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47J.A.005	08/2021	D0099744	47J.E.054	08/2021	D2001956
47J.A.006	08/2021	D0099745	47J.E.056	15/12/2021	D2001960
47J.A.007	08/2021	D0099746	47J.E.058	15/12/2021	D2001961
47J.A.008	08/2021		47J.E.060	15/12/2021	D2001962
47J.B.001	08/2021	PD.089.J47A.00-DU	47J.E.062	22/12/2021	D3000039
47J.B.009	08/2021	PD.089.J47A.00-FR	47J.E.064	22/12/2021	D3000041
47J.B.017	08/2021	PD.089.J47A.00-EN	47J.E.066	08/2021	D3000042
47J.B.025	08/2021	PD.089.J47A.00-GE	47J.E.068	15/12/2021	D3000043
47J.B.033	08/2021	TI.089.J47E.00-DU	47J.E.070	15/12/2021	D3000044
47J.B.039	08/2021	TI.089.J47E.00-FR	47J.E.072	15/12/2021	D3000045
47J.B.045	08/2021	TI.089.J47E.00-EN	47J.E.074	13/01/2022	D3008595
47J.B.051	08/2021	TI.089.J47E.00-GE	47J.E.076	08/2021	D3008553
47J.C.001	08/2021	D0102673	47J.E.078	08/2021	D3008603
47J.C.002	02/12/2021	D0102680	47J.E.080	19/04/2022	D3008605
47J.C.003	28/06/2022	D0102682	47J.E.082	13/01/2022	D3008600
47J.C.004	08/2021	D3002897	47J.E.084	08/2021	D3008601
47J.C.005	08/2021	D3008788	47J.E.086	08/2021	D3008629
47J.C.006	08/2021	D0102047	47J.E.088	19/04/2022	D3008630
47J.C.007	08/2021	D0102166	47J.E.090	15/12/2021	D3008608
47J.C.008	08/2021	D0102167	47J.E.092	15/12/2021	D3008612
47J.C.009	08/09/2021	D3002702	47J.E.094	15/12/2021	D3002622
47J.C.010	08/2021	D0102168	47J.E.096	17/02/2022	D3002626
47J.C.011	08/2021	D0102169	47J.E.098	15/12/2021	D3002634
47J.C.012	08/2021	D0102170	47J.E.100	08/2021	D3002636
47J.C.013	08/2021	D0102512	47J.E.102	17/02/2022	D3000058
47J.C.014	02/12/2021	D0102171	47J.E.104	13/01/2022	D3000085
47J.C.015	08/2021	D0102514	47J.E.106	14/01/2022	D3000084
47J.C.016	28/06/2022	D3008772	47J.E.108	15/12/2021	D3000081
47J.C.017	28/06/2022	D3008773	47J.E.110	15/12/2021	D3000086
47J.C.018	28/06/2022	D0102173	47J.E.112	22/12/2021	D2001944
47J.C.019	28/06/2022	D3000818	47J.E.114	08/2021	D2001945
47J.C.020	08/2021	D0102175	47J.E.116	15/12/2021	D2001948
47J.C.021	08/2021	D3000449	47J.E.118	15/12/2021	D2001949
47J.C.022	08/2021	D0102176	47J.E.120	22/12/2021	D2001952
47J.C.023	08/2021	D0102297	47J.E.122	08/2021	D2001953
47J.C.024	08/2021	D3008771	47J.E.124	22/12/2021	D3000048
47J.C.025	08/2021	D0102177	47J.E.126	08/2021	D3000049
47J.C.026	08/2021	D0102178	47J.E.128	15/12/2021	D3000050
47J.C.027	08/2021	D3002590	47J.E.130	15/12/2021	D3000051
47J.C.028	08/2021	D0102181	47J.E.132	17/02/2022	D3002532
47J.C.029	08/2021	D0102674	47J.E.134	08/2021	D3002535
47J.C.030	19/04/2022	D3007591	47J.E.136	13/01/2022	D3002539
47J.E.001	08/2021		47J.E.138	16/12/2021	D3002547
47J.E.002	08/2021	D3000778	47J.E.140	15/12/2021	D3002646
47J.E.004	08/2021	D3000784	47J.E.142	15/12/2021	D3002647
47J.E.005_01.001	12/10/2022	D3010319	47J.E.144	22/12/2021	D2001957
47J.E.006	08/09/2021	D2002014	47J.E.146	08/2021	D2001958
47J.E.008	30/09/2021	D3000619	47J.E.148	08/2021	D2001959
47J.E.010	30/09/2021	D3008499	47J.E.150	15/12/2021	D2001963
47J.E.012	30/09/2021	D3002514	47J.E.152	15/12/2021	D2001964
47J.E.014	30/09/2021	D3008500	47J.E.154	15/12/2021	D2001965
47J.E.016	22/12/2021	D0102188	47J.E.156	22/12/2021	D3000052
47J.E.018	08/2021	D0102189	47J.E.158	22/12/2021	D3000053
47J.E.020	15/12/2021	D2001946	47J.E.160	08/2021	D3000054
47J.E.022	15/12/2021	D2001947	47J.E.162	15/12/2021	D3000055
47J.E.024	22/12/2021	D2001950	47J.E.164	15/12/2021	D3000056
47J.E.026	08/2021	D2001951	47J.E.166	15/12/2021	D3000057
47J.E.028	22/12/2021	D3000034	47J.E.168	13/01/2022	D3008631
47J.E.030	08/2021	D3000035	47J.E.170	17/02/2022	D3008638
47J.E.032	15/12/2021	D3000036	47J.E.172	08/2021	D3008643
47J.E.034	15/12/2021	D3000038	47J.E.174	19/04/2022	D3008646
47J.E.036	08/2021	D3000080	47J.E.176	13/01/2022	D3008651
47J.E.038	08/2021	D3000087	47J.E.178	15/12/2021	D3002648
47J.E.040	13/01/2022	D3000082	47J.E.180	08/2021	D3002649
47J.E.042	13/01/2022	D3000858	47J.E.182	15/12/2021	D3002650
47J.E.044	15/12/2021	D3000374	47J.E.184	08/2021	D3002654

47J.E.186	17/02/2022	D3002555	47J.F.112	07/01/2022	D3000849
47J.E.188	13/01/2022	D3002559	47J.F.114	07/01/2022	D3000446
47J.E.190	15/12/2021	D3002563	47J.F.116	15/12/2021	D3002573
47J.E.192	15/12/2021	D3002572	47J.F.118	17/02/2022	D3008485
47J.E.194	08/09/2021	D3002424	47J.F.120	02/03/2022	D0102341
47J.E.196	08/09/2021	D3008501	47J.F.122	11/10/2022	D3000439
47J.E.198	08/09/2021	D3008440	47J.F.124	08/12/2021	D0102439
47J.E.200	13/10/2021	D3008441	47J.F.126	08/2021	D0102460
47J.E.202	08/2021		47J.F.128	08/12/2021	D0102467
47J.F.001	08/2021		47J.F.130	08/2021	D0102485
47J.F.002	08/2021	D0102737	47J.F.132	19/04/2022	D0102486
47J.F.004	08/2021	D0102738	47J.F.134	15/11/2021	D3000585
47J.F.006	08/12/2021	D0102740	47J.F.136	28/06/2022	D3008475
47J.F.008	08/12/2021	D0102748	47J.F.138	02/03/2022	D3000806
47J.F.010	08/12/2021	D0102749	47J.F.140	02/03/2022	D3004995
47J.F.012	08/12/2021	D0102750	47J.F.142	02/03/2022	D3004994
47J.F.014	08/12/2021	D3000679	47J.F.144	02/03/2022	D3000596
47J.F.015_01.001	12/10/2022	D3010530	47J.F.146	25/10/2021	D3008466
47J.F.015_01.003	12/10/2022	D3010532	47J.F.147_01.001	12/10/2022	D3010324
47J.F.015_01.005	12/10/2022	D3010533	47J.F.148	25/10/2021	D3008487
47J.F.015_01.007	12/10/2022	D3010534	47J.F.150	02/03/2022	D3000532
47J.F.016	08/2021	D3000593	47J.F.152	08/2021	D0102488
47J.F.018	30/09/2021	D0102399	47J.F.154	08/2021	D3003288
47J.F.020	30/09/2021	D0102407	47J.F.156	08/2021	D3005166
47J.F.022	30/09/2021	D3000152	47J.F.158	08/2021	D3000810
47J.F.024	30/09/2021	D3000397	47J.F.160	08/2021	D3003297
47J.F.026	30/09/2021	D3000398	47J.F.162	08/2021	D3005167
47J.F.028	30/09/2021	D3002713	47J.F.164	25/10/2021	D3008478
47J.F.030	17/02/2022	D0102411	47J.F.166	08/09/2021	D3005183
47J.F.032	30/09/2021	D0102416	47J.F.168	19/04/2022	D3002861
47J.F.034	30/09/2021	D0102419	47J.F.170	08/2021	D3000977
47J.F.036	08/2021	D3000384	47J.F.172	08/12/2021	D0102391
47J.F.038	30/09/2021	D3000387	47J.F.174	08/2021	D3001035
47J.F.040	30/09/2021	D3000390	47J.F.175_01.001	12/10/2022	D3010894
47J.F.042	08/2021	D3008659	47J.F.176	08/09/2021	D0102392
47J.F.044	08/2021	D3008660	47J.F.178	01/04/2022	D0102698
47J.F.046	30/09/2021	D3008661	47J.F.180	08/2021	D0102479
47J.F.048	08/2021	D3008662	47J.F.182	08/2021	D0102480
47J.F.050	08/2021	D3008664	47J.F.184	08/2021	D3000494
47J.F.052	30/09/2021	D3008665	47J.F.186	08/2021	D3000495
47J.F.054	08/2021	D3002715	47J.F.188	08/2021	D0102481
47J.F.056	08/2021	D3002717	47J.F.190	08/2021	D3000499
47J.F.058	30/09/2021	D3002718	47J.F.192	08/2021	D3000504
47J.F.060	08/2021	D3000391	47J.F.194	08/2021	D3002804
47J.F.062	08/2021	D3000817	47J.F.196	08/2021	D3002805
47J.F.064	08/09/2021	D3002705	47J.F.198	08/2021	D0102477
47J.F.066	08/09/2021	D3002706	47J.F.199_01.001	12/10/2022	D3009517
47J.F.068	08/09/2021	D3002708	47J.F.200	08/12/2021	D0102431
47J.F.070	08/09/2021	D3008532	47J.F.202	08/2021	D3000461
47J.F.072	08/09/2021	D3008531	47J.F.204	08/2021	D3000763
47J.F.074	08/09/2021	D3008534	47J.F.206	02/03/2022	D3003595
47J.F.076	08/09/2021	D3008538	47J.F.208	27/10/2021	D3008804
47J.F.078	08/09/2021	D0102428	47J.F.210	19/04/2022	D3002630
47J.F.080	19/04/2022	D3002895	47J.F.212	08/2021	D3002631
47J.F.082	08/09/2021	D3000602	47J.F.214	08/2021	D3002603
47J.F.084	13/10/2021	D3008472	47J.F.216	08/2021	D3002604
47J.F.086	16/12/2021	D0102346	47J.F.217_01.001	12/10/2022	D3009520
47J.F.088	16/12/2021	D0102359	47J.F.217_01.003	12/10/2022	D3009521
47J.F.090	16/12/2021	D3000412	47J.F.217_01.005	12/10/2022	D3009522
47J.F.092	08/09/2021	D3002723	47J.F.217_01.007	12/10/2022	D3009523
47J.F.094	08/09/2021	D3008539	47J.F.218	08/2021	D3000479
47J.F.095_01.001	12/10/2022	D3009834	47J.F.220	08/2021	D3003083
47J.F.096	16/12/2021	D3000829	47J.F.222	08/2021	D3002627
47J.F.098	07/01/2022	D0102333	47J.F.224	27/08/2021	D3005163
47J.F.100	07/01/2022	D0102336	47J.F.226	27/08/2021	D3006826
47J.F.102	07/01/2022	D3000442	47J.F.228	19/04/2022	D3005159
47J.F.104	07/01/2022	D3000594	47J.F.230	19/04/2022	D3006829
47J.F.106	07/01/2022	D3003195	47J.F.232	19/04/2022	D3005161
47J.F.108	07/01/2022	D3008528	47J.F.234	19/04/2022	D3006828
47J.F.110	08/12/2021	D0102337	47J.F.236	17/02/2022	D3005162

47J.F.238	19/04/2022	D0102435	47J.G.056	08/2021	D0102118
47J.F.240	19/04/2022	D3007201	47J.G.057	08/2021	D0102721
47J.F.242	19/04/2022	D3007214	47J.G.058	05/01/2022	D3001128
47J.F.244	19/04/2022	D3007225	47J.001	08/2021	
47J.F.246	19/04/2022	D3002324	47J.004	08/2021	
47J.F.248	19/04/2022	D3002326	47J.007	08/2021	
47J.F.250	19/04/2022	D3002327	47J.010	08/2021	
47J.F.252	19/04/2022	D3002328			
47J.F.254	19/04/2022	D3002329			
47J.F.256	08/12/2021	D0102751			
47J.F.258	08/2021				
47J.G.001	08/2021	D0102075			
47J.G.002	08/2021	D0102098			
47J.G.003	02/12/2021	D0102080			
47J.G.004	08/2021	D0102692			
47J.G.005	08/2021	D3004993			
47J.G.006	08/2021	D3005155			
47J.G.007	08/2021	D3004201			
47J.G.008	08/2021	D3008774			
47J.G.009	08/2021	D3008777			
47J.G.010	17/03/2022	D3008775			
47J.G.010_01.001	12/10/2022	D3010327			
47J.G.010_01.002	12/10/2022	D3010328			
47J.G.010_01.003	12/10/2022	D3010326			
47J.G.010_01.004					
47J.G.011	08/2021	D0102558			
47J.G.012	08/2021	D0102082			
47J.G.013	13/10/2021	D3005156			
47J.G.014	08/2021	D3008776			
47J.G.015	08/12/2021	D0102099			
47J.G.016	28/06/2022	D3004200			
47J.G.017	08/2021	D0102104			
47J.G.018	08/2021	D3002898			
47J.G.019	18/03/2022	D0102102			
47J.G.020	08/2021	D0102105			
47J.G.021	08/2021	D0102106			
47J.G.022	08/2021	D3002899			
47J.G.023	08/2021	D0102107			
47J.G.024	08/12/2021	D0102520			
47J.G.025	08/2021	D0102112			
47J.G.026	08/2021	D0102113			
47J.G.027	08/2021	D0102115			
47J.G.028	08/2021	D0102697			
47J.G.029	11/10/2022	D3005157			
47J.G.030	08/2021	D0102116			
47J.G.031	27/10/2021	D0102117			
47J.G.032	08/2021	D3000865			
47J.G.033	08/2021	D3000866			
47J.G.034	08/2021	D3000825			
47J.G.035	08/2021	D3007557			
47J.G.036	08/2021	D3007558			
47J.G.037	17/03/2022	D0102324			
47J.G.038	08/2021	D0102326			
47J.G.039	08/2021	D0102327			
47J.G.040	08/2021	D0102328			
47J.G.041	08/2021	D0102574			
47J.G.042	08/2021	D0102575			
47J.G.043	08/2021	D0102576			
47J.G.044	08/2021	D0102577			
47J.G.045	08/2021	D0102578			
47J.G.046	08/2021	D0102579			
47J.G.047	08/2021	D0102580			
47J.G.048	08/2021	D0102581			
47J.G.049	08/2021	D0102582			
47J.G.050	08/2021	D0102583			
47J.G.051	08/2021	D0102584			
47J.G.052	08/2021	D0102585			
47J.G.053	08/2021	D0102586			
47J.G.054	08/2021	D0102587			
47J.G.055	08/2021	D0102588			

A

Reynaers Aluminium

Algemene informatie
Généralités
General Information
Allgemeine Information

A

Profiel
Profilé
Profile
Profil

Perfil
Profil
Profili

A dm²/m — Anodisatie- of lakoppervlakte
Surface anodisée ou laquée
Anodizing or coating surface
Eloxierte oder lackierte Oberfläche

Superficie anodizada o lacada
Powierzchnia anodowana lub malowana
Superficie anodizzata o verniciata

P dm²/m — Polijstoppervlakte
Surface à polir
Polishing surface
Polieroberfläche

Superficie pulida
Powierzchnia polerowana
Superficie lucidata

Lm — Lengte
Longueur
Length
Länge

Longitud
Dlugosc
Lunghezza

Afmetingen
Dimensions
Dimensions
Abmessungen

Dimensiones
Wymiary
Dimensioni

Toepassing
Application
Application
Anwendung

Applicación
Zastosowanie
Utilizzo

Bevestigingsmiddelen
Moyens de fixation
Fixations
Befestigungsmittel

Fijación
Mocowanie
Fissaggio

Schroeven niet meegeleverd
Fourniture sans vis
Delivered without screws
Lieferung ohne Schrauben

Entregado sin tornillos
Dostarczane bez wkretow
Consegnato senza viti

1 2 3 · — Montagevolgorde
Ordre de montage
The order of assembly
Montagereihenfolge

Orden de montaje
Kolejnosc montazu
Ordine di montaggio

X — Dichtingsmiddel
Matière d'étanchéité
Sealing agent
Abdichtungsmittel

Agente sellante
Masa uszczelniajaca
Siliconatura

GLUE — Verlijmen
Coller
Glue
Verkleben

Collado
Klej
Colla

Vulcaniseerlijm
Colle vulcanisante
Vulcanizing glue
Vulkanisierkleber

Vulcanizante
Klej wulkanizacyjny
Colla vulcanizzante

Referentiemaat
Dimension de référence
Reference dimension
Referenzmass

Dimension de referencia
Punkt odniesienia wymiarowania
Dimensioni di riferimento

M — Merkteken
Marquage
Mark
Merkzeichen

Indicación
Znak
Contrassegno

SSG — Structureel gelijmd glaswerk
Vitrage extérieur collé
Structural sealing glazing
UV-beständiger Scheibenrandverbund

Sellado acristalado estructural
Szyba klejona spoiwem konstrukcyjnym
Siliconatura vetro strutturale

Primaire zichtzijde van een profiel
Côté visible primaire d'un profilé
Primary visible side of a profile
Primäre sichtbare Seite eines Profils

Cara vista principal del perfil
Glowna widoczna powierzchnia profilu
Primo lato visibile di un profilo

Secundaire zichtzijde van een profiel
Côté visible secondaire d'un profilé
Secondary visible side of a profile
Sekund. sichtbare Seite eines Profils

Cara vista secundaria del perfil
Drugorzedna widoczna powierzchnia profilu
Secondo lato visibile di un profilo

! Bicolor — Kleur buitenschaal (e) eerst aangeven in geval van bicolor (.69)
En cas de bicolore (.69) il faut indiquer d'abord la couleur du profilé extérieur (e)
For bicolor profiles (.69) first of all one should indicate the colour of the outer profile (e)
Falls zweifarbig (.69) soll man erst die Farbe des Aussenprofils (e) En cas de bicolore (.69) il faut indiquer d'abord la couleur du angeben

Verstek
Onglet
Mitre
Gehrung

Inglete
Połaczenie katowe
Taglio

— Aantal
Nombre
Number
Anzahl

Número
Ilosc
Numero

Zie pagina
Voir page
See page
Siehe Seite

Ver página
Patrz strona
Vedi pagina

Type toebehoren
Type accessoires
Type accessories
Typ Zubehör

Tipos de accesorios
Rodzaj okuc
Tipo di accessorio

Glasmaten
Dimensions vitres
Glass sizes
Glasmasse

Dimensiones de los vidrios
Wymiary szyby
Dimensioni del vetro

Toepassing
Application
Utilization
Anwendung

Applicación
Zastosowanie
Riferimenti

Asymmetrisch profiel
Profilé asymétrique
Asymmetrical profile
Asymmetrisches Profil

Perfil asimetrico
Profil niesymetryczny
Profilo assimmetrico

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Dernière édition
Last edition
Letzte Edition

Edición
Poprzednie wydanie
Ultima edizione

Vorige blz
Page précédente
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Vorige Seite

Página siguiente
Poprzednia strona
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Verstevigingsprofiel
Profil de renforcement
Reinforcement profile
Verstaerkungsprofil

Perfil refuerzo
Profil wzmacniajacy
Profilo di rinforzo

L — Links van buiten gezien
Gauche vue exterieur
Left seen from outside
Links Aussenansicht

Vista izquierda desde el exterior
Na lewo widok od zewnątrz
Sinistro visto da fuori

R — Rechts van buiten gezien
Droite vue exterieur
Right seen from outside
Rechts Aussenansicht

Vista derecha desde el exterior
Na prawa widok od zewnątrz
Destro visto da fuori

R — Reynaprotector
Reynaprotector
Reynaprotector
Reynaprotector

Reynaprotector
Reynaprotector
Reynaprotector
Reynaprotector

XC — Sliconen met lage modulus, compatibel met structurele verlijming
Silicon a bas module, compatible avec le collage structurel
Low modulus silicone, compatible with structural bonding
Silikon mit niedrigem Modul, das mit strukturellen Verklebungen kompatibel ist

Silicona de bajo módulo, compatible con pegado estructural
Silikon o niskim module sprezystosci, kompatybilny z silikonem strukturalnym
Silicone a basso modulo elastico, compatibile con incollaggio strutturale

A

Inbraakwerend
Anti-vol
Burglar proof
Einbruchhemmend

Protección anti-robo
Antywlamaniowe
Antiscasso

Basisveiligheid
Securité de base
Basic safety
Basissicherheit

Seguridad básica
Antywlamaniowosc podstawowa
Antiscasso base

Testen uitgevoerd volgens norm DIN V ENV 1627
Essais effectués par conformément la norme DIN V ENV 1627
Tests carried out according to standard DIN V ENV 1627
Einbruchhemmende Prüfungen gemäß Norm DIN V ENV 1627

Ensayos realizados según norma DIN V ENV 1627
Badania wykonane wedlug normy DIN V ENV 1627
Antiscasso secondo DIN V ENV 1627

Testen uitgevoerd volgens norm NEN 5096 + ENV 1627
Essais effectués par conformément la norme NEN 5096 + ENV 1627
Tests carried out according to standard NEN 5096 + ENV 1627
Einbruchhemmende Prüfungen gemäß Norm NEN5096 + ENV1627

Ensayos realizados según norma NEN 5096 + ENV 1627
Badania wykonane norm NEN 5098 + ENV 1627
Antiscasso secondo NEN 5098 + ENV 1627

Testen uitgevoerd door instituut IBS (Oostenrijk) volgens norm Ö B 3800/3850
Essais effectués par IBS(Autriche) conformément la norme Ö B 3800/3850
Tests carried out by IBS (Austria) according to standard Ö B 3800/3850
Brandschutzprüfungen durchgeführt beim IBS (Österreich) gemäß Norm Ö B 3800/3850

Ensayos hechos por IBS (Austria) según la estandard Ö B 3800/3850
Badania wykonane przez IBS (Austria) wedlug norm Ö B 3800/3850
Testato presso IBS (Austria) IBS secondo Ö B 3800/3850

Testen uitgevoerd door instituut TNO (Nederland) volgens norm NEN 6069:1997
Essais effectués par TNO (Hollande) conformément la norme NEN 6069:1997
Tests carried out by TNO (The Netherlands) according to standard NEN 6069/1997
Brandschutzprüfungen durchgeführt beim IBS (Österreich) gemäß Norm Ö B 3800/3850

Ensayos realizados fuera por TNO(Holanda) según norma NEN 6069/1977
Badania wykonane przez TNO (Holandia) wedlug norm NEN 6069/1977
Testato presso TNO (Paesi Bassi) secondo NEN 6069/1977

Brandwerend
Anti-feu
Fire-proof
Feuerhemmend

Resistente al fuego
Ognioodporne
Anti fuoco

Testen uitgevoerd volgens norm EN 1634-1(deuren) en EN 1364-1 (beglaasde wanden)
Essais effectués par conformément la norme EN 1634-1(portes) et EN 1364-1(parois vitrés)
Tests carried out according to standard EN 1634-1(doors) EN 1364-1(glazed partitioning)
Prüfungen gemäß Norm EN 1634-1(Türen) und EN 1364-1(verglaste Wände)

Ensayos realizados según norma 1634-1/ EN 1364-1
-
Badania wykonane wedlug normy 1634-1 / EN 1364-1
-
Antifuoco secondo EN 1634-1 / EN 1364-1
-

Toebehoren brandwerend
Accessoires anti-feu
Fire-proof accessories
Feuerhemmender Zubehör

Accessorios resistente al fuego
Akcesoria ognioodporne
Accessori Anti fuoco

Brandcurve voor buitentoepassingen
Courbe de feu complète
External fire curve
Externe Brandkurve

Volledige brandcurve voor binnentoepassingen
Courbe de feu interne (complète)
(Full) Internal fire curve
(Volle) Interne Brandkurve

Gelaagd glas
Verre feuilleté
Laminated glass
Verbundglas

Vidrio Laminado
Szyba laminiowana
Vetro laminato

Glas
Verre
Glass
Glas

Vidrio
Szyba
Vetro

Handleiding
Manuel
Manual
Gebrauchsanweisung

Manual
Instrukcja
Manuale

Pershoekverbinding
Equerre à sertir
Crimp corner cleat
Presseckverbinder

Escuadra de ensamblar
Naroznik zaciskany
Squadrette a cianfrinare

Hoekverbinding met schroefhoek (*) enkel voor klembaar beslag
Equerre à blocage (*) seulement pour accessoires encastrables
Corner cleat with screw (*) only for clamping accessories
Eckverbinder mit Spannschraube (*) nur für klemmbaren Beschlag

Escuadra de atornillar (*) solo para accesorios apretables
Naroznik skrecany (*) tylko dla akcesoriow zatrzaskiwanych
Squadrette ad avvitare (*) solo per accessori a scatto

T-verbinding met schroef
Jonction-T avec vis
T-bracket with screw
T-Verbinder mit Schraube

Tope de union con tornillo
Lacznik teowy skrecany
Giunti con viti

T-verbinding met schroef voor buitendraaiend raam
Jonction-T avec vis pour fenêtre ouvrant vers l'ext.
T-bracket with screw outside opening window
T-Verbinder mit Schraube aussen öffnendes Fenster

Tope Unión con tornillo apertura exterior

Lacznik teowy skrecany do okien otwieranych na zewnatrz
Cavallotti conuiti ap est.

Vulhoek
Equerre de remplissage
Corner support
Fülleckwinkel

Escuadra de relleno
Wspornik narozny
Squadretta di rempirento

Steunhoek
Cale de feuillure
Rebate support
Glasanschlagwinkel

Escuadra de alineamiento
Katowy naroznik
Squadrette di allineamento

Verstelbare schroefhoek
Equerre à visser réglable
Adjustable screw corner cleat
Verstellbarer Schraubeckwinkel

Escuadra de atornillar regulable
Katowy naroznik skrecany
Squadrette ad avvitare regolabili

Steunhoeken verstelbaar
Cales de feuillure réglables
Rebate supports adjustable
Verstellbare Eckwinkel Glasanschlag

Escuadra de alineamiento regulable
Katowy naroznik nastawny
Squadretta di allineamento regolabile

Hoekverbinding met nagel
Equerre avec cheville
Corner cleat with drive pin
Eckverbinder mit Stift

Escuadra con clavia
Lacznik narozny swozniowy
Squadretta a spinare

T-verbinding met nagel
Jonction-T avec cheville
T-bracket with drive pin
T-Verbinder mit Stift

Tope de union con clavia
Lacznik teowy swozniowy
Cavallotto a spinare

T-verbinding met nagel voor buitendraaiend raam
Jonction-T avec cheville pour fenêtre ouvrant vers l'ext.
T-bracket with drive pin outward opening window
T-Verbinder mit Stift nach aussen öffnendes Fenster

Tope unión con clavia apertura exterior

Lacznik teowy swozniowy do okien otwieranych na zewnatrz
Cavallotto a spinare ap. est.

Verstelbare T-verbinding
Jonction-T réglable
Adjustable T-bracket
Verstellbarer T-Verbinder

Union T regulable
Lacznik teowy nastawny
Giunti a T regolabili

Kruisverbindingen
Jonctions transversales
Cross connections
Kreuzverbindungen

Uniones transversales
Polaczenie krzyzowe
Collegamento a croce

Kruisverbinding met schroef
Jonction transversale avec vis
Cross connection with screw
Kreuzverbindung mit Schraube

Union transversal con tornillo
Polaczenie krzyzowe skrecane
Collegamento a croce con viti

Bevestiging drager
Fixation chevon
Fixation rafter
Beferstigung Dachsparren

Fijacion mainel
Mocowanie krokwi
Fissaggio montante

Alleen voor CS 77
Seulement pour CS 77
Only for CS 77
Nur für CS 77

Solo para CS 77
Tylko do CS 77
Solo per CS 77

	Alleen voor CS 59 Seulement pour CS 59 Only for CS 59 Nur für CS 59	Solo para CS 59 Tylko do CS 59 Solo per CS 59
	Alleen voor CS 68 Seulement pour CS 68 Only for CS 68 Nur für CS 68	Solo para CS 68 Tylko do CS 68 Solo per CS 8
	Eénpuntsluiting Fermeture à 1 point 1-Point lock Einfachverriegelung	Cerradura de 1 punto Zamek 1-punktowy Serratura a 1 punto di chiusura
	Eénpuntsluiting met dagschieter Fermeture à 1 point à pêne 1-Point lock with latch Einfachverriegelung mit Falle	Cerradura 1 punto golpe Zamek 1-punktowy Serratura a 1 punto di chiusura con scrocco
	Eénpuntsluiting met rol Fermeture à 1 points à rouleau 1-Point lock with roller Einfachverriegelung mit Rolle	Cerradura de 1 punto con rodillo Zamek 1-punktowy z barylka Serratura a 1 punto di chiusura con rullino
	Haakslot Serrure à crochet Hook lock Hakenschloss	Cerradura gancho Zamek hakowy Serratura a gancio
	Tweepuntsluiting Fermeture à 2 points 2-Point lock Zweifachverriegelung	Cerradura de 2 puntos Zamek 2-punktowy Serratura a 2 punti di chiusura
	Driepuntsluiting Fermeture à 3 points 3-Point lock Dreifachverriegelung	Cerradura de 3 puntos Zamek 3-punktowy Serratura a 3 punti di chiusura
	Driepuntsluiting met rol Fermeture à 3 points à rouleau 3-Point lock with roller Dreifachverriegelung mit Rolle	Cerradura de 3 puntos con rodillo Zamek 3-punktowy z barylka Serratura a 3 punti di chiusura con rullino
	Vierpuntsluiting Fermeture à 4 points 4-Point lock Vierfachverriegelung	Cerradura de 4 puntos Zamek 4-punktowy Serratura a 4 punti di chiusura
	Vijfpuntsluiting Fermeture à 5 points 5-Point lock Fünffachverriegelung	Cerradura de 5 puntos Zamek 5-punktowy Serratura a 5 punti di chiusura
	Vijfpuntsluiting met rol Fermeture à 5 points à rouleau 5-Point lock with roller Fünffachverriegelung mit Rolle	Cerradura de 5 puntos con rodillo Zamek 5-punktowy z barylka Serratura a 5 punti di chiusura con rullino
	Zespuntsluiting Fermeture à 6 points 6-Point lock Sechsfachverriegelung	Cerradura de 6 puntos Zamek 6-punktowy Serratura a 6 punti di chiusura
	Zevenpuntsluiting Fermeture à 7 points 7-Point lock Siebenfachverriegelung	Cerradura de 7 puntos Zamek 7-punktowy Serratura a 7 punti di chiusura
	Espagnoletslot Fermeture espagnolette Espagnolette Lock Treibriegelverschluss	Cierre ventana Zamek drzwiowy do blokady pionowej Serratura a spagnoletta
	Cilinders Cylindres Cylinders Zylinder	Bombines Cylindry Cilindri
	Cilinderplaten Ecussons Cylinder covers PZ-Rosette	Escudos bombin Oslona wkladki bebenkowej Copertura cilindri
	Slotpaden Gâches Receivers Schliessbleche	Gancho Gniazdo rygla zamka Riscontri
	Deursluiters Ferme-porte Door closer Türschliesser	Cierrapuertas Samozamykacz drzwiowy Chijdiporta

	Elektrische deuropener Gâche pour serrure électrique Electric door opener Elektrischer Türöffner	Portero automatico Elektrorygiel Apertura porta elettrica
	Deurgrendels en kantschuiven Verrous de condamnation portes Flush and door bolts Kantriegel und Türriegel	Pasadores puerta Rygle biernych skrzydel drzwiowych Catenacciolo chiusura centrale
	Geen elektrische spanning bij gesloten deur En cas de porte fermé pas des tension électrique No electric tension in case of closed door Keine elektrische Spannung bei geschlossen Tür	**Sin tensión eléctrica en caso de que la puerta esté cerrada** Brak elektrycznego napiecia w przypadku zamknietych drzwi Stacco tensione a porta chiusa
	Raampompen Crémones Window handles Handhebel	Cremona Klamka okienna Cremonese
	Deurkrukken Béquilles Door handles Türdrücker	Manubrios Klamka drzwiowa Maniglie
	Sluitingen dubbele deur Serrures pour porte double Locks for double door Türtreibriegel	Cerradura puerta doble Blokada drzwi dwuskrzydlowych Serratura porta a 2 ante
	Raampomp naar buiten draaiend raam Crémone fenêtre ouvrant vers l'extérieur Handle outward opening window Handhebel nach aussen öffnendes Fenster	Cremona ventana apertura exterior Klamka okna otwieranego na zewnatrz Cremonese apertura est.
	Raamscharnieren Paumelles pour fenêtres Window hinges Fensterbänder	Bisagras ventana Zawias okienny Cerniere
	Deurscharnieren 2-delig Paumelles porte 2-partite Door hinges 2-part Türbänder 2-teilig	Pernio puerta 2 palas Zawias drzwiowy 2-czesciowy Cerniera 2 ali
	Deurscharnieren 3-delig Paumelles porte 3-partite Door hinges 3-part Türbänder 3-teilig	Pernio puerta 3 palas Zawias drzwiowy 3-czesciowy Cerniera 3 ali
	Afstandsbussen Pièces de distance Set of distance bushes Distanzbuchsen	Piezas distanciadoras Tuleje dystansowe Set distanzialli
	Geen afstandsbussen nodig Pas de pièces de distance No distance bushes needed Keine Distanzbuchse	No necesario piezas distanciadoras Brak koniecznosci stosowania tuleji dystansowych Senza distanziali
	Inbraakwerende kogel Bille anti-vol Anti-burglar ball Einbruchhemmende Kugel	Bola proteccion antirobbo Kulka antywlamaniowa Antiscasso
	Dieveklauw Pene anti-degondage Anti-lift pin Sicherheitsbolzen	Perno antielevador Bolec antywywazeniowy Antisollevarento
	Kozijndorpelveer Pivot de frein aerien Overhead closer Obentürschliesser	Muelle aereo Samozamykacz gorny Chiudi porta sup.
	Vloerveer Pivot de frein au sol Floor closer Bodentürschliesser	Muelle pavimento puerta Samozamykacz podlogowy Chiudi porta inf.

A

A

	Eindstuk deurvleugel Pièce finale ouvr. porte End piece door vent Endkappe Türflügel	Tapeta hoja puerta Koncowka do skrzydla drzwiowego Terminale anta
	Eindstukken bodemprofiel Pièces finales profilé de seuil End pieces floor profile Endkappe Schwelle	Piezas terminales perfil suelo Koncowki profilu podlogowego Terminale soglia
	Eindstukken Z-T deur Bouchon profilé porte Z-T End pieces Z-T door Endkappe Z-T Tür	Tapetas puerta Z-T Element koncowy Z-T drzwi Terminale profili porte Z e T
	Afdichtingen dorpels Profilés latéral pour bavettes Sill end pieces Endstück für Wetterschenkel	Tapetas condensacion Koncowki do profili podokiennych Tappi soglia
	Glassteunen Supports cale de vitrage Glazing supports Klotzbrücken	Soportes vidrio Podporka pod przeszklenie Supporti per vetro
	Afdekkap voor waterafvoersleuven Capuchon écoulement d'eau Weep hole cover Abdeckkappe Entwässerung	Deflector aire Maskownica otworu drenazowego Paratempesta
	Eindstukken stolpprofielen Bouchons double ouvrant End parts double casement profile Endkappe Stulpprofil	Tapetas perfil doble hoja Koncowka profilu ruchomego slupka Tappo inversione
	Koppelstuk Piece de raccordement Connection piece Kopplungsstueck	Pieza de union Element Laczacy Accessori collegamento
	Eindstukken voor stolpprofielen Bouchons pièce finale pour profilé double ouvrant End parts for double casement profiles Endkappen für Stulpprofile	Tapeta perfil doble hoja Koncowka profilu ruchomego slupka Tappi 2 ante
	Afdichting goot Fermeture gouttière End piece gutter Endkappe Rinne	Tapetas canal Koncowka rynny Terminale gronda
	Eindstuk Piece finale End piece Endkappe	Terminal Koncowka Terminale
	Stootplaat Arrêt vitrage toiture Glass panel stop Endstück Verglasung	Tope del panel de vidrio Ogranicznik wypelnienia Ferro x vetro
	Veranda type 1 Veranda type 1 Veranda type 1 Veranda Typ 1	Veranda tipo 1 Weranda typu 1 Veranda tipo 1
	Paniekdeur Porte de panique Panic door Paniktür	Puenta antipánico Drzwi antypaniczne Porta antipanico
	Diversen Divers Miscellaneous Diverse	Diversos Elementy uzupelniajace Varie
	Klemstuk Clip Clip Federklemme	Clip Uchwyt Clip
	Nokbevestiging Fixation de la faîtière Fixation of the ridge Firstanschluss	Fijacion del resalte Element mocujacy kalenicowy Fissaggio colmo

	Binnenbeglazingsdichting Joint à bourrer Inner glazing gasket Innenverglasungsdichtung	Junta de acristalado interior Uszczelka przyszybowa wewnetrzna Guarnizione del vetro interna
	Buitenbeglazingsdichting Joint de vitrage extérieur Outer glazing gasket Aussenverglasungsdichtung	Junta de acristalado exterior Uszczelka przyszybowa zewnetrzna Guarnizione del vetro esterna
	Buitenbeglazingsdichting Joint de vitrage extérieur Outer glazing gasket Aussenverglasungsdichtung	Junta de acristalado exterior Uszczelka przyszybowa zewnetrzna Guarnizione del vetro esterna
	Akoestische dichting Joint acoustique Acoustical seal gasket Flügelaufschlagdichtung	Junta acustica Uszczelka akustyczna Guarnizione di isolamento acustico
	Middendichtingen Joints centraux Central gaskets Mitteldichtungen	Junta central Uszczelka centralna Guarnizione centrale
	Aanslagdichting Joint de butée Butt strip Anschlagdichtung	Junta tope Uszczelka Guarnizione di battuta
	Dilatatiedichtingen Joints de dilatation Expansion gaskets Dehnungsdichtungen	Junta de dilatacion Uszczelka dylatacyjna Guarnizione di espansione
	Dichting Joint Gasket Dichtung	Junta Uszczelka Guarnizione
	Dichting Joint Gasket Dichtung	Junta Uszczelka Guarnizione
	Afdichtingsstuk Pièce d'étanchéité Sealing piece Dichtstück	Pieza de sellado Element uszczelniajacy Accessorio per sigillatura
	Opzwellende Dichting Joint Gonflant Swelling Gasket Schwellende Dichtung	Junta veranda Uszczelka do werandy Guarnizione espansione
	Dichting veranda Joint véranda Gasket veranda Dichtung Wintergarten	Junta veranda Uszczelka do werandy Guarnizione veranda
	Borsteldichtingen Joints brosse Brushes Bürstendichtungen	Cepillos Szczotki Spazzole
	Isolerend vulstuk Pièce de remplissage isolante Insulating filling piece Isolierendes Füllstück	Pieza de relleno aislante Wkladka izolacyjna Riempinento isolanta
	Einddichting Joint d'assemblage End gasket Enddichtung	Junta Uszczelka koncowa Angolo prestampato
	Isolatie Isolant Insulation Isolation	Aislamiento Izolacyja Isolante
	Brievenkleppen Entrées de courrier Letter boxes Briefeinwurf	Buzones Skrzynka na listy Cassetta posta
	Automatische deurdichtingen Fermetures automatiques Automatic door latches Automatische Türdichtungen	Cierrapuertas automaticos Drzwiowa automat. opadajaca listwa Dispositivo di chiusura soglia
	Variant Variante Variant Variante	Variante Wariant Variante

Stolp-kipraam
Fenêtre double ouvr.-batt.
Double casem.-tilt window
Stulpfenster D/DK

Ventana abatible doble hoja
Okno rozwierano-uchylne
dwuskrzydlowe
Finestra a 2 ante ribalta

Draaikip
Oscillo-battant
Turn and tilt
Drehkipp

Oscilobatiente
Okno rozwierno-uchylne
Anta ribalta

Kipdraai
Battantes-ouvrantes
Tilt and turn
Kippdreh

Batiente oscilante
Okno uchylno-rozwierane
Anta ribalta inversa

Draairaam
Fenêtre ouvrante
Side-hung window
Drehfenster

Ventana practicable
Okno rozwierane
Battente

Stolpraam
Fenêtre double ouvrant
Double casement window
Stulp-Flügel Fenster

Ventana doble hoja
Okno rozwierane wuskrzydlowe
Finestra a 2 ante

Valraam
Fenêtre à soufflet
Bottom hung window
Kipp-Fenster

Ventana abatible
Okno uchylne
Wasistas

Afstandbedieningen valraam
Commandes à distance pour fenêtre à soufflet
Remote control for fanlight window
Oberlichtbeschlag für Kipp-Flügel

Funcionamiento a distancia para ventana de techo
Mechanizm do dystansowego uchylania okien
Vasistas con telecmando

Buitendraaiend raam
Fenêtre ouvrant vers l'extérieur
Outside opening window
Nach aussen öffnendes Fenster

Ventana apertura exterior
Okno otwierane na zewnatrz
Finestra ad apertura esterna

Uitzetzakraam
Châssis à l'Italienne
Top-hung window
Senk-Klappfenster

Ventana proyectante con compas
Okno wychylne na zewnatrz
Sporgere con frizioni

Tuimel- en taatsraam
Châssis pivotant
Pivot window
Schwingflügel

Ventana pivotante
Okno obrotowe
Bilico

Vouwdeur
Porte pliante
Folding door
Falttür

Puerta plegable
Drzwi harmonijkowe
Veranda libro

Schuifkip (TF)
Coulissant-tombant (TF)
Slide and tilt (TF)
Schiebekipptür (TF)

Paralela
Uchylno-przesuwny
Scorrevole parallelo

Schuifraam
Fenêtre coulissante
Sliding window
Schiebefenster

Ventana corredera
Okno przesuwne
Scorrevole

Parallel opengaand raam
Fenêtre ouvrant parallele
Parallel opening window
Parallelausstellfenster

Ventana proyectante paralela
Okno rownolegle wysuwane na zewnatrz
Sporgere parallelo

Kipraam
Fenêtre battante
Tilt window
Kippfenster

Oscilo
Okno uchylne
Vasisdas

Dubbele deur buitendraaiend
Porte double ouvrant vers l'ext.
Double door outward opening
Zweiflügelige Tür aussen öffnend

Puerta doble apertura exterior
Drzwi dwuskrzydlowe otw. na zew.
Porta due ante apertura esterna

Deur binnendraaiend
Porte ouvrant vers l'int.
Door inward opening
Tür nach innen öffnend

Puerta apertura interior
Drzwi otw. do wewnatrz
Porta apertura interna

Deur buitendraaiend
Porte ouvrant vers l'ext.
Door outward opening
Tür aussen öffnend

Puerta apertura exterior
Drzwi otw. na zewnatrz
Porta apertura esterna

DRAAISCHUIFRAAM
OUVRANT PROJETANT
SIDE-HUNG SLIDING WINDOW
DREHSCHIEBEFENSTER

Verankeringen
Ancrages
Fixing lugs
Verankerungen

Anclajes
Kotwy
Ancoraggio

Sluitpennen en sluitstukken
Rouleaux et gâches
Lock pins and lock plates
Schliessrollen und Schliessstücke

Bulones y cerraderos
Plytka i kolek ryglujacy
-

Goot
Gouttière
Gutter
Rinne

Canal
Rynna
Gronda

Dakvenster
Tabatière
Attic window
Dachfenster

Ventana de techo
Okno dachowe
Lucernario

Kunststof dakbedekking
Toiture synthétique
Synthetic roofing
Kunststoff Dachdeckung

Cubierta en material sintetico
Wypelnienie poliweglanem na dachy
Pannello

Zelfklevende dubbelzijdige tape
Bande autocollante 2 faces
Self-adhesive double sided tape
Selbstklebendes beidseitiges Band

Cinta autoadhesiva de dos caras
Biadesivo

Domotica
Domotique
Domotics
Domotik

Domótica
Domotica
-

Profielen met hoge isolatiewaarde
Profilés avec valeur d'isolation élevée
Profiles with high insulation value
Profile mit höhen Isolationswert

Perfiles alto aislamiento térmico
Profile o wysokiej izolacyjnosci termicznej
Alto isolarento

Wielen
Galets
Rollers
Laufwagen

Ruletas
Wozki
Carrelli

Regeltringels
Tringles de réglage
Adjustment rods
Regulierstange

Varilla de ajuste
Listwy regulacyjne
Astina

Geleidingsplaat
Guide
Guide plate
Führung

Placa guia
Element naprowadzajacy
Guida

A

	Gereedschap Outillage Tool Werkzeug	Util Narzedzie Utensile
	Gereedschappen en machines voor ontwatering van kader Outillage et machinerie pour drainage dormant Tools and machinery for draining outer frame Werkzeuge und Maschinen für Entwässerung Blendrahmen	Utiles y maquinaria para el drenaje del marco Narzedzia i maszyny do drenazy oscieznic Utensili e macchinari per il drenaggio del telaio
	Gereedschappen en machines voor ontwatering van vleugel Outillage et machinerie pour drainage ouvrant Tools and machinery for draining vent Werkzeuge und Maschinen für Entwässerung Flügel	Utiles y maquinaria para el drenaje de la hoja Narzedzia i maszyny do drenazy skrzydel Utensili e macchinari per il drenaggio dell'anta
	Decompressie Decompression Decompression Dekompression	Descompresion Dekompresja Decompressione
	Gereedschappen en machines voor T-verbinding Outillage et machinerie pour jonction-T Tools and machinery for T-brackets Werkzeuge und Maschinen für T-Verbinder	Utiles y maquinaria para topes de unión Narzedzia i maszyny do polaczen teowych Utensili e macchinari per i giunti
	Gereedschappen en machines voor krukuitsparing Outillage et machinerie pour fermeture Tools and machinery for closure Werkzeuge und Maschinen für Beschläge	Utiles y maquinaria para el cierre Narzedzia i maszyny do zamkniec Utensili e macchinari per le chiusure
	Multifunctionele matrijs Matrice multifonctionnelle Multifunctional punch tool Mehrzweckstanzwerkzeug	Matriz multifuncional Wykrojnik wielofunkcyjny Punzonatrice multifunzionale
	Geleide matrijs Matrice guidée Punch tool Stanzwerkzeug	Matriz Wykrojnik Punzonatrice
	Handmatig gereedschap Outillage manuel Manual tools Handwerkzeuge	Util manual Narzedzie reczne Dime
	Freessjabloon Calibre de fraisage Stencil plate for milling head Fräseschablone	Plantilla para copiadora Szablon do frezarki Maschera per pantografo
	Enkelkopse freesmachine Frais. à copier à une broche Copy router 1 spindle Einspindel-Kopierfräse	Copiadora de un cabezal Frezarka z jedna glowica Pantografo di copia a 1 mandrino 1 mandrino
	Frees- en boormachine Fraiseuse et foreuse Router and drilling machine Fräse- und Bohrgerät	Copiadora taladradora Frezarka z wiertarka Centro dilavoro
	Bewerkingscentrum Centre d'usinage Machining center Bearbeitungszentrum	Centre de mecanizado Centrum obrodcze Centro di lavorno
	Hydropneumatische pers Presse hydropneumatique Hydropneumatic press Hydropneumatische Presse	Prensa neumática Prasa hydropneumatyczna Pressa idropneumatica
	Zaagmachine Tronçonneuse Sawing machine Kreissäge	Maquina de corte Pila do ciec przestrzennych Macchina per taglio
	Hoekenpers Sertisseuse Crimper Eckverbindungsmaschine	Ensambladora Zaciskarka narozy Cianfrinatrice
	Handmatrijs Matrice manuelle Manual punch tool Handstanzwerkzeug	Prensa manual Wykrojnik reczny Punzonatrice manuale
	Gereedschap voor lijminjectie Outillage pour encollage Tool for injection Werkzeug fuer Klebeinjektion	Util para inyeccion Narzedzie do wtrysku kleju Utensile colla
	Gereedschap voor krukken Outillage pour cremones Tool for handles Werkzeug fuer Handhebel	Util para manetas Narzedzie do klamek Utensile per maniglie
	Gereedschap voor sluitlatten Outillage pour tringles Tool for linkbars Werkzeug fuer Schubstange	Util para barras union Narzedzie do listew sterujacych okuciami Utensile per barre di collegamento
	Gereedschap voor T-verbindingen Outillage pour connections-T Tool for T-connections Werkzeug fuer T-Verbindungen	Util para topes de union Narzedzie do polaczen Teowych Utensile per travesi
	Klemblokken Blocs de serrage Clamping blocks Spannbacken	Bloques de presión Bloki zaciskowe Blocchetti di supporto
	Gereedschap voor ontwatering buitenkaders Outillage pour drainage dormants Tool for drainage outer frames Werkzeug fuer Entwaesserung Blendrahmen	Util drenaje marco Narzedzie do drenazy oscieznic Utensile per drenaggio telaio
	Gereedschap voor hoekverbinding Outillage pour connection d'equerre Tool for corner connection Werkzeug fuer Eckverbindung	Util union esquina Narzedzie do polaczen narozynych Utensile per connessioni d'angolo
	Gereedschap voor montage Outillage pour montage Tool for assembly Werkzeug für Montage	Util para colocacion Narzedzie do montazu Utensile assemblaggio
	Gereedschap voor deursluiter Outillage pour fermeture porte Tool for door closer Werkzeug für Türschliesser	Util para cierrapuertas Narzedzie do samozamykacza drzwiowego Utensile chiu di porta
	Gereedschap voor scharnieren Outillage pour charnieres Tool for hinges Werkzeug für Bänder	Util para bisagras Narzedzie do zawiasy Utensile cerniere
	Gereedschap voor sloten Outillage pour fermetures Tool for locks Werkzeug für Schlösser	Util para cerraduras Narzedzie do zamka Utensile serrature
	Gereedschap voor wisselprofielen Outillage pour chicanes Tool for sections Werkzeug für Wechselprofile	Util para encuentros centrales Narzedzie do przekrojow Utensile chicanes
	Gereedschap voor beglazing Outillage pour vitrage Tool for glazing Werkzeug für Verglasung	Util para acristalamiento Narzedzie do przeszklen Utensile vetro
	Gereedschap voor diverse toepassingen Outillage pour applications divers Tool for miscellaneous applications Werkzeug für diverse Anwendungen	Utiles para varias aplicaciones Narzedzie do montazu elementow uzupelniajacych Utensile vari

	Gereedschap voor dichtingen Outillage pour joints Tool for gaskets Werkzeug für Dichtungen	Util para juntas Narzedzie do uszczelki Utensile guarnizioni
	Gereedschap voor bevestiging wielen Outillage pour fixation des roulettes Tool for fixation rollers Werkzeug für Befestigung Laufräder	Util para fijación de ruletas Narzedzie do montazu wozkow Utensile carrelli
	Gereedschap voor ontwatering vleugels Outillage pour drainage ouvrants Tool for drainage vents Werkzeug für Entwässerung Flügel	Util para drenaje hoja Narzedzie do drenazu skrzydla Utensile drenaggio anta
	Uitfrezing voor inbouw bovenspeun in kozijn Fraisage pour encastrement gond supérieur dans la fenêtre Milling for building in upper pivot in window Ausfräsung für Einbau eines oberen Lagers im Rahmen	Fresado para pivotante en marco superior Frez do montazu gornego sworznia w oknie Lavorazioni super. finestra pivottante
	Uitfrezing voor inbouw vloerspeun in vleugel Fraisage pour encastrement gond inférieur dans l'ouvrant Milling for building in floor pivot in vent Ausfräsung für Einbau eines Bodenlagers im Flügel	Fresado para pivotante en hoja inferior Frez do montazu dolnego sworznia w skrzydle Lavorazioni infer. finestra pivottante
	Uitfrezing voor inbouw bovenspeun in vleugel Fraisage pour encastrement gond supérieur dans l'ouvrant Milling for building in upper pivot in vent Ausfräsung für Einbau eines oberen Lagers im Flügel	Fresado para pivotante en hoja superior Frez do montazu gornego sworznia w skrzydle Lavorazione super. finestra pivottante
	Monteertafel Table de montage Assembly bench Montagetisch	Banco de montaje Stol montazowy Banco montaggio
	Elektrische aansluiting Fixation électrique Electric connection Elektrisches Anschluss	Conexión eléctrica Polaczenie elektryczne Connessione elettrica
	Compressor Compresseur Compressor Kompressor	Compresor Kompresor Compressore
	Kogel Dr. Hahn Bille Dr. Hahn Ball Dr. Hahn Kugel Dr. Hahn	Bola Dr. Hahn Kulka Dr. Hahn -
	Mechanische aansluiting Fixation mecanique Mechanical connection Mechanischer Anschluss	Conexión mecánica Polaczenie mechaniczne Fissaggio meccanico

	Pneumatische aandrijving Propulsion pneumatic Pneumatic drive Pneumatische Antrieb	Destornillador neumatico Pneumatyczny naped Cilindro pneumatica
	Ponsunit Unité d'étamper Punch unit Stanzeinheit	Punzon Wykrojnik Unita punzonatrice
	Land Pays Country Land	Pais Kraj Nazione
	Min. profiellengte Longueur min. de profilé Min. length of profile Min. Profillänge	Longitud mínima del perfil Minimalna dlugosc profilu Lunghezza minima profilo
	Max. profiellengte Longueur max. de profilé Max. length of profile Max. Profillänge	Longitud máxima del perfil Maksymalna dlugosc profilu Lunghezza max profilo
	Max. profielhoogte Hauteur max. de profilé Max. height of profiles Max. Profilhöhe	Altura máxima del perfil Maksymalna wysokosc profilu Max altezza
	Max. horizontale beweging Movement max. horizontale Max. horizontal movement Max. horizontale Versetzung	Movimiento horizontal máximo Maksymalny ruch poziomy Spostamento orizz. max
	Horizontaal hoekbereik Intervalle d'équerre horizontale Horizontal corner range Eckbereich Horizontal	Rango de corte a inglete horizontal Zakres katow poziomych Dimensione taglio orizz.
	Verticaal hoekbereik Intervalle d'équerre verticale Vertical corner range Eckbereich Vertikal	Rango de corte a inglete vertical Zakres katow pionowych Dimensione taglio vert.
	Motor Moteur Motor Antrieb	Motor Silownik napedowy Motore
	Gewicht Poids Weight Gewicht	Pesos Ciezar Peso
	Max. toerental Vitesse d'axe max. Max. spindle speed Max. Drehzahl	Velocidad de sierra Maksymalna predkosc obrotowa Velocita max lama

B

Reynaers Aluminium

Algemene informatie systemen
Généralités séries
General Information System
Allgemeine Information System

VERWERKINGSVOORSCHRIFTEN

I. ALGEMEEN

Zie catalogus “1.Algemene informatie” (089.C01E.00 editie 11/2004)

II. VERWERKINGSVOORSCHRIFTEN SLIM PATIO 68

II.1 CONSTRUCTIEVOORSCHRIFTEN

Om blijvend een perfect eindproduct te garanderen, dienen tijdens de verwerking volgende regels in acht genomen te worden.

II.1.1 Verspanende bewerkingen

Onder verspanende bewerkingen wordt verstaan: alle mechanische bewerkingen zoals zagen, frezen, boren ponsen en knippen. Voor gelakte profielen is het essentieel dat de laklagen aan de randen niet loskomen tijdens deze bewerkingen.
Het is daarom van groot belang voor de kwaliteit van de verbindingen dat:

- Het verspanende gereedschap geschikt en voldoende scherp is.
- De machines goed afgeregeld zijn (bv. Toerental).
- Een regelmatige controle van het gereedschap gebeurt.
- Het verspanende gereedschap correct en voldoende gesmeerd wordt:
  - Smeerstick Reynalube (art. Nr. 086.9191.UN) voor zaagbladen.
  - Snijmiddel (art.nr. 086.9175.UN) voor ponsgereedschap.
  - Of de door de machineleverancier voorgeschreven koel- en smeermiddelen.
- De gepaste klemblokken worden gebruikt. (zie montagetekening “klemblokken”)
- De aan- en afvoertafel vrij zijn van spanen en verontreinigingen.
- Eventuele koeling gebeurt met chemische neutrale producten die de oppervlaktebehandeling niet aantasten.

Positie / klemming van de profielen tijdens het zagen:
De positie van de profielen op de zaagtafel tijdens het verzagen is zeer belangrijk en is de basis om perfecte verstekken te bekomen na montage van schuifelementen.
De grootste druk moet steeds op de „referentiezijde“ van de profielen uitgeoefend worden.
De „referentiezijde“ moet perfect horizontaal of verticaal op de zaagtafel geplaatst worden.
Klemblokken moeten gebruikt worden:

a. om te vermijden dat de speling op de profielen de kwaliteit van het verstek zou beïnvloeden.
b. om te vermijden dat de profielen zouden kantelen op de tafel.

II.1.2 Assemblage

Wij maken de volgende onderverdeling:

1. Hoekverbindingen;
2. T-verbindingen en kruisverbinding;
3. Ontwatering, ontluchting en uitsparingen voor het beslag;
4. Dichtingen;

II.1.2.1 Hoekverbindingen

Stappen:

a. Correct zagen van de buitenkader profielen.
b. Schroefgaten boren in de verticale buitenkader profielen (_10mm;_5mm).
c. Zaag of frees de verticale buitenkader profielen
d. Beschermen van de zaagsneden en bewerkte vlakken door:
   - Ontbramen (indien noodzakelijk).
   - Verwijderen van stof en zaagresten op de zaagsnede en in de profielkamer.
   - Ontvetten (Reynafinish 60 art. nr. 086.9210.--);
   - Aanbrengen van Reynaprotector
e. Afdichten van buitenkader-profiel door aanbrengen van een neutraal, elastisch dichtingmiddel:
   - Op de zaagsneden;
   - Op de bevestigingsgaten;

f. De samengevoegde elementen dienen aan de zichtvlakken gereinigd te worden van dichtingresten en dit uitsluitend met een niet-agressief middel (Reynafinish 60, art. nr. 086.9210.--).

B

Opmerkingen:

Om een goede afdichting te verkrijgen van de buitenkader dient men een extra afdichtingsstuk te voorzien tussen de rechte hoekverbinding.

- 2-rail:
  - Onderaan en bovenaan art. nr. 080.9727.04
  - Onderaan art. Nr. 062.9321.04
- 3-rail:
  - Onderaan en bovenaan art. nr. 080.9728.04
  - Onderaan art. nr. 062.9322.04
- 1-rail:
  - Onderaan en bovenaan art. nr. 080.9729.04
  - Onderaan art. nr. 062.9323.04
- 2-rail Low Threshold:
  - Onderaan art. nr. 080.9734.04
  - Bovenaan art. nr. 080.9727.04
- 3-rail Low Threshold:
  - Onderaan art. nr. 080.9735.04
  - Bovenaan art. nr. 080.9728.04

II.1.2.2 T-Verbindingen

Stappen:

a. Correct zagen, frezen, ponsen en boren van het T-profiel (zie F-pagina's).
b. Bescherming van de zaagsneden en bewerkte vlakken door:
   - Ontbramen (indien noodzakelijk);
   - Verwijderen van stof en zaagresten op de zaagsnede en in de profielkamer;
   - Ontvetten (Reynafinish 60 art. nr. 086.9210.--);
   - Aanbrengen van Reynaprotector op zaagsnedes en Reynaers Anti-corro (art.nr. 086.9606.--) op de freessnedes.
c. Afdichten van T-profiel door aanbrengen van een neutraal, elastisch dichtingmiddel:
   - Op de zaagsneden;
   - Op de bevestigingsgaten;
d. De samengevoegde elementen dienen aan de zichtvlakken gereinigd te worden van dichtingresten en dit uitsluitend met een niet-agressief middel (Reynafinish 60 art. nr. 086.9210.--)

II.1.2.3 Ontwatering, ontluchting en uitsparingen voor het beslag

Stappen:

a. Aftekenen uitsparingen.
b. Correct ponsen, boren of frezen.
c. Beschermen van de bewerkte vlakken door:
   - Ontbramen (indien noodzakelijk).
   - Verwijderen van stof en zaagresten op de zaagsnede en in de profielkamer.
   - Ontvetten (Reynafinish 60 art. nr. 086.9210.--).
   - Aanbrengen van Reynaers Anti-corro (art. nr. 086.9606.--)

Aandachtspunten bij de ontwatering / ontluchting:
Eventueel binnendringend water moet vlot en gecontroleerd kunnen afgevoerd worden en de druk in de binnenkamers moet gelijk blijven aan die van de buitenlucht.

Bij elk schuifelement worden er ontwateringopeningen voorzien met een maximale afstand tot de hoek van 250 mm voor de vleugel en 150 mm voor het vast kader. De afstand tussen 2 ontwateringopeningen bedraagt max. 800 mm.
Per raamvak dienen min. 2 ontwateringsopeningen voorzien te worden!

Alle types schuifelementen moeten voorzien zijn van een ontwateringsysteem in de onderregels en / of de horizontale T-profielen. De minimale oppervlakte van deze ontwateringsopeningen bedraagt 50 mm² per opening in de vleugel, hetzij een ronde opening van minimum 8 mm diameter, hetzij langwerpige openingen van minimaal 5 mm bij 15 mm. Voor het vast kader bedraagt de minimale oppervlakte 150 mm² per opening hetzij 3 ronde openingen van min. 8 mm diameter, hetzij een langwerpige opening van minimaal 8 mm bij 34 mm. Ontwateringgaten die aan de buitenzijde van het schuifelement zichtbaar zijn, worden afgedekt met kunststofkapjes.

Bij elk schuifelement worden er ontluchtingsgaten voorzien. De functie hiervan is de drukegalisatie rond de beglazing te waarborgen.
Aan de zijkant bovenaan de vleugel wordt steeds minimum 1 opening van minimum 5 mm geboord.
Opmerking: Voor specifieke ontwateringen verwijzen wij naar bladzijde 23.F. …

II.1.2.4 Dichtingen

Alle dichtingrubbers zijn van weer- en verouderingsbestendig EPDM. De verwerking ervan dient zorgvuldig te gebeuren, aangezien hiervan de dichtheid van het schuifelement afhangt.

a. Het aanbrengen van de beglazingsdichtingen/dichtingen.
Stappen:

1. Correct versnijden: Het versnijden van de beglazingsdichting dient met een speciale schaar (art. nr. 090.0121.UN) te gebeuren. De dichting kan naargelang de soort profielverbinding in verstek of recht versneden worden. Benodigde overlengte (ca 10 mm per meter) dient voorzien te worden.
2. Aanbrengen dichting: de dichtingen worden aangebracht in de daarvoor voorziene groeven van de profielen. De overlengte wordt lichtjes opgestuikt om uitzetten of krimpen op te vangen. Moeilijkheden bij het inbrengen kunnen opgevangen worden met een siliconenspray (art. nr. 086.9551.--).

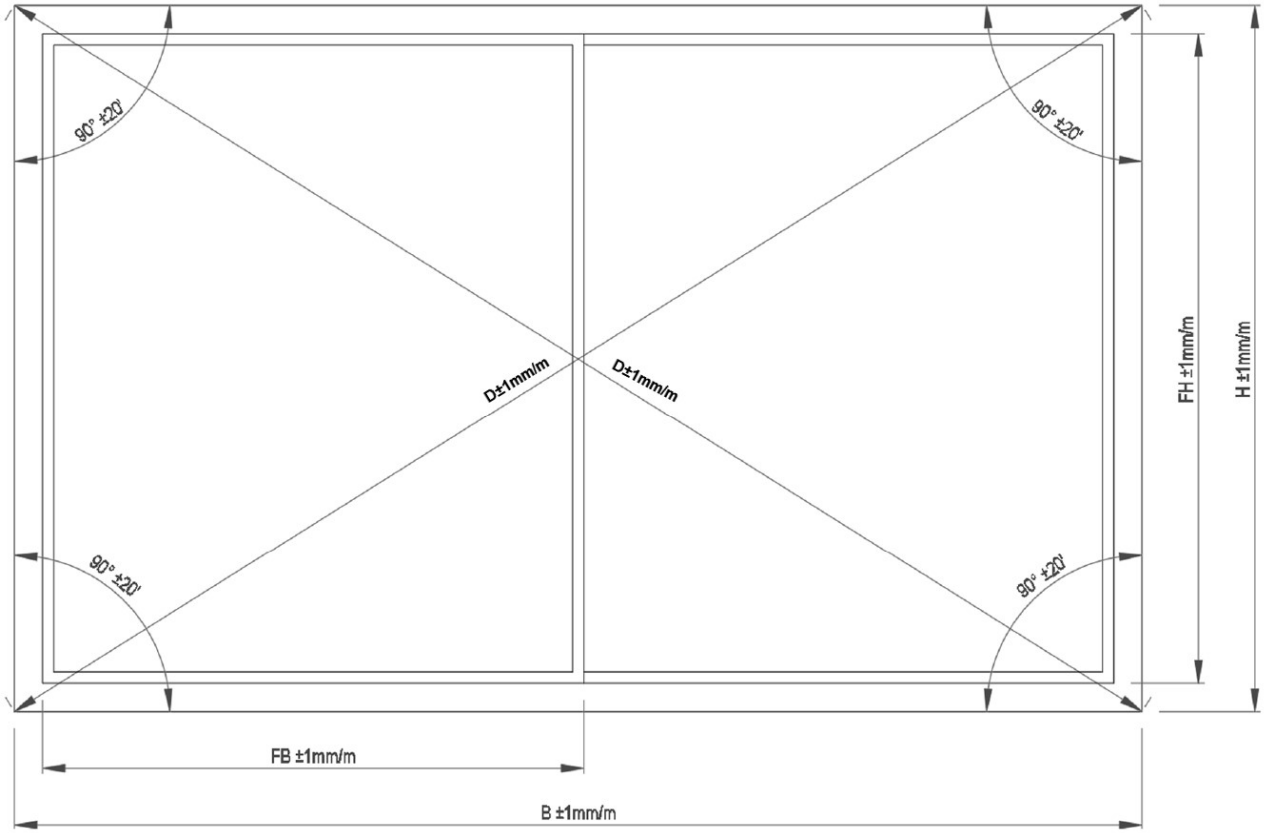
b. Het aanbrengen van de borsteldichtingen.
Stappen:

1. Correct versnijden: het versnijden van de borsteldichting dient met een speciale schaar (art. nr. 090.0121.UN) te gebeuren en de dichting kan naargelang van de soort profielverbinding in verstek of recht versneden worden.
2. Aanbrengen borsteldichting: de borsteldichtingen worden geschoven in de daarvoor voorziene groeven van de profielen.
3. Verlijmen: Naargelang de soort profielverbinding (recht) dient de borsteldichting aan de uiteinden verlijmd te worden met secondenlijm (Reynaglue art. nr. 084.9107.--) . Deze verlijming is noodzakelijk om het uitglijden van de borsteldichting te vermijden.

c. Het aanbrengen van een afdichting onder- en bovenaan het wisselprofiel.
Om een goede water- en winddichtheid te bekomen dient onder- en bovenaan het wisselprofiel een extra afdichting geplaatst te worden:

- Onderaan art. Nr. 022.5550.04
- Bovenaan art. Nr. 022.5606.04

II.1.2.5 Fabricatie toleranties



XQ: **ΔB – (ΔFB1 + ΔFB2) < 4mm**
XX: **ΔB – (ΔFB1 + ΔFB2) < 2mm**
XXQ/QXXQ: **ΔB – (ΔFB1 + ΔFB2 + ΔFB…) < 6mm**
XXX/XXXX: **ΔB – (ΔFB1 + ΔFB2 + ΔFB…) < 4mm**

ΔH – ΔFH < 2mm
Voorbeeld 1:
XQ 3000mx2200m:
ΔB – (ΔFB1 + ΔFB2) = (+3) – ((-1) + (+1)) = +3 => 3 < 4 OK

Voorbeeld 2:
XQ 3000mx2200m:
ΔB – (ΔFB1 + ΔFB2) = (+3) – ((-1) + (-1)) = +5 => 5 < 4 NOK

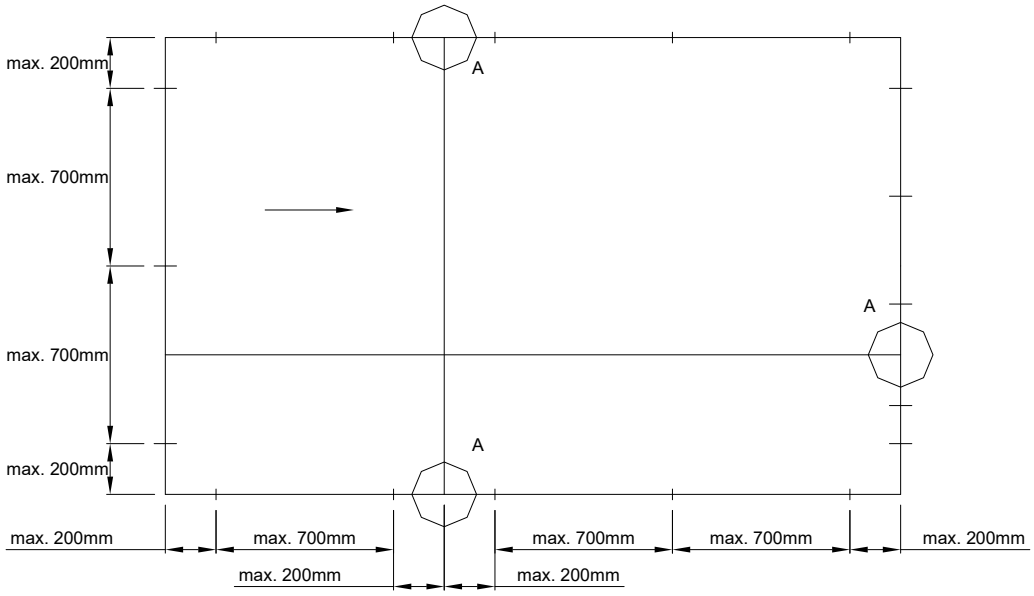
Voorbeeld 3:
XQ 3000mx2200m:
ΔH – ΔFH < 2mm = (+2) – (+1) = +1 => 1 < 2 OK

II.2 MONTAGEVOORSCHRIFTEN

II.2.1 Inbouw in de ruwbouw

De bevestiging aan de ruwbouw gebeurt ofwel rechtstreeks doorheen de profielen met bijvoorbeeld schroeven en pluggen, ofwel met behulp van bevestigingsankers.

a. De bevestigingen mogen niet minder dan 40 mm van de wand van de ruwbouw worden aangebracht.
b. De verankering mag geenszins het draagvermogen van de aangrenzende bouwonderdelen beïnvloeden.
c. Alle verankeringen, voor zover niet uit aluminium of roestvrij staal, dienen afdoende tegen corrosie te zijn beschermd en mogen zelf ook geen aantasting van het aluminium veroorzaken.
d. Bij de plaatsing van de schuifelementen worden er voldoende bevestigingen voorzien:



e. Er dienen aan alle zijden minstens 2 bevestigingen aangebracht te worden met een maximale afstand tot de hoek van 200 mm.
f. De afstand van de bevestigingen onderling bedraagt maximum 700 mm.
g. Op de plaatsen waar een tussenregel of tussenstijl op de zijstijl, boven- of onderregel aansluit, moet de verankering op maximum 200 mm naast de stijl- of regelaansluiting worden aangebracht. (A).
Hierdoor wordt bereikt dat de tussenregel en de tussenstijl een lengteverandering (ten gevolge van temperatuurverandering) zonder schade kunnen ondergaan.
h. Aan te raden is de bevestigingen te positioneren ter hoogte van ieder sluitpunt.

Opmerking: De verankeringen dienen dusdanig aangebracht te worden dat ze eventuele zettingen van het schuifelement kunnen opvangen.

Bij gebruik van schroeven en pluggen doorheen de profielen mogen de kamers in het onderste vast kader niet doorboord worden om geen waterinfiltratie te bekomen ter hoogte van deze bevestiging.

II.2.2 Inbouw van het beslag

Keuze van bevestigingspunten, aantal sluitpunten, max. Vleugelgewicht, max. Vleugelafmetingen, toegepast vleugelprofiel e.a. dient te gebeuren volgens de richtlijnen van de systeemleverancier en de beslagfabrikant.
Glijdende en bewegende delen zijn van neutraal vet te voorzien.
Bij montage controleren of het beslag soepel en zonder hapering te bedienen is.

II.3 BEGLAZING

Alle Reynaers systemen zijn ontworpen voor beglazing met EPDM-rubbers of neutrale siliconenkit. Bij siliconenbeglazing dient een rugvulling aangebracht te worden om een correcte opening tussen het glaspaneel en het aluminiumkader te creëren. Wij raden u aan onze speciaal ontwikkelde beglazingsrubbers te gebruiken. De beglazing hiermee zal vlotter en betrouwbaar verlopen, duurzamer zijn in de tijd, en beschadigde glaspanelen zullen gemakkelijker vervangen kunnen worden.

Bij de beglazing dient rekening te worden gehouden met volgende punten:

- Door opstuiken van de rubber wordt vermeden dat er daarna openingen ontstaan in de hoeken.
- Drainagegaten dienen geboord te worden om waterophoping te vermijden (zie montagetekeneningen drainage).

Plaatsing van de glaspanelen

De glaspanelen mogen niet in contact komen met het aluminium; gebruik altijd glassteunen en beglazingsrubbers.
Door het opspieën van het glas vermijdt men niet enkel dit contact, maar wordt eveneens een juiste plaatsing in het schuifelement bekomen en het eigen gewicht van het glas wordt op de juiste wijze overgebracht naar de wielen teneinde een eventuele vervorming van de vleugel te voorkomen.

Er zijn 3 types glassteunen:

Steunblokjes

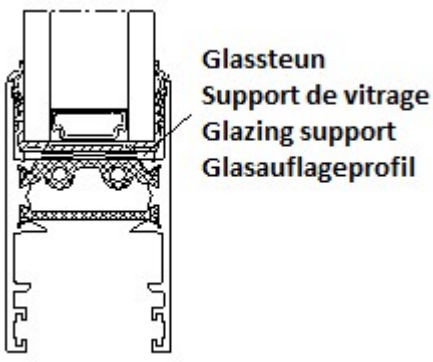
Stelblokjes

Correctieblokjes

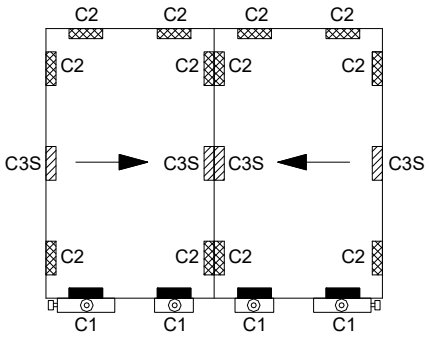
C1: Steunblokjes
Deze blokjes brengen het gewicht van het glas over op de vleugel of het raamkozijn. Hun goede plaatsing is van groot belang voor de goede werking van de schuifelementen.

C2: Stelblokjes
Deze blokjes verzekeren de positionering van het glas tussen de sponning. Ze worden aangebracht zonder forceren. Hun doel is elke beweging van het glas in zijn vlak uit te schakelen.

C3S: Correctieblokjes
Deze glassteunen zijn bedoeld om de spanningen in het glas te beperken, voornamelijk tijdens het verplaatsen van het element. Deze glassteunen worden geplaatst op Hv/2.



De volgende schetsen geven de plaatsing van de beglazingsblokjes in de verschillende types schuifelementen aan.

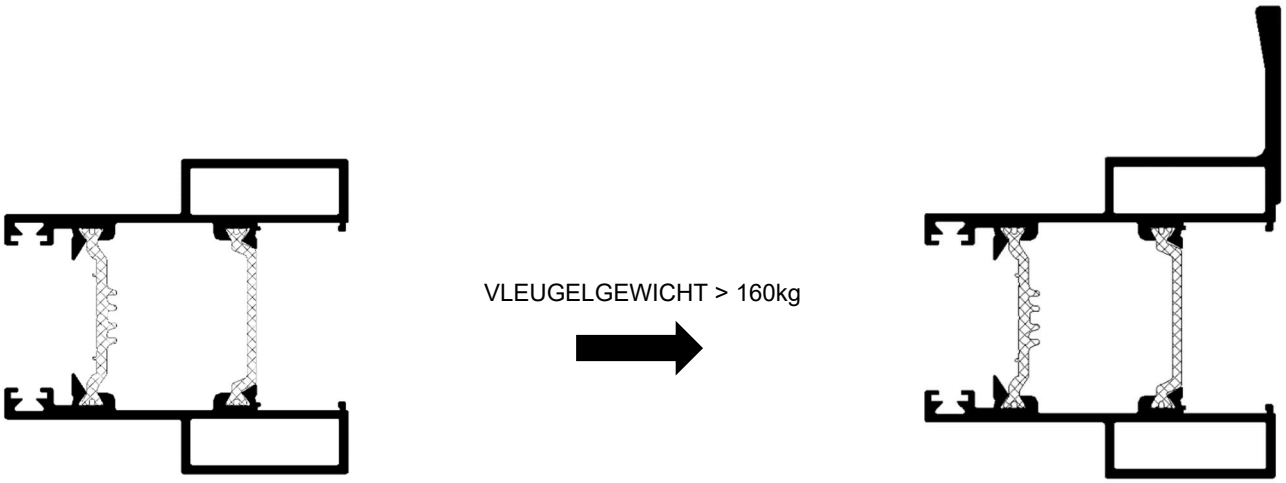


Bij schuivende vleugels dient het glasgewicht overgebracht te worden naar de wielen. De steunblokjes (C1) moeten dus onderaan geplaatst worden ter hoogte van de wielen.
Bij vaste vleugels dient het glasgewicht overgebracht te worden naar het steunstuk van de vaste vleugel. De steunblokjes moeten dus geplaatst worden ter hoogte van het steunstuk.

II.4 AANBEVOLEN VLEUGELPROFIELEN

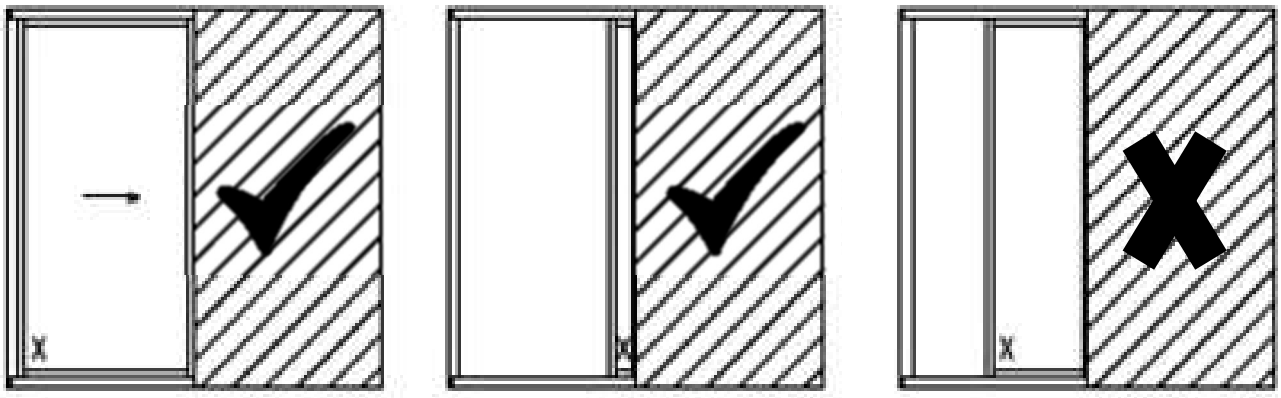
Aanbevolen vleugelprofielen voor optimaal gebruiksgemak:

VLEUGELGEWICHT	AANBEVOLEN VLEUGELPROFIELEN
0-160 kg	STANDAARD OF GROOT VLEUGELPROFIEL ZONDER HANDGREEP STANDAARD OF GROOT VLEUGELPROFIEL MET HANDGREEP VOOR SCHUIVENDE VLEUGELS: 013.6300.XX 013.6301.XX 013.6312.XX 013.5312.XX 013.5303.XX 013.6310.XX 013.6311.XX 013.6313.XX 013.6340.XX 013.5313.XX 013.6400.XX 013.6401.XX 013.6410.XX 013.6411.XX 013.6342.XX 013.6344.XX
160-200 kg	STANDAARD VLEUGELPROFIEL MET HANDGREEP VOOR SCHUIVENDE VLEUGELS: 013.6400.XX 013.6401.XX 013.5312.XX
160-250 kg	GROOT VLEUGELPROFIEL MET HANDGREEP VOOR SCHUIVENDE VLEUGELS: 013.6410.XX 013.6411.XX 013.6342.XX 013.6344.XX 013.5313.XX



II.5 POCKET CONFIGURATIE

Thermisch geïnduceerde spanning komt voor in glas wanneer het centrum opwarmt als gevolg van hoge temperaturen en/of blootstelling aan zonnestraling en de randen van het glas koel blijven. In pocket oplossingen neemt het risico op thermische breuk sterk toe wanneer de vleugel gedeeltelijk geopend is. Daarom wordt geadviseerd om bij pocketoplossing alle glasplaten thermisch te behandelen. In het geval van gegloeid glas moeten de vleugels volledig geopend of gesloten worden bij hoge temperaturen en/of directe zonnestraling.



PRESCRIPTIONS DE MISE EN OEUVRE

I. GÉNÉRALITÉS

Voir catalogue « 1. Informations générales » (089.C01E.00 édition 11/2004)

II. INSTRUCTIONS DE PRODUCTION SLIM PATIO 68

II.1 INSTRUCTIONS DE FABRICATION

Afin de pouvoir garantir continuellement la qualité du produit fini, les règles suivantes devront être respectées durant le traitement.

II.1.1 Opérations d'usinage

On entend par opérations d'usinage toutes les opérations mécaniques telles que sciage, fraisage, perçage, poinçonnage ou découpe. Sur les profilés peints, il est primordial d'éviter que les couches de peinture se détachent des bords durant ces opérations.
Aussi est-il très important pour la qualité des liaisons que :

- L'outil d'usinage soit adéquat et suffisamment affûté
- La machine soit bien réglée (p.ex. régime)
- L'outil soit contrôlé régulièrement
- L'outil d'usinage soit correctement et suffisamment lubrifié :
  - Graisse en stick Reynalube (art. n° 086.9191.UN) pour scies
  - Spray de coupe (art.nr. 086.9175.UN) pour poinçons
  - Ou les agents de refroidissement et de lubrification préconisés par le fournisseur de la machine.
- Les blocs de serrage corrects soient utilisés (voir schéma de montage « blocs de serrage »)
- La table d'amenée et d'évacuation soit exempte de copeaux et de salissures
- Le refroidissement éventuel soit assuré par des produits chimiquement neutres qui n'attaquent pas le traitement de surface.

Position / serrage des profilés pour le sciage :
Pendant cette opération, la position des profilés sur la table de sciage est très importante. C'est essentiel pour obtenir des onglets parfaits après montage des éléments coulissants.
La plus forte pression doit toujours être exercée sur le « coté de référence » des profilés.
Le « coté de référence » doit être parfaitement horizontal ou vertical sur la table de sciage.
Utilisez des blocs de serrage pour :

a. éviter que le jeu des profilés affecte la qualité des onglets
b. éviter que les profilés basculent sur la table.

II.1.2 Assemblage

Nous distinguons les opérations suivantes :

1. Liaisons d'angle ;
2. Liaisons en T et en croix ;
3. Drainage, ventilation et découpes pour les accessoires ;
4. Joints.

II.1.2.1 Liaisons d'angle

Étapes :

a. Scier correctement les profilés du cadre extérieur.
b. Forer les trous de vis dans les profilés verticaux du cadre extérieur (_10mm;_5mm).
c. Scier ou fraiser les profilés verticaux du cadre extérieur
d. Protection des coupes et des surfaces traitées par :
   - Ébavurage (si nécessaire).
   - Élimination de la poussière et des copeaux au niveau de la coupe et dans la chambre du profilé.
   - Dégraissage (Reynafinish 60 art. n° 086.9210.--).
   - Application de Reynaprotector
e. Étanchéité des profilés du cadre extérieur à l'aide d'un mastic neutre et élastique :
   - Sur les coupes ;
   - Sur les trous de fixation.

f. Les surfaces apparentes des éléments assemblés doivent être nettoyées des résidus de mastic, exclusivement avec un produit non agressif (Reynafinish 60, art. n° 086.9210.--).

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Remarques :

Pour la bonne étanchéité du cadre extérieur, il faut prévoir un joint supplémentaire au niveau de la liaison en angle droit.

- 2-rails :
  - En haut et en bas art. n° 080.9727.04
  - En bas art. n° 062.9321.04
- 3-rails :
  - En haut et en bas art. n° 080.9728.04
  - En bas art. n° 062.9322.04
- 1-rail :
  - En haut et en bas art. n° 080.9729.04
  - En bas art. n° 062.9323.04
- 2-rail Low Threshold:
  - En bas art. n° 080.9734.04
  - En haut art. n° 080.9727.04
- 3-rail Low Threshold:
  - En bas art. n° 080.9735.04
  - En haut art. n° 080.9728.04

B

II.1.2.2 Liaisons en T

Étapes :

a. Scier, fraiser, poinçonner et percer le profil en T (voir pages F).
b. Protection des coupes et des surfaces traitées par :
   - Ébavurage (si nécessaire) ;
   - Élimination de la poussière et des copeaux au niveau de la coupe et dans la chambre du profilé ;
   - Dégraissage (Reynafinish 60 art. n° 086.9210.--) ;
   - Application de Reynaprotector sur les coupes de scie et de Reynaers Anti-corro (art. n° 086.9606.--) sur les coupes de fraisage.
c. Étanchéité des profilés en T à l'aide d'un mastic neutre et élastique :
   - Sur les coupes ;
   - Sur les trous de fixation.
d. Les surfaces apparentes des éléments assemblés doivent être nettoyées des résidus de mastic, exclusivement avec un produit non agressif (Reynafinish 60, art. n° 086.9210.--).

II.1.2.3 Drainage, ventilation et découpes pour les accessoires

Étapes :

a. Tracer les découpes.
b. Poinçonner, percer ou fraiser correctement.
c. Protection des surfaces traitées par :
   - Ébavurage (si nécessaire) ;
   - Élimination des poussières et des copeaux au niveau de la coupe et dans la chambre du profilé.
   - Dégraissage (Reynafinish 60 art. n° 086.9210.--) ;
   - Application de Reynaers Anti-corro (art. n° 086.9606.--)

À surveiller concernant drainage/ventilation :
L'eau qui pénètre dans les profilés doit s'évacuer de manière rapide et contrôlée. La pression dans les chambres intérieures doit rester égale à celle de l'atmosphère extérieure.

Pour chaque élément coulissant, on prévoit des orifices de drainage situés au maximum à 250 mm de l'angle pour le battant et 150 mm pour le cadre fixe. La distance entre 2 orifices de drainage ne peut dépasser 800 mm.
Il faut prévoir au minimum 2 orifices de drainage par plan de fenêtre !

Tous les types d'éléments coulissants doivent être dotés d'un système de drainage au niveau des traverses basses et / ou des profilés en T horizontaux. La surface minimale de ces orifices de drainage est de 50 mm² par orifice dans l'ouvrant, soit une ouverture ronde de minimum 8 mm de diamètre, soit une ouverture allongée de minimum 5 mm sur 15 mm. En ce qui concerne le cadre fixe, la surface minimale est de 150 mm² par orifice, soit 3 orifices ronds de minimum 8 mm de diamètre, soit une ouverture allongée de minimum 8 mm sur 34 mm. Les orifices de drainage visibles sur la face extérieure de l'élément coulissant seront couverts par des bouchons en plastique.

Chaque élément coulissant comporte aussi des orifices de ventilation. Leur fonction consiste à égaliser la pression autour du vitrage.
Sur le flanc en haut du battant, on pratique toujours au minimum 1 ouverture d'au moins 5 mm.
Remarque : Pour les drainages spécifiques, nous renvoyons à la page 23.F. …

II.1.2.4 Joints

Tous les joints en caoutchouc sont en EPDM résistant aux intempéries et au vieillissement. Ces joints doivent être posés avec soin : l'étanchéité de l'élément coulissant en dépend.

a. Pose des joints de vitrage/joints

Étapes :

1. Coupe correcte : le joint de vitrage doit être coupé avec des ciseaux spéciaux (art. n° 090.0121.UN). Selon le type de profilés assemblés, le joint sera coupé en onglet ou droit.
   Prévoir une longueur supplémentaire (env. 10 mm par mètre).
2. Application du joint : les joints sont appliqués dans les rainures des profilés prévues à cet effet. La longueur supplémentaire est légèrement refoulée pour neutraliser le rétrécissement. En cas de difficulté d'introduction du joint, utiliser un spray au silicone (art. n° 086.9551.--).

b. Installation des brosses.

Étapes :

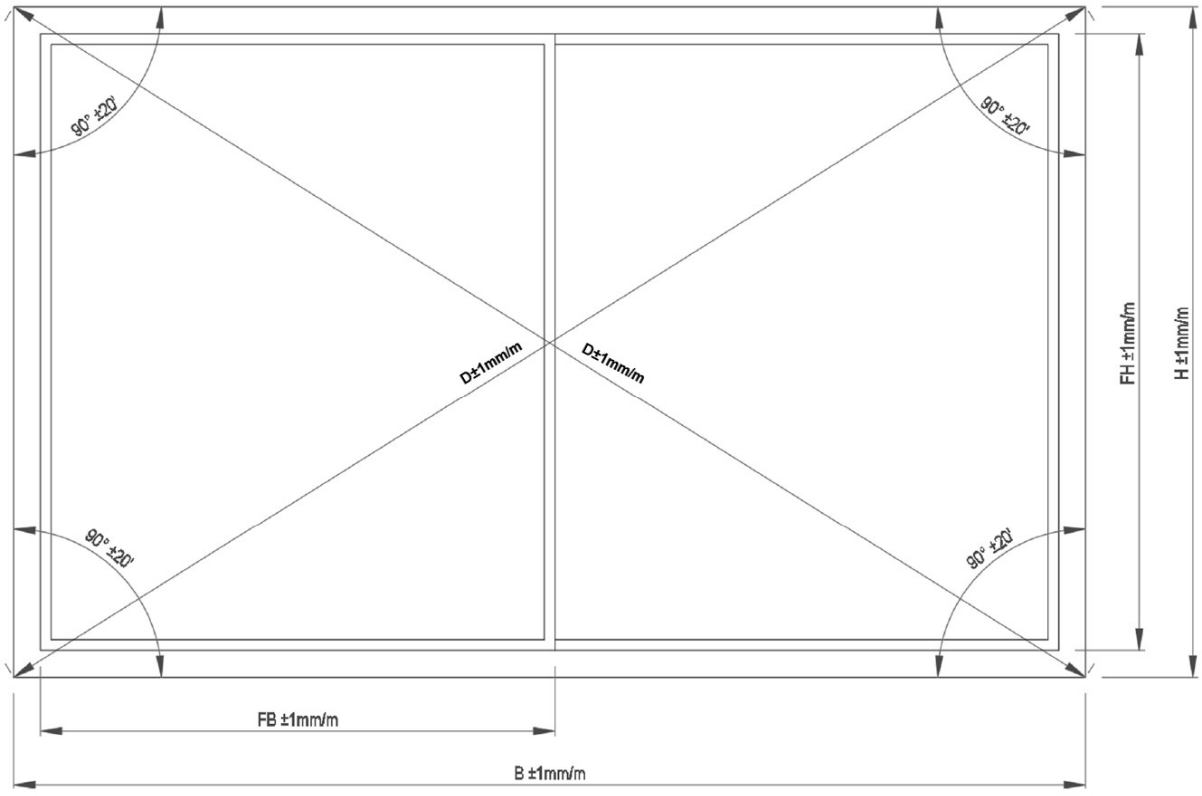
1. Coupe correcte : couper la brosse avec les ciseaux spéciaux (art. n° 090.0121.UN) et couper le joint en onglet ou droit selon le type de liaison.
2. Installation des brosses : les brosses sont placées dans les rainures prévues à cet effet dans les profilés.
3. Collage : selon le type de liaison (droite), la brosse sera collée aux extrémités avec de la colle instantanée (Reynaglue art. n° 084.9107.--). Le collage est nécessaire pour empêcher la brosse de glisser.

c. Installation d'un joint en dessous et au-dessus du profilé d'inversion.

Pour obtenir une bonne étanchéité à l'eau et au vent, on prévoit un joint supplémentaire en dessous et au-dessus du profilé d'inversion :

- En bas art. n° 022.5550.04
- En haut art. n° 022.5606.04

II.1.2.5 Tolérances de fabrication



XQ: **ΔB – (ΔFB1 + ΔFB2) < 4mm**
XX: **ΔB – (ΔFB1 + ΔFB2) < 2mm**
XXQ/QXXQ: **ΔB – (ΔFB1 + ΔFB2 + ΔFB…) < 6mm**
XXX/XXXX: **ΔB – (ΔFB1 + ΔFB2 + ΔFB…) < 4mm**

ΔH – ΔFH < 2mm
Exemple 1:
XQ 3000mx2200m:
ΔB – (ΔFB1 + ΔFB2) = (+3) – ((-1) + (+1)) = +3 => 3 < 4 OK

Exemple 2:
XQ 3000mx2200m:
ΔB – (ΔFB1 + ΔFB2) = (+3) – ((-1) + (-1)) = +5 => 5 < 4 NOK

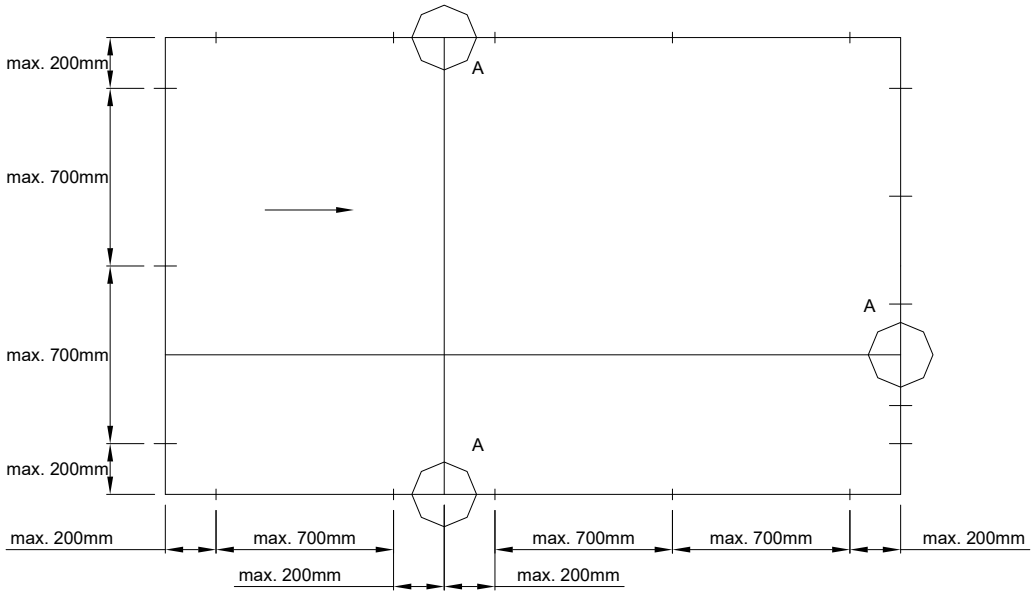
Exemple 3:
XQ 3000mx2200m:
ΔH – ΔFH < 2mm = (+2) – (+1) = +1 => 1 < 2 OK

II.2 INSTRUCTIONS DE MONTAGE

II.2.1 Encastrement dans le gros-œuvre

La fixation au gros-œuvre se fait directement à travers les profilés, par exemple avec des vis et chevilles, ou avec des ancrages de fixation.

a. Les fixations ne seront pas posées à moins de 40 mm de la paroi du gros-œuvre.
b. L'ancrage ne peut en aucun cas influencer la capacité portante des éléments de construction adjacents.
c. Tous les ancrages, s'ils ne sont pas en aluminium ou en inox, doivent être convenablement protégés de la corrosion. Ils ne peuvent entamer eux-mêmes l'aluminium.
d. Pour placer les éléments coulissants, on prévoit des fixations en suffisance :



e. Par côté, il faut au moins 2 fixations. La distance entre la dernière fixation et l'angle ne peut dépasser 200 mm.
f. La distance entre deux fixations ne dépassera pas 700 mm.
g. Aux endroits où une traverse intermédiaire ou un meneau rejoint un montant latéral ou une traverse haute ou basse, l'ancrage sera installé au maximum à 200 mm du point de jonction. (A).
De cette manière, la traverse intermédiaire et le meneau pourront voir leur longueur changer (sous l'effet d'une fluctuation de température) sans dommage.
h. Il est conseillé de disposer les fixations à hauteur de chaque point de fermeture.

Remarque : Les ancrages seront placés de manière à pouvoir absorber un éventuel tassement de l'élément coulissant.

Si on utilise des vis et chevilles à travers les profilés, on évitera de percer les chambres dans le bas du cadre fixe afin de prévenir les infiltrations d'eau à hauteur de cette fixation.

II.2.2 Installation des accessoires

Le choix des points de fixation, du nombre de points de fermeture, du poids maxi. de l'ouvrant, des dimensions maxi. de l'ouvrant, du profilé de l'ouvrant, etc., respectera les préconisations du fabricant de systèmes et d'accessoires.
Les éléments coulissants et mobiles seront lubrifiés à la graisse naturelle.
Au montage, on s'assurera que les accessoires fonctionnent avec fluidité et sans à-coups.

II.3 VITRAGE

Tous les systèmes Reynaers sont conçus pour un vitrage avec caoutchouc EPDM ou mastic silicone neutre. Dans le cas du silicone, il faut prévoir un adossement pour obtenir une ouverture correcte entre le panneau vitré et le cadre en aluminium. Nous vous recommandons d'utiliser nos caoutchoucs spécialement développés à cet effet. Le vitrage fonctionnera plus facilement, sans défauts, il sera plus durable, et les panneaux endommagés seront plus faciles à remplacer.

En ce qui concerne le vitrage, tenir compte des points suivants :

- En refoulant le caoutchouc, on évite des vides dans les angles.
- Pratiquer des orifices de drainage pour éviter l'accumulation d'eau (voir schémas de montage drainage).

Pose des panneaux vitrés

Les vitres ne peuvent entrer en contact avec l'aluminium. Toujours utiliser des supports de vitre et des caoutchoucs.
En calant la vitre, on évite non seulement ce contact, mais on obtient aussi un placement correct dans l'élément coulissant.
Le poids de la vitre est correctement transmis aux roues afin de prévenir une éventuelle déformation de l'ouvrant.

On distingue 3 types de supports de vitre :

B

Cales de support

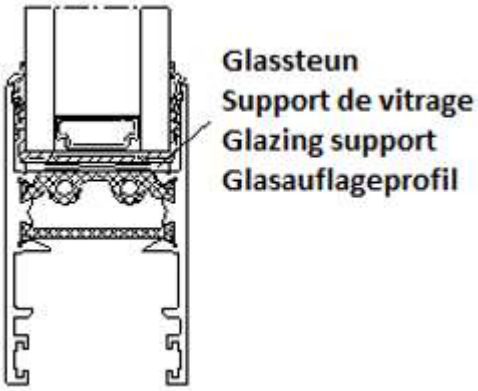
Cales d'ajustement

Cales de correction

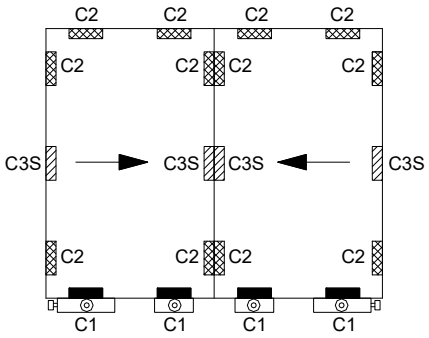
C1 : Cales de support
Ces cales transmettent le poids du verre à l'ouvrant ou à l'allège. Un placement correct est très important pour le bon fonctionnement des éléments coulissants.

C2 : Cales d'ajustement
Ces cales garantissent le positionnement du verre dans la feuillure. Elles sont appliquées sans forcer. Leur but est d'empêcher tout mouvement du verre dans son plan.

C3S : Cales de correction
Ces supports sont conçus pour limiter les tensions dans le verre, surtout au stade de l'installation. Ils sont mis en place sur Hv/2.



Les schémas suivants illustrent la position des cales de vitrage dans les différents types d'éléments coulissants.



Sur les ouvrants coulissants, le poids du verre doit être transféré aux roues. Il faut donc disposer les cales de support (C1) dans le bas au niveau des roues.
Sur les ouvrants fixes, le poids du verre doit être transféré à la pièce qui supporte l'ouvrant fixe. Il faut donc disposer les cales de support à hauteur de cette pièce.

B

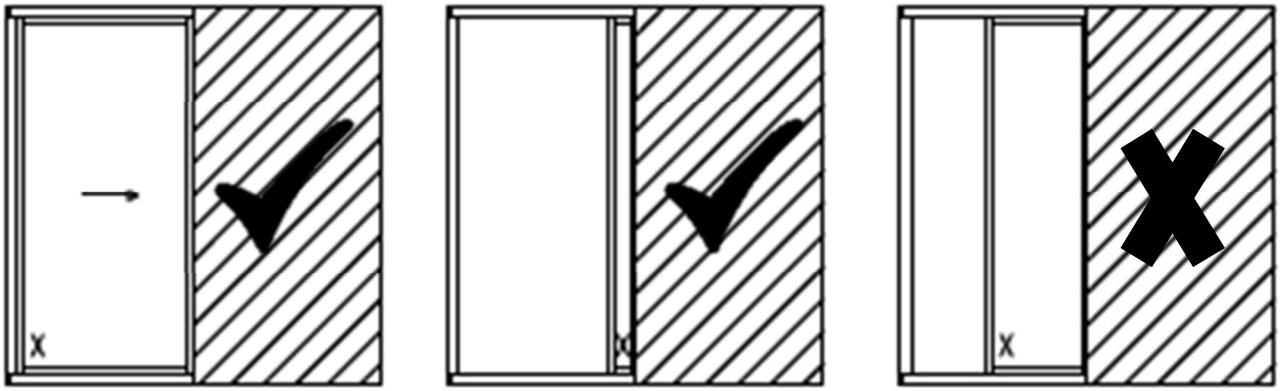
II.4 PROFILE OUVRANT RECOMMANDE

Profile ouvrant recommandé pour assurer optimal facilité d'utilisation :

POIDS DU VANTAIL	**PROFILE OUVRANT RECOMMANDE**
0-160 kg	CLASSIQUE OU GRAND PROFILE OUVRANT SANS POIGNEE CLASSIQUE OU GRAND PROFILE OUVRANT AVEC POIGNEE DANS LES BESOIN DES VANTAILS COULISSANT: 013.6300.XX 013.6301.XX 013.6312.XX 013.5312.XX 013.5303.XX 013.6310.XX 013.6311.XX 013.6313.XX 013.6340.XX 013.5313.XX 013.6400.XX 013.6401.XX 013.6410.XX 013.6411.XX 013.6342.XX 013.6344.XX
160-200 kg	CLASSIQUE PROFILE OUVRANT AVEC POIGNEE DANS LES BESOIN DES VANTAILS COULISSANT: 013.6400.XX 013.6401.XX 013.5312.XX
160-250 kg	GRAND PROFILE OUVRANT AVEC POIGNEE DANS LES BESOIN DES VANTAILS COULISSANT: 013.6410.XX 013.6411.XX 013.6342.XX 013.6344.XX 013.5313.XX

II.5 CONFIGURATIONS POCKET

Des contraintes d'origine thermique se produisent dans le verre lorsque le centre se réchauffe en raison de températures élevées et/ou de l'exposition au rayonnement solaire et que les bords du verre restent froids. Dans les solutions pocket, lorsque le ventail est partiellement ouvert, le risque de rupture thermique est fortement accru. Par conséquent, dans les solutions pocket, il est conseillé que toutes les ventails soient traitées thermiquement. Dans le cas d'un verre recuit, les ventails doivent être complètement fermés ou ouverts en cas de températures élevées et/ou de rayonnement solaire direct.



PROCESSING DATA

I. GENERAL

See catalogue “1.General information” (099.C01E.00 edition 11/2004)

II. PROCESSING DATA SLIM PATIO 68

II.1 FABRICATING PRESCRIPTIONS

In order to guarantee a perfect end product, the following guidelines should be adhered to during the production process.

II.1.1 Metal-removing operations

Metal-removing operations are understood to mean all mechanical operations such as sawing, milling, drilling, punching and cutting. For painted profiles it is essential that the paint coatings do not come off on the edges during these operations. Therefore it is very important for the quality of the connections that:

- The metal-removing tools are appropriate and sufficiently sharp.
- The machines are well adjusted (e.g. number of revolutions).
- The tools are regularly checked.
- The metal-removing tools are greased sufficiently and correctly:
  - Reynalube cutting grease block (art. no. 086.9191.UN) for saw blades.
  - Cutting spray (art. no. 086.9175.--) for punch tools.
  - Or the cooling agents and lubricants prescribed by the machine suppliers.
- The appropriate clamp blocks are used. (see assembly drawing “clamp blocks saw”)
- The cutting table is free of swarf and dust.
- Possible cooling is done by means of chemically neutral products which do not attack the surface treatment.

II.1.2 Assembly

We make the following subdivisions:

1. Corner connections;
2. T-brackets;
3. Drainage, aeration and recesses for the accessories;
4. Gaskets.

II.1.2.1 Corner connections

Steps:

a. Correct sawing of the outer frame profiles.
b. Applying screw holes vertical outer frame profile (_ 10mm; _ 5mm).
c. Double-saw or mill the vertical outer frame profile
d. Protection of the saw cuts and treated surfaces by:
   - Deburring (if necessary);
   - Removing dust and saw-dust on the saw cut and in the profile chamber;
   - Degreasing (Reynafinish 60 art. no 086.9210.--);
   - Applying Reynaprotector .
e. Sealing of the outer frame profile by applying a neutral sealing agent:
   - On the saw cuts;
   - On the fixing holes;
f. The sealing agent residue on the visible sides of the completed elements has to be removed by means of a nonaggressive product (Reynafinish 60 art.no. 086.9210.--).

Remarks:

To obtain a good sealing of the outer frame a closer should be fitted between the straight corner connection.

- 2-rail:
  - At bottom and top art. No 080.9727.04
  - At bottom art. no. 062.9321.04
- 3-rail:
  - At bottom and top art. no. 080.9728.04
  - At bottom art. no. 062.9322.04
- 1-rail:
  - At bottom and top art. no. 080.9729.04
  - At bottom art. no. 062.9323.04
- 2-rail Low Threshold:
  - At bottom art. no. 080.9734.04
  - On top art. no. 080.9727.04
- 3-rail Low Threshold:
  - At bottom art. no. 080.9735.04
  - On top art. no. 080.9728.04

B

II.1.2.2 T-brackets

Steps:

a. Correct sawing, milling, punching and drilling of the profile (see F-pages).
b. Protection of the saw cuts and treated surfaces by:
   - Deburring (if necessary);
   - Removing dust and saw-dust on the saw cut and in the profile chamber;
   - Degreasing (Reynafinish 60 art. no 086.9210.--);
   - Applying Reynaprotector on the cuttingsurfaces and Reynaers Anti-corro (art. no. 086.9606.--) on the millingsurfaces.
c. Sealing of the transom-mullion by applying a neutral sealing agent:
   - On the saw cuts;
   - On the fixing holes;
d. The sealing agent residue on the visible sides of the completed elements has to be removed by means of a non-aggressive product (Reynafinish 60 art.no. 086.9210.--).

II.1.2.3 Drainage and recesses for the accessories

Steps:

a. Marking of recesses.
b. Correct punching, drilling or milling.
c. Protection of the treated surfaces by:
   - Deburring (if necessary);
   - Removing dust and saw-dust on the saw cuts and in the profile chamber.
   - Degreasing (Reynafinish 60 art. no. 086.9210.--).
   - Applying Reynaers Anti-corro (art. no. 086.9606.--).

Special attentions should be paid to the following regarding drainage / aeration:
Possible infiltrating water must be drained smoothly under control and one must be sure that the profile's chambers remain at the atmospheric pressure.

For all sliding elements, drainage holes should be a maximum of 250 mm from the corner for the sliding panel and 150 mm for the outer frame. The maximum distance between 2 drainage holes is 800 mm.
Each glazed surface should be provided with min. 2 drainage holes!

All types of sliding elements should be provided with a drainage system in the sills and / or the horizontal transoms.
The minimum surface of these openings is 50 mm² per opening in the sliding panel, either a round opening of minimum 8 mm diameter, or elongated openings of minimum 5 mm by 15 mm. For the outer frame the minimum surface is 150 mm² per opening, either 3 round openings of minimum 8 mm diameter, or an elongated opening of minimum 8 mm by 34 mm.
Drainage holes which are visible on the outside of the sliding element are covered with drainage covers in synthetic material.

All sliding elements are provided with ventilation holes. Its function is to guarantee the pressure equalization around the glazing.
On the side at the top of the sliding panel at least 1 opening of minimum 5 mm should always be drilled.

Remark: For specific drainage we refer to pages 23.f. …

II.1.2.4 Gaskets

All gaskets are of EPDM resistant to weathering and ageing. They should be carefully applied since the tight sealing of the sliding elements depends on their correct application.

a. Applying the glazing gaskets/gaskets.

Steps:

1. Correct cutting: the glazing gasket should be cut with special gasket shears (art. no. 090.0121.UN) and can be cut straight or mitred according to the kind of profile connection. Extra overhanging (about 10 mm per meter) is required.
2. Application of the gasket: the gaskets are applied in the appropriate grooves within the profiles. They should be cut slightly longer than is necessary to compensate for any shrinkage that may occur. Difficulties in applying the gasket can be solved by the use of silicone spray (art. no. 086.9551.--).

b. Applying the brushes.

Steps:

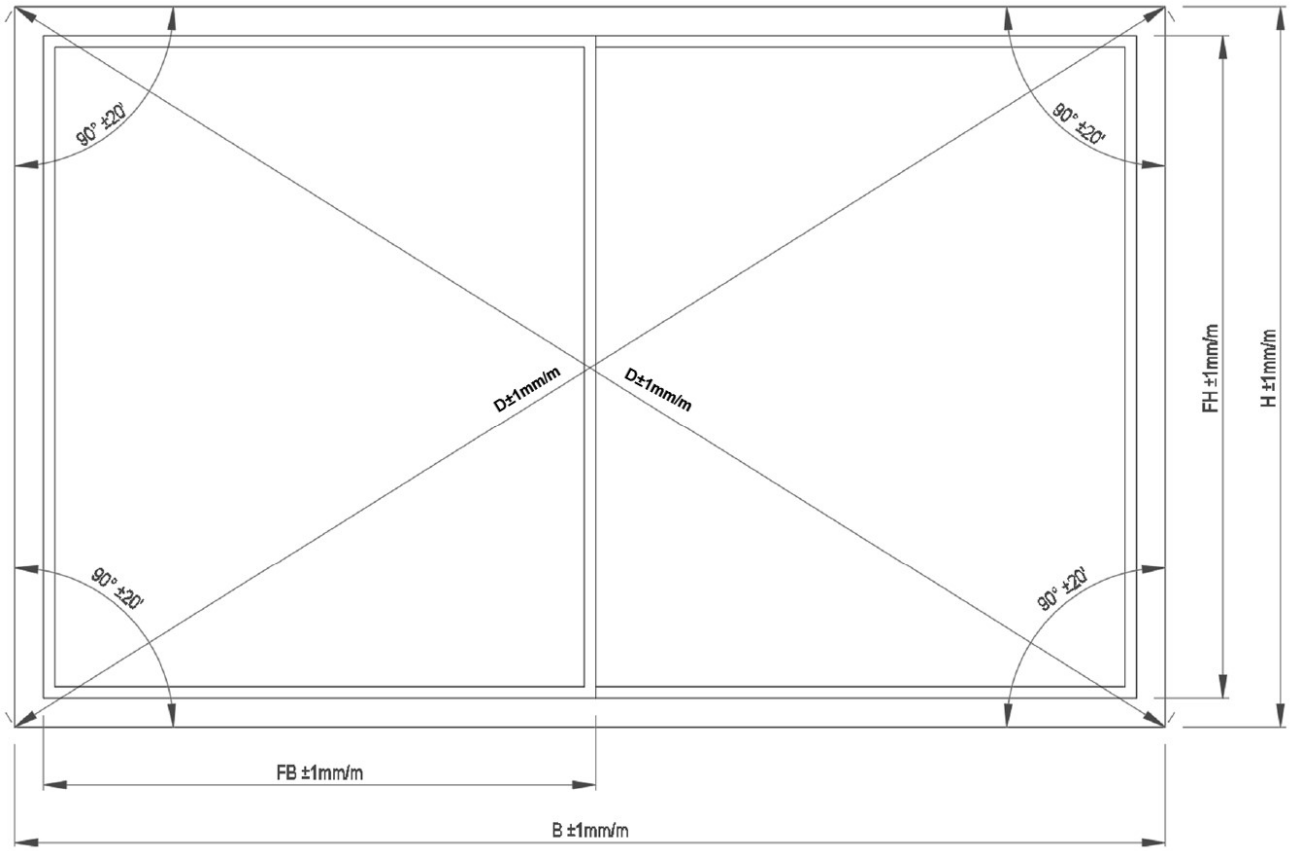
1. Correct cutting: the brush should be cut with special gasket shears (art. no. 090.0121.UN) and can be cut straight or mitred according the kind of profile connection.
2. Application of the brush: the brushes are applied in the appropriate grooves within the profiles.
3. Gluing: In function of the type of profile connection (straight), the brush should be glued at the ends with contact glue (Reynaglue art. no. 084.9107.--). This gluing is necessary to avoid the slipping away of the brush.

c. Applying a closer at the bottom and the top of the meeting section

To obtain a good water tightness, an extra closer should be fitted at the bottom and top of the meeting section:

- At bottom art. no. 022.5550.04
- At top art. no. 022.5606.04

II.1.2.5 Fabrication tolerances



XQ: **ΔB – (ΔFB1 + ΔFB2) < 4mm**
XX: **ΔB – (ΔFB1 + ΔFB2) < 2mm**
XXQ/QXXQ: **ΔB – (ΔFB1 + ΔFB2 + ΔFB…) < 6mm**
XXX/XXXX: **ΔB – (ΔFB1 + ΔFB2 + ΔFB…) < 4mm**

ΔH – ΔFH < 2mm

Example 1:
XQ 3000mx2200m:
ΔB – (ΔFB1 + ΔFB2) = (+3) – ((-1) + (+1)) = +3 => 3 < 4 OK

Example 2:
XQ 3000mx2200m:
ΔB – (ΔFB1 + ΔFB2) = (+3) – ((-1) + (-1)) = +5 => 5 < 4 NOK

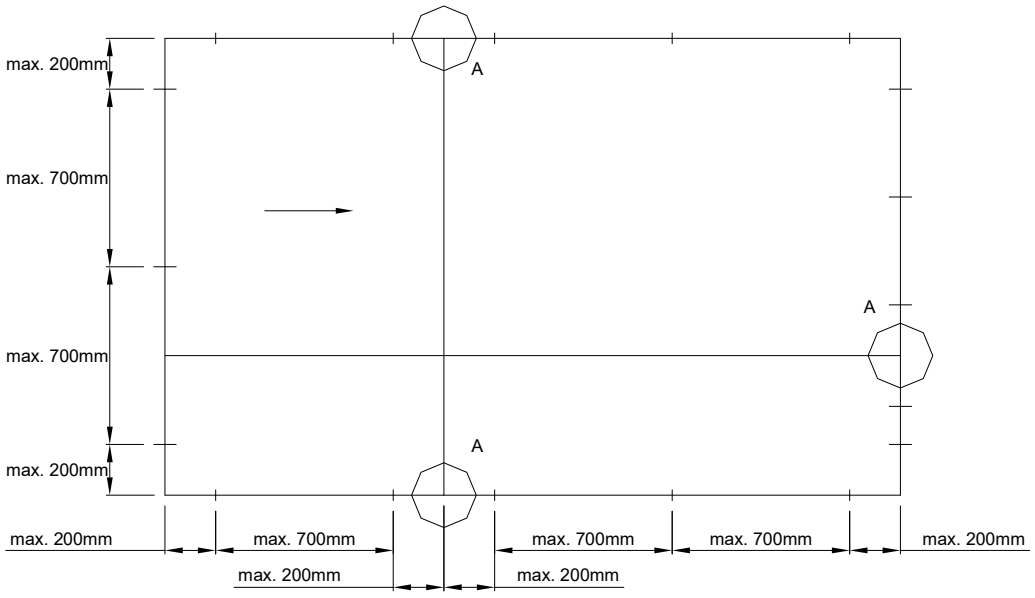
Example 3:
XQ 3000mx2200m:
ΔH – ΔFH < 2mm = (+2) – (+1) = +1 => 1 < 2 OK

II.2 FITTING

II.2.1 Fitting in the structural work

The fixing to the structural work is done either directly through the profiles by means of for instance screws and plugs, or by means of fixing lugs.

a. The fixings may not be applied less than 40 mm of the wall of the structural work.
b. The anchoring may in no way influence the bearing power of the adjacent building parts.
c. All anchoring, as far as they are not made of Aluminium or stainless steel, should be adequately corrosion-protected and may not attack the Aluminium themselves.
d. When fitting the sliding elements, sufficient fixings are required:



e. At least two fixings should be applied on all sides; the maximum distance to the corner is 200 mm.
f. The distance between the fixings is maximum 700 mm.
g. Where transom/mullions and outer frame profiles meet, the fixing must be applied maximum 200 mm from both sides of the transom/mullion (A).
In this way, expansion and shrinkage of the transom/mullion (because of fluctuations of temperature) are possible without any damage.
h. We recommend to position the fixings at the height of each locking point.

Remark: The anchoring should be applied in such a way that possible expansion / shrinkage of the sliding element is not obstructed.

When screws and plugs are used directly through the profiles, the chambers in the bottom outer frame may not be pierced to avoid water infiltration at the height of this fixing.

II.2.2 Fitting of the accessories

The choice of the fixing points, number of locking points, max. Weight of the sliding panel, max. Sizes of the sliding panel, panel profile used etc. depends on the instructions of the system supplier and the accessory producer.
Sliding and moving parts should be provided with neutral grease.
When fitting, please check whether all accessories can be operated easily and without getting stuck.

II.3 GLAZING

Reynaers' systems are designed for EPDM gasket or neutral silicone glazing. In case of silicone glazing a backing rod should be applied to create a correct opening between the glass panel and the aluminium frame. For easy and reliable fitting, durability and reglazing simplicity, we recommend using only Reynaers' gaskets - specially adapted for our profiles.

The following precautions should be taken when fitting the glazing:

- Cut the glazing gaskets slightly longer than is necessary to avoid openings in the corners at a later stage.
- Drainage holes should be drilled to avoid a build-up of moisture (see assembly drawing 'drainage').

Fitting of the glass panels

Glass panels should not come into contact with the aluminium frame; always use glazing blocks and gaskets.
Wedging prevents this contact and also ensures correct positioning of the glass in the frame, distributing the weight equally onto the rollers to avoid deformation.

There are 3 types of glazing blocks:

Support block

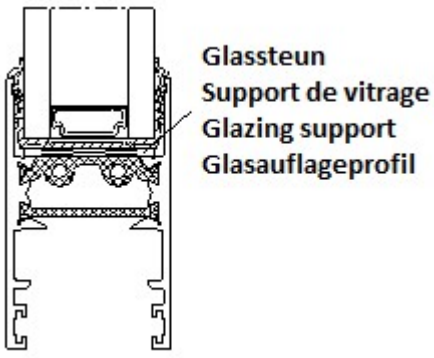
Adjusting block

Correcting block

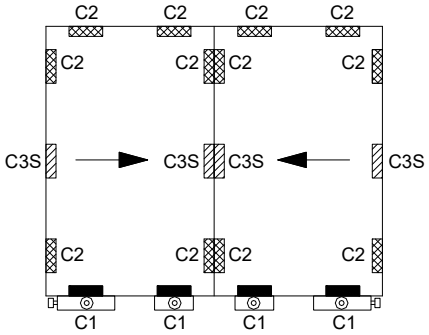
C1: Support blocks
These support blocks distribute the weight of the glass onto the sliding panel. Correct positioning is very important for the sliding panel to function correctly.

C2: Adjusting blocks
These blocks guarantee the correct positioning of the glass between the rebates. They must be positioned without twisting or damaging the profile. Adjusting blocks also prevent the glass panels from moving.

C3S: Correcting blocks
These blocks are used to limit stress or vent, especially during handling or working operations. These blocks are placed at Hv/2.



The following sketches indicate the different glazing blocks in different types of sliding elements.

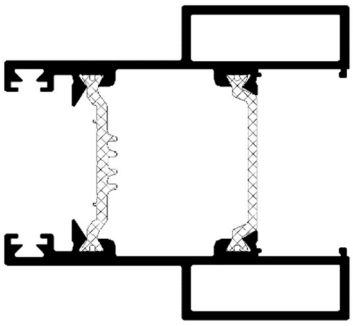


The glass weight of sliding panels should be distributed equally onto the rollers. The support blocks (C1) should consequently be fitted at the height of the rollers. The glass weight of fixed panels should be distributed onto the support piece of the fixed panel. The support blocks (C1) should consequently be fitted at the height of the support piece.

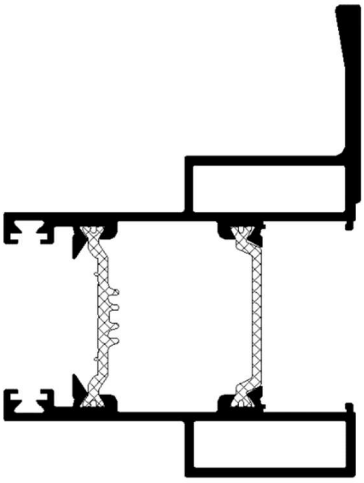
II.4 RECOMMENDED VENT PROFILES

Recommended vent profiles for optimal ease of use:

WEIGHT OF THE VENT	RECOMMENDED VENT PROFILES
0-160 kg	STANDARD OR LARGE VENT PROFILE WITHOUT HANDLE STANDARD OR LARGE VENT PROFILE WITH HANDLE FOR SLIDING VENTS: 013.6300.XX 013.6301.XX 013.6312.XX 013.5312.XX 013.5303.XX 013.6310.XX 013.6311.XX 013.6313.XX 013.6340.XX 013.5313.XX 013.6400.XX 013.6401.XX 013.6410.XX 013.6411.XX 013.6342.XX 013.6344.XX
160-200 kg	STANDARD VENT PROFILE WITH HANDLE FOR SLIDING VENTS: 013.6400.XX 013.6401.XX 013.5312.XX
160-250 kg	LARGE VENT PROFILE WITH HANDLE FOR SLIDING VENTS: 013.6410.XX 013.6411.XX 013.6342.XX 013.6344.XX 013.5313.XX

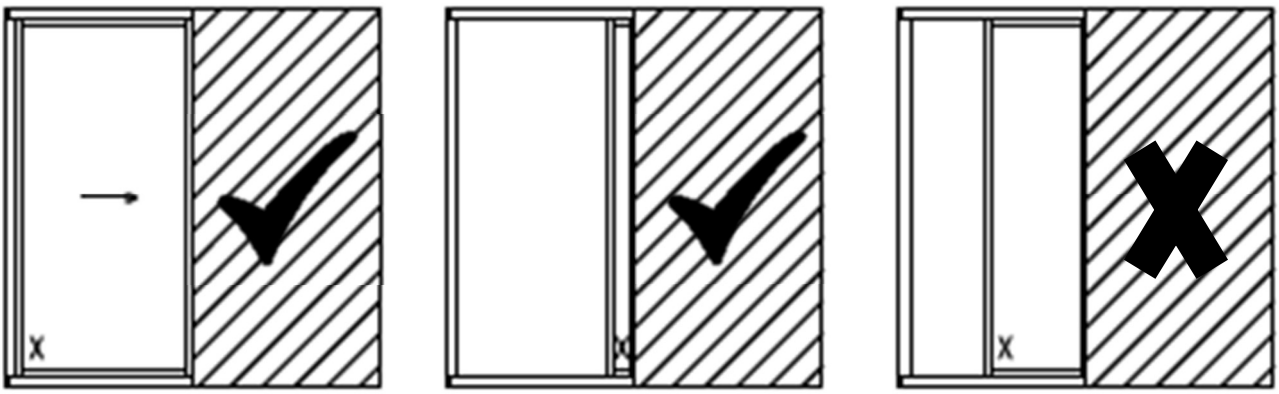


WEIGHT OF THE VENT > 160kg



II.5 POCKET CONFIGURATION

Thermally induced stresses occur in glass when the center heats up due to high temperatures and/or exposure to solar radiation and the edges of the glass stay cool. In pocket solutions, when the vent is partially open, the risk of thermal breakage is highly increased. Hence, in pocket solutions, it is advised that all glass sheets are heat treated. In case of annealed glass, the pocket vents should be either completely closed or open at high temperatures and/or direct solar radiation.



VERARBEITUNGSVORSCHRIFTEN

I. ALLGEMEINES

Siehe Katalog „1. Allgemeine Informationen“ (089.C01E.00 Ausgabe 11/2004)

II. VERARBEITUNGSANLEITUNG SLIM PATIO 68

II.1 KONSTRUKTIONSVORSCHRIFTEN

Um ein dauerhaft perfektes Endprodukt zu gewährleisten, müssen bei der Verarbeitung die folgenden Regeln beachtet werden.

II.1.1 Spanende Bearbeitung

Unter spanender Bearbeitung versteht man: alle mechanischen Bearbeitungsvorgänge wie Sägen, Fräsen, Bohren, Stanzen und Schneiden. Bei lackierten Profilen ist entscheidend, dass sich die Lackschichten an den Rändern bei diesen Bearbeitungsvorgängen nicht lösen.
Für die Qualität der Verbindungen ist deshalb sehr wichtig, dass folgende Anforderungen erfüllt sind:
- Das Spanwerkzeug ist geeignet und ausreichend scharf.
- Die Maschinen sind richtig eingestellt (z. B. Drehzahl).
- Das Werkzeug wird regelmäßig kontrolliert.
- Das Spanwerkzeug wird korrekt und ausreichend geschmiert mit:
  - Schmierstift Reynalube (Art.-Nr. 086.9191.UN) für Sägeblätter.
  - Schneidmittel (Art.-Nr. 086.9175.UN) für Stanzwerkzeuge.
  - Oder mit den vom Maschinenlieferanten vorgeschriebenen Kühl- und Schmiermitteln.
- Geeignete Klemmblöcke werden verwendet (siehe Montagezeichnung „Klemmblöcke“).
- Der Zu- und Abführtisch ist frei von Spänen und Verunreinigungen.
- Zur ggf. notwendigen Kühlung werden chemisch neutrale Produkte verwendet, die die Oberflächenbehandlung nicht angreifen.

Position/Einspannen der Profile beim Sägen:
Die Position der Profile auf dem Sägetisch beim Sägen ist sehr wichtig und bildet die Grundlage für perfekte Gehrungen nach dem Einsetzen der Schiebeelemente.
Der stärkste Druck muss immer auf die „Referenzseite“ der Profile ausgeübt werden.
Die „Referenzseite“ muss völlig waagerecht oder senkrecht auf dem Sägetisch liegen.
Klemmblöcke müssen verwendet werden:
a. um zu vermeiden, dass das Spiel an den Profilen die Qualität der Gehrung beeinträchtigt;
b. um ein Umkippen der Profile auf dem Tisch zu verhindern.

II.1.2 Montage

Wir untergliedern die Montage wie folgt:
1. Eckverbindungen;
2. T-Verbindungen und Kreuzverbindung;
3. Entwässerung, Entlüftung und Aussparungen für Beschläge;
4. Dichtungen;

II.1.2.1 Eckverbindungen

Schritte:
a. Korrektes Sägen der Außenrahmenprofile.
b. Schraubenlöcher in die senkrechten Außenrahmenprofile (_10mm; _5mm) bohren.
c. Die senkrechten Außenrahmenprofile sägen oder fräsen
d. Die Sägeschnitte und bearbeiteten Flächen sind zu schützen durch:
   - Entgraten (falls erforderlich).
   - Entfernen von Staub und Sägeresten auf dem Sägeschnitt und in der Profilkammer;
   - Entfetten (Reynafinish 60 Art.-Nr. 086.9210.--).
   - Auftragen von Reynaprotector
e. Abdichten des Außenrahmenprofils durch Auftrag eines neutralen, elastischen Dichtungsmittels:
   - auf den Sägeschnitten;
   - auf den Befestigungslöchern;

f. Die zusammengesetzten Elemente müssen an den Sichtflächen von Dichtungsresten gereinigt werden. Dafür darf ausschließlich ein nicht aggressives Mittel (Reynafinish 60, Art.-Nr. 086.9210.--) verwendet werden.

Anmerkungen:

Um eine gute Abdichtung des Außenrahmens zu erhalten, muss ein zusätzliches Dichtungsstück an der rechtwinkligen Eckverbindung angebracht werden.

- 2 schienen:
  unten und oben Art.-Nr. 080.9727.04
  unten Art.-Nr. 062.9321.04
- 3 schienen:
  unten und oben Art.-Nr. 080.9728.04
  unten Art.-Nr. 062.9322.04
- 1 schiene:
  unten und oben Art.-Nr. 080.9729.04
  unten Art.-Nr. 062.9323.04
- 2-rail Low Threshold:
  unten Art.-Nr. 080.9734.04
  oben Art.-Nr. 080.9727.04
- 3-rail Low Threshold:
  unten Art.-Nr. 080.9735.04
  oben Art.-Nr. 080.9728.04

II.1.2.2 T-Verbindungen

Schritte:

a. Korrektes Schneiden, Fräsen, Stanzen und Bohren des T-Profils (siehe F-Seiten).
b. Schutz von Sägeschnitten und bearbeiteten Flächen durch:
   - Entgraten (falls erforderlich);
   - Entfernen von Staub und Sägeresten auf dem Sägeschnitt und in der Profilkammer;
   - Entfetten (Reynafinish 60 Art.-Nr. 086.9210.--).
   - Auftragen von Reynaprotector auf Sägeschnitte und Reynaers Anti-corro (Art.-Nr. 086.9606.--) auf Frässchnitte.
c. Abdichten des T-Profils durch Auftrag eines neutralen, elastischen Dichtungsmittels:
   - auf den Sägeschnitten;
   - auf den Befestigungslöchern;
d. Die zusammengesetzten Elemente müssen an den Sichtflächen von Dichtrückständen gereinigt werden. Dafür darf ausschließlich ein nicht aggressives Mittel (Reynafinish 60, Art.-Nr. 086.9210.--) verwendet werden.

II.1.2.3 Entwässerung, Entlüftung und Aussparungen für Beschläge

Schritte:

a. Aussparungen anzeichnen.
b. Korrekt stanzen, bohren oder fräsen.
c. Die bearbeiteten Flächen schützen durch:
   - Entgraten (falls erforderlich).
   - Entfernen von Staub und Sägeresten auf dem Sägeschnitt und in der Profilkammer.
   - Entfetten (Reynafinish 60 Art.-Nr. 086.9210.--).
   - Auftragen von Reynaers Anti-corro (Art.-Nr. 086.9606.--)

Zu beachtende Punkte bei der Entwässerung/Entlüftung:
Eventuell eindringendes Wasser muss schnell und kontrolliert abfließen können, und der Druck in den Innenkammern muss gleich dem Druck der Außenluft bleiben.

Für jedes Schiebeelement sind Entwässerungsöffnungen mit einem maximalen Abstand von 250 mm von der Ecke für den Fensterflügel und 150 mm für den festen Rahmen vorgesehen. Der Abstand zwischen 2 Entwässerungsöffnungen beträgt max. 800 mm.
Für jedes Fensterfeld sind mind. 2 Entwässerungsöffnungen vorzusehen!

Schiebeelemente aller Art müssen in den Unterkämpfern und/oder waagerechten T-Profilen mit einem Entwässerungssystem versehen sein. Die Mindestfläche dieser Entwässerungsöffnungen ist 50 mm² je Öffnung im Fensterflügel, entweder eine runde Öffnung mit mindestens 8 mm Durchmesser oder eine längliche Öffnung mit mindestens 5 mm x 15 mm. Für den festen Rahmen beträgt die Mindestfläche 150 mm² pro Öffnung, entweder 3 runde Öffnungen mit mind. 8 mm Durchmesser oder eine längliche Öffnung mit mindestens 8 mm x 34 mm. Entwässerungsöffnungen, die an der Außenseite des Schiebeelements sichtbar sind, werden mit Kunststoffkappen abgedeckt.

Für jedes Schiebeelement werden Entlüftungsöffnungen vorgesehen. Ihre Funktion ist es, den Druckausgleich um die Verglasung zu gewährleisten.
An der Seite oben am Fensterflügel wird immer mindestens eine mindestens 5 mm große Öffnung gebohrt.
Anmerkung: Für spezifische Entwässerungen siehe Seite 23.F. …

II.1.2.4 Dichtungen

Alle Dichtungsgummis bestehen aus witterungs- und alterungsbeständigem EPDM. Ihre Verarbeitung muss sorgfältig ausgeführt werden, da davon die Dichtigkeit des Schiebeelementes abhängt.

a. Anbringen der Verglasungsdichtungen/anderen Dichtungen
Schritte:

1. Korrektes Zuschneiden: Die Verglasungsdichtung ist mit einer speziellen Schere (Art. -Nr. 090.0121.UN) zuzuschneiden. Je nach Art der Profilverbindung kann die Dichtung mit Gehrung oder gerade zugeschnitten werden.
   Die erforderliche Überlänge (ca. 10 mm pro Meter) muss vorgesehen werden.
2. Anbringen der Dichtungen: Die Dichtungen werden in die für sie vorgesehenen Nuten in den Profilen eingesetzt. Die Überlänge wird leicht gestaucht, um Ausdehnung oder Schrumpfung aufzufangen. Falls beim Einsetzen Schwierigkeiten auftreten, kann ein Silikonspray (Art.-Nr. 086.9551.--) verwendet werden.

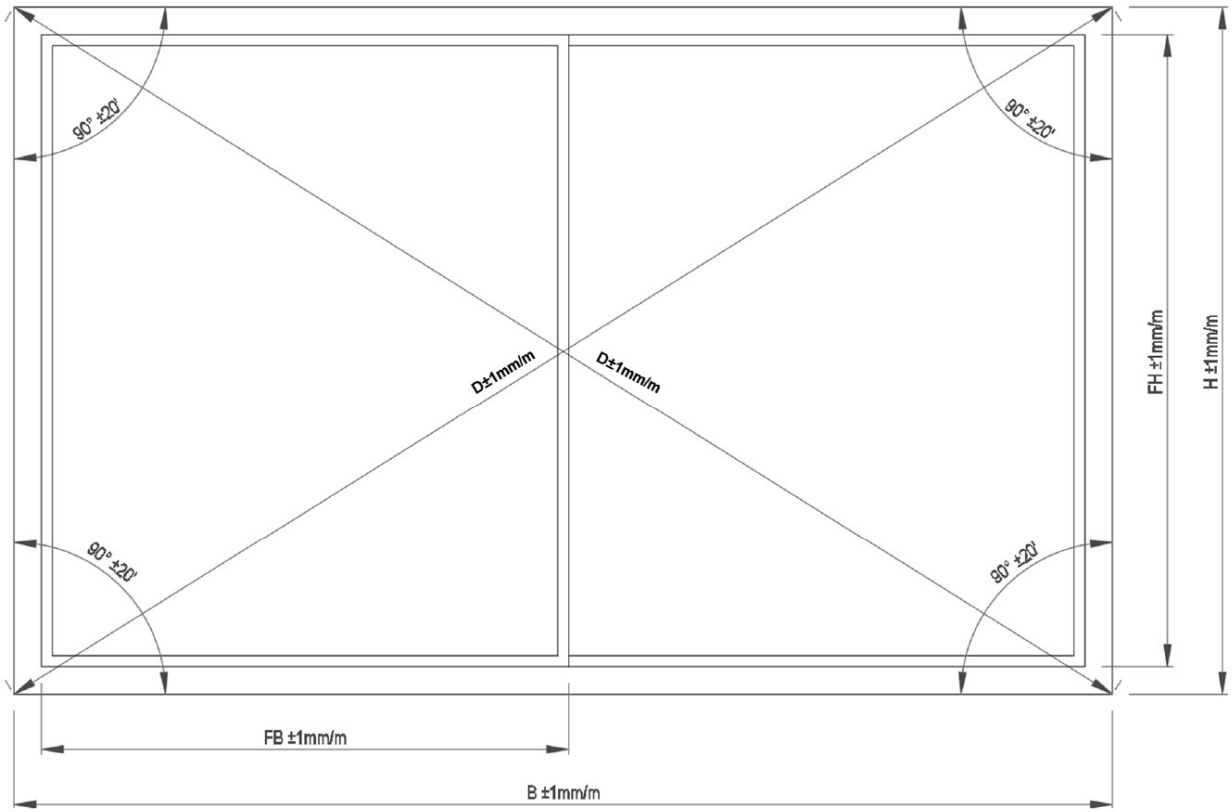
b. Anbringen der Bürstendichtungen
Schritte:

1. Korrektes Zuschneiden: Die Bürstendichtung muss mit einer speziellen Schere (Art.-Nr. 090.0121.UN) zugeschnitten werden. Die Dichtung kann je nach Art der Profilverbindung mit Gehrung oder gerade zugeschnitten werden.
2. Anbringen der Bürstendichtungen: Die Bürstendichtungen werden in die für sie vorgesehenen Nuten in den Profilen eingesetzt.
3. Verkleben: Je nach Art der Profilverbindung (gerade) muss die Bürstendichtung an den Enden mit Sekundenkleber (Reynaglue Art.-Nr. 084.9107.--) verklebt werden. Diese Verklebung ist notwendig, um dem Verrutschen der Bürstendichtung vorzubeugen.

c. Anbringen einer Dichtung oben und unten am Wechselprofil
Um eine gute Wasser- und Winddichtigkeit zu erreichen, muss am oberen und unteren Rand des Wechselprofils eine zusätzliche Dichtung angebracht werden:

- unten Art.-Nr. 022.5550.04
- oben Art.-Nr. 022.5606.04

II.1.2.5 Fertigungstoleranzen



XQ: **ΔB – (ΔFB1 + ΔFB2) < 4mm**
XX: **ΔB – (ΔFB1 + ΔFB2) < 2mm**
XXQ/QXXQ: **ΔB – (ΔFB1 + ΔFB2 + ΔFB…) < 6mm**
XXX/XXXX: **ΔB – (ΔFB1 + ΔFB2 + ΔFB…) < 4mm**

ΔH – ΔFH < 2mm
Beispiel 1:
XQ 3000mx2200m:
ΔB – (ΔFB1 + ΔFB2) = (+3) – ((-1) + (+1)) = +3 => 3 < 4 OK

Beispiel 2:
XQ 3000mx2200m:
ΔB – (ΔFB1 + ΔFB2) = (+3) – ((-1) + (-1)) = +5 => 5 < 4 NOK

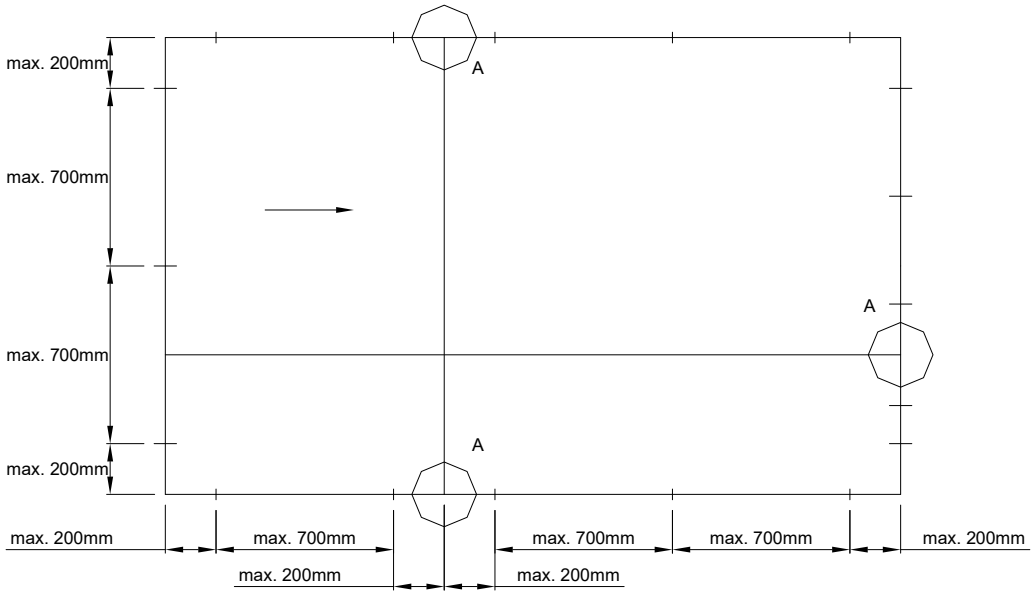
Beispiel 3:
XQ 3000mx2200m:
ΔH – ΔFH < 2mm = (+2) – (+1) = +1 => 1 < 2 OK

II.2 MONTAGEANLEITUNG

II.2.1 Einbau in den Rohbau

Die Befestigung am Rohbau erfolgt entweder direkt durch die Profile mit z. B. Schrauben oder Dübeln, oder mit Hilfe von Befestigungsankern.

a. Die Befestigungen dürfen nicht weniger als 40 mm von der Wand des Rohbaus entfernt angebracht werden.
b. Die Verankerung darf die Tragfähigkeit der angrenzenden Gebäudeteile nicht beeinträchtigen.
c. Alle Verankerungen, außer aus Aluminium oder Edelstahl, müssen ausreichend gegen Korrosion geschützt sein und dürfen das Aluminium selbst nicht beschädigen.
d. Beim Einbauen der Schiebeelemente werden ausreichend Befestigungselemente vorgesehen:



e. An allen Seiten müssen mindestens 2 Befestigungselemente mit einem Abstand von max. 200 mm von der Ecke angebracht werden.
f. Der Abstand zwischen den Befestigungselementen beträgt nicht mehr als 700 mm.
g. An Stellen, wo ein Zwischenkämpfer oder Zwischenpfosten an den senkrechten Rahmen bzw. den Ober- oder Unterkämpfer anschließt, muss die Verankerung in maximal 200 mm Entfernung neben dem Pfosten- oder Kämpferanschluss angebracht werden. (A).
Dadurch wird sichergestellt, dass sich der Zwischenkämpfer und der Zwischenpfosten (durch Temperaturschwankungen) in der Länge verändern können, ohne dass Schäden auftreten.
h. Es wird empfohlen, die Befestigungselemente an jedem Anschlusspunkt zu positionieren.

Anmerkung: Die Verankerungen müssen so angebracht werden, dass sie eine mögliche Ausdehnung oder Schrumpfung des Schiebeelementes auffangen können.

Bei Verwendung von Schrauben und Dübeln durch die Profile dürfen die Kammern im unteren festen Rahmen nicht durchbohrt werden, damit kein Wasser in Höhe dieser Befestigung eindringen kann.

II.2.2 Einbau des Beschlags

Die Auswahl von Befestigungspunkten, der Anzahl der Schließpunkte, des max. Flügelgewichts, der max. Flügelmaße, des Flügelprofils etc. ist nach den Vorgaben des Systemlieferanten und des Beschlagherstellers durchzuführen.
Auf gleitende und bewegliche Teile muss ein neutrales Fett aufgetragen werden.
Bei der Montage kontrollieren, ob der Beschlag leichtgängig zu bedienen ist.

II.3 VERGLASUNG

Alle Reynaers-Systeme sind zur Verglasung mit EPDM-Kautschuk oder neutralem Silikonkitt ausgelegt. Für die Silikonverglasung ist eine Rückfüllung vorzusehen, um eine korrekte Öffnung zwischen Glasscheibe und Aluminiumrahmen zu erhalten. Wir empfehlen, unsere speziell entwickelten Glasdichtungen zu verwenden. Dadurch verläuft die Verglasung schneller und zuverlässiger, ist langlebiger, und beschädigte Glasscheiben können leichter ausgetauscht werden.

Bei der Verglasung sind folgende Punkte zu beachten;

- Durch Stauchen des Gummis wird vermieden, dass später Öffnungen in den Ecken entstehen.
- Zur Vermeidung von Wasseransammlungen müssen Abflusslöcher gebohrt werden (siehe Montagezeichnungen, Wasserabfluss).

Einsetzen der Glasscheiben

Die Glasscheiben dürfen nicht mit dem Aluminium in Berührung kommen; immer Glasauflagen und Glasdichtungen verwenden.
Durch Verkeilen des Glases wird nicht nur diese Berührung vermieden, sondern auch eine richtige Positionierung im Schiebeelement und eine korrekte Übertragung des Glasgewichts auf die Laufrollen erreicht, um einer möglichen Verformung des Fensterflügels vorzubeugen.

B

Es gibt 3 Arten von Glasauflagen:

Tragklötze

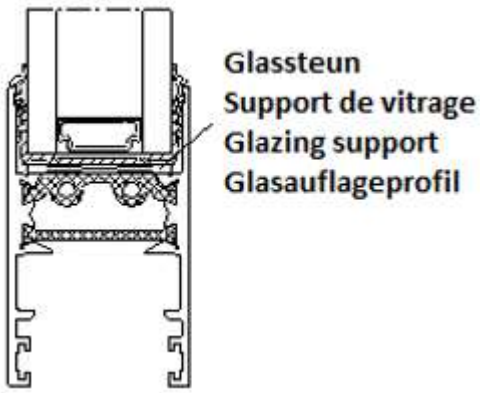
Distanzklötze

Korrekturklötze

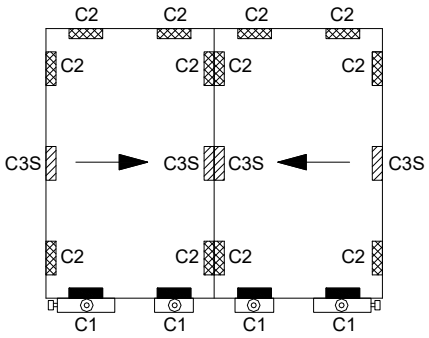
C1: Tragklötze
Diese Klötze übertragen das Glasgewicht auf den Fensterflügel bzw. den Fensterrahmen. Ihre richtige Positionierung ist für die einwandfreie Funktion der Schiebeelemente sehr wichtig.

C2: Distanzklötze
Diese Klötze sorgen für die Positionierung des Glases im Falz. Sie werden ohne Kraftanwendung angebracht. Ihre Aufgabe ist, jede Bewegung des Glases in seiner Ebene auszuschließen.

C3S: Korrekturklötze
Diese Glasauflagen sollen die Spannungen im Glas begrenzen, insbesondere während der Bewegung des Elementes. Diese Glasauflagen werden in Hf/2 angebracht.



Die folgenden Skizzen zeigen die Position der Verglasungsklötze in den verschiedenen Arten von Schiebeelementen.



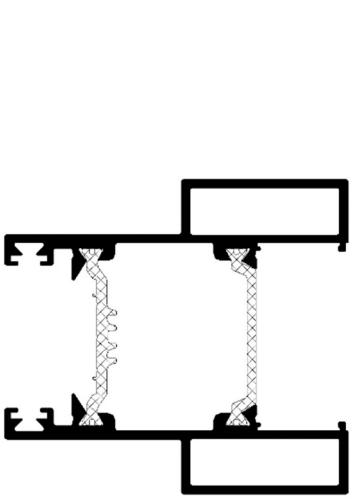
Bei Schiebeflügeln muss das Glasgewicht auf die Laufrollen übertragen werden. Die Tragklötze (C1) müssen deshalb an der Unterseite in Höhe der Laufrollen angebracht werden.
Bei starren Flügeln muss das Glasgewicht auf das Tragstück des festen Fensterflügels übertragen werden. Die Tragklötze müssen deshalb in Höhe des Tragstücks angebracht werden.

B

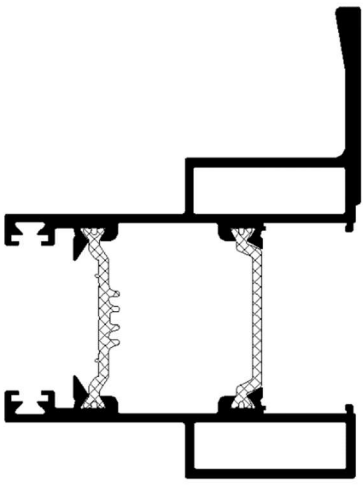
II.4 EMPFOHLEN FLUEGELPROFILEN

Empfohlen fluegelprofilen für optimal Benutzerfreundlichkeit:

FLUEGELGEWICHT	EMPFOHLEN FLUEGELPROFILEN
0-160 kg	STANDARD ODER GROB FLUEGELPROFILEN OHNE GRIFF STANDARD ODER GROB FLUEGELPROFILEN MIT GRIFF FUR SCHEIBEFLUEGEL: 013.6300.XX 013.6301.XX 013.6312.XX 013.5312.XX 013.5303.XX 013.6310.XX 013.6311.XX 013.6313.XX 013.6340.XX 013.5313.XX 013.6400.XX 013.6401.XX 013.6410.XX 013.6411.XX 013.6342.XX 013.6344.XX
160-200 kg	STANDARD FLUEGELPROFILEN MIT GRIFF FUR SCHEIBEFLUEGEL: 013.6400.XX 013.6401.XX 013.5312.XX
160-250 kg	GROB FLUEGELPROFILEN MIT GRIFF FUR SCHEIBEFLUEGEL: 013.6410.XX 013.6411.XX 013.6342.XX 013.6344.XX 013.5313.XX



FLUEGELGEWICHT > 160kg



II.5 POCKET KONFIGURATIONEN

Thermisch induzierte Spannungen treten im Glas auf, wenn sich die Mitte durch hohe Temperaturen und/oder Sonneneinstrahlung erwärmt und die Kanten des Glases kühl bleiben. Bei Pocket Konfigurationen ist das Risiko eines thermischen Bruchs stark erhöht, wenn der Flügel teilweise geöffnet ist. Daher ist es bei Pocket Konfigurationen ratsam, dass alle Glasscheiben wärmebehandelt sind. Bei geglühtem Glas sollten die Flügel bei hohen Temperaturen und/oder direkter Sonneneinstrahlung vollständig geschlossen oder geöffnet sein.

BIMETAAL EFFECT OP SCHUIFDEUREN

I. Omschrijving van bimetaal effect

Het bimetaal effect zal zich voordoen bij schuifdeuren als er een temperatuur verschil is tussen de binnen- en buitenhalfschaal van een thermisch geïsoleerd profiel. Dit is het geval voor plaatsen met een warm klimaat en voor plaatsen met een extreem koud klimaat. Het effect veroorzaakt door zonnestraling is veel doorslaggevender dan het waargenomen effect bij koude omstandigheden (temperaturen beneden de -20°C).

Voor schuifdeuren zijn twee types van het bimetaal effect gekend.
a. Opwarming van de holte: De profielen van de wisselprofiel sectie buigen naar elkaar als de vleugel geopend is.
b. Direct zonlicht: Buiging van de profielen in één richting

I.1 Opwarming van de holte

Als een schuifdeur geopend is, is er een holte tussen de twee glaspanelen. Als de zon deze holte opwarmt en de profielen een lichte kleur hebben (groep 7-14 zie I.2.1) zullen de wisselprofielen naar elkaar toe buigen. Als de deur gesloten wordt kunnen de PVC wisselprofielen elkaar beschadigen.

I.2 Direct zonlicht

Het vleugelprofiel aan de slotzijde (in open en gesloten positie) en de profielen van de wisselsectie (gesloten positie) zullen tijdelijk buigen als deze worden opgewarmd door direct zonlicht. De kleur van de profielen, de locatie en de oriëntatie van de schuifdeur hebben hierop een significante invloed. Het zonlicht is meer direct in oost en west georiënteerde gevels, ten gevolge van de verticale positie van de profielen en de lage stand van de zon in deze windrichtingen.

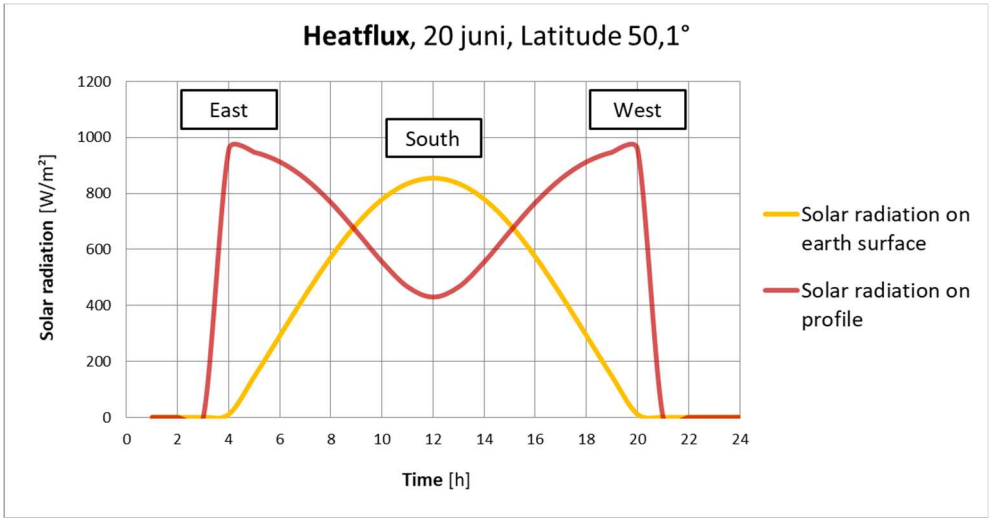


Figure 1: Zonlichtstraling op zomerdag

De werkelijke straling op de profielen zal beïnvloed worden door de situatie (b.v. omringende gebouwen, zonneweringen, bomen, wolken, atmosferische omstandigheden, enz.) die voor extra schaduw kan zorgen en moet geëvalueerd worden in functie van het project.

I.2.1 Stralingsopname: kleur afhankelijk

De kleur van het profiel beïnvloed de temperatuur van de buitenhalfschaal. De kleur bepaald de warmteopname. Hoe donkerder de kleur (groep 1), hoe kritieker. De verschillende kleuren zijn gegroepeerd gebaseerd op hun gedrag. De volgende kleurgroepen (RAL) zullen gelijkaardig gedrag vertonen.

1	5004 8022 9005	*Waarbij RAL 9005 – Jet Zwart*
2	3004 3005 3007 4007 5003 5008 5011 5013 5020 5022 6005 6007 6008 6009 6012 6022 7021 8014 8016 8017 8019 9004 9011 9017	
3	3003 3009 3011 5000 5001 5002 5010 6004 6006 6014 6015 6020 7016 7022 7024 7026 8011 8012 8015 8028	
4	3000 3001 3002 3013 3027 4002 4006 5005 5009 5017 5019 6002 6003 6016 6026 6028 7009 7010 7011 7013 7015 7043 8002 8003 8007 8008 8024	
5	2002 3016 3020 3031 4008 5007 5021 5023 6000 6001 6010 6025 6029 7006 7008 7012 7031 7039 8004 8025	
6	2001 3017 3018 4001 4005 4010 5014 5015 6011 6013 6017 6024 6032 7003 7005 8000 8001 8023	
7	1027 2004 2009 2010 2012 3022 4003 5012 5018 6018 6033 7000 7002 7023 7033 7034 7037 7046	
8	1005 1011 1019 1020 1024 2000 2008 2011 3012 3014 4009 5024 6021 7001 7030 7036 7042 7045	
9	1006 1007 2003 6034 7004 7040	
10	1001 1002 1012 1028 1033 1034 3015 6027 7032 7038 7044	
11	1000 1003 1017 1021 1023 6019 7035	
12	1014 1018 7047 9018	
13	1013 1015 1016	
14	9003 9010 9016	*Waarbij RAL 9016 – Verkeers Wit*

Tabel 1: Kleurgroepen

II. Verklaring van de grafieken

Het bimetaaleffect wordt beïnvloed door de **zonnestraling** op het profielopppervlak, de **temperatuur van de buitenlucht** en de **oriëntatie** van de schuifdeur.

Hieronder vindt u grafieken voor oost/west en zuid georiënteerde gevels, telkens voor twee verschillende buitentemperaturen. Selecteer de situatie die het nauwst bij uw locatie aansluit.

SELECTIESTAPPEN:

a. Grafieken voor de profielen met ingebouwd slot, gebaseerd op oriëntatie en temperatuur
b. Selecteer de grafiek die het best overeenstemt met de gemiddelde buitentemperatuur tijdens de zomer op de locatie in kwestie
c. Selecteer de oriëntatie van de gevel
d. Zoek de maatregelen op die genomen moeten worden om de tijdelijke vervorming als gevolg van het bimetaaleffect tot een minimum te beperken.
e. Raadpleeg het hoofdstuk ‘Oplossingen’ voor details over de vereiste afmetingen.

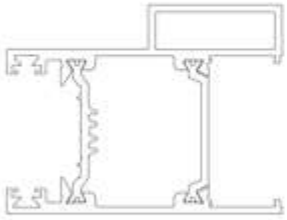
Voor een gemiddelde lucht temperatuur tot 25°C tijdens de zomermaanden, kiest u de grafieken met T_{ext} = 25°C. Voor een gemiddelde luchttemperatuur tussen 26-35°C in de zomer, selecteert u de grafieken met T_{ext} = 35°C. Voor hogere buitentemperaturen is een voor het project specifieke berekening vereist.

III. Oplossingen

III.1 Slot zijde – Standaard profielen

1

013.6312



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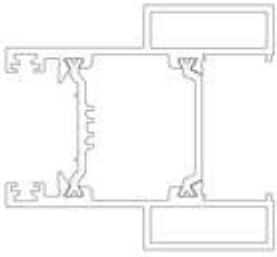

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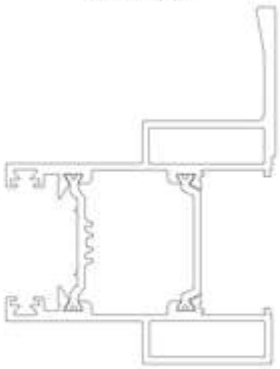
013.6400



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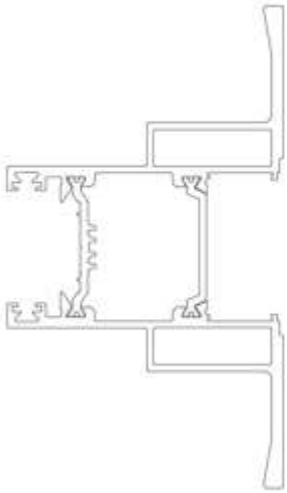

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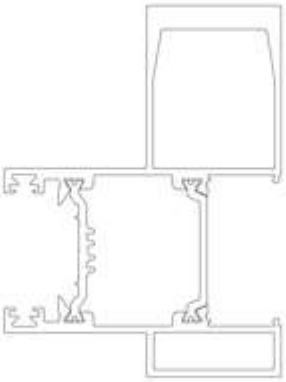

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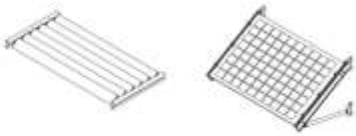

Directe zonnestraling op de profielen is niet raadzaam.
Reynaers heeft zonweringsystemen in zijn aanbod (BS30, BS100).

B

Gemiddelde buitentemperatuur in de zomer = 25°C

Oost/West orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	4	5	5	-	-	-	-	-
2	3	4	5	5	5	-	-	-	-
3	3	3	4	5	5	5	-	-	-
4	2	3	3	4	5	5	-	-	-
5	2	2	3	4	5	5	5	-	-
6	1	2	3	3	4	5	5	5	-
7	1	1	2	3	3	4	5	5	5
8	1	1	2	2	3	3	4	5	5
9	1	1	1	2	2	3	3	4	5
10	1	1	1	1	1	2	3	3	4
11	1	1	1	1	1	1	2	2	3
12	1	1	1	1	1	1	1	2	2
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Zuid orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	2	3	3	4	5	5	-	-	-
2	2	2	3	4	5	5	5	-	-
3	1	2	3	3	4	5	5	5	-
4	1	2	3	3	4	5	5	5	-
5	1	1	2	3	3	4	5	5	5
6	1	1	2	2	3	3	4	5	5
7	1	1	1	2	2	3	3	4	5
8	1	1	1	1	1	2	3	3	4
9	1	1	1	1	1	2	3	3	4
10	1	1	1	1	1	1	1	2	2
11	1	1	1	1	1	1	1	2	2
12	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Gemiddelde buitentemperatuur in de zomer = 35°C

Oost/West orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	4	5	5	-	-	-	-	-	-
2	4	5	5	5	-	-	-	-	-
3	3	5	5	5	-	-	-	-	-
4	3	4	5	5	5	-	-	-	-
5	3	3	4	5	5	-	-	-	-
6	2	3	4	5	5	5	-	-	-
7	2	3	3	4	5	5	5	-	-
8	2	2	3	3	4	5	5	5	-
9	1	2	2	3	3	5	5	5	-
10	1	1	2	2	3	4	5	5	5
11	1	1	1	2	3	3	4	5	5
12	1	1	1	1	2	2	3	3	4
13	1	1	1	1	1	2	2	3	3
14	1	1	1	1	1	1	2	2	3

Zuid orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	4	5	5	5	-	-	-	-
2	3	3	4	5	5	-	-	-	-
3	2	3	4	5	5	5	-	-	-
4	2	3	4	5	5	5	-	-	-
5	2	3	3	4	5	5	5	-	-
6	2	2	3	3	4	5	5	5	-
7	1	2	2	3	3	5	5	5	-
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9	1	1	2	2	3	4	5	5	5
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11	1	1	1	1	2	2	3	3	4
12	1	1	1	1	1	2	2	3	3
13	1	1	1	1	1	1	2	2	3
14	1	1	1	1	1	1	1	1	2

1	013.6312	2	013.6300	3	013.6400
4	013.6401	5	013.6301	-	*

**Voor specifieke projecten kan een bereekning aangevraagd worden om de functionaliteit van het element te evalueren.*

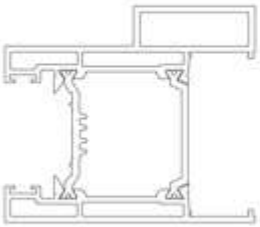
Raadpleeg het hoofdstuk 'Oplossingen' om alle details van elke afmeting te zien.

De verbuiging van het profiel is te wijten aan de snelle opwarming door de zonnestraling en is tijdelijk. Het fenomeen komt voor op specifieke momenten van specifieke dagen in het jaar. Bij het opstellen van de grafieken werd rekening gehouden met de maximale mogelijke verbuiging die kan voorkomen wanneer het profiel aan de maximale zonnestraling blootgesteld wordt, en met de specifieke buitentemperatuur. Een voor het project specifieke berekening kan vereist zijn om de functionaliteit van het element te beoordelen.

III.2 Slot zijde – Grote profielen

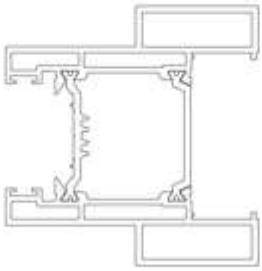
1

013.6313



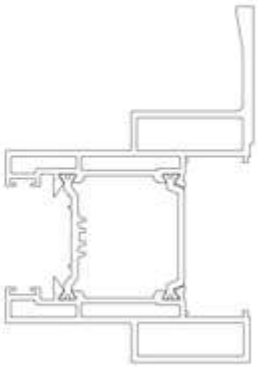
2

013.6310



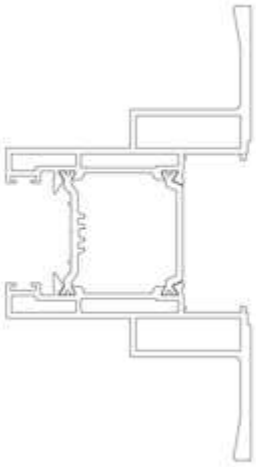
3

013.6410



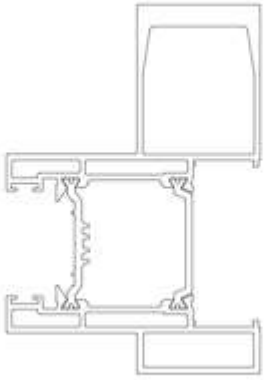
4

013.6411



5

013.6311



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*

Directe zonnestraling op de profielen is niet raadzaam.
Reynaers heeft zonweringsystemen in zijn aanbod (BS30, BS100).

Gemiddelde buitentemperatuur in de zomer = 25°C

Oost/West orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	3	5	5	5	-	-	-	-
2	3	3	4	5	5	-	-	-	-
3	2	3	3	5	5	5	-	-	-
4	1	3	3	4	5	5	5	-	-
5	1	2	3	3	4	5	5	-	-
6	1	1	2	3	3	4	5	5	-
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8	1	1	1	1	2	3	3	5	5
9	1	1	1	1	1	2	3	3	4
10	1	1	1	1	1	1	2	3	3
11	1	1	1	1	1	1	1	2	3
12	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Zuid orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	1	3	3	4	5	5	5	-	-
2	1	2	3	3	4	5	5	-	-
3	1	1	2	3	3	4	5	5	-
4	1	1	2	3	3	4	5	5	-
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6	1	1	1	1	2	3	3	5	5
7	1	1	1	1	1	2	3	3	4
8	1	1	1	1	1	1	2	3	3
9	1	1	1	1	1	1	2	3	3
10	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Gemiddelde buitentemperatuur in de zomer = 35°C

Oost/West orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	5	5	-	-	-	-	-	-
2	3	5	5	5	-	-	-	-	-
3	3	4	5	5	-	-	-	-	-
4	3	3	5	5	5	-	-	-	-
5	2	3	3	5	5	5	-	-	-
6	2	3	3	4	5	5	-	-	-
7	1	2	3	3	5	5	5	-	-
8	1	1	2	3	3	5	5	5	-
9	1	1	2	3	3	4	5	5	5
10	1	1	1	2	3	3	4	5	5
11	1	1	1	1	2	3	3	4	5
12	1	1	1	1	1	2	3	3	4
13	1	1	1	1	1	1	2	2	3
14	1	1	1	1	1	1	1	1	2

Zuid orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	3	5	5	5	-	-	-	-
2	2	3	3	5	5	5	-	-	-
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11	1	1	1	1	1	2	3	3	4
12	1	1	1	1	1	1	2	2	3
13	1	1	1	1	1	1	1	1	2
14	1	1	1	1	1	1	1	1	1

1	013.6313	2	013.6310	3	013.6410
4	013.6411	5	013.6311	-	*

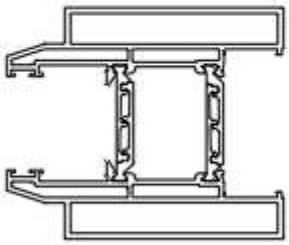
**Voor specifieke projecten kan een berekening aangevraagd worden om de functionalieteit van hetelement te evalueren.*

Raadpleeg het hoofdstuk 'Oplossingen' om alle details van elke afmeting te zien.

De verbuiging van het profiel is te wijten aan de snelle opwarming door de zonnestraling en is tijdelijk. Het fenomeen komt voor op specifieke momenten van specifieke dagen in het jaar. Bij het opstellen van de grafieken werd rekening gehouden met de maximale mogelijke verbuiging die kan voorkomen wanneer het profiel aan de maximale zonnestraling blootgesteld wordt, en met de specifieke buitentemperatuur. Een voor het project specifieke berekening kan vereist zijn om de functionaliteit van het element te beoordelen.

III.3 Slot zijde – BT-slot profielen

1
013.6340



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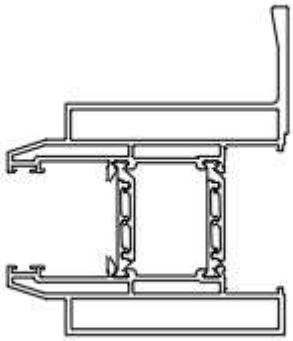

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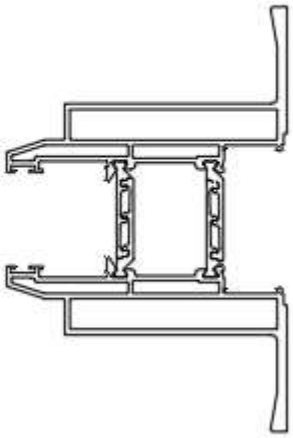
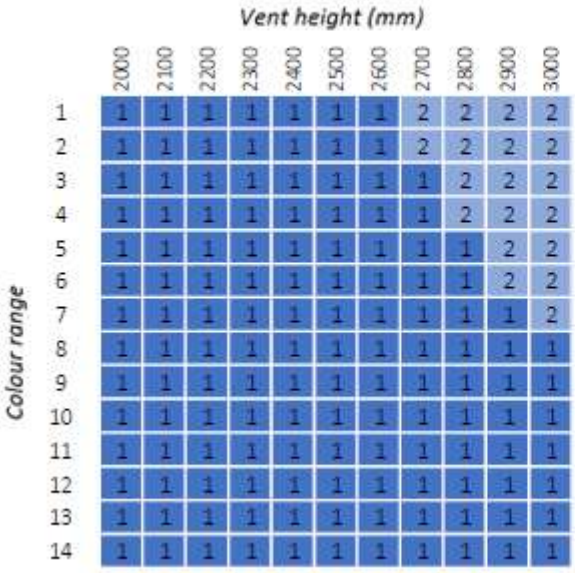
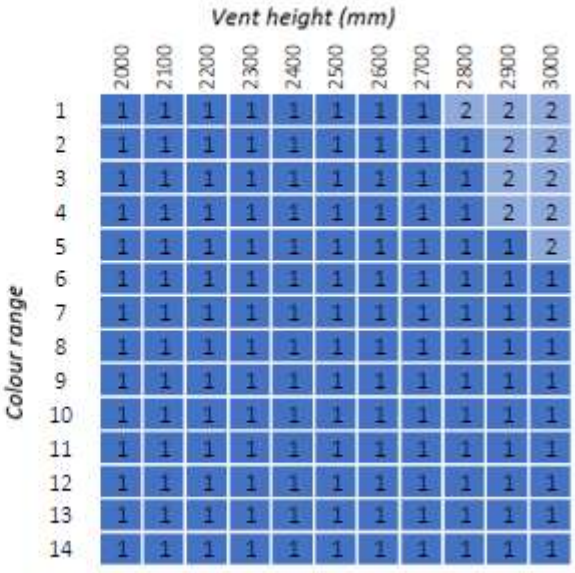


Gemiddelde buitentemperatuur in de zomer = 25°C

Oost/West orientation

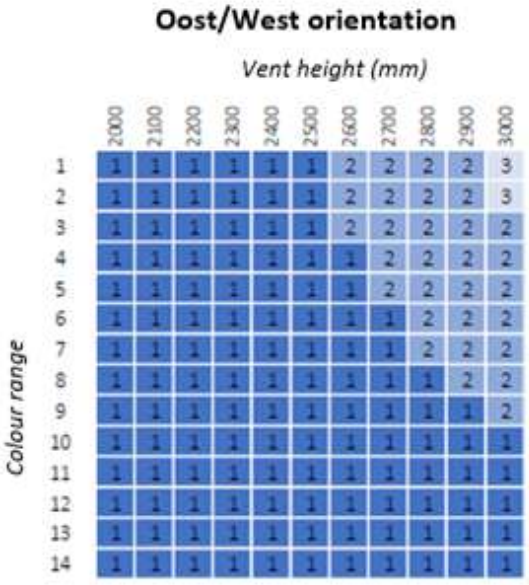


Zuid orientation

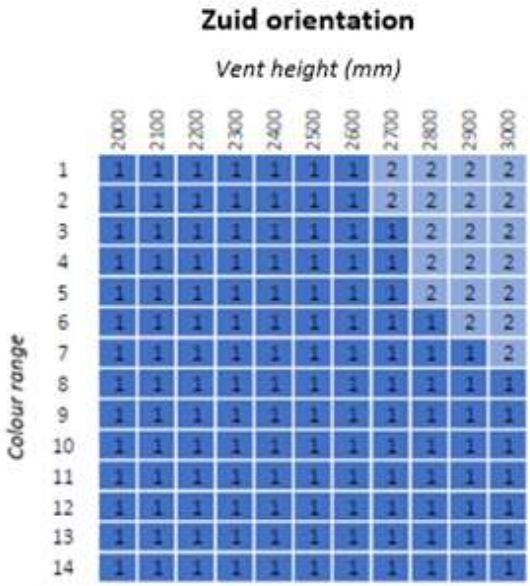


Gemiddelde buitentemperatuur in de zomer = 35°C

Oost/West orientation



Zuid orientation



1	013.6340
2	013.6342
3	013.6344

**Voor specifieke projecten kan een berekening aangevraagd worden om de functionalieteit van hetelement te evalueren.*

Raadpleeg het hoofdstuk 'Oplossingen' om alle details van elke afmeting te zien.

De verbuiging van het profiel is te wijten aan de snelle opwarming door de zonnestraling en is tijdelijk. Het fenomeen komt voor op specifieke momenten van specifieke dagen in het jaar. Bij het opstellen van de grafieken werd rekening gehouden met de maximale mogelijke verbuiging die kan voorkomen wanneer het profiel aan de maximale zonnestraling blootgesteld wordt, en met de specifieke buitentemperatuur. Een voor het project specifieke berekening kan vereist zijn om de functionaliteit van het element te beoordelen.

EFFET BIMÉTALLQUE SUR LES PORTES COULISSANTES

I. Description de l'effet bimétal

L'effet bimétal se manifeste sur les portes coulissantes lorsqu'il existe un différentiel thermique entre les demi-coques intérieure et extérieure d'un profil à rupture thermique. C'est le cas dans lorsqu'il fait chaud à l'extérieur ainsi que dans les environnements extrêmement froids.

Deux types de déflexion par effet bimétal ont été observés sur les portes coulissantes.

a. Échauffement de la cavité : Les profils de la section de chevauchement s'incurvent l'un vers l'autre lorsque le vantail est ouvert.
b. Rayonnement solaire direct : les profils s'incurvent dans une même direction.

I.1 Échauffement de la cavité

Lors de l'ouverture d'une porte coulissante, une cavité se crée entre les deux vitrages. Si le soleil échauffe l'air présent dans cette cavité et si les profils sont de couleur claire (groupe 7-14, voir **Error! Reference source not found.**), les profils de la section de chevauchement vont s'incurver l'un vers l'autre. Lors de la fermeture de la porte, les profils d'inversion en PVC risquent de s'endommager mutuellement.

I.2 Rayonnement solaire direct

Le profil du vantail côté fermeture (que ce soit en position ouverte ou fermée) et les profils de la section de chevauchement (en position fermée) s'incurveront temporairement s'ils sont exposés à échauffement dû au rayonnement solaire. La couleur du profil, l'emplacement et l'orientation de la porte coulissante ont un impact significatif sur cet effet. Le rayonnement solaire s'exerce plus directement sur les façades orientées à l'est et à l'ouest étant donné que les profils sont verticaux et que le soleil est plus bas sur l'horizon à ces azimuts.

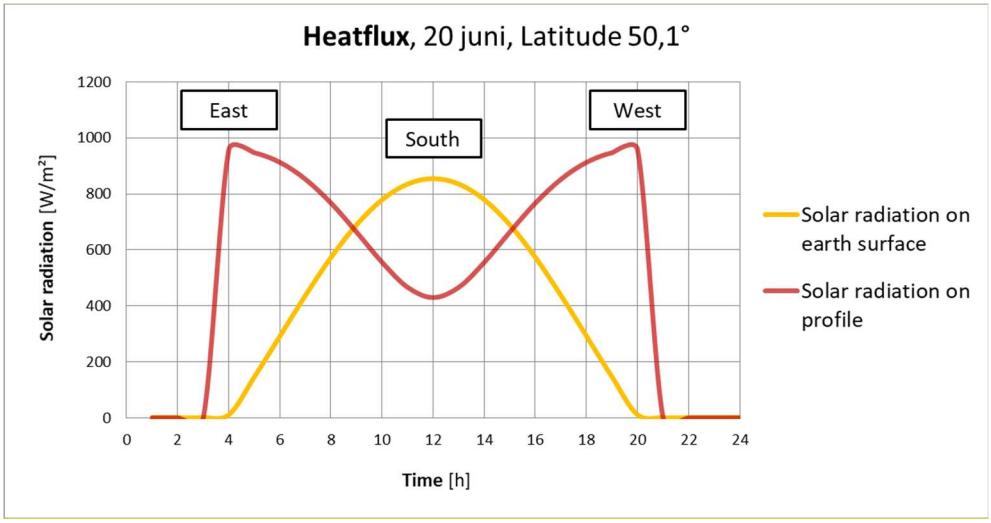


Figure 1: Rayonnement solaire dans l'été

Le rayonnement frappant effectivement les profils sera influencé par la situation réelle (p.ex. la présence de bâtiments avoisinants, d'une protection solaire ou d'arbres, la couverture nuageuse, les conditions atmosphériques,...) qui peut entraîner un ombrage supplémentaire. L'ensoleillement doit donc être évalué au cas par cas, en fonction du projet.

I.2.1 Le rayonnement depend de la couleur

La couleur du profil influence la température de la coque externe qui est déterminée par l'absorption de chaleur correspondant à la couleur en question. Plus la couleur est foncée (groupe 1), plus la situation est délicate. Les différentes couleurs ont été regroupées en fonction de leur comportement. Les groupes de couleurs (RAL) suivants présentent une réaction similaire lorsqu'ils sont exposés à un rayonnement solaire :

1	5004	8022	9005												*Avec RAL 9005 – Noir foncé*
2	3004	3005	3007	4007	5003	5008	5011	5013	5020	5022	6005	6007	6008	6009	6012
	6022	7021	8014	8016	8017	8019	9004	9011	9017						
3	3003	3009	3011	5000	5001	5002	5010	6004	6006	6014	6015	6020	7016	7022	7024
	7026	8011	8012	8015	8028										
4	3000	3001	3002	3013	3027	4002	4006	5005	5009	5017	5019	6002	6003	6016	6026
	6028	7009	7010	7011	7013	7015	7043	8002	8003	8007	8008	8024			
5	2002	3016	3020	3031	4008	5007	5021	5023	6000	6001	6010	6025	6029	7006	7008
	7012	7031	7039	8004	8025										
6	2001	3017	3018	4001	4005	4010	5014	5015	6011	6013	6017	6024	6032	7003	7005
	8000	8001	8023												
7	1027	2004	2009	2010	2012	3022	4003	5012	5018	6018	6033	7000	7002	7023	7033
	7034	7037	7046												
8	1005	1011	1019	1020	1024	2000	2008	2011	3012	3014	4009	5024	6021	7001	7030
	7036	7042	7045												
9	1006	1007	2003	6034	7004	7040									
10	1001	1002	1012	1028	1033	1034	3015	6027	7032	7038	7044				
11	1000	1003	1017	1021	1023	6019	7035								
12	1014	1018	7047	9018											
13	1013	1015	1016												
14	9003	9010	9016												*Avec RAL 9016 – Blanc signalisation*

Tableau 1 : Classification en groupes des différentes couleurs

II. Expliscation du tableau

L'effet bimétal est influencé par le **rayonnement solaire** à la surface du profil, les **températures de l'air extérieur** et l'**orientation** de la porte coulissante.

Outre deux variations de températures extérieures, vous trouverez ci-dessous les tableaux correspondant aux façades orientées est/ouest ainsi que celui des façades orientées vers le sud. Veuillez choisir la situation correspondant le mieux à votre site d'installation.

ÉTAPES DE SÉLECTION :

a. Consultez les tableaux disponibles pour les profils du côté fermeture, en fonction de l'orientation et de la température.
b. Sélectionnez la température externe moyenne des mois d'été correspondant le mieux à votre site.
c. Choisissez l'orientation de la façade.
d. Identifiez les mesures à prendre pour minimiser la déflexion temporaire due à l'effet bimétal.
e. Consultez les détails des mesures nécessaires au chapitre « Solutions ».

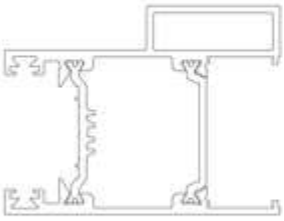
Pour une température moyenne de l'air extérieur jusqu'à 25°C pendant les mois d'été, veuillez sélectionner les tableaux indiquant une T_{ext} = 25°C. Pour une température moyenne de l'air extérieur comprise entre 26 et 35°C durant les mois d'été, veuillez sélectionner les tableaux indiquant une T_{ext} = 35°C. En cas de températures externes supérieures, il est nécessaire de procéder à un calcul spécifique au projet.

III. Solutions

III.1 Côté fermeture – Ouvrant classique

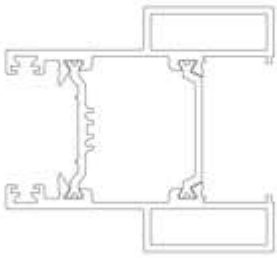
1

013.6312



2

013.6300



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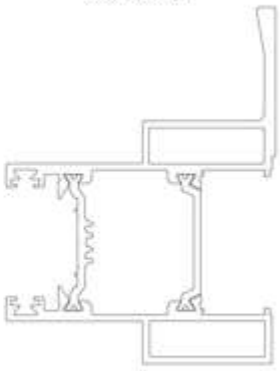

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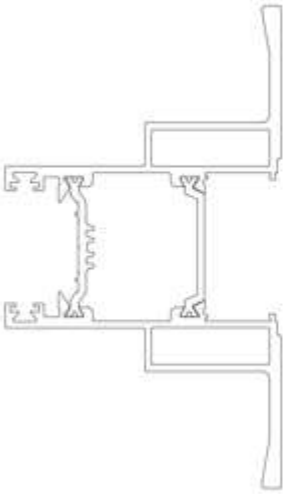

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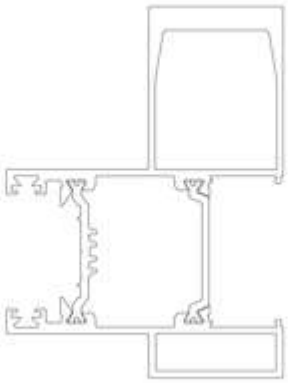

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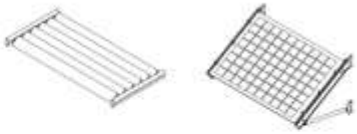

L'esposition des profils à un rayonnement solaire direct n'est pas recommandée.
Reynaers propose des système de protection solaire dans sa gamme (BS30, BS100).

B

Température estivale moyenne de l'air extérieur = 25°C

Orientation est/ouest

Colour range \ Vent height (mm)	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	4	5	5	-	-	-	-	-
2	3	4	5	5	5	-	-	-	-
3	3	3	4	5	5	5	-	-	-
4	2	3	3	4	5	5	-	-	-
5	2	2	3	4	5	5	5	-	-
6	1	2	3	3	4	5	5	5	-
7	1	1	2	3	3	4	5	5	5
8	1	1	2	2	3	3	4	5	5
9	1	1	1	2	2	3	3	4	5
10	1	1	1	1	1	2	3	3	4
11	1	1	1	1	1	1	2	2	3
12	1	1	1	1	1	1	1	2	2
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Orientation sud

Colour range \ Vent height (mm)	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	2	3	3	4	5	5	-	-	-
2	2	2	3	4	5	5	5	-	-
3	1	2	3	3	4	5	5	5	-
4	1	2	3	3	4	5	5	5	-
5	1	1	2	3	3	4	5	5	5
6	1	1	2	2	3	3	4	5	5
7	1	1	1	2	2	3	3	4	5
8	1	1	1	1	1	2	3	3	4
9	1	1	1	1	1	2	3	3	4
10	1	1	1	1	1	1	1	2	2
11	1	1	1	1	1	1	1	2	2
12	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Température estivale moyenne de l'air extérieur = 35°C

Orientation est/ouest

Colour range \ Vent height (mm)	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	4	5	5	-	-	-	-	-	-
2	4	5	5	5	-	-	-	-	-
3	3	5	5	5	-	-	-	-	-
4	3	4	5	5	5	-	-	-	-
5	3	3	4	5	5	-	-	-	-
6	2	3	4	5	5	5	-	-	-
7	2	3	3	4	5	5	5	-	-
8	2	2	3	3	4	5	5	5	-
9	1	2	2	3	3	5	5	5	-
10	1	1	2	2	3	4	5	5	5
11	1	1	1	2	3	3	4	5	5
12	1	1	1	1	2	2	3	3	4
13	1	1	1	1	1	2	2	3	3
14	1	1	1	1	1	1	2	2	3

Orientation sud

Colour range \ Vent height (mm)	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	4	5	5	5	-	-	-	-
2	3	3	4	5	5	-	-	-	-
3	2	3	4	5	5	5	-	-	-
4	2	3	4	5	5	5	-	-	-
5	2	3	3	4	5	5	5	-	-
6	2	2	3	3	4	5	5	5	-
7	1	2	2	3	3	5	5	5	-
8	1	1	2	2	3	4	5	5	5
9	1	1	2	2	3	4	5	5	5
10	1	1	1	1	2	2	3	3	4
11	1	1	1	1	2	2	3	3	4
12	1	1	1	1	1	2	2	3	3
13	1	1	1	1	1	1	2	2	3
14	1	1	1	1	1	1	1	1	2

1	013.6312	2	013.6300	3	013.6400
4	013.6401	5	013.6301	-	*

**Un calcul spécifique au projet peut être nécessaire pour évaluer la fonctionnalité de l'élément.*

Veuillez vous référer au chapitre « Solutions » pour obtenir tous les détails de chaque mesure.

La déflexion du profil est due à son échauffement rapide sous l'effet du rayonnement solaire; elle est temporaire. Ce phénomène survient à certaines heures spécifiques de certains jours spécifiques de l'année. Les tableaux ont été composés en tenant compte de la déflexion maximale possible pouvant survenir en cas d'exposition au rayonnement solaire le plus intense possible et à une température spécifique de l'air extérieur. Un calcul spécifique au projet peut être nécessaire pour évaluer la fonctionnalité de l'élément.

III.2 Côté fermeture – Ouvrant grand

1
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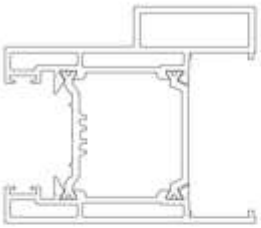

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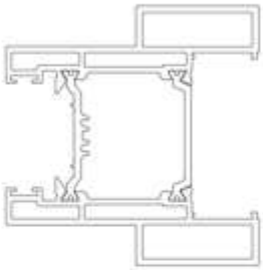

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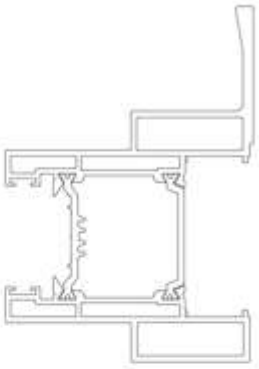

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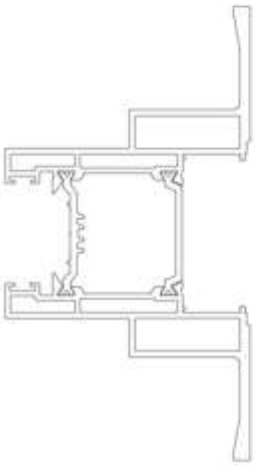
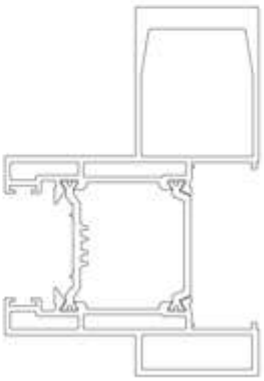
013.6411



5
013.6311



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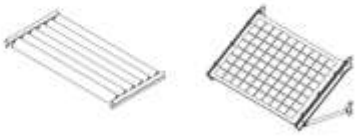


L'esposition des profils à un rayonnement solaire direct n'est pas recommandée.
Reynaers propose des système de protection solaire dans sa gamme (BS30, BS100).

B

Température estivale moyenne de l'air extérieur = 25°C

Orientation est/ouest

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	3	5	5	5	-	-	-	-
2	3	3	4	5	5	-	-	-	-
3	2	3	3	5	5	5	-	-	-
4	1	3	3	4	5	5	5	-	-
5	1	2	3	3	4	5	5	-	-
6	1	1	2	3	3	4	5	5	-
7	1	1	1	2	3	3	5	5	5
8	1	1	1	1	2	3	3	5	5
9	1	1	1	1	1	2	3	3	4
10	1	1	1	1	1	1	2	3	3
11	1	1	1	1	1	1	1	2	3
12	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Orientation sud

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	1	3	3	4	5	5	5	-	-
2	1	2	3	3	4	5	5	-	-
3	1	1	2	3	3	4	5	5	-
4	1	1	2	3	3	4	5	5	-
5	1	1	1	2	3	3	5	5	5
6	1	1	1	1	2	3	3	5	5
7	1	1	1	1	1	2	3	3	4
8	1	1	1	1	1	1	2	3	3
9	1	1	1	1	1	1	2	3	3
10	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Température estivale moyenne de l'air extérieur = 35°C

Orientation est/ouest

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	5	5	-	-	-	-	-	-
2	3	5	5	5	-	-	-	-	-
3	3	4	5	5	-	-	-	-	-
4	3	3	5	5	5	-	-	-	-
5	2	3	3	5	5	5	-	-	-
6	2	3	3	4	5	5	-	-	-
7	1	2	3	3	5	5	5	-	-
8	1	1	2	3	3	5	5	5	-
9	1	1	2	3	3	4	5	5	5
10	1	1	1	2	3	3	4	5	5
11	1	1	1	1	2	3	3	4	5
12	1	1	1	1	1	2	3	3	4
13	1	1	1	1	1	1	2	2	3
14	1	1	1	1	1	1	1	1	2

Orientation sud

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	3	5	5	5	-	-	-	-
2	2	3	3	5	5	5	-	-	-
3	2	3	3	4	5	5	-	-	-
4	2	3	3	4	5	5	-	-	-
5	1	2	3	3	5	5	5	-	-
6	1	1	2	3	3	5	5	5	-
7	1	1	2	3	3	4	5	5	5
8	1	1	1	2	3	3	4	5	5
9	1	1	1	2	3	3	4	5	5
10	1	1	1	1	1	2	3	3	4
11	1	1	1	1	1	2	3	3	4
12	1	1	1	1	1	1	2	2	3
13	1	1	1	1	1	1	1	1	2
14	1	1	1	1	1	1	1	1	1

1	013.6313	2	013.6310	3	013.6410
4	013.6411	5	013.6311	-	*

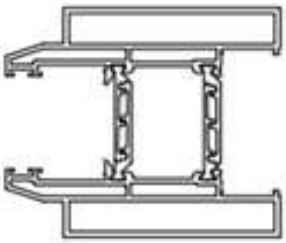
**Un calcul spécifique au projet peut être nécessaire pour évaluer la fonctionnalité de l'élément.*

Veuillez vous référer au chapitre « Solutions » pour obtenir tous les détails de chaque mesure.

La déflexion du profil est due à son échauffement rapide sous l'effet du rayonnement solaire; elle est temporaire. Ce phénomène survient à certaines heures spécifiques de certains jours spécifiques de l'année. Les tableaux ont été composés en tenant compte de la déflexion maximale possible pouvant survenir en cas d'exposition au rayonnement solaire le plus intense possible et à une température spécifique de l'air extérieur. Un calcul spécifique au projet peut être nécessaire pour évaluer la fonctionnalité de l'élément.

III.3 Côté fermeture – Ouvrant serrure BT

1
013.6340



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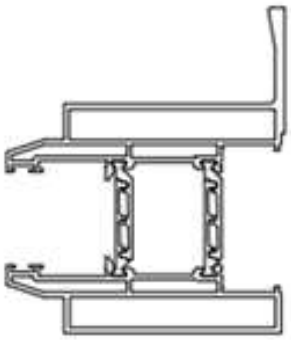
013.6342



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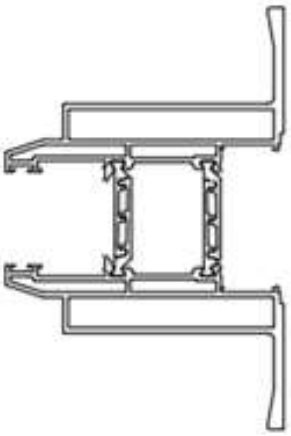
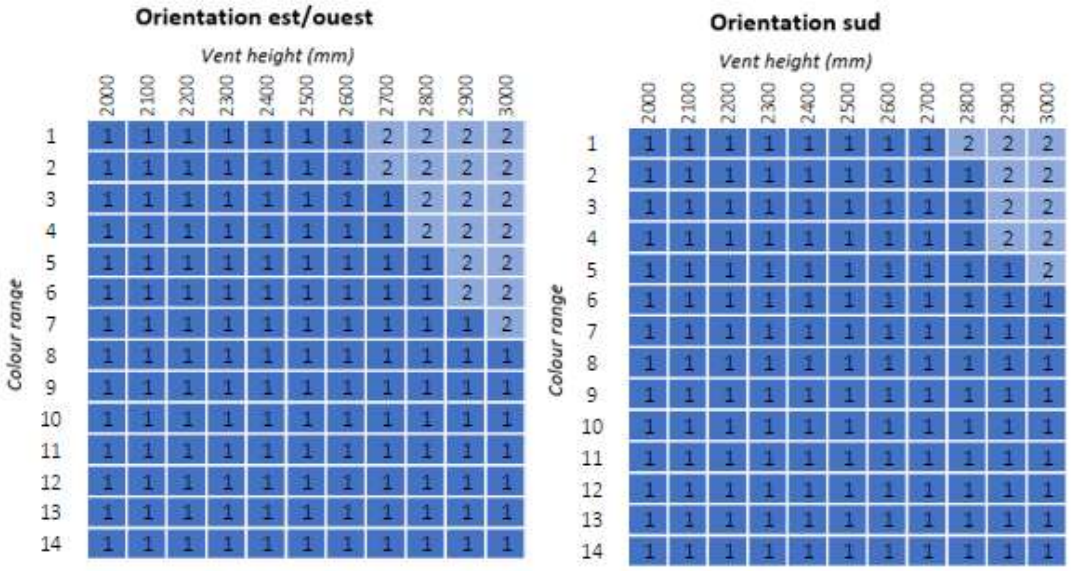
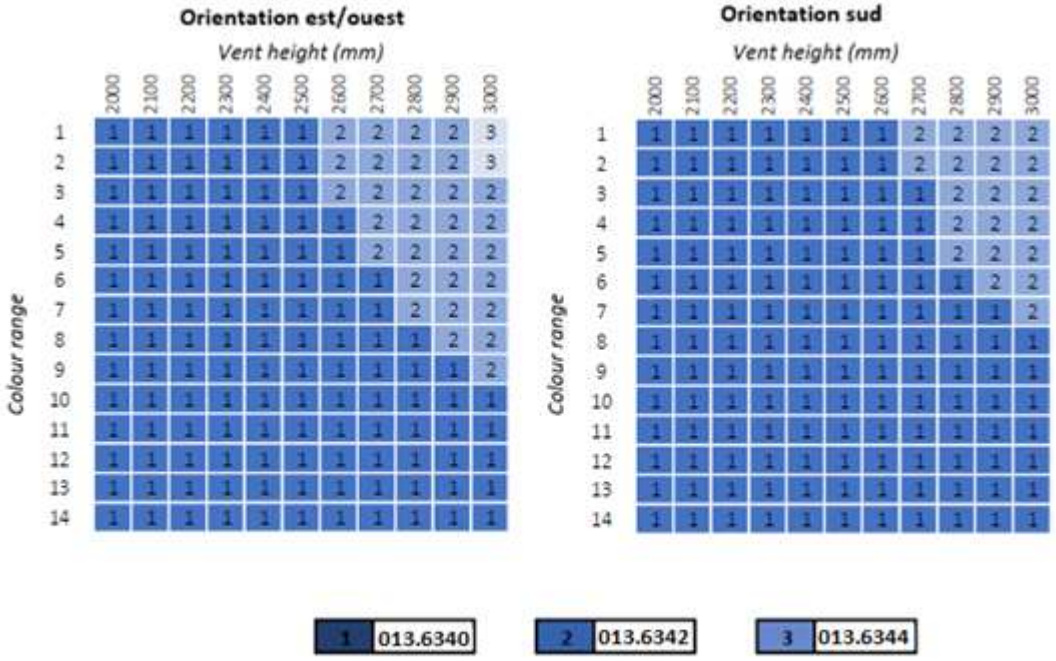
013.6344



Température estivale moyenne de l'air extérieur = 25°C



Température estivale moyenne de l'air extérieur = 35°C



1 013.6340 2 013.6342 3 013.6344

**Un calcul spécifique au projet peut être nécessaire pour évaluer la fonctionnalité de l'élément.*

Veuillez vous référer au chapitre « Solutions » pour obtenir tous les détails de chaque mesure.

La déflexion du profil est due à son échauffement rapide sous l'effet du rayonnement solaire; elle est temporaire. Ce phénomène survient à certaines heures spécifiques de certains jours spécifiques de l'année. Les tableaux ont été composés en tenant compte de la déflexion maximale possible pouvant survenir en cas d'exposition au rayonnement solaire le plus intense possible et à une température spécifique de l'air extérieur. Un calcul spécifique au projet peut être nécessaire pour évaluer la fonctionnalité de l'élément.

BI-METAL EFFECT ON SLIDING DOORS

I. Description of bi-metal effect

The bi-metal effect will occur on sliding doors when there is a temperature difference between the inner and outer half scale of a thermally broken profile. This is the case for warm exterior environments and extreme cold environments. The bi-metal effect due to solar radiation is much stronger than the effect of cold conditions in moderate climates (temperatures down to -20°C).

For sliding doors two types of bi-metal bending have been observed.
a. Heating of the cavity: Profiles of the meeting section bend towards each other when vent is opened.
b. Direct solar radiation: bending of the profiles in one direction

I.1 Heating of the cavity

When a sliding door is opened there is a cavity between the two glass panes. If the sun heats up this cavity and if the profiles have a light colour (group 7-14 see I.2.1) the meeting section profiles will bend towards each other. If the door is closed the PVC switch profiles can damage each other.

I.2 Direct solar radiation

The vent profile on the lock side (open and closed position) and the profiles of the meeting section (closed position) will temporarily bend when heated up by solar radiation. The colour of the profile, the location and orientation of the sliding door have a significant influence. The solar radiation is more direct on the East and West oriented facades, due to the profiles being vertical and the low position of the sun at these orientations.

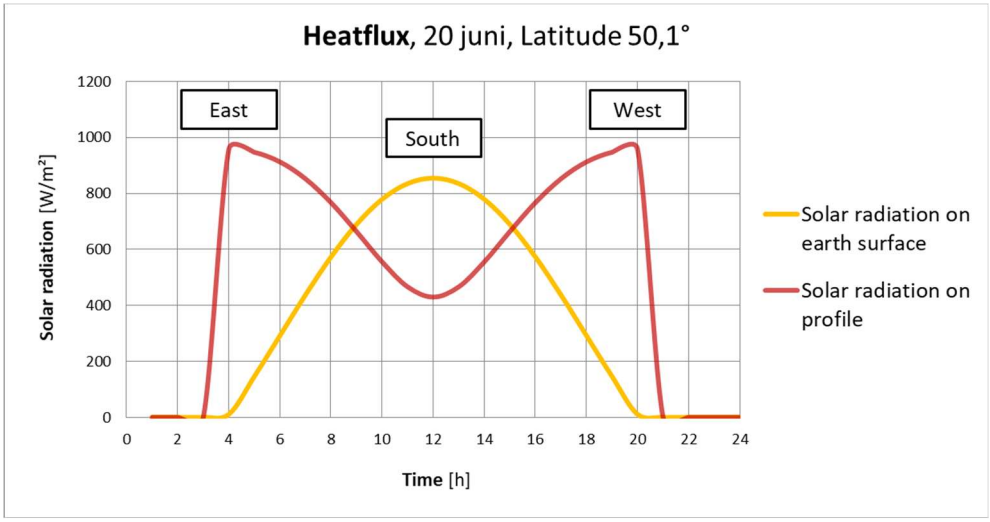


Figure 1: Solar radiation for summer day

The actual radiation on the profiles will be influenced by the real situation (e.g. surrounding buildings, solar shading, trees, cloud coverage, atmospheric conditions etc.) which might cause additional shading and should be evaluated in function of the project.

I.2.1 Radiation: colour dependent

The colour of the profile influences the temperature of the outer scale and is determined by the heat absorption of that colour. The darker the colour (group 1), the more critical. The different colours have been grouped based on their behaviour. Following groups of colours (RAL) will act similarly when exposed to solar radiation:

1	5004	8022	9005												*Where RAL 9005 – Jet Black*
2	3004	3005	3007	4007	5003	5008	5011	5013	5020	5022	6005	6007	6008	6009	6012
	6022	7021	8014	8016	8017	8019	9004	9011	9017						
3	3003	3009	3011	5000	5001	5002	5010	6004	6006	6014	6015	6020	7016	7022	7024
	7026	8011	8012	8015	8028										
4	3000	3001	3002	3013	3027	4002	4006	5005	5009	5017	5019	6002	6003	6016	6026
	6028	7009	7010	7011	7013	7015	7043	8002	8003	8007	8008	8024			
5	2002	3016	3020	3031	4008	5007	5021	5023	6000	6001	6010	6025	6029	7006	7008
	7012	7031	7039	8004	8025										
6	2001	3017	3018	4001	4005	4010	5014	5015	6011	6013	6017	6024	6032	7003	7005
	8000	8001	8023												
7	1027	2004	2009	2010	2012	3022	4003	5012	5018	6018	6033	7000	7002	7023	7033
	7034	7037	7046												
8	1005	1011	1019	1020	1024	2000	2008	2011	3012	3014	4009	5024	6021	7001	7030
	7036	7042	7045												
9	1006	1007	2003	6034	7004	7040									
10	1001	1002	1012	1028	1033	1034	3015	6027	7032	7038	7044				
11	1000	1003	1017	1021	1023	6019	7035								
12	1014	1018	7047	9018											
13	1013	1015	1016												
14	9003	9010	9016												*Where RAL 9016 – Traffic white*

Table 1: Grouping of the different colour

II. Chart explanation

The bimetal effect is influenced by the **solar radiation** on the profile surface, the **external air temperatures** and the **orientation** of the sliding door.

Below there are charts for East/West oriented facades and South oriented facades in addition to two different exterior temperatures. Please select the situation closest to your location.

SELECTION STEPS:

a. Charts available for lock side profiles based on orientation and temperature
b. Select most applicable for the location average external temperature during summer months
c. Select orientation of façade
d. Find measures that need to be taken to minimize the temporary deflection due to the bimetal effect
e. Look in chapter ‘Solutions’ for details of the needed measures

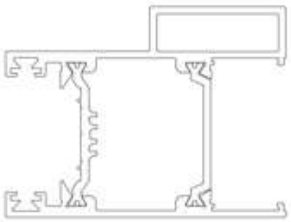
For average external air temperature up to 25°C during summer months please select the charts with Text = 25°C. For average external air temperature between 26-35°C during summer months please select the charts with Text = 35°C. For higher external temperatures a project related calculation will be needed.

III. Solutions

III.1 Lock side – Standard Vent

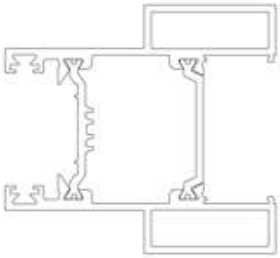
1

013.6312



2

013.6300



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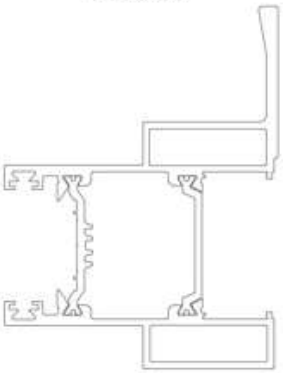
013.6400



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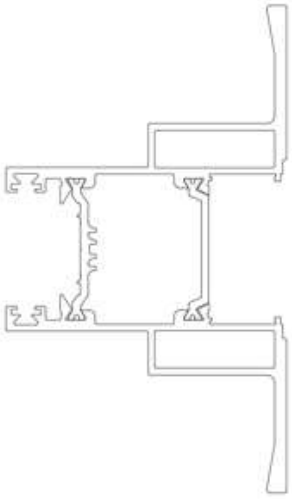
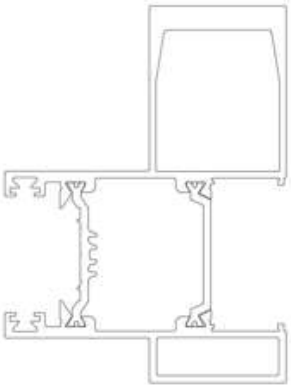
013.6401



5

013.6301



-

*

Direct solar radiation on the profiles is not recommended.
Reynaers has solar shading systems in Its range (BS30, BS100).

B

Average external summer temperature = 25°C

East/West orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	4	5	5	-	-	-	-	-
2	3	4	5	5	5	-	-	-	-
3	3	3	4	5	5	5	-	-	-
4	2	3	3	4	5	5	-	-	-
5	2	2	3	4	5	5	5	-	-
6	1	2	3	3	4	5	5	5	-
7	1	1	2	3	3	4	5	5	5
8	1	1	2	2	3	3	4	5	5
9	1	1	1	2	2	3	3	4	5
10	1	1	1	1	1	2	3	3	4
11	1	1	1	1	1	1	2	2	3
12	1	1	1	1	1	1	1	2	2
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

South orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	2	3	3	4	5	5	-	-	-
2	2	2	3	4	5	5	5	-	-
3	1	2	3	3	4	5	5	5	-
4	1	2	3	3	4	5	5	5	-
5	1	1	2	3	3	4	5	5	5
6	1	1	2	2	3	3	4	5	5
7	1	1	1	2	2	3	3	4	5
8	1	1	1	1	1	2	3	3	4
9	1	1	1	1	1	2	3	3	4
10	1	1	1	1	1	1	1	2	2
11	1	1	1	1	1	1	1	2	2
12	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Average external summer temperature = 35°C

East/West orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	4	5	5	-	-	-	-	-	-
2	4	5	5	5	-	-	-	-	-
3	3	5	5	5	-	-	-	-	-
4	3	4	5	5	5	-	-	-	-
5	3	3	4	5	5	-	-	-	-
6	2	3	4	5	5	5	-	-	-
7	2	3	3	4	5	5	5	-	-
8	2	2	3	3	4	5	5	5	-
9	1	2	2	3	3	5	5	5	-
10	1	1	2	2	3	4	5	5	5
11	1	1	1	2	3	3	4	5	5
12	1	1	1	1	2	2	3	3	4
13	1	1	1	1	1	2	2	3	3
14	1	1	1	1	1	1	2	2	3

South orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	4	5	5	5	-	-	-	-
2	3	3	4	5	5	-	-	-	-
3	2	3	4	5	5	5	-	-	-
4	2	3	4	5	5	5	-	-	-
5	2	3	3	4	5	5	5	-	-
6	2	2	3	3	4	5	5	5	-
7	1	2	2	3	3	5	5	5	-
8	1	1	2	2	3	4	5	5	5
9	1	1	2	2	3	4	5	5	5
10	1	1	1	1	2	2	3	3	4
11	1	1	1	1	2	2	3	3	4
12	1	1	1	1	1	2	2	3	3
13	1	1	1	1	1	1	2	2	3
14	1	1	1	1	1	1	1	1	2

1	013.6312	2	013.6300	3	013.6400
4	013.6401	5	013.6301	-	*

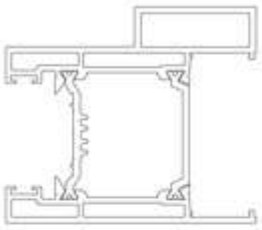
**A project related calculation can be requested in order to evaluate the functionality of the element.*

Please advise the chapter 'Solutions' to get all the details of each measure. The deflection of the profile is due to the rapid heating by solar radiation and is temporary. It will occur at specific times of specific days of the year. The charts are formed by taking into account the maximum possible deflection that can occur when subjected to the maximum solar radiation possible and the specific external temperature. A project related calculation can be requested in order to evaluate the functionality of the element.

III.2 Lock side – Large Vent

1

013.6313



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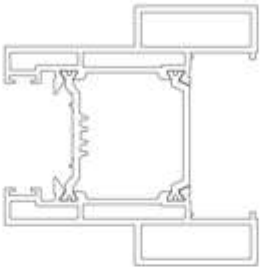
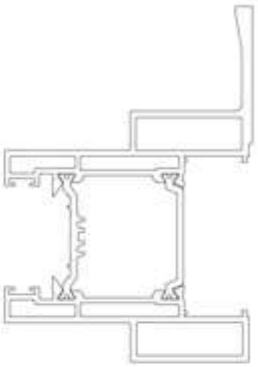
013.6310



3

013.6410



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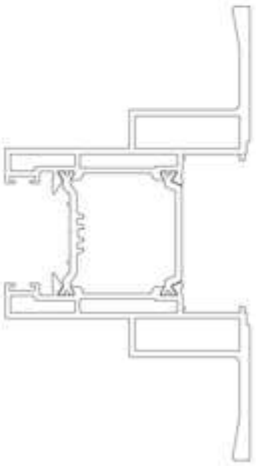
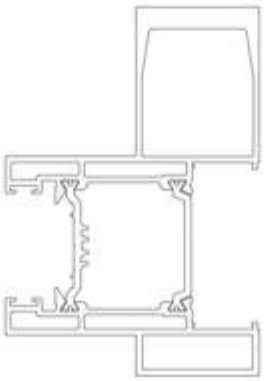
013.6411



5

013.6311



-

*

Direct solar radiation on the profiles is not recommended.
Reynaers has solar shading systems in Its range (BS30, BS100).

B

Average external summer temperature = 25°C

East/West orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	3	5	5	5	-	-	-	-
2	3	3	4	5	5	-	-	-	-
3	2	3	3	5	5	5	-	-	-
4	1	3	3	4	5	5	5	-	-
5	1	2	3	3	4	5	5	-	-
6	1	1	2	3	3	4	5	5	-
7	1	1	1	2	3	3	5	5	5
8	1	1	1	1	2	3	3	5	5
9	1	1	1	1	1	2	3	3	4
10	1	1	1	1	1	1	2	3	3
11	1	1	1	1	1	1	1	2	3
12	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

South orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	1	3	3	4	5	5	5	-	-
2	1	2	3	3	4	5	5	-	-
3	1	1	2	3	3	4	5	5	-
4	1	1	2	3	3	4	5	5	-
5	1	1	1	2	3	3	5	5	5
6	1	1	1	1	2	3	3	5	5
7	1	1	1	1	1	2	3	3	4
8	1	1	1	1	1	1	2	3	3
9	1	1	1	1	1	1	2	3	3
10	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Average external summer temperature = 35°C

East/West orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	5	5	-	-	-	-	-	-
2	3	5	5	5	-	-	-	-	-
3	3	4	5	5	-	-	-	-	-
4	3	3	5	5	5	-	-	-	-
5	2	3	3	5	5	5	-	-	-
6	2	3	3	4	5	5	-	-	-
7	1	2	3	3	5	5	5	-	-
8	1	1	2	3	3	5	5	5	-
9	1	1	2	3	3	4	5	5	5
10	1	1	1	2	3	3	4	5	5
11	1	1	1	1	2	3	3	4	5
12	1	1	1	1	1	2	3	3	4
13	1	1	1	1	1	1	2	2	3
14	1	1	1	1	1	1	1	1	2

South orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	3	5	5	5	-	-	-	-
2	2	3	3	5	5	5	-	-	-
3	2	3	3	4	5	5	-	-	-
4	2	3	3	4	5	5	-	-	-
5	1	2	3	3	5	5	5	-	-
6	1	1	2	3	3	5	5	5	-
7	1	1	2	3	3	4	5	5	5
8	1	1	1	2	3	3	4	5	5
9	1	1	1	2	3	3	4	5	5
10	1	1	1	1	1	2	3	3	4
11	1	1	1	1	1	2	3	3	4
12	1	1	1	1	1	1	2	2	3
13	1	1	1	1	1	1	1	1	2
14	1	1	1	1	1	1	1	1	1

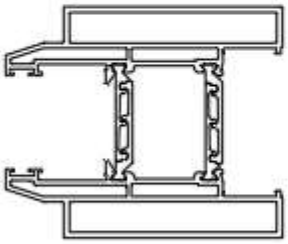
1	013.6313	2	013.6310	3	013.6410
4	013.6411	5	013.6311	-	*

**A project related calculation can be requested in order to evaluate the functionality of the element.*

Please advise the chapter 'Solutions' to get all the details of each measure. The deflection of the profile is due to the rapid heating by solar radiation and is temporary. It will occur at specific times of specific days of the year. The charts are formed by taking into account the maximum possible deflection that can occur when subjected to the maximum solar radiation possible and the specific external temperature. A project related calculation can be requested in order to evaluate the functionality of the element.

III.3 Lock side – BT lock Vent

1
013.6340



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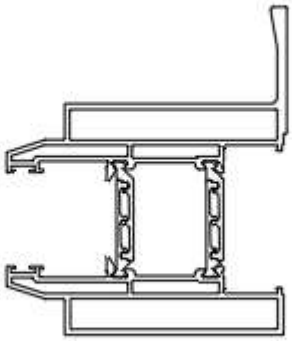
013.6342



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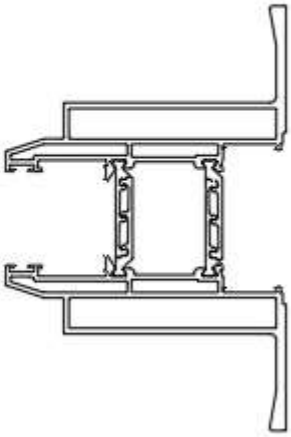


Average external summer temperature = 25°C

East/West orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
1	1	1	1	1	1	1	1	2	2	2	2
2	1	1	1	1	1	1	1	2	2	2	2
3	1	1	1	1	1	1	1	1	2	2	2
4	1	1	1	1	1	1	1	1	2	2	2
5	1	1	1	1	1	1	1	1	1	2	2
6	1	1	1	1	1	1	1	1	1	2	2
7	1	1	1	1	1	1	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1

South orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
1	1	1	1	1	1	1	1	1	2	2	2
2	1	1	1	1	1	1	1	1	1	2	2
3	1	1	1	1	1	1	1	1	1	2	2
4	1	1	1	1	1	1	1	1	1	2	2
5	1	1	1	1	1	1	1	1	1	1	2
6	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1

Average external summer temperature = 35°C

East/West orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
1	1	1	1	1	1	1	2	2	2	2	3
2	1	1	1	1	1	1	2	2	2	2	3
3	1	1	1	1	1	1	2	2	2	2	2
4	1	1	1	1	1	1	1	2	2	2	2
5	1	1	1	1	1	1	1	2	2	2	2
6	1	1	1	1	1	1	1	1	2	2	2
7	1	1	1	1	1	1	1	1	2	2	2
8	1	1	1	1	1	1	1	1	1	2	2
9	1	1	1	1	1	1	1	1	1	1	2
10	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1

South orientation

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
1	1	1	1	1	1	1	1	2	2	2	2
2	1	1	1	1	1	1	1	2	2	2	2
3	1	1	1	1	1	1	1	1	2	2	2
4	1	1	1	1	1	1	1	1	2	2	2
5	1	1	1	1	1	1	1	1	2	2	2
6	1	1	1	1	1	1	1	1	1	2	2
7	1	1	1	1	1	1	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1

1	013.6340
2	013.6342
3	013.6344

**A project related calculation can be requested in order to evaluate the functionality of the element.*

Please advise the chapter 'Solutions' to get all the details of each measure. The deflection of the profile is due to the rapid heating by solar radiation and is temporary. It will occur at specific times of specific days of the year. The charts are formed by taking into account the maximum possible deflection that can occur when subjected to the maximum solar radiation possible and the specific external temperature. A project related calculation can be requested in order to evaluate the functionality of the element.

BIMETALLEFFEKT AUF SCHIEBETÜREN

I. Beschreibung des Bimetall-Effekts

Der Bimetall-Effekt tritt an Schiebetüren auf, wenn ein Temperaturunterschied zwischen der inneren und äußeren Halbschale eines thermisch unterbrochenen Profils besteht. Das ist der Fall bei warmen Außenumgebungen und extrem kalten Umgebungen.

Bei Schiebetüren wurden zwei Arten von bimetallischer Biegung beobachtet.
a. Erwärmung des Hohlraums: Profile der Wechselsektion biegen sich beim Öffnen des Flügels aufeinander zu.
b. Direkte Sonnenstrahlung: Biegung der Profile in eine Richtung

I.1 Erwärmung des Hohlraums

Wenn eine Schiebetür geöffnet wird, gibt es einen Hohlraum zwischen den beiden Glasscheiben. Wird dieser Hohlraum von der Sonne erwärmt und haben die Profile eine helle Farbe (Gruppe 7–14 siehe **Error! Reference source not found.**), biegen sich die Profile der Wechselsektionen aufeinander zu. Wenn die Tür geschlossen wird, können die PVC-Profile sich gegenseitig beschädigen.

I.2 Direkte Sonnenstrahlung

Das Flügelprofil auf der Schließseite (offene und geschlossene Position) und die Profile der Wechselsektion (geschlossene Position) verbiegen sich vorübergehend, wenn sie durch Sonnenstrahlung erwärmt werden. Einen wesentlichen Einfluss haben die Farbe des Profils, die Positionen und Ausrichtung der Schiebetür. Die Sonnenstrahlung ist an der Ost- und Westfassade direkter, da die Profile senkrecht sind und die Sonne bei diesen Ausrichtungen tief steht.

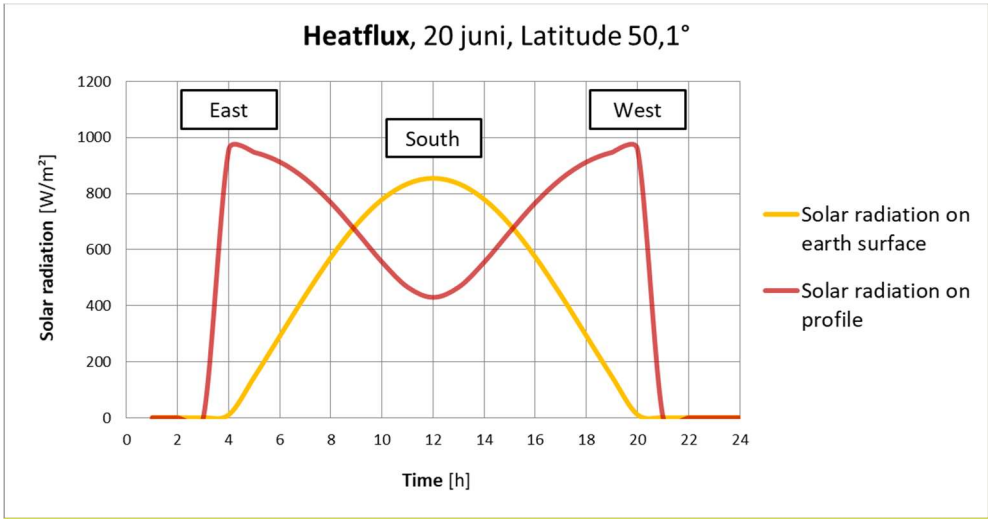


Abbildung 1: Sonneneinstrahlung am Sommertag

Die tatsächliche Einstrahlung auf die Profile wird durch die tatsächlichen Gegebenheiten (z.B. umliegende Gebäude, Sonnenschutz, Bäume, Bewölkung, atmosphärische Bedingungen usw.) beeinflusst, die zusätzliche Abschattung bewirken können, und sollte in Abhängigkeit vom Projekt bewertet werden.

I.2.1 Strahlung: farbabhängig

Die Farbe des Profils beeinflusst die Temperatur der äußeren Skala und wird durch die Wärmeabsorption dieser Farbe bestimmt. Je dunkler die Farbe (Gruppe 1), desto kritischer ist sie. Die verschiedenen Farben wurden nach ihrem Verhalten gruppiert. Folgende Farbgruppen (RAL) verhalten sich ähnlich, wenn sie Sonnenstrahlung ausgesetzt sind:

1	5004	8022	9005												*Wo RAL 9005 – Tiefschwarz*
2	3004	3005	3007	4007	5003	5008	5011	5013	5020	5022	6005	6007	6008	6009	6012
	6022	7021	8014	8016	8017	8019	9004	9011	9017						
3	3003	3009	3011	5000	5001	5002	5010	6004	6006	6014	6015	6020	7016	7022	7024
	7026	8011	8012	8015	8028										
4	3000	3001	3002	3013	3027	4002	4006	5005	5009	5017	5019	6002	6003	6016	6026
	6028	7009	7010	7011	7013	7015	7043	8002	8003	8007	8008	8024			
5	2002	3016	3020	3031	4008	5007	5021	5023	6000	6001	6010	6025	6029	7006	7008
	7012	7031	7039	8004	8025										
6	2001	3017	3018	4001	4005	4010	5014	5015	6011	6013	6017	6024	6032	7003	7005
	8000	8001	8023												
7	1027	2004	2009	2010	2012	3022	4003	5012	5018	6018	6033	7000	7002	7023	7033
	7034	7037	7046												
8	1005	1011	1019	1020	1024	2000	2008	2011	3012	3014	4009	5024	6021	7001	7030
	7036	7042	7045												
9	1006	1007	2003	6034	7004	7040									
10	1001	1002	1012	1028	1033	1034	3015	6027	7032	7038	7044				
11	1000	1003	1017	1021	1023	6019	7035								
12	1014	1018	7047	9018											
13	1013	1015	1016												
14	9003	9010	9016												*Wo RAL 9016 – Verkehrsweiß*

Tabelle 1: Gruppierung der verschiedenen Farben

II. Erläuterung der Diagramme

Der Bimetall-Effekt wird durch **Sonnenstrahlung** auf die Profiloberfläche, die **Außenlufttemperaturen** und die **Ausrichtung** der Schiebetür beeinflusst.

Nachfolgend finden Sie Diagramme für nach Osten/Westen ausgerichtete Fassaden und nach Süden ausgerichtete Fassaden sowie für zwei verschiedene Außentemperaturen. Bitte wählen Sie die Situation, die Ihrem Einsatzort am ähnlichsten ist.

AUSWAHLSCHRITTE:

a. Diagramme verfügbar für schließseitige Profile auf Basis der Ausrichtung und Temperatur
b. Wählen Sie die zutreffendste Variante für die durchschnittliche Außentemperatur am Einsatzort in den Sommermonaten
c. Ausrichtung der Fassade wählen
d. Feststellen, welche Maßnahmen getroffen werden müssen, um die vorübergehende Auslenkung aufgrund des Bimetall-Effekts zu minimieren
e. Siehe das Kapitel „Lösungen“ für Einzelheiten zu den erforderlichen Maßnahmen

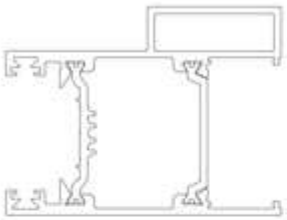
Für durchschnittliche Außenlufttemperaturen bis 25°C in den Sommermonaten wählen Sie bitte die Diagramme mit T_{ext} = 25°C. Für durchschnittliche Außenlufttemperaturen zwischen 26°–35°C in den Sommermonaten wählen Sie bitte die Diagramme mit T_{ext} = 35°C. Für höhere Außentemperaturen ist eine projektbezogene Berechnung erforderlich.

III. Lösungen

III.1 Schließseite – Standard fluegelprofilen

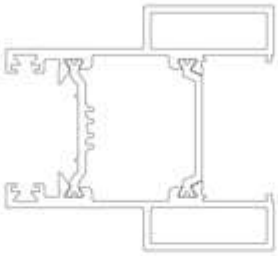
1

013.6312



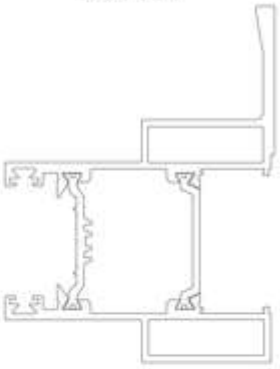
2

013.6300



3

013.6400



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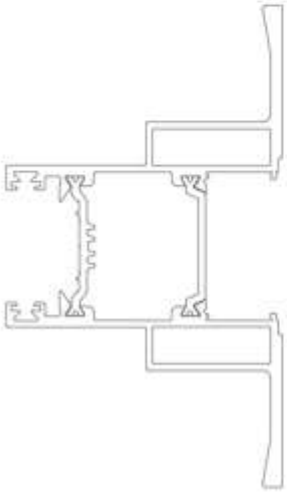
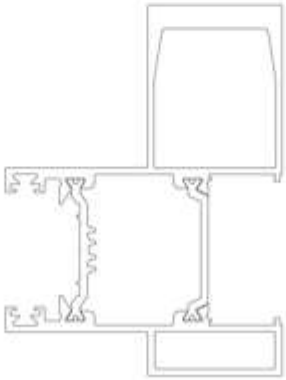


5

013.6301



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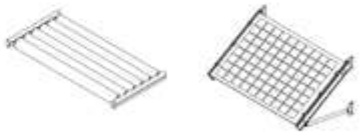


Direkte Sonnenstrahlung auf die Profile wird nicht empfohlen.
Reynaers hat Sonnenschutzsysteme in seinem Sortiment (BS30, BS100).

B

Durchschnittliche Außentemperatur im Sommer = 25°C

Ost/West-Ausrichtung

Colour range \ Vent height (mm)	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	4	5	5	-	-	-	-	-
2	3	4	5	5	5	-	-	-	-
3	3	3	4	5	5	5	-	-	-
4	2	3	3	4	5	5	-	-	-
5	2	2	3	4	5	5	5	-	-
6	1	2	3	3	4	5	5	5	-
7	1	1	2	3	3	4	5	5	5
8	1	1	2	2	3	3	4	5	5
9	1	1	1	2	2	3	3	4	5
10	1	1	1	1	1	2	3	3	4
11	1	1	1	1	1	1	2	2	3
12	1	1	1	1	1	1	1	2	2
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Süd-Ausrichtung

Colour range \ Vent height (mm)	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	2	3	3	4	5	5	-	-	-
2	2	2	3	4	5	5	5	-	-
3	1	2	3	3	4	5	5	5	-
4	1	2	3	3	4	5	5	5	-
5	1	1	2	3	3	4	5	5	5
6	1	1	2	2	3	3	4	5	5
7	1	1	1	2	2	3	3	4	5
8	1	1	1	1	1	2	3	3	4
9	1	1	1	1	1	2	3	3	4
10	1	1	1	1	1	1	1	2	2
11	1	1	1	1	1	1	1	2	2
12	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Durchschnittliche Außentemperatur im Sommer = 35°C

Ost/West-Ausrichtung

Colour range \ Vent height (mm)	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	4	5	5	-	-	-	-	-	-
2	4	5	5	5	-	-	-	-	-
3	3	5	5	5	-	-	-	-	-
4	3	4	5	5	5	-	-	-	-
5	3	3	4	5	5	-	-	-	-
6	2	3	4	5	5	5	-	-	-
7	2	3	3	4	5	5	5	-	-
8	2	2	3	3	4	5	5	5	-
9	1	2	2	3	3	5	5	5	-
10	1	1	2	2	3	4	5	5	5
11	1	1	1	2	3	3	4	5	5
12	1	1	1	1	2	2	3	3	4
13	1	1	1	1	1	2	2	3	3
14	1	1	1	1	1	1	2	2	3

Süd-Ausrichtung

Colour range \ Vent height (mm)	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	4	5	5	5	-	-	-	-
2	3	3	4	5	5	-	-	-	-
3	2	3	4	5	5	5	-	-	-
4	2	3	4	5	5	5	-	-	-
5	2	3	3	4	5	5	5	-	-
6	2	2	3	3	4	5	5	5	-
7	1	2	2	3	3	5	5	5	-
8	1	1	2	2	3	4	5	5	5
9	1	1	2	2	3	4	5	5	5
10	1	1	1	1	2	2	3	3	4
11	1	1	1	1	2	2	3	3	4
12	1	1	1	1	1	2	2	3	3
13	1	1	1	1	1	1	2	2	3
14	1	1	1	1	1	1	1	1	2

1	013.6312	2	013.6300	3	013.6400
4	013.6401	5	013.6301	-	*

Zur Beurteilung der Funktionalität des Elements kann eine projektbezogene Berechnung angefordert werden.

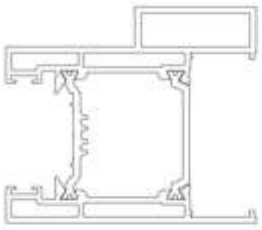
Bitte beachten Sie das Kapitel „Lösungen“, um alle Einzelheiten zu jeder Maßnahme zu erfahren.

Die Auslenkung des Profils ist auf die schnelle Erwärmung durch Sonnenstrahlung zurückzuführen und ist vorübergehender Art. Sie wird zu bestimmten Zeiten an bestimmten Tagen des Jahres auftreten. Die Diagramme wurden unter Berücksichtigung der maximal möglichen Auslenkung ermittelt, die auftreten kann, wenn das Profil der maximal möglichen Sonneneinstrahlung und der spezifischen Außentemperatur ausgesetzt ist. Eine projektbezogene Berechnung zum Beurteilen der Funktionalität des Elements kann angefordert werden.
Isolationsvariante Standard – Schließseite – Durchschnittliche Außentemperatur im Sommer = 35°C

III.2 Schließseite – Grob fluegelprofilen

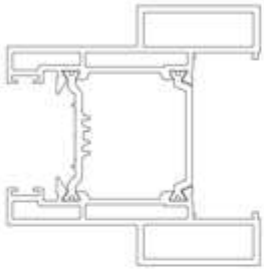
1

013.6313



2

013.6310



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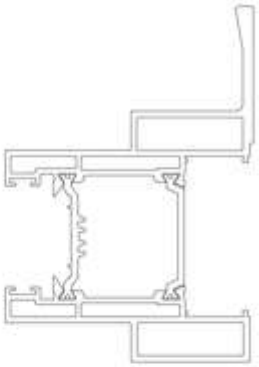
013.6410



4

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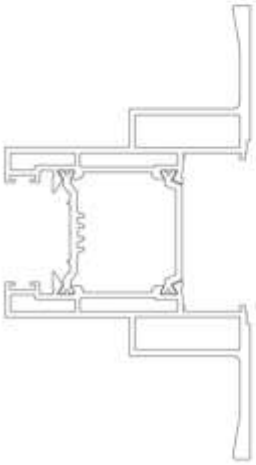

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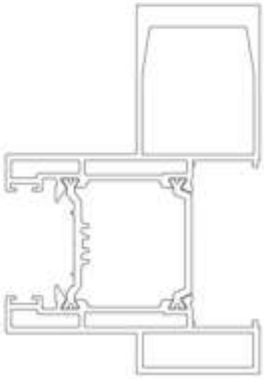

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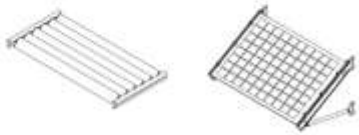


Direkte Sonnenstrahlung auf die Profile wird nicht empfohlen.
Reynaers hat Sonnenschutzsysteme in seinem Sortiment (BS30, BS100).

B

Durchschnittliche Außentemperatur im Sommer = 25°C

Ost/West-Ausrichtung

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	3	5	5	5	-	-	-	-
2	3	3	4	5	5	-	-	-	-
3	2	3	3	5	5	5	-	-	-
4	1	3	3	4	5	5	5	-	-
5	1	2	3	3	4	5	5	-	-
6	1	1	2	3	3	4	5	5	-
7	1	1	1	2	3	3	5	5	5
8	1	1	1	1	2	3	3	5	5
9	1	1	1	1	1	2	3	3	4
10	1	1	1	1	1	1	2	3	3
11	1	1	1	1	1	1	1	2	3
12	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Süd-Ausrichtung

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	1	3	3	4	5	5	5	-	-
2	1	2	3	3	4	5	5	-	-
3	1	1	2	3	3	4	5	5	-
4	1	1	2	3	3	4	5	5	-
5	1	1	1	2	3	3	5	5	5
6	1	1	1	1	2	3	3	5	5
7	1	1	1	1	1	2	3	3	4
8	1	1	1	1	1	1	2	3	3
9	1	1	1	1	1	1	2	3	3
10	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1

Durchschnittliche Außentemperatur im Sommer = 35°C

Ost/West-Ausrichtung

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	5	5	-	-	-	-	-	-
2	3	5	5	5	-	-	-	-	-
3	3	4	5	5	-	-	-	-	-
4	3	3	5	5	5	-	-	-	-
5	2	3	3	5	5	5	-	-	-
6	2	3	3	4	5	5	-	-	-
7	1	2	3	3	5	5	5	-	-
8	1	1	2	3	3	5	5	5	-
9	1	1	2	3	3	4	5	5	5
10	1	1	1	2	3	3	4	5	5
11	1	1	1	1	2	3	3	4	5
12	1	1	1	1	1	2	3	3	4
13	1	1	1	1	1	1	2	2	3
14	1	1	1	1	1	1	1	1	2

Süd-Ausrichtung

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800
1	3	3	5	5	5	-	-	-	-
2	2	3	3	5	5	5	-	-	-
3	2	3	3	4	5	5	-	-	-
4	2	3	3	4	5	5	-	-	-
5	1	2	3	3	5	5	5	-	-
6	1	1	2	3	3	5	5	5	-
7	1	1	2	3	3	4	5	5	5
8	1	1	1	2	3	3	4	5	5
9	1	1	1	2	3	3	4	5	5
10	1	1	1	1	1	2	3	3	4
11	1	1	1	1	1	2	3	3	4
12	1	1	1	1	1	1	2	2	3
13	1	1	1	1	1	1	1	1	2
14	1	1	1	1	1	1	1	1	1

1	013.6313	2	013.6310	3	013.6410
4	013.6411	5	013.6311	-	*

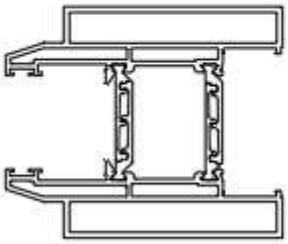
**Zur Beurteilung der Funktionalität des Elements kann eine projektbezogene Berechnung angefordert werden.*

Bitte beachten Sie das Kapitel „Lösungen“, um alle Einzelheiten zu jeder Maßnahme zu erfahren.

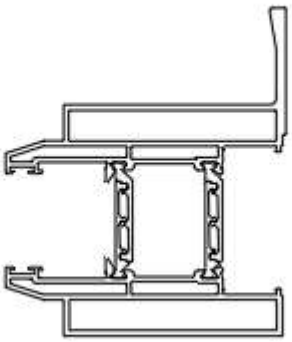
Die Auslenkung des Profils ist auf die schnelle Erwärmung durch Sonnenstrahlung zurückzuführen und ist vorübergehender Art. Sie wird zu bestimmten Zeiten an bestimmten Tagen des Jahres auftreten. Die Diagramme wurden unter Berücksichtigung der maximal möglichen Auslenkung ermittelt, die auftreten kann, wenn das Profil der maximal möglichen Sonneneinstrahlung und der spezifischen Außentemperatur ausgesetzt ist. Eine projektbezogene Berechnung zum Beurteilen der Funktionalität des Elements kann angefordert werden.

III.3 Schließseite – BT schloesser fluegelprofilen

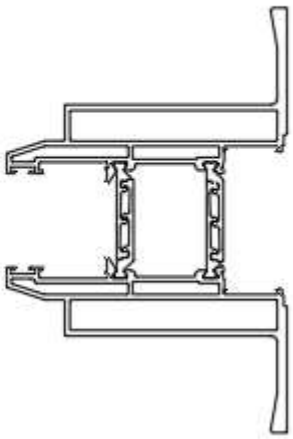
1
013.6340



2
013.6342



3
013.6344



Durchschnittliche Außentemperatur im Sommer = 25°C

Ost/West-Ausrichtung

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
1	1	1	1	1	1	1	1	2	2	2	2
2	1	1	1	1	1	1	1	2	2	2	2
3	1	1	1	1	1	1	1	1	2	2	2
4	1	1	1	1	1	1	1	1	2	2	2
5	1	1	1	1	1	1	1	1	1	2	2
6	1	1	1	1	1	1	1	1	1	2	2
7	1	1	1	1	1	1	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1

Süd-Ausrichtung

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
1	1	1	1	1	1	1	1	1	2	2	2
2	1	1	1	1	1	1	1	1	1	2	2
3	1	1	1	1	1	1	1	1	1	2	2
4	1	1	1	1	1	1	1	1	1	2	2
5	1	1	1	1	1	1	1	1	1	1	2
6	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1

Durchschnittliche Außentemperatur im Sommer = 35°C

Ost/West-Ausrichtung

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
1	1	1	1	1	1	1	2	2	2	2	3
2	1	1	1	1	1	1	2	2	2	2	3
3	1	1	1	1	1	1	2	2	2	2	2
4	1	1	1	1	1	1	1	2	2	2	2
5	1	1	1	1	1	1	1	2	2	2	2
6	1	1	1	1	1	1	1	1	2	2	2
7	1	1	1	1	1	1	1	1	2	2	2
8	1	1	1	1	1	1	1	1	1	2	2
9	1	1	1	1	1	1	1	1	1	1	2
10	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1

Süd-Ausrichtung

Vent height (mm)

Colour range	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
1	1	1	1	1	1	1	1	2	2	2	2
2	1	1	1	1	1	1	1	2	2	2	2
3	1	1	1	1	1	1	1	1	2	2	2
4	1	1	1	1	1	1	1	1	2	2	2
5	1	1	1	1	1	1	1	1	2	2	2
6	1	1	1	1	1	1	1	1	1	2	2
7	1	1	1	1	1	1	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1

1	013.6340
2	013.6342
3	013.6344

**Zur Beurteilung der Funktionalität des Elements kann eine projektbezogene Berechnung angefordert werden.*

Bitte beachten Sie das Kapitel „Lösungen“, um alle Einzelheiten zu jeder Maßnahme zu erfahren.

Die Auslenkung des Profils ist auf die schnelle Erwärmung durch Sonnenstrahlung zurückzuführen und ist vorübergehender Art. Sie wird zu bestimmten Zeiten an bestimmten Tagen des Jahres auftreten. Die Diagramme wurden unter Berücksichtigung der maximal möglichen Auslenkung ermittelt, die auftreten kann, wenn das Profil der maximal möglichen Sonneneinstrahlung und der spezifischen Außentemperatur ausgesetzt ist. Eine projektbezogene Berechnung zum Beurteilen der Funktionalität des Elements kann angefordert werden.

C

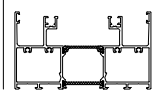
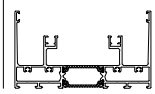
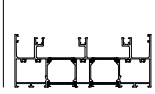
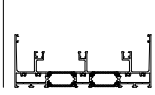
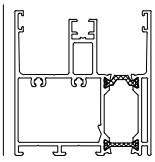
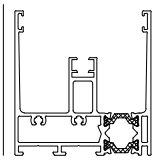
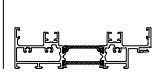
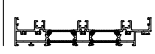
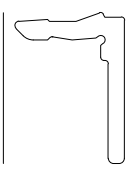
Reynaers Aluminium

Profielen
Profilés
Profiles
Profile

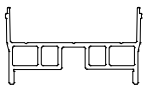
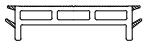
Art. N°			Art. N°		
006.1075.–	47J.C.004	D3002897	013.6317.XX	47J.C.003	D0102682
006.1075.–	47J.C.028	D0102181	013.6317.XX	47J.C.021	D3000449
006.1076.17	47J.C.004	D3002897	013.6318.XX	47J.C.003	D0102682
006.1076.17	47J.C.028	D0102181	013.6318.XX	47J.C.023	D0102297
006.1077.04	47J.C.004	D3002897	013.6319.XX	47J.C.003	D0102682
006.1077.04	47J.C.028	D0102181	013.6319.XX	47J.C.023	D0102297
013.5303.XX	47J.C.002	D0102680	013.6321.XX	47J.C.001	D0102673
013.5303.XX	47J.C.014	D0102171	013.6321.XX	47J.C.006	D0102047
013.5306.XX	47J.C.003	D0102682	013.6322.XX	47J.C.001	D0102673
013.5306.XX	47J.C.020	D0102175	013.6322.XX	47J.C.006	D0102047
013.5309.XX	47J.C.003	D0102682	013.6323.XX	47J.C.001	D0102673
013.5309.XX	47J.C.022	D0102176	013.6323.XX	47J.C.009	D3002702
013.5312.XX	47J.C.002	D0102680	013.6324.XX	47J.C.001	D0102673
013.5312.XX	47J.C.018	D0102173	013.6325.XX	47J.C.001	D0102673
013.5313.XX	47J.C.002	D0102680	013.6325.XX	47J.C.007	D0102166
013.5313.XX	47J.C.019	D3000818	013.6326.XX	47J.C.001	D0102673
013.5314.XX	47J.C.002	D0102680	013.6326.XX	47J.C.007	D0102166
013.5314.XX	47J.C.018	D0102173	013.6327.XX	47J.C.001	D0102673
013.5315.XX	47J.C.002	D0102680	013.6327.XX	47J.C.011	D0102169
013.5315.XX	47J.C.019	D3000818	013.6328.XX	47J.C.004	D3002897
013.5327.XX	47J.C.004	D3002897	013.6328.XX	47J.C.025	D0102177
013.5327.XX	47J.C.027	D3002590	013.6329.XX	47J.C.001	D0102673
013.5328.SY	47J.C.003	D0102682	013.6329.XX	47J.C.009	D3002702
013.5328.SY	47J.C.020	D0102175	013.6330.XX	47J.C.004	D3002897
013.5329.SY	47J.C.003	D0102682	013.6330.XX	47J.C.026	D0102178
013.5329.SY	47J.C.022	D0102176	013.6331.XX	47J.C.004	D3002897
013.5330.SY	47J.C.001	D0102673	013.6331.XX	47J.C.026	D0102178
013.5330.SY	47J.C.010	D0102168	013.6332.XX	47J.C.004	D3002897
013.5332.SY	47J.C.001	D0102673	013.6332.XX	47J.C.025	D0102177
013.5332.SY	47J.C.010	D0102168	013.6333.XX	47J.C.004	D3002897
013.5334.SY	47J.C.004	D3002897	013.6333.XX	47J.C.025	D0102177
013.5334.SY	47J.C.027	D3002590	013.6335.XX	47J.C.001	D0102673
013.5358.XX	47J.C.004	D3002897	013.6335.XX	47J.C.011	D0102169
013.5358.XX	47J.C.027	D3002590	013.6336.XXPU	47J.C.003	D0102682
013.5385.SY	47J.C.001	D0102673	013.6336.XXPU	47J.C.024	D3008771
013.5385.SY	47J.C.010	D0102168	013.6340.XX	47J.C.002	D0102680
013.6300.XX	47J.C.002	D0102680	013.6340.XX	47J.C.016	D3008772
013.6300.XX	47J.C.012	D0102170	013.6342.XX	47J.C.002	D0102680
013.6301.XX	47J.C.002	D0102680	013.6342.XX	47J.C.016	D3008772
013.6301.XX	47J.C.012	D0102170	013.6344.XX	47J.C.002	D0102680
013.6302.XX	47J.C.003	D0102682	013.6344.XX	47J.C.017	D3008773
013.6302.XX	47J.C.020	D0102175	013.6400.XX	47J.C.002	D0102680
013.6303.XX	47J.C.003	D0102682	013.6400.XX	47J.C.013	D0102512
013.6303.XX	47J.C.020	D0102175	013.6401.XX	47J.C.002	D0102680
013.6304.XX	47J.C.003	D0102682	013.6401.XX	47J.C.013	D0102512
013.6304.XX	47J.C.020	D0102175	013.6410.XX	47J.C.002	D0102680
013.6305.XX	47J.C.001	D0102673	013.6410.XX	47J.C.015	D0102514
013.6305.XX	47J.C.011	D0102169	013.6411.XX	47J.C.002	D0102680
013.6306.XX	47J.C.001	D0102673	013.6411.XX	47J.C.015	D0102514
013.6306.XX	47J.C.011	D0102169	013.6835.SY	47J.C.001	D0102673
013.6307.XX	47J.C.003	D0102682	013.6835.SY	47J.C.011	D0102169
013.6307.XX	47J.C.022	D0102176	034.0420.XX	47J.C.004	D3002897
013.6308.XX	47J.C.003	D0102682	034.0420.XX	47J.C.029	D0102674
013.6308.XX	47J.C.022	D0102176	0M0.3010.XX	47J.C.003	D0102682
013.6309.XX	47J.C.003	D0102682	0M0.3010.XX	47J.C.020	D0102175
013.6309.XX	47J.C.022	D0102176	0M0.3010.XX	47J.C.022	D0102176
013.6310.XX	47J.C.002	D0102680	106.0083.17	47J.C.004	D3002897
013.6310.XX	47J.C.014	D0102171	106.0083.17	47J.C.029	D0102674
013.6311.XX	47J.C.002	D0102680	106.0090.XX	47J.C.004	D3002897
013.6311.XX	47J.C.014	D0102171	106.0090.XX	47J.C.029	D0102674
013.6312.XX	47J.C.002	D0102680	408.0179.XX	47J.C.005	D3008788
013.6312.XX	47J.C.012	D0102170	508.0179.XX	47J.C.005	D3008788
013.6313.XX	47J.C.002	D0102680			
013.6313.XX	47J.C.014	D0102171			
013.6314.XX	47J.C.001	D0102673			
013.6314.XX	47J.C.008	D0102167			
013.6315.XX	47J.C.001	D0102673			
013.6315.XX	47J.C.008	D0102167			
013.6316.XX	47J.C.003	D0102682			
013.6316.XX	47J.C.021	D3000449			

C

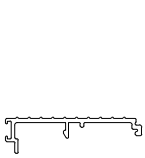
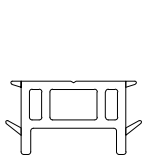
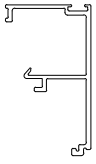
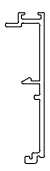
KADERPROFIEL
PROFILE DORMANT
FRAME PROFILE
BLENDRAHMENPROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
013.6321.XX		78.84	33.7	6.50	100.403	37.624
013.6322.XX		72.06	37.2	6.50	104.317	26.530
013.6325.XX		85.36	34.5	6.50	271.227	48.852
013.6326.XX		87.50	38.0	6.50	274.666	31.309
013.6314.XX		46.88	23.3	6.50	21.459	27.784
013.6315.XX		70.76	25.0	6.50	21.604	21.806
013.6323.XXPU		51.34	20.3	6.50	63.822	5.528
013.6324.XX		68.93	28.3	6.50	183.306	7.287
013.6329.XX		4.65	1.4	6.50	0.028	0.058

THERMISCHE ONDERBREKING
BOUCLIER THERMIQUE
THERMAL BREAK
THERMISCHE UNTERBRECHUNG

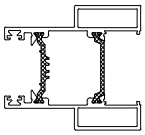
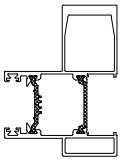
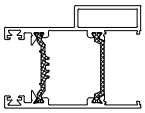
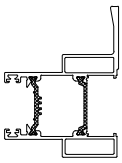
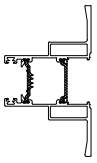
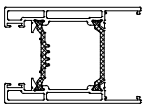
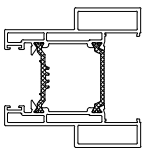
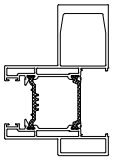
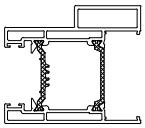
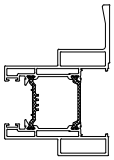
		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
013.5330.SY		-	-	6.50	-	-
013.5332.SY		-	-	6.50	-	-
013.5385.SY		-	-	6.50	-	-

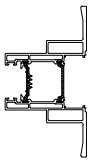
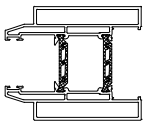
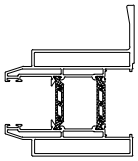
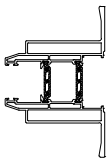
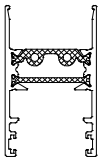
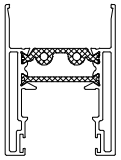
AFDEKPROFIEL
PROFILE DE RECOUVREMENT
COVERING PROFILE
ABDECKPROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
013.6305.XX		18.86	6.0	6.50	5.515	0.170
013.6835.SY		-	-		0.694	0.190
013.6306.XX		27.92	5.7		7.443	2.256
013.6335.XX		18.49	7.0	6.50	5.421	0.166
013.6327.XX		26.20	7.6		0.446	6.825

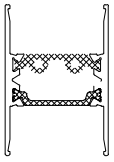
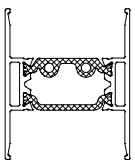
C

VLEUGELPROFIEL
PROFILE OUVRANT
VENT PROFILE
FLUEGELPROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
013.6300.XX		34.25	20.0	6.50	18.105	25.385
013.6301.XX		60.88	26.0	6.50	54.665	33.400
013.6312.XX		32.13	17.8		12.367	21.379
013.6400.XX		52.89	26.2	3.50 6.50	31.192	34.881
013.6401.XX		46.74	32.5	3.50 6.50	49.103	41.661
013.5303.XX		31.04	16.3	6.50	16.963	19.193
013.6310.XX		33.92	20.8	6.50	25.901	29.300
013.6311.XX		39.92	26.8	6.50	69.836	38.634
013.6313.XX		31.71	18.6	6.50	18.804	24.785
013.6410.XX		40.16	27.0	3.50 6.50	41.555	40.271

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
013.6411.XX		46.49	33.3	3.50 6.50	62.055	48.508
013.6340.XX		46.26	23.3	6.50	36.982	52.506
013.6342.XX		52.49	29.6	6.50	53.128	70.079
013.6344.XX		58.74	35.8	6.50	73.136	83.966
013.5312.XX		30.72	13.8	6.50	7.318	8.689
013.5313.XX		29.16	14.8	6.50	12.035	11.552

DWARSPROFIEL
TRAVERSE
TRANSOM
RIEGELPROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
013.5314.XX		13.67	5.6	6.50	5.667	4.044
013.5315.XX		23.48	11.1	6.50	9.015	4.797

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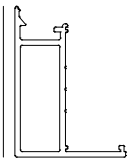
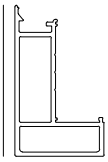
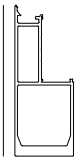
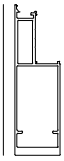
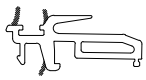
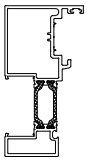
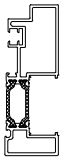
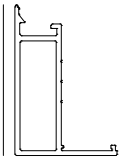
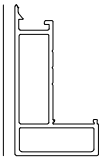
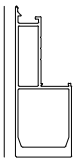
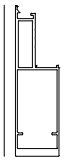
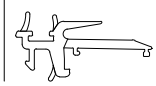
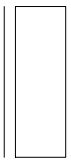
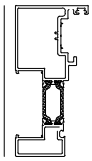
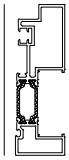
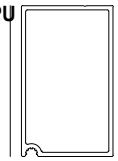
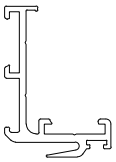
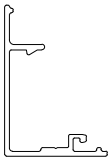
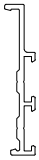
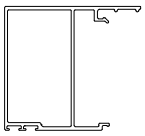
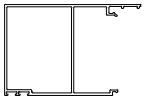
WISSELPROFIEL
CHICANE
MEETING SECTION
WECHSELPROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
013.5306.XX		18.10	8.2	6.50	4.878	1.781
013.6302.XX		20.37	10.4	6.50	9.396	3.481
013.6303.XX		26.37	16.4	6.50	41.445	7.589
013.6304.XX		31.57	21.6	6.50	91.512	10.042
013.5328.SY		-	-	6.60	-	-
0M0.3010.XX		8.00	8.0	6.00	2.250	0.250
013.6316.XX		35.18	15.8		40.403	11.220
013.6317.XX		32.86	17.9	3.50	32.789	6.499
013.5309.XX		18.52	8.6	6.50	6.048	1.848
013.6307.XX		20.78	10.8	6.50	11.200	3.566

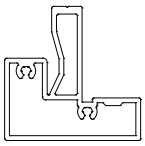
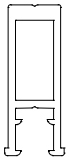
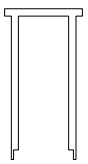
		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
013.6308.XX		26.78	16.8	6.50	45.895	7.706
013.6309.XX		31.98	22.0	6.50	99.068	10.189
013.5329.SY		-	66.9	6.50	0.160	0.956
0M0.3010.XX		8.00	8.0	6.00	2.250	0.250
013.6318.XX		37.15	16.1		50.411	11.903
013.6319.XX		34.41	18.4		40.371	6.763
013.6336.XXPU		18.65	5.7	6.50	12.131	5.541

C

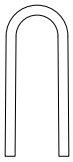
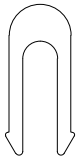
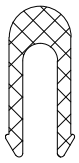
MUURPROFIEL
RACCORD MURAL
WALL SECTION
MAUERPROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
013.6328.XX		23.64	3.2	6.50	4.555	2.014
013.6333.XX		21.35	5.1	6.50	5.093	1.935
013.6332.XX		19.02	1.1	6.50	7.046	0.092
013.6331.XX		54.84	18.4	6.50	18.562	17.794
013.6330.XX		43.71	23.6	6.50	40.481	42.250

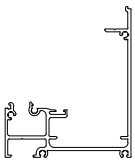
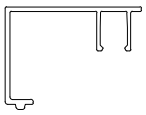
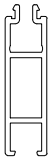
HOEKPAAL
PROFILE D'ANGLE
CORNER PROFILE
ECKPROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
013.5358.XX		20.62	8.7	6.50	6.338	5.982
013.5327.XX		10.68	0.8	6.50	1.049	0.185
013.5334.SY		-	-	6.50	-	-

RAIL INOX
RAIL INOX
RAIL INOX
RAIL INOX

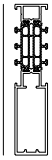
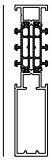
		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
006.1075.--		-	-	6.50	0.028	0.008
006.1076.17		4.98	-	6.50	0.039	0.011
006.1077.04		0.01	-	6.50	0.040	0.010

GOOT
GOUTTIERE
GUTTER
RINNENPROFIL

		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
106.0083.17		67.14	-	7.00	57.896	47.021
106.0090.XX		25.66	5.3	7.00	7.337	3.645
034.0420.XX		13.85	6.5	7.00	-	-

C

KOPPELPROFIEL
PROFILE DE RACCORDEMENT
CONNECTION PROFILE
KUPPLUNGSPROFIL

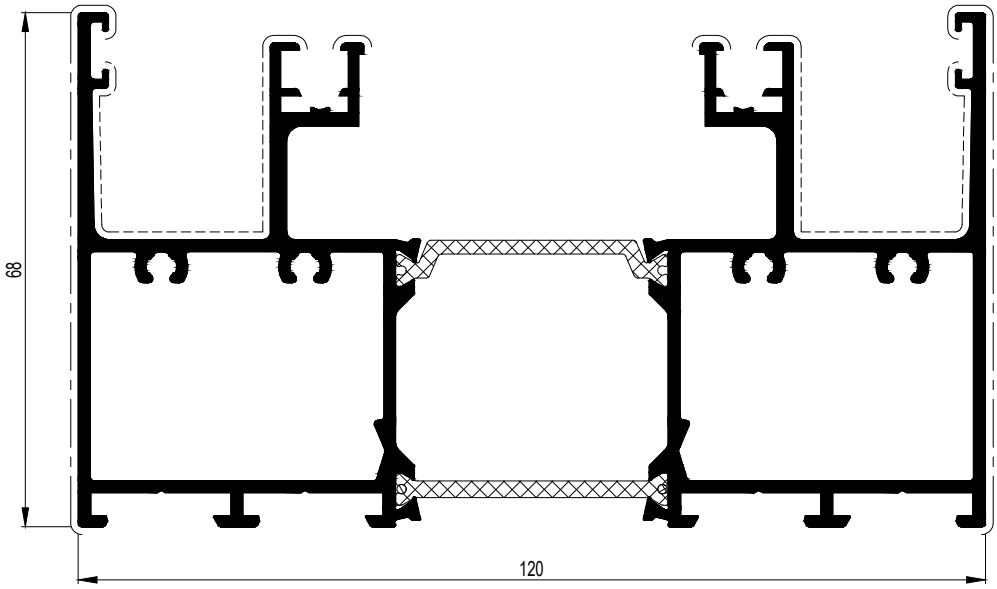
		A dm²/m	P dm²/m	Lm	Ix cm⁴	Iy cm⁴
408.0179.XX		26.28	16.6	7.00	47.826	4.167
508.0179.XX		26.26	16.6	7.00	47.826	4.167

C

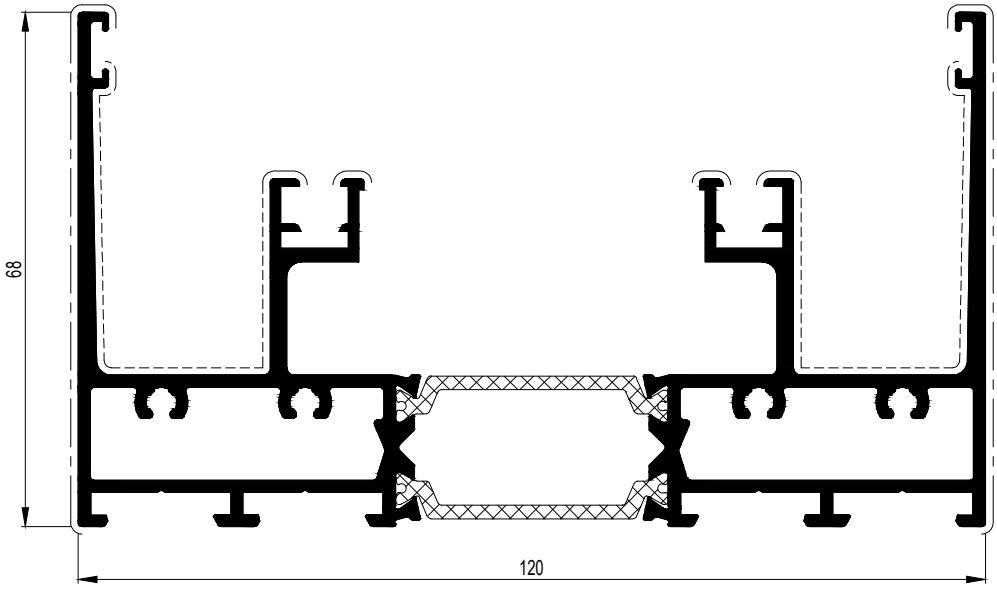
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6321.XX	78.84	33.7	6.50	100.403	16.705	60.10	37.624	10.064	30.82
013.6322.XX	72.06	37.2	6.50	104.317	17.356	60.10	26.530	5.903	23.27

X
Y Y
X 0

013.6321.XX



013.6322.XX



C

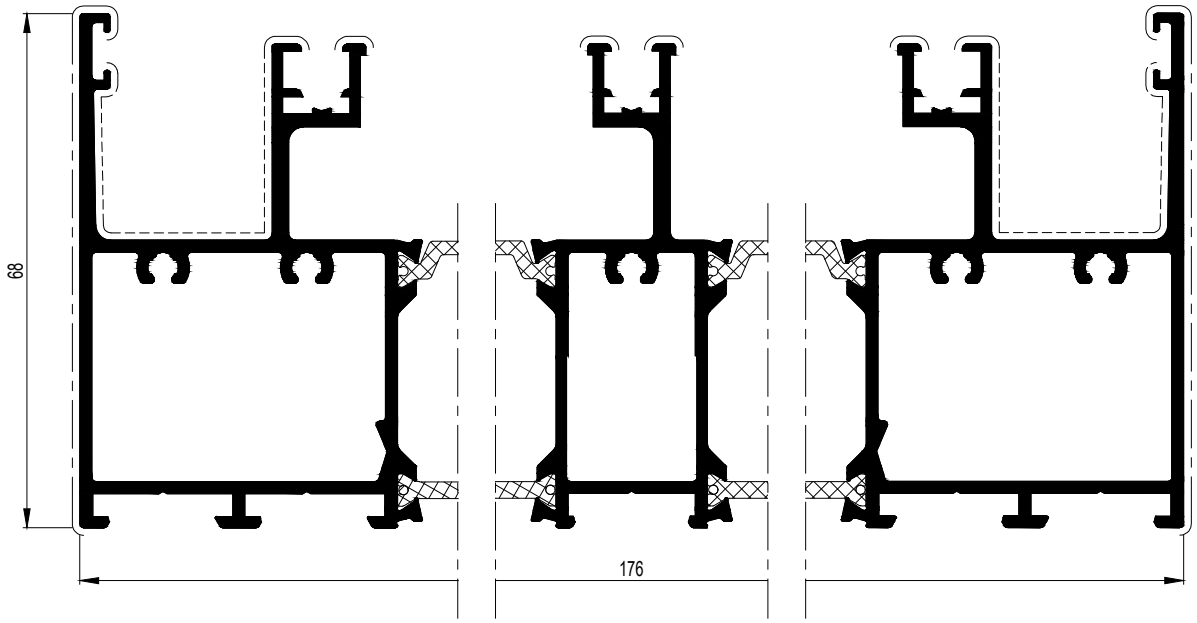
013.6321.XX	
052.5325.--	---

013.6322.XX	
052.5325.--	097.0815.00

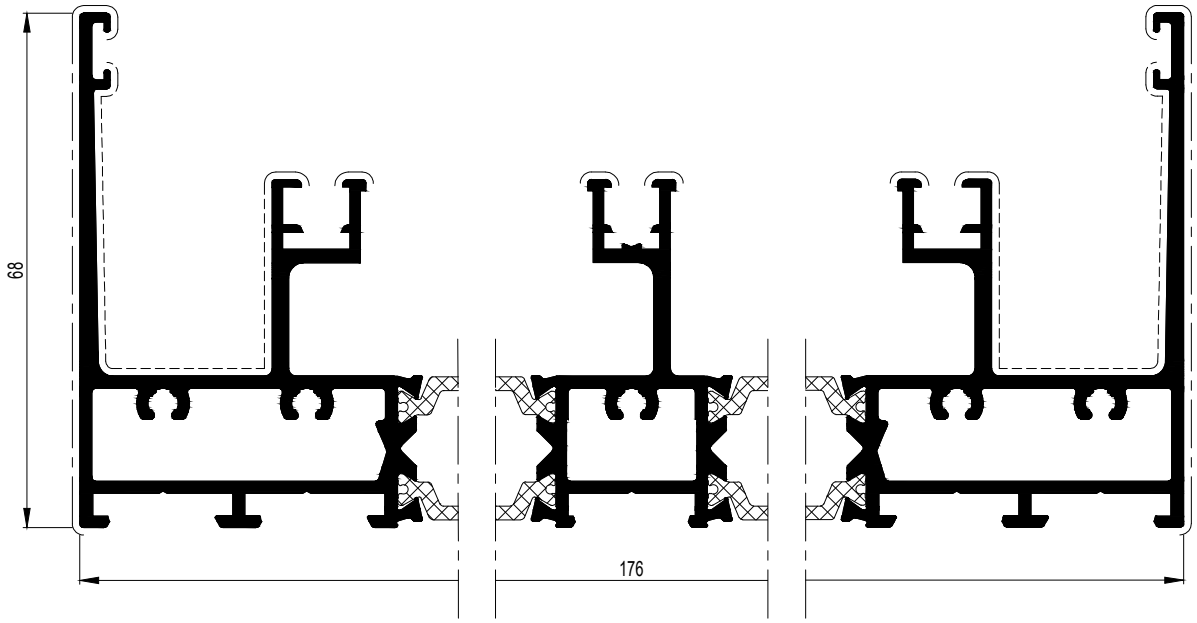
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6325.XX	85.36	34.5	6.50	271.227	30.748	88.00	48.852	12.928	30.42
013.6326.XX	87.50	38.0	6.50	274.666	31.135	87.99	31.309	6.816	22.28

X
Y Y
X 0

013.6325.XX



013.6326.XX

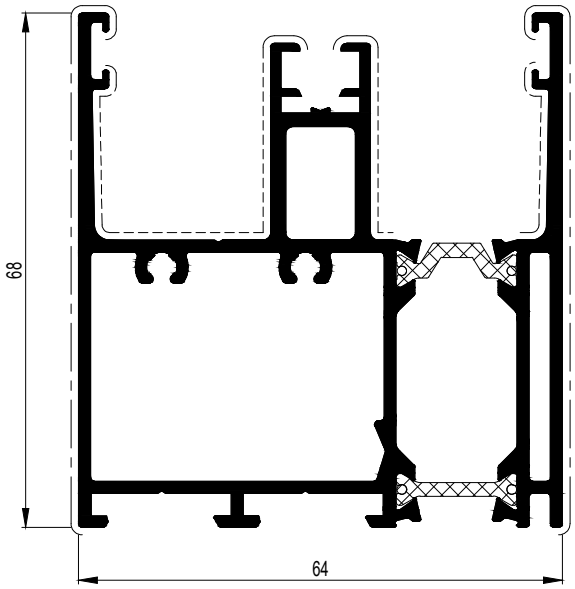


C

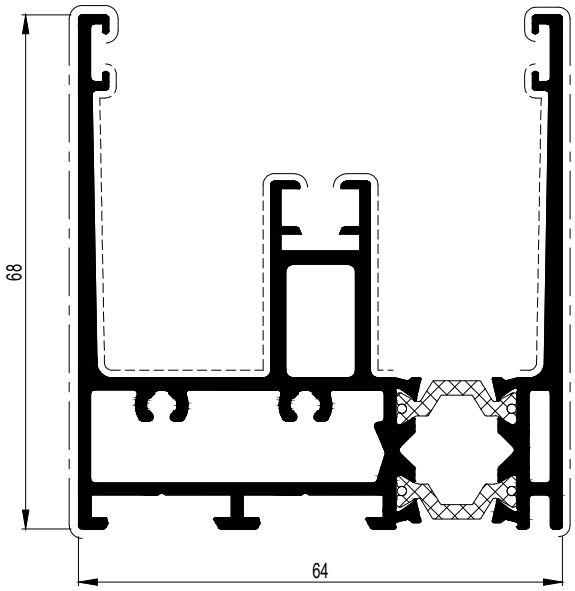
013.6325.XX		013.6326.XX	
052.5325.--	---	052.5325.--	---

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6315.XX	70.76	25.0	6.50	21.604	6.608	31.51	21.806	5.024	24.80
013.6314.XX	46.88	23.3	6.50	21.459	6.295	30.12	27.784	7.477	31.05

013.6314.XX



013.6315.XX

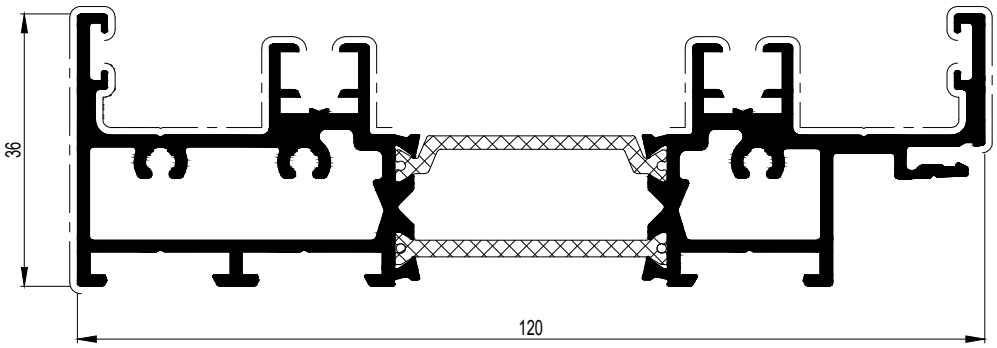


C

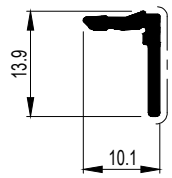
013.6315.XX		013.6314.XX	
052.5325.--	---	052.5325.--	---

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6323.XXPU	51.34	20.3	6.50	63.822	10.073	63.36	5.528	2.759	16.17
013.6329.XX	4.65	1.4	6.50	0.028	0.037	2.81	0.058	0.062	9.31
013.6324.XX	68.93	28.3	6.50	183.306	20.037	91.48	7.287	3.600	15.76

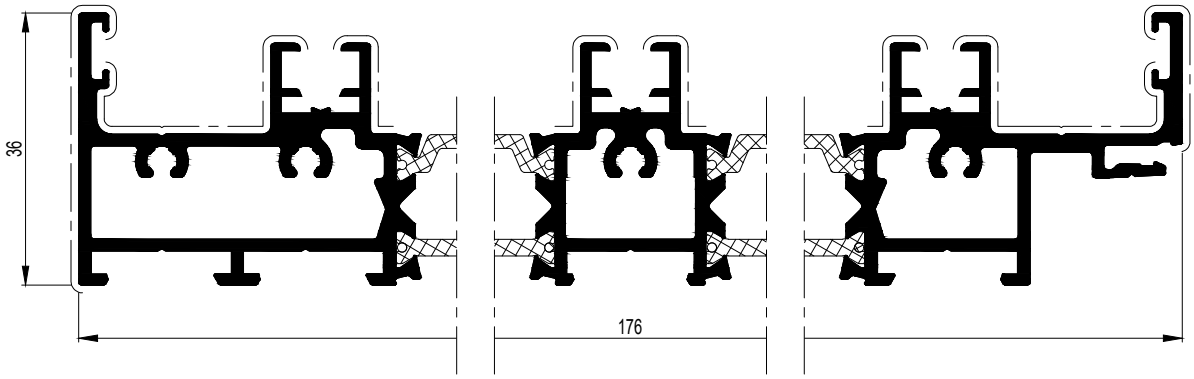
013.6323.XX



013.6329.XX



013.6324.XX

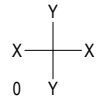


C

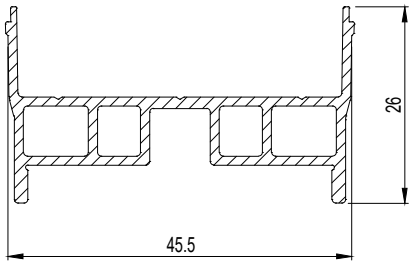
013.6323.XX	
052.5325.--	---

013.6324.XX	
052.5325.--	---

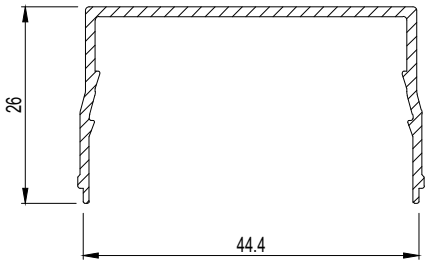
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.5330.SY	-	-	6.50	-	-	-	-	-	-
013.5332.SY	-	-	6.50	-	-	-	-	-	-
013.5385.SY	-	-	6.50	-	-	-	-	-	-



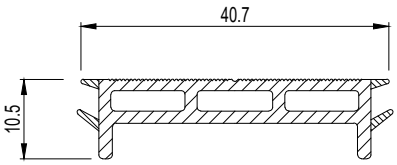
013.5330.SY



013.5332.SY



013.5385.SY

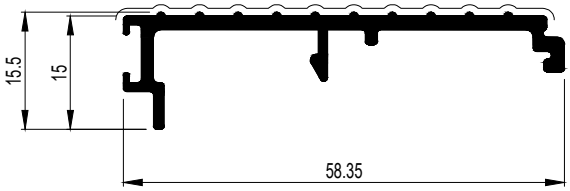


C

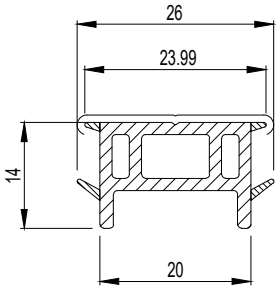
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6305.XX	18.86	6.0	6.50	5.515	1.739	31.72	0.170	0.137	12.35
013.6835.SY	-	-		0.694	0.533	13.02	0.190	0.223	8.52
013.6306.XX	27.92	5.7		7.443	2.110	35.27	2.256	0.938	24.06
013.6335.XX	18.49	7.0	6.50	5.421	1.720	31.51	0.166	0.136	12.17
013.6327.XX	26.20	7.6		0.446	0.432	4.88	6.825	1.922	35.52

X
Y — Y
X 0

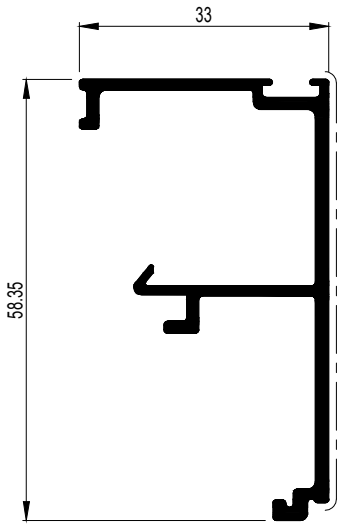
013.6305.XX



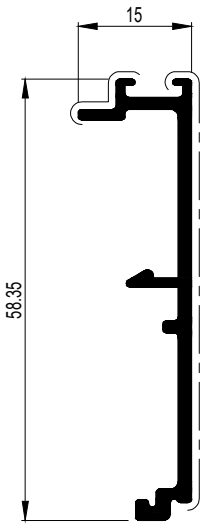
013.6835.SY



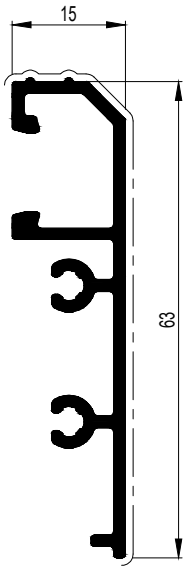
013.6306.XX



013.6335.XX



013.6327.XX

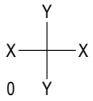


C

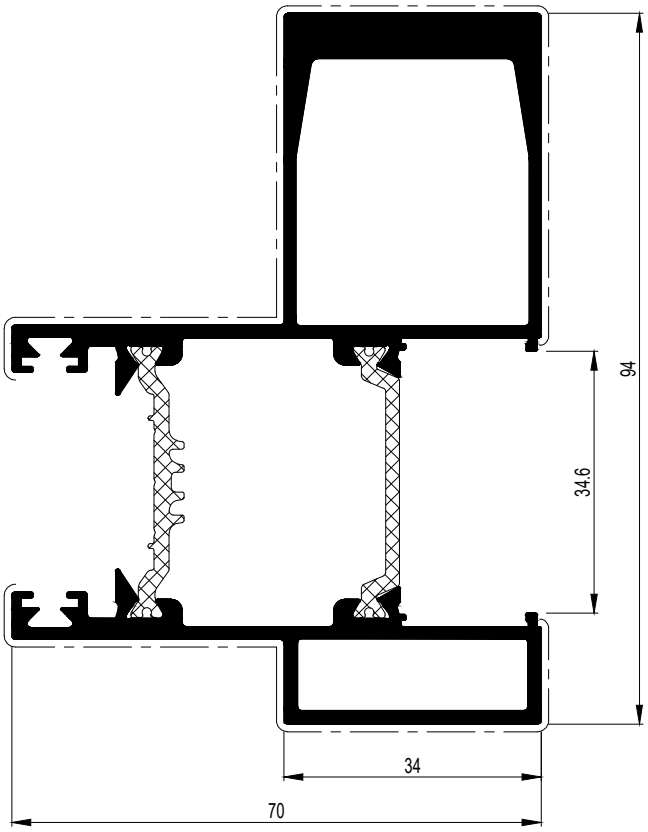
SlimPatio 68

STANDAARD VLEUGELPROFIEL
PROFILE OUVRANT CLASSIQUE
STANDARD VENT PROFILE
STANDARD FLUEGELPROFIL

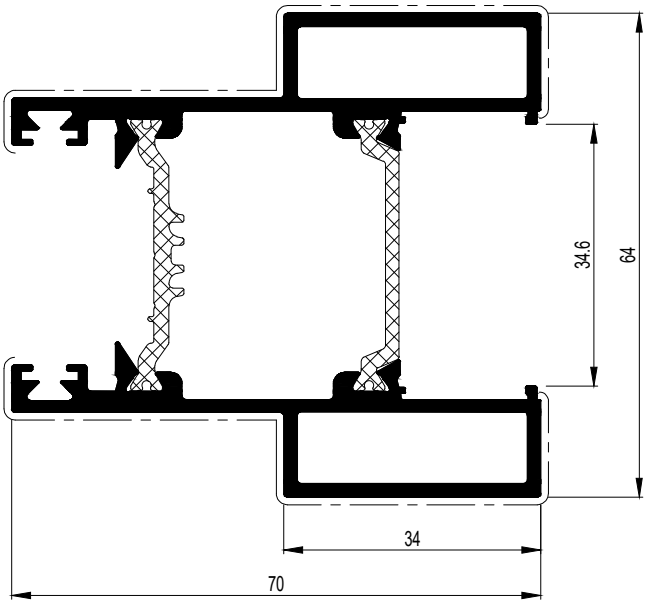
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6300.XX	34.25	20.0	6.50	18.105	5.639	32.10	25.385	6.678	38.01
013.6301.XX	60.88	26.0	6.50	54.665	10.895	50.18	33.400	7.852	42.53
013.6312.XX	32.13	17.8	6.50	12.367	4.661	26.48	21.379	6.072	35.21



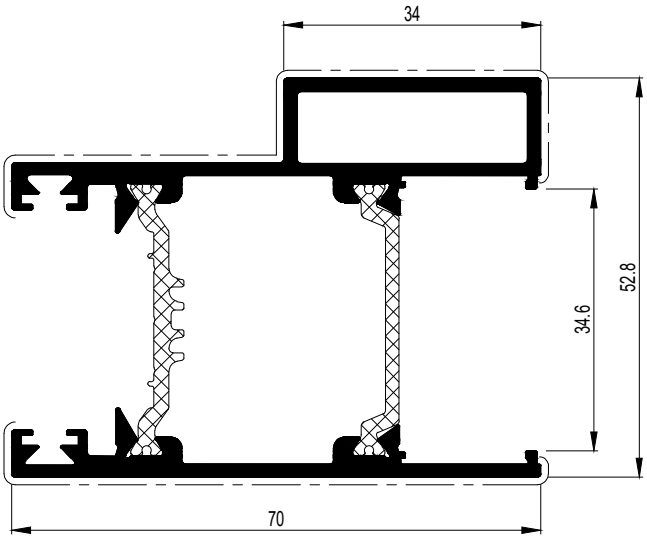
013.6301.XX



013.6300.XX



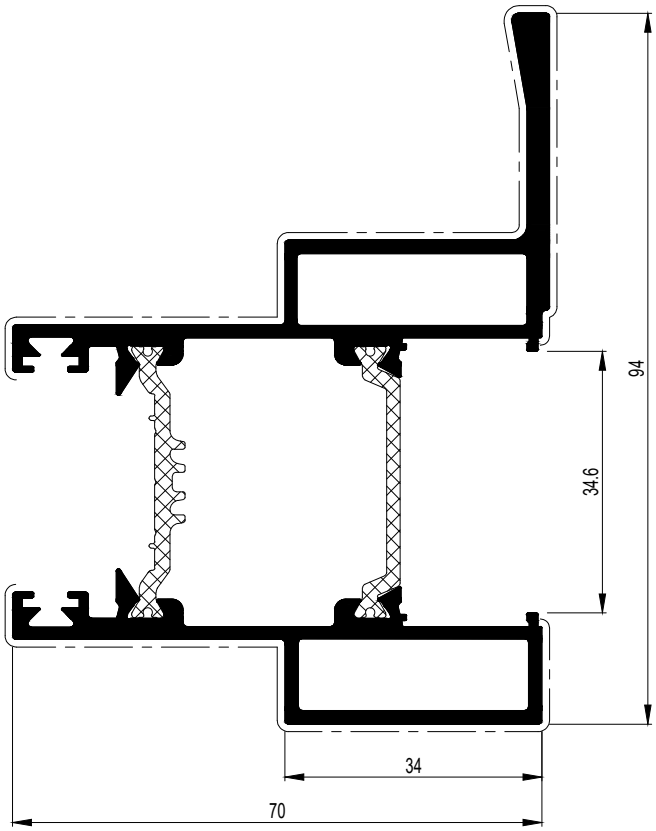
013.6312.XX



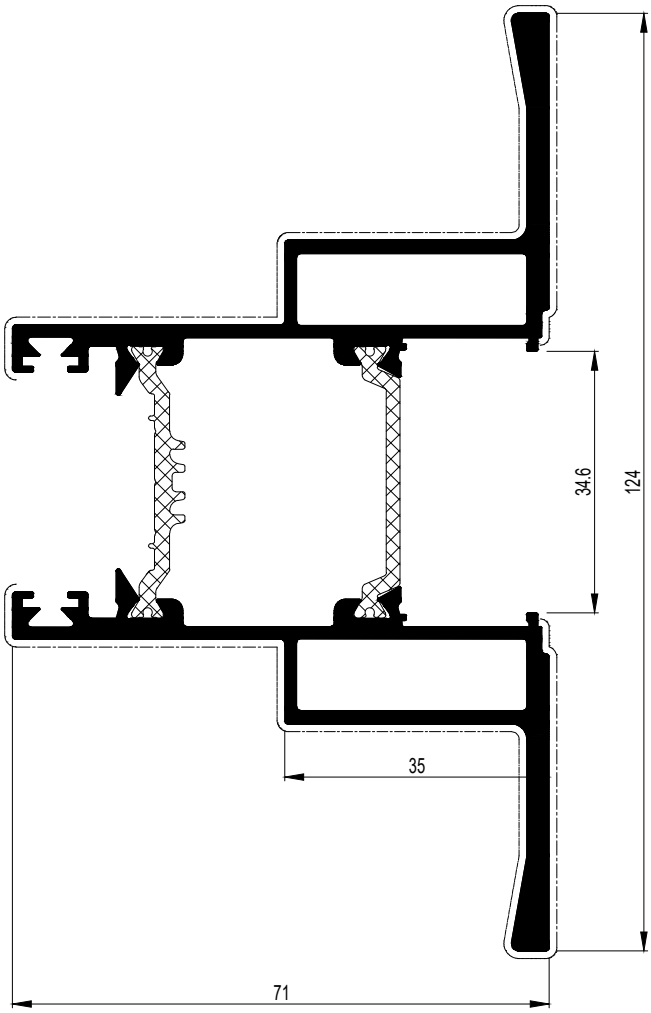
C

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6400.XX	52.89	26.2	3.50	31.192	5.710	39.71	34.881	8.070	43.23
013.6401.XX	46.74	32.5	3.50	49.103	7.891	62.23	41.661	8.869	46.97

013.6400.XX



013.6401.XX

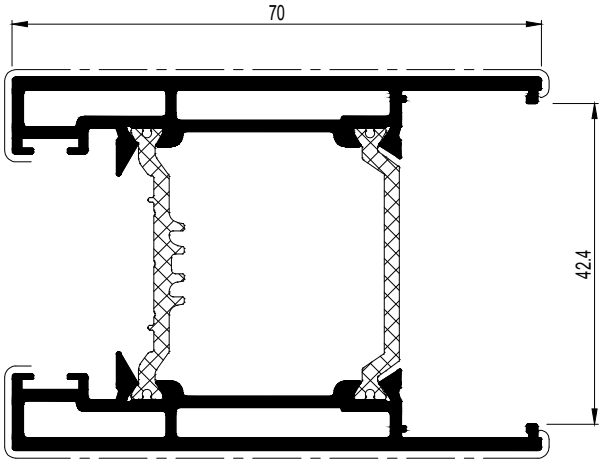


C

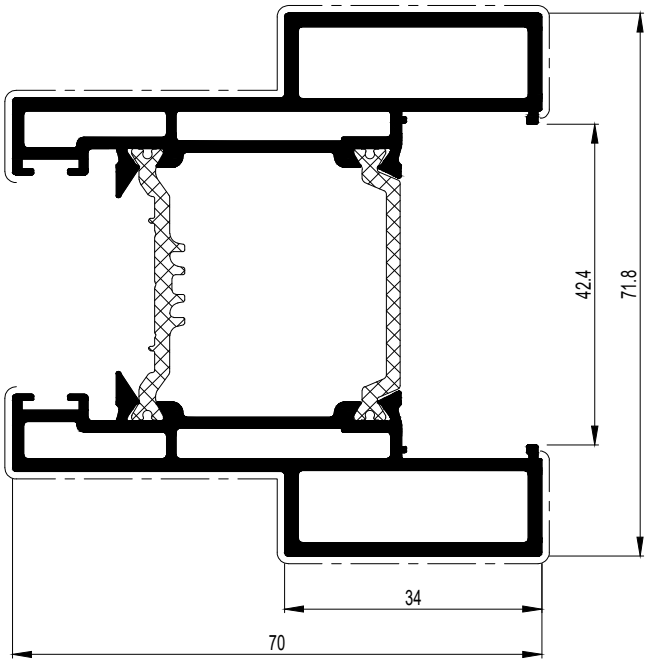
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.5303.XX	31.04	16.3	6.50	16.963	6.867	24.70	19.193	4.800	30.01
013.6310.XX	33.92	20.8	6.50	25.901	7.194	36.00	29.300	8.107	36.14
013.6311.XX	39.92	26.8		69.836	13.212	52.86	38.634	9.516	40.60
013.6313.XX	31.71	18.6	6.50	18.804	6.076	29.86	24.785	6.769	33.59

Y
X X
0 Y

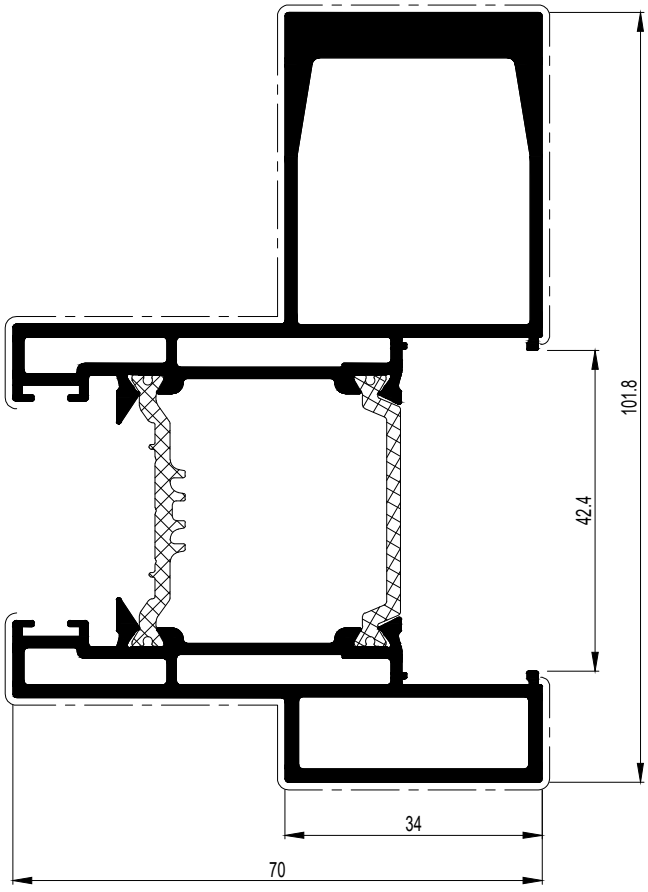
013.5303.XX



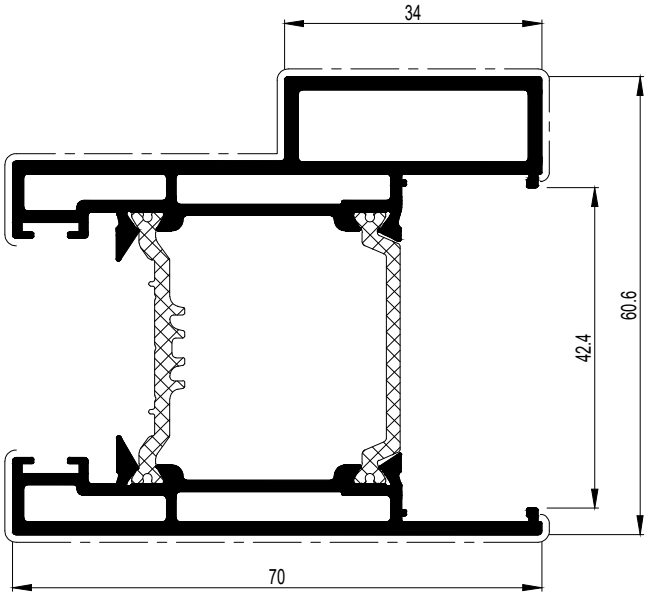
013.6310.XX



013.6311.XX



013.6313.XX

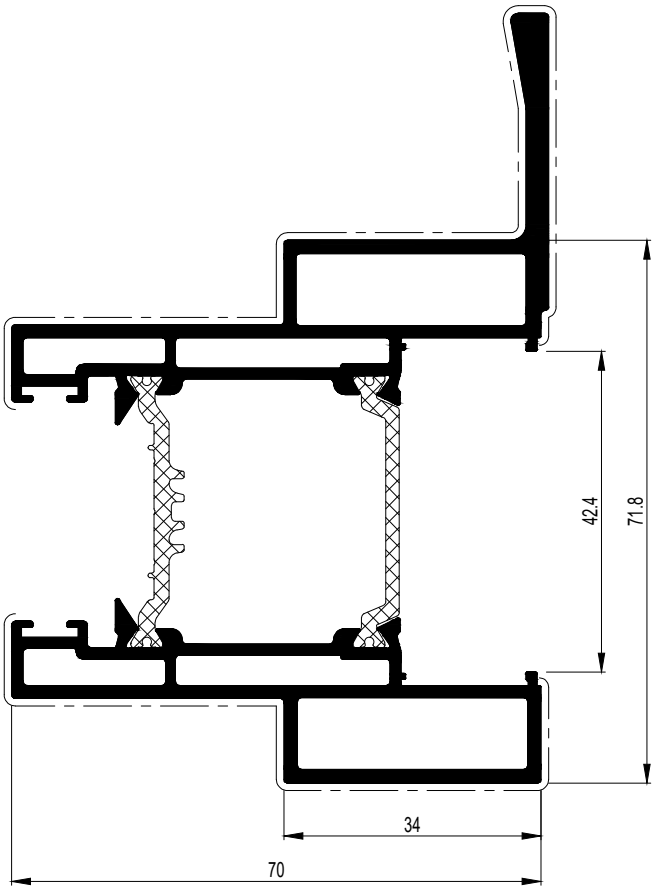


C

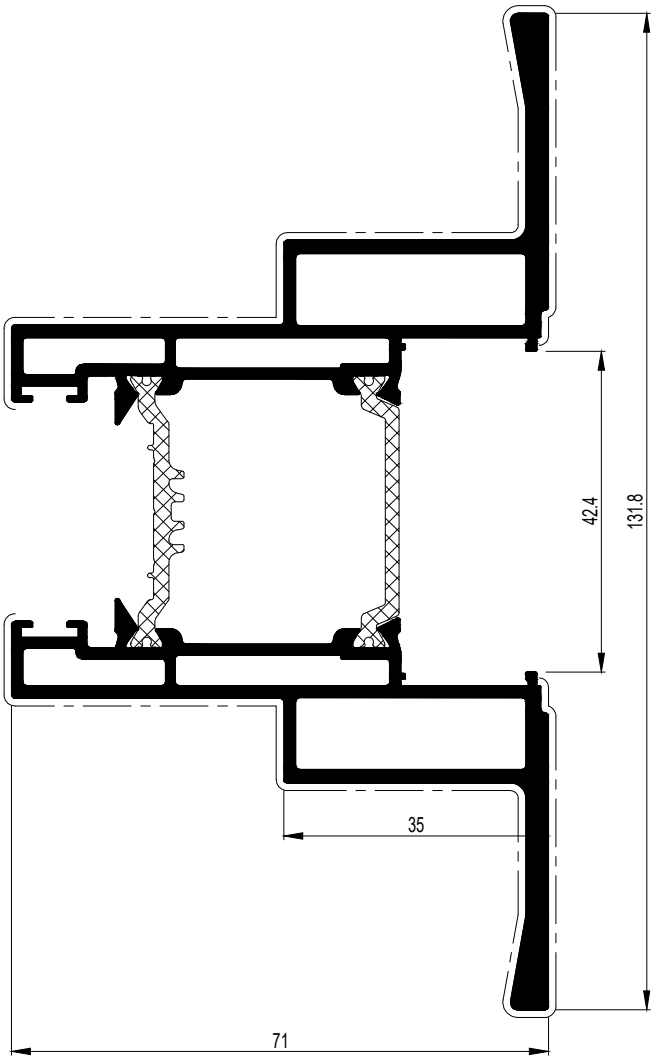
GROOT VLEUGELPROFIEL MET HANDGREEP
PROFILE OUVRANT GRAND AVEC POIGNEE
LARGE VENT PROFILE WITH HANDLE
GROB FLUEGELPROFIL MIT GRIFF

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6410.XX	40.16	27.0	3.50	41.555	7.033	43.05	40.271	9.855	40.86
013.6411.XX	46.49	33.3	3.50	62.055	9.384	66.13	48.508	10.919	44.42

013.6410.XX

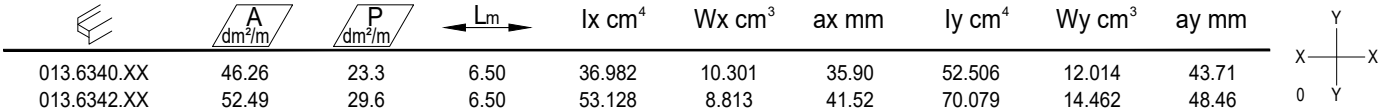


013.6411.XX

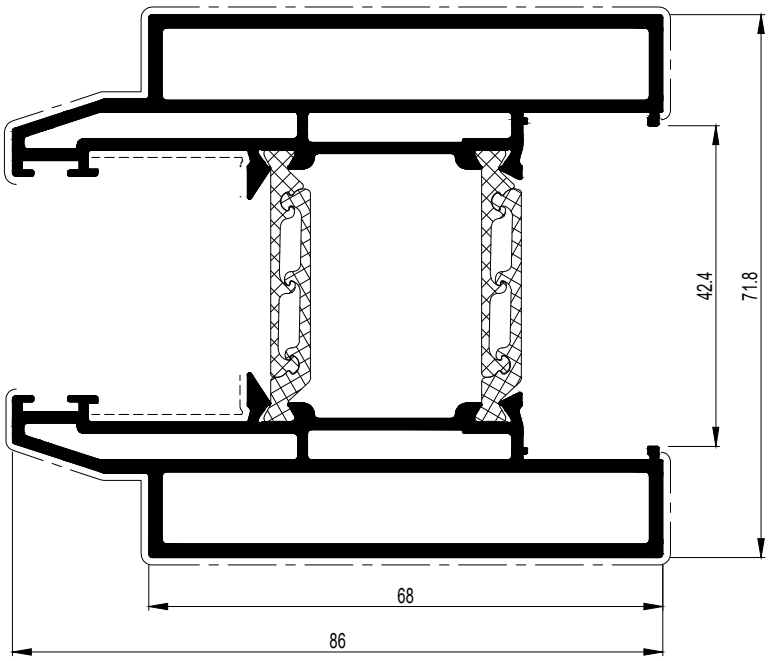


C

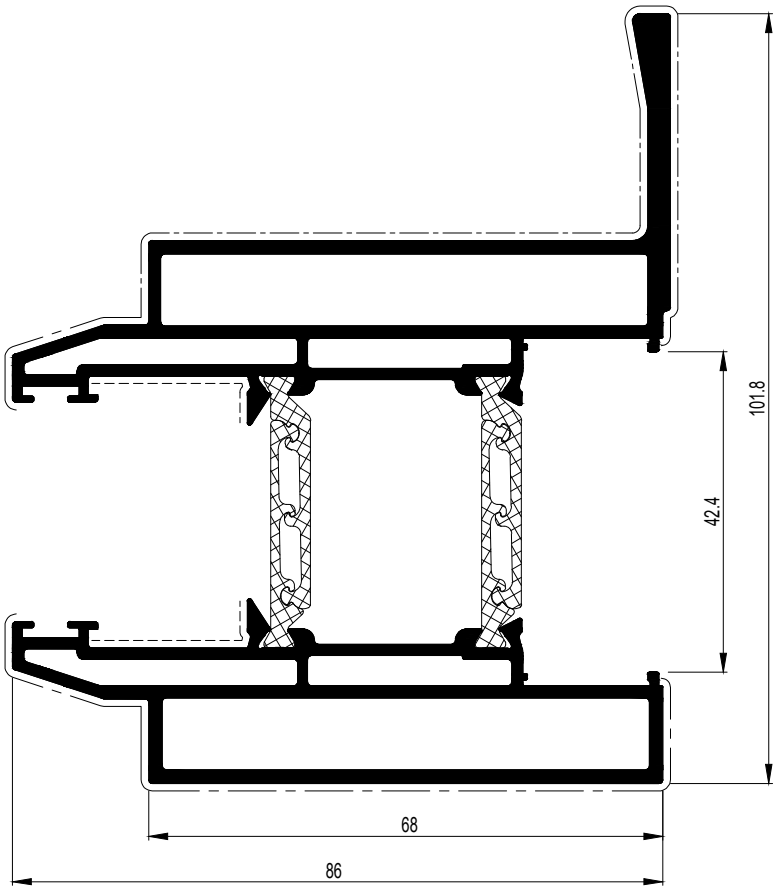
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6340.XX	46.26	23.3	6.50	36.982	10.301	35.90	52.506	12.014	43.71
013.6342.XX	52.49	29.6	6.50	53.128	8.813	41.52	70.079	14.462	48.46



013.6340.XX



013.6342.XX

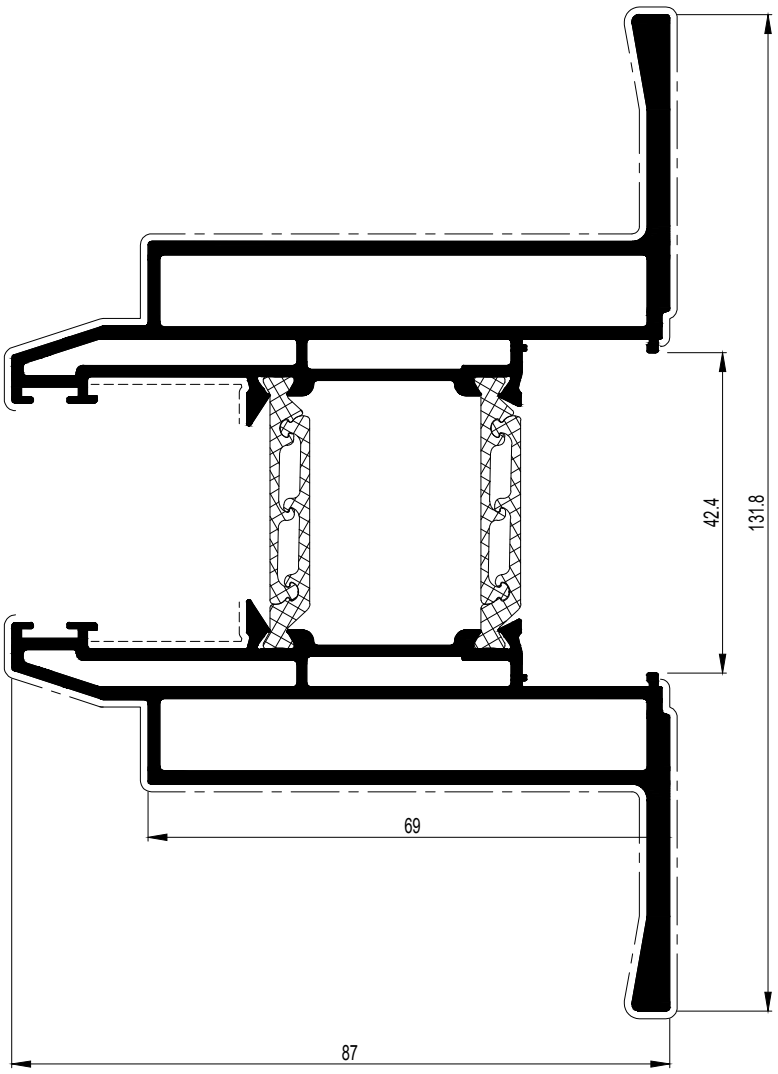


Bicolor

C

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6344.XX	58.74	35.8	6.50	73.136	11.098	65.90	83.966	16.068	52.26

013.6344.XX

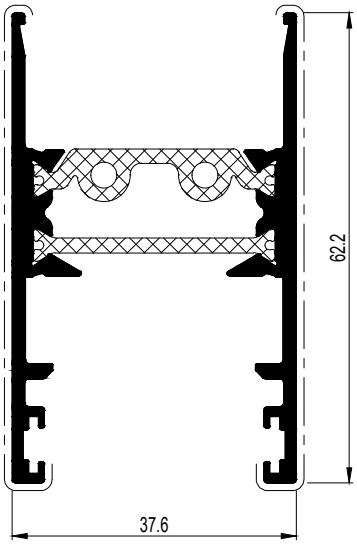


C

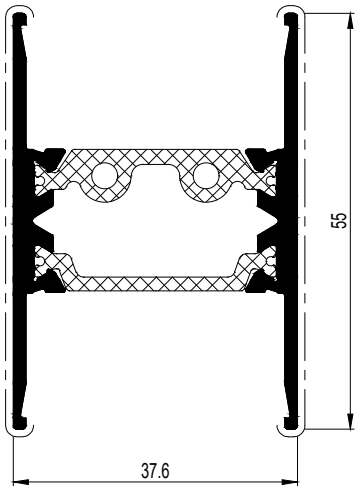
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.5314.XX	13.67	5.6	6.50	5.667	3.014	18.80	4.044	1.526	26.50
013.5312.XX	30.72	13.8	6.50	7.318	3.893	18.80	8.689	2.673	29.70

X Y Y X 0

013.5312.XX



013.5314.XX



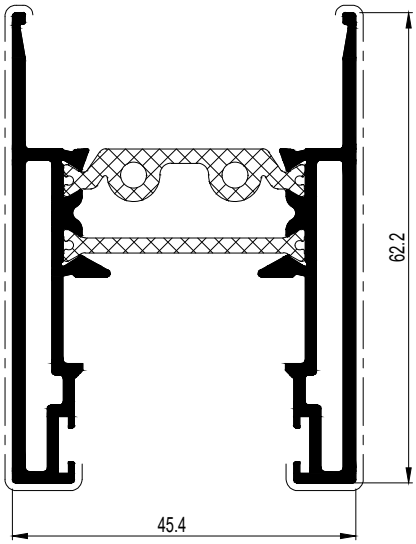
C

013.5314.XX	013.5312.XX
052.5325.--	052.5325.--

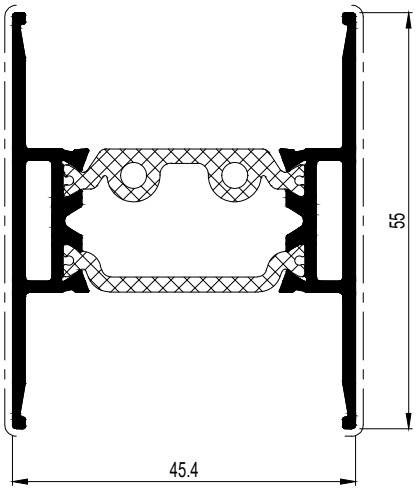
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.5313.XX	29.16	14.8	6.50	12.035	5.302	22.70	11.552	3.282	35.20
013.5315.XX	23.48	11.1	6.50	9.015	3.971	22.70	4.797	1.744	27.50

X Y Y X 0

013.5313.XX



013.5315.XX



C

013.5313.XX

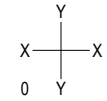
013.5313.XX	
~~052.5325.--~~ 052.5325.--	---

013.5315.XX
052.5325.--

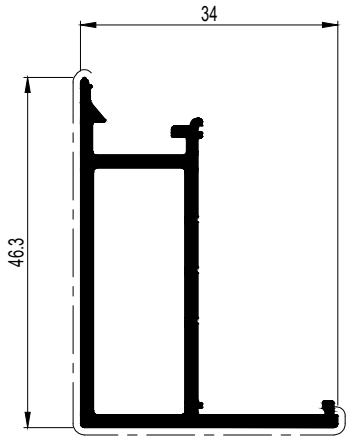
SlimPatio 68

STANDAARD WISSELPROFIEL
CHICANE CLASSIQUE
STANDARD MEETING SECTION
STANDARD WECHSELPROFIL

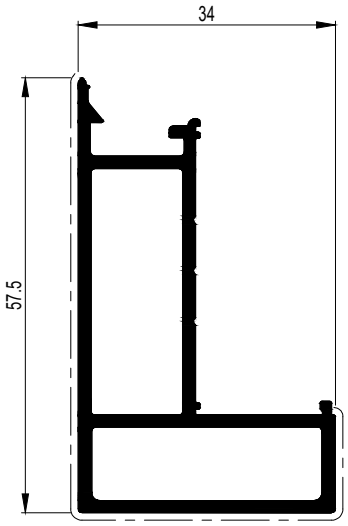
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.5306.XX	18.10	8.2	6.50/7.00	4.878	1.732	18.13	1.781	0.748	10.18
013.5328.SY	-	-	6.60	-	-	-	-	-	-
013.6302.XX	20.37	10.4	6.50	9.396	2.643	22.05	3.481	1.580	12.18
013.6303.XX	26.37	16.4	6.50	41.445	7.222	30.22	7.589	3.816	14.32
013.6304.XX	31.57	21.6	6.50	91.512	13.291	44.75	10.042	5.058	14.35
0M0.3010.XX	8.00	8.0	6.00	2.250	1.500	15.00	0.250	0.500	5.00



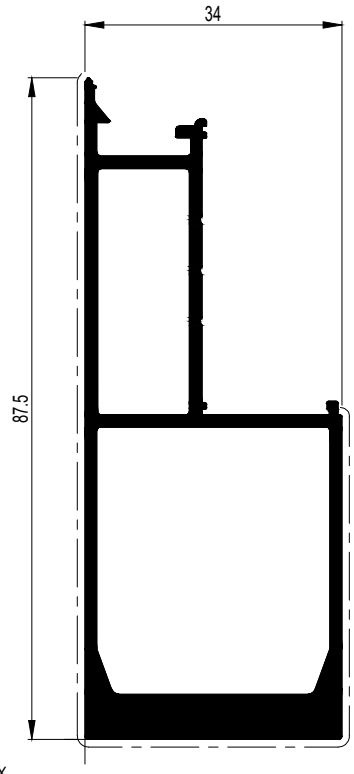
013.5306.XX



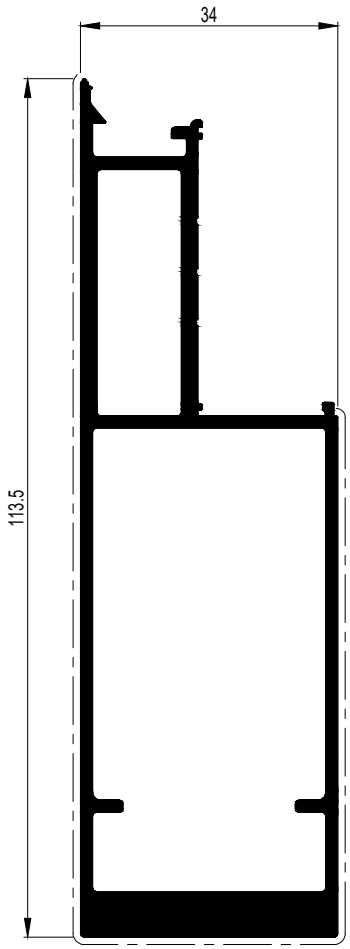
013.6302.XX



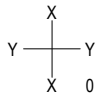
013.6303.XX

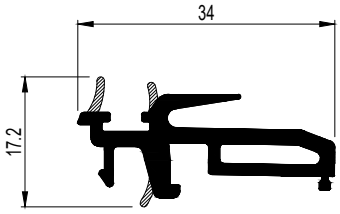


013.6304.XX

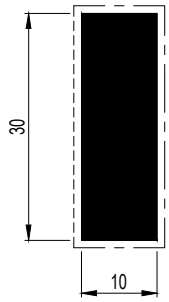


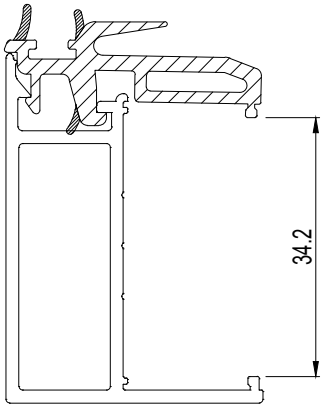
013.5328.SY





0M0.3010.XX

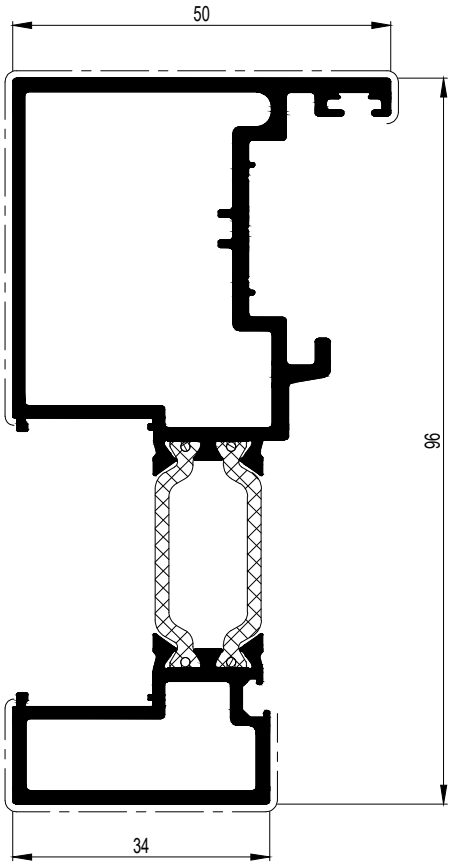




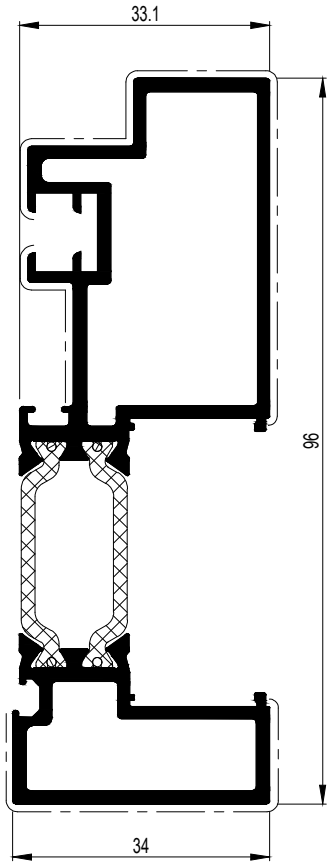
C

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6316.XX	35.18	15.8	3.50	40.403	7.803	51.78	11.220	3.968	21.93
013.6317.XX	32.86	17.9	3.50	32.789	6.665	47.01	6.499	3.665	16.48

013.6316.XX



013.6317.XX



C

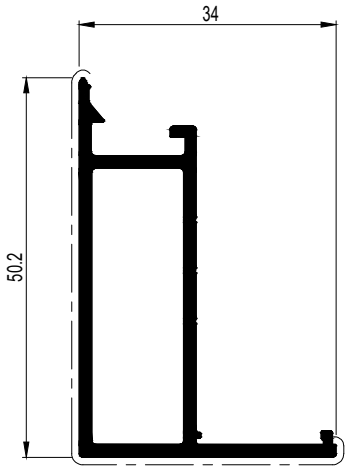
SlimPatio 68

GROOT WISSELPROFIEL
CHICANE GRAND
LARGE MEETING SECTION
GROB WECHSELPROFIL

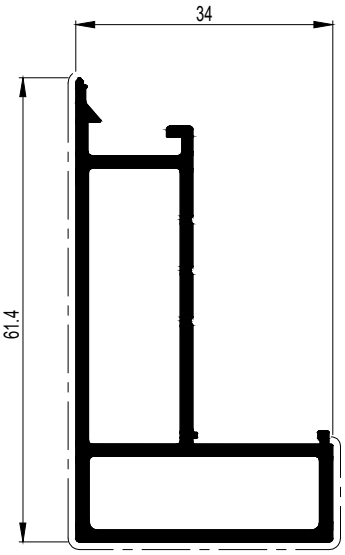
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.5309.XX	18.52	8.6	6.50	6.048	1.992	19.84	1.848	0.770	10.01
013.5329.SY	-	66.9	6.50	0.160	0.174	9.19	0.956	0.469	13.57
013.6307.XX	20.78	10.8	6.50	11.200	2.952	23.56	3.566	1.604	11.98
013.6308.XX	26.78	16.8	6.50	45.895	7.651	31.52	7.706	3.845	14.17
013.6309.XX	31.98	22.0	6.50	99.068	13.924	46.35	10.189	5.089	14.19
0M0.3010.XX	8.00	8.0	6.00	2.250	1.500	15.00	0.250	0.500	5.00

Y
X X
0 Y

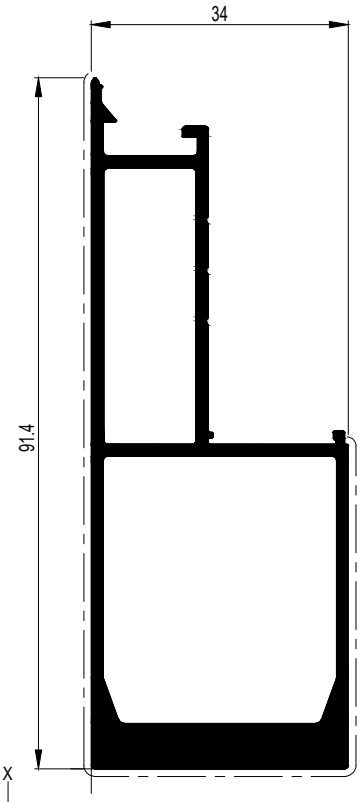
013.5309.XX



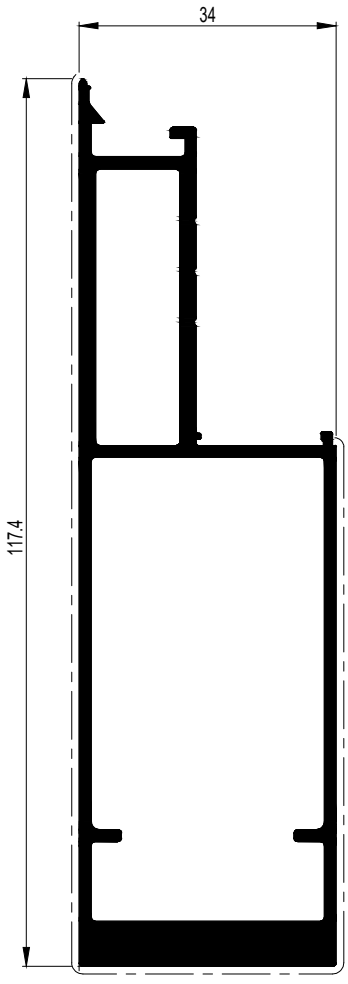
013.6307.XX



013.6308.XX

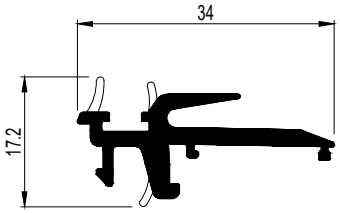


013.6309.XX

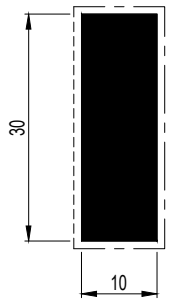


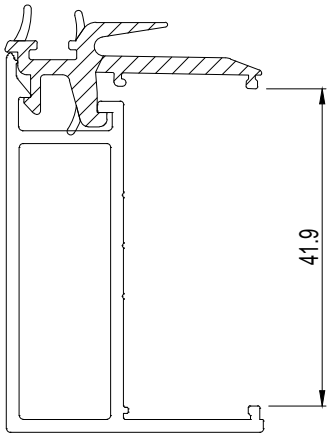
013.5329.SY

X
Y Y
X 0



0M0.3010.XX

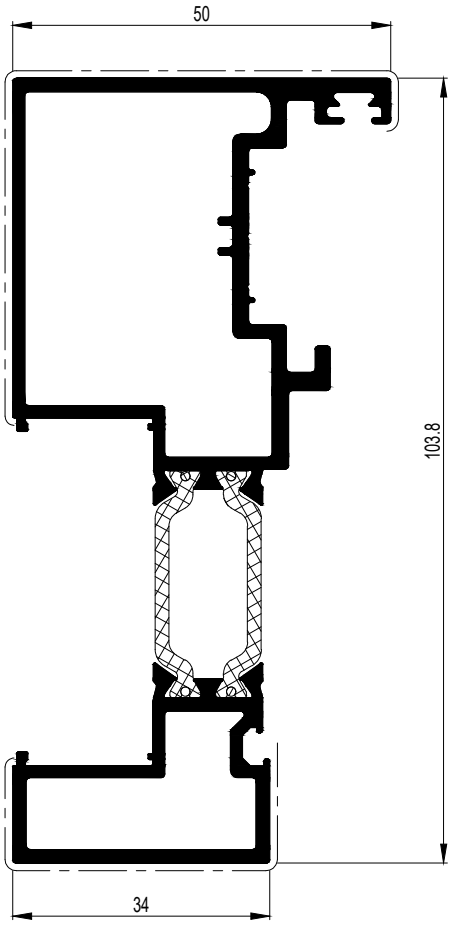




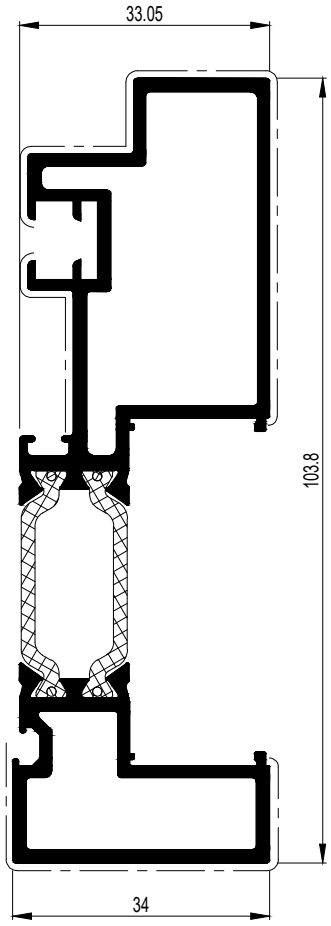
C

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6318.XX	37.15	16.1	3.50	50.411	8.947	56.35	11.903	4.308	22.58
013.6319.XX	34.41	18.4	3.50	40.371	7.578	50.74	6.763	3.729	16.07

013.6318.XX



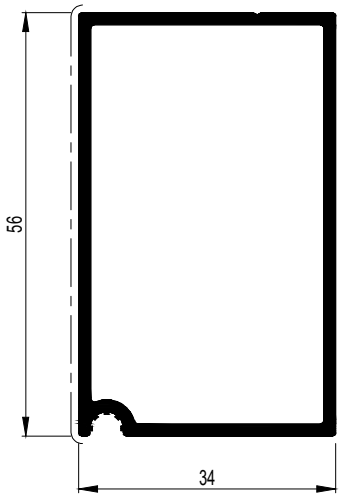
013.6319.XX



C

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6336.XXPU	18.65	5.7	6.50	12.131	4.282	27.67	5.541	3.226	16.82

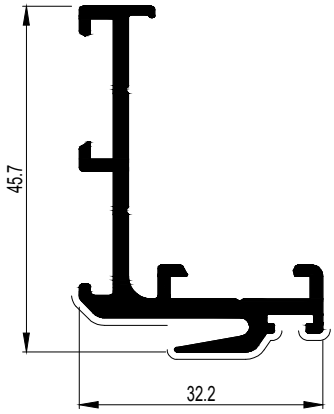
013.6336.XXPU



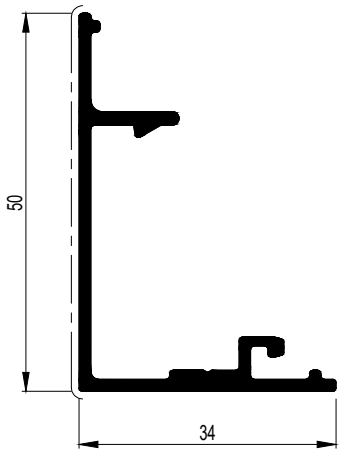
C

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6332.XX	19.02	1.1	6.50	7.046	2.158	29.15	0.092	0.127	7.27
013.6333.XX	21.35	5.1	6.50	5.093	1.523	16.75	1.935	0.789	9.68
013.6328.XX	23.64	3.2	6.50	4.555	1.528	16.19	2.014	0.980	12.07

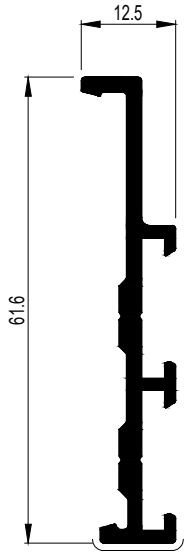
013.6328.XX



013.6333.XX



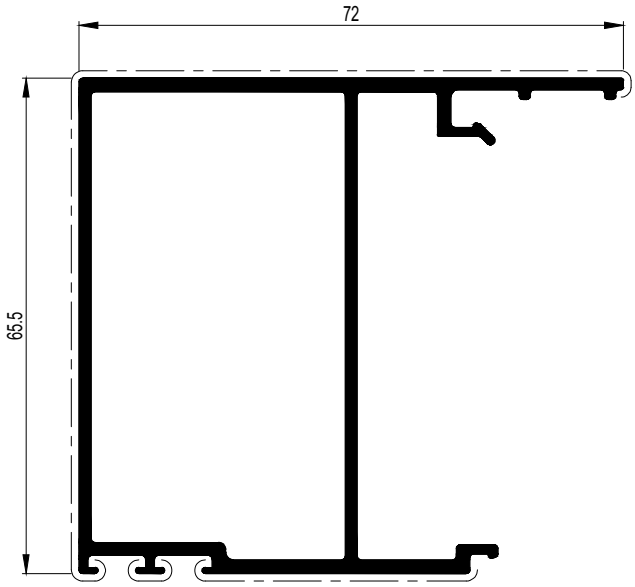
013.6332.XX



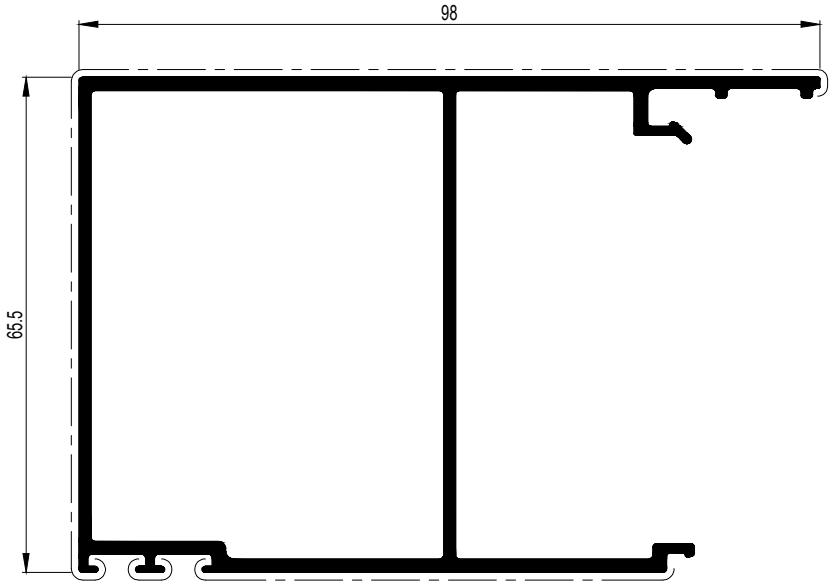
C

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.6331.XX	54.84	18.4	6.50	30.936	8.758	35.33	17.794	3.914	26.71
013.6330.XX	43.71	23.6	6.50	40.481	11.598	34.90	42.250	7.078	38.47

013.6331.XX



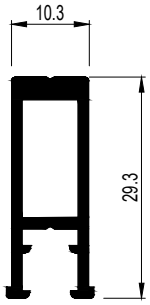
013.6330.XX



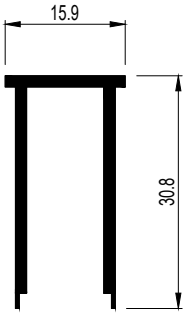
C

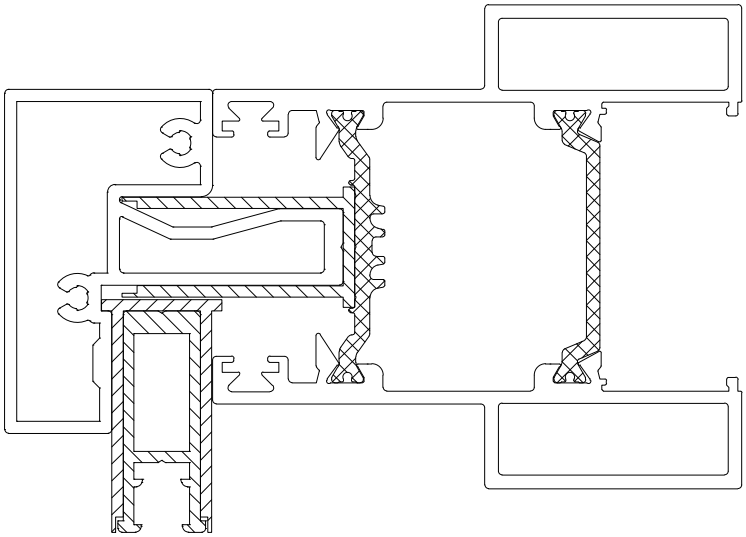
	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
013.5358.XX	20.62	8.7	6.50	6.338	2.343	17.75	5.982	2.363	20.18
013.5334.SY	-	-	6.50	-	-	-	-	-	-
013.5327.XX	10.68	0.8	6.50	1.049	0.654	13.22	0.185	0.319	5.79

013.5327.XX

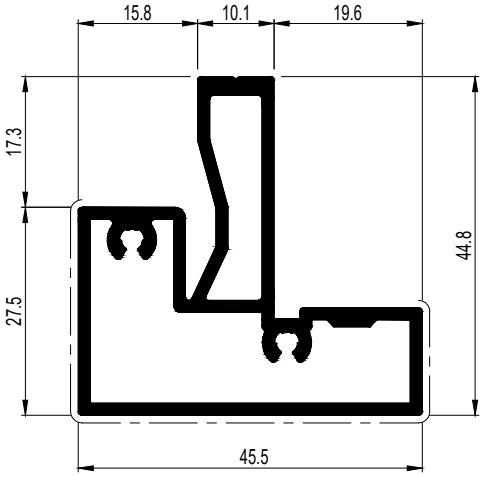


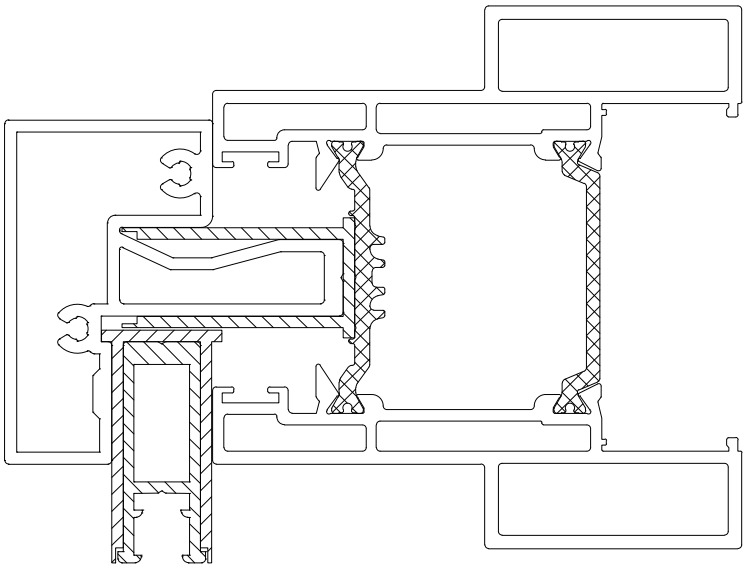
013.5334.SY





013.5358.XX



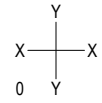


C

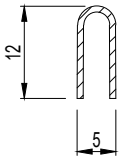
SlimPatio 68

RAIL
RAIL
RAIL
RAIL

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
006.1075.--	-	-	6.50	0.028	0.043	6.42	0.008	0.033	2.58
006.1076.17	4.98	-	6.50	0.039	0.055	7.05	0.011	0.038	2.80
006.1077.04			6.50						

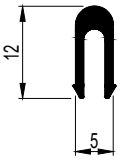


006.1075.--

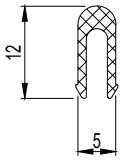


INOX RAIL
RAIL INOX
STAINLESS STEEL RAIL
INOX RAIL

006.1076.17



006.1077.04

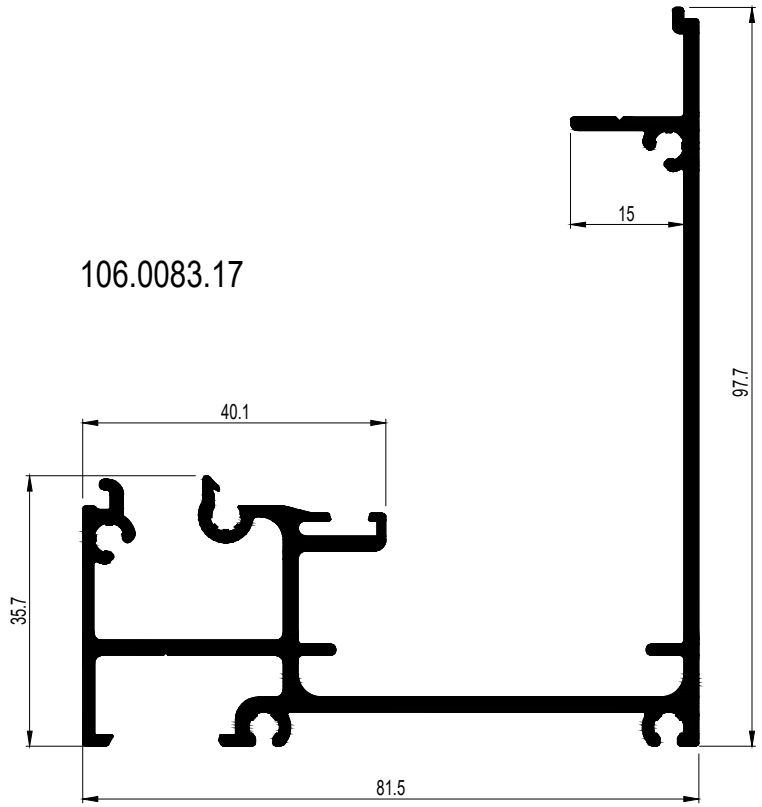


POLYAMIDE RAIL
RAIL POLYAMIDE
POLYAMIDE RAIL
POLYAMIDE RAIL

C

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
034.0420.XX	13.85	6.5	7.00	-	-	-	-	-	-
106.0083.17	67.14	-	7.00	57.896	12.149	33.85	47.021	6.839	28.94
106.0090.XX	25.66	5.3	7.00	7.337	2.280	32.17	3.645	1.314	27.74

106.0083.17



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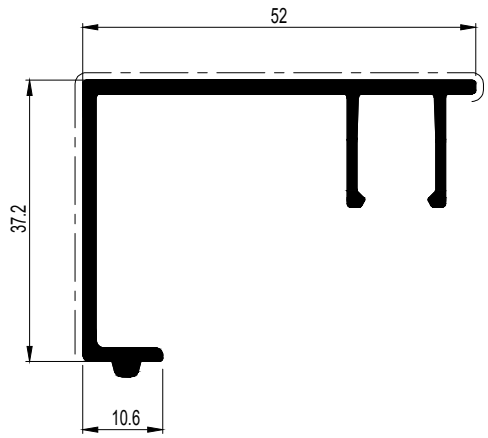
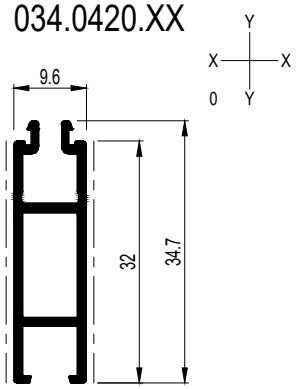


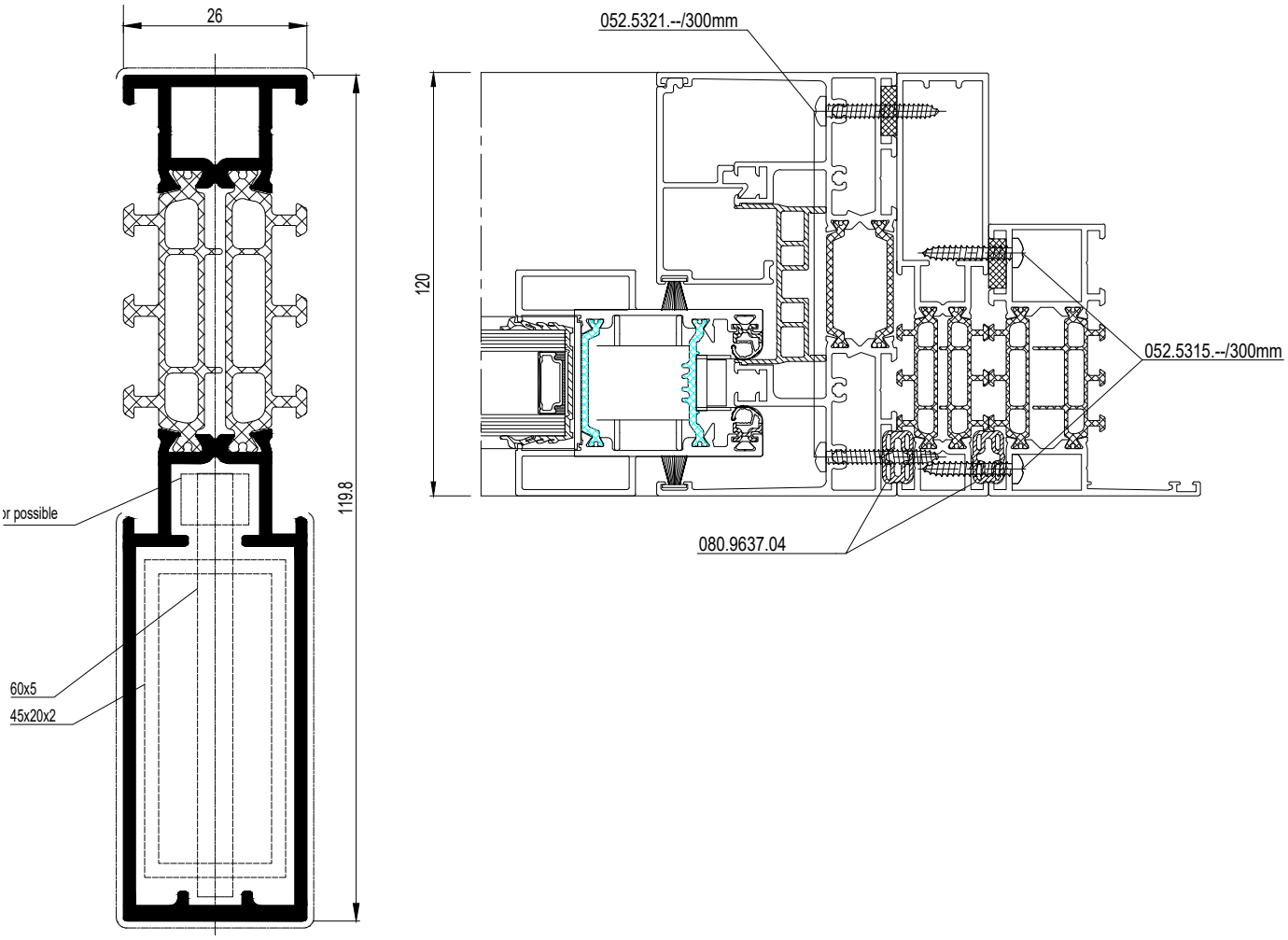
034.0420.XX



C

	A dm²/m	P dm²/m	Lm	Ix cm⁴	Wx cm³	ax mm	Iy cm⁴	Wy cm³	ay mm
408.0179.XX	26.28	16.6	7.00	47.826	7.402	55.19	4.167	3.206	13.00
508.0179.XX	26.26	16.6	7.00	47.826	7.402	55.19	4.167	3.206	13.00

408.0179.XX
508.0179.XX HI+



408.0179.XX + 0A4.5202.XX : Ix = 53.824 cm4
408.0179.XX + 0M0.6005.XX : Ix = 56.826 cm4

408.0179.XX + St/fer 60x5 : Ix = 74.826 cm4

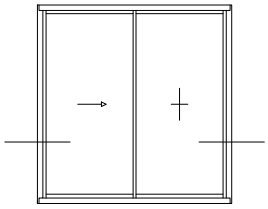
408.0179.XX	
168.8101.00 (x2)	095.H800.00
168.8001.00 (x2)	095.H800.00
168.8101.00 (x2)	095.B500.00
168.8001.00 (x2)	095.B500.00
168.8001.00 (x2) 168.5012.-- (x2)	097.0205.00

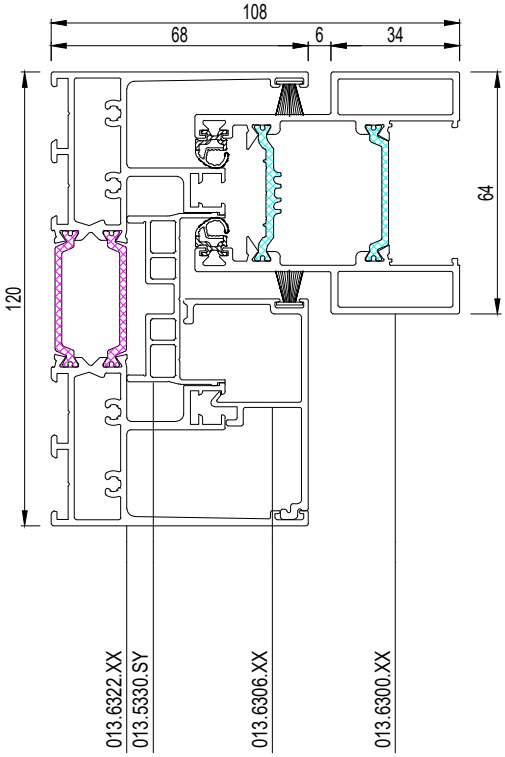
508.0179.XX	
168.8101.00 (x2)	095.H800.00
168.8001.00 (x2)	095.H800.00
168.8101.00 (x2)	095.B500.00
168.8001.00 (x2)	095.B500.00
168.8001.00 (x2) 168.5012.-- (x2)	097.0205.00

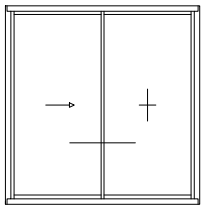
E

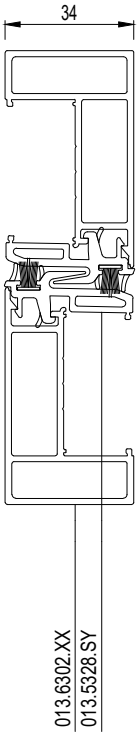
Reynaers Aluminium

Werktekeningen
Coupes et débits
Work drawings
Werkzeichnungen

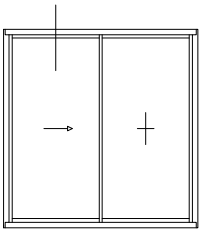


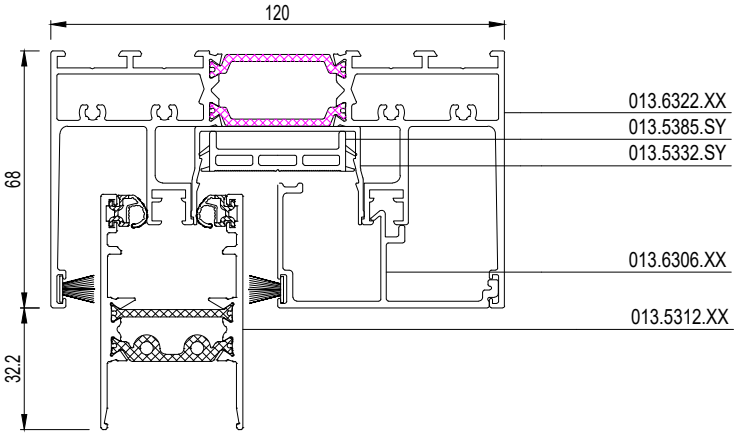


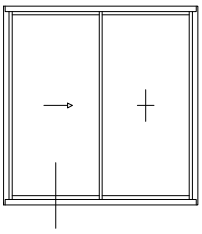


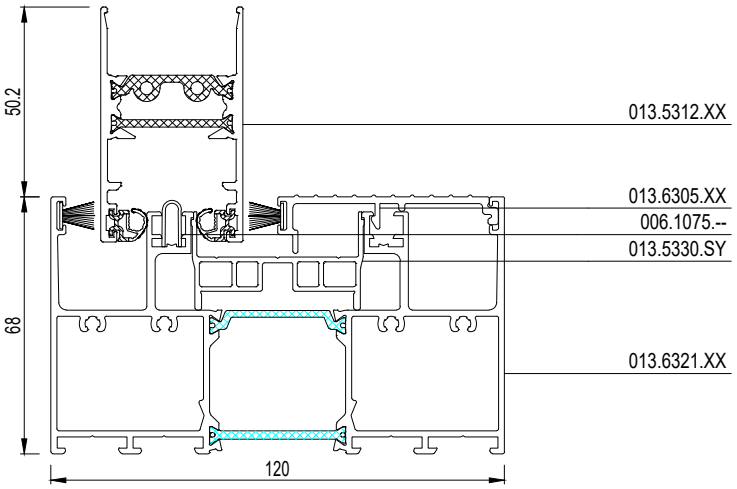


schaal - échelle
scale - Maßstab
1/2



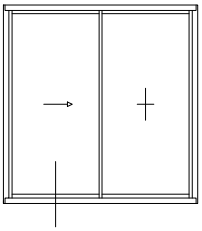


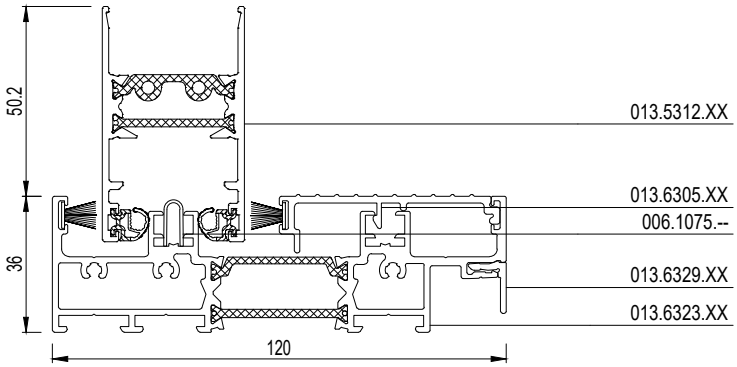


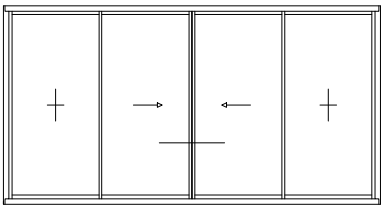


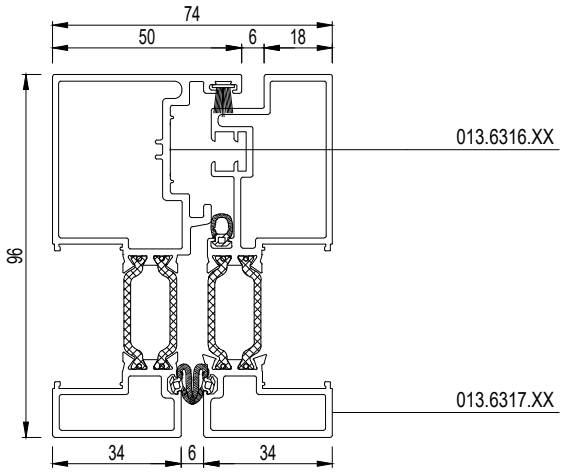
E

schaal - échelle
scale - Maßstab
1/2



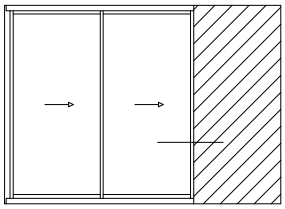


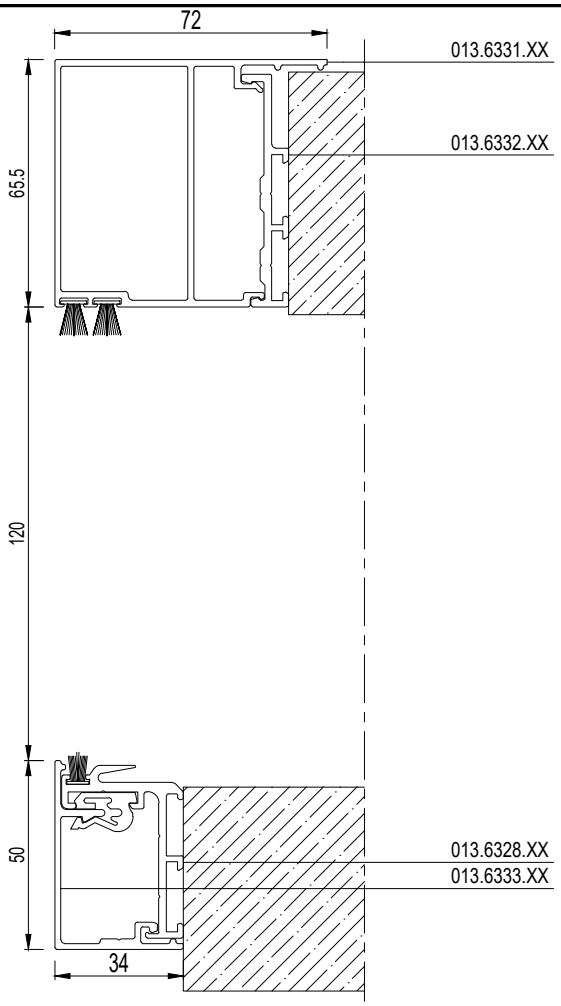


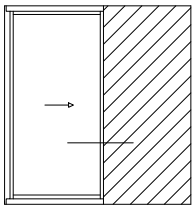


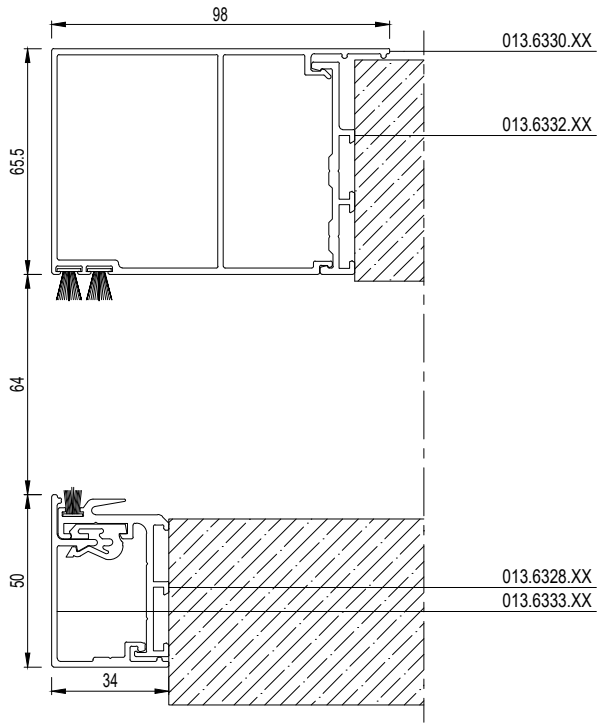
E

schaal - échelle
scale - Maßstab
1/2





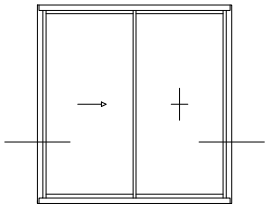


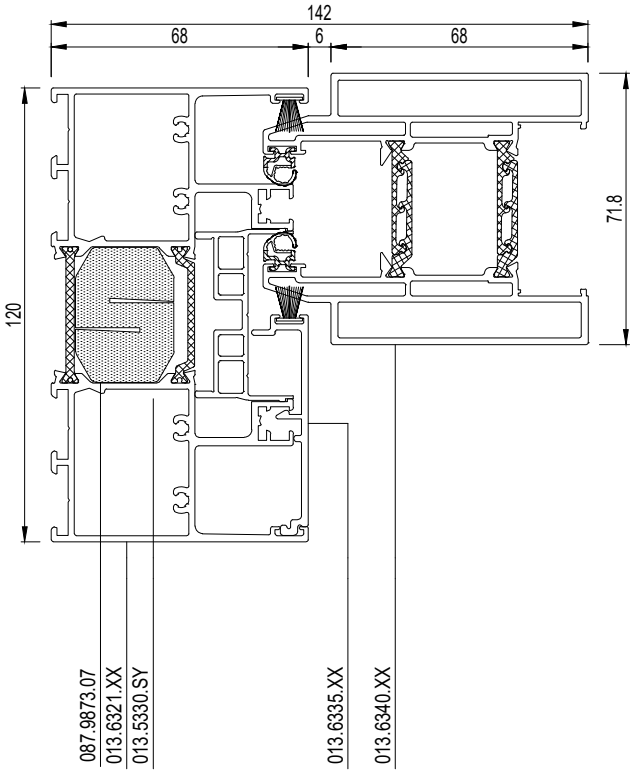


E

schaal - échelle
scale - Maßstab
1/2

HI

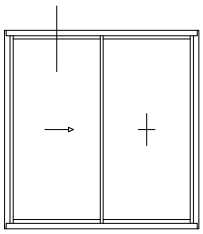


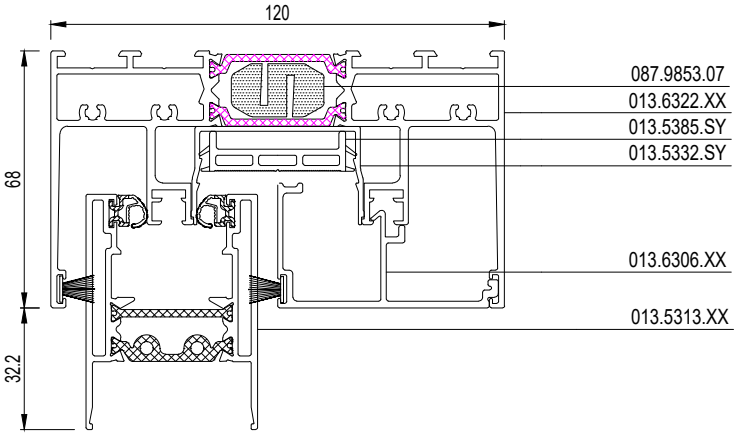


E

schaal - échelle
scale - Maßstab
1/2

HI



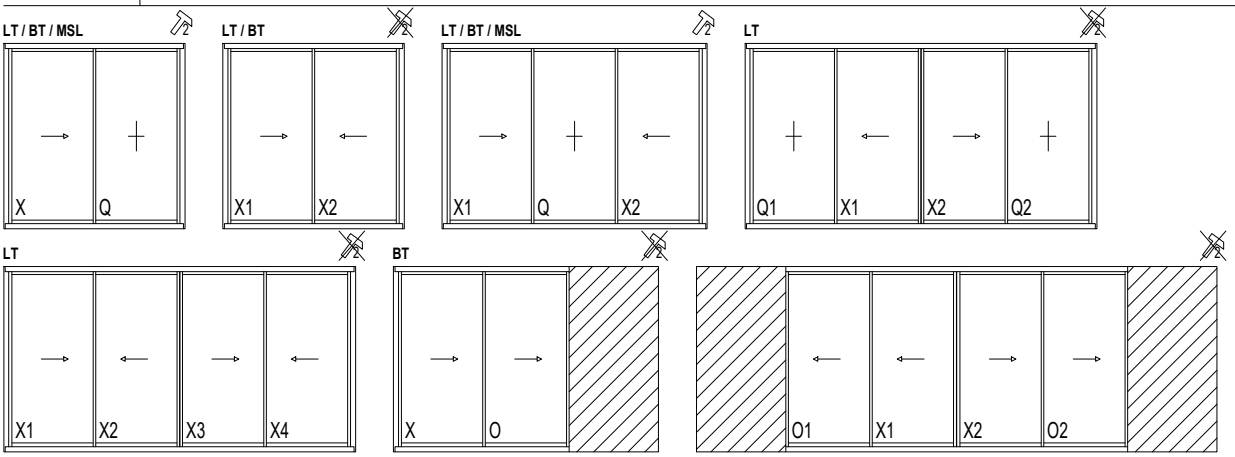


E

schaal - échelle
scale - Maßstab
1/2

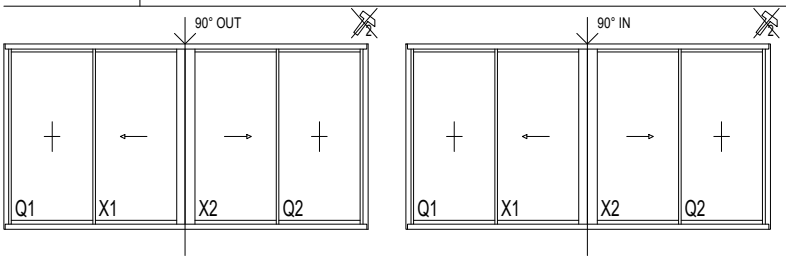
2-RAIL
2-RAIL

2-RAIL
2-RAIL



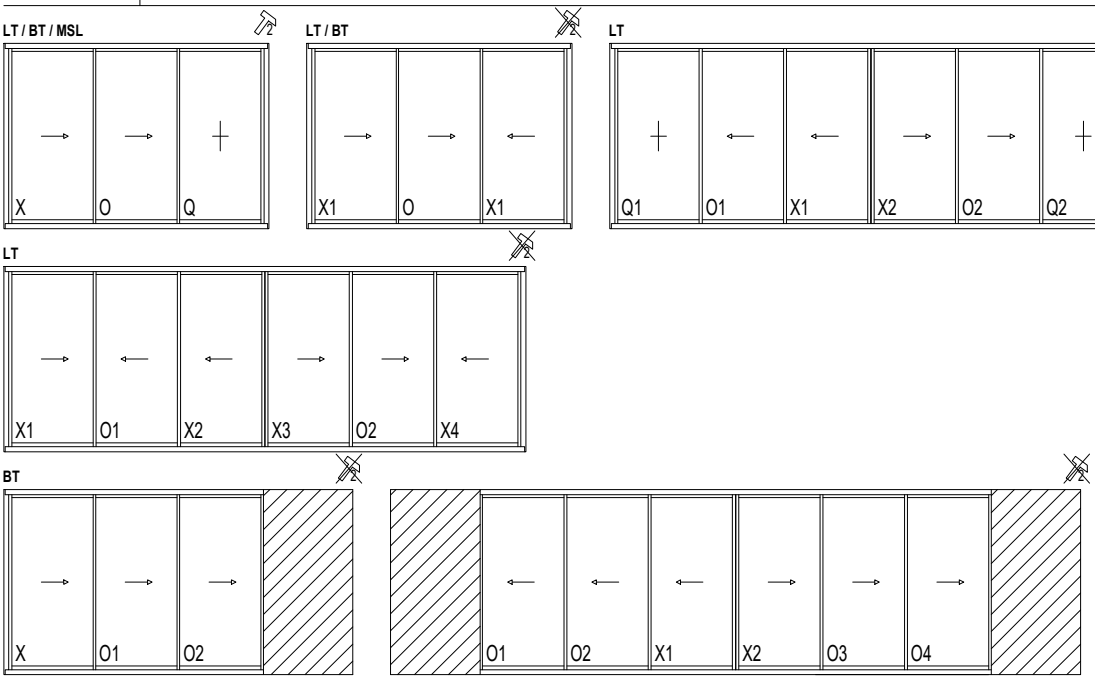
2-RAIL HOEKOPLOSSING
2-RAIL SOLUTION ANGULAIRE

2-RAIL CORNER SOLUTION
2-RAIL ECKLOSUNG



3-RAIL
3-RAIL

3-RAIL
3-RAIL

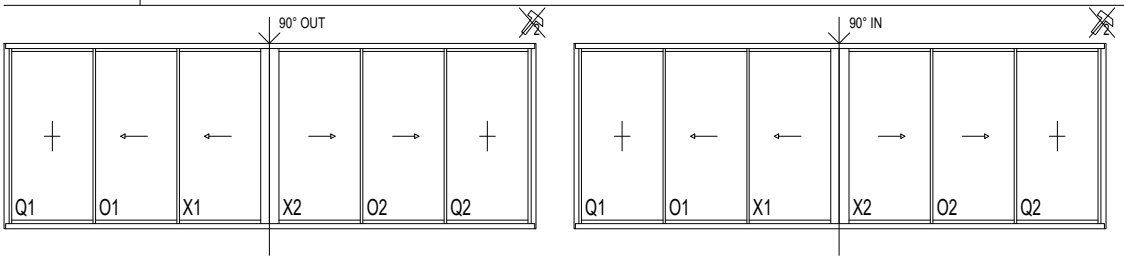


E

X : PRIMAIRE VLEUGEL Q : VASTE VLEUGEL O : SECUNDAIRE VLEUGEL V : HOEKOPLOSSING	X : OUVRANT PRIMAIRE Q : OUVRANT FIXE O : OUVRANT SECONDAIRE V : SOLUTION ANGULAIRE	X : PRIMARY SLIDING VENT Q : FIXED VENT O : SECUNDARY SLIDING VENT V : CORNER SOLUTION	X : GANGFLUEGEL Q : FENSTER FLUEGEL O : STANDFLUEGEL V : ECKLÖSUNG

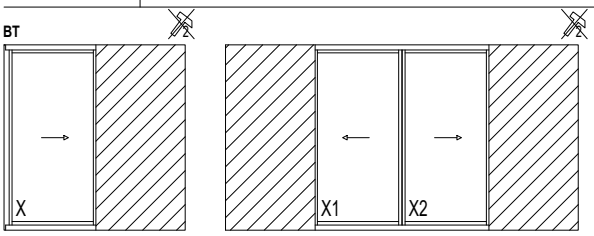
3-RAIL HOEKOPLOSSING
3-RAIL SOLUTION ANGULAIRE

3-RAIL CORNER SOLUTION
3-RAIL ECKLOSUNG



1-RAIL
1-RAIL

1-RAIL
1-RAIL



LT: LOW THRESHOLD MOGELIJK (NIET AP)
LT: LOW THRESHOLD POSSIBLE (NE PAS AP)
LT: LOW THRESHOLD POSSIBLE (NOT AP)
LT: LOW THRESHOLD MOGLICH (NICHT AP)

BT: BT SLOT MOGELIJK (ALLEEN LV)
BT: SERRURE BT POSSIBLE (SEULEMENT LV)
BT: BT LOCK POSSIBLE (ONLY LV)
BT: BT SCHLOESSER MOGLICH (NUR LV)

MSL: WISSELPROFIEL SLOT MOGELIJK (OOK IN COMBINATIE MET LOW THRESHOLD)
MSL: SERRURE CHICANE POSSIBLE (AUSSI COMBINE AVEC LOW THRESHOLD)
MSL: MEETING SECTION LOCK POSSIBLE (ALSO COMBINED WITH LOW THRESHOLD)
MSL: WECHSELPROFIL SCHLOESSER MOGLICH (AUCH KOMBINIERT MIT LOW THRESHOLD)

Explanation naming sections:

Sliding element

Amount of rails: 1 = 1-rail
2 = 2-rail
3 = 3-rail

Special type of element: P = Pocket
V = Corner

Type of profile: S = Standard Vent
L = Large Vent

Only for Pocket: F = Flush opening

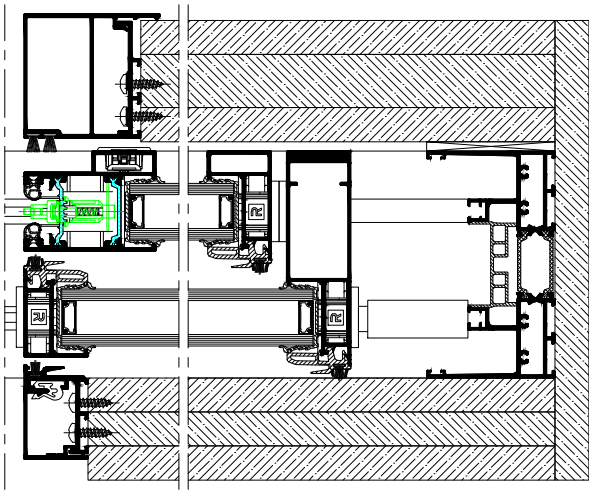
Numbering (1; 2; 3; ...)

Variant: LT = LOW THRESHOLD
BT = BT LOCK

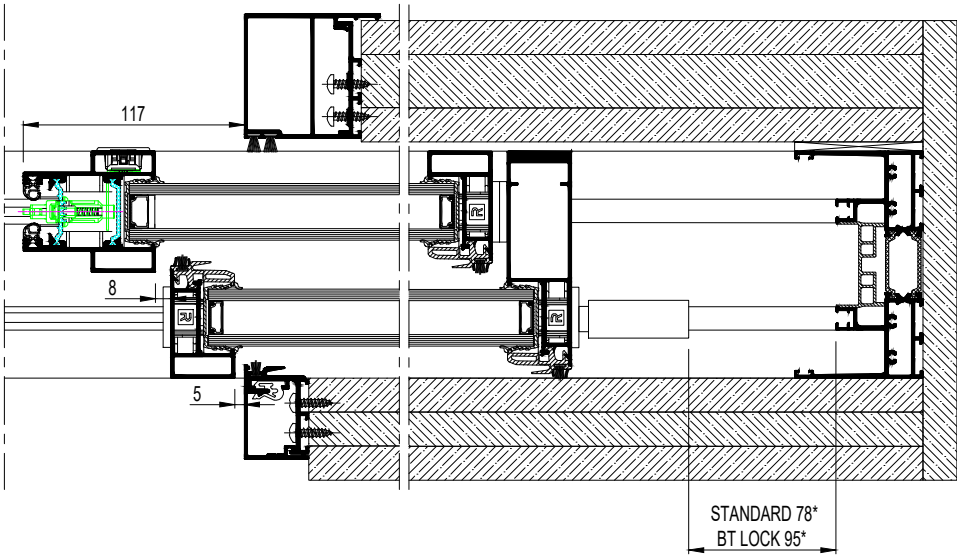
S2PSF 1 XX

E

2-RAIL XO POCKET SV FLUSH

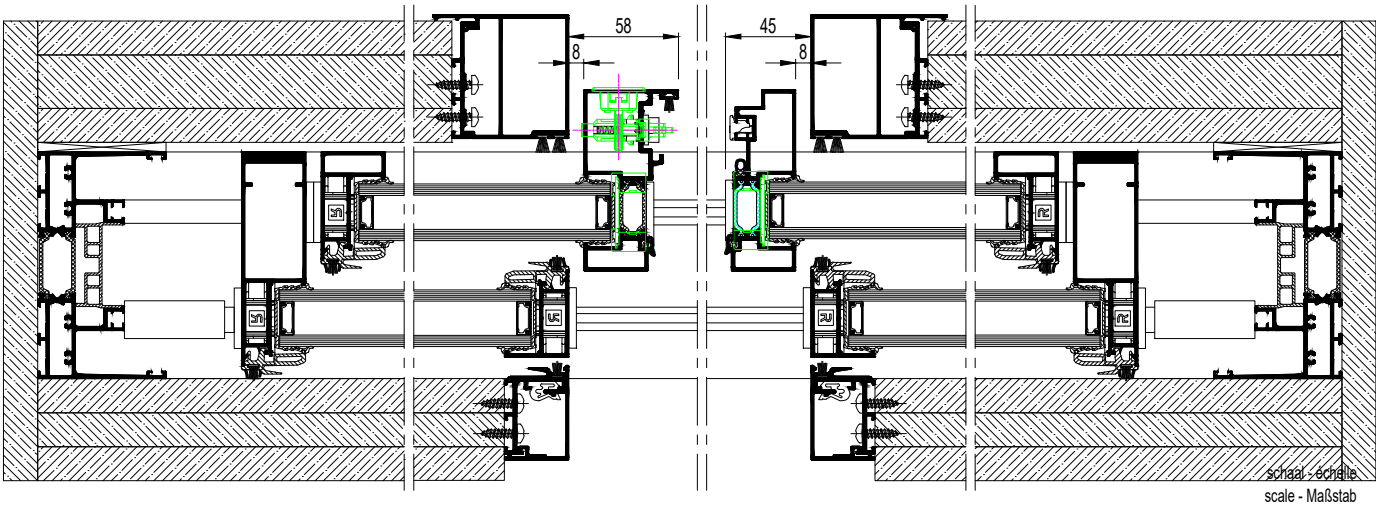


2-RAIL XO POCKET SV



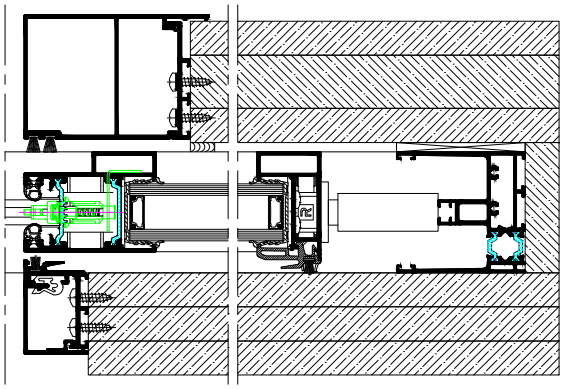
* FRAME GROTER DOOR REYNAPRO BEPERKING
* DORMANT PLUS GROS EN RAISON DE REYNAPRO LIMITATION
* FRAME BIGGER DUE TO REYNAPRO LIMITATION
* BLENDRAHMEN GROBER WEGEN REYNAPRO EINSCHRANKUNG

2-RAIL POCKET OXXO POCKET SV

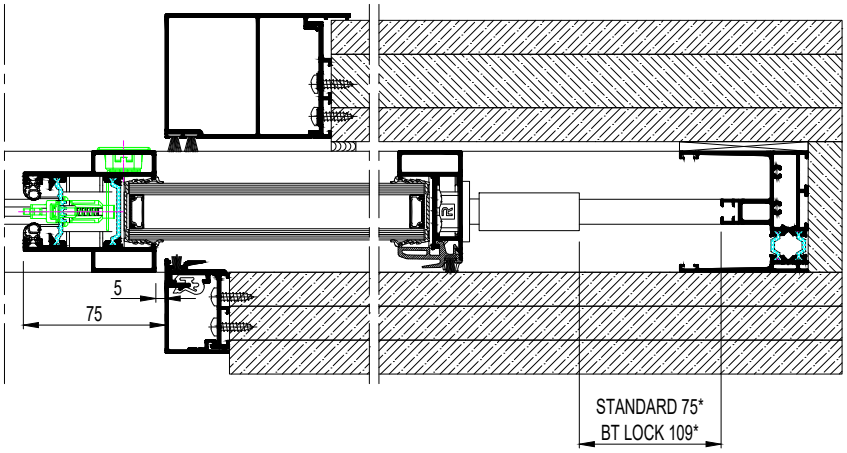


schaal - échelle
scale - Maßstab
1/4

1-RAIL X POCKET SV FLUSH



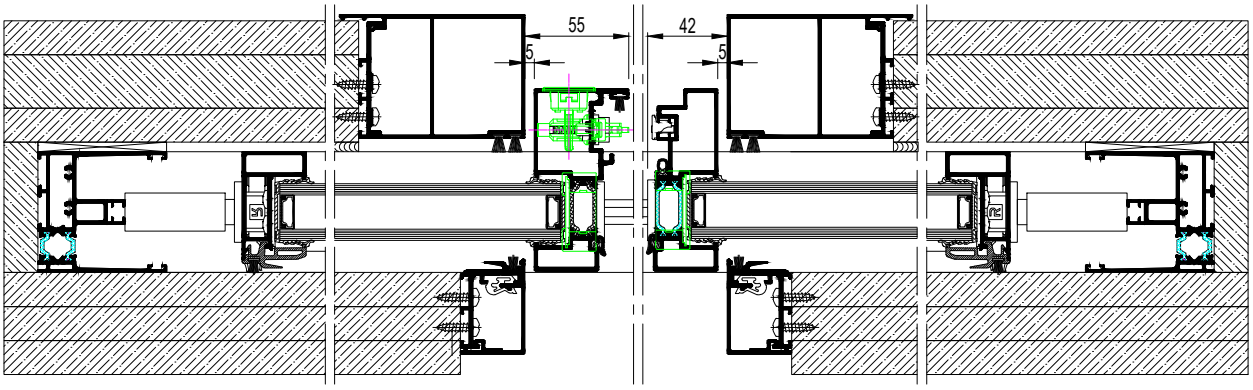
1-RAIL X POCKET SV



* FRAME GROTER DOOR REYNAPRO BEPERKING
* DORMANT PLUS GROS EN RAISON DE REYNAPRO LIMITATION
* FRAME BIGGER DUE TO REYNAPRO LIMITATION
* BLENDRAHMEN GROBER WEGEN REYNAPRO EINSCHRANKUNG

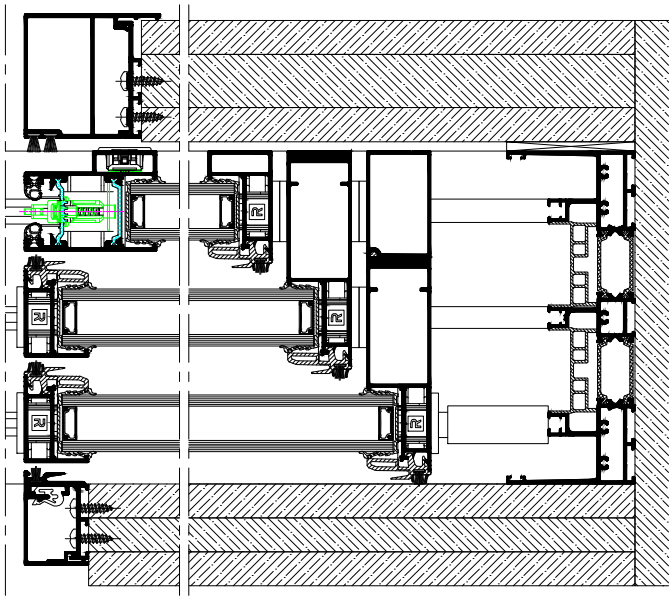
E

1-RAIL POCKET XX POCKET SV

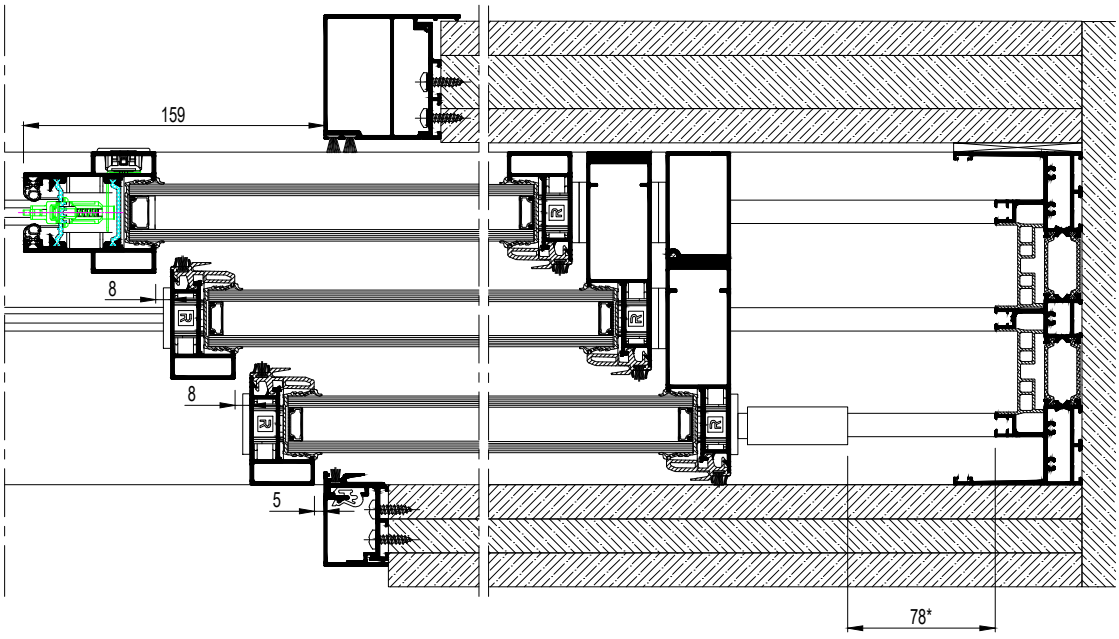


schaal - échelle
scale - Maßstab
1/4

3-RAIL XOO POCKET SV FLUSH



3-RAIL XOO POCKET SV

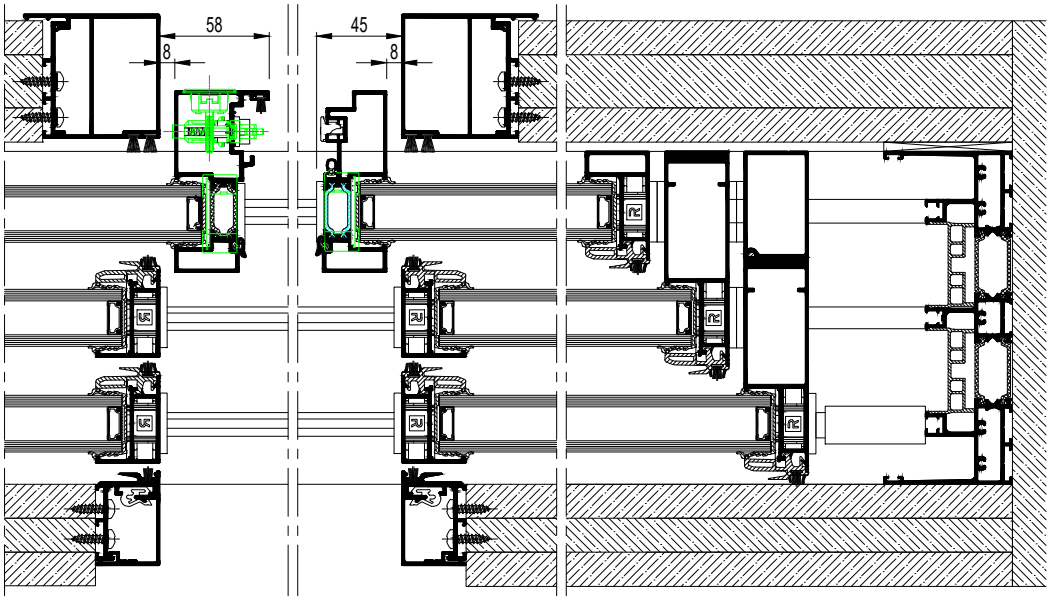


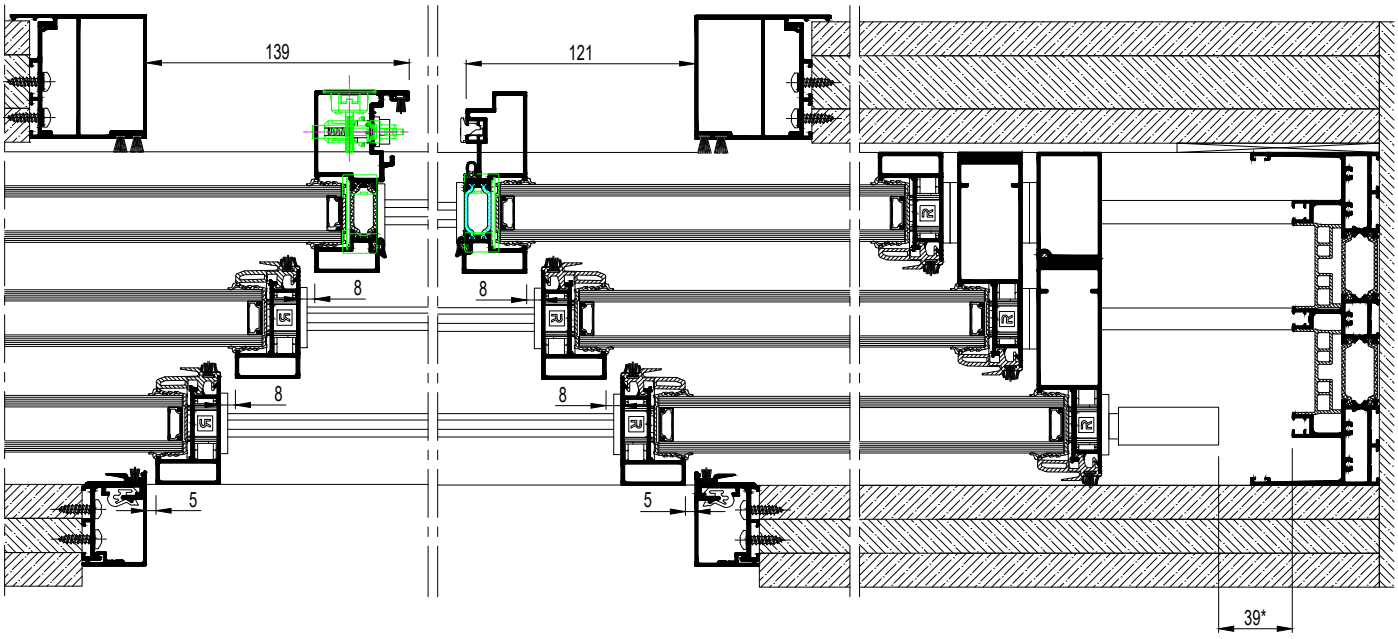
!

* FRAME 78MM GROTER DOOR REYNAPRO BEPERKING
* DORMANT 78MM PLUS GROS EN RAISON DE REYNAPRO LIMITATION
* FRAME 78MM BIGGER DUE TO REYNAPRO LIMITATION
* BLENDRAHMEN 78MM GROBER WEGEN REYNAPRO EINSCHRANKUNG

schaal - échelle
scale - Maßstab
1/2

3-RAIL OOXXOO POCKET SV



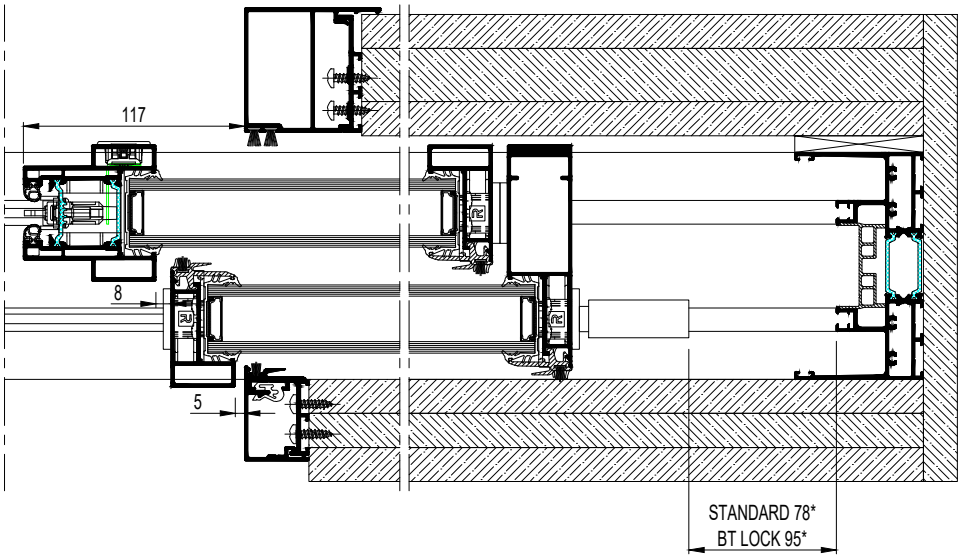


!	* FRAME 2x39MM GROTER DOOR REYNAPRO BEPERKING * DORMANT 2x39MM PLUS GROS EN RAISON DE REYNAPRO LIMITATION * FRAME 2x39MM BIGGER DUE TO REYNAPRO LIMITATION * BLENDRAHMEN 2x39MM GROBER WEGEN REYNAPRO EINSCHRANKUNG

E

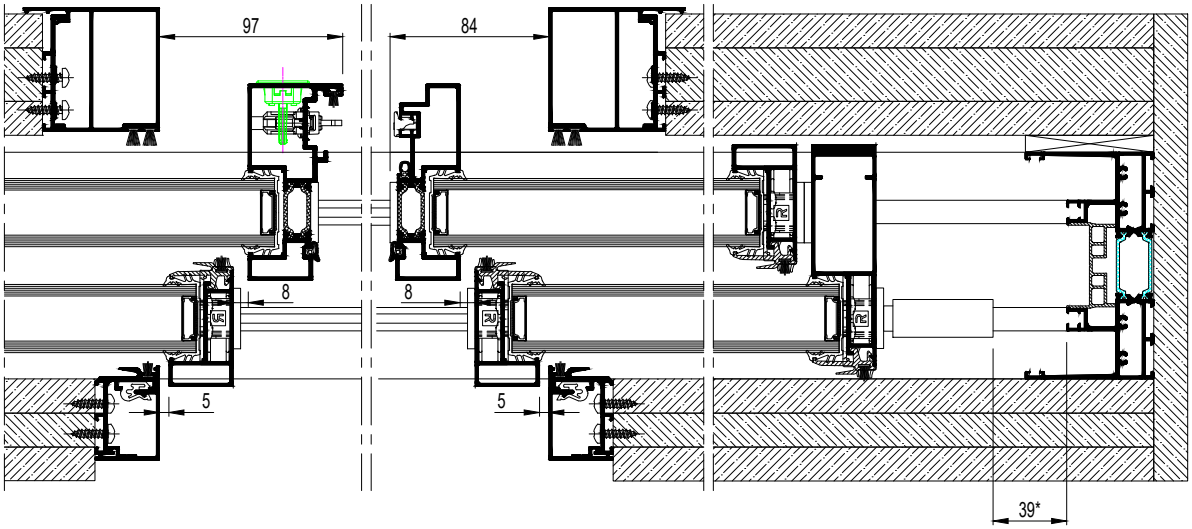
schaal - échelle
scale - Maßstab
1/2

2-RAIL XO POCKET LV



* FRAME GROTER DOOR REYNAPRO BEPERKING
* DORMANT PLUS GROS EN RAISON DE REYNAPRO LIMITATION
* FRAME BIGGER DUE TO REYNAPRO LIMITATION
* BLENDRAHMEN GROBER WEGEN REYNAPRO EINSCHRANKUNG

2-RAIL OXXO POCKET LV

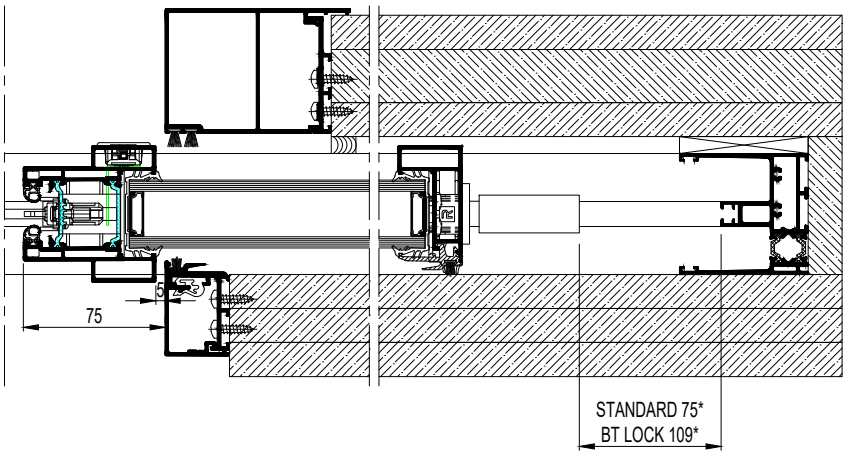


* FRAME 2x39MM GROTER DOOR REYNAPRO BEPERKING
* DORMANT 2x39MM PLUS GROS EN RAISON DE REYNAPRO LIMITATION
* FRAME 2x39MM BIGGER DUE TO REYNAPRO LIMITATION
* BLENDRAHMEN 2x39MM GROBER WEGEN REYNAPRO EINSCHRANKUNG

E

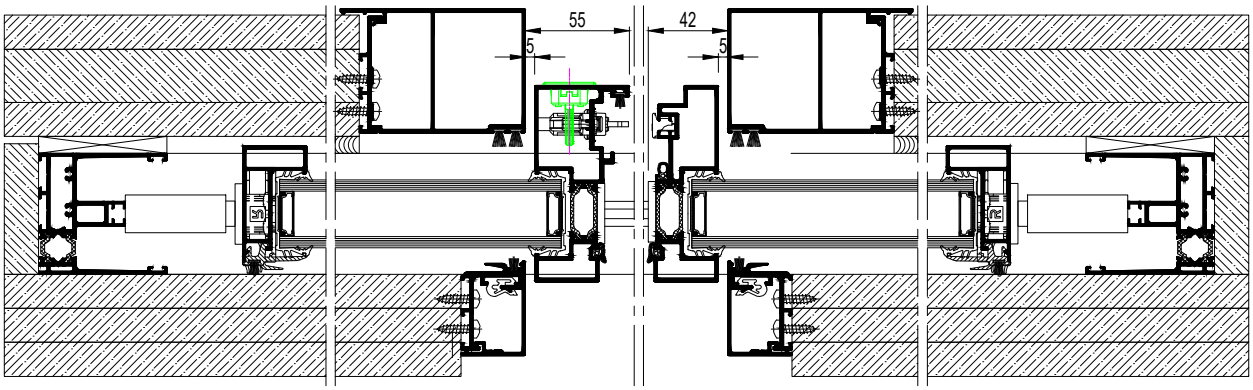
schaal - échelle
scale - Maßstab
1/2

1-RAIL X POCKET LV



* FRAME GROTER DOOR REYNAPRO BEPERKING
* DORMANT PLUS GROS EN RAISON DE REYNAPRO LIMITATION
* FRAME BIGGER DUE TO REYNAPRO LIMITATION
* BLENDRAHMEN GROBER WEGEN REYNAPRO EINSCHRANKUNG

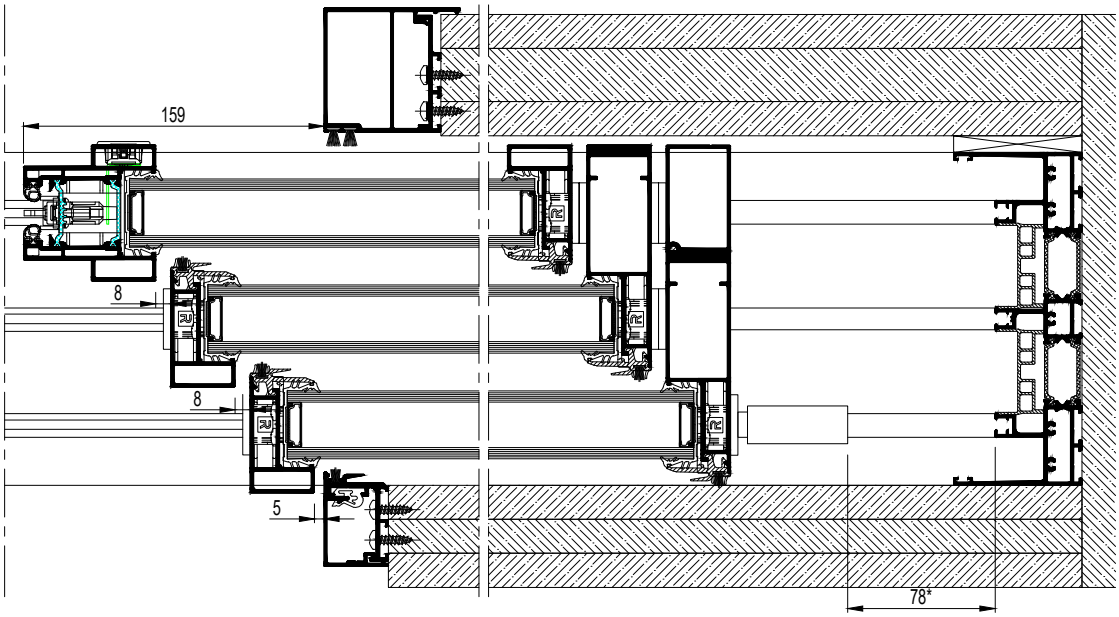
1-RAIL XX POCKET LV



E

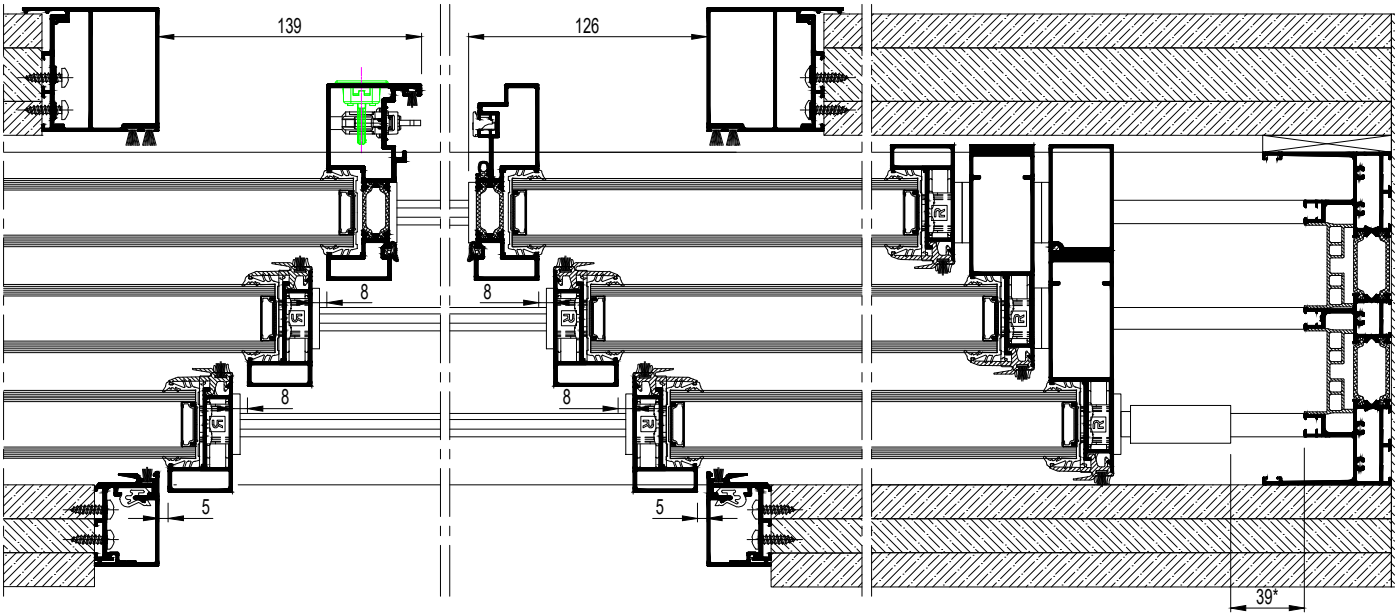
schaal - échelle
scale - Maßstab
1/2

3-RAIL XOO POCKET LV



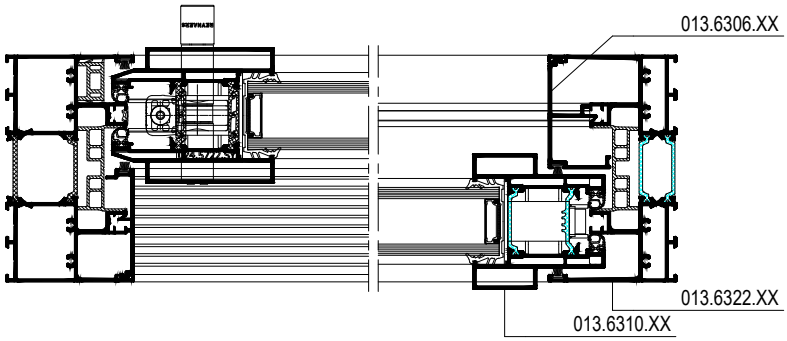
* FRAME 78MM GROTER DOOR REYNAPRO BEPERKING
* DORMANT 78MM PLUS GROS EN RAISON DE REYNAPRO LIMITATION
* FRAME 78MM BIGGER DUE TO REYNAPRO LIMITATION
* BLENDRAHMEN 78MM GROBER WEGEN REYNAPRO EINSCHRANKUNG

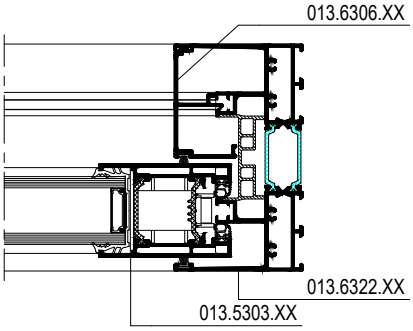
3-RAIL OOXXOO POCKET LV

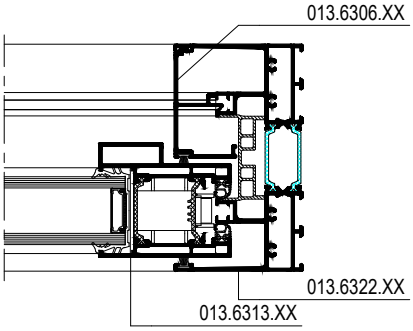


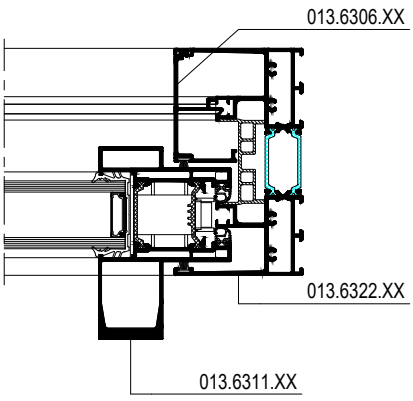
* FRAME 2x39MM GROTER DOOR REYNAPRO BEPERKING
* DORMANT 2x39MM PLUS GROS EN RAISON DE REYNAPRO LIMITATION
* FRAME 2x39MM BIGGER DUE TO REYNAPRO LIMITATION
* BLENDRAHMEN 2x39MM GROBER WEGEN REYNAPRO EINSCHRANKUNG

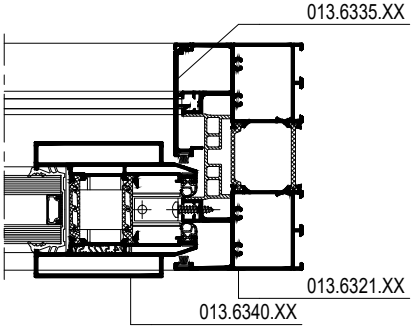
schaal - échelle
scale - Maßstab
1/4





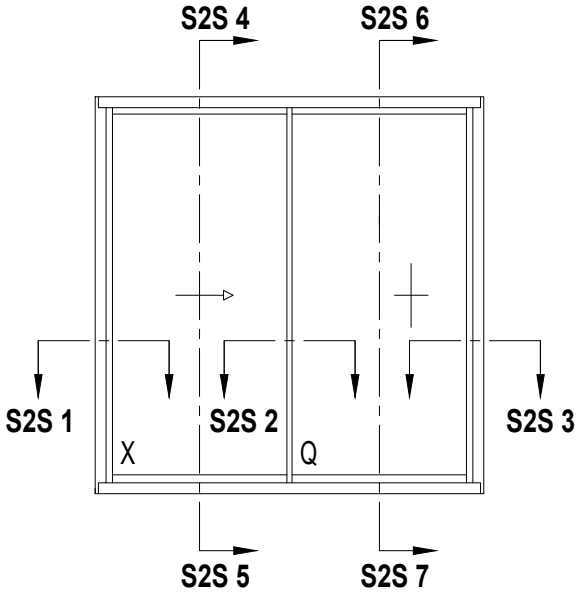






schaal - échelle
scale - Maßstab
1/4

E



			#	L_m
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B1-65
			1	B2-65
013.5385.SY			1	B1-59
			1	B2-59
013.6835.SY			1	H-86
			2	B-40
013.6305.XX			1	B1-92.5
013.6306.XX			2	H-88
			1	B1-92.5
006.1075.--			1	B-92
			1	B2-25
013.6300.XX			2	H-94
013.6302.XX			2	H-94*
013.5328.SY			2	H-94*
013.5312.XX			2	B1-93
			2	B2-93

* Assembly before sawing

E

VLEUGELGEWICHT POIDS DU VANTAIL WEIGHT OF THE VENT FLUEGELGEWICHT	MAX. 250KG

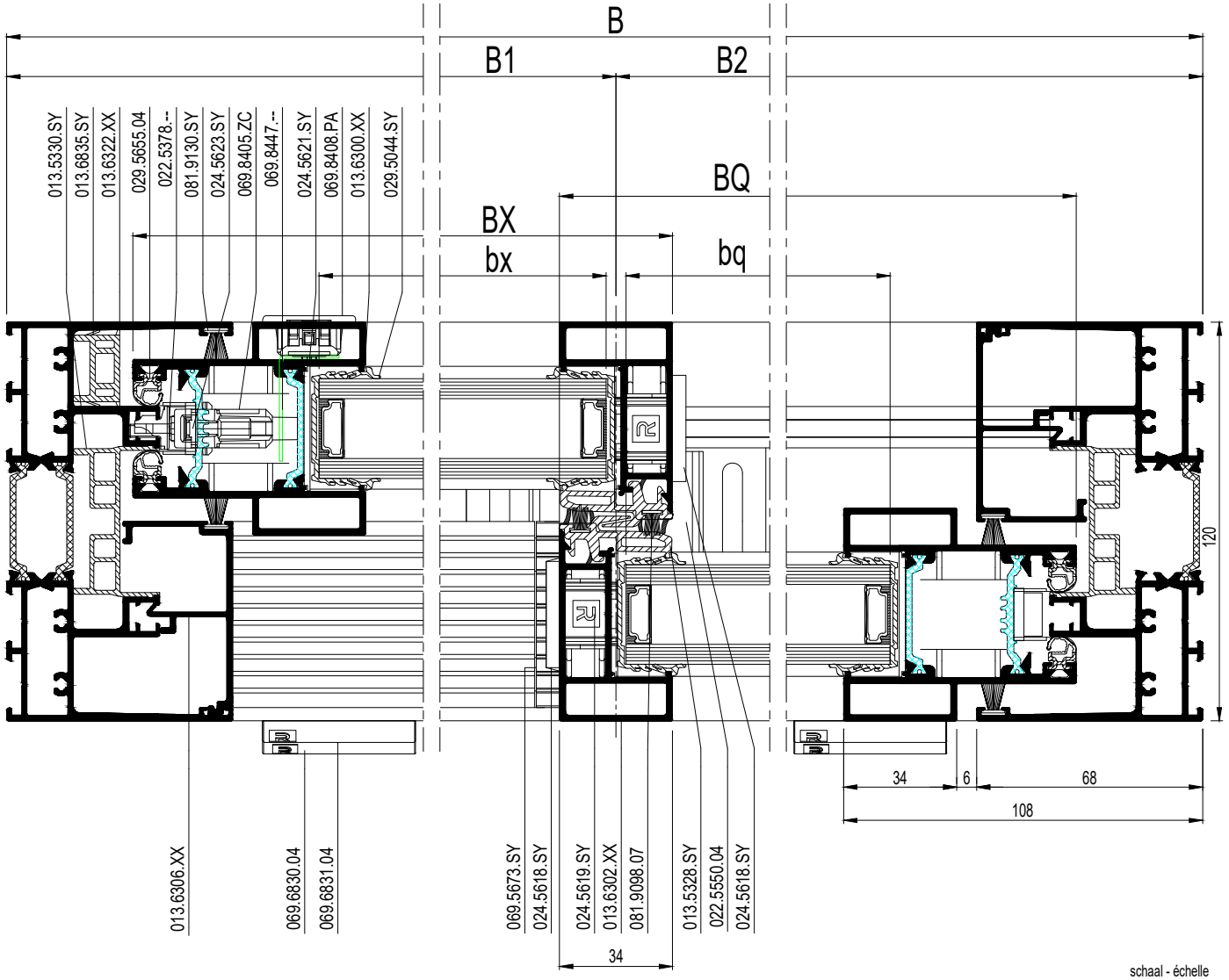
schaal - échelle
scale - Maßstab
1/2

BX = B1-22
BQ = B2-22
HX = H-94
HQ = H-94
bx= BX-76
bq = BQ-76
hx = HX-96.4
hq = HQ-96.4

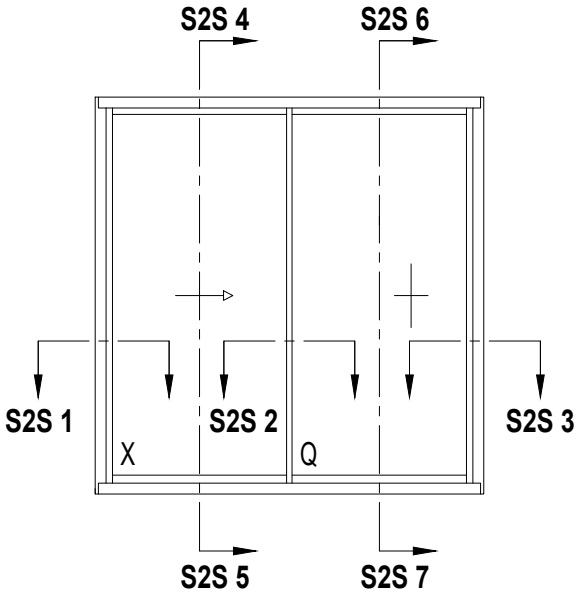
S2S 1

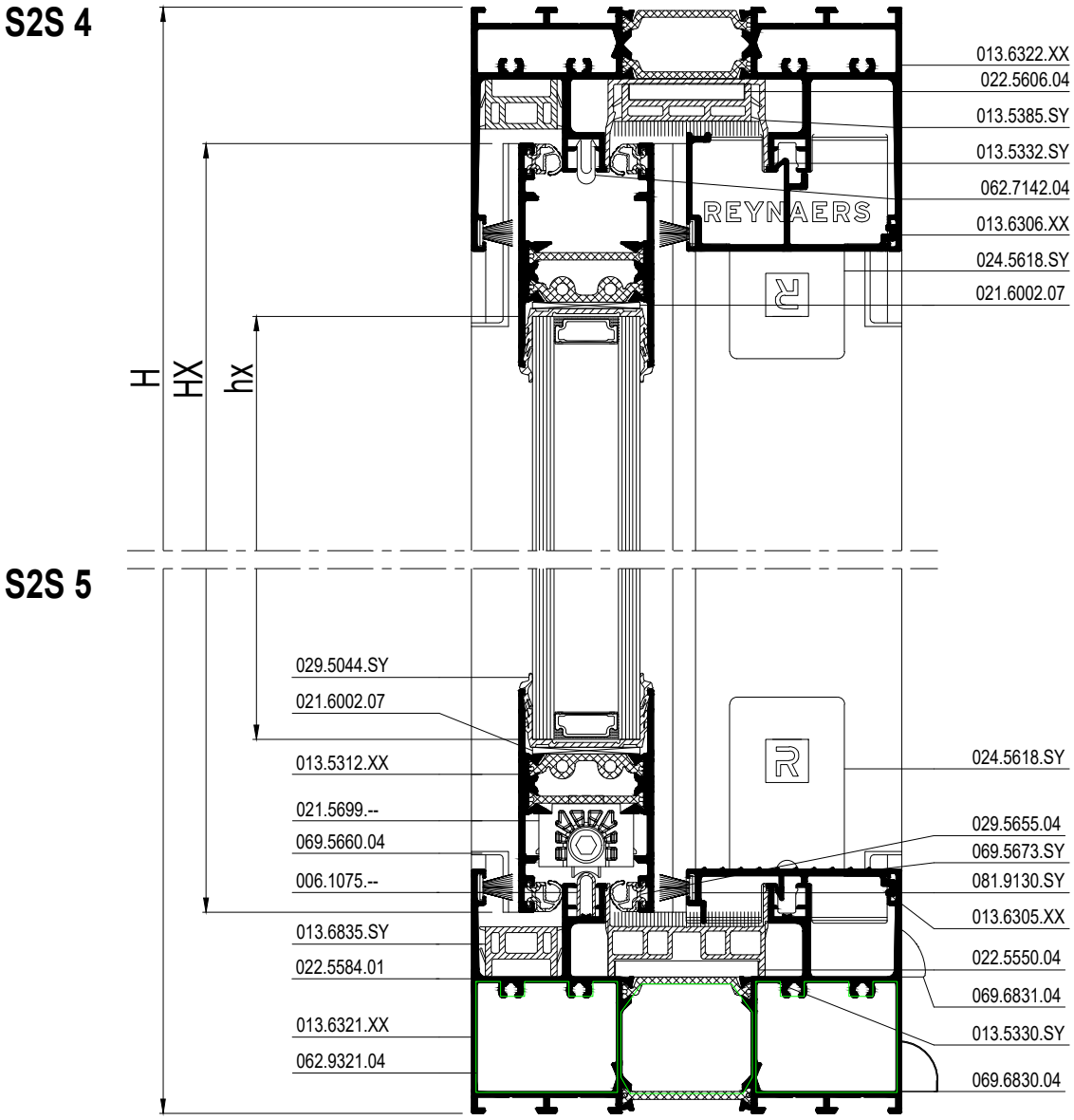
S2S 2

S2S 3



schaal - échelle
scale - Maßstab
1/2





schaal - échelle
scale - Maßstab
1/2

		#
052.5325.--		32
021.6002.07		8
021.5699.--**		2
024.5618.SY		4
069.5673.SY		1
022.5550.04		1
022.5606.04		1
024.5623.SY		4
024.5621.SY		4
024.5619.SY		2
062.7142.04		1
062.7147.SY		1
022.5584.01		2
069.6830.04		4
069.6831.04		min. 4
029.5044.SY		2B + 4H
029.5655.04		4B + 4H
081.9098.07		2H
081.9130.SY		4H + 4B
021.5705.--		2
022.5418.04		1
062.9321.04		2
080.9727.04		4
069.5660.04		10
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
024.5642.04		2
024.5605.04		24
069.5672.SY		2
062.7715.XX		1
050.5055.--		1
065.6555.04		2
069.5653.SY		2

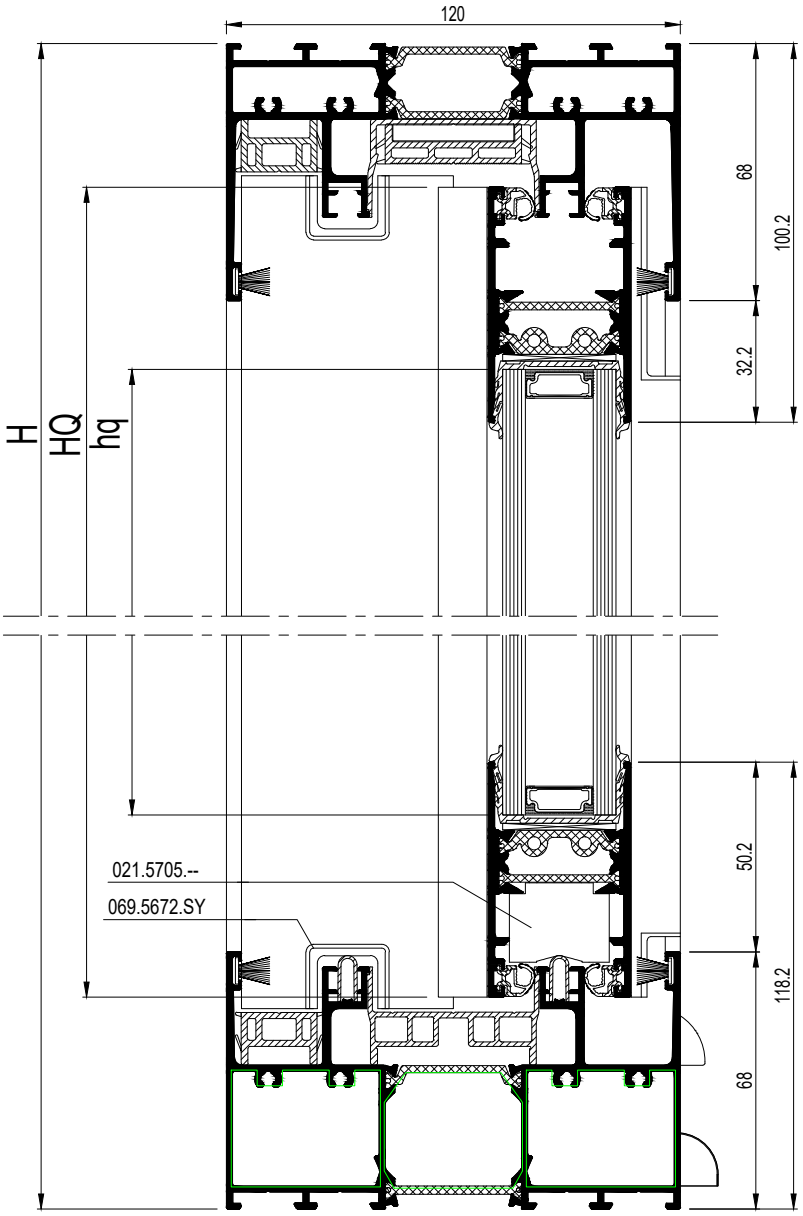
** See 47J.F. ...
*** See 47J.F. ...

080.9425.04		H

OPTIONEEL
FACULTATIF
OPTIONAL
OPTIONAL

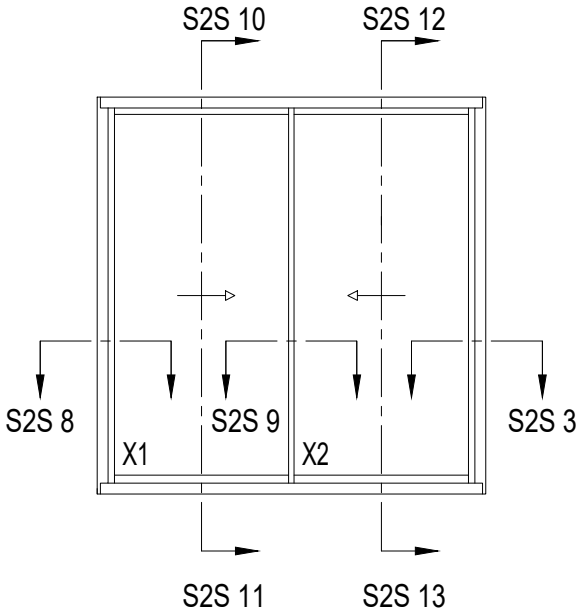
S2S 6

S2S 7



schaal - échelle
scale - Maßstab
1/2

E



			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B1-65
			1	B2-65
013.5385.SY			1	B1-59
			1	B2-59
013.6835.SY			2	H-86
			4	B-40
013.6306.XX			2	H-88
006.1075.--			2	B-92
013.6300.XX			2	H-94
013.6302.XX			2	H-94*
013.5328.SY			2	H-94*
013.5312.XX			2	B1-93
			2	B2-93

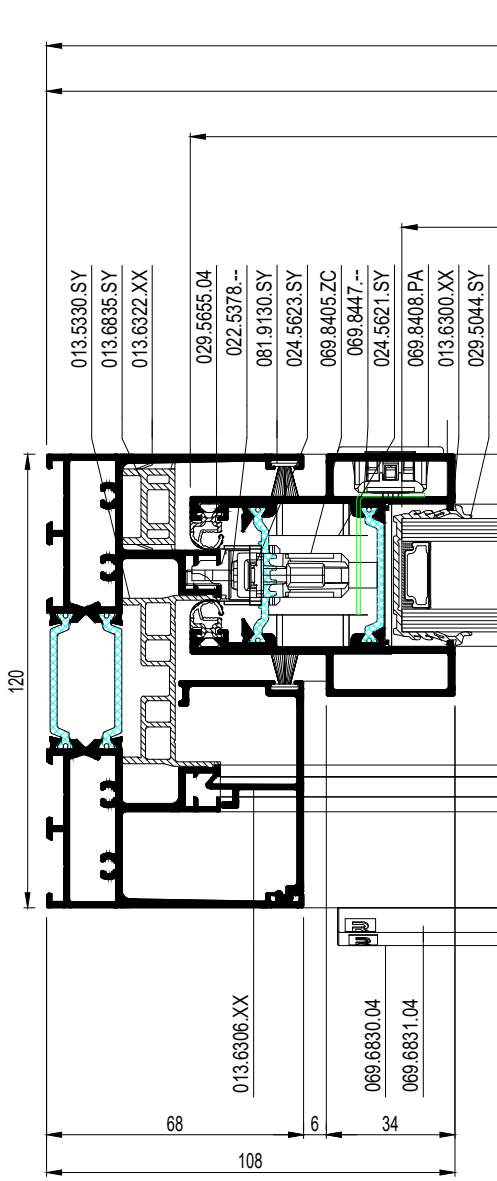
* Assembly before sawing

E

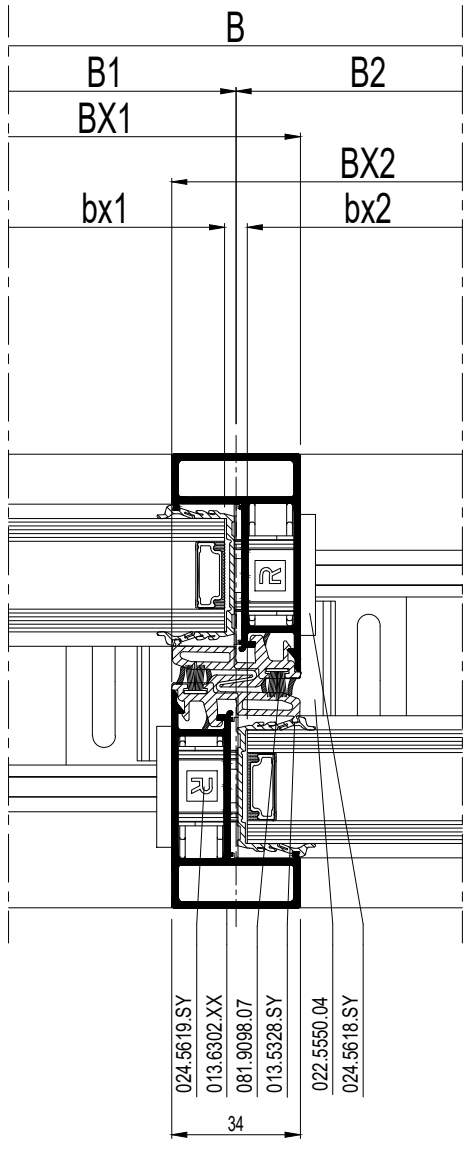
schaal - échelle
scale - Maßstab
1/2

BX1 = B1-22
BX2 = B2-22
HX1 = H-94
HX2 = H-94
bx1= BX1-76
bx2 = BX2-76
hx1 = HX1-96.4
hx2 = HX2-96.4

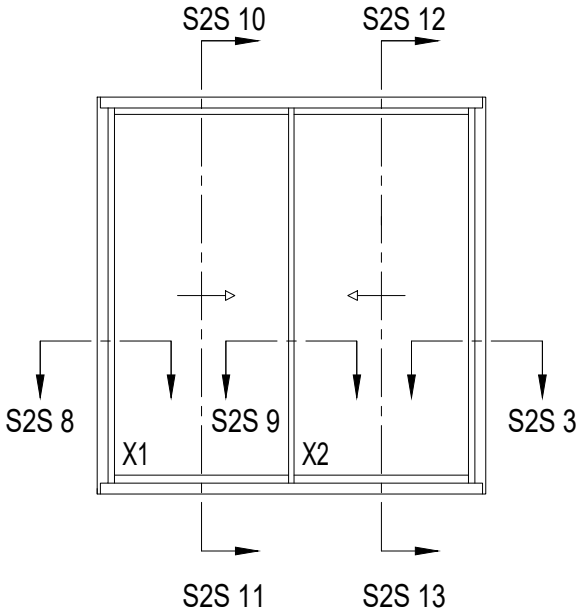
S2S 8

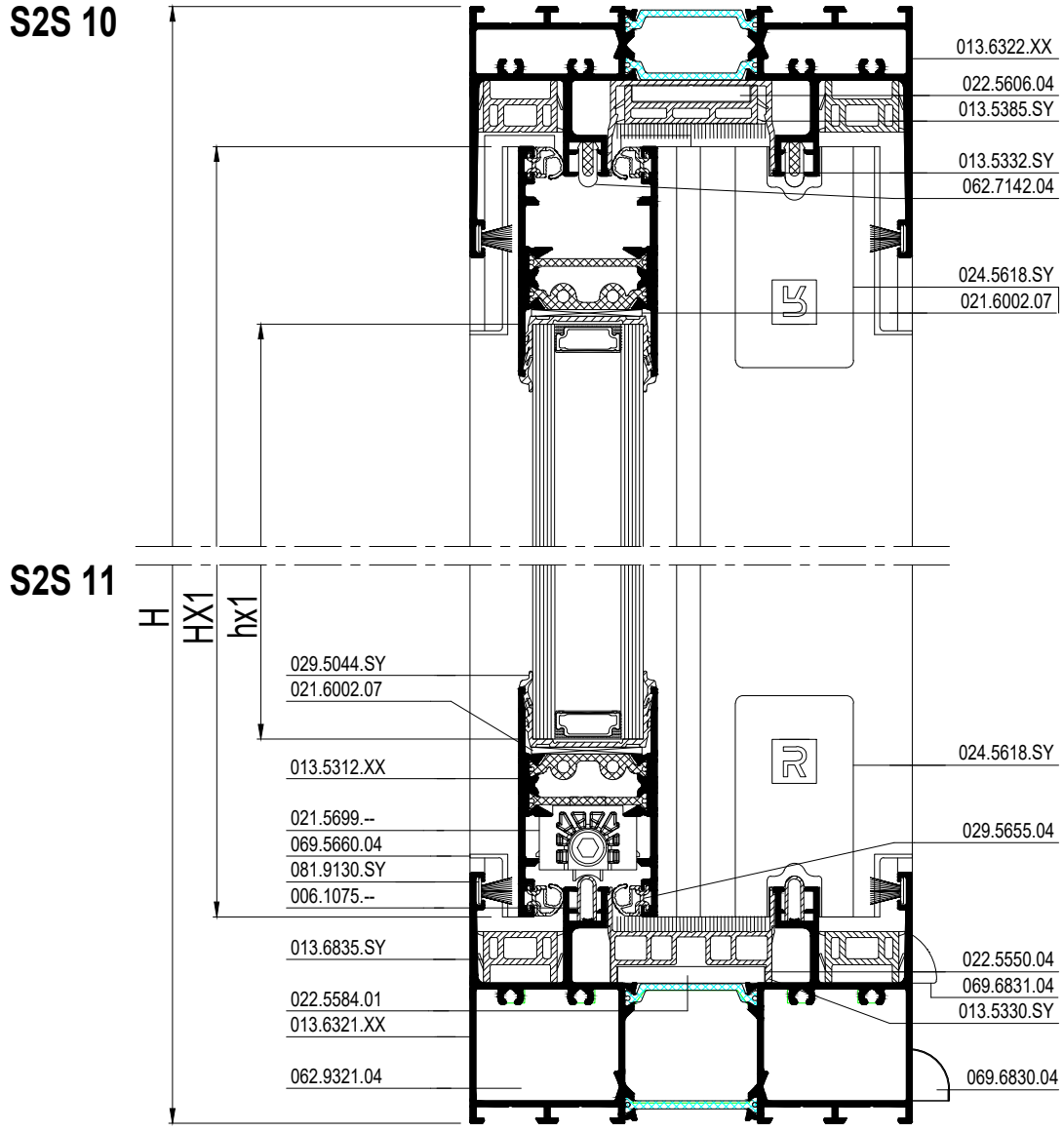


S2S 9



schaal - échelle
scale - Maßstab
1/2





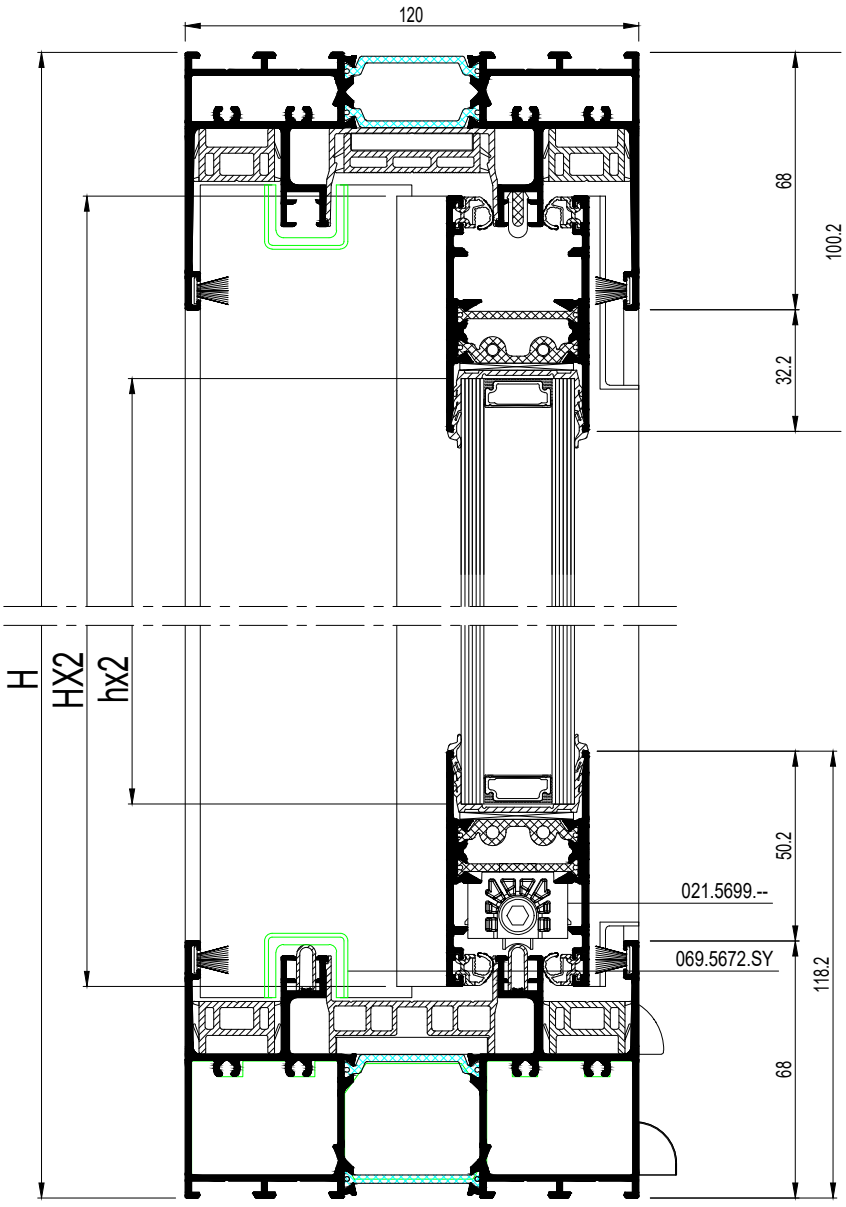
schaal - échelle
scale - Maßstab
1/2

		#
052.5325.--		32
021.6002.07		8
021.5699.--**		4
024.5618.SY		4
022.5550.04		1
022.5606.04		1
024.5623.SY		4
024.5621.SY		4
024.5619.SY		2
062.7142.04		2
062.7147.SY		2
022.5584.01		2
069.6830.04		4
069.6831.04		min. 4
029.5044.SY		2B + 4H
029.5655.04		4B + 4H
081.9098.07		2H
081.9130.SY		4H + 4B
062.9321.04		2
080.9727.04		4
069.5660.04		8
069.8405.ZC		2
022.5378.--***		2
069.8447.--		2
069.8408.PA		2
069.5672.SY		4
062.7715.XX		2
050.5055.--		2
024.5605.04		24
065.6555.04		2
069.5653.SY		2

** See 47J.F. ...
*** See 47J.F. ...

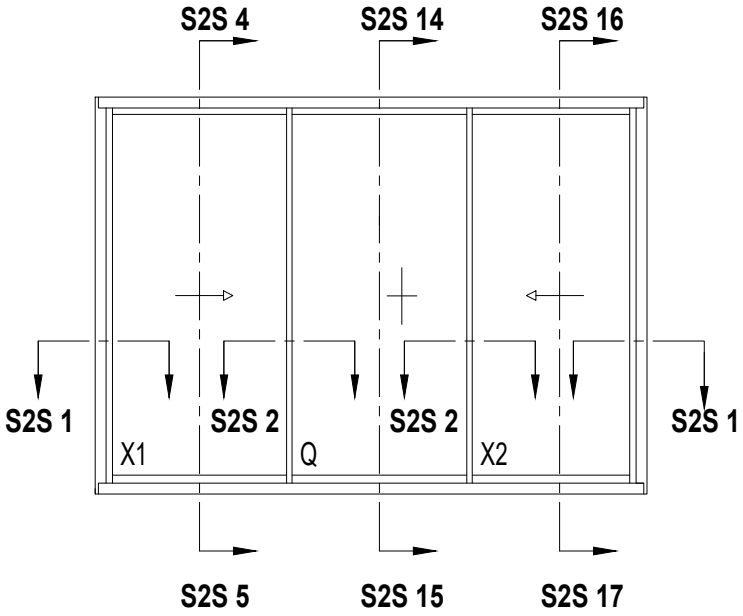
S2S 12

S2S 13



schaal - échelle
scale - Maßstab
1/2

E



			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B1-65
			1	B2-90
			1	B3-65
013.5385.SY			1	B1-59
			1	B2-50
			1	B3-59
013.6835.SY			2	H-86
			2	B-40
013.6305.XX			1	B1-93
			1	B3-93
013.6306.XX			2	H-88
			1	B1-93
			1	B3-93
006.1075.--			1	B-92
			1	B2+42
013.6300.XX			2	H-94
013.6302.XX			4	H-94*
013.5328.SY			4	H-94*
013.5312.XX			2	B1-93
			2	B2-2
			2	B3-93

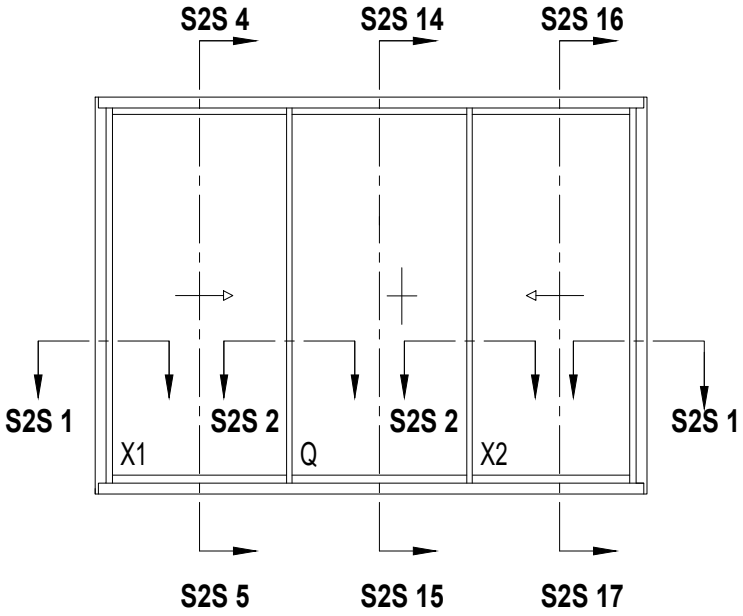
* Assembly before sawing

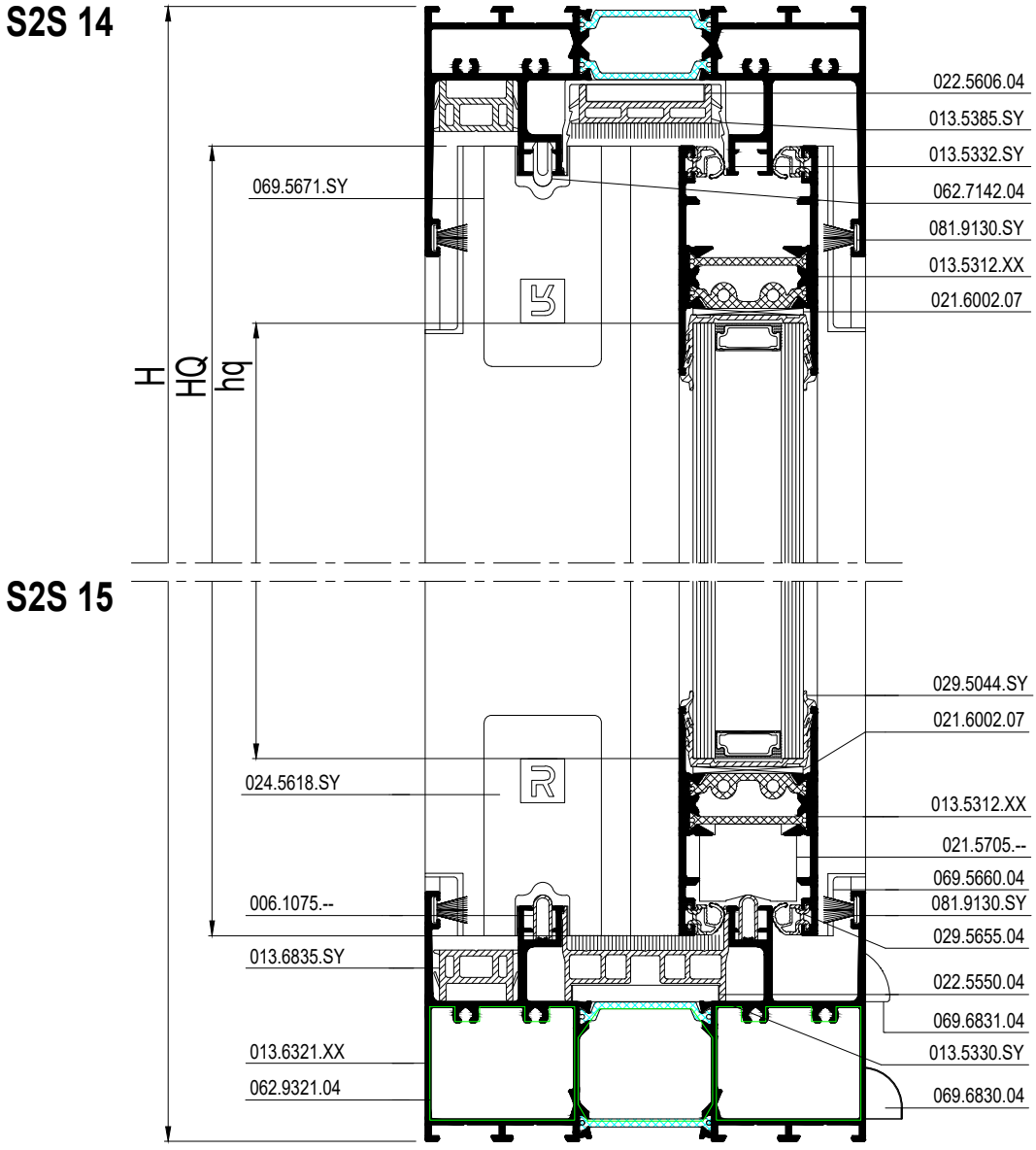
E

schaal - échelle
scale - Maßstab
1/2

BX1 = B1-22
BQ = B2+33
BX2 = B3-22
HX1 = H-94
HQ = H-94
HX2 = H-94
bx1= BX1-76
bq= BQ-40
bx2 = BX2-76
hx1 = HX1-96.4
hq = HQ-96.4
hx2 = HX2-96.4

schaal - échelle
scale - Maßstab
1/2



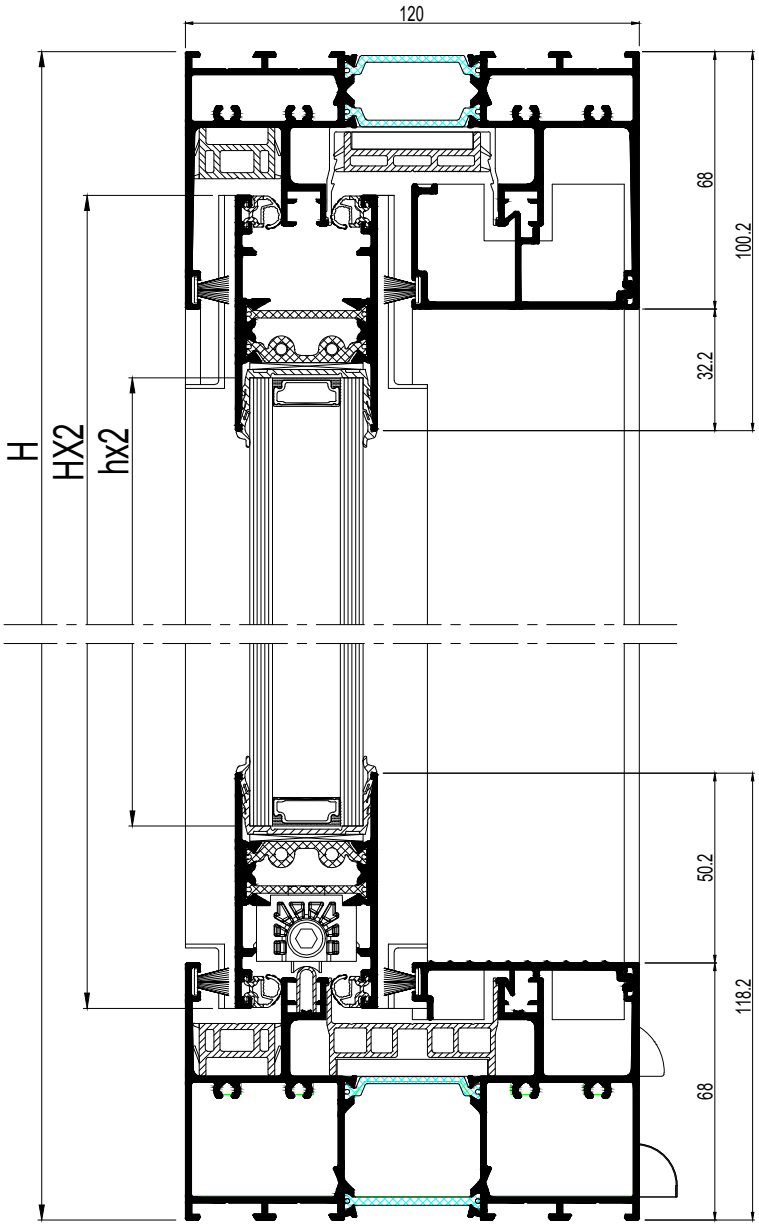


schaal - échelle
scale - Maßstab
1/2

		#
052.5325.--		40
021.6002.07		12
021.5699.--**		4
021.5705.--		2
024.5618.SY		8
069.5673.SY		2
022.5550.04		2
022.5606.04		2
024.5623.SY		4
024.5621.SY		4
024.5619.SY		4
062.7142.04		2
062.7147.SY		2
022.5584.01		4
069.6830.04		6
069.6831.04		min. 6
029.5044.SY		2B + 6H
029.5655.04		4B + 4H
081.9098.07		4H
081.9130.SY		4H + 4B
022.5418.04		2
062.9321.04		2
080.9727.04		4
069.5660.04		16
069.8405.ZC***		2
022.5378.--***		2
069.8447.--		2
069.8408.PA		2
024.5605.04		36
065.6555.04		2
069.5653.SY		2

** See 47J.F. ...
*** See 47J.F. ...

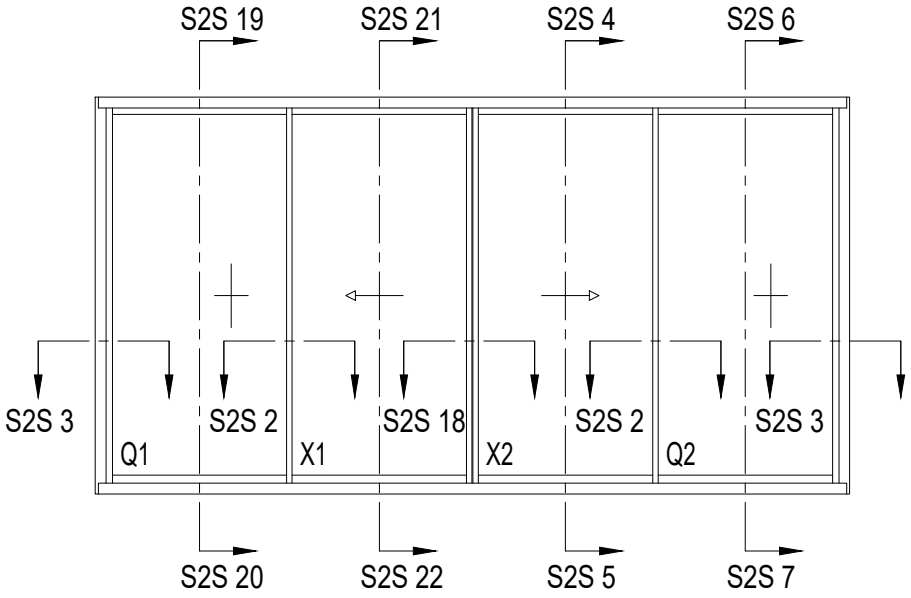
S2S 16



S2S 17

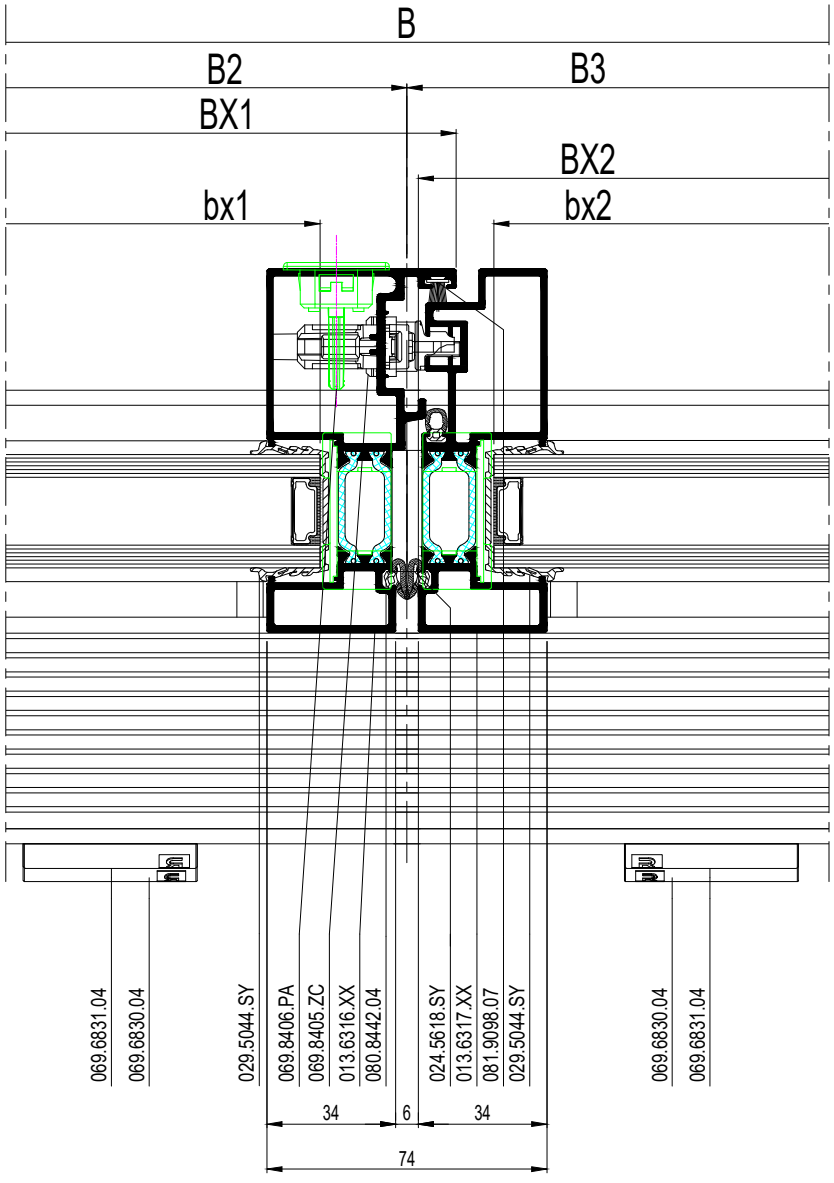
schaal - échelle
scale - Maßstab
1/2

E



BQ1 = B1-22	HQ1 = H-94
BX1 = B2+29	HX1 = H-94
BX2 = B3+13	HX2 = H-94
BQ2 = B4-22	HQ2 = H-94
bq1 = BQ1-76	hq1 = HQ1-96.4
bx1= BX1-56	hx1 = HX1-96.4
bx2= BX2-40	hx2 = HX2-96.4
bq2 = BQ2-76	hq2 = HQ2-96.4

S2S 18



schaal - échelle
scale - Maßstab
1/2

E

			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B1-65
			1	B2-90
			1	B3-90
			1	B4-65
013.5385.SY			1	B1-59
			1	B2-50
			1	B3-50
			1	B4-59
013.6835.SY			2	B-40
013.6305.XX			1	B2+B3-49
013.6306.XX			2	H-88
			1	B2+B3-49
006.1075.--			1	B-92
			1	B1-25
			1	B4-25
013.6300.XX			2	H-94
013.6302.XX			4	H-94*
013.5328.SY			4	H-94*
013.5312.XX			2	B1-93
			2	B2-22
			2	B3-22
			2	B4-93
013.6316.XX			1	H-94
013.6317.XX			1	H-94

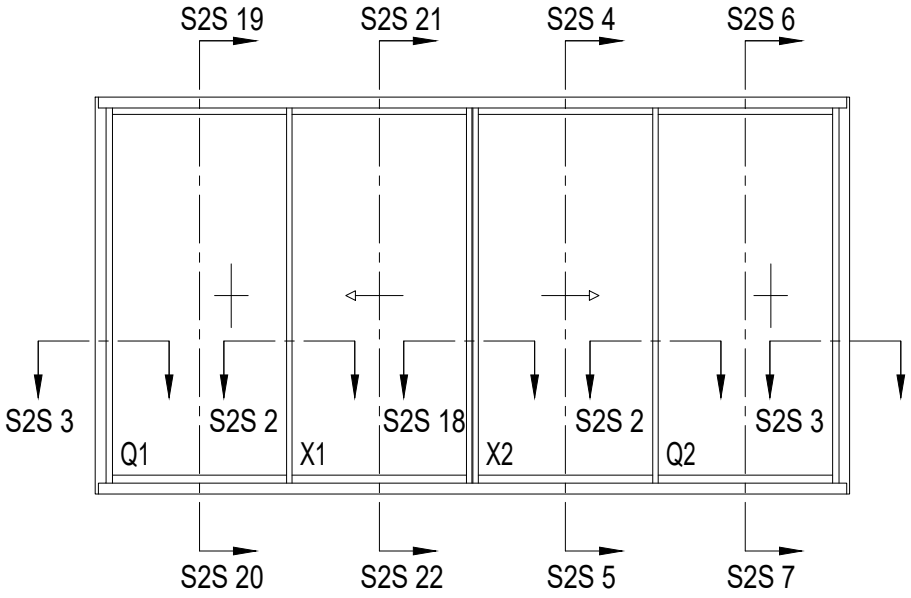
* Assembly before sawing

		#
052.5325.--		48
021.6002.07		16
021.5699.--**		4
024.5618.SY		12
069.5673.SY		2
022.5550.04		3
022.5606.04		3
024.5623.SY		4
024.5621.SY		4
069.5663.SY		4
024.5619.SY		4
062.7142.04		3
022.5584.01		6
069.6830.04		8
069.6831.04		min. 8
029.5044.SY		2B + 8H
029.5655.04		4B + 4H
081.9098.07		5H
081.9130.SY		4B + 4H
021.5705.--		4
022.5418.04		2
062.9321.04		2
080.9727.04		4
069.5660.SY		16
069.5665.04		1
069.8405.ZC***		1
022.5378.--***		1
069.8406.PA		1
080.8442.04		3H
062.7715.XX		2
050.5055.--		2
024.5642.04		4
024.5605.04		48
069.5672.SY		4
065.6555.04		2
069.5653.SY		2

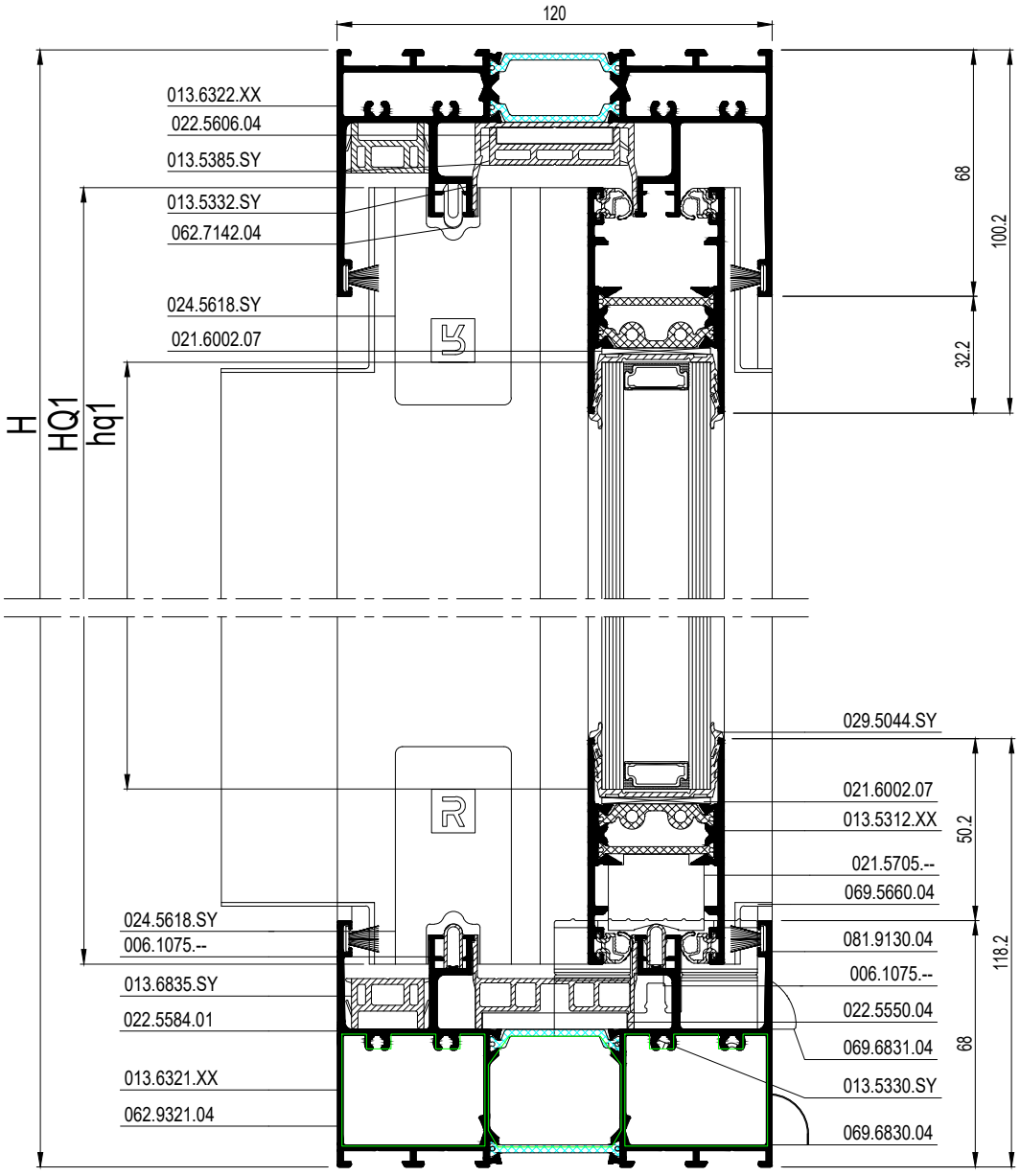
** See 47J.F. ...
*** See 47J.F. ...

E

schaal - échelle
scale - Maßstab
1/2



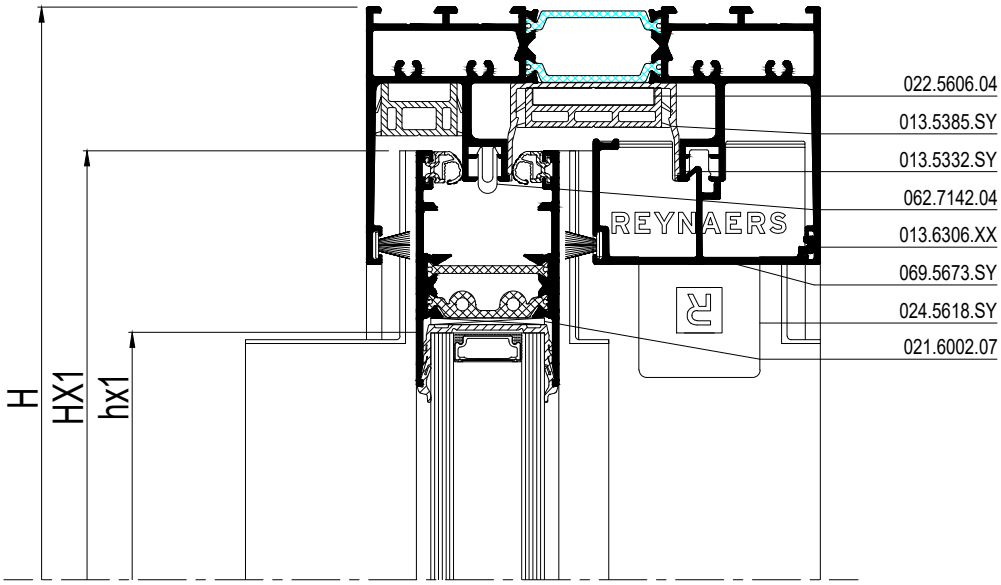
S2S 19



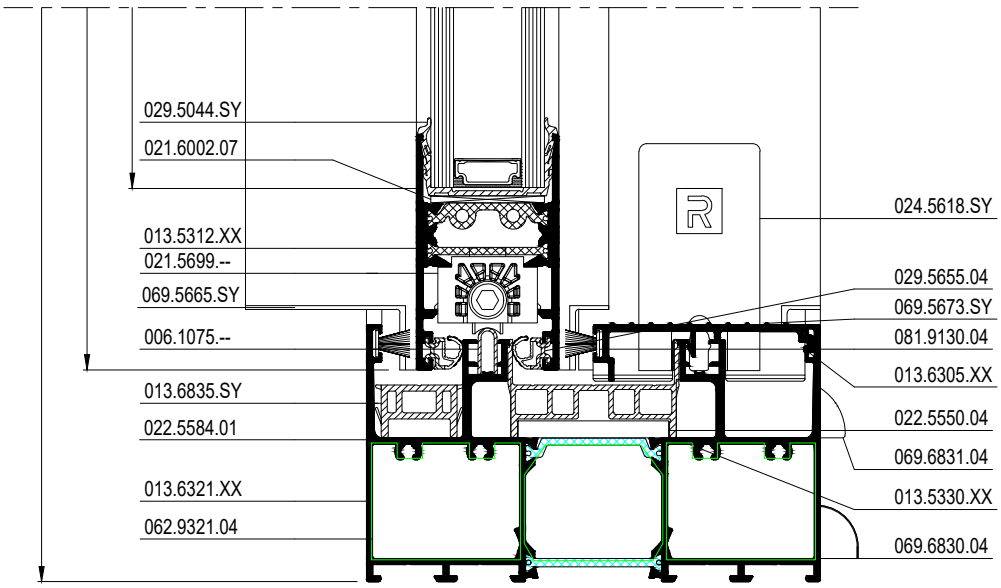
S2S 20

schaal - échelle
scale - Maßstab
1/2

S2S 21

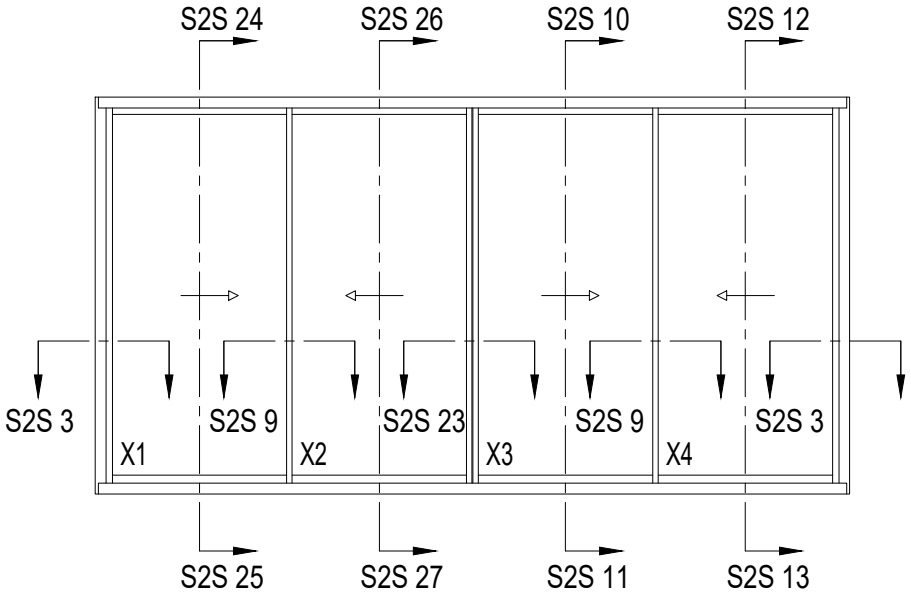


S2S 22



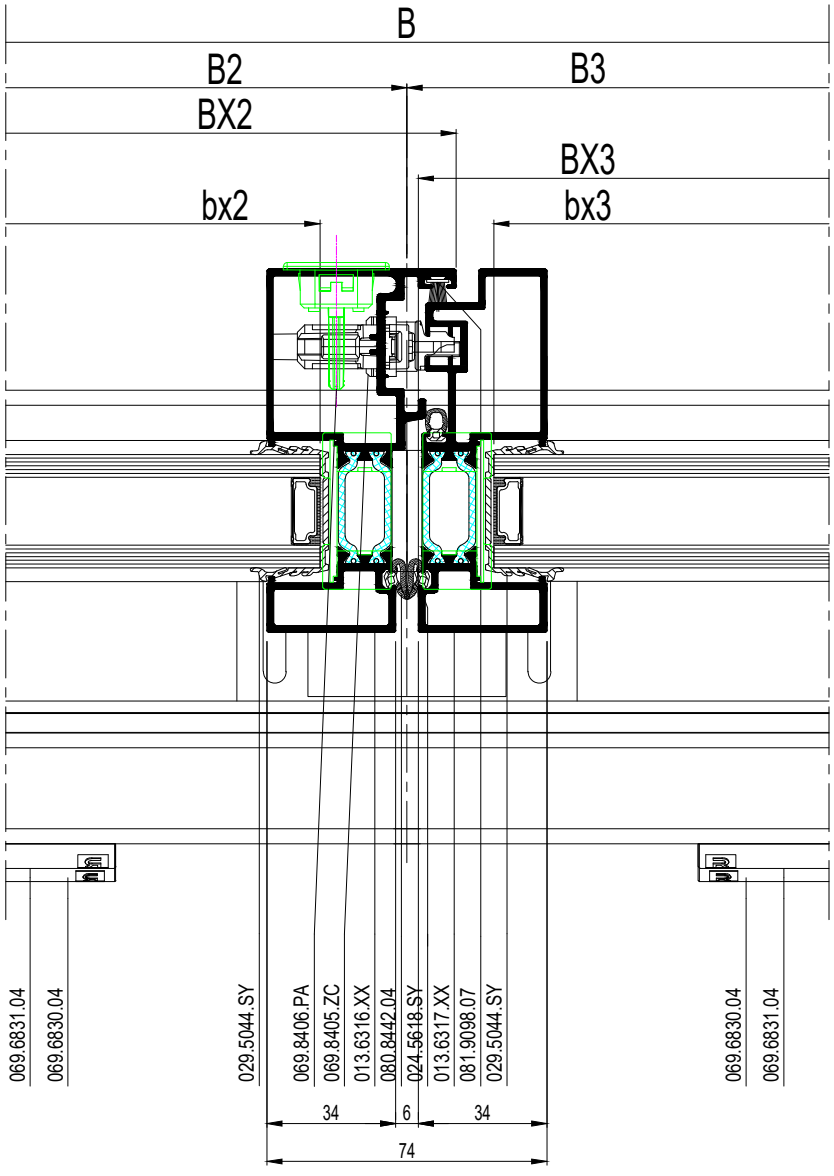
schaal - échelle
scale - Maßstab
1/2

E



BX1 = B1-22	HX1 = H-94
BX2 = B2+29	HX2 = H-94
BX3 = B3+13	HX3 = H-94
BX4 = B4-22	HX4 = H-94
bx1 = BX1-76	hx1 = HX1-96.4
bx2= BX2-56	hx2 = HX2-96.4
bx3= BX3-40	hx3 = HX3-96.4
bx4 = BX4-76	hx4 = HX4-96.4

S2S 23



schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B1-65
			1	B2-90
			1	B3-90
			1	B4-65
013.5385.SY			1	B1-59
			1	B2-50
			1	B3-50
			1	B4-59
013.6835.SY			4	B-40
			2	H-86
013.6306.XX			2	H-88
006.1075.--			2	B-92
013.6300.XX			2	H-94
013.6302.XX			4	H-94*
013.5328.SY			4	H-94*
013.5312.XX			2	B1-93
			2	B2-22
			2	B3-22
			2	B4-93
013.6316.XX			1	H-94
013.6317.XX			1	H-94

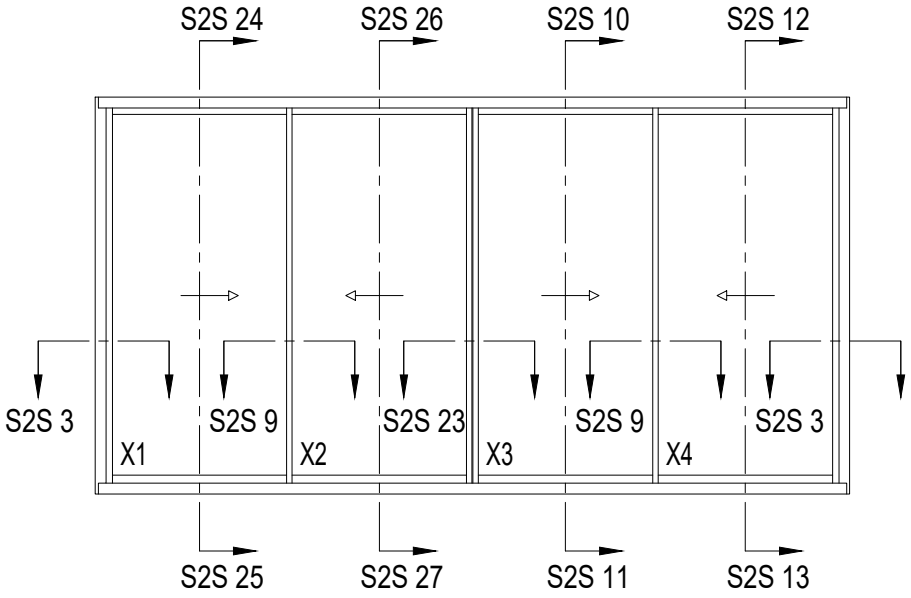
* Assembly before sawing

		#
052.5325.--		48
021.6002.07		16
021.5699.--**		8
024.5618.SY		12
022.5550.04		3
022.5606.04		3
024.5623.SY		4
024.5621.SY		4
069.5663.SY		4
024.5619.SY		4
062.7142.04		5
062.7147.SY		2
022.5584.01		6
069.6830.04		8
069.6831.04		min. 8
029.5044.SY		2B + 8H
029.5655.04		4B + 4H
081.9098.07		5H
081.9130.SY		4B + 4H
062.9321.04		2
080.9727.04		4
069.5660.SY		12
069.5665.04		1
069.8405.ZC***		3
069.8447.--		2
022.5378.--***		3
069.8406.PA		1
069.8408.PA		2
080.8442.04		3H
062.7715.XX		4
050.5055.--		4
024.5605.04		48
069.5672.SY		4
065.6555.04		2
069.5653.SY		2

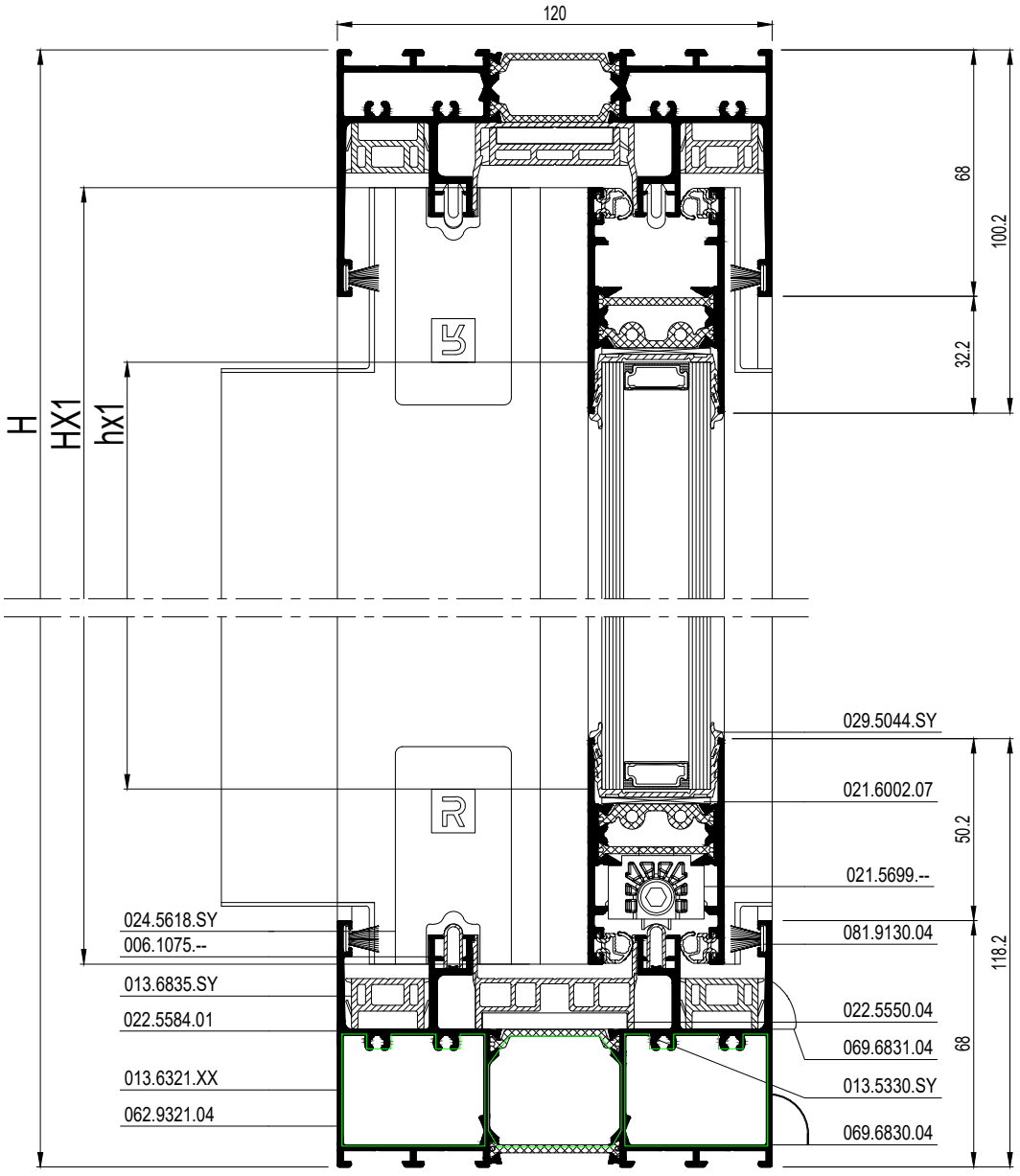
** See 47J.F. ...
*** See 47J.F. ...

E

schaal - échelle
scale - Maßstab
1/2



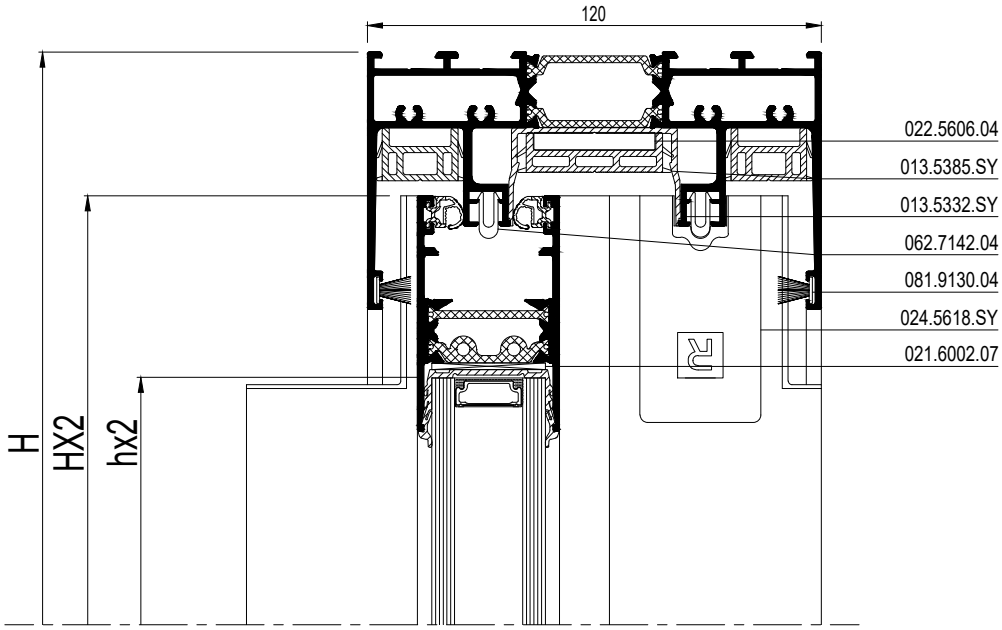
S2S 24



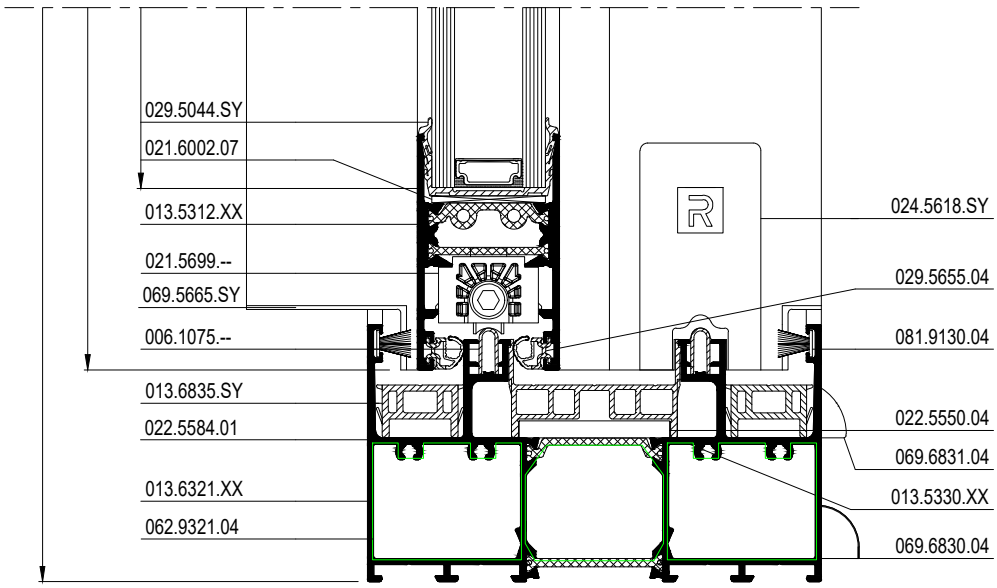
S2S 25

schaal - échelle
scale - Maßstab
1/2

S2S 26

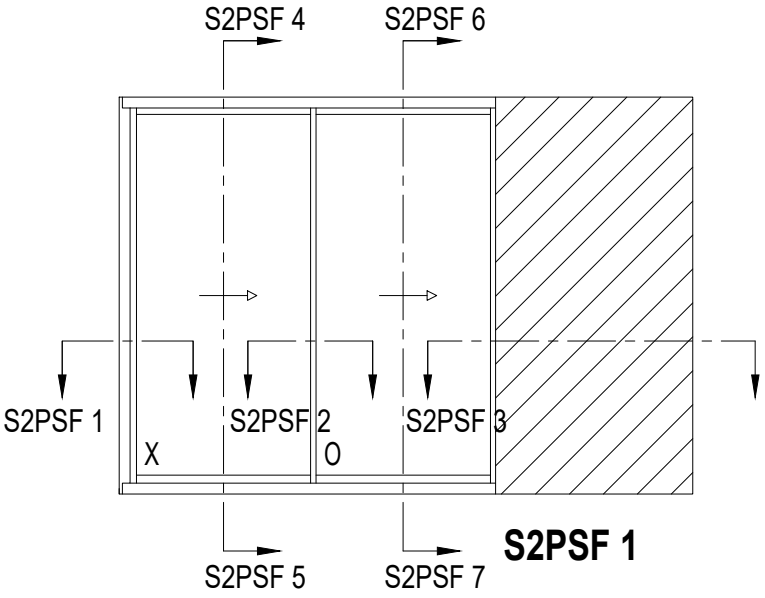


S2S 27



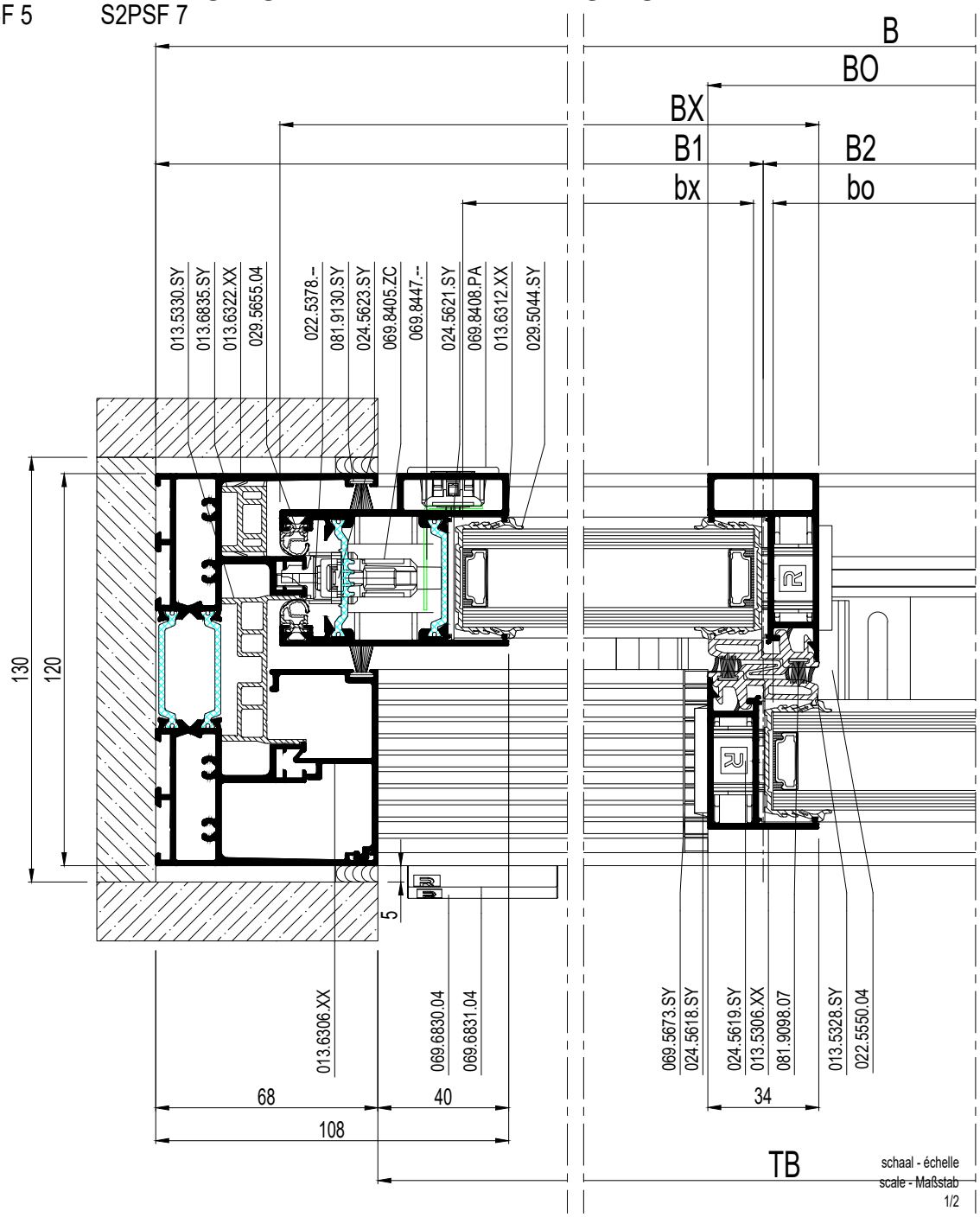
schaal - échelle
scale - Maßstab
1/2

E

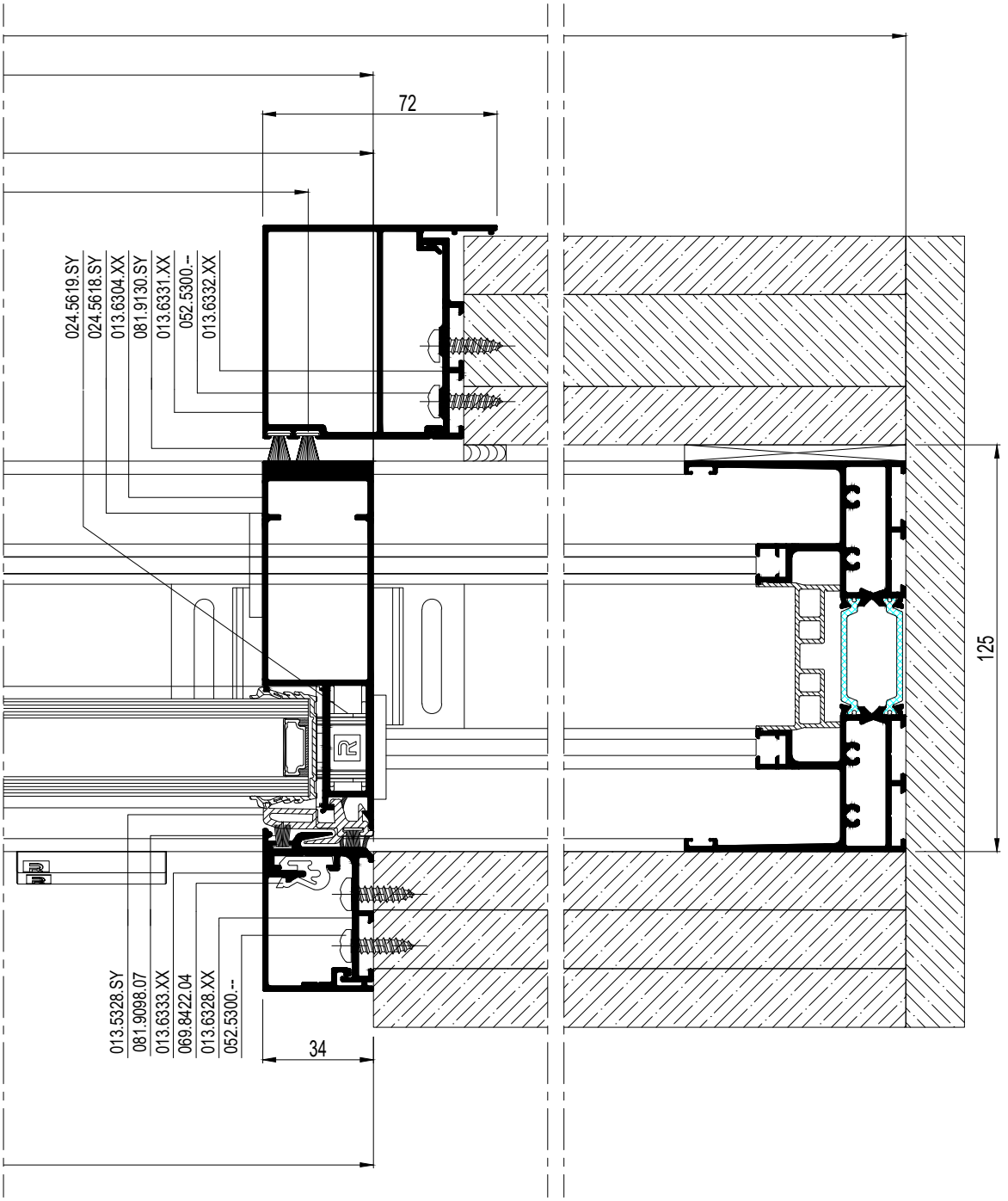


S2PSF 1

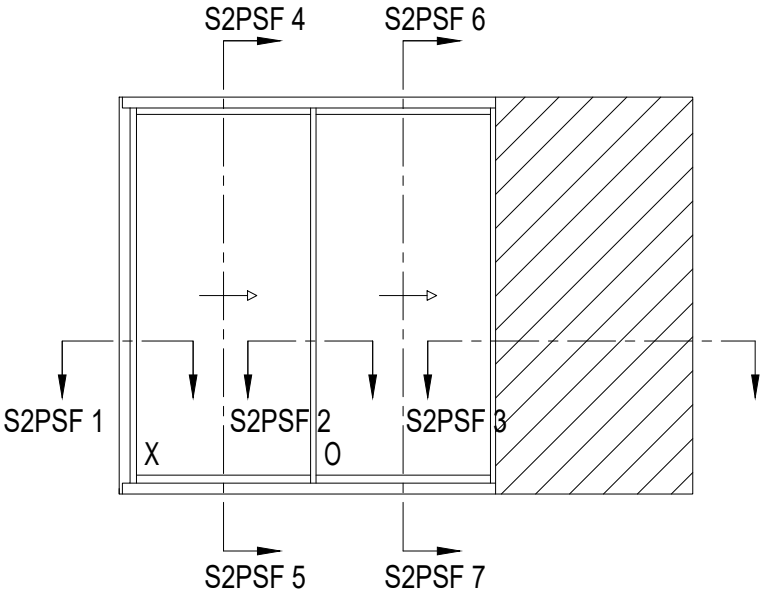
S2PSF 2



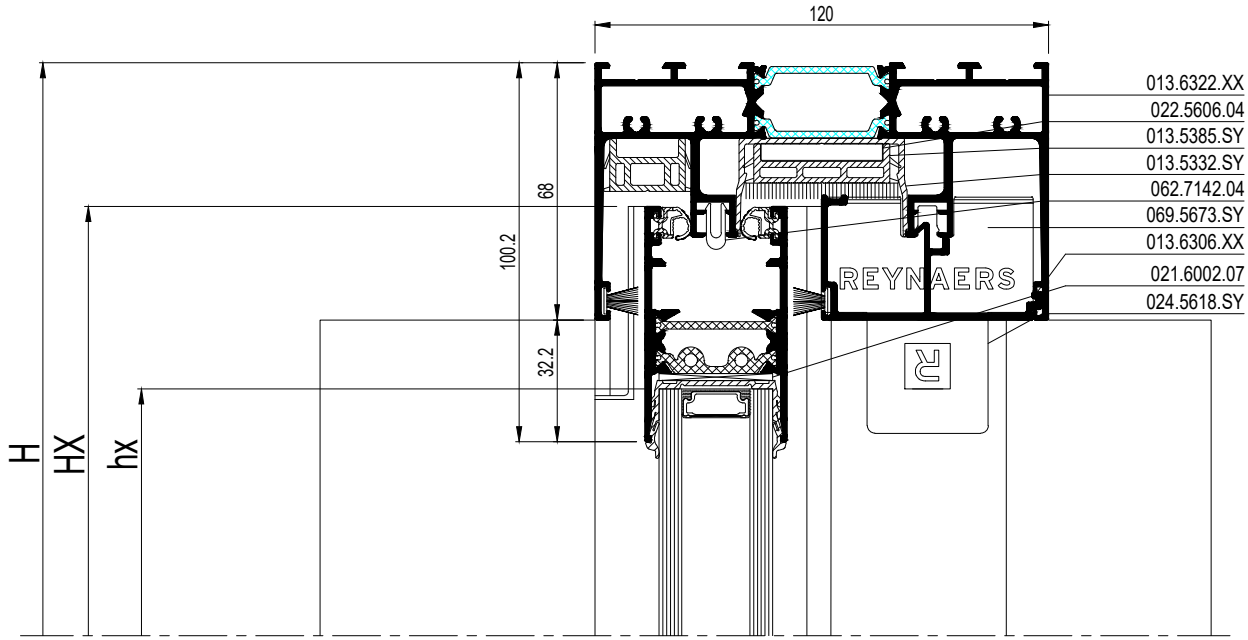
S2PSF 3



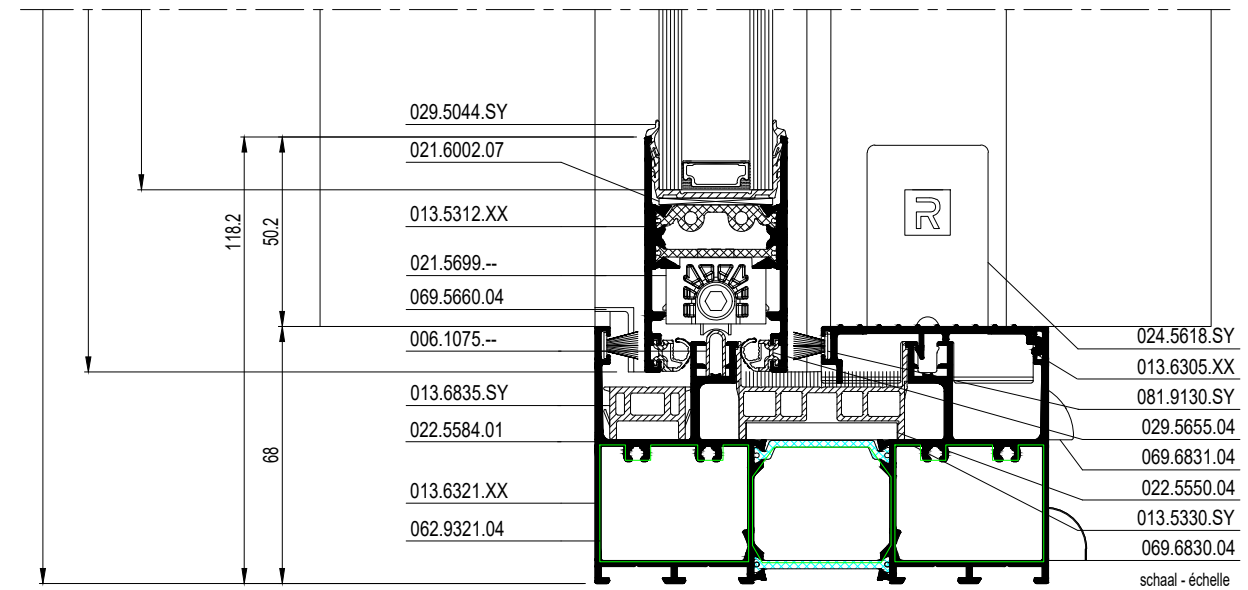
schaal - échelle
scale - Maßstab
1/2



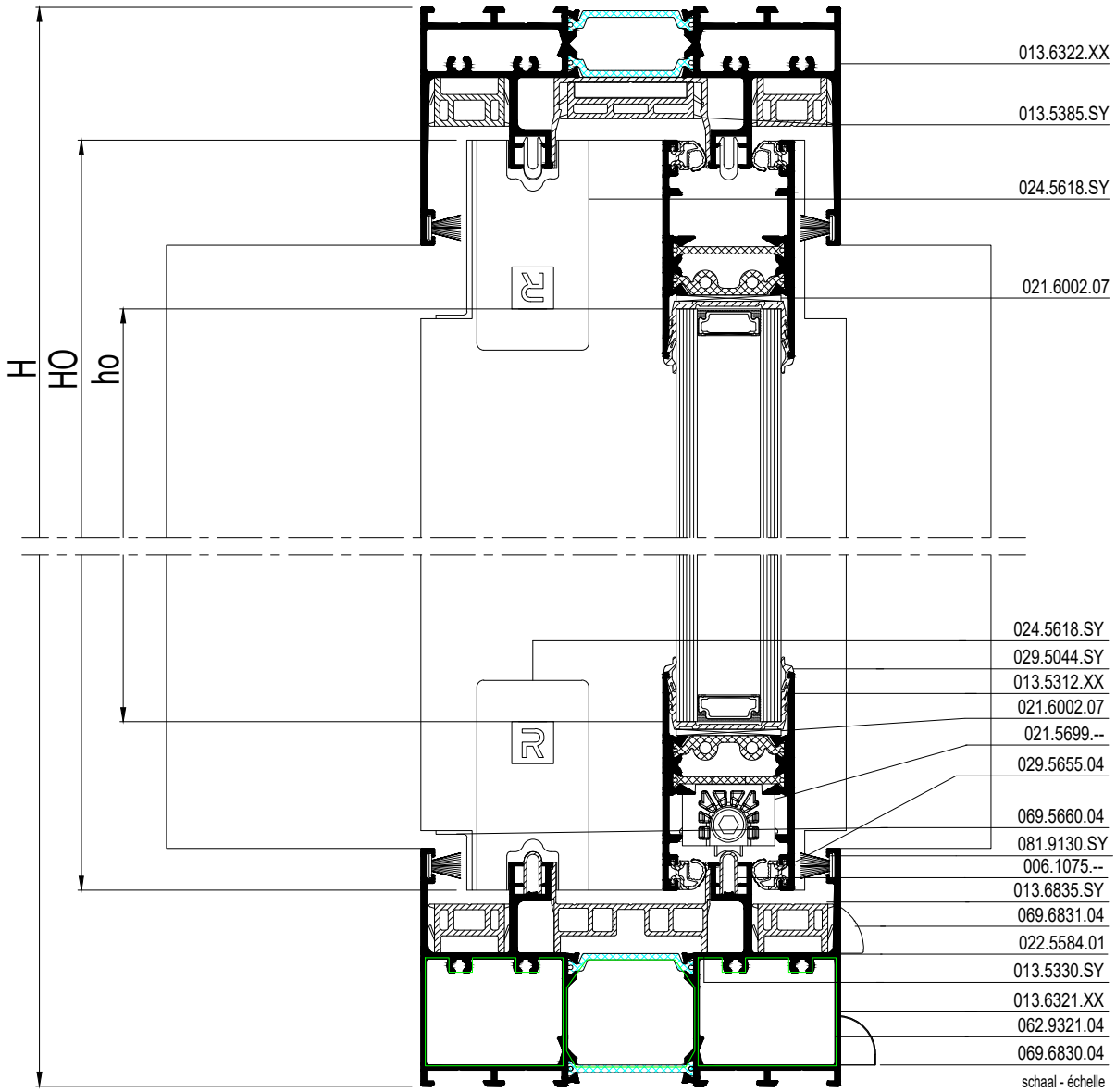
S2PSF 4



S2PSF 5



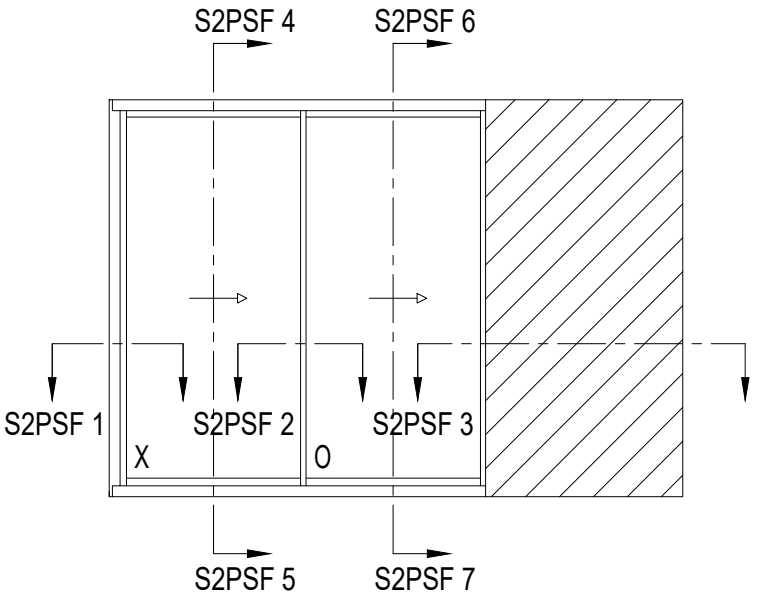
S2PSF 6



S2PSF 7

schaal - échelle
scale - Maßstab
1/2

E



B = 3/2TB+195
B1 = TB/2+32
B2 = TB/2+36
BX = TB/2+11
BO = TB/2+53
bx = BX-76
bo = BO-40
bx = bo-78
HX = H-94
HO = H-94
hx = HX-96.4
ho = HO-96.4

E

schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B1-65
			1	B2-107
			1	B-B1-B2-48
013.5385.SY			1	B1-59
			1	B2-67
			1	B-B1-B2-42
013.6835.SY			1	H-86
			2	B1+B2-54
			2	B2-17
013.6305.XX			1	B1-92.5
013.6306.XX			1	H-88
			1	B1-92.5
006.1075.--			1	B-92
			1	B-B1-25
013.6312.XX			1	H-94
013.6302.XX			1	H-94*
013.6304.XX			1	H-94*
013.5306.XX			1	H-94*
013.5328.SY			2	H-94*
			1	H-160
013.5312.XX			2	B1-92
			2	B2-18
013.6331.XX			1	H-136
013.6332.XX			1	H-136
013.6333.XX			1	H-136
013.6328.XX			1	H-136

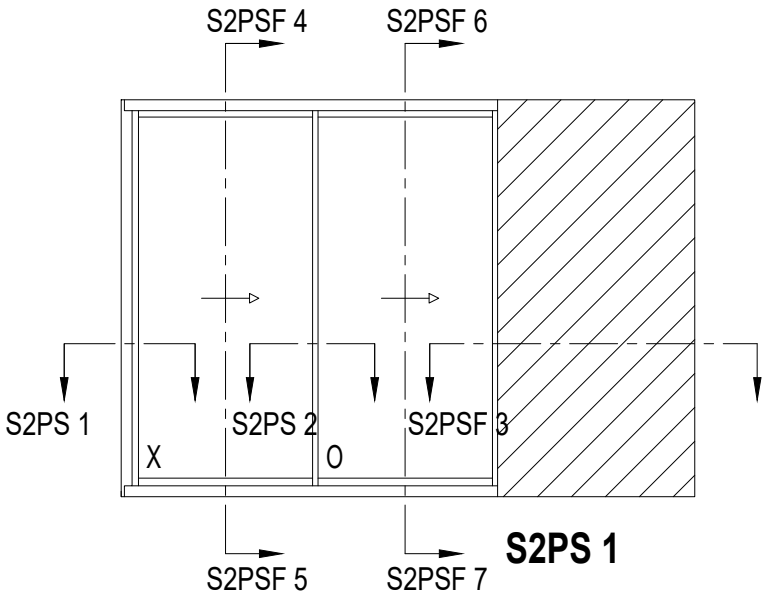
* Assembly before sawing

		#
052.5325.--		32
052.5300.--		min. 8
021.6002.07		8
021.5699.--**		4
024.5618.SY		8
069.5673.SY		1
024.5623.SY		2
024.5621.SY		2
024.5619.SY		2
069.5663.SY		2
062.7142.04		4
062.7147.SY		1
022.5584.01		4
069.6830.04		4
069.6831.04		min. 4
029.5044.SY		2B1+2B2+4H
029.5655.04		4B1+4B2+2H
081.9098.07		4H
081.9130.SY		4B + 4H
062.9321.04		2
080.9727.04		4
069.5660.04		6
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
024.5642.04		2
024.5605.04		24
062.7715.XX		1
050.5055.--		1
065.6555.04		2
069.5653.SY		2
069.8422.04		3
022.5550.04		2
022.5606.04		2
069.5675.04		1

** See 47J.F. ...
*** See 47J.F. ...

E

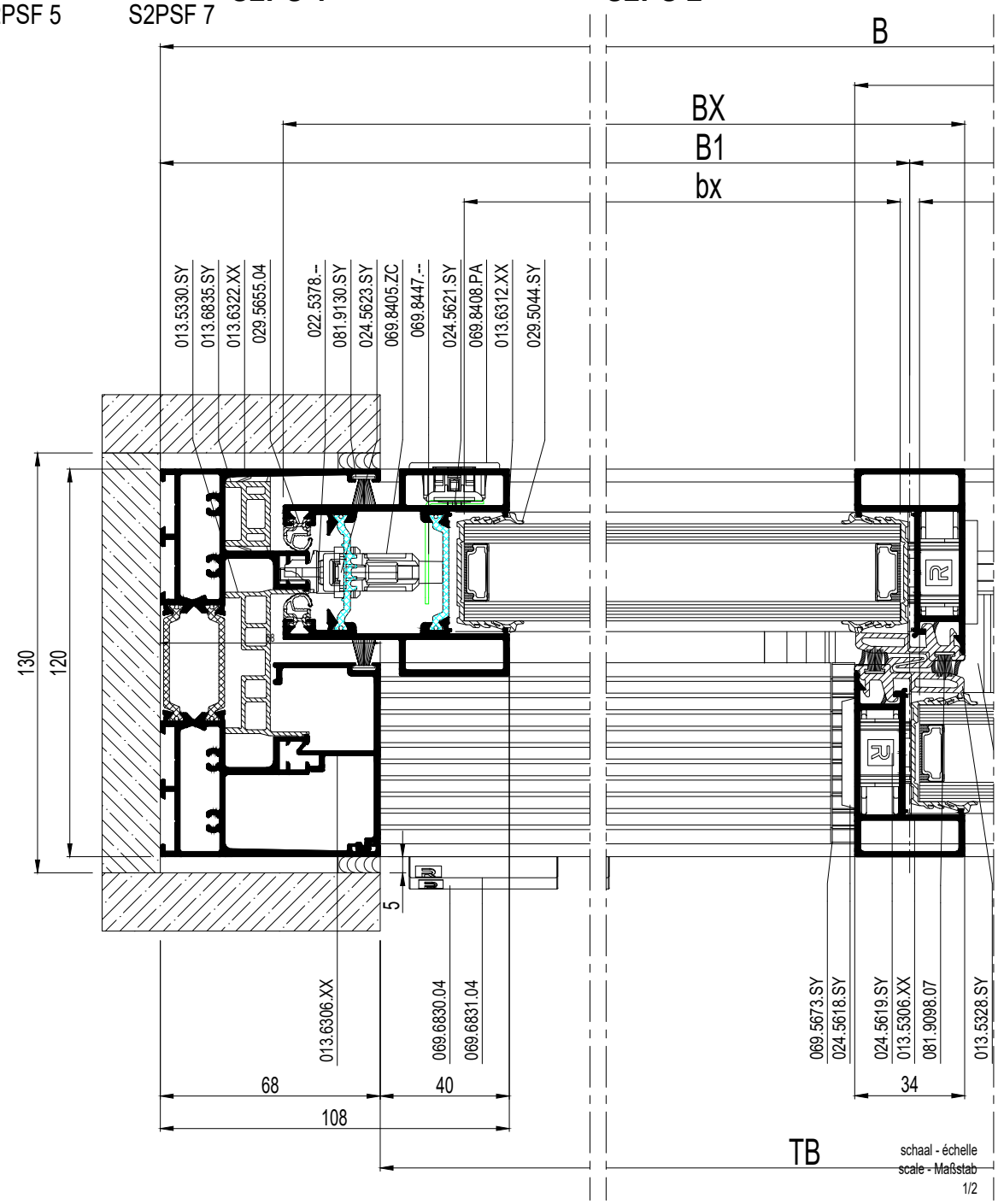
schaal - échelle
scale - Maßstab
1/2



B = 3/2TB+195
B1 = TB/2+71
B2 = TB/2-3
BX = TB/2+50
BO = TB/2+14
bx = BX-76
bo = BO-40
HX = H-94
HO = H-94
hx = HX-96.4
ho = HO-96.4

S2PS 1

S2PS 2



			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B1-65
			1	B2-107
			1	B-B1-B2-48
013.5385.SY			1	B1-59
			1	B2-67
			1	B-B1-B2-42
013.6835.SY			1	H-86
			2	B1+B2-54
			2	B2-17
013.6305.XX			1	B1-92.5
013.6306.XX			1	H-88
			1	B1-92.5
006.1075.--			1	B-92
			1	B-B1-25
013.6300.XX			1	H-94
013.6302.XX			2	H-94*
013.6304.XX			1	H-94*
013.5328.SY			2	H-94*
			1	H-160
013.5312.XX			4	B1-92=B2-18
013.6331.XX			1	H-136
013.6332.XX			1	H-136
013.6333.XX			1	H-136
013.6328.XX			1	H-136

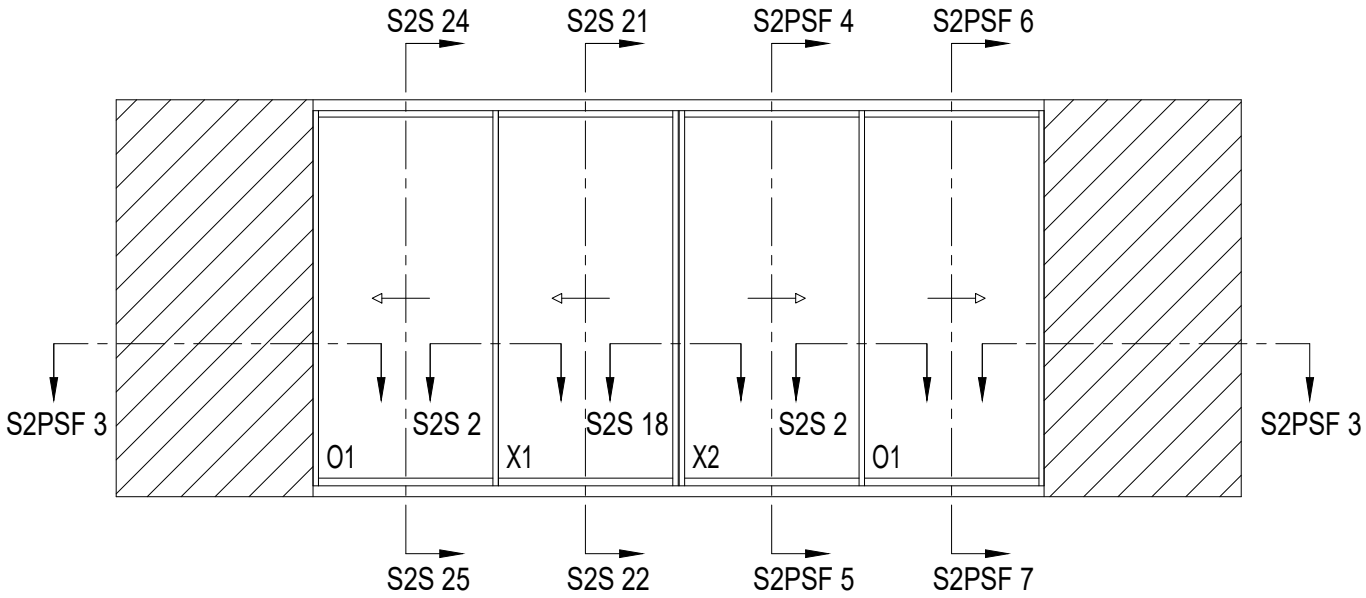
* Assembly before sawing

		#
052.5325.--		32
052.5300.--		min. 8
021.6002.07		8
021.5699.--**		4
024.5618.SY		8
069.5673.SY		1
024.5623.SY		2
024.5621.SY		2
024.5619.SY		2
069.5663.SY		2
062.7142.04		4
062.7147.SY		1
022.5584.01		4
069.6830.04		4
069.6831.04		min. 4
029.5044.SY		2B1+2B2+4H
029.5655.04		4B1+4B2+2H
081.9098.07		4H
081.9130.SY		4B + 4H
062.9321.04		2
080.9727.04		4
069.5660.04		10
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
024.5642.04		2
024.5605.04		24
062.7715.XX		1
050.5055.--		1
065.6555.04		2
069.5653.SY		2
069.8422.04		3
022.5550.04		2
022.5606.04		2
069.5675.04		1

** See 47J.F. ...
*** See 47J.F. ...

E

schaal - échelle
scale - Maßstab
1/2



			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B/2-B1-B2-48
			1	B/2-B3-B4-48
			1	B1-107
			1	B2-90
			1	B3-90
			1	B4-107
013.5385.SY			1	B/2-B1-B2-42
			1	B/2-B3-B4-42
			1	B1-67
			1	B2-50
			1	B3-50
			1	B4-67
013.6835.SY			2	B1+B2+B3+B4-68
			2	B1-17
			2	B4-17
013.6305.XX			1	B2+B3-49
013.6306.XX			1	B2+B3-49
006.1075.--			1	B-92
			1	B/2-B2-25
			1	B/2-B3-25
013.6302.XX			2	H-94*

013.6304.XX			2	H-94
013.5306.XX			2	H-94*
013.5328.SY			4	H-94*
			2	H-160
013.5312.XX			2	B1-18
			2	B2-21
			2	B3-21
			2	B4-18
013.6316.XX			1	H-94
013.6317.XX			1	H-94
013.6331.XX			2	H-136
013.6332.XX			2	H-136
013.6333.XX			2	H-136
013.6328.XX			2	H-136

* Assembly before sawing

schaal - échelle
scale - Maßstab
1/2

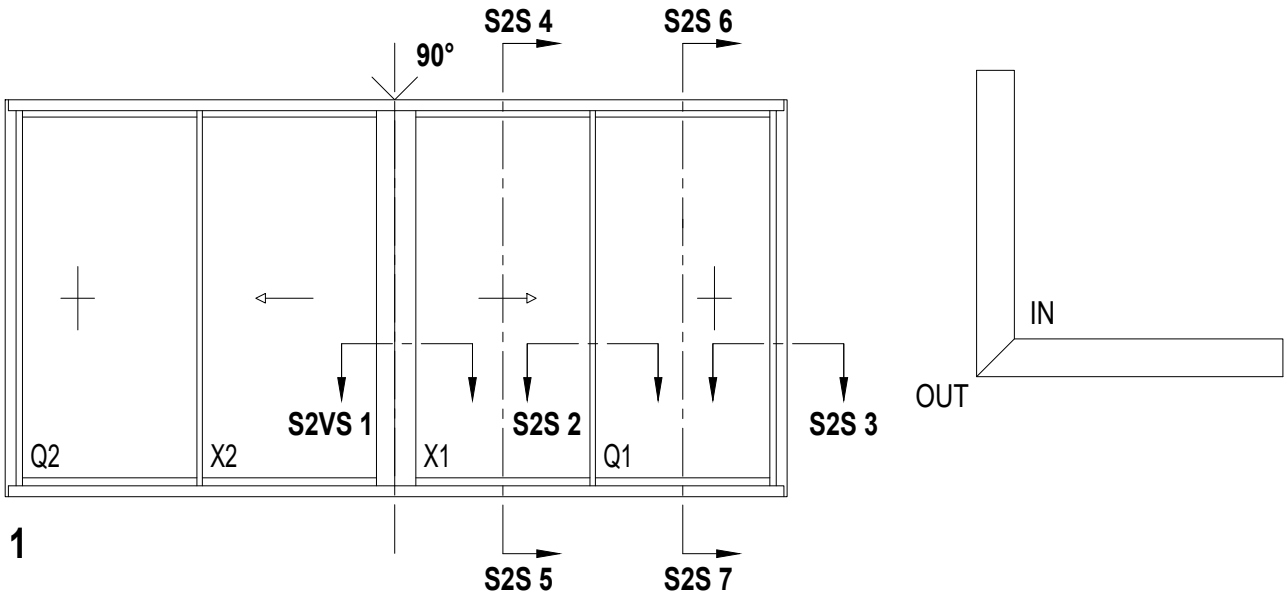
		#
052.5325.--		48
052.5300.--		min. 8
021.6002.07		16
021.5699.--**		8
024.5618.SY		20
069.5673.SY		2
069.5663.SY		8
024.5619.SY		4
062.7142.04		9
022.5584.01		10
069.6830.04		8
069.6831.04		min. 8
029.5044.SY		8B1 + 8H
029.5655.04		16B1
081.9098.07		9H
081.9130.SY		4B + 4H
062.9321.04		2
080.9727.04		4
069.5660.SY		12
069.5665.04		1
069.8405.ZC***		1
022.5378.--***		1
069.8406.PA		1
080.8442.04		3H
062.7715.XX		2
050.5055.--		2
024.5605.04		48
065.6555.04		2
069.5653.SY		2
024.5642.04		2
069.8422.04		6
022.5550.04		5
022.5606.04		5
069.5675.04		2

B = 3/2TB+179	HX1 = H-94
B1 = TB/4-1.5	HX2 = H-94
B2 = TB/4+1.5	HX3 = H-94
B3 = TB/4+1.5	HX4 = H-94
B4 = TB/4-1.5	hx1 = HX1-96.4
BO1=TB/4+15.5	hx2 = HX2-96.4
BX1=TB/4+31.5	hx3 = HX3-96.4
BX2=TB/4+15.5	hx4 = HX4-96.4
BO2=TB/4+15.5	
bo1 = BO1-40	
bx1 = BX1-56	
bx2 = BX2-40	
bo2 = BO2-40	

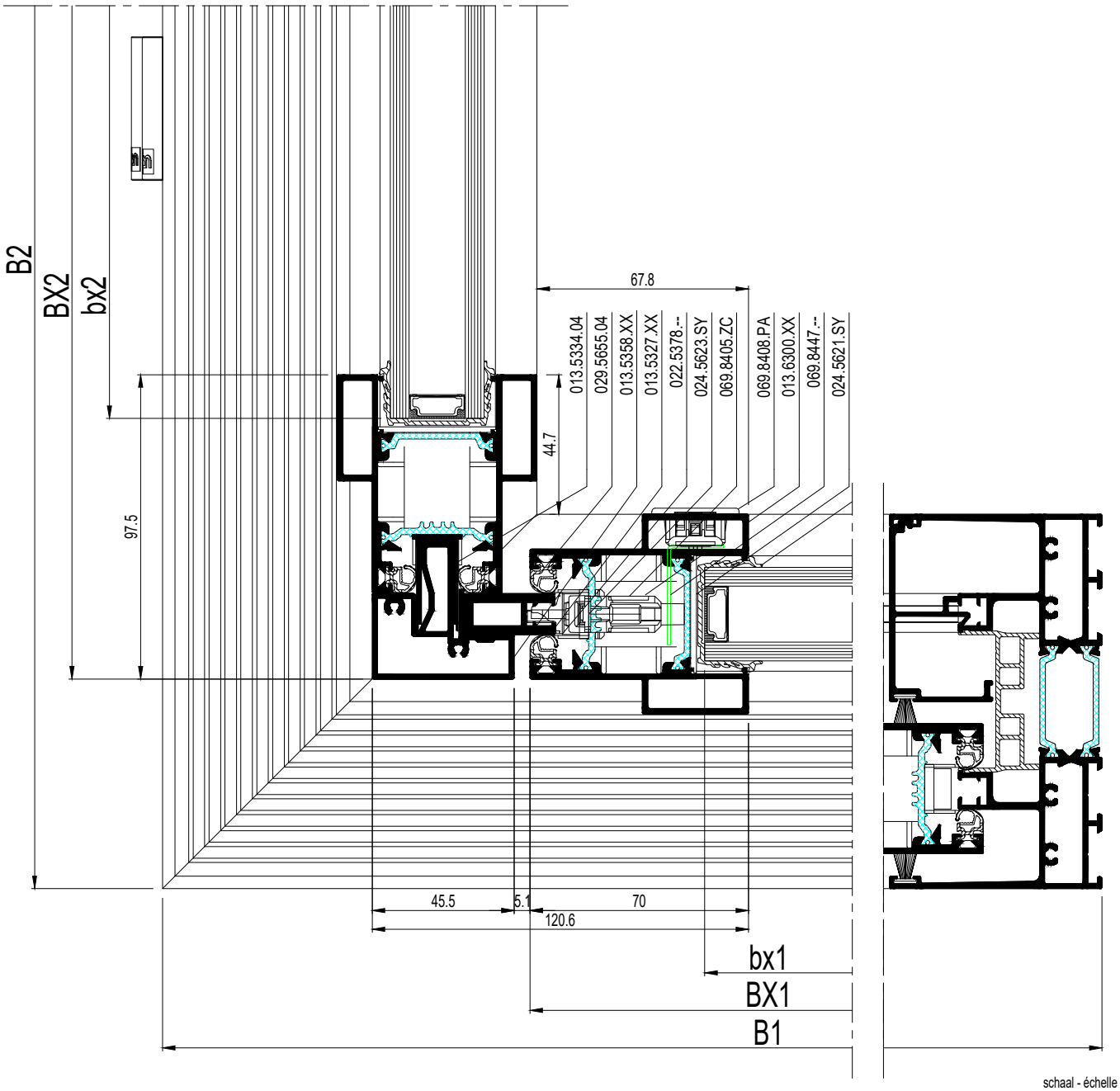
** See 47J.F. ...
*** See 47J.F. ...

E

schaal - échelle
scale - Maßstab
1/2



S2VS 1



schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6322.XX			2	H
			1	B1-21
			1	B2-21
013.6321.XX			1	B1-21
			1	B2-21
013.5332.SY			1	B1-57
			1	B2-57
013.5330.SY			2	H-58
			1	BQ1-44
			1	BX1+16
			1	BQ2-44
			1	BX2-32
013.5385.SY			1	BQ1-38
			1	BX1+36.5
			1	BQ2-38
			1	BX2-14
013.6835.SY			1	B1-114.5
			1	B1-114.5
			1	B2-114.5
			1	B2-114.5
013.6305.XX			1	BX1+74.5
			1	BX2+24
013.6306.XX			2	H-88
			1	BX1+74.5
			1	BX2+24
006.1075.--			1	BQ1-4
			1	B1-131.5
			1	BQ2-4
			1	B2-131.5
013.6300.XX			4	H-94
013.6302.XX			4	H-94*
013.5328.SY			4	H-94*
013.5312.XX			2	BQ1-71
			2	BX1-71
			2	BQ2-71
			2	BX2-98.5
013.5358.XX			1	H-188
013.5334.04			2	H-188
013.5327.SY			1	H-188

* Assembly before sawing

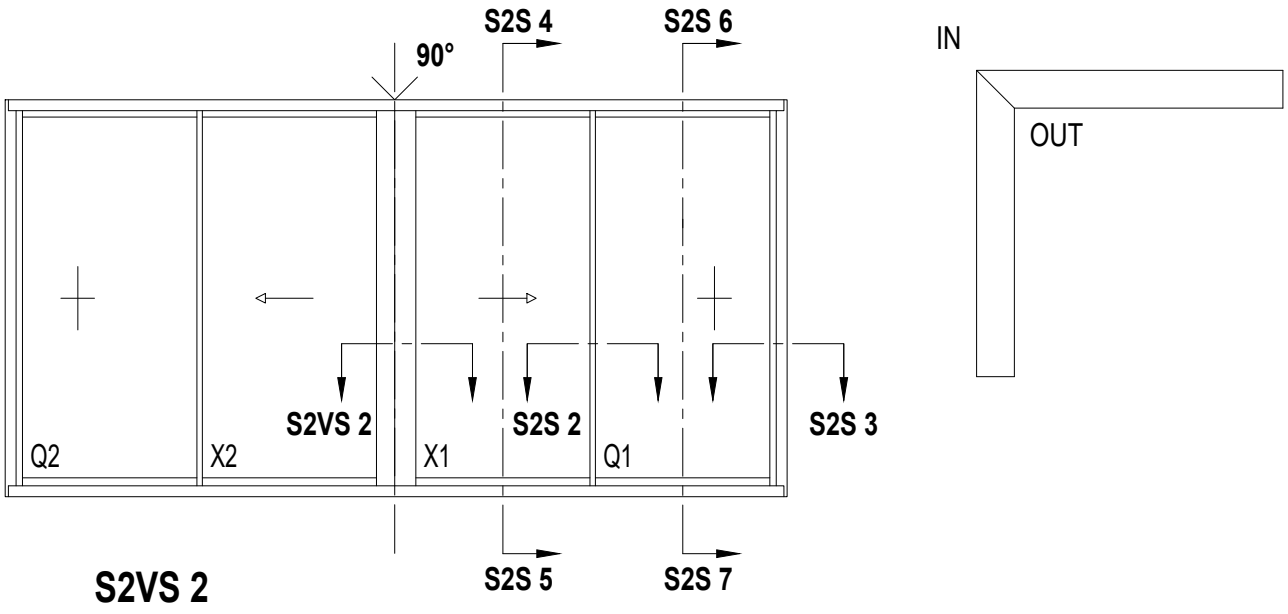
		#
052.5325.--		48
050.5091.--		16
050.5094.--		16
053.5405.--		min. 6
021.6002.07		16
021.5699.--**		4
024.5618.SY		8
069.5673.SY		2
022.5550.04		2
022.5606.04		2
024.5623.SY		6
024.5621.SY		8
024.5619.SY		4
062.7142.04		3
062.7147.SY		1
022.5584.01		4
069.6830.04		8
069.6831.04		min. 8
029.5044.SY		2B1+2B2+8H
029.5655.04		4B1+4B2+8H
081.9098.07		4H
081.9130.SY		4B1+4B2+4H
021.5705.--		4
022.5418.04		2
062.9321.04		4
080.9727.04		4
069.5660.04		20
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
024.5642.04		4
024.5605.04		48
069.5672.SY		4
062.7715.XX		2
050.5055.--		2
065.6555.04		4
069.5653.SY		2
022.5588.04		1
062.8083.00		4
062.8084.00		4
054.5441.04		32

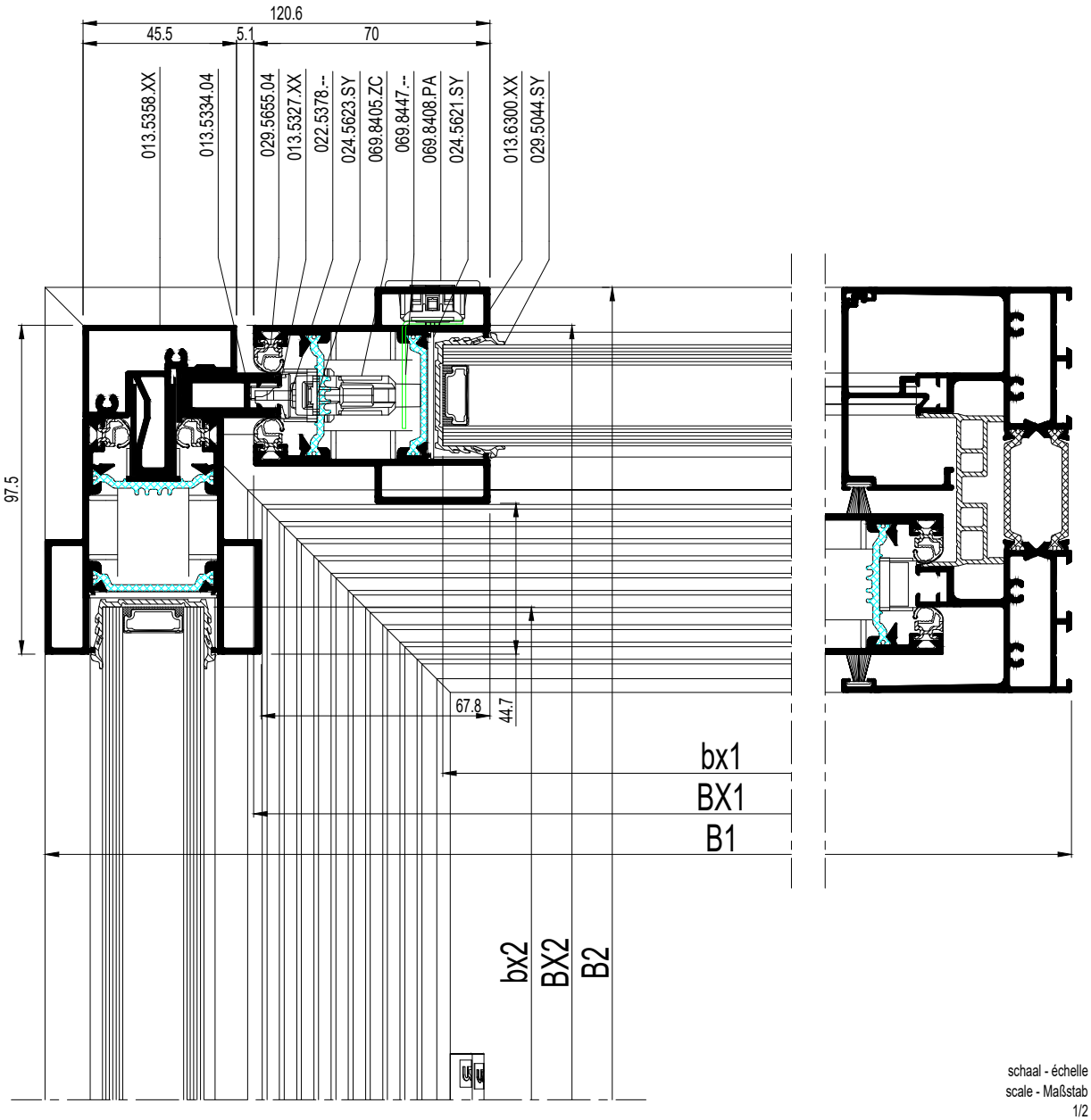
** See 47J.F. ...
*** See 47J.F. ...

BQ1 = B1/2-62
BX1 = B1/2-62
BX2 = B2/2-23
BQ2=B2/2-50.5
bq1 = BQ1-76
bx1 = BX1-76
bx2=BX2-103.5
bq2 = BQ2-76
HQ1 = H-94
HX1 = H-94
HX2 = H-94
HQ2 = H-94
hq1 = HQ-96.4
hx1 = HX-96.4
hx2 = HX-96.4
hq2 = HQ-96.4

E

schaal - échelle
scale - Maßstab
1/2





schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6322.XX			2	H
			1	B1-21
			1	B2-21
013.6321.XX			1	B1-21
			1	B2-21
013.5332.SY			1	B1-57
			1	B2-57
013.5330.SY			2	H-58
			1	BQ1-44
			1	BX1-37.5
			1	BQ2-44
			1	BX2-88
013.5385.SY			1	BQ1-38
			1	BX1-19.5
			1	BQ2-38
			1	BX2-70
013.6835.SY			1	B1-22
			1	B1-22
			1	B2-22
			1	B2-22
013.6305.XX			1	BX1-39.5
			1	BX2-90.5
013.6306.XX			2	H-88
			1	BX1-39.5
			1	BX2-90.5
006.1075.--			1	BQ1-4
			1	B1-75.5
			1	BQ2-4
			1	B2-75.5
013.6300.XX			4	H-94
013.6302.XX			4	H-94*
013.5328.SY			4	H-94*
013.5312.XX			2	BQ1-71
			2	BX1-71
			2	BQ2-71
			2	BX2-98.5
013.5358.XX			1	H-188
013.5334.04			2	H-188
013.5327.SY			1	H-188

* Assembly before sawing

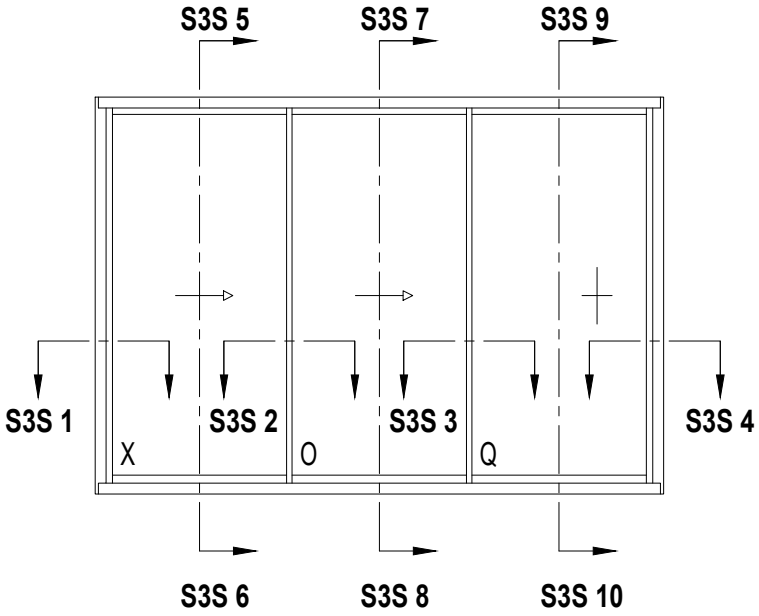
		#
052.5325.--		48
050.5091.--		16
050.5094.--		16
053.5405.--		min. 6
021.6002.07		16
021.5699.--**		4
024.5618.SY		8
069.5673.SY		2
022.5550.04		2
022.5606.04		2
024.5623.SY		6
024.5621.SY		8
024.5619.SY		4
062.7142.04		3
062.7147.SY		1
022.5584.01		4
069.6830.04		8
069.6831.04		min. 8
029.5044.SY		2B1+2B2+8H
029.5655.04		4B1+4B2+8H
081.9098.07		4H
081.9130.SY		4B1+4B2+4H
021.5705.--		4
022.5418.04		2
062.9321.04		4
080.9727.04		4
069.5660.04		20
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
024.5642.04		4
024.5605.04		48
069.5672.SY		4
062.7715.XX		2
050.5055.--		2
065.6555.04		4
069.5653.SY		2
022.5588.04		1
062.8083.00		4
062.8084.00		4
054.5441.04		32

** See 47J.F. ...
*** See 47J.F. ...

BQ1 = B1/2-34
BX1 = B1/2-34
BX2 = B2/2+5
BQ2=B2/2-22.5
bq1 = BQ1-76
bx1 = BX1-76
bx2=BX2-103.5
bq2 = BQ2-76
HQ1 = H-94
HX1 = H-94
HX2 = H-94
HQ2 = H-94
hq1 = HQ-96.4
hx1 = HX-96.4
hx2 = HX-96.4
hq2 = HQ-96.4

E

schaal - échelle
scale - Maßstab
1/2



			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1-65
			1	B2+B3-65
			1	B1+B2-65
			1	B3-65
013.5385.SY			1	B1-59
			1	B2+B3-59
			1	B1+B2-59
			1	B3-59
013.6835.SY			1	H-86
			2	B-40
013.6305.XX			1	B1-92.5
			1	B1+B2-92.5
013.6306.XX			4	H-88
			1	B1-92.5
			1	B1+B2-92.5
006.1075.--			1	B-92
			1	B2+B3-25
			1	B3-25
013.6300.XX			2	H-94
013.6304.XX			2	H-94*
013.6302.XX			2	H-94*
013.5328.SY			4	H-94*
013.5312.XX			2	B1-93
			2	B2-2
			2	B3-93

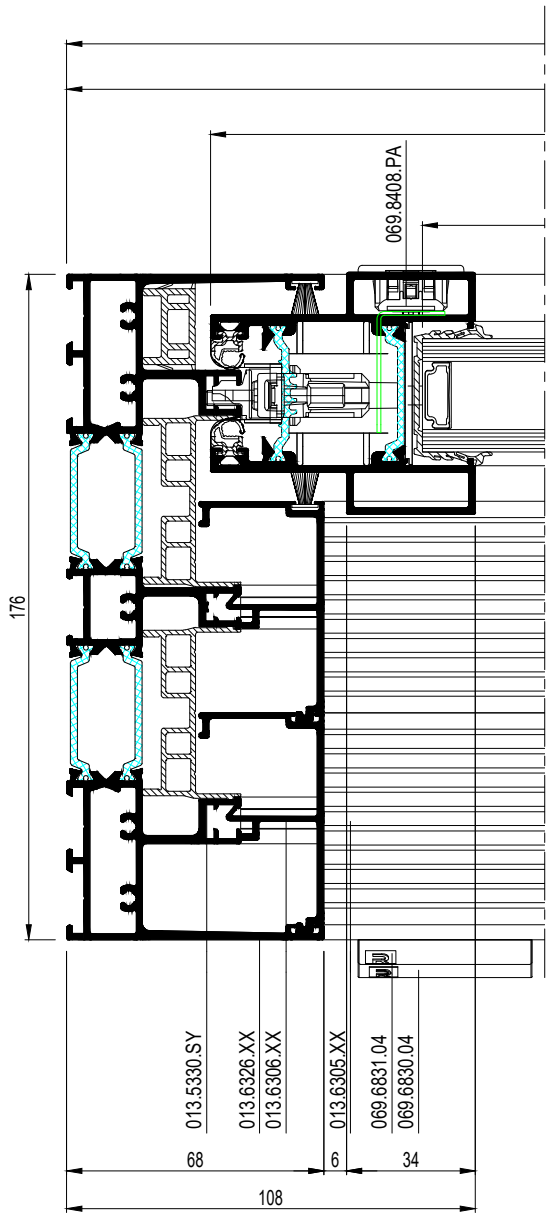
* Assembly before sawing

E

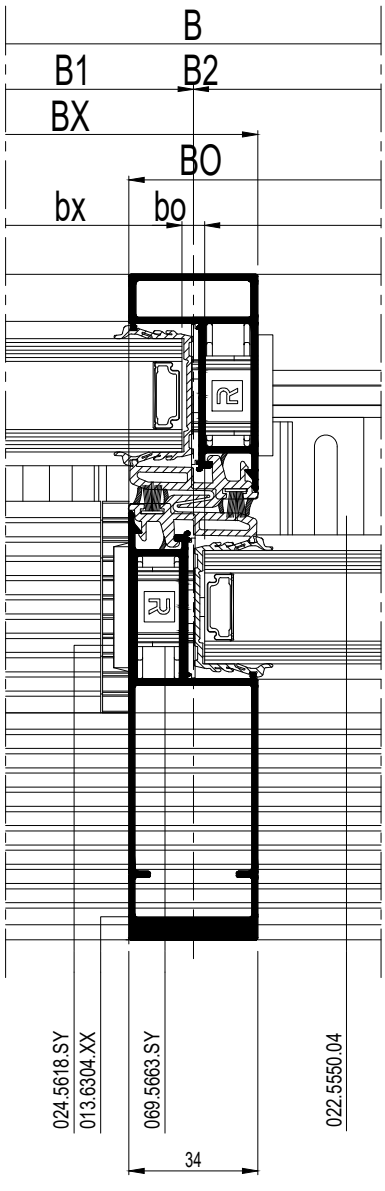
schaal - échelle
scale - Maßstab
1/2

BX = B1 - 22
BO = B2 + 33
BQ = B3 - 22
HX = H - 94
HO = H - 94
HQ = H - 94
bx = BX - 76
bo = BO - 40
bq = BQ- 76
hx = HX - 96.4
ho = HO - 96.4
hq = HQ - 96.4

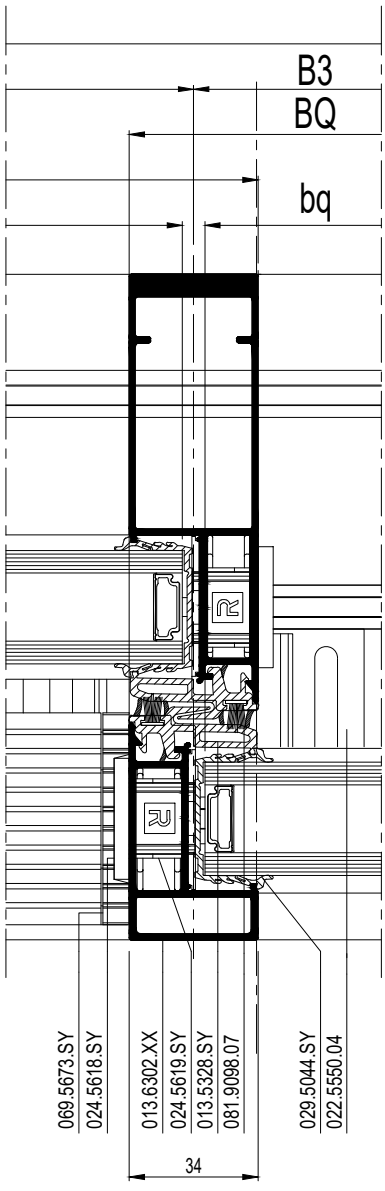
S3S 1



S3S 2

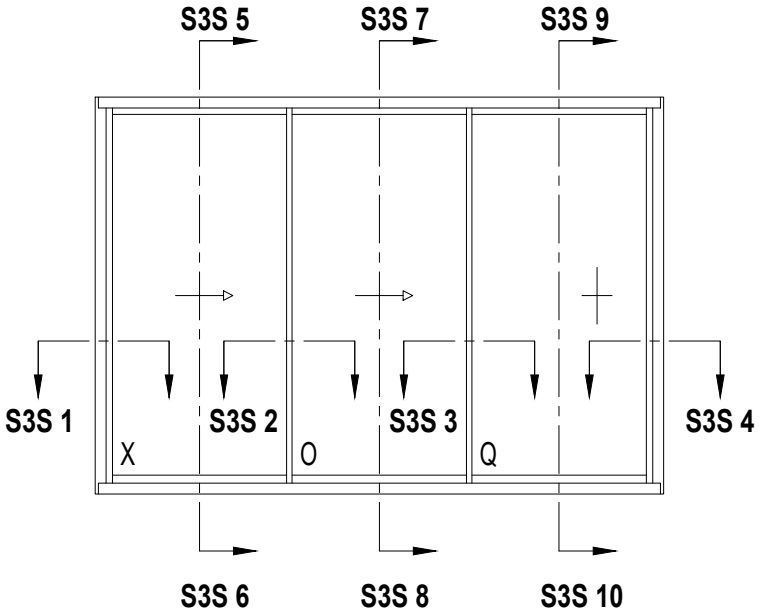


S3S 3

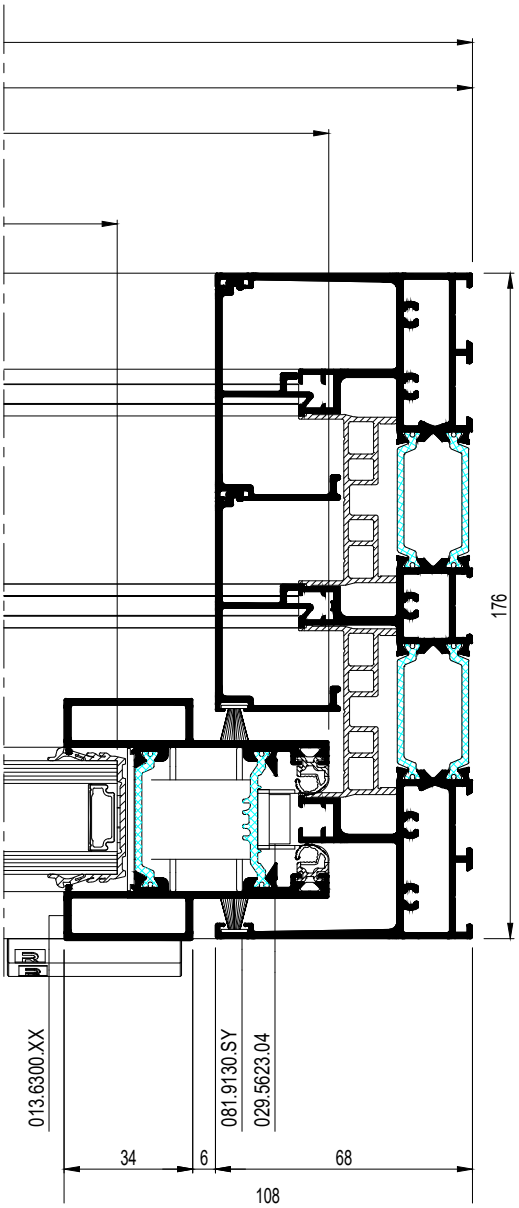


schaal - échelle
scale - Maßstab
1/2

E



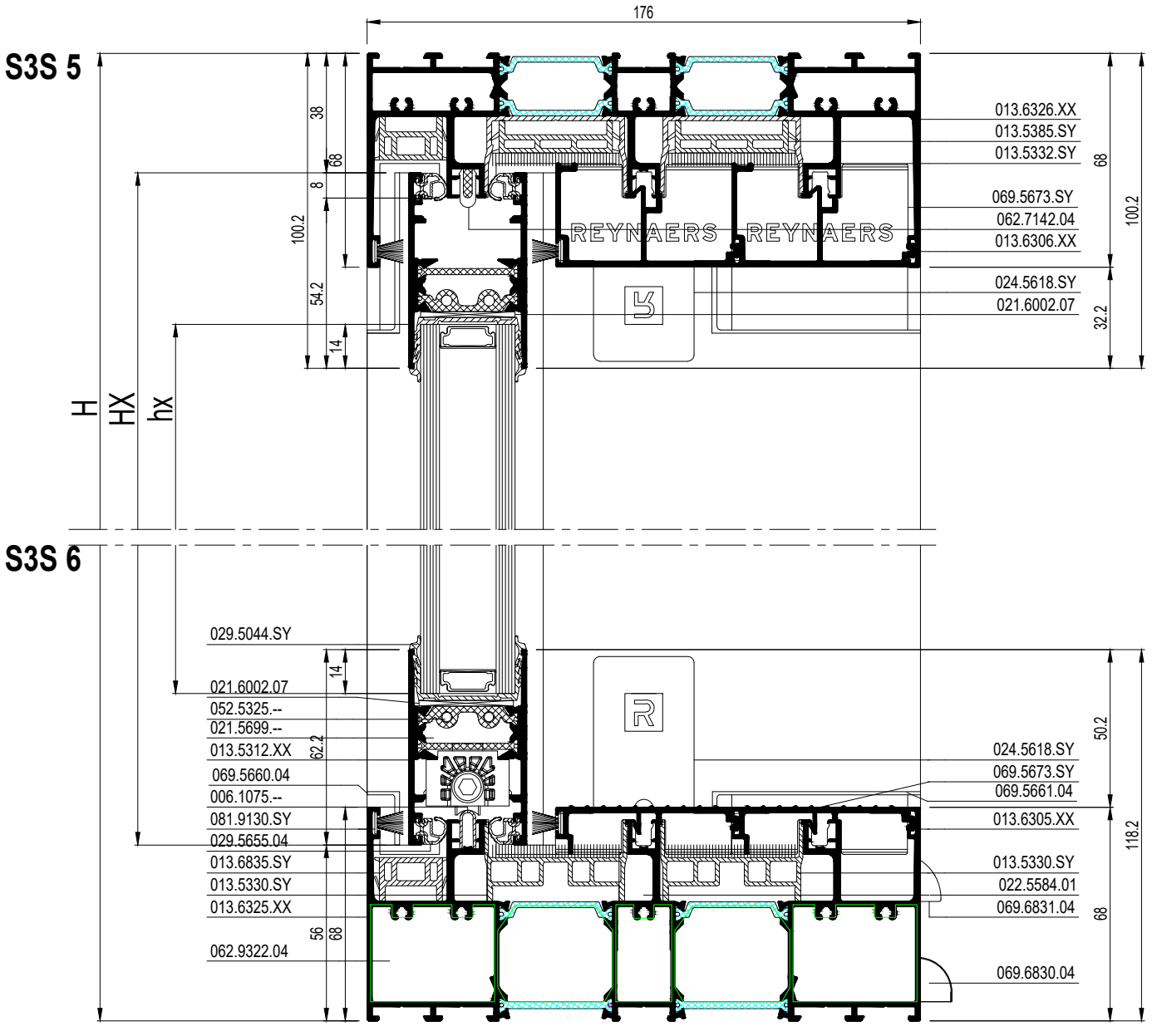
S3S 4



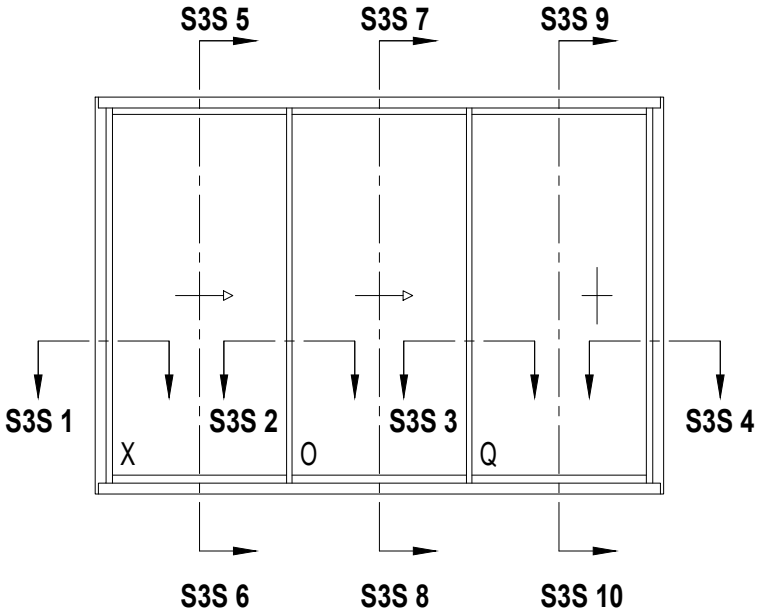
		#
052.5325.--		44
021.6002.07		12
021.5699.--**		4
021.5705.--		2
022.5418.04		1
024.5618.SY		8
069.5673.SY		2
022.5550.04		2
022.5606.04		2
024.5623.SY		4
024.5621.SY		4
024.5619.SY		2
069.5663.SY		4
062.7142.04		3
062.7147.SY		1
022.5584.01		3
069.6830.04		6
069.6831.04		min. 6
029.5044.SY		2B + 6H
029.5655.04		4B + 4H
081.9098.07		4H
081.9130.SY		4H + 4B
062.9322.04		2
080.9728.04		4
069.5660.04		10
069.5661.04		4
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
069.5672.SY		4
062.7715.XX		2
050.5055.--		2
024.5642.04		2
024.5605.04		36
065.6555.04		2
069.5653.SY		3

** See 47J.F. ...
*** See 47J.F. ...

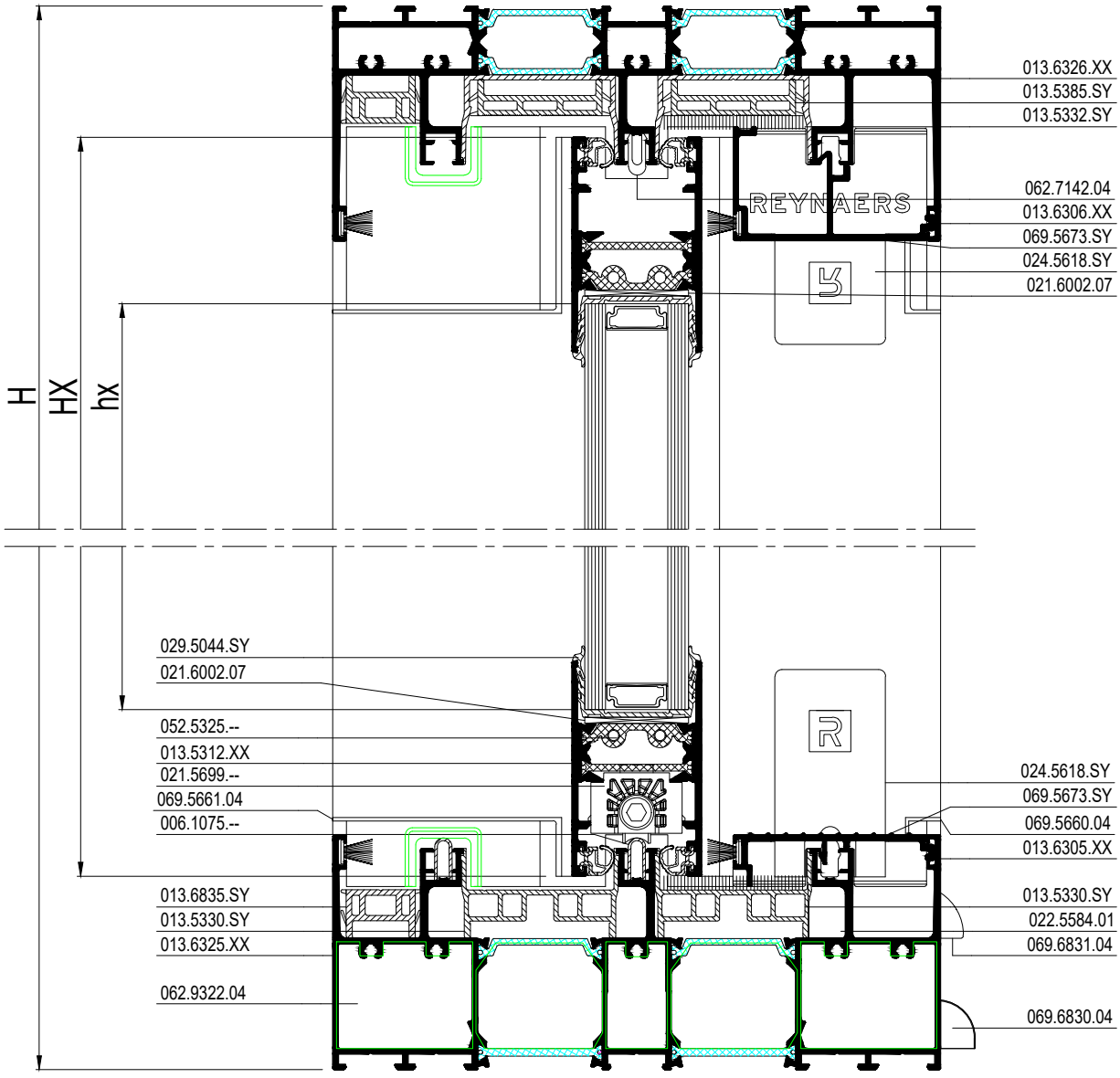
schaal - échelle
scale - Maßstab
1/2



schaal - échelle
scale - Maßstab
1/2

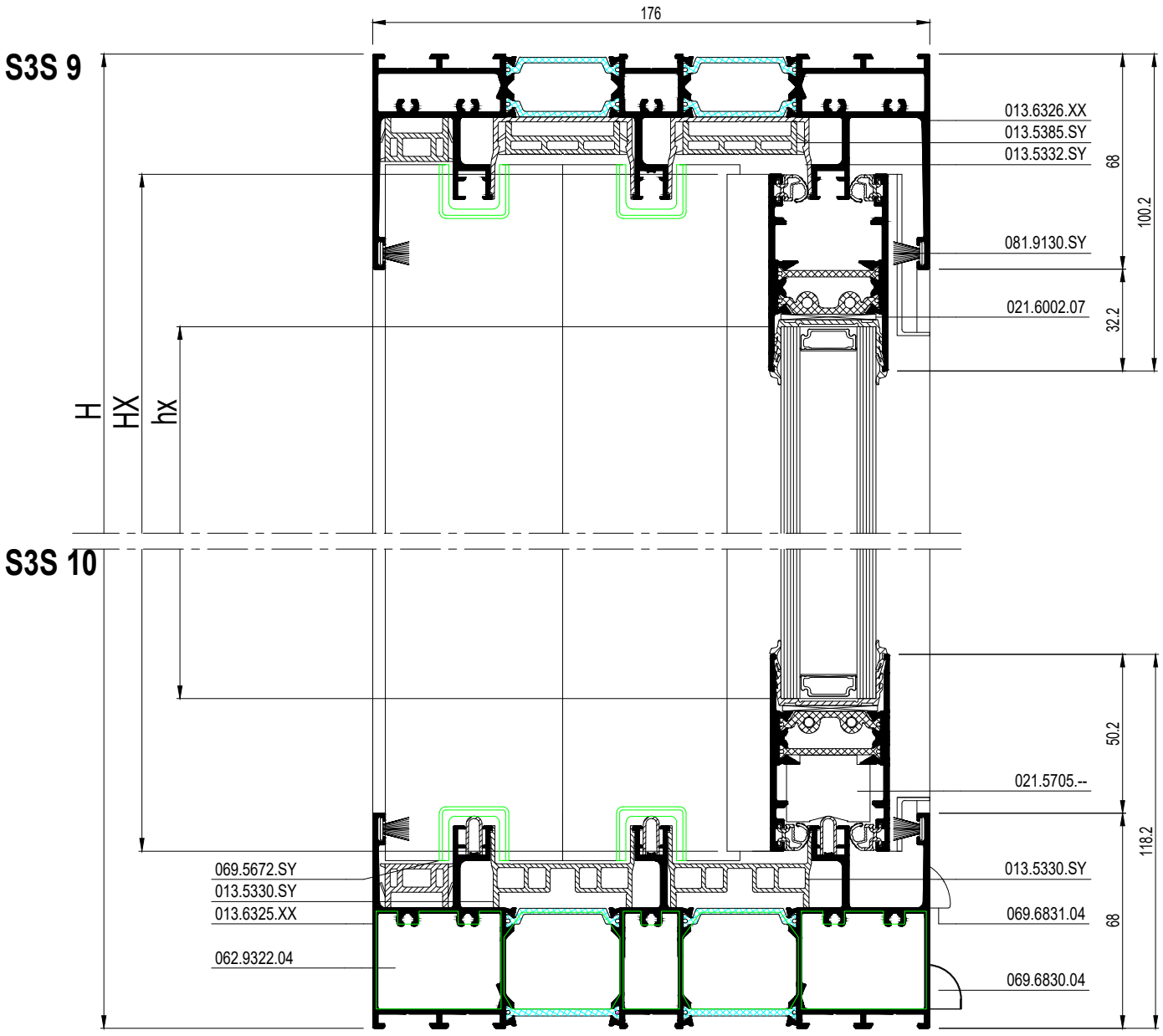


S3S 7



S3S 8

schaal - échelle
scale - Maßstab
1/2

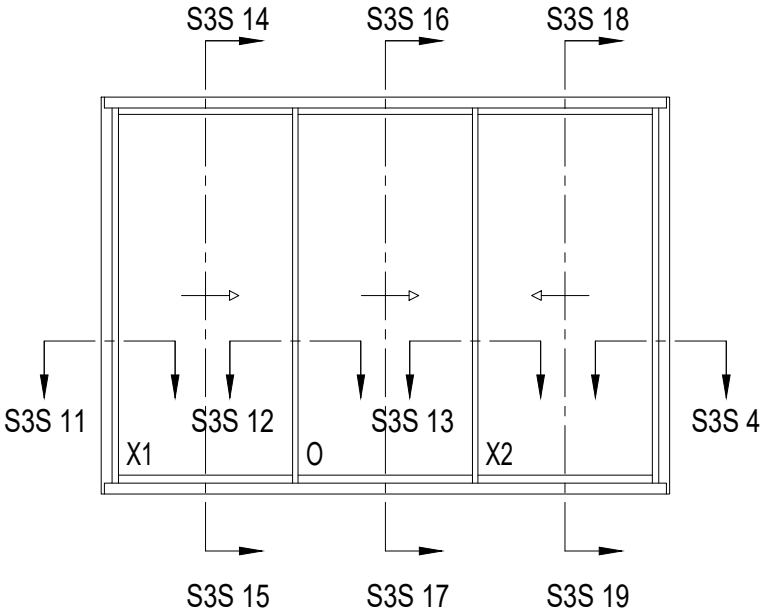


schaal - échelle
scale - Maßstab
1/2

E

SlimPatio 68

3-RAIL XOX SV
3-RAIL XOX SV
3-RAIL XOX SV
3-RAIL XOX SV



			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1-65
			1	B2+B3-65
			1	B1+B2-65
			1	B3-65
013.5385.SY			1	B1-59
			1	B2+B3-59
			1	B1+B2-59
			1	B3-59
013.6835.SY			2	H-86
			4	B-40
013.6306.XX			4	H-88
006.1075.--			3	B-92
013.6300.XX			2	H-94
013.6304.XX			2	H-94*
013.6302.XX			2	H-94*
013.5328.SY			4	H-94*
013.5312.XX			2	B1-93
			2	B2-2
			2	B3-93

* Assembly before sawing

E

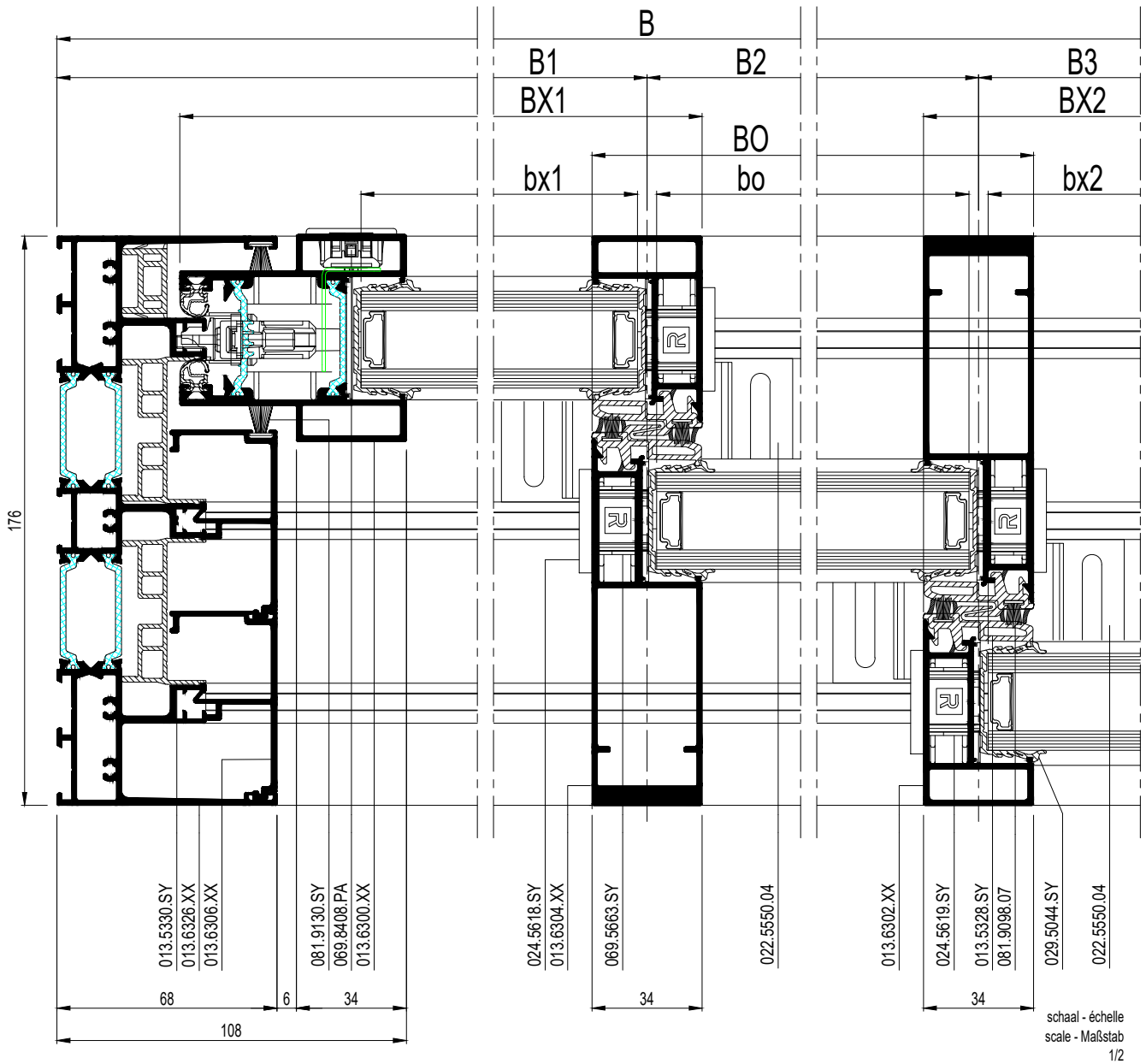
schaal - échelle
scale - Maßstab
1/2

BX1 = B1 - 22
BO = B2 + 33
BX2 = B3 - 22
HX1 = H - 94
HO = H - 94
HX2 = H - 94
bx1 = BX1 - 76
bo = BO - 40
bx2 = BX2 - 76
hx1 = HX1 - 96.4
ho = HO - 96.4
hx2 = HX2 - 96.4

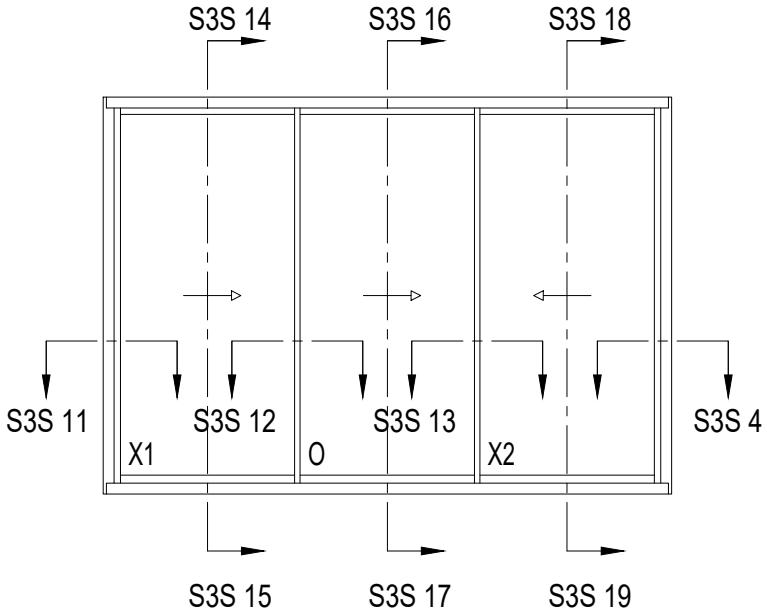
S3S 11

S3S 12

S3S 13



E

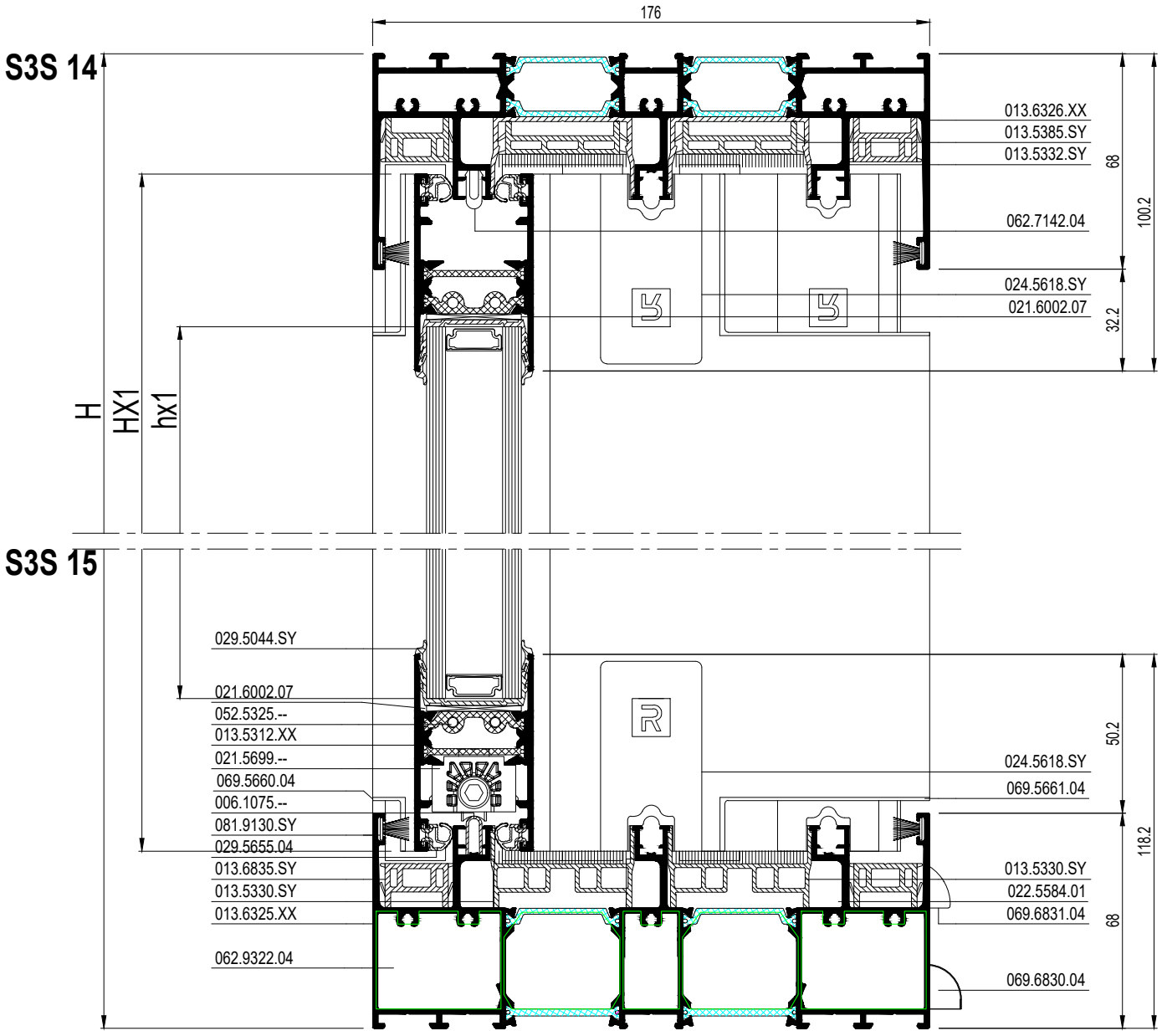


		#
052.5325.--		44
021.6002.07		12
021.5699.--**		6
024.5618.SY		8
022.5550.04		2
022.5606.04		2
024.5623.SY		4
024.5621.SY		4
024.5619.SY		2
069.5663.SY		4
062.7142.04		4
062.7147.SY		2
022.5584.01		3
069.6830.04		6
069.6831.04		min. 6
029.5044.SY		2B + 6H
029.5655.04		4B + 4H
081.9098.07		4H
081.9130.SY		4H + 4B
062.9322.04		2
080.9728.04		4
069.5660.04		8
069.5661.04		4
069.8405.ZC***		2
022.5378.--***		2
069.8447.--		2
069.8408.PA		2
069.5672.SY		8
062.7715.XX		3
050.5055.--		3
024.5605.04		36
065.6555.04		2
069.5653.SY		3

** See 47J.F. ...
*** See 47J.F. ...

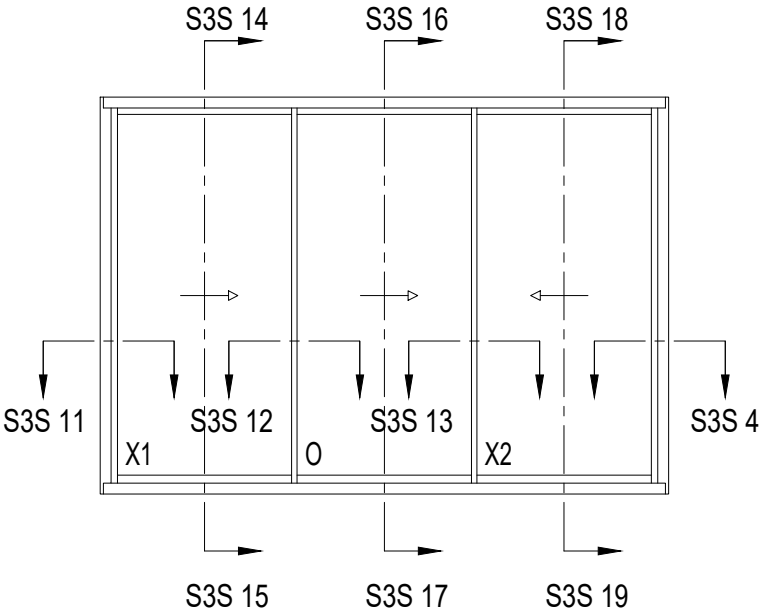
E

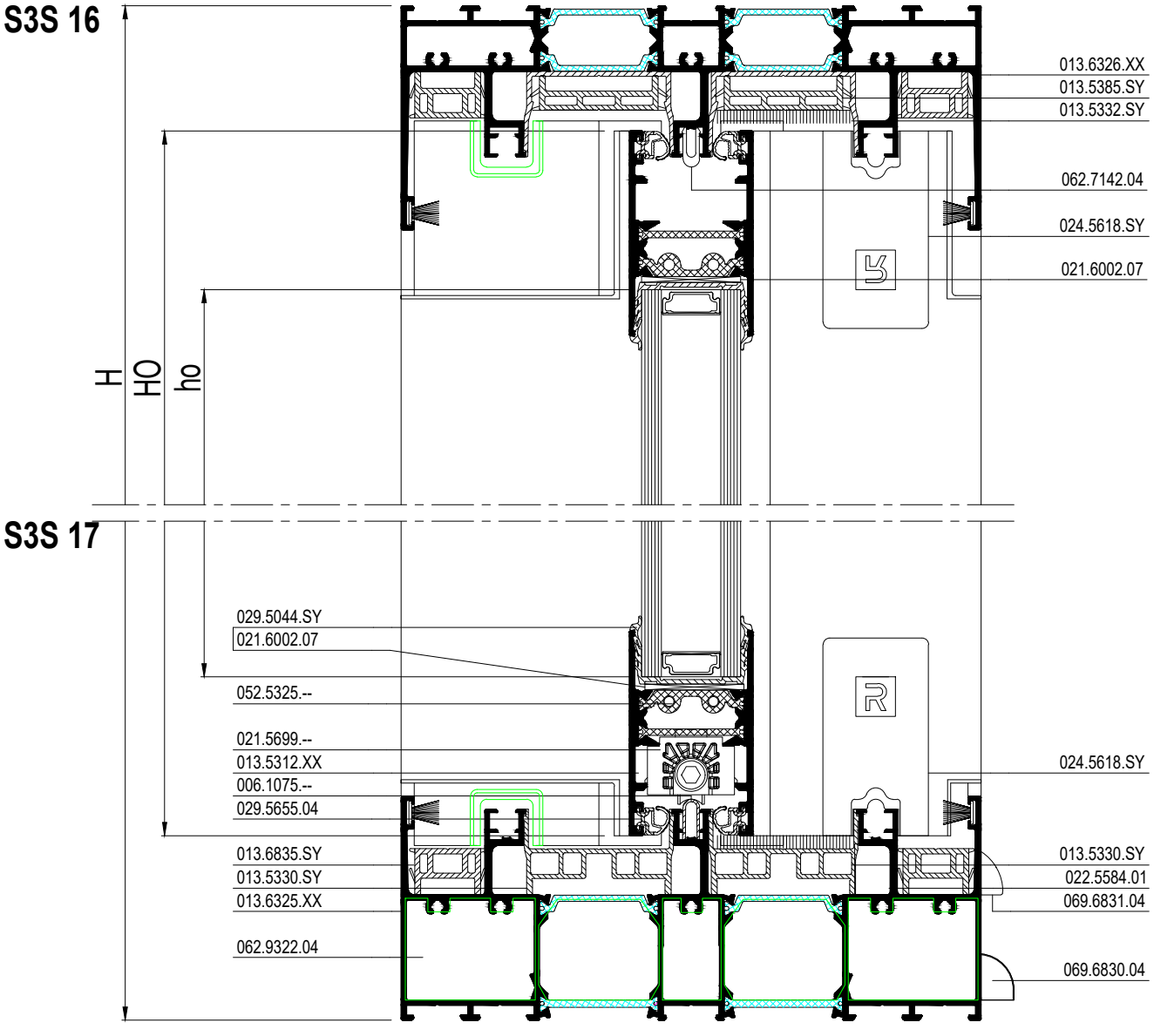
schaal - échelle
scale - Maßstab
1/2



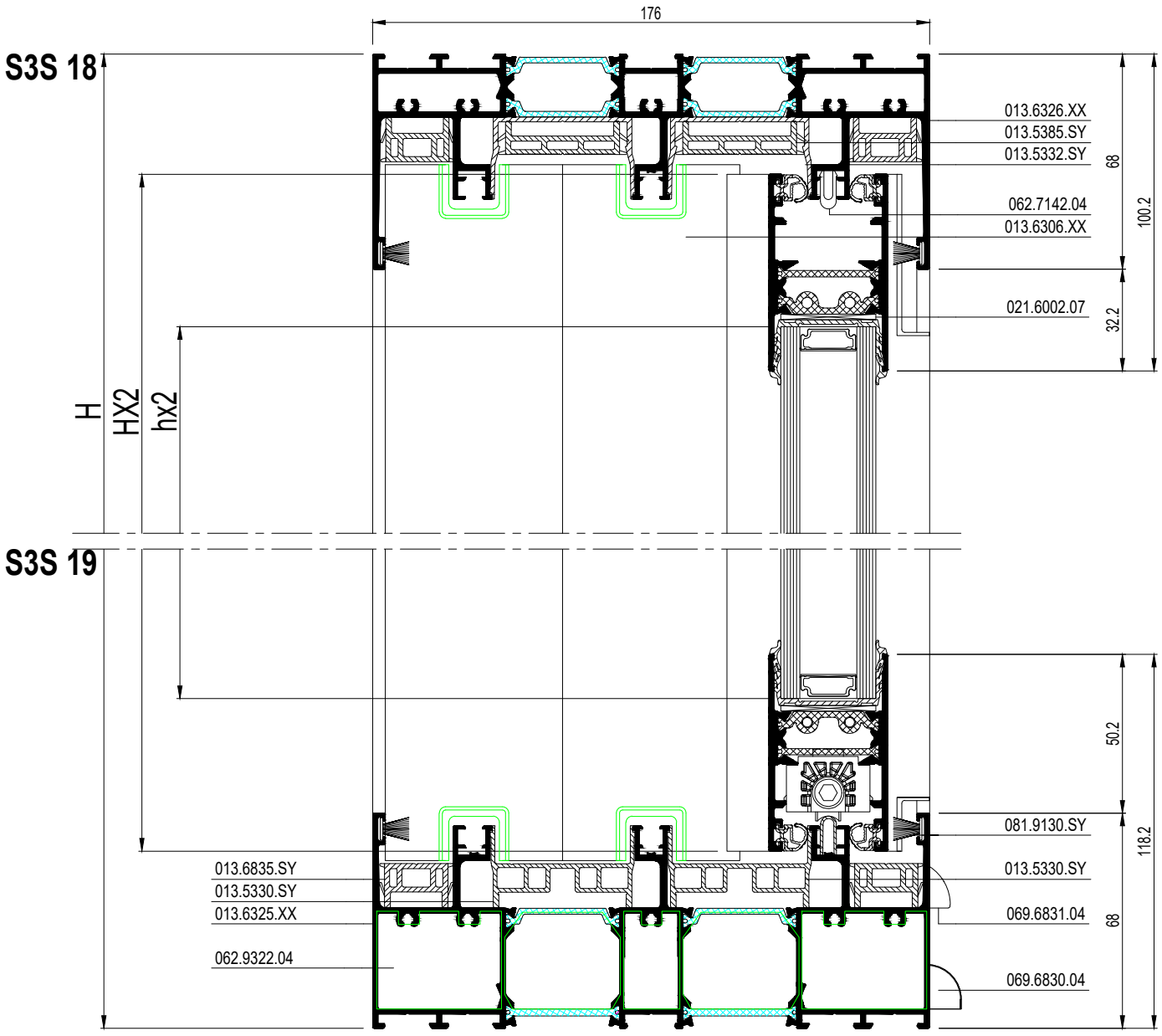
schaal - échelle
scale - Maßstab
1/2

E

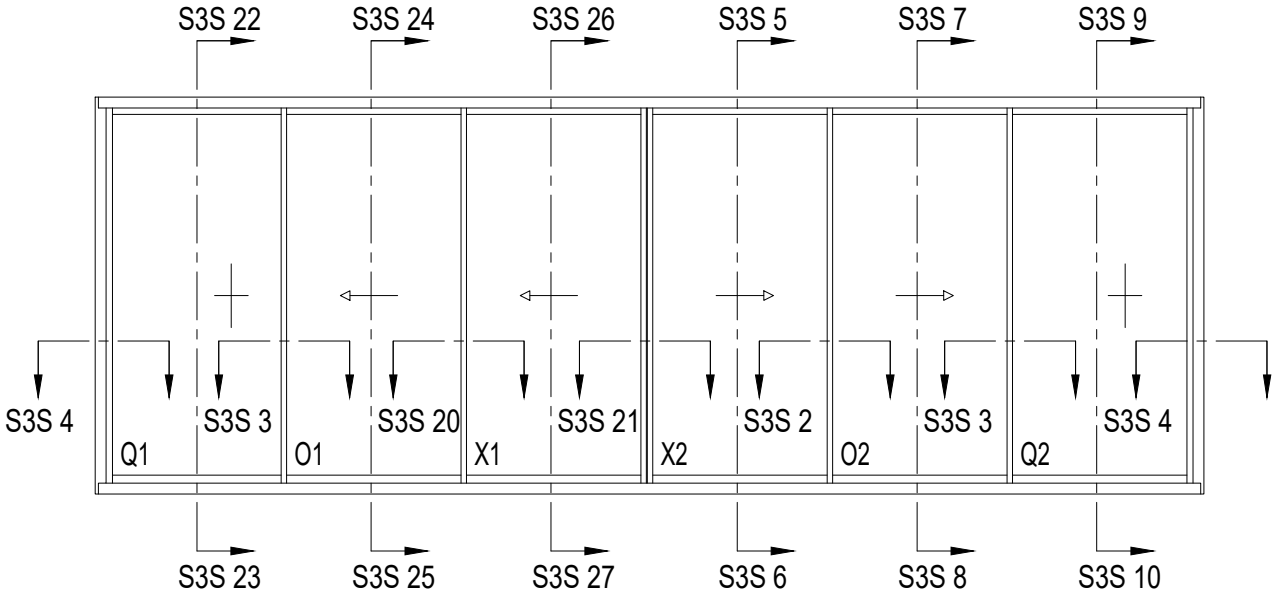




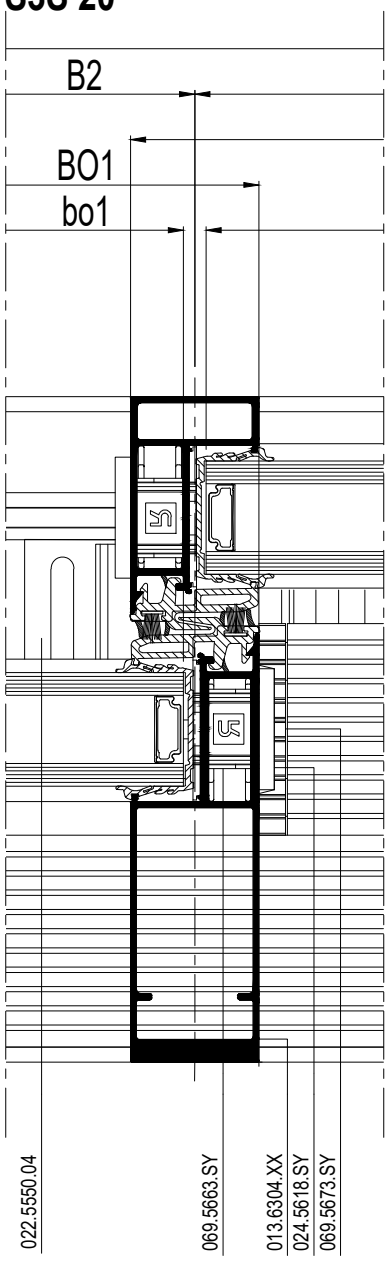
schaal - échelle
scale - Maßstab
1/2



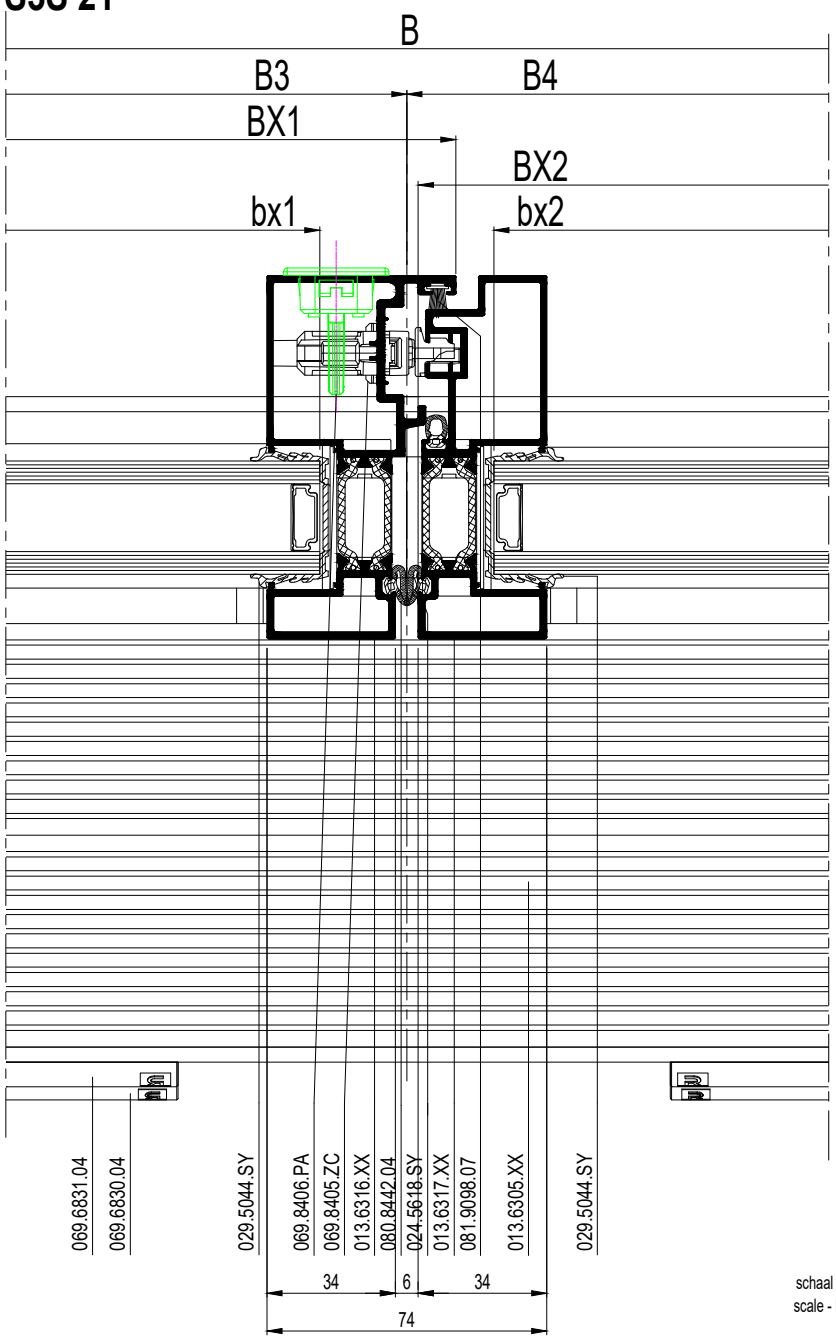
schaal - échelle
scale - Maßstab
1/2



S3S 20



S3S 21



schaal - échelle
scale - Maßstab
1/2

E

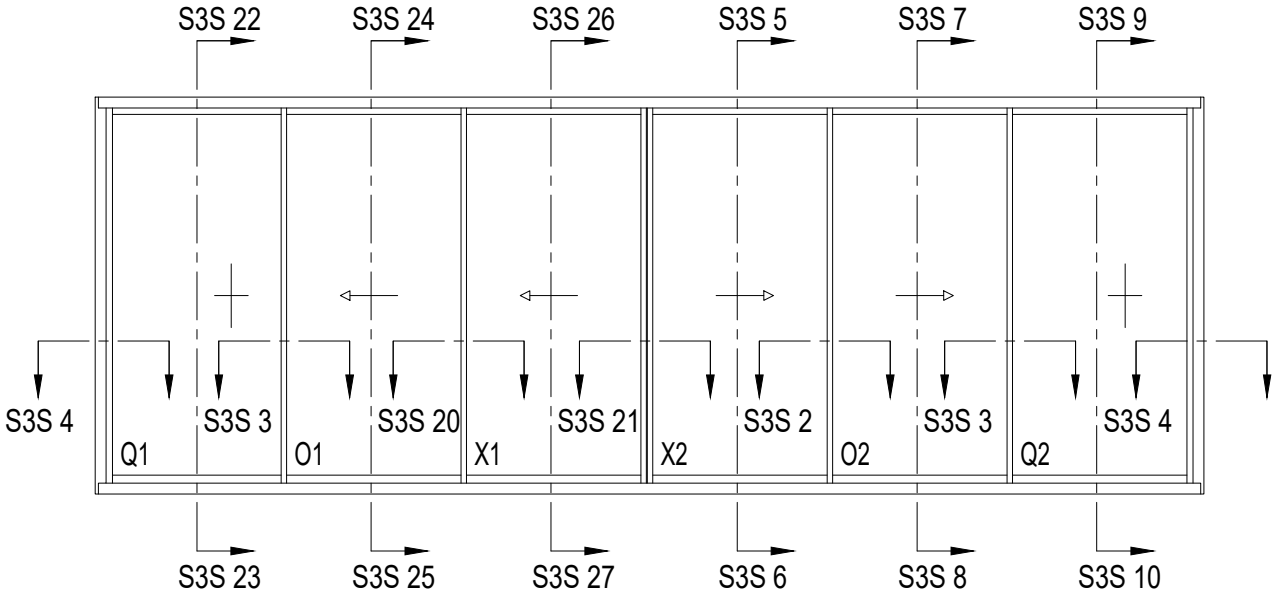
			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1+B2-65
			1	B5+B6-65
			1	B1-65
			1	B6-65
			1	B3-90
			1	B4-90
			1	B-B1-B6-90
013.5385.SY			1	B1+B2-59
			1	B5+B6-59
			1	B1-59
			1	B6-59
			1	B3-50
			1	B4-50
			1	B-B1-B6-50
013.6835.SY			2	B-40
013.6305.XX			1	B3+B4-49
			1	B-B1-B6-49
013.6306.XX			4	H-88
			1	B3+B4-49
			1	B-B1-B6-49
006.1075.--			1	B-92
			1	B1-25
			1	B1+B2-25
			1	B5+B6-25
			1	B6-25

			#	Lm
013.6300.XX			2	H-94
013.6304.XX			4	H-94*
013.6302.XX			4	H-94*
013.5328.SY			8	H-94*
013.5312.XX			2	B1-93
			2	B2-2
			2	B3-22
			2	B4-22
			2	B5-2
			2	B6-93
013.6316.XX			1	H-94
013.6317.XX			1	H-94

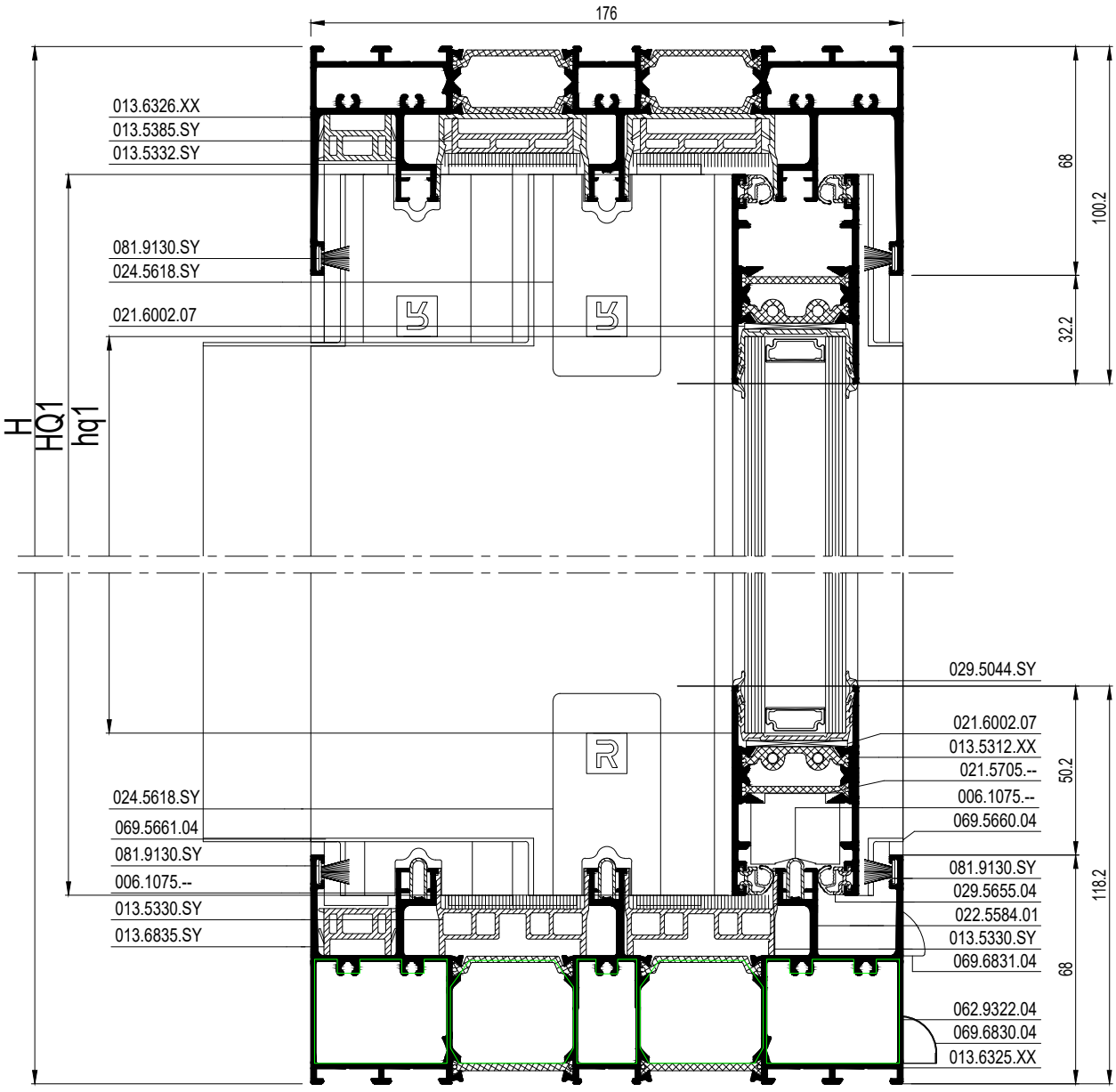
* Assembly before sawing

E

schaal - échelle
scale - Maßstab
1/2



S3S 22



S3S 23

schaal - échelle
scale - Maßstab
1/2

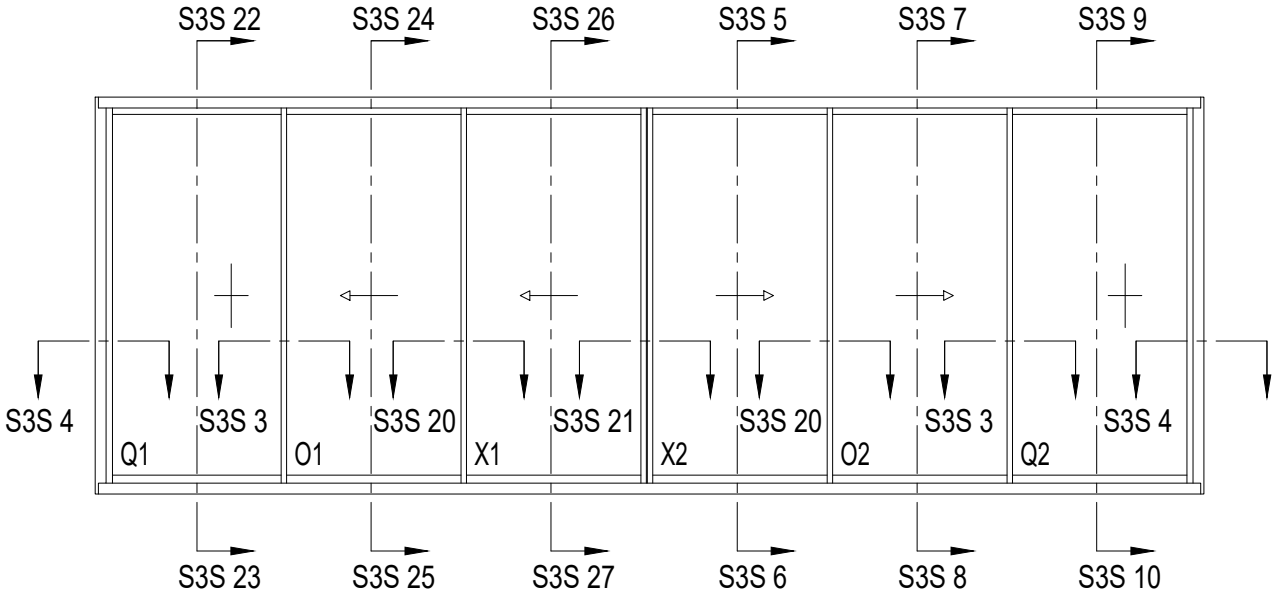
		#
052.5325.--		68
021.6002.07		24
021.5699.--**		8
024.5618.SY		20
069.5673.SY		4
022.5550.04		5
022.5606.04		5
024.5623.SY		4
024.5621.SY		4
024.5619.SY		4
069.5663.SY		12
062.7142.04		7
022.5584.01		8
069.6830.04		12
069.6831.04		min. 12
029.5044.SY		2B + 12H
029.5655.04		4B + 4H
081.9098.07		9H
081.9130.SY		4B + 4H
062.9322.04		2
080.9728.04		4
069.5660.SY		16
069.5661.SY		8
069.5665.SY		1
069.8405.ZC***		1
022.5378.--***		1
069.8406.PA		1
080.8442.04		3H
062.7715.XX		4
050.5055.--		4
024.5605.04		72
069.5672.SY		8
065.6555.04		2
069.5653.SY		3
021.5705.--		4
022.5418.04		2
024.5642.04		4

BQ1 = B1-22	HQ1 = H-94
BO1 = B2+33	HO1 = H-94
BX1 = B3+29	HX1 = H-94
BX2 = B4+13	HX2 = H-94
BO2 = B5+33	HO2 = H-94
BQ2 = B6-22	HQ2 = H-94
bq1 = BQ1-76	hq1 = HQ1-96.4
bo1= BO1-40	ho1 = HO1-96.4
bx1= BX1-56	hx1 = HX1-96.4
bx2 = BX2-40	hx2 = HX2-96.4
bo2= BO2-40	ho2 = HO2-96.4
bq2 = BQ2-76	hq2 = HQ2-96.4

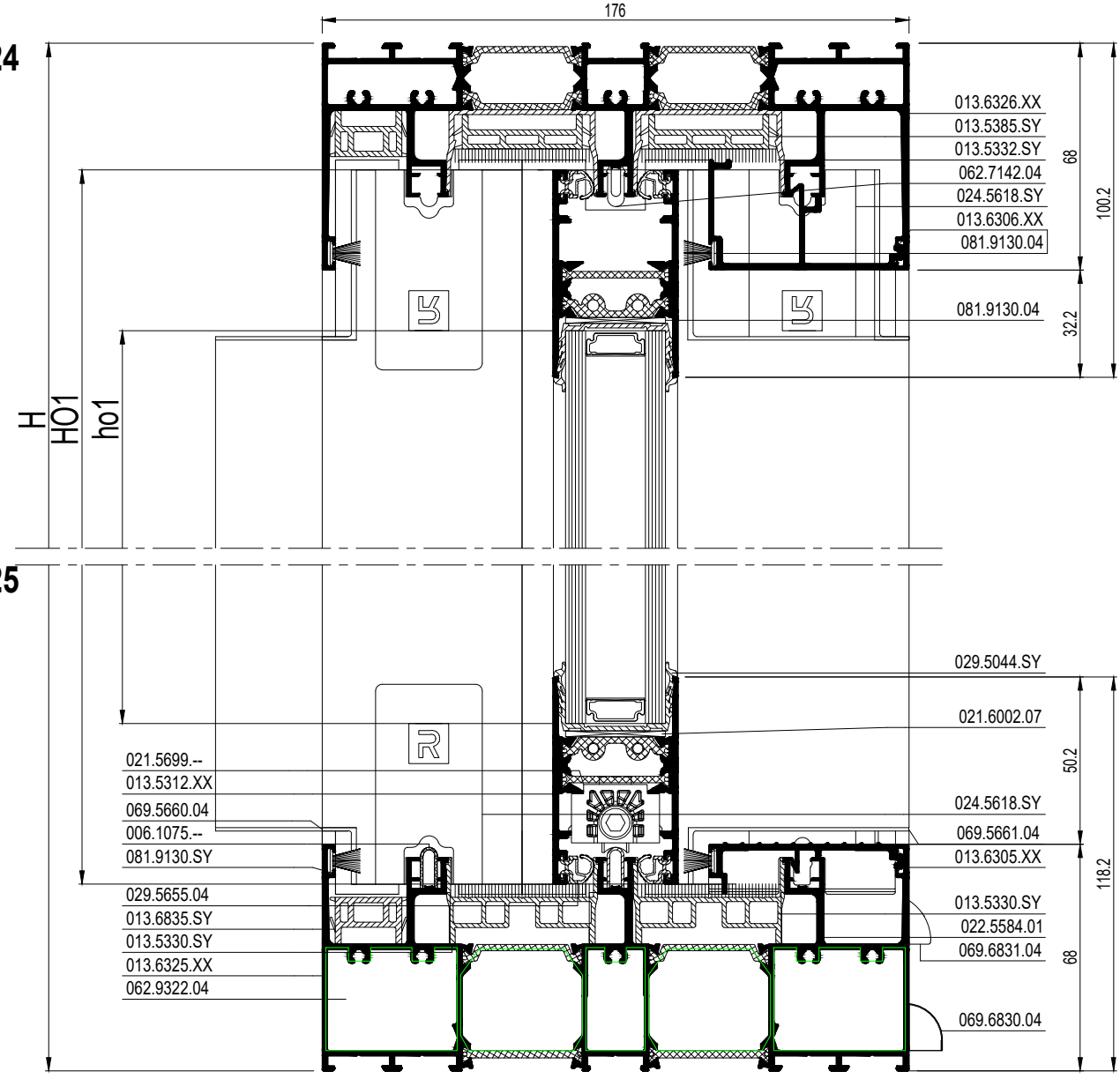
** See 47J.F. ...
*** See 47J.F. ...

E

schaal - échelle
scale - Maßstab
1/2



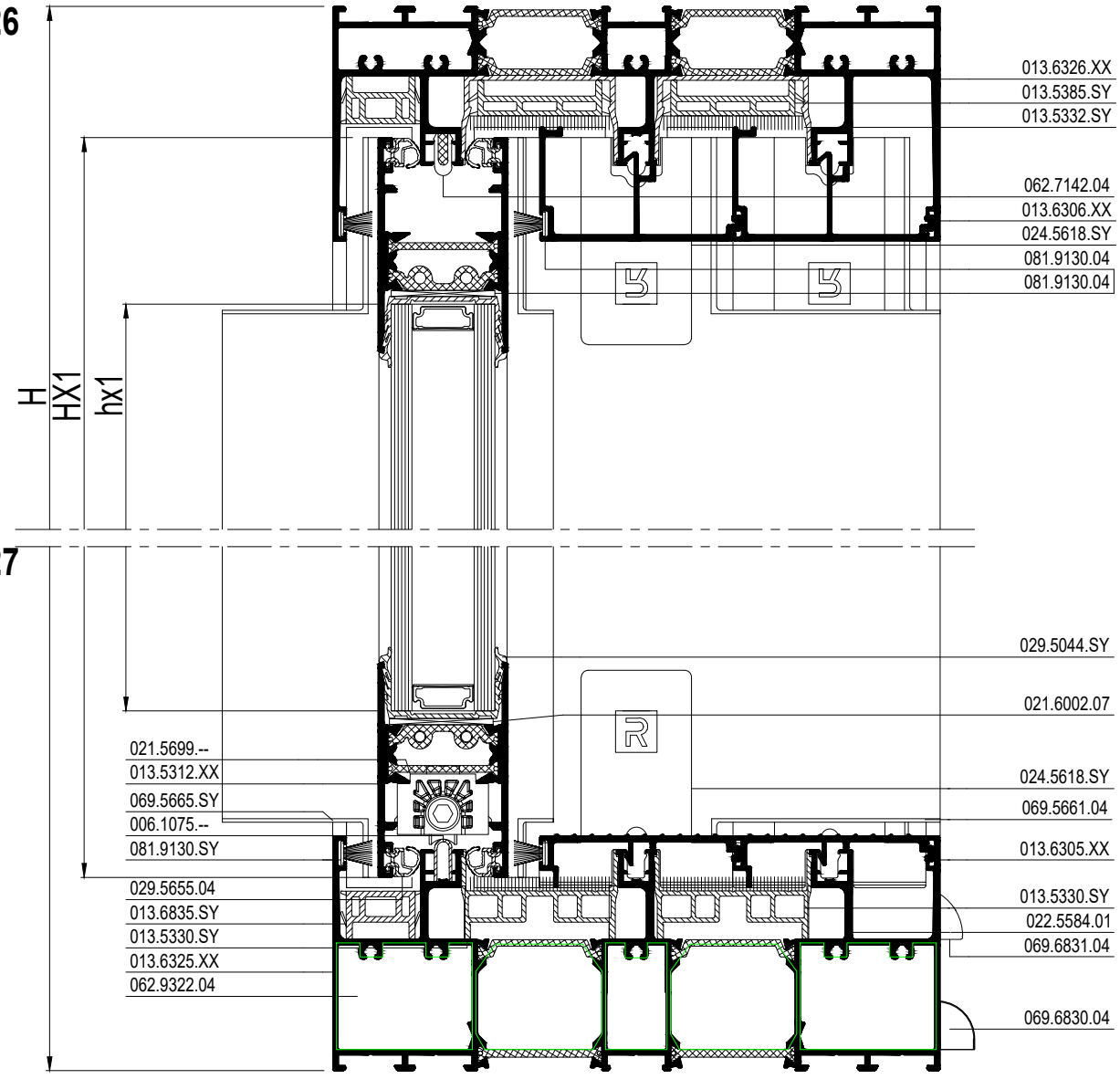
S3S 24



S3S 25

schaal - échelle
scale - Maßstab
1/2

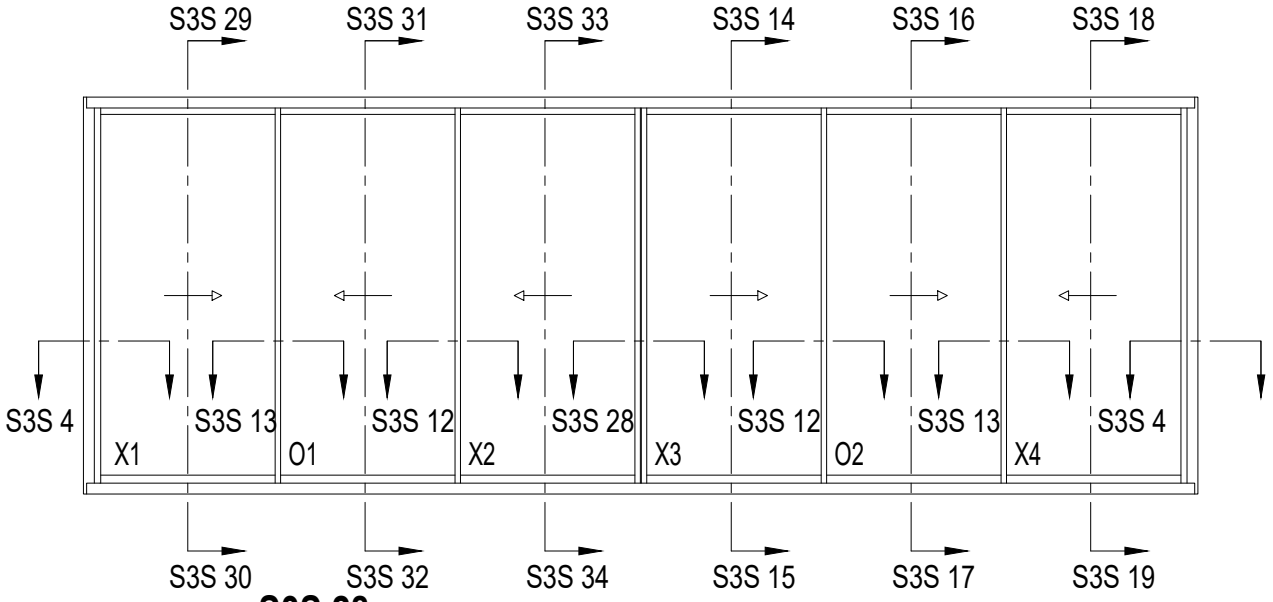
S3S 26



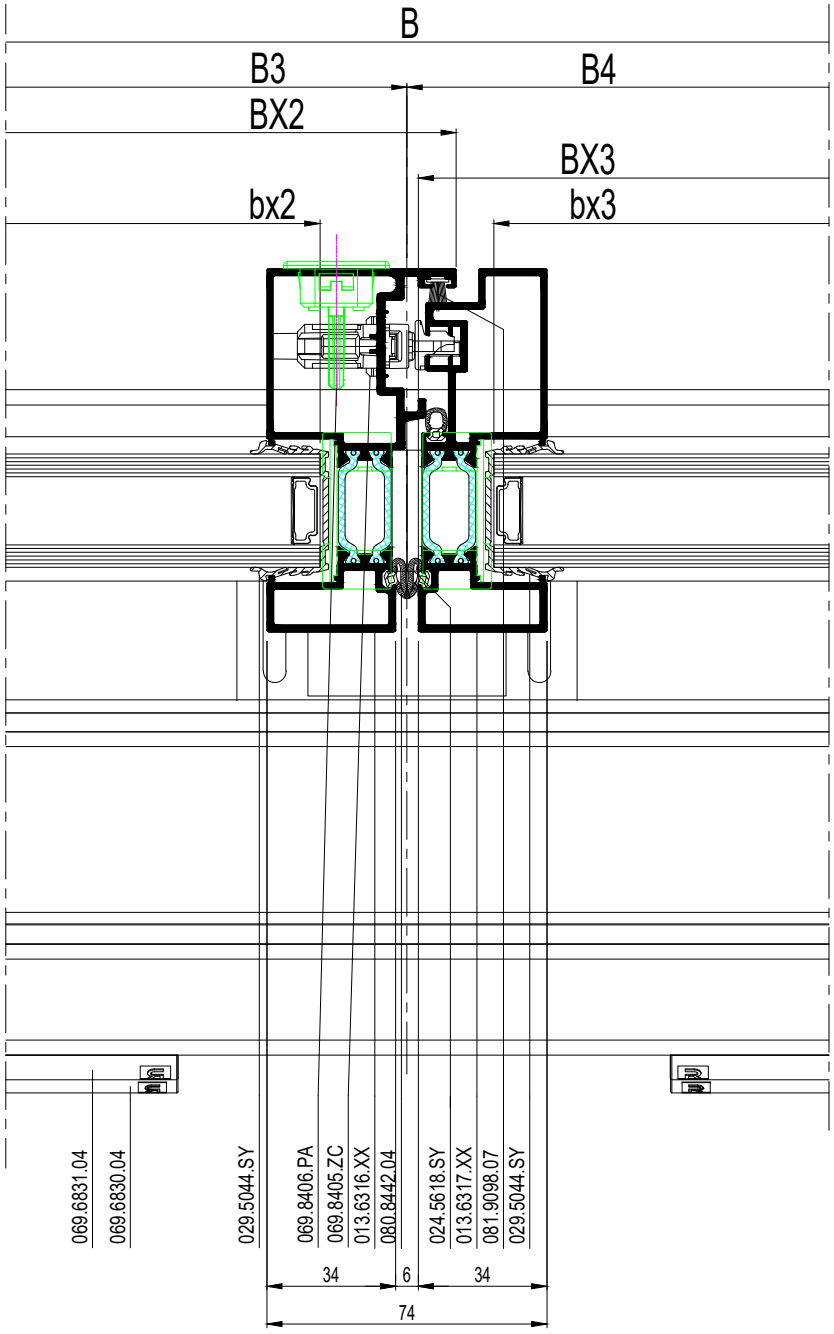
S3S 27

schaal - échelle
scale - Maßstab
1/2

E



S3S 28



schaal - échelle
scale - Maßstab
1/2

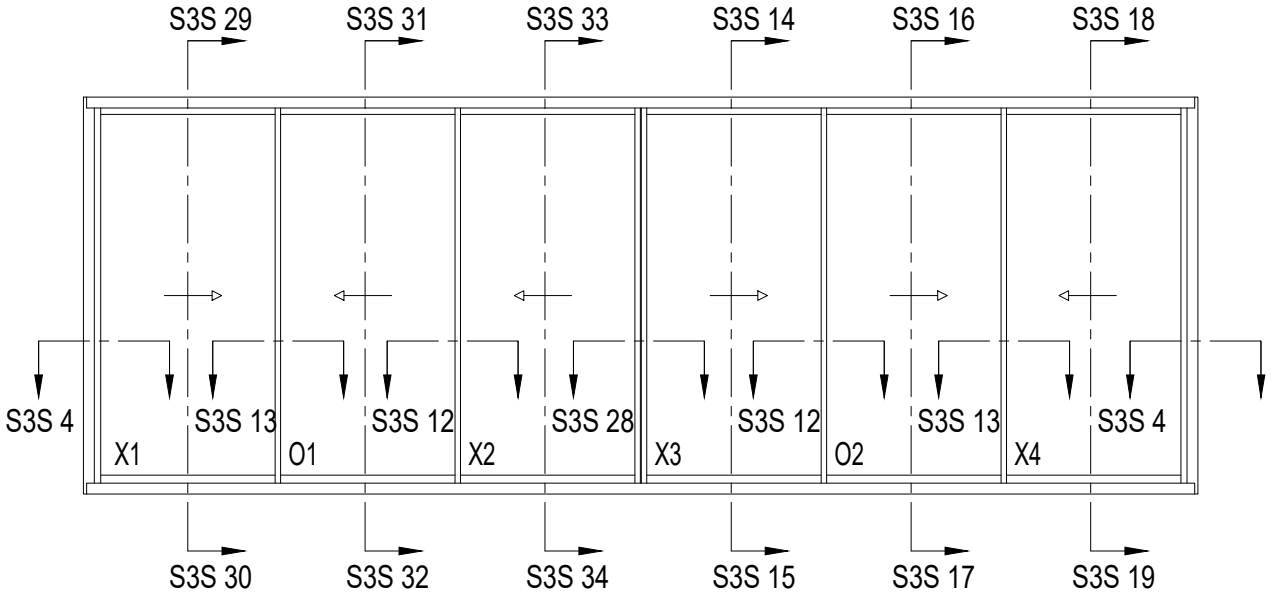
E

			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1+B2-65
			1	B5+B6-65
			1	B1-65
			1	B6-65
			1	B3-90
			1	B4-90
			1	B-B1-B6-90
013.5385.SY			1	B1+B2-59
			1	B5+B6-59
			1	B1-59
			1	B6-59
			1	B3-50
			1	B4-50
			1	B-B1-B6-50
013.6835.SY			4	B-40
			2	H-86
013.6306.XX			4	H-88
006.1075.--			3	B-92
013.6300.XX			2	H-94
013.6304.XX			4	H-94*
013.6302.XX			4	H-94*
013.5328.SY			8	H-94*
013.5312.XX			2	B1-93
			2	B2-2
			2	B3-22
			2	B4-22
			2	B5-2
			2	B6-93
013.6316.XX			1	H-94
013.6317.XX			1	H-94

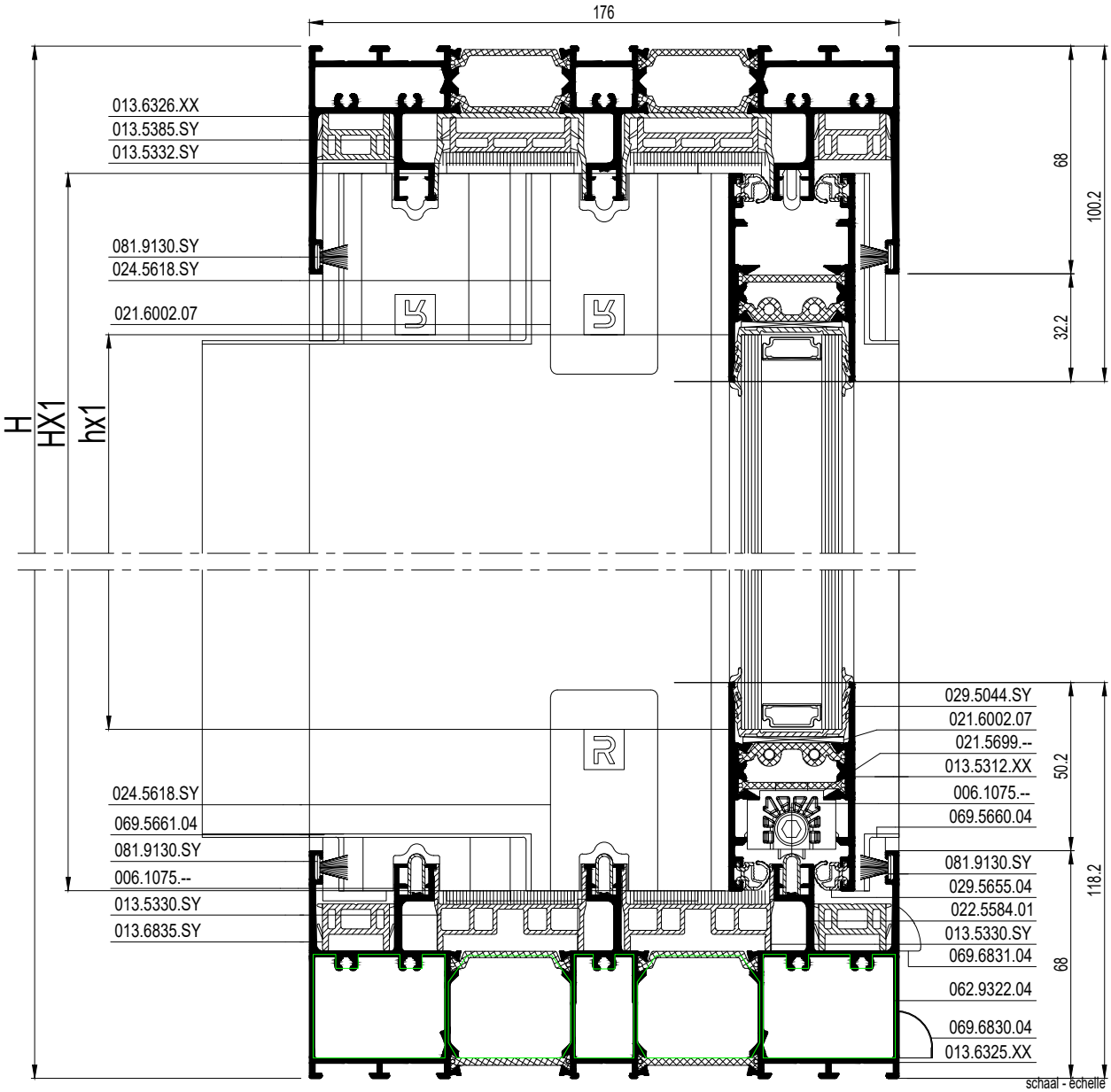
* Assembly before sawing

E

schaal - échelle
scale - Maßstab
1/2



S3S 29



S3S 30

schaal - échelle
scale - Maßstab
1/2

E

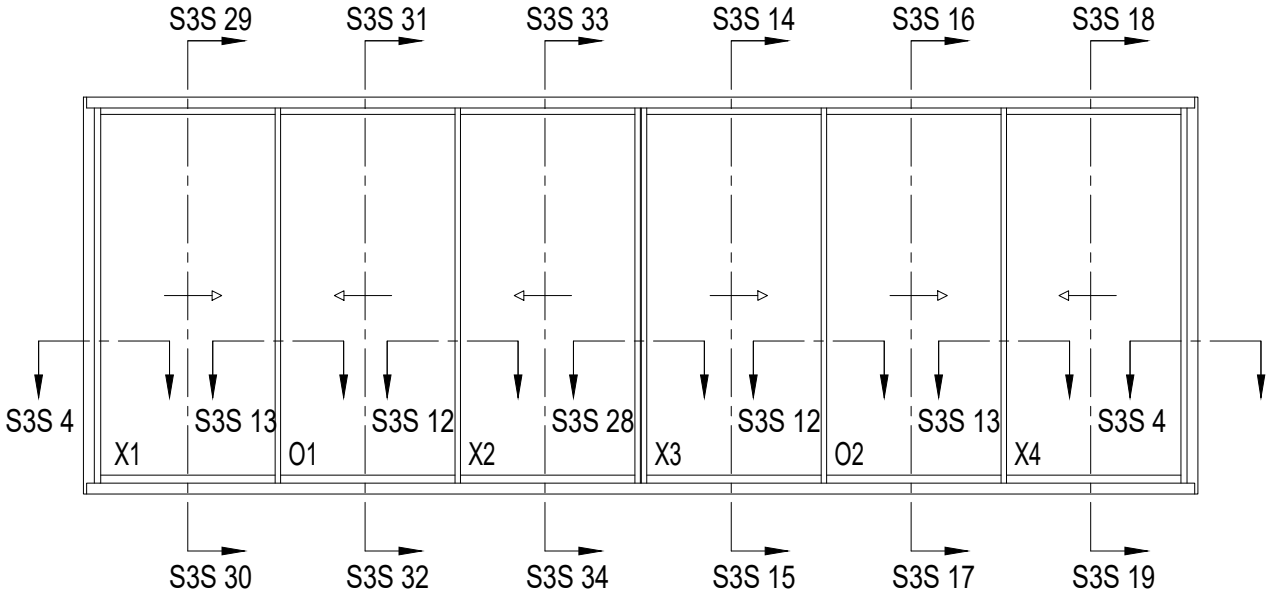
		#
052.5325.--		68
021.6002.07		24
021.5699.--**		12
024.5618.SY		20
022.5550.04		5
022.5606.04		5
024.5623.SY		4
024.5621.SY		4
024.5619.SY		4
069.5663.SY		12
062.7142.04		9
022.5584.01		8
069.6830.04		12
069.6831.04		min. 12
029.5044.SY		2B + 12H
029.5655.04		4B + 4H
081.9098.07		9H
081.9130.SY		4B + 4H
062.9322.04		2
080.9728.04		4
069.5660.SY		12
069.5661.SY		8
069.5665.04		1
069.8405.ZC***		3
022.5378.--***		3
069.8406.PA		1
069.8408.PA		2
080.8442.04		3H
062.7715.XX		6
050.5055.--		6
024.5605.04		72
069.5672.SY		8
065.6555.04		2
069.5653.SY		3
024.5642.04		4
069.8447.--		2
062.7147.SY		2

** See 47J.F. ...
*** See 47J.F. ...

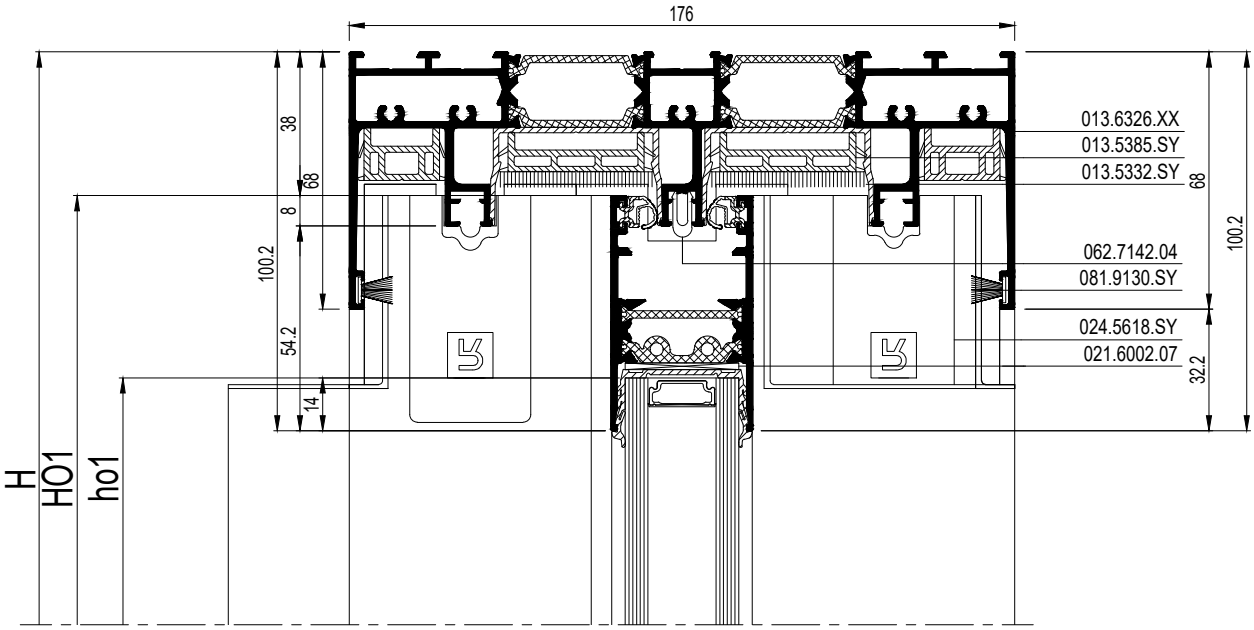
BQ1 = B1-22	HQ1 = H-94
BX1 = B2+33	HX1 = H-94
BX2 = B3+29	HX2 = H-94
BX3 = B4+13	HX3 = H-94
BX4 = B5+33	HX4 = H-94
BQ2 = B6-22	HQ2 = H-94
bq1 = BQ1-76	hq1 = HQ1-96.4
bx1= BX1-40	hx1 = HX1-96.4
bx2= BX2-56	hx2 = HX2-96.4
bx3 = BX3-40	hx3 = HX3-96.4
bx4= BX4-40	hx4 = HX4-96.4
bq2 = BQ2-76	hq2 = HQ2-96.4

E

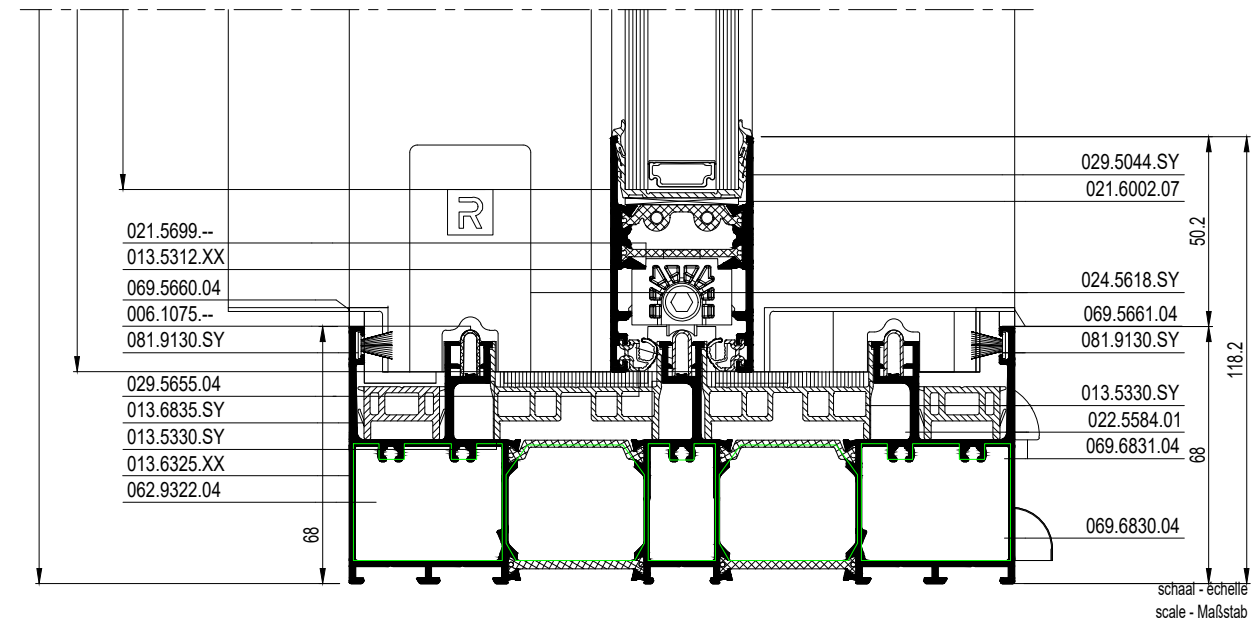
schaal - échelle
scale - Maßstab
1/2



S3S 31



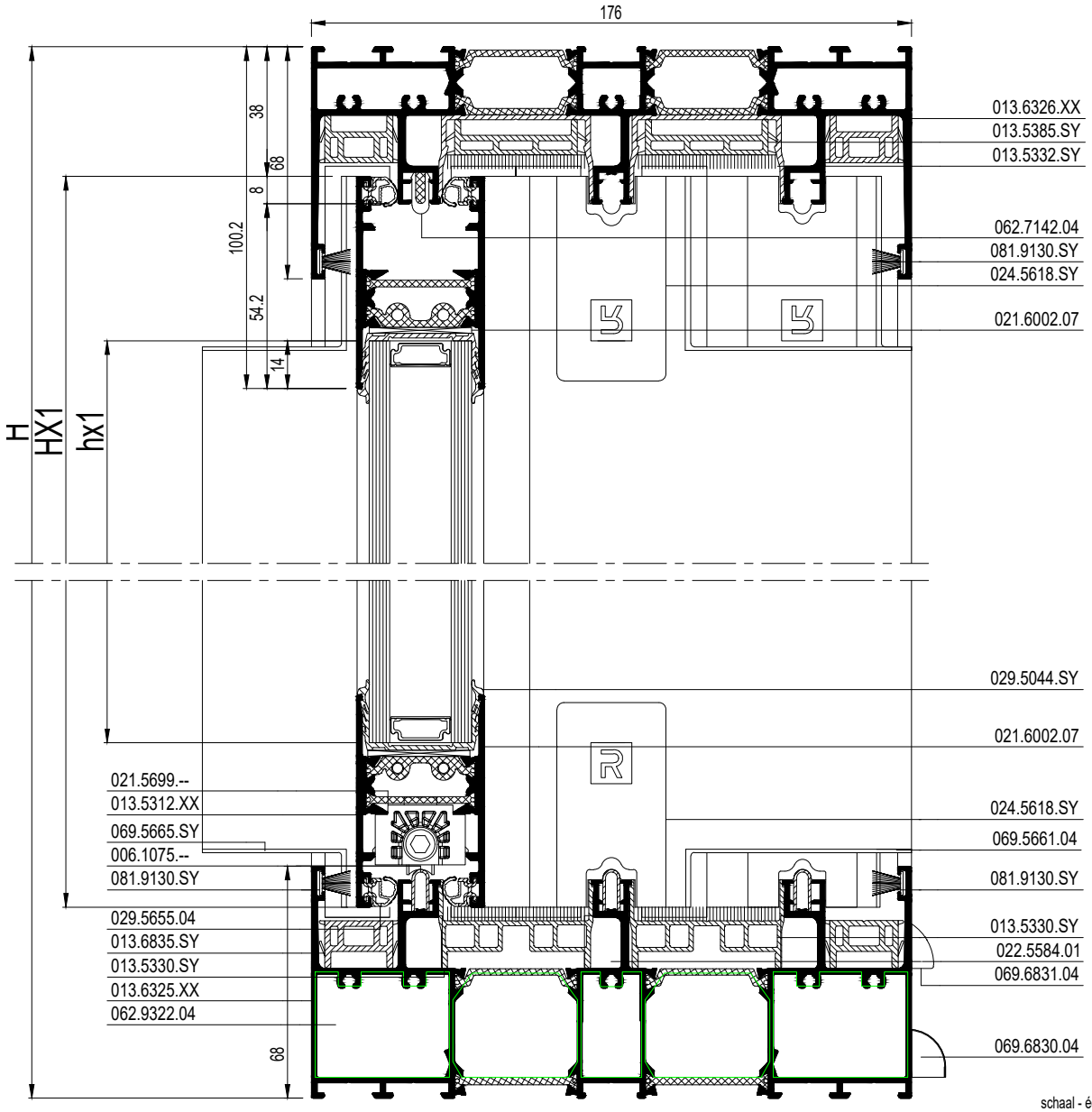
S3S 32



schaal - échelle
scale - Maßstab
1/2

E

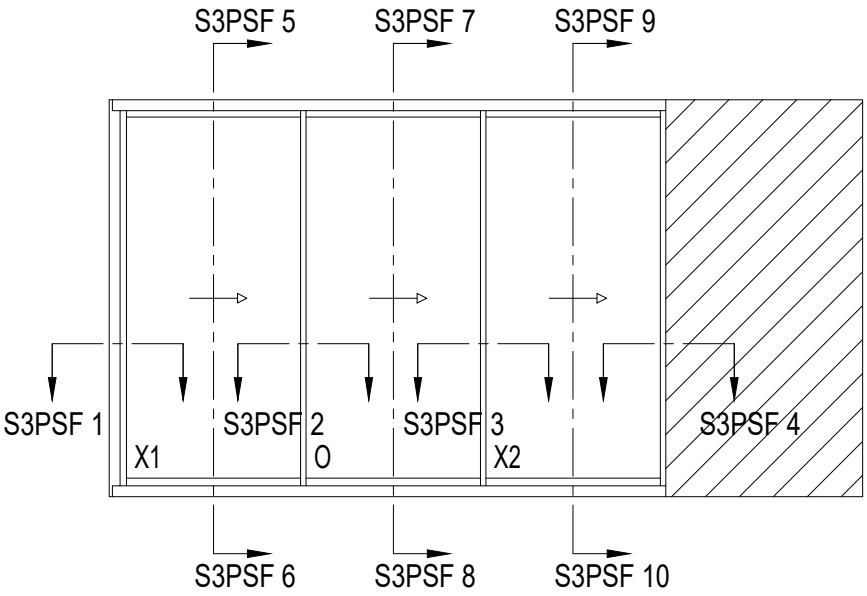
S3S 33



S3S 34

schaal - échelle
scale - Maßstab
1/2

E



			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1-65
			1	B1+B2-65
			1	B2+B3-90
			1	B3-90
			2	B-B1-B2-B3-65
013.5385.SY			1	B1-59
			1	B2-B3-50
			2	B-B1-B2-B3-59
			1	B1+B2-59
			1	B3-50
013.6835.SY			1	H-86
			2	B1+B2+B3-54
			2	B3-17
013.6305.XX			1	B1-92.5
			1	B1+B2-92.5
013.6306.XX			4	H-88
			1	B1-92.5
			1	B1+B2-92.5
006.1075.--			1	B-92
			1	B-B1-25
			1	B-B1-B2-25
013.6312.XX			1	H-94
013.6304.XX			2	H-94*

013.6336.XX			1	H-94*
013.6302.XX			1	H-94*
013.5306.XX			2	H-94*
013.5328.SY			4	H-94*
			1	H-160
013.5312.XX			2	B1-92
			2	B2-1
			2	B3-18
013.6331.XX			1	H-136
013.6332.XX			1	H-136
013.6333.XX			1	H-136
013.6328.XX			1	H-136

* Assembly before sawing

schaal - échelle
scale - Maßstab
1/2

		#
052.5325.--		44
052.5300.--		min. 8
021.6002.07		12
021.5699.--**		6
024.5618.SY		18
022.5550.04		4
022.5606.04		4
069.5673.SY		2
024.5623.SY		2
024.5621.SY		2
024.5619.SY		3
069.5663.SY		2
062.7142.04		7
062.7147.SY		1
022.5584.01		6
069.6830.04		6
069.6831.04		min. 6
029.5044.SY		2B1+2B2+2B3
		6H
029.5655.04		4B1+4B2+4B3
		4H
081.9098.07		6H
081.9130.SY		4H + 4B
062.9322.04		2
080.9728.04		4
069.5660.04		8
069.8405.ZC***		1
022.5378.--***		2
069.8447.--		1
069.8408.PA		1
069.5672.SY		4
062.7715.XX		1
050.5055.--		1
024.5605.04		36
065.6555.04		2
069.5653.SY		3
069.8422.04		3
069.5675.04		1

B = 4/3TB + 216.5
B1 = TB/3 + 11.5
B2 = TB/3 - 1.5
B3 = TB/3 + 57.5
BX = B1 - 21
BO1 = B2 + 34
BO2 = B3 +17
HX = H - 94
HO1 = H - 94
HO2 = H - 94
bx = BX - 76
bo1 = BO1 - 40
bo2 = BO2 - 40
bx ≠ bo1 ≠ bo2
hx = HX - 96.4
ho1 = HO1 - 96.4
ho2 = HO2 - 96.4

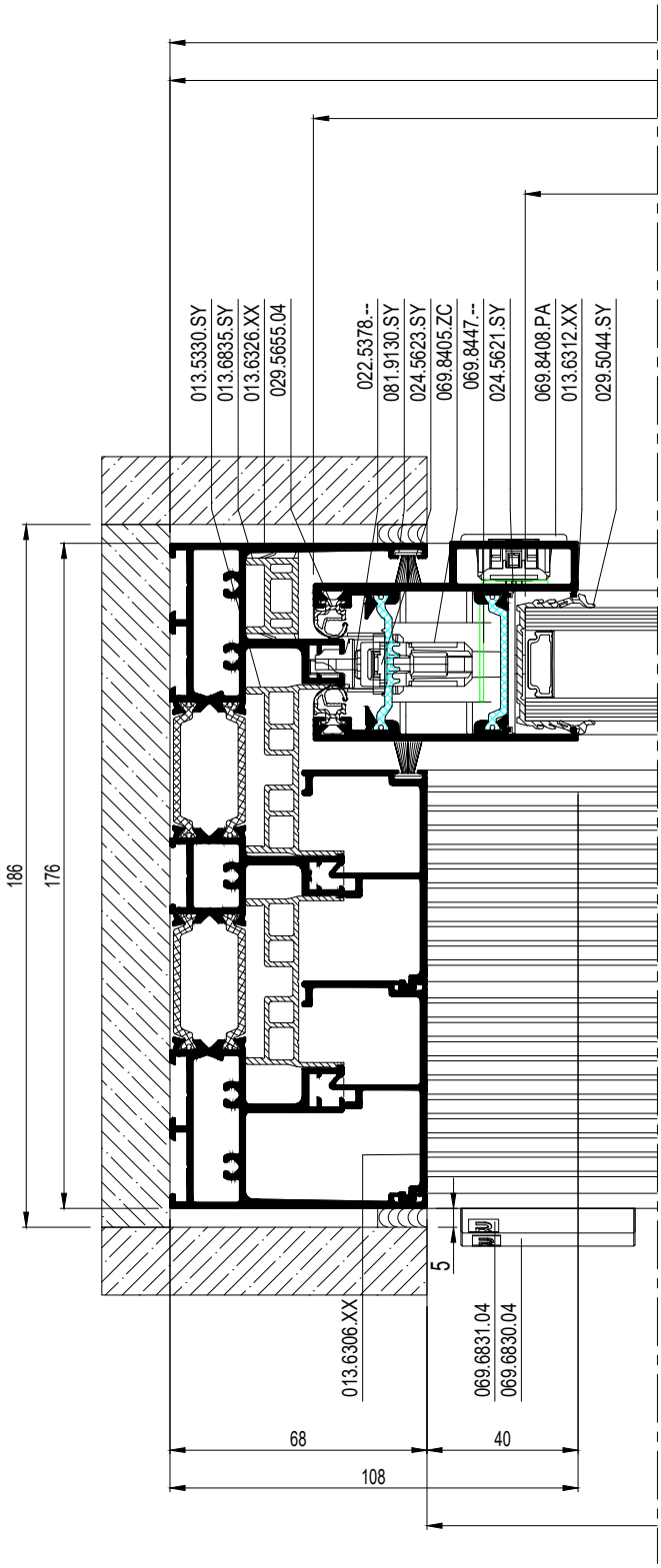
** See 47J.F. ...
*** See 47J.F. ...

MIDDENSTE VLEUGEL ALTIJD MET PROFIEL 013.6304.XX
OUVRANT MOYEN TOUJOURS AVEC PROFIL 013.6304.XX
MIDDLE VENT ALWAYS WITH PROFILE 013.6304.XX
MITTLERE FLUEGEL IMMER MIT PROFIL 013.6304.XX

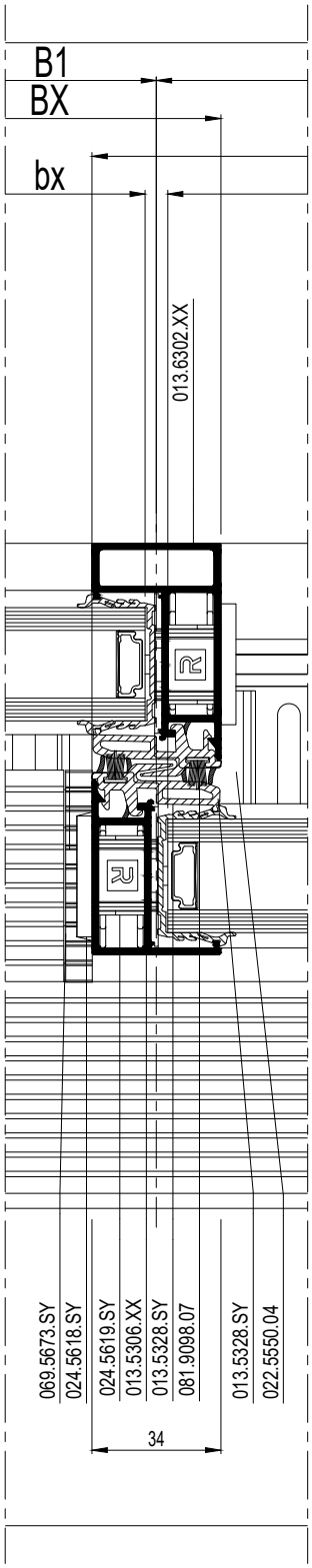
schaal - échelle
scale - Maßstab
1/2

E

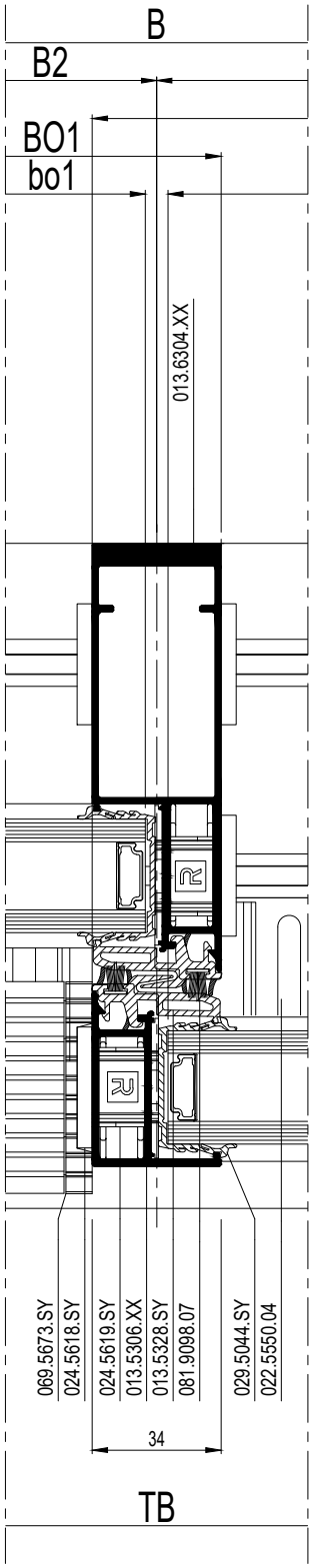
S3PSF 1



S3PSF 2

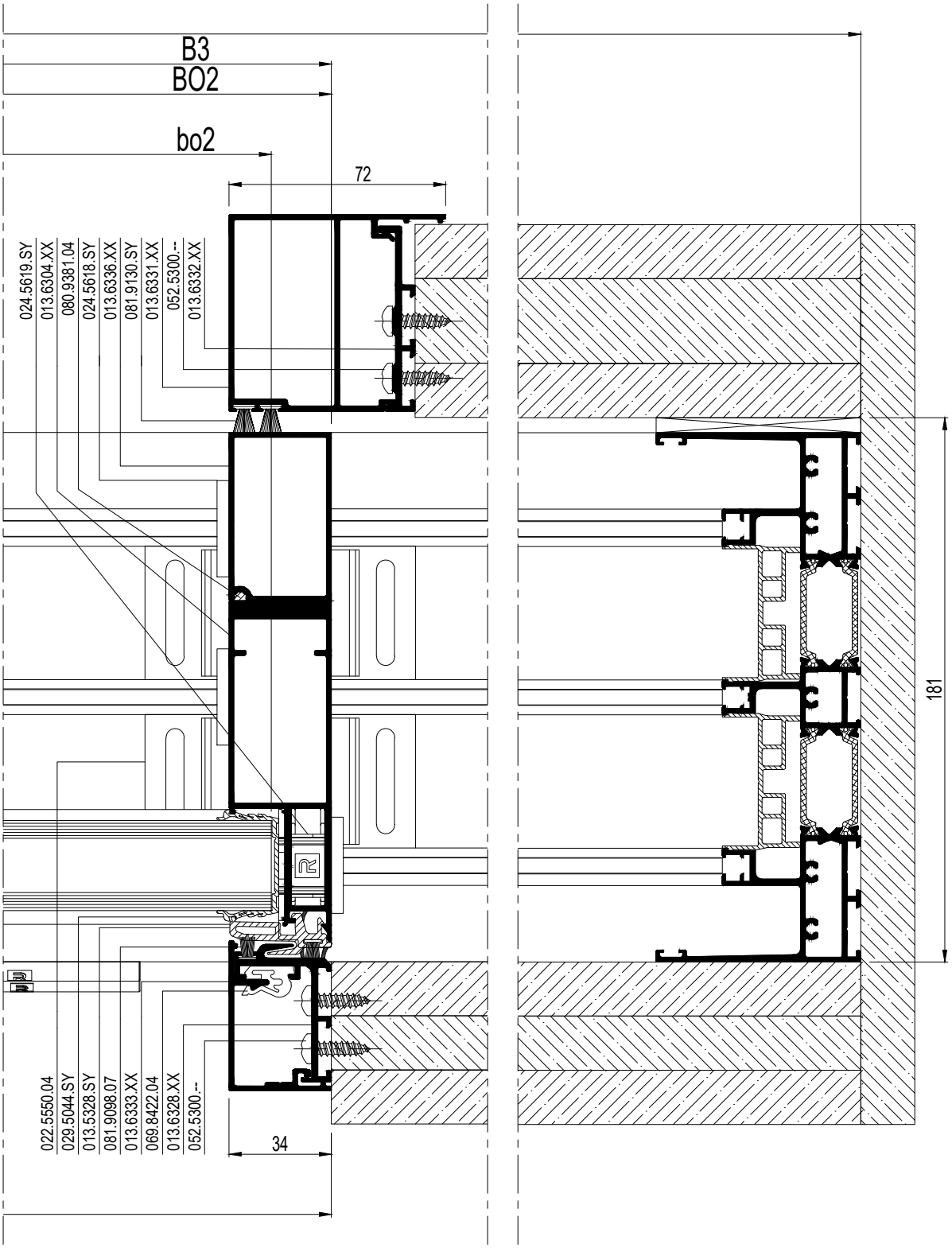


S3PSF 3

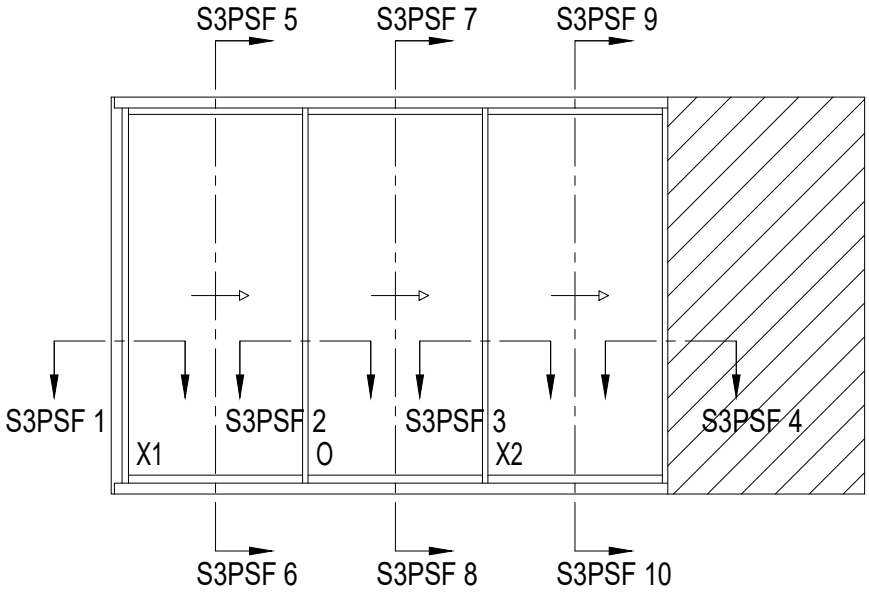


schaal - échelle
scale - Maßstab
1/2

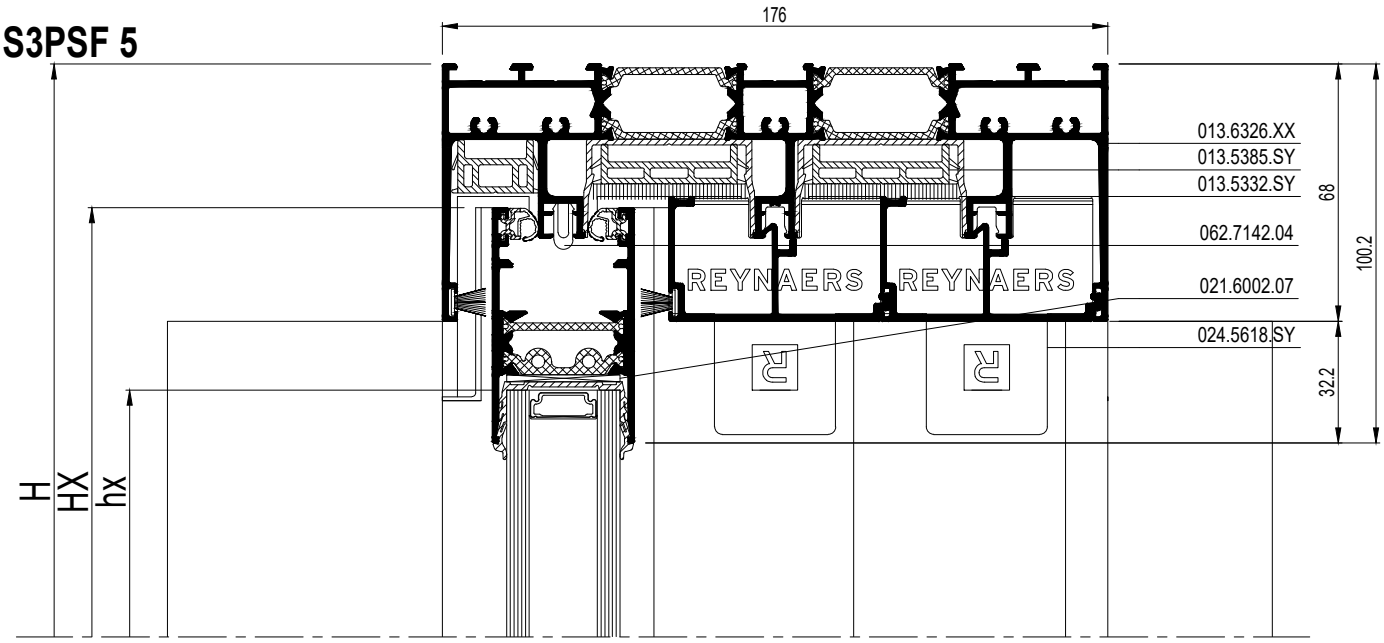
S3PSF 4



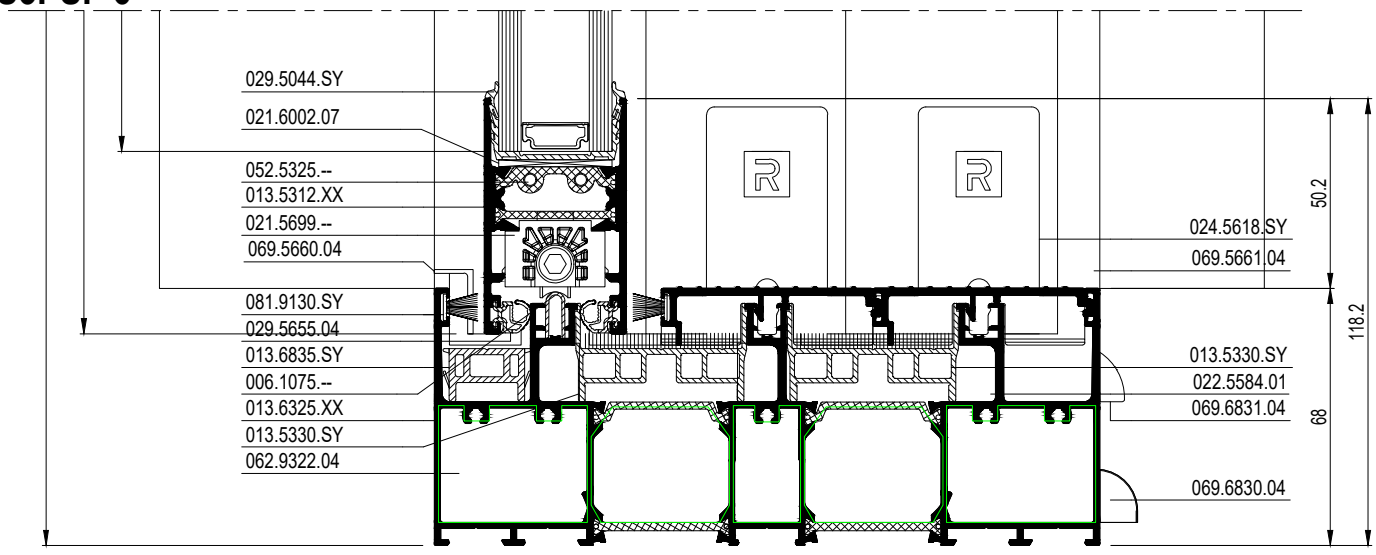
schaal - échelle
scale - Maßstab
1/2



S3PSF 5

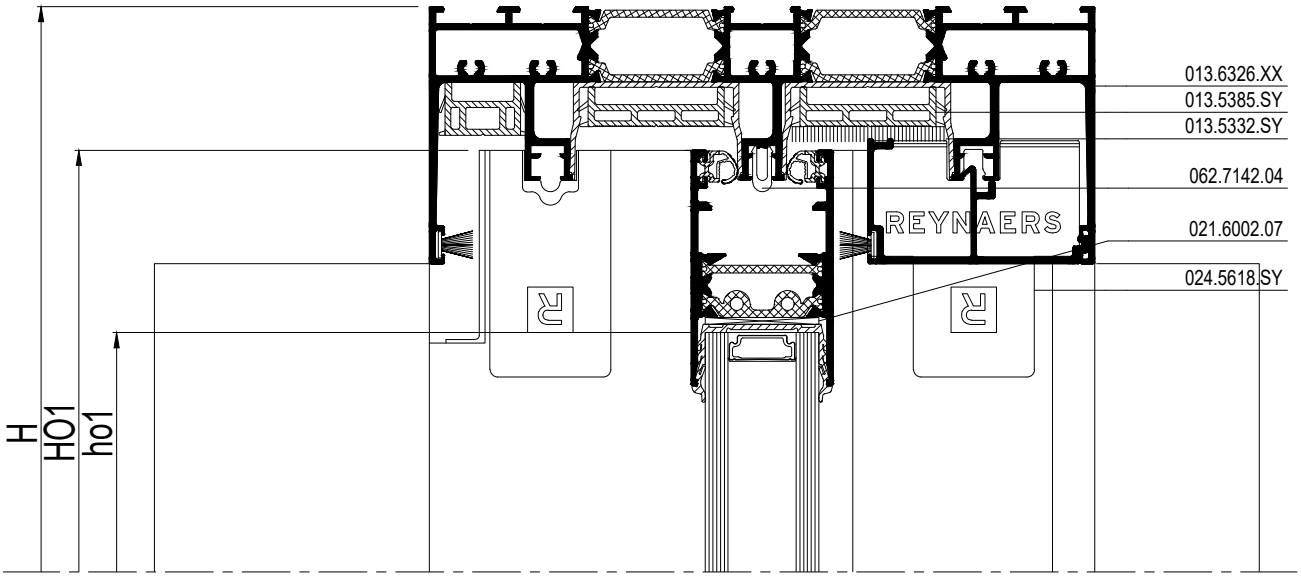


S3PSF 6

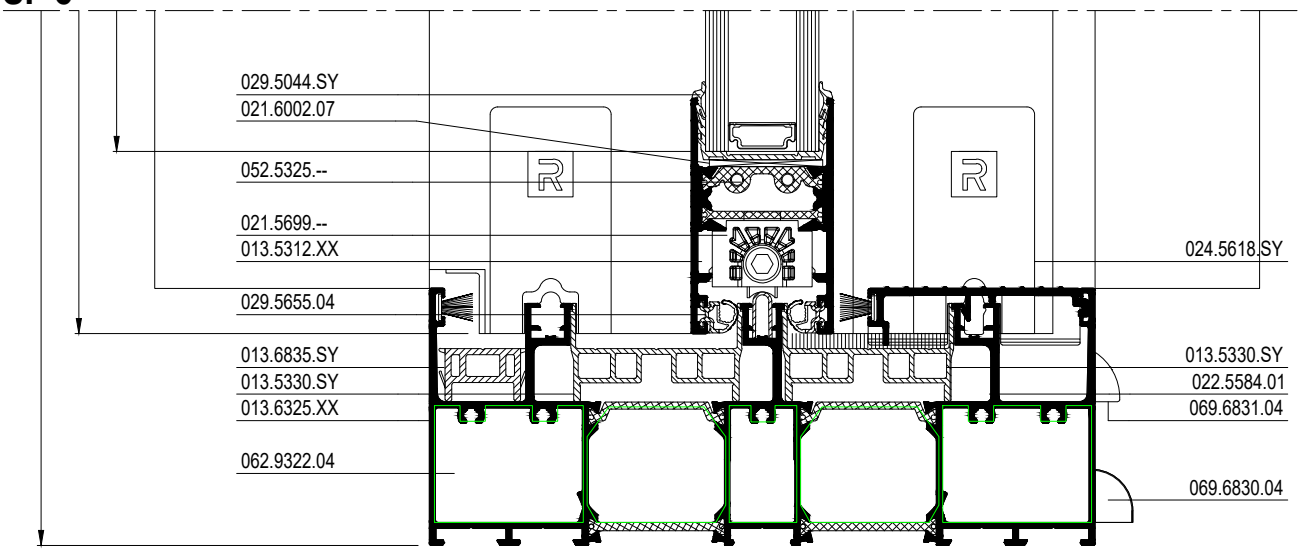


schaal - échelle
scale - Maßstab
1/2

S3PSF 7

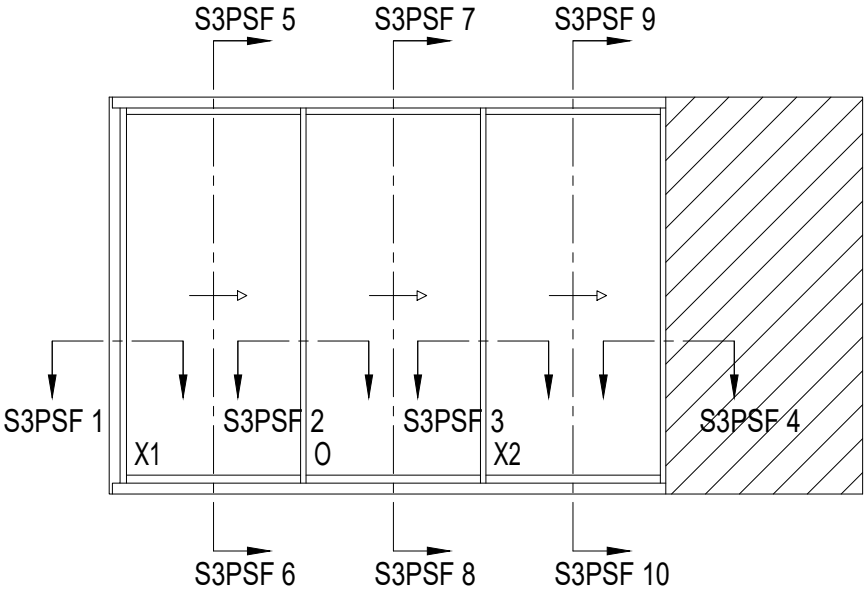


S3PSF 8

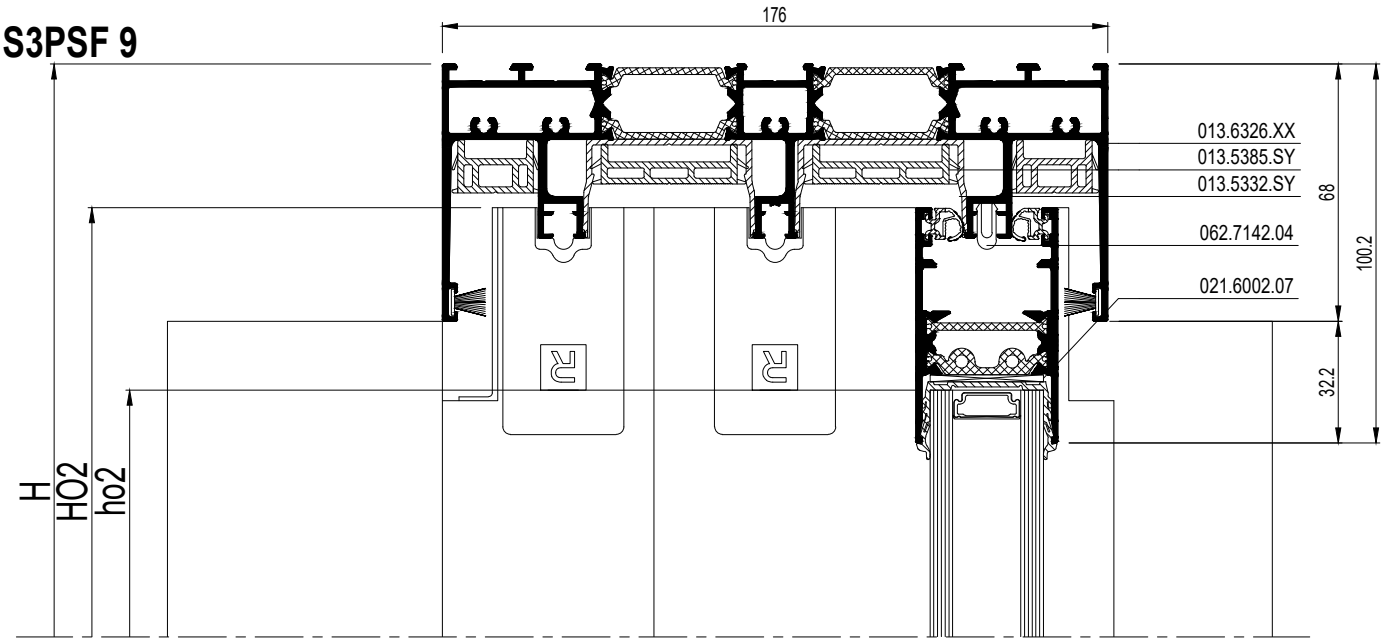


schaal - échelle
scale - Maßstab
1/2

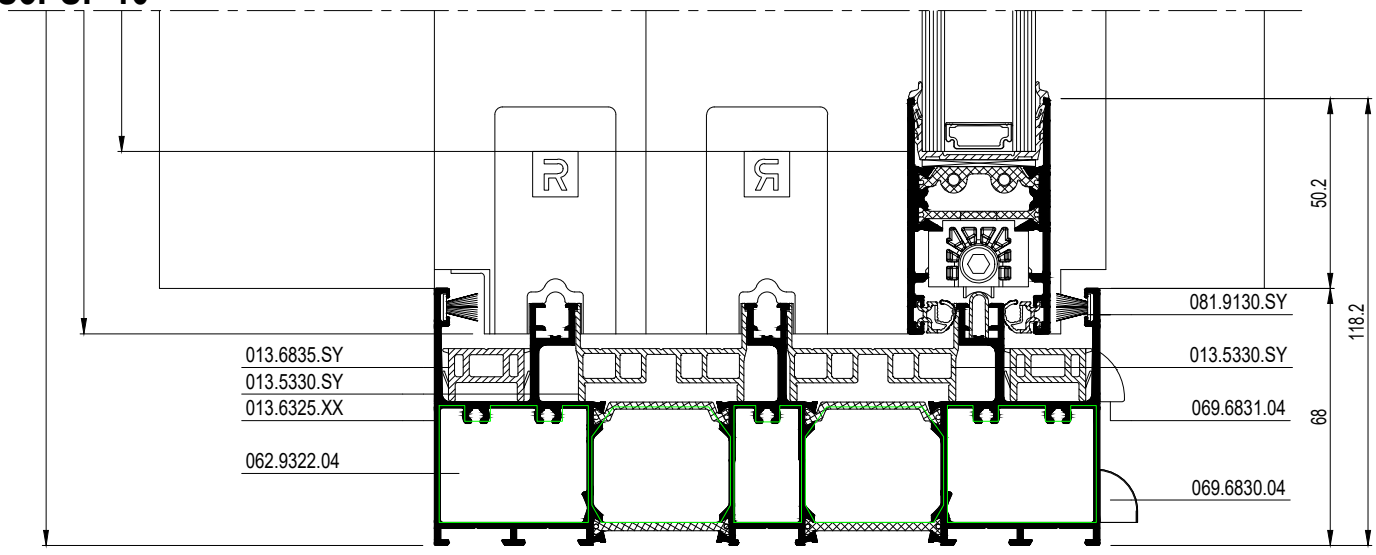
E



S3PSF 9

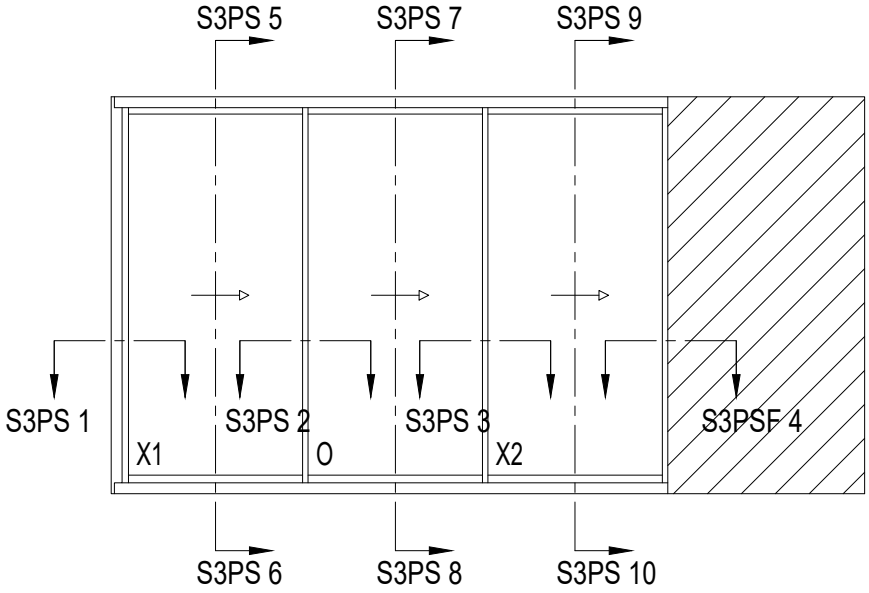


S3PSF 10



schaal - échelle
scale - Maßstab
1/2

schaal - échelle
scale - Maßstab
1/2



			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1-65
			1	B1+B2-65
			1	B2+B3-90
			1	B3-90
			2	B-B1-B2-B3-65
013.5385.SY			1	B1-59
			1	B2-B3-50
			2	B-B1-B2-B3-59
			1	B1+B2-59
			1	B3-50
013.6835.SY			1	H-86
			2	B1+B2+B3-54
			2	B3-17
013.6305.XX			1	B1-92.5
			1	B1+B2-92.5
013.6306.XX			4	H-88
			1	B1-92.5
			1	B1+B2-92.5
006.1075.--			1	B-92
			1	B-B1-25
			1	B-B1-B2-25
013.6300.XX			1	H-94*
013.6304.XX			2	H-94*

013.6336.XX			1	H-94*
013.6302.XX			3	H-94*
013.5328.SY			4	H-94*
			1	H-160
013.5312.XX			2	B1-92
			2	B2-1
			2	B3-18
013.6331.XX			1	H-136
013.6332.XX			1	H-136
013.6333.XX			1	H-136
013.6328.XX			1	H-136

* Assembly before sawing

schaal - échelle
scale - Maßstab
1/2

		#
052.5325.--		44
052.5300.--		min. 8
021.6002.07		12
021.5699.--**		6
024.5618.SY		18
022.5550.04		4
022.5606.04		4
069.5673.SY		2
024.5623.SY		2
024.5621.SY		2
024.5619.SY		3
069.5663.SY		2
062.7142.04		7
062.7147.SY		1
022.5584.01		6
069.6830.04		6
069.6831.04		min. 6
029.5044.SY		2B1+2B2+2B3
		6H
029.5655.04		4B1+4B2+4B3
		4H
081.9098.07		6H
081.9130.SY		4H + 4B
062.9322.04		2
080.9728.04		4
069.5660.04		14
069.8405.ZC***		1
022.5378.--***		2
069.8447.--		1
069.8408.PA		1
069.5672.SY		4
062.7715.XX		1
050.5055.--		1
024.5605.04		36
065.6555.04		2
069.5653.SY		3
069.8422.04		3
069.5675.04		1

B = 4/3TB + 101.5
B1 = TB/3 + 77
B2 = TB/3 - 13.5
B3 = TB/3 + 4
BX = B1 - 21
BO1 = B2 + 34
BO2 = B3 +17
HX = H - 94
HO1 = H - 94
HO2 = H - 94
bx = BX - 76
bo1 = BO1 - 40
bo2 = BO2 - 40
bx = bo1 = bo2
hx = HX - 96.4
ho1 = HO1 - 96.4
ho2 = HO2 - 96.4

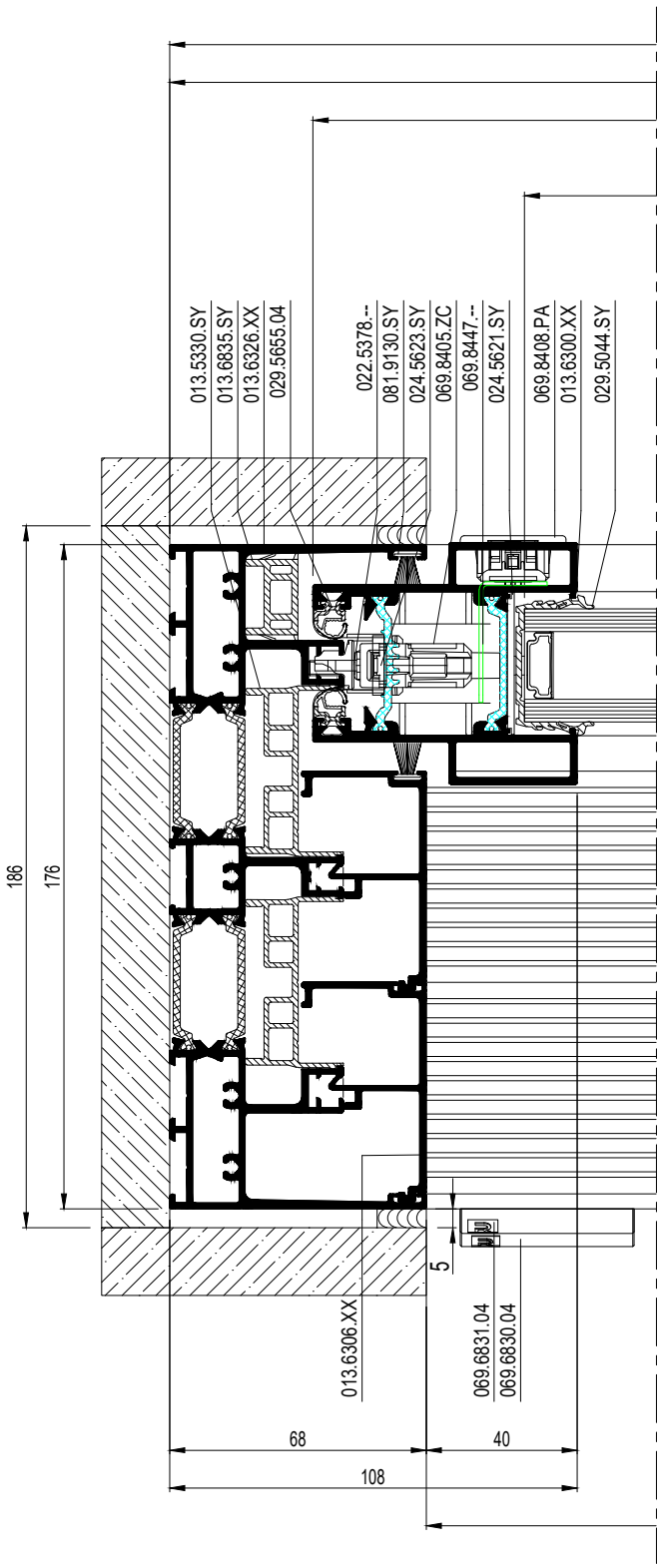
** See 47J.F. ...
*** See 47J.F. ...

MIDDENSTE VLEUGEL ALTIJD MET PROFIEL 013.6304.XX
OUVRANT MOYEN TOUJOURS AVEC PROFIL 013.6304.XX
MIDDLE VENT ALWAYS WITH PROFILE 013.6304.XX
MITTLERE FLUEGEL IMMER MIT PROFIL 013.6304.XX

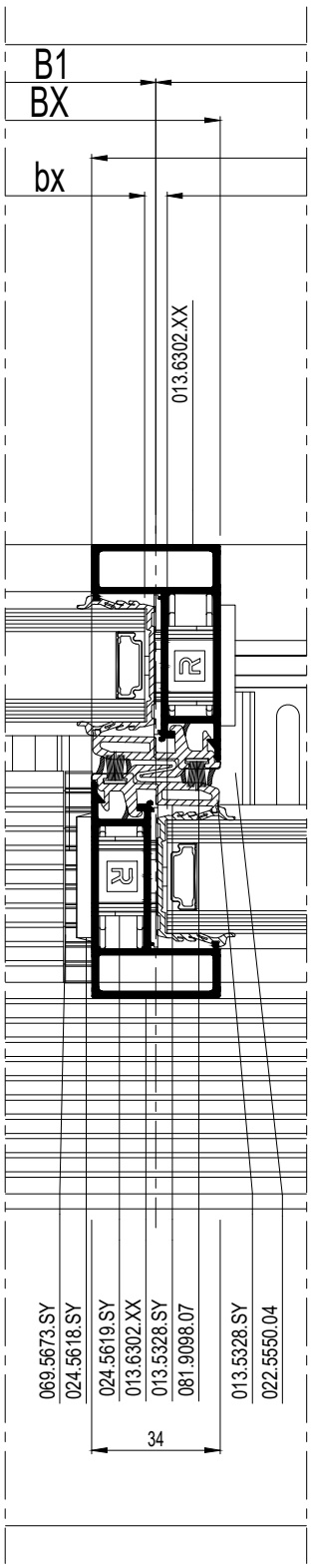
schaal - échelle
scale - Maßstab
1/2

E

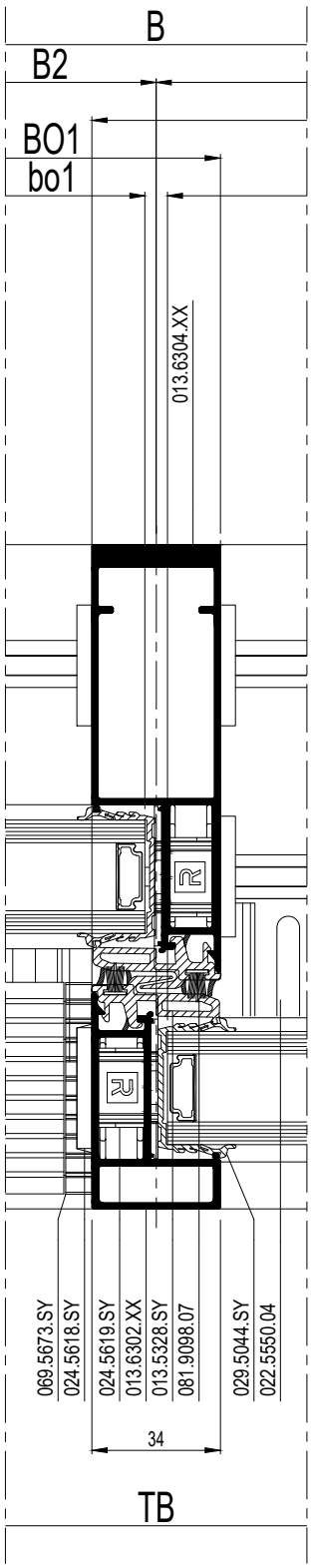
S3PS 1



S3PS 2

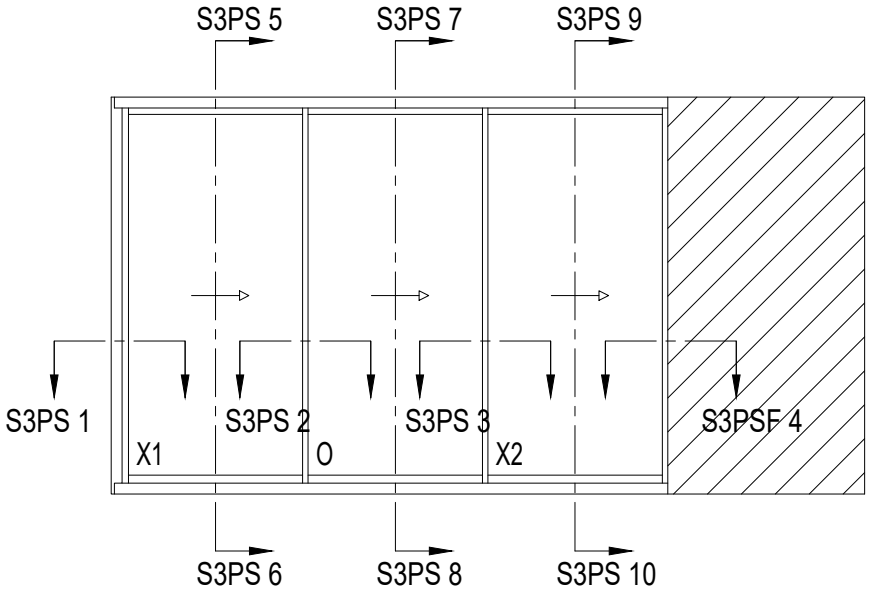


S3PS 3

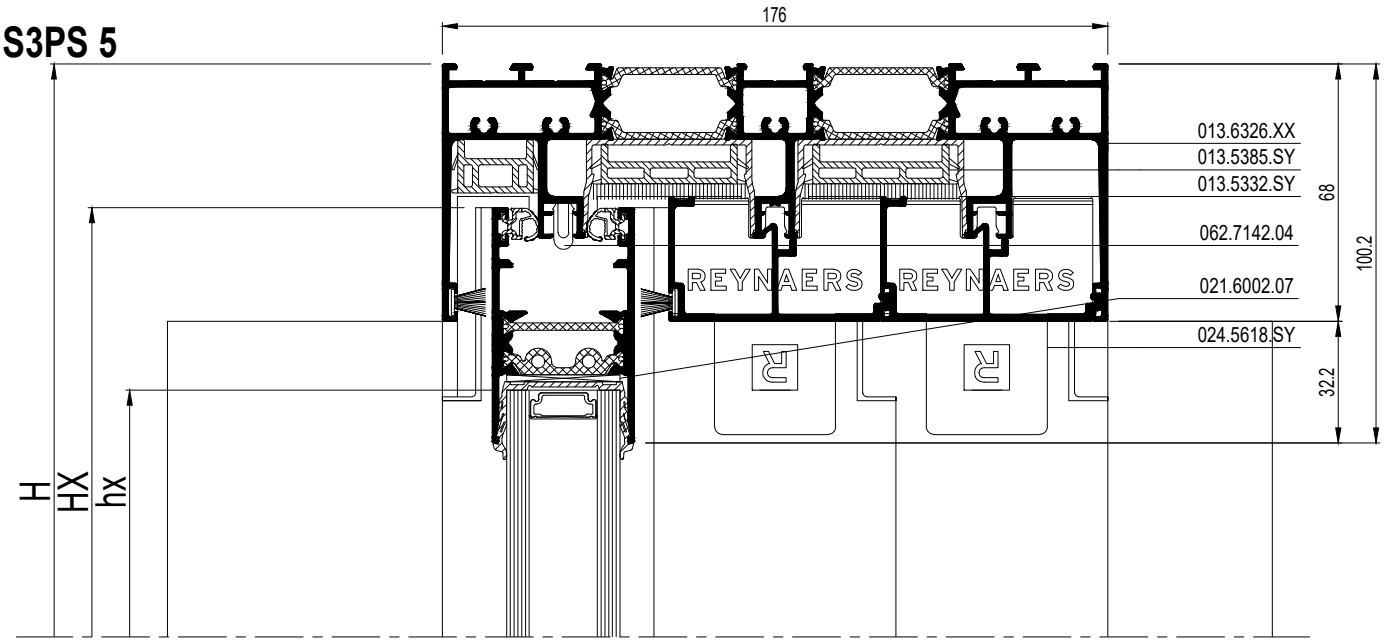


schaal - échelle
scale - Maßstab
1/2

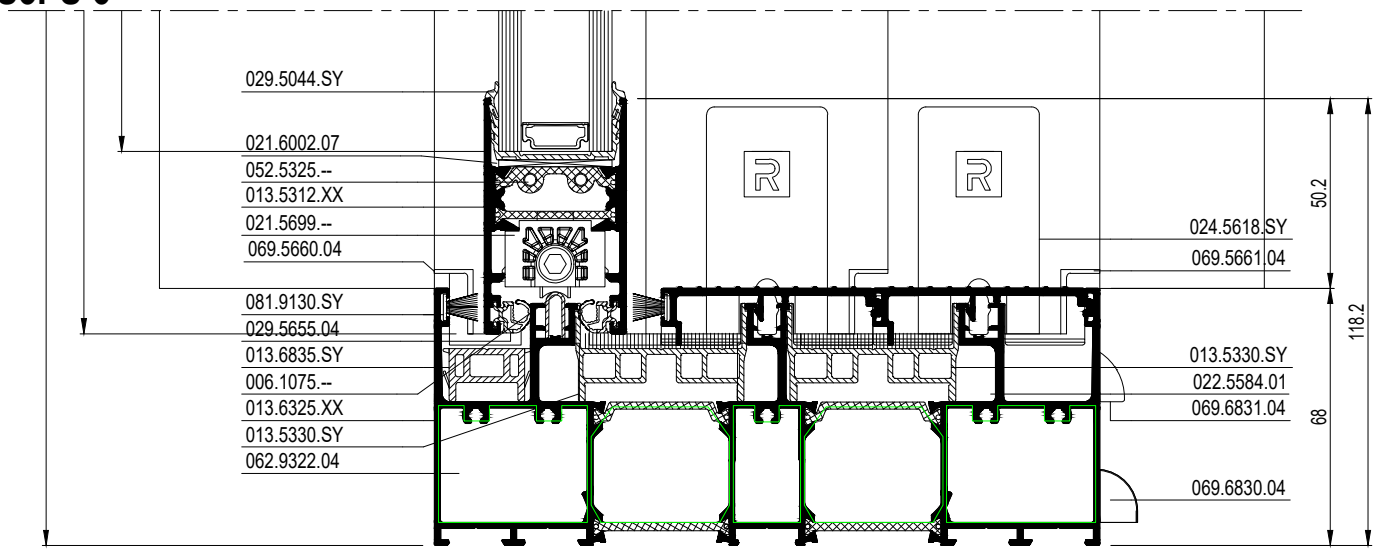
schaal - échelle
scale - Maßstab
1/2



S3PS 5

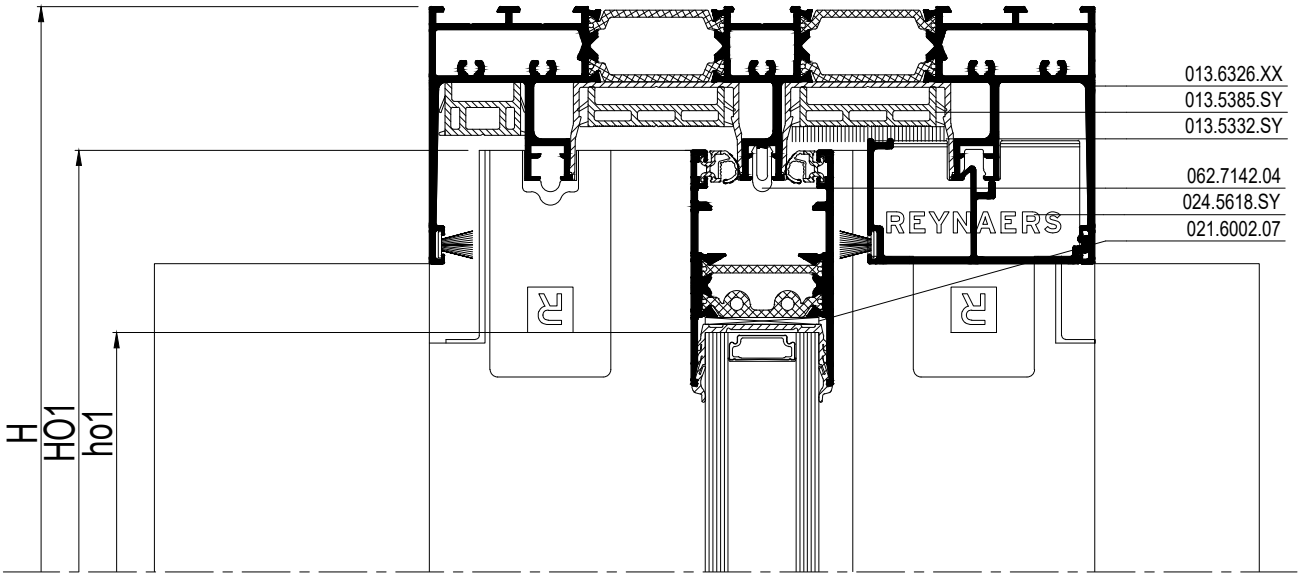


S3PS 6

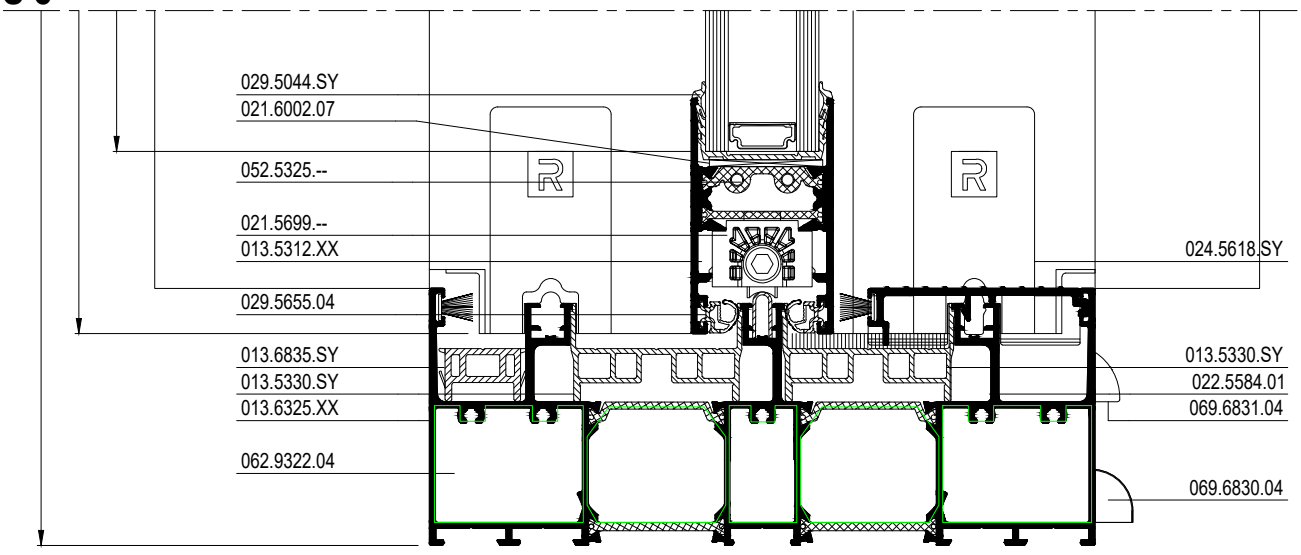


schaal - échelle
scale - Maßstab
1/2

S3PS 7

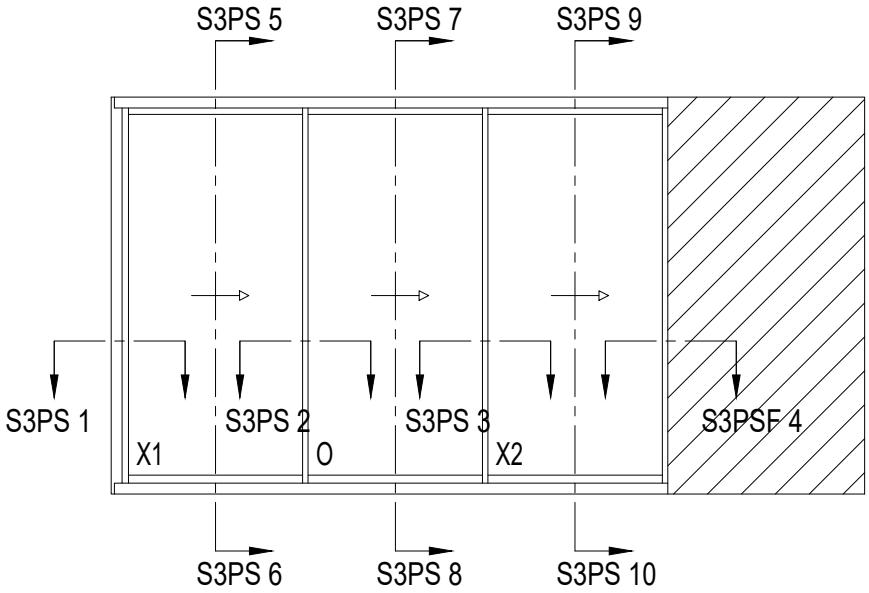


S3PS 8

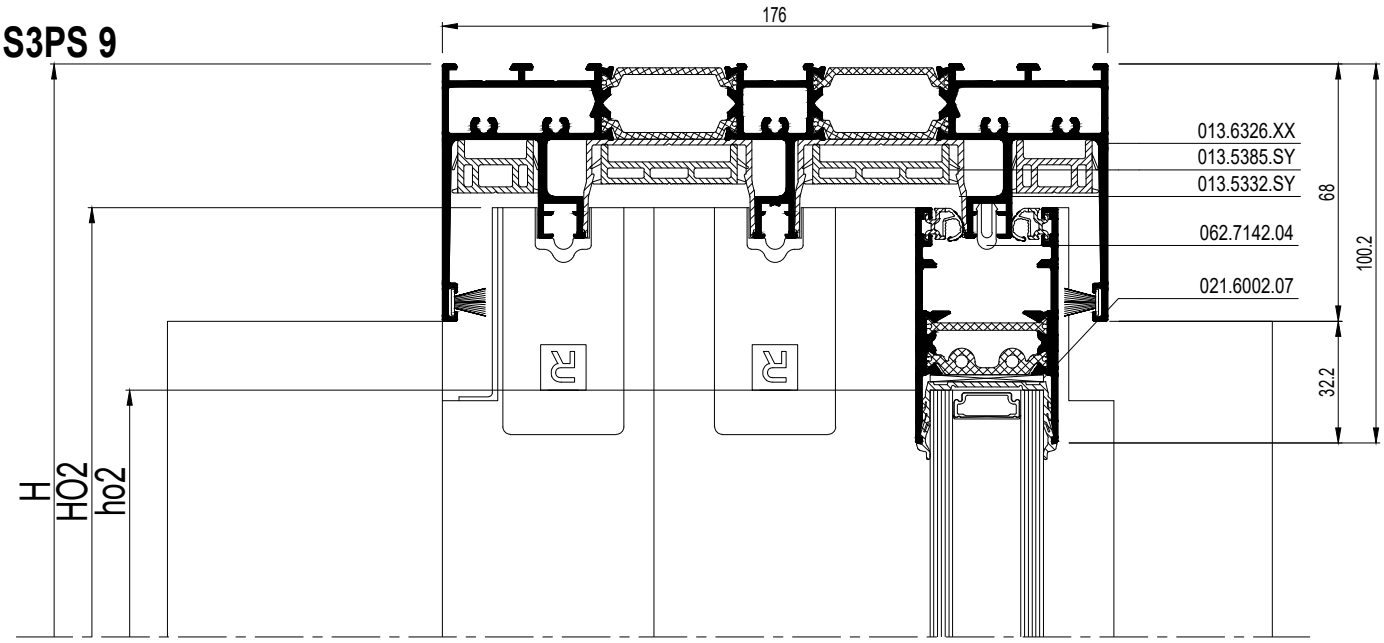


schaal - échelle
scale - Maßstab
1/2

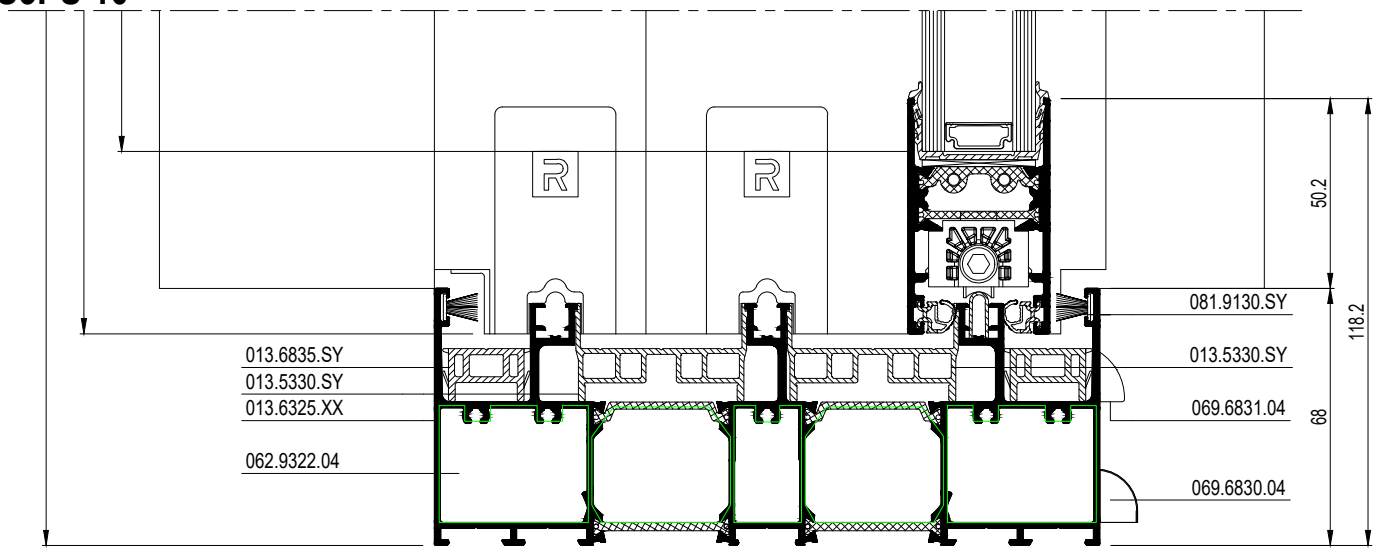
E



S3PS 9

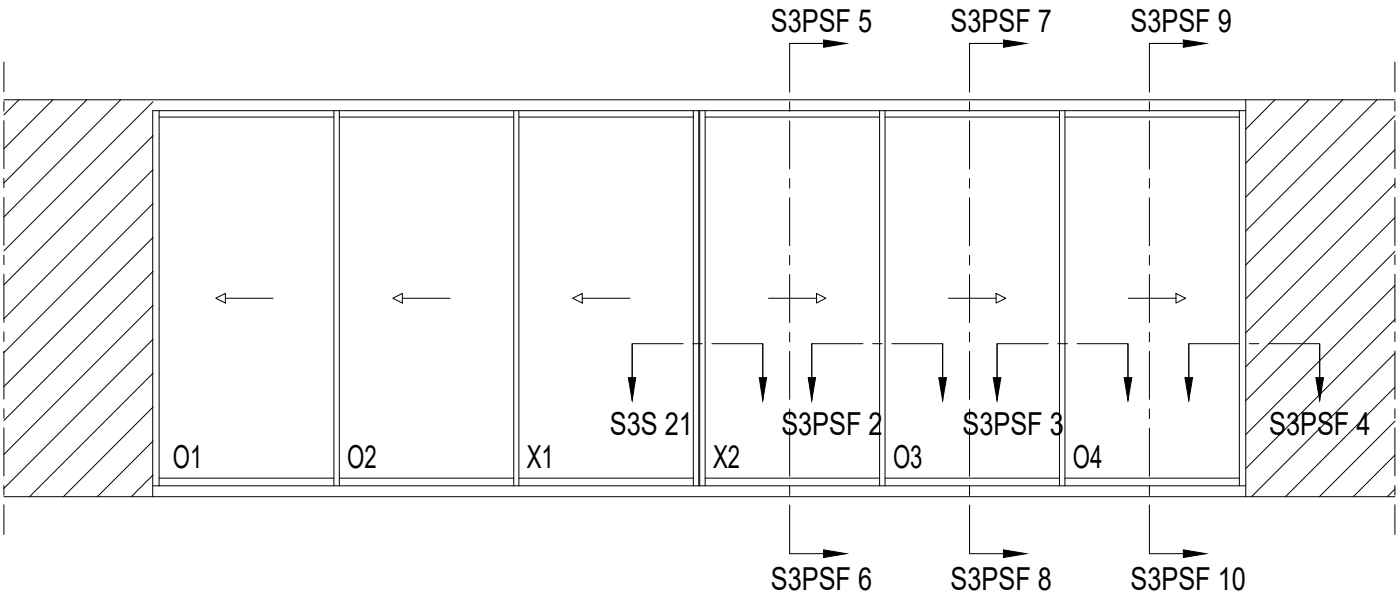


S3PS 10



schaal - échelle
scale - Maßstab
1/2

schaal - échelle
scale - Maßstab
1/2



			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1+B2-90
			1	B5+B6-90
			1	B3+B4-90
			2	B/2-B1-B2-B3-65
			2	B/2-B4-B5-B6-65
			1	B1-90
			1	B6-90
			1	B2+B3+B4+B5-90
013.5385.SY			1	B1+B2-50
			1	B5+B6-50
			1	B3+B4-50
			2	B/2-B1-B2-B3-59
			2	B/2-B4-B5-B6-59
			1	B1-50
			1	B6-50
			1	B2+B3+B4+B5-50
013.6835.SY			2	B-B1-B6-250
			2	B1-17
			2	B6-17
013.6305.XX			1	B3+B4-49
			1	B2+B3+B4+B5-49
013.6306.XX			1	B3+B4-49
			1	B2+B3+B4+B5-49
006.1075.--			3	B-92

013.6304.XX			4	H-94*
013.6336.XX			2	H-94*
013.6302.XX			2	H-94*
013.5306.XX			4	H-94*
013.5328.SY			10	H-94*
013.5312.XX			2	B1-18
			2	B2-1
			2	B3-21
			2	B4-21
			2	B5-1
			2	B6-18
013.6316.XX			1	H-94
013.6317.XX			1	H-94
013.6331.XX			1	H-136
013.6332.XX			1	H-136
013.6333.XX			1	H-136
013.6328.XX			1	H-136

* Assembly before sawing

schaal - échelle
scale - Maßstab
1/2

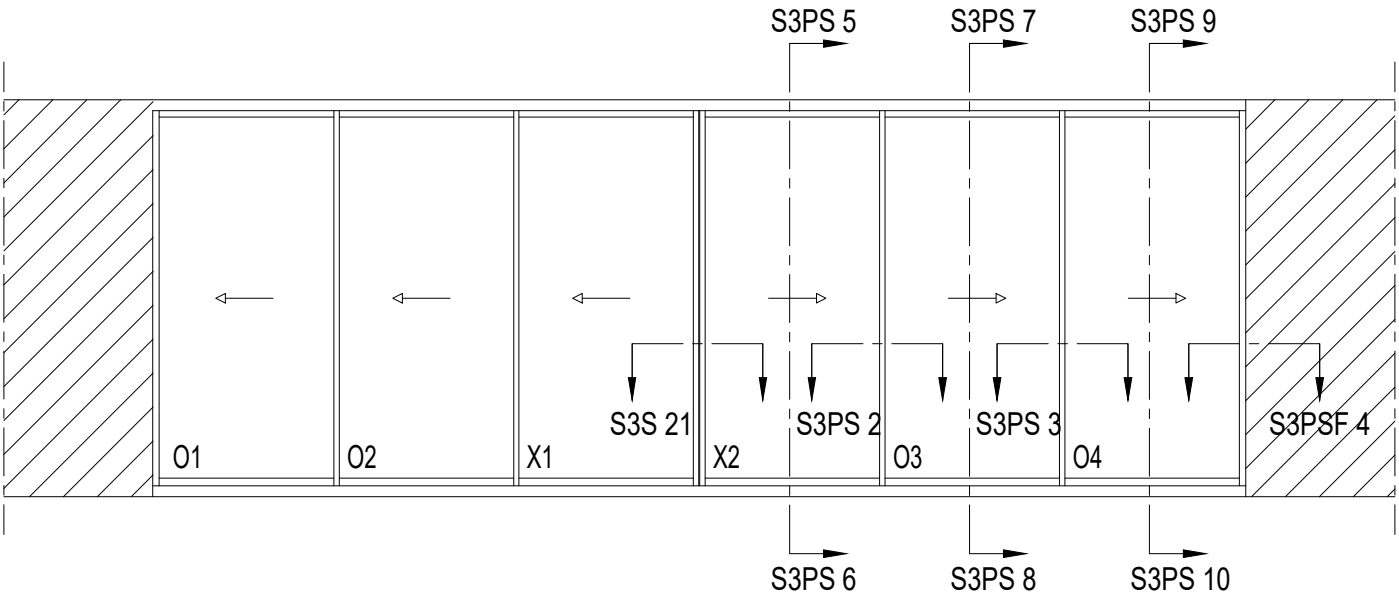
		#
052.5325.--		68
052.5300.--		min. 16
021.6002.07		24
021.5699.--**		12
024.5618.SY		40
022.5550.04		9
022.5606.04		9
024.5619.SY		6
069.5663.SY		12
062.7142.04		15
022.5584.01		13
069.6830.04		12
069.6831.04		min. 12
029.5044.SY		2B1+2B2+2B3
		2B4+2B5+2B6
		12H
029.5655.04		4B1+4B2+4B3
		4B4+4B5+4B6
		4H
081.9098.07		13H
081.9130.SY		4B + 4H
062.9322.04		2
080.9728.04		4
069.5660.SY		16
069.5665.04		1
069.8405.ZC***		1
022.5378.--***		1
069.8406.PA		1
080.8442.04		3H
062.7715.XX		2
050.5055.--		2
024.5605.04		72
065.6555.04		2
069.5653.SY		3
069.5673.SY		4
069.8422.04		6
069.5675.04		2

B = 4/3TB + 247.5	HO1 = H-94
B1 = TB/6 + 33	HO2 = H-94
B2 = TB/6 - 26.5	HX1 = H-94
B3 = TB/6 - 6.5	HX2 = H-94
B4 = TB/6 - 6.5	HO3 = H-94
B5 = TB/6 - 26.5	HO4 = H-94
B6 = TB/6 + 33	ho1 = HO1-96.4
BO1 = B1+17	ho2 = HO2-96.4
BO2 = B2+34	hx1 = HX1-96.4
BX1 = B3+30	hx2 = HX2-96.4
BX2 = B4+14	ho3 = HO3-96.4
BO3 = B4+34	ho4 = HO4-96.4
BO4 = B6+17	
bo1= BO1-40	
bo2= BO2-40	
bx1 = BX1-56	
bo1≠bo2≠bx1	
bx2= BX2-40	
bo3 = BO3-40	
bo4 = BO4-40	
bx2≠bo3≠bo4	

** See 47J.F. ...
*** See 47J.F. ...

MIDDENSTE VLEUGELS ALTIJD MET PROFIEL 013.6304.XX
OUVRANTS MOYEN TOUJOURS AVEC PROFIL 013.6304.XX
MIDDLE VENTS ALWAYS WITH PROFILE 013.6304.XX
MITTLERE FLUEGELS IMMER MIT PROFIL 013.6304.XX

schaal - échelle
scale - Maßstab
1/2



			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1+B2-90
			1	B5+B6-90
			1	B3+B4-90
			2	B/2-B1-B2-B3-65
			2	B/2-B4-B5-B6-65
			1	B1-90
			1	B6-90
			1	B2+B3+B4+B5-90
013.5385.SY			1	B1+B2-50
			1	B5+B6-50
			1	B3+B4-50
			2	B/2-B1-B2-B3-59
			2	B/2-B4-B5-B6-59
			1	B1-50
			1	B6-50
			1	B2+B3+B4+B5-50
013.6835.SY			2	B-B1-B6-250
			2	B1-17
			2	B6-17
013.6305.XX			1	B3+B4-49
			1	B2+B3+B4+B5-49
013.6306.XX			1	B3+B4-49
			1	B2+B3+B4+B5-49
006.1075.--			3	B-92

013.6304.XX			4	H-94*
013.6336.XX			2	H-94*
013.6302.XX			6	H-94*
013.5328.SY			10	H-94*
013.5312.XX			2	B1-18
			2	B2-1
			2	B3-21
			2	B4-21
			2	B5-1
			2	B6-18
013.6316.XX			1	H-94
013.6317.XX			1	H-94
013.6331.XX			1	H-136
013.6332.XX			1	H-136
013.6333.XX			1	H-136
013.6328.XX			1	H-136

* Assembly before sawing

schaal - échelle
scale - Maßstab
1/2

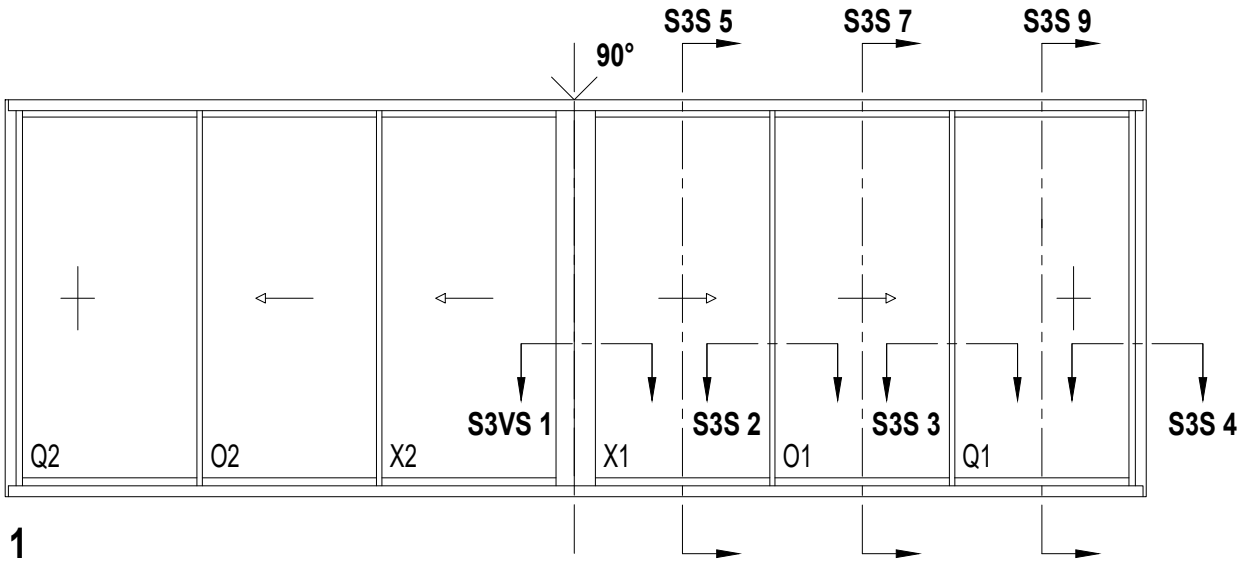
		#
052.5325.--		68
052.5300.--		min. 16
021.6002.07		24
021.5699.--**		12
024.5618.SY		40
022.5550.04		9
022.5606.04		9
024.5619.SY		6
069.5663.SY		12
062.7142.04		15
022.5584.01		13
069.6830.04		12
069.6831.04		min. 12
029.5044.SY		2B1+2B2+2B3
		2B4+2B5+2B6
		12H
029.5655.04		4B1+4B2+4B3
		4B4+4B5+4B6
		4H
081.9098.07		13H
081.9130.SY		4B + 4H
062.9322.04		2
080.9728.04		4
069.5660.SY		24
069.5665.04		1
069.8405.ZC***		1
022.5378.--***		1
069.8406.PA		1
080.8442.04		3H
062.7715.XX		2
050.5055.--		2
024.5605.04		72
065.6555.04		2
069.5653.SY		3
069.5673.SY		4
069.8422.04		6
069.5675.04		2

B = 4/3TB + 191.5	HO1 = H-94
B1 = TB/6 + 5	HO2 = H-94
B2 = TB/6 +22	HX1 = H-94
B3 = TB/6 + 25	HX2 = H-94
B4 = TB/6 + 25	HO3 = H-94
B5 = TB/6 + 22	HO4 = H-94
B6 = TB/6 + 5	ho1 = HO1-96.4
BO1 = B1+17	ho2 = HO2-96.4
BO2 = B2+34	hx1 = HX1-96.4
BX1 = B3+30	hx2 = HX2-96.4
BX2 = B4+14	ho3 = HO3-96.4
BO3 = B4+34	ho4 = HO4-96.4
BO4 = B6+17	
bo1= BO1-40	
bo2= BO2-40	
bx1 = BX1-56	
bo1=bo2=bx1	
bx2= BX2-40	
bo3 = BO3-40	
bo4 = BO4-40	
bx2=bo3=bo4	

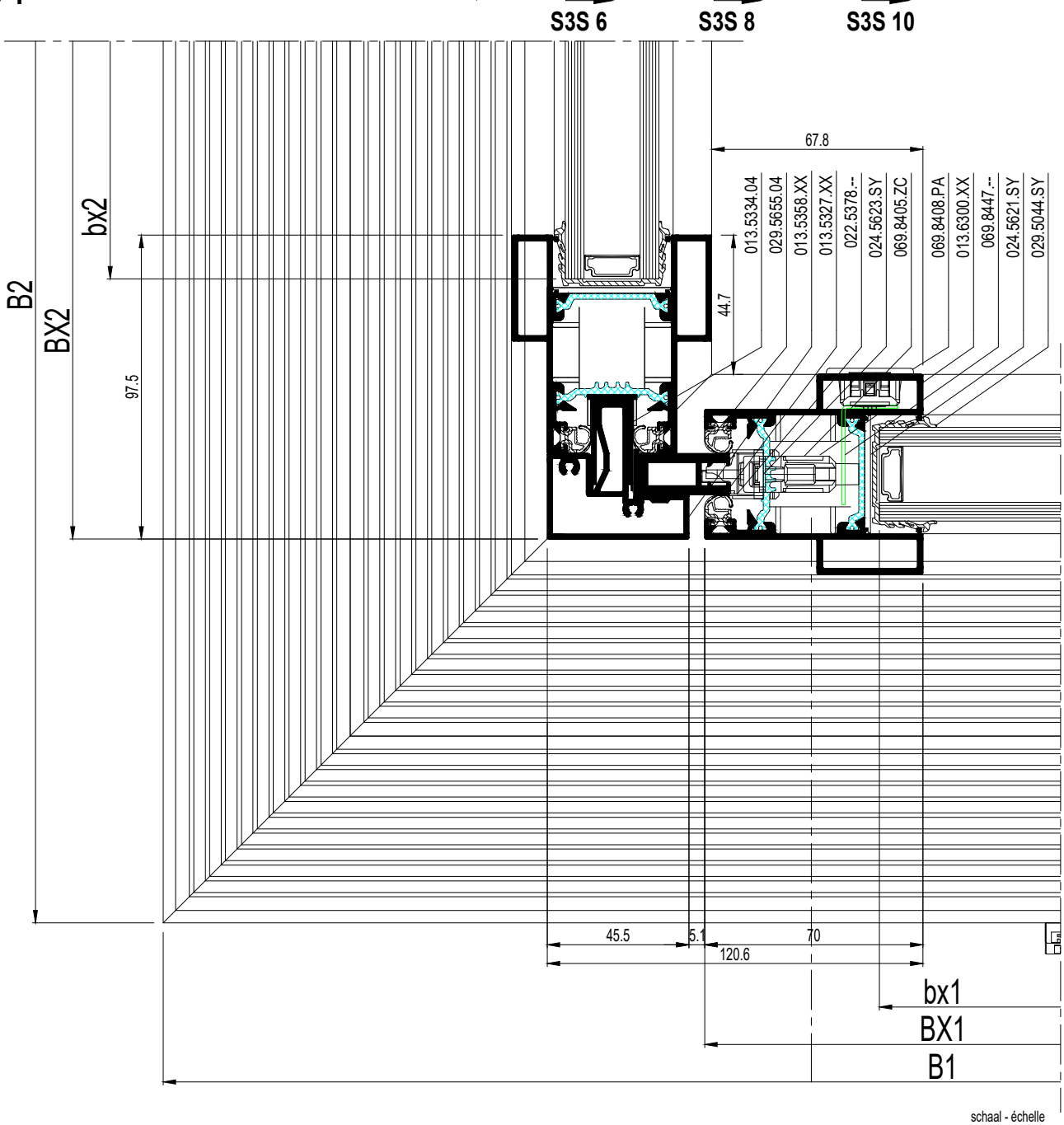
** See 47J.F. ...
*** See 47J.F. ...

MIDDENSTE VLEUGELS ALTIJD MET PROFIEL 013.6304.XX
OUVRANTS MOYEN TOUJOURS AVEC PROFIL 013.6304.XX
MIDDLE VENTS ALWAYS WITH PROFILE 013.6304.XX
MITTLERE FLUEGELS IMMER MIT PROFIL 013.6304.XX

schaal - échelle
scale - Maßstab
1/2

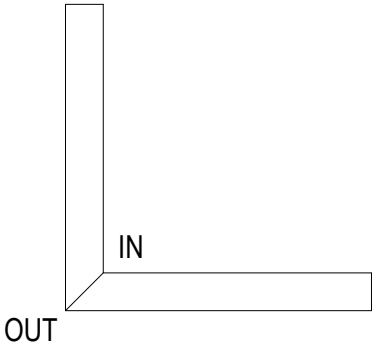


S3VS 1

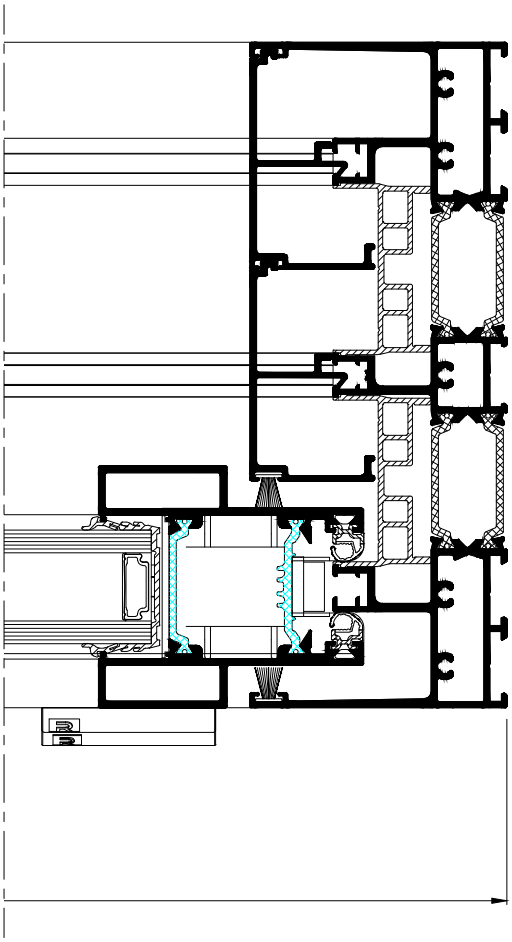


schaal - échelle
scale - Maßstab
1/2

E



BQ1 = B1/3-37
BO1 = B1/3-73
BX1 = B1/3-37
BX2 = B2/3-2
BO2 = B2/2-65
BQ2=B2/3-39
bq1 = BQ1-76
bo1 = BO1-40
bx1 = BX1-76
bx2=BX2-103.5
bo2=BO2-40
bq2 = BQ2-76
HQ1 = H-94
HO1 = H-94
HX1 = H-94
HX2 = H-94
HO2 = H-94
HQ2 = H-94
hq1 = HQ-96.4
ho1 = HQ-96.4
hx1 = HX-96.4
hx2 = HX-96.4
ho2 = HX-96.4
hq2 = HQ-96.4



schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6326.XX			2	H
			1	B1-21
			1	B2-21
013.6325.XX			1	B1-21
			1	B2-21
013.5332.SY			1	B1-113
			1	B1-57
			1	B2-113
			1	B2-57
013.5330.SY			4	H-58
			1	BQ1-44
			1	BQ1+BO1-44
			1	BO1+BX1+74.5
			1	BX1+17
			1	BQ2-44
			1	BQ2+BO2-44
			1	BO2+BX2+24
			1	BX2-34
013.5385.SY			1	BQ1-38
			1	BQ1+BO1-38
			1	BO1+BX1+92.5
			1	BX1+36.5
			1	BQ2-38
			1	BQ2+BO2-38
			1	BO2+BX2+42
			1	BX2-14
013.6835.SY			1	B1-170.5
			1	B1-170.5
			1	B2-170.5
			1	B2-170.5
013.6305.SY			1	BX1+72
			1	BO1+BX1+130.5
			1	BX2+21.5
			1	BO2+BX2+80
013.6306.XX			4	H-88
			1	BX1+72
			1	BO1+BX1+130.5
			1	BX2+21.5
			1	BO2+BX2+80
006.1075.--			1	B1-187.5
			1	BQ1+BO1-4
			1	BQ1-4
			1	B2-187.5
			1	BQ2+BO2-4
			1	BQ2-4
013.6300.XX			4	H-94

			#	Lm
013.6304.XX			4	H-94*
013.6302.XX			4	H-94*
013.5328.SY			8	H-94*
013.5312.XX			2	BQ1-71
			2	BO1-35
			2	BX1-71
			2	BQ2-71
			2	BO2-35
			2	BX2-98.5
013.5358.XX			1	H-188
013.5334.04			2	H-188
013.5327.SY			1	H-188

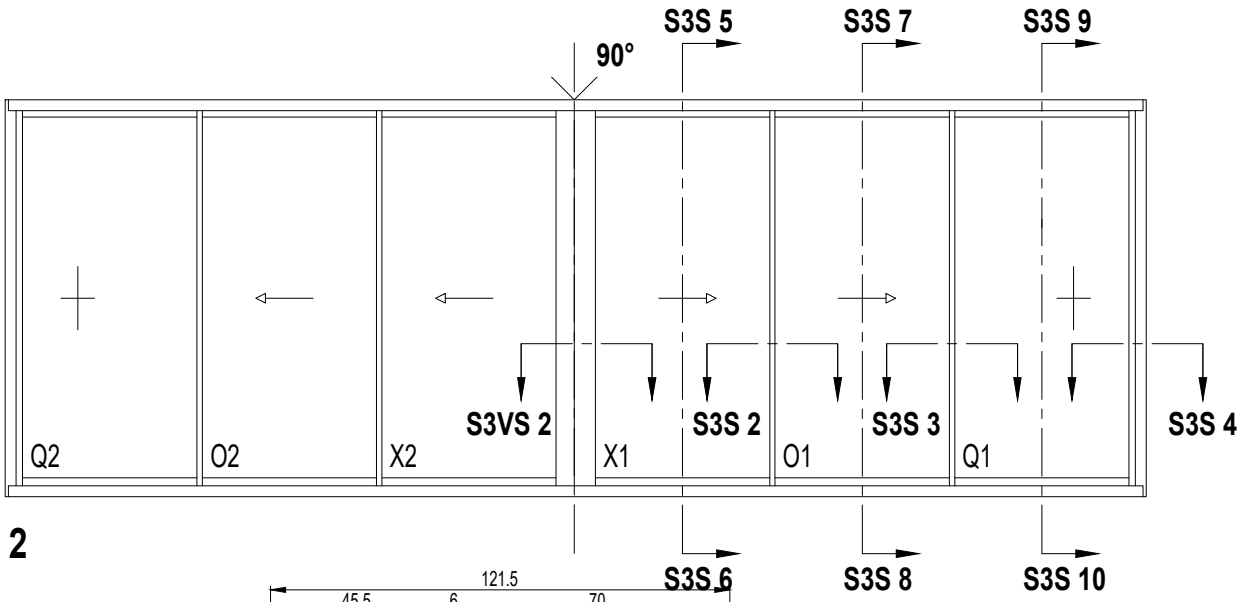
* Assembly before sawing

schaal - échelle
scale - Maßstab
1/2

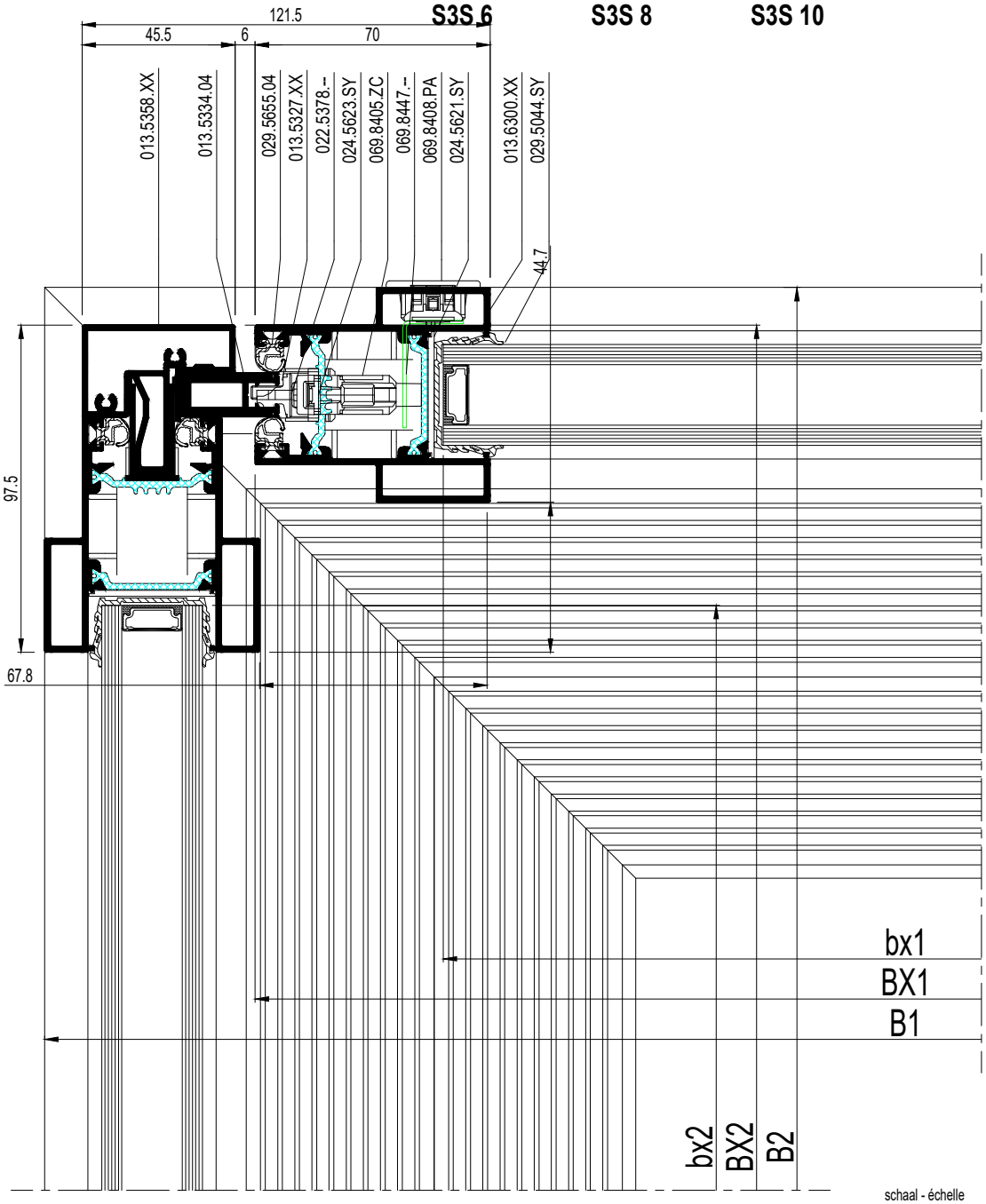
		#
052.5325.--		68
050.5091.--		20
050.5094.--		20
053.5405.--		min. 6
021.6002.07		24
021.5699.--**		8
021.5705.--		4
022.5418.04		2
024.5618.SY		16
069.5673.SY		4
022.5550.04		4
022.5606.04		4
024.5623.SY		6
024.5621.SY		8
024.5619.SY		4
069.5663.SY		8
062.7142.04		7
062.7147.SY		1
022.5584.01		6
069.6830.04		12
069.6831.04		min. 12
029.5044.SY		2B1+2B2+12H
029.5655.04		4B1+4B2+8H
081.9098.07		8H
081.9130.SY		4B1+4B2+4H
062.9322.04		4
080.9728.04		4
069.5660.04		20
069.5661.04		8
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
069.5672.SY		8
062.7715.XX		4
050.5055.--		4
024.5642.04		4
024.5605.04		72
065.6555.04		4
069.5653.SY		3
022.5588.04		1
062.8083.00		5
062.8084.00		5
054.5441.04		40

** See 47J.F. ...
*** See 47J.F. ...

schaal - échelle
scale - Maßstab
1/2



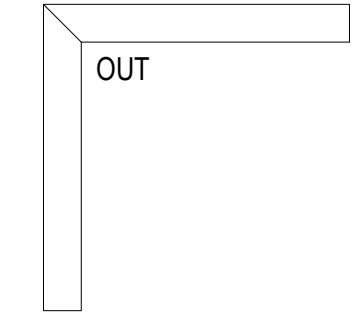
S3VS 2



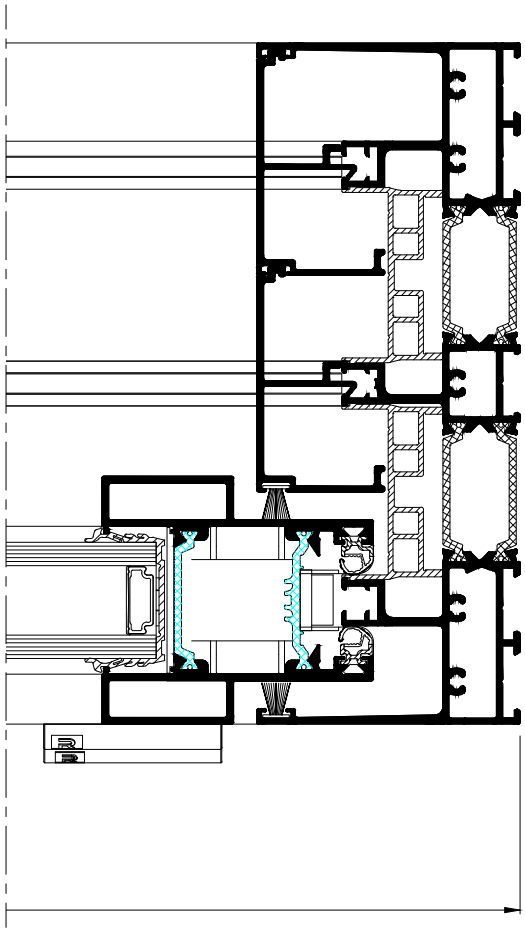
schaal - échelle
scale - Maßstab
1/2

E

IN



BQ1=B1/3+0.5
BO1=B1/3-35.5
BX1=B1/3-0.5
BX2=B2/3+35.5
BO2=B2/3-28
BQ2=B2/3+8
bq1 = BQ1-76
bo1 = BO1-40
bx1 = BX1-76
bx2=BX2-103.5
bo2=BO2-40
bq2 = BQ2-76
HQ1 = H-94
HO1 = H-94
HX1 = H-94
HX2 = H-94
HO2 = H-94
HQ2 = H-94
hq1 = HQ-96.4
ho1 = HQ-96.4
hx1 = HX-96.4
hx2 = HX-96.4
ho2 = HX-96.4
hq2 = HQ-96.4



E

schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6326.XX			2	H
			1	B1-21
			1	B2-21
013.6325.XX			1	B1-21
			1	B2-21
013.5332.SY			1	B1-113
			1	B1-57
			1	B2-113
			1	B2-57
013.5330.SY			4	H-58
			1	BQ1-44
			1	BQ1+BO1-44
			1	BO1+BX1-93.5
			1	BX1-37.5
			1	BQ2-44
			1	BQ2+BO2-44
			1	BO2+BX2-144
			1	BX2-77
013.5385.SY			1	BQ1-38
			1	BQ1+BO1-38
			1	BO1+BX1-75.5
			1	BX1-19.5
			1	BQ2-38
			1	BQ2+BO2-38
			1	BO2+BX2-126
			1	BX2-70
013.6835.SY			1	B1-22
			1	B1-22
			1	B2-22
			1	B2-22
013.6305.SY			1	BX1-12.5
			1	BO1+BX1-95.5
			1	BX2-90.5
			1	BO2+BX2-146.5
013.6306.XX			4	H-88
			1	BX1-39.5
			1	BO1+BX1-95.5
			1	BX2-90.5
			1	BO2+BX2-146.5
006.1075.--			1	B1-75.5
			1	BQ1+BO1-4
			1	BQ1-4
			1	B2-75.5
			1	BQ2+BO2-4
			1	BQ2-4
013.6300.XX			4	H-94

			#	Lm
013.6304.XX			4	H-94*
013.6302.XX			4	H-94*
013.5328.SY			8	H-94*
013.5312.XX			2	BQ1-71
			2	BO1-35
			2	BX1-71
			2	BQ2-71
			2	BO2-35
			2	BX2-98.5
013.5358.XX			1	H-188
013.5334.04			2	H-188
013.5327.SY			1	H-188

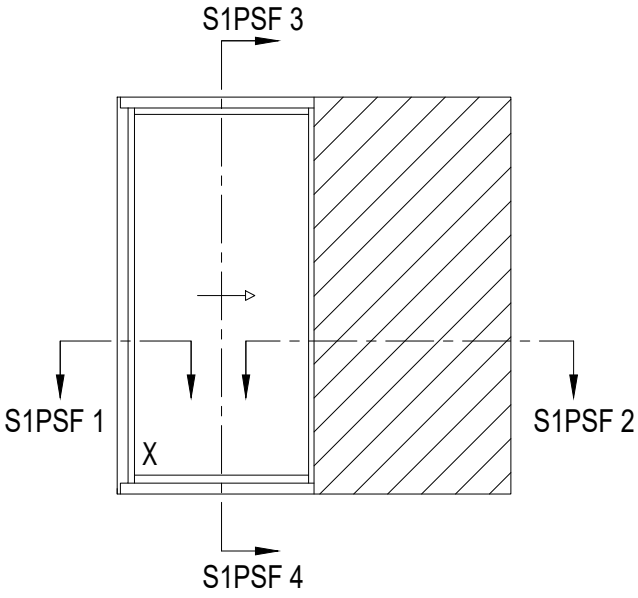
* Assembly before sawing

schaal - échelle
scale - Maßstab
1/2

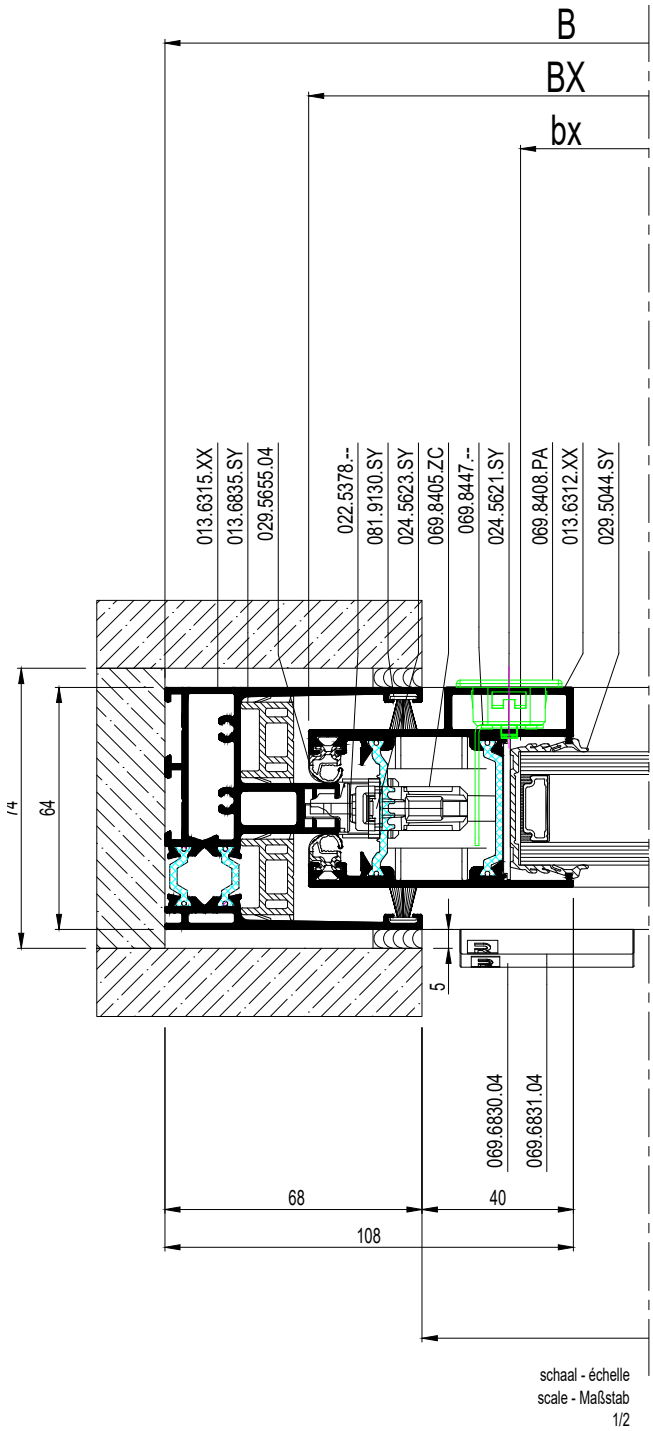
		#
052.5325.--		68
050.5091.--		20
050.5094.--		20
053.5405.--		min. 6
021.6002.07		24
021.5699.--**		8
021.5705.--		4
022.5418.04		2
024.5618.SY		16
069.5673.SY		4
022.5550.04		4
022.5606.04		4
024.5623.SY		4
024.5621.SY		8
024.5619.SY		4
069.5663.SY		8
062.7142.04		7
062.7147.SY		1
022.5584.01		6
069.6830.04		12
069.6831.04		min. 12
029.5044.SY		2B1+2B2+12H
029.5655.04		4B1+4B2+8H
081.9098.07		8H
081.9130.SY		4B1+4B2+4H
062.9322.04		4
080.9728.04		4
069.5660.04		20
069.5661.04		8
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
069.5672.SY		8
062.7715.XX		4
050.5055.--		4
024.5642.04		4
024.5605.04		72
065.6555.04		4
069.5653.SY		3
022.5588.04		1
062.8083.00		5
062.8084.00		5
054.5441.04		40

** See 47J.F. ...
*** See 47J.F. ...

schaal - échelle
scale - Maßstab
1/2

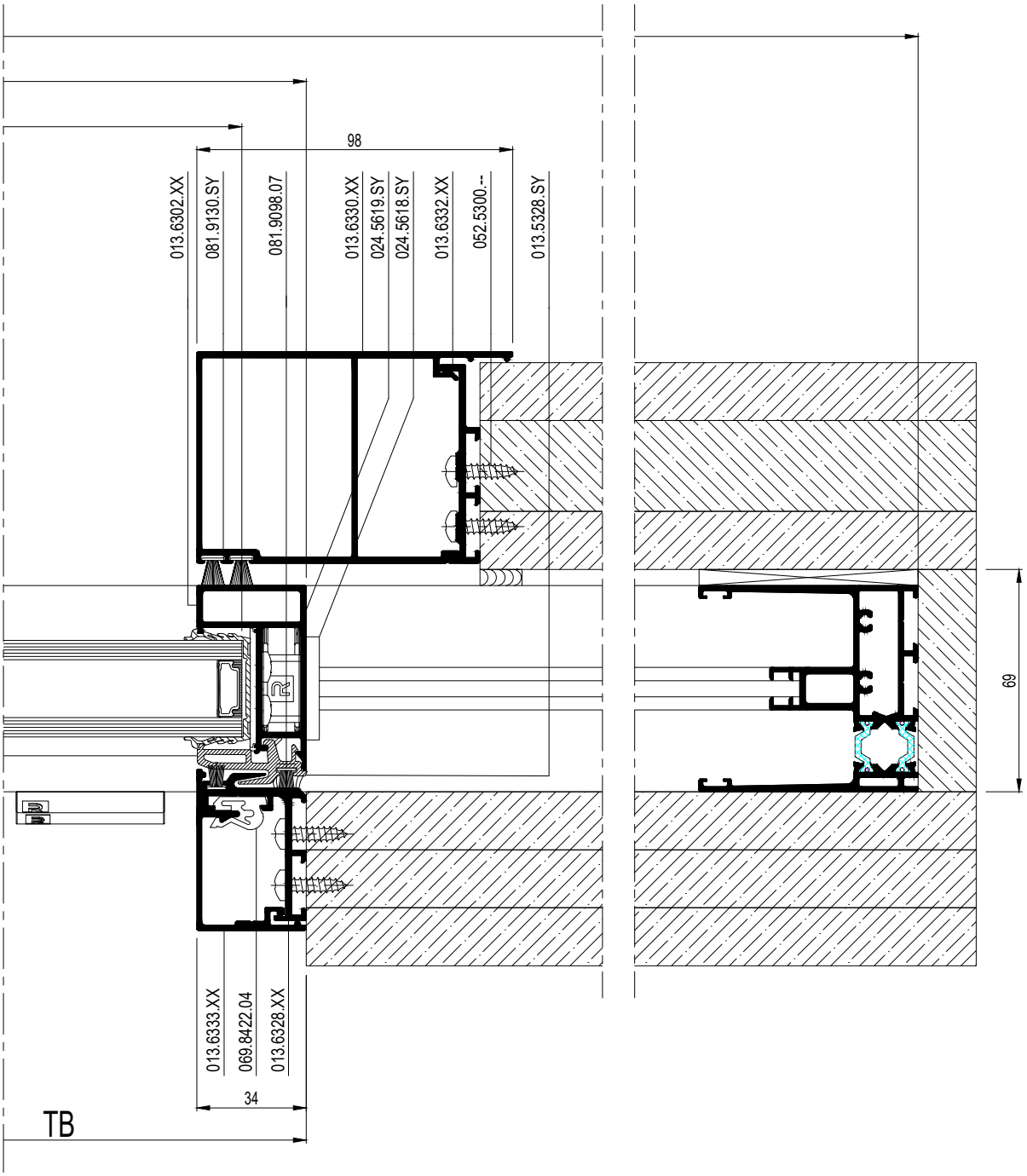


S1PSF 1

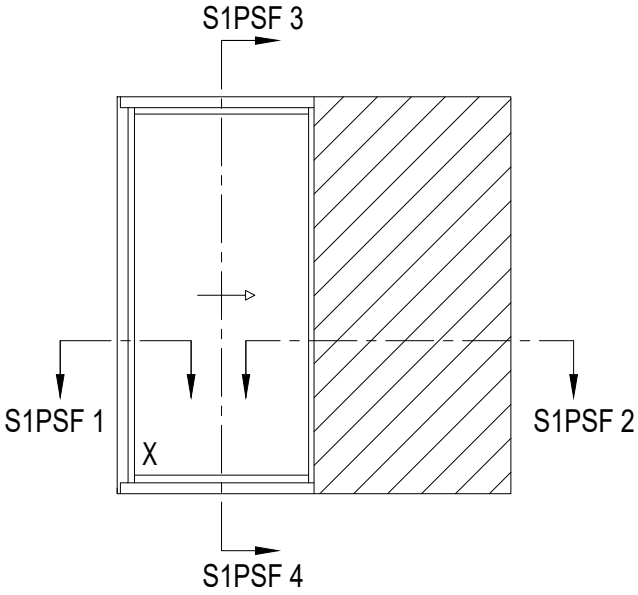


schaal - échelle
scale - Maßstab
1/2

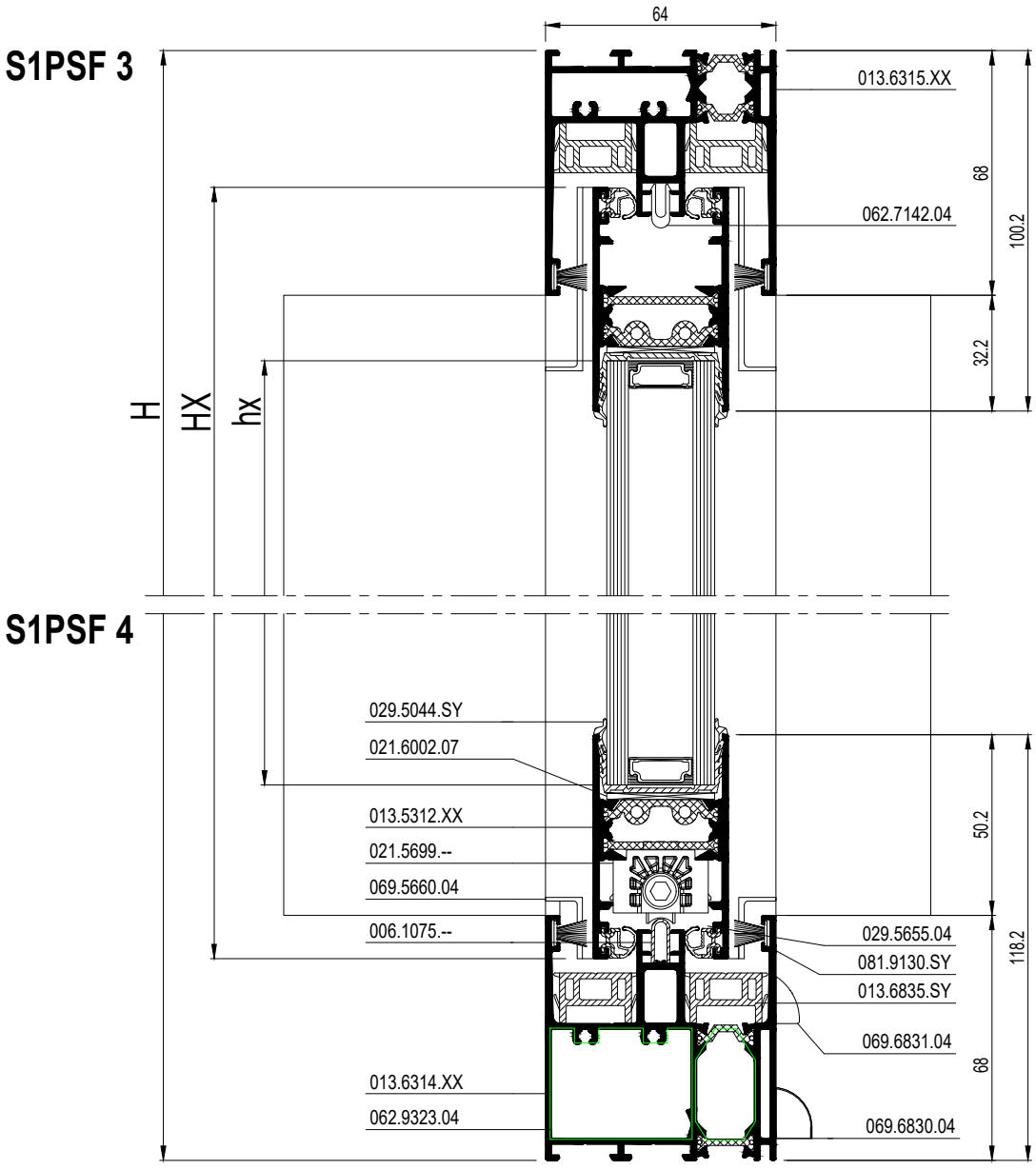
S1PSF 2



schaal - échelle
scale - Maßstab
1/2



B = TB*2+172
BX = TB+30
bx = BX-76
HX = H-94
hx = HX-96.4



schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6315.XX			2	H
			1	B-42
013.6314.XX			1	B-42
013.6835.SY			2	H-86
			4	B/2-72
013.5312.XX			2	B/2-127
013.6312.XX			1	H-94
006.1075.--			1	B-92
013.6302.XX			1	H-94
013.5328.SY			1	H-160
013.6330.XX			1	H-136
013.6332.XX			1	H-136
013.6333.XX			1	H-136
013.6328.XX			1	H-136

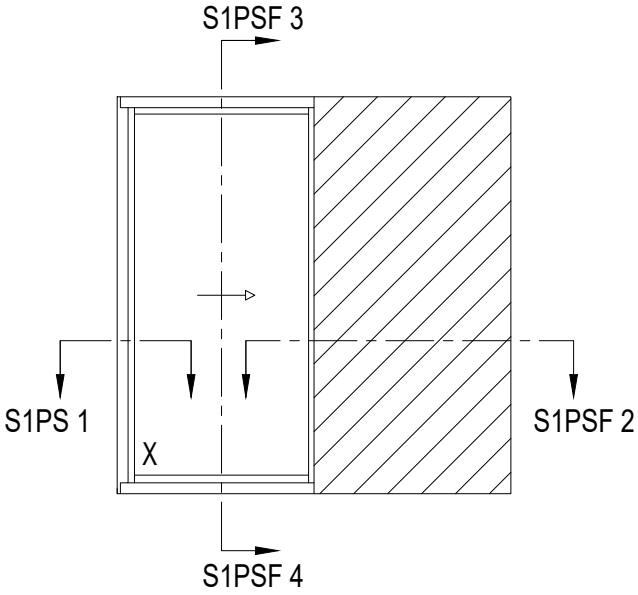
* Assembly before sawing

		#
052.5325.--		16
052.5300.--		min. 8
021.6002.07		4
021.5699.--**		2
024.5618.SY		2
024.5623.SY		2
024.5621.SY		2
024.5619.SY		1
062.7142.04		1
062.7147.SY		1
069.6830.04		2
069.6831.04		min. 2
029.5044.SY		B + 2H
029.5655.04		2B + 2H
081.9098.07		2H
081.9130.SY		4H + 4B
062.9323.04		2
080.9729.04		4
069.5660.04		4
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
024.5642.04		2
024.5605.04		12
062.7715.XX		4
050.5055.--		4
065.6555.04		2
069.5653.SY		1
069.8422.04		3
069.5675.04		1

** See 47J.F. ...
*** See 47J.F. ...

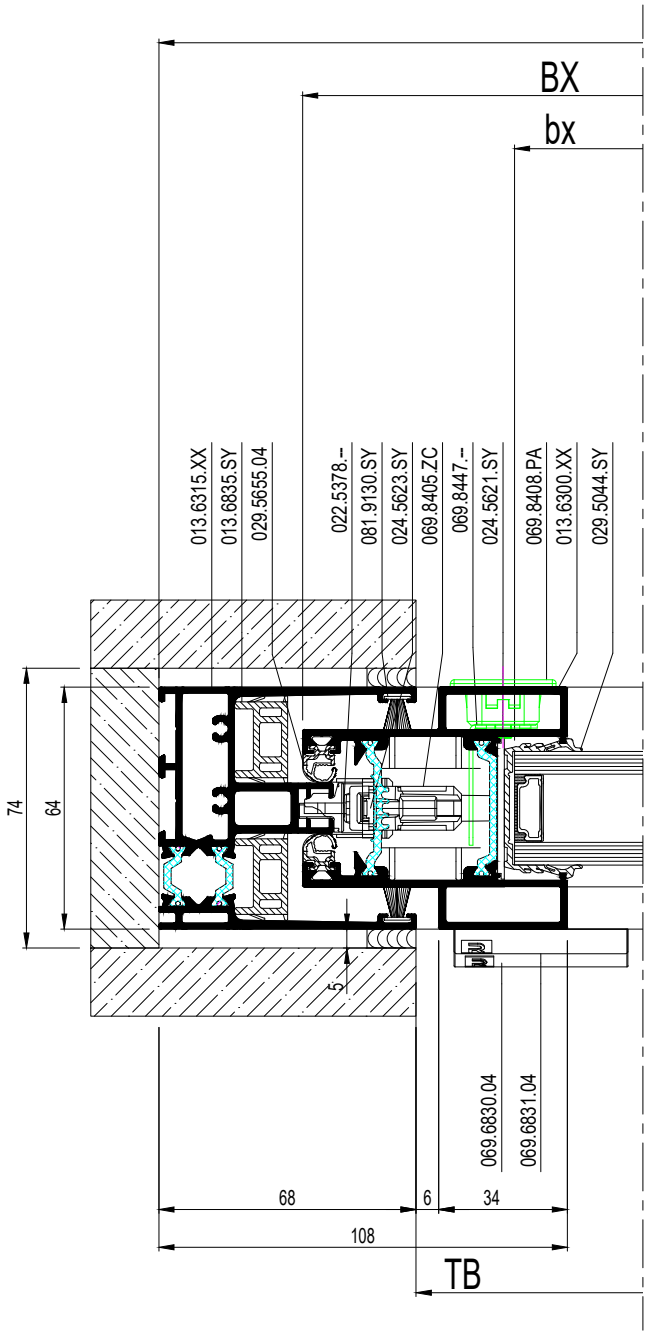
E

schaal - échelle
scale - Maßstab
1/2



B = TB*2+172
BX = TB+30
bx = BX-76
HX = H-94
hx = HX-96.4

S1PS 1



schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6315.XX			2	H
			1	B-42
013.6314.XX			1	B-42
013.6835.SY			2	H-86
			4	B/2-72
013.5312.XX			2	B/2-127
013.6300.XX			1	H-94
006.1075.--			1	B-92
013.6302.XX			1	H-94
013.5328.SY			1	H-160
013.6330.XX			1	H-136
013.6332.XX			1	H-136
013.6333.XX			1	H-136
013.6328.XX			1	H-136

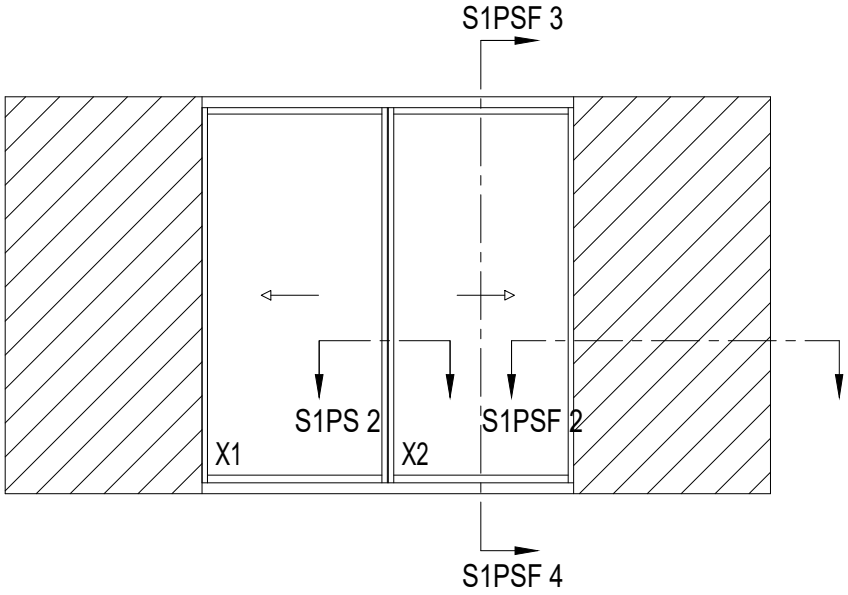
* Assembly before sawing

		#
052.5325.--		16
052.5300.--		min. 8
021.6002.07		4
021.5699.--**		2
024.5618.SY		2
024.5623.SY		2
024.5621.SY		2
024.5619.SY		1
062.7142.04		1
062.7147.SY		1
069.6830.04		2
069.6831.04		min. 2
029.5044.SY		B + 2H
029.5655.04		2B + 2H
081.9098.07		2H
081.9130.SY		4H + 4B
062.9323.04		2
080.9729.04		4
069.5660.04		6
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
024.5642.04		2
024.5605.04		12
062.7715.XX		1
050.5055.--		1
065.6555.04		2
069.5653.SY		1
069.8422.04		3
069.5675.04		1

** See 47J.F. ...
*** See 47J.F. ...

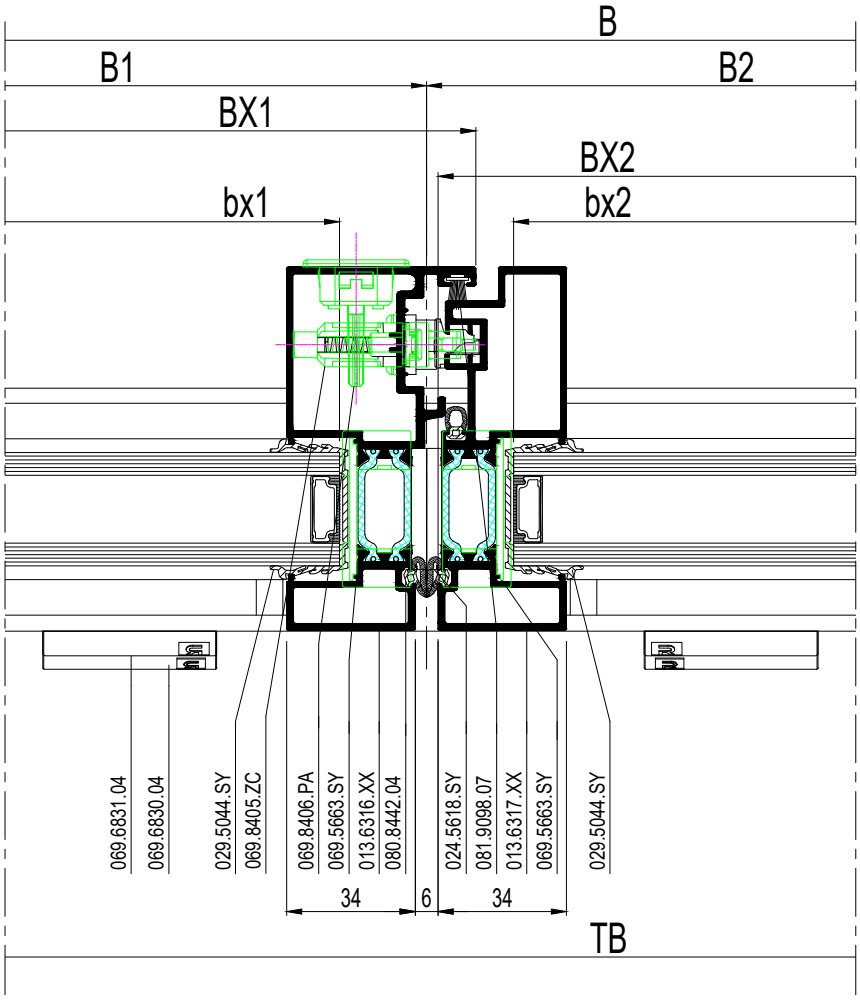
E

schaal - échelle
scale - Maßstab
1/2



B = TB*2+64
BX1 = TB/2+13
BX2 = TB/2-3
bx1 = BX1-56
bx2 = BX2-40
HX = H-94
hx = HX-96.4
BX1 = BX2+16

S1PS 2



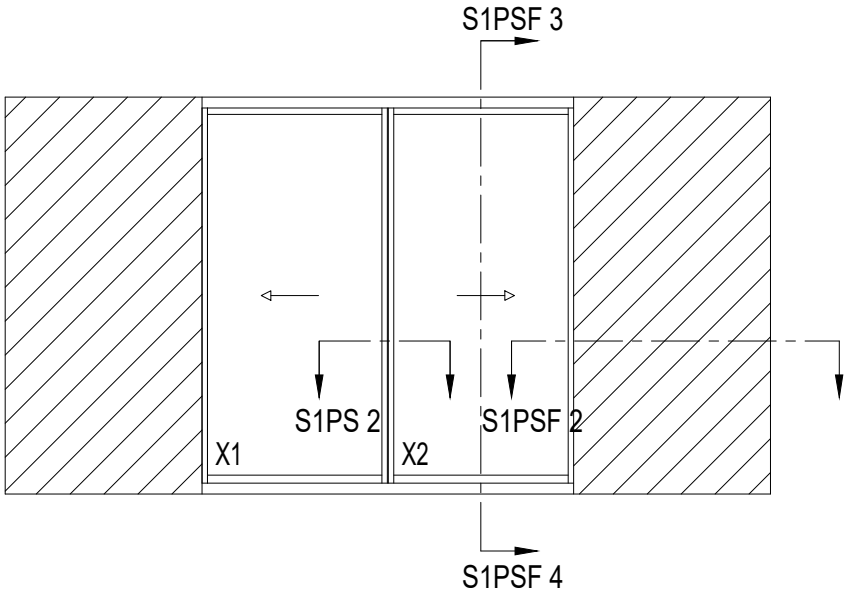
schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6315.XX			2	H
			1	B-42
013.6314.XX			1	B-42
013.6835.SY			4	B1+B2-68
013.5312.XX			4	B/4-54
006.1075.--			1	B-92
013.6302.XX			2	H-94
013.5328.SY			2	H-160
013.6316.XX			1	H-94
013.6317.XX			1	H-94
013.6330.XX			2	H-136
013.6332.XX			2	H-136
013.6333.XX			2	H-136
013.6328.XX			2	H-136

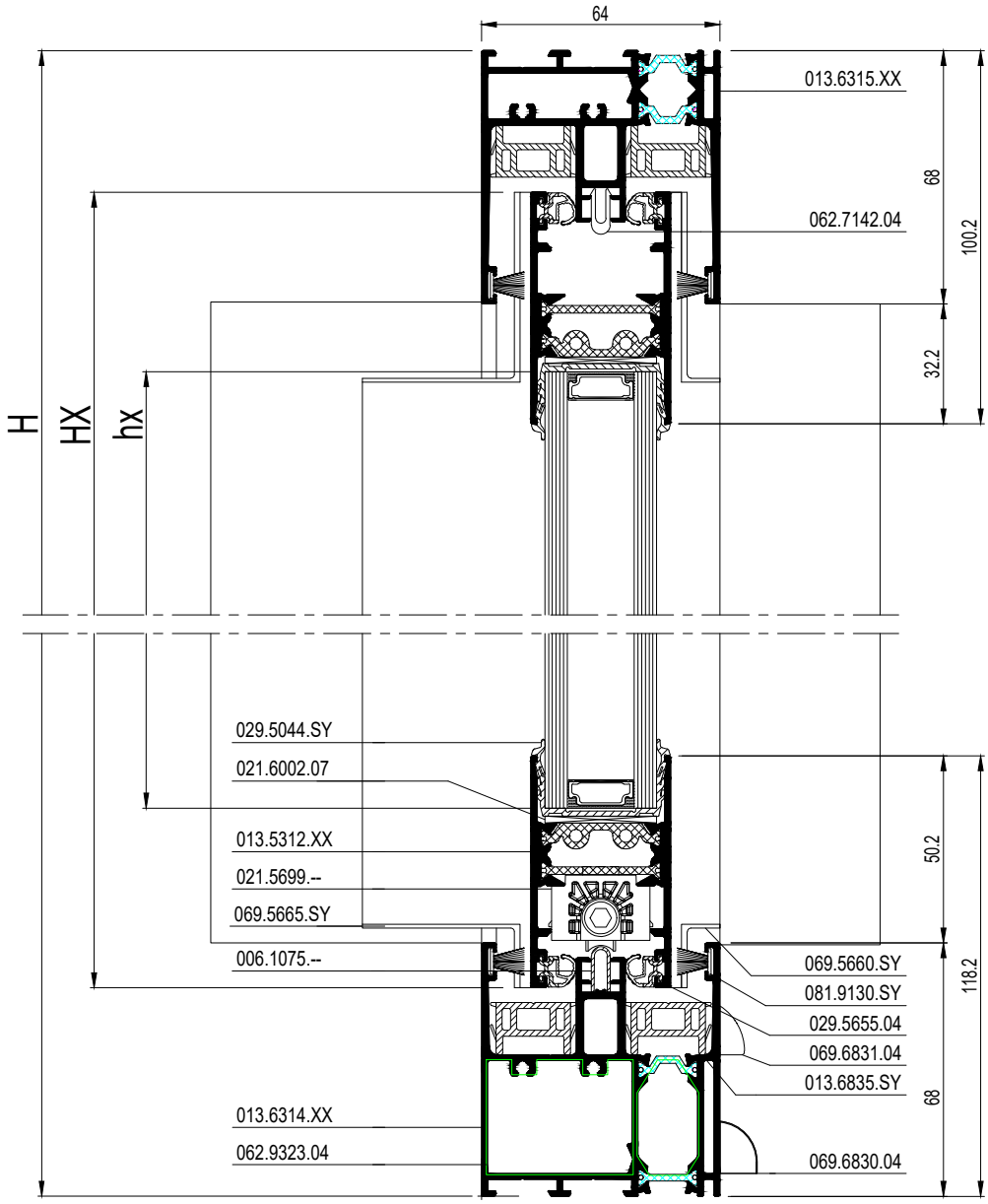
* Assembly before sawing

E

schaal - échelle
scale - Maßstab
1/2



S1PS 3



S1PS 4

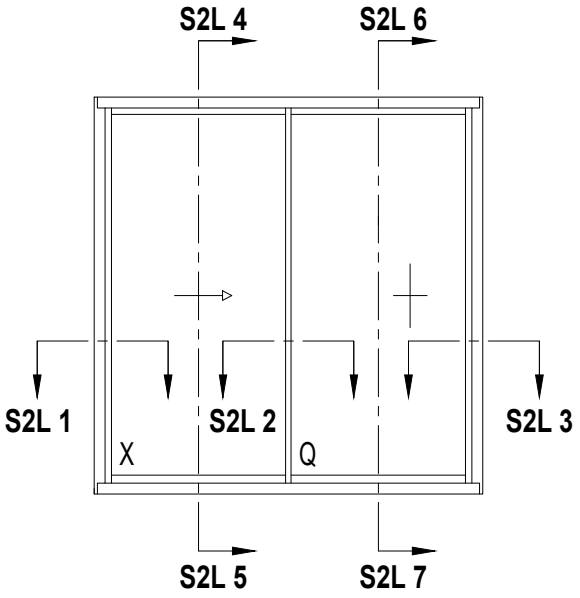
schaal - échelle
scale - Maßstab
1/2

		#
052.5325.--		24
052.5300.--		min. 16
021.6002.07		8
021.5699.--**		4
024.5618.SY		8
024.5619.SY		2
069.5663.SY		4
062.7142.04		3
069.6830.04		4
069.6831.04		min. 4
029.5044.SY		B + 4H
029.5655.04		2B
080.8442.04		3H
081.9098.07		5H
081.9130.SY		4H + 4B
062.9323.04		2
080.9729.04		4
069.5660.04		8
069.5665.SY		1
069.8405.ZC***		1
022.5378.--***		1
069.8406.PA		1
024.5642.04		4
024.5605.04		24
062.7715.XX		2
050.5055.--		2
065.6555.04		4
069.5653.SY		1
069.8422.04		6
069.5675.04		3

** See 47J.F. ...
*** See 47J.F. ...

E

schaal - échelle
scale - Maßstab
1/2



			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B1-65
			1	B2-65
013.5385.SY			1	B1-59
			1	B2-59
013.6835.SY			1	H-86
			2	B-40
013.6305.XX			1	B1-92.5
013.6306.XX			2	H-88
			1	B1-92.5
006.1075.--			1	B-92
			1	B2-25
013.6310.XX			2	H-94
013.6307.XX			2	H-94*
013.5329.SY			2	H-94*
013.5313.XX			2	B1-92.5
			2	B2-92.5

* Assembly before sawing

E

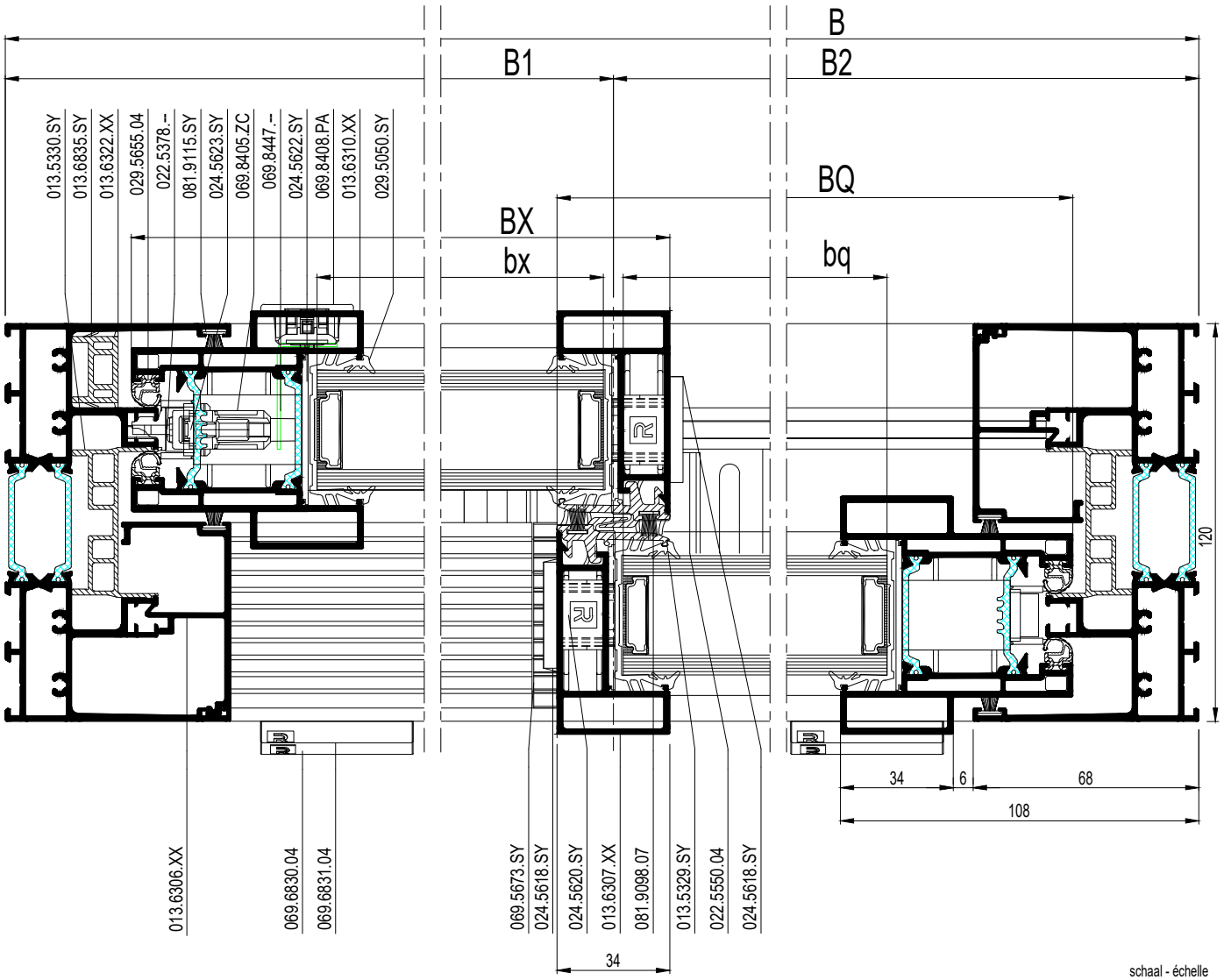
schaal - échelle
scale - Maßstab
1/2

BX = B1-21.5
BQ = B2-21.5
HX = H-94
HQ = H-94
bx= BX-76
bq = BQ-76
hx = HX-96.4
hq = HQ-96.4

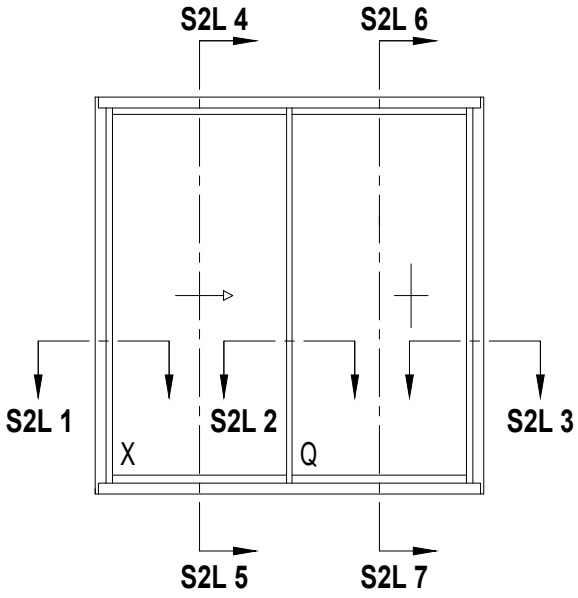
S2L 1

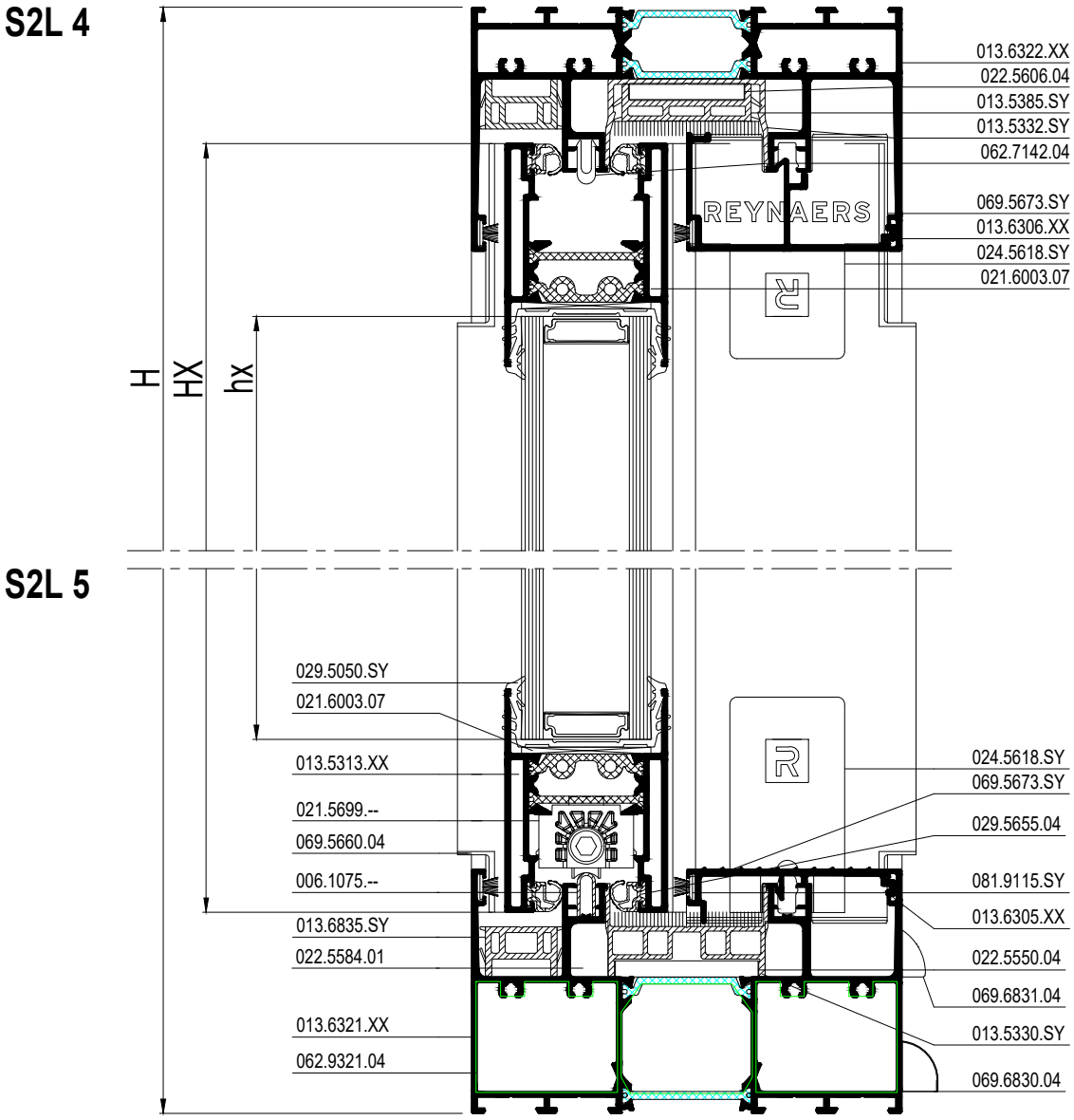
S2L 2

S2L 3



schaal - échelle
scale - Maßstab
1/2

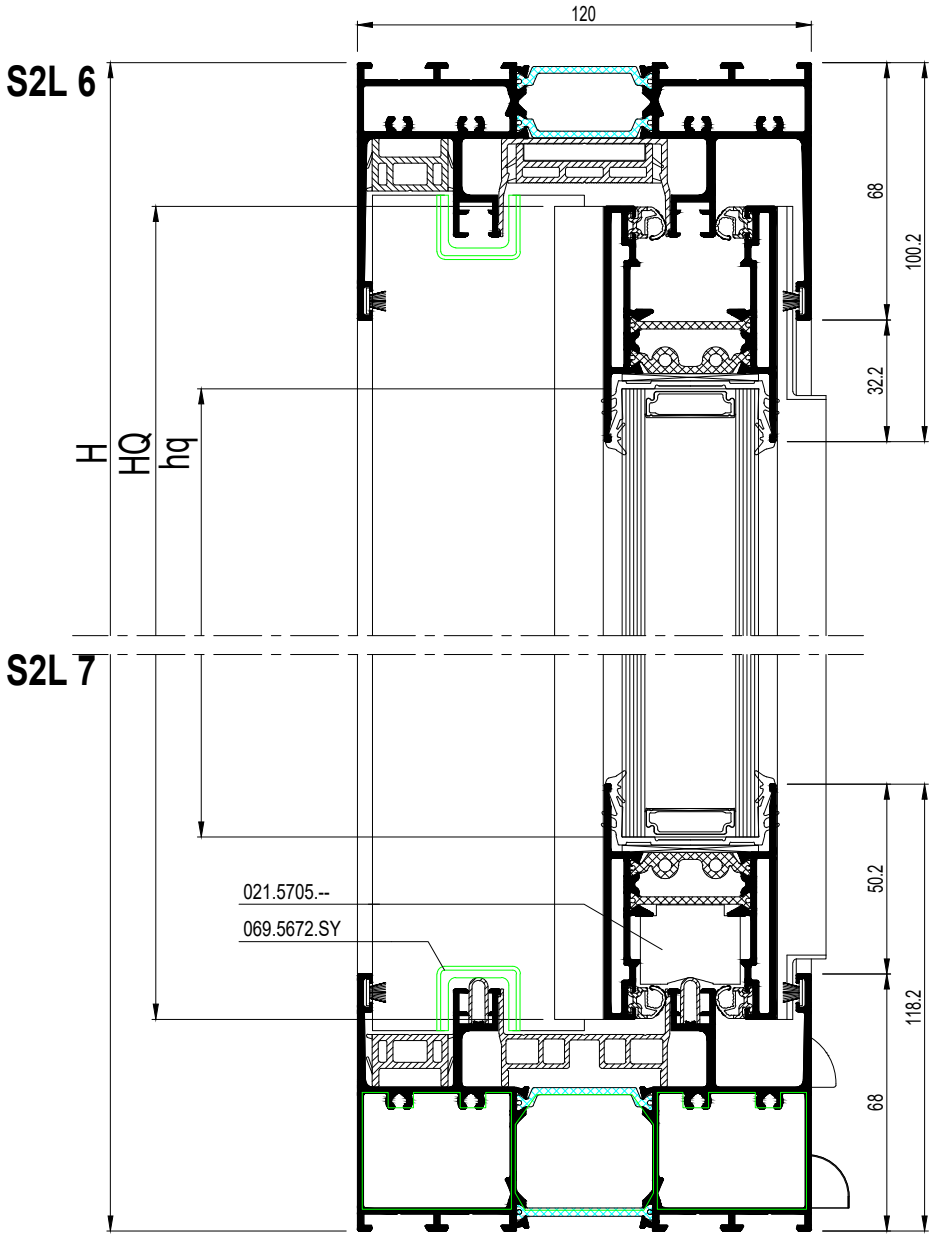




schaal - échelle
scale - Maßstab
1/2

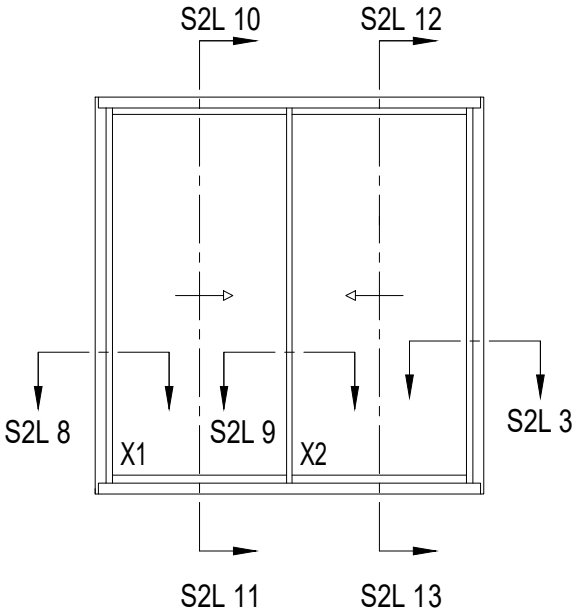
		#
052.5325.--		32
021.6003.07		8
021.5699.--**		2
024.5618.SY		4
069.5673.SY		1
022.5550.04		1
022.5606.04		1
024.5623.SY		4
024.5622.SY		4
024.5620.SY		2
062.7142.04		1
062.7147.SY		1
022.5584.01		2
069.6830.04		4
069.6831.04		min. 4
029.5050.SY		2B + 4H
029.5655.04		4B + 4H
081.9098.07		2H
081.9115.SY		4H + 4B
021.5705.--		2
022.5418.04		1
062.9321.04		2
080.9727.04		4
069.5660.04		10
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
024.5642.04		2
024.5605.04		24
069.5672.SY		2
062.7715.XX		1
050.5055.--		1
065.6555.04		2
069.5653.SY		2

** See 47J.F. ...
*** See 47J.F. ...



schaal - échelle
scale - Maßstab
1/2

E



			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B1-65
			1	B2-65
013.5385.SY			1	B1-59
			1	B2-59
013.6835.SY			2	H-86
			2	B-40
013.6306.XX			2	H-88
006.1075.--			2	B-92
013.6310.XX			2	H-94
013.6307.XX			2	H-94*
013.5329.SY			2	H-94*
013.5313.XX			2	B1-92.5
			2	B2-92.5

* Assembly before sawing

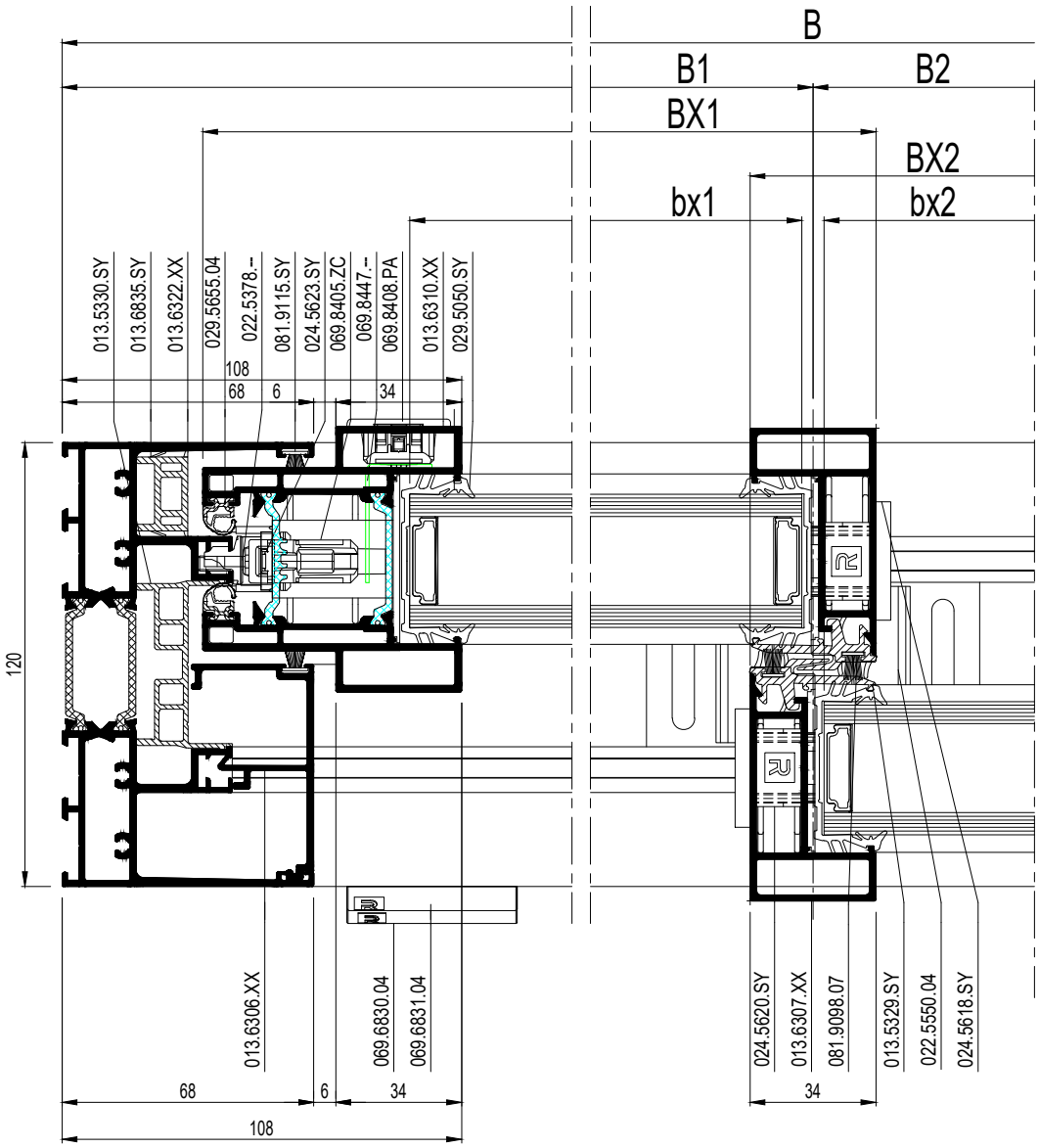
E

schaal - échelle
scale - Maßstab
1/2

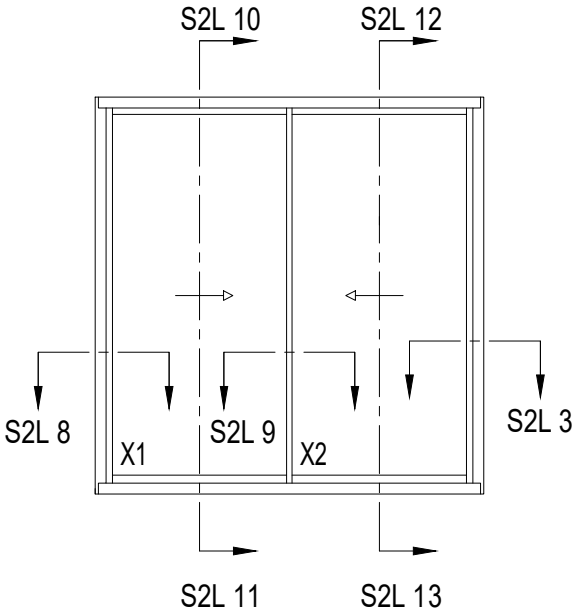
BX1 = B1-21.5
BX2 = B2-21.5
HX1 = H-94
HX2 = H-94
bx1= BX1-76
bx2 = BX2-76
hx1 = HX1-96.4
hx2 = HX2-96.4

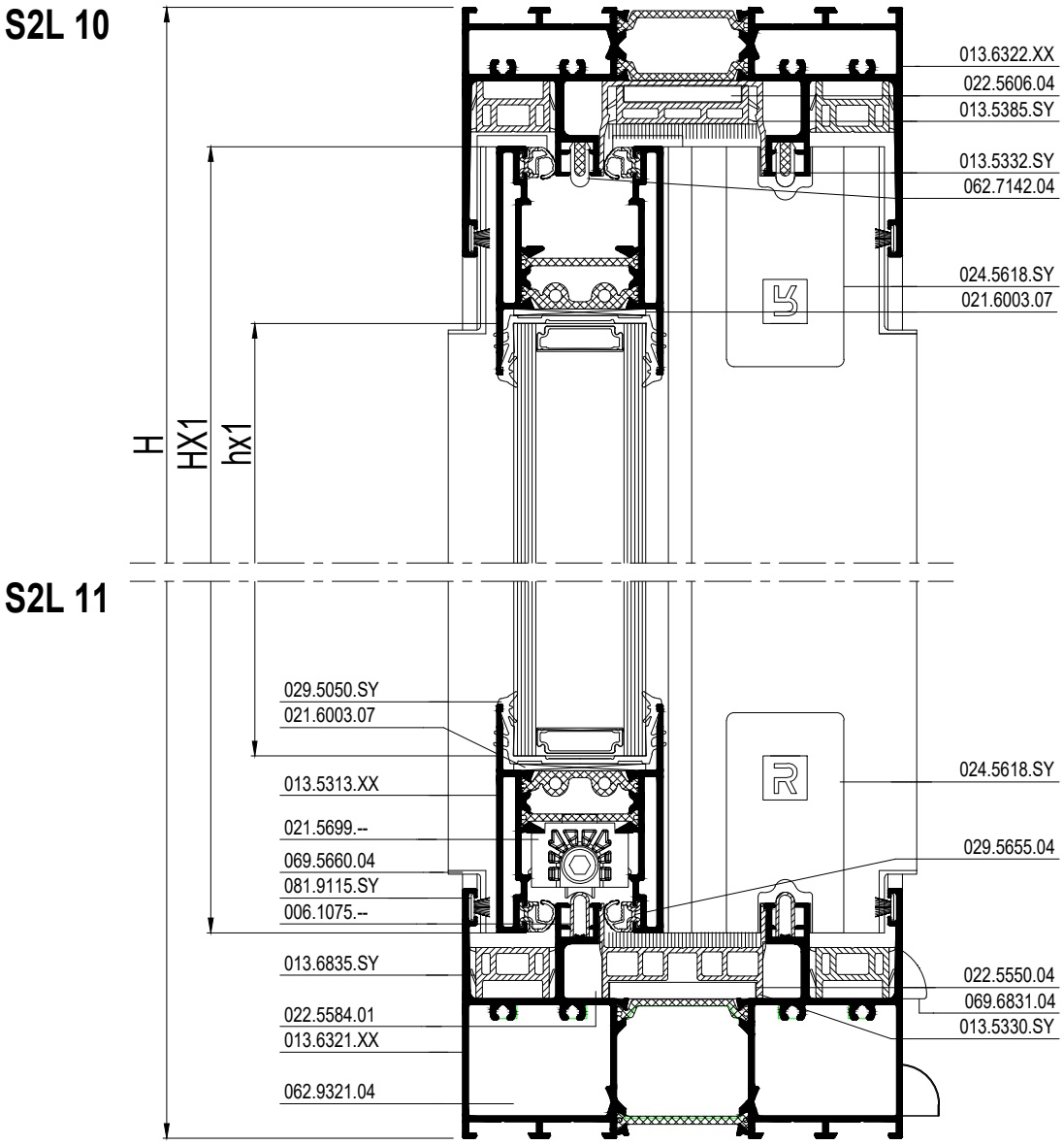
S2L 8

S2L 9



schaal - échelle
scale - Maßstab
1/2





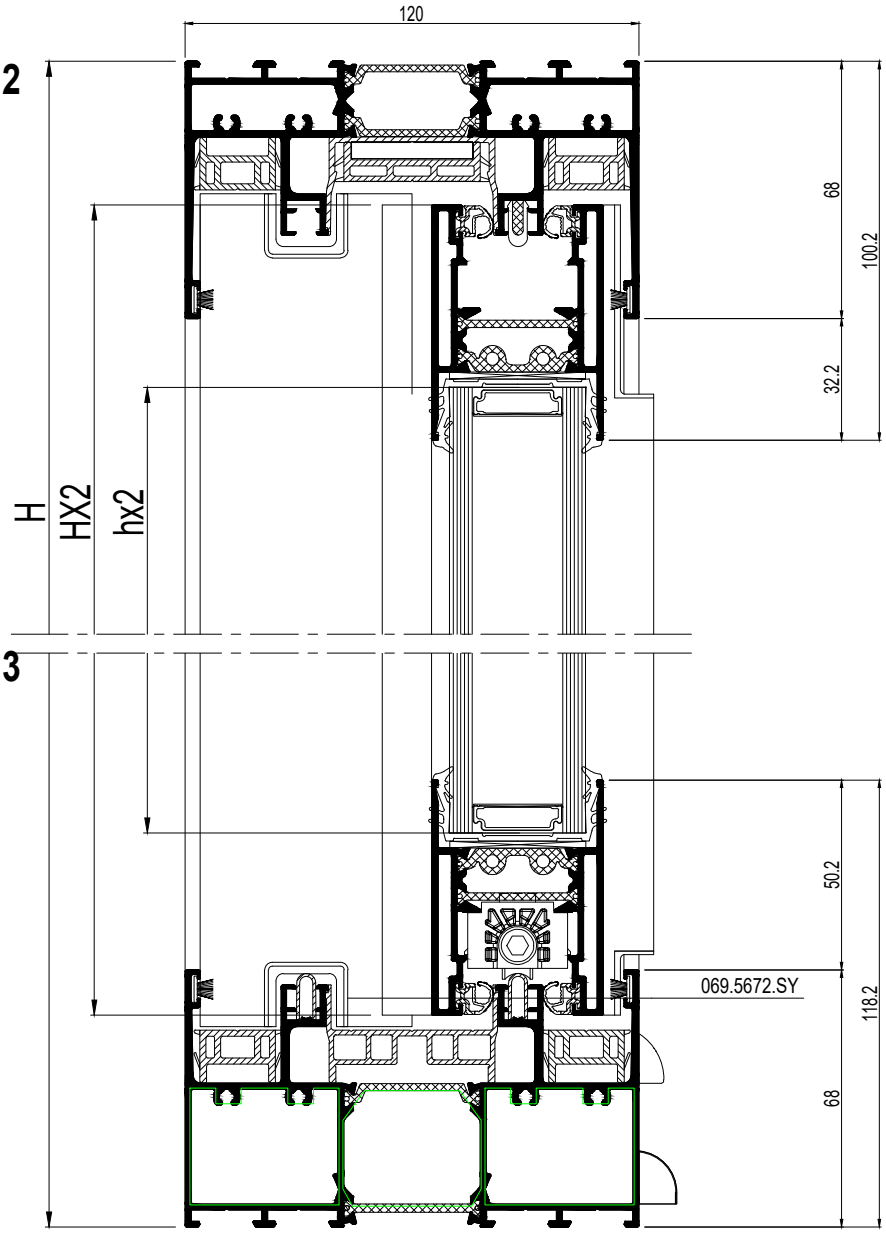
schaal - échelle
scale - Maßstab
1/2

		#
052.5325.--		32
021.6003.07		8
021.5699.--**		4
024.5618.SY		4
022.5550.04		1
022.5606.04		1
024.5623.SY		4
024.5622.SY		4
024.5620.SY		2
062.7142.04		2
062.7147.SY		2
022.5584.01		2
069.6830.04		4
069.6831.04		min. 4
029.5050.SY		2B + 4H
029.5655.04		4B + 4H
081.9098.07		2H
081.9115.04		4H + 4B
062.9321.04		2
080.9727.04		4
069.5660.04		8
069.8405.ZC***		2
022.5378.--***		2
069.8447.--		2
069.8408.PA		2
069.5672.SY		4
062.7715.XX		2
050.5055.--		2
024.5605.04		24
065.6555.04		2
069.5653.SY		2

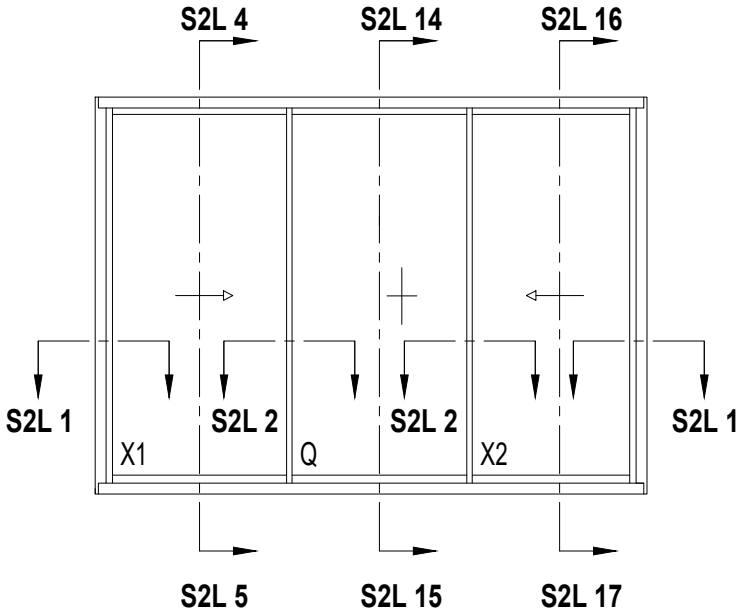
** See 47J.F. ...
*** See 47J.F. ...

S2L 12

S2L 13



schaal - échelle
scale - Maßstab
1/2



			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B1-65
			1	B2-90
			1	B3-65
013.5385.SY			1	B1-59
			1	B2-50
			1	B3-59
013.6835.SY			2	H-86
			2	B-40
013.6835.SY			1	B1-93
			1	B3-93
013.6306.XX			2	H-88
			1	B1-93
			1	B3-93
006.1075.--			1	B-92
			1	B2+42
013.6310.XX			2	H-94
013.6307.XX			4	H-94*
013.5329.SY			4	H-94*
013.5313.XX			2	B1-92.5
			2	B2-1.5
			2	B3-92.5

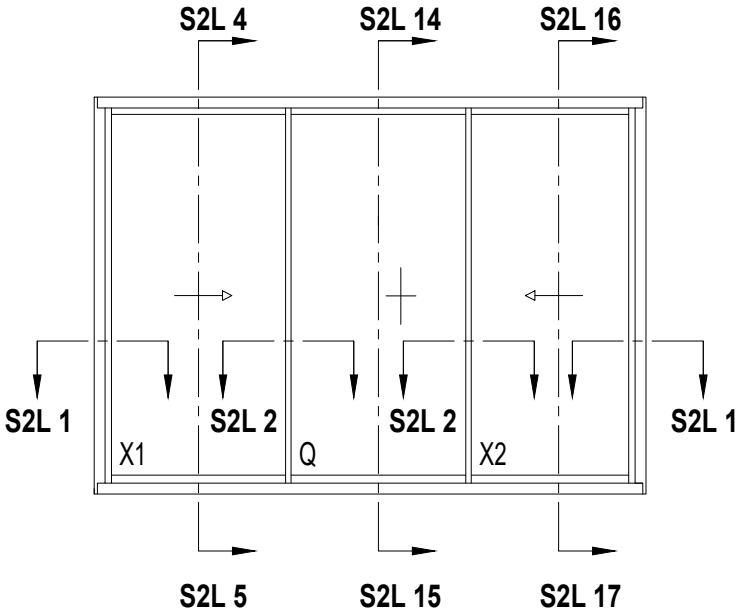
* Assembly before sawing

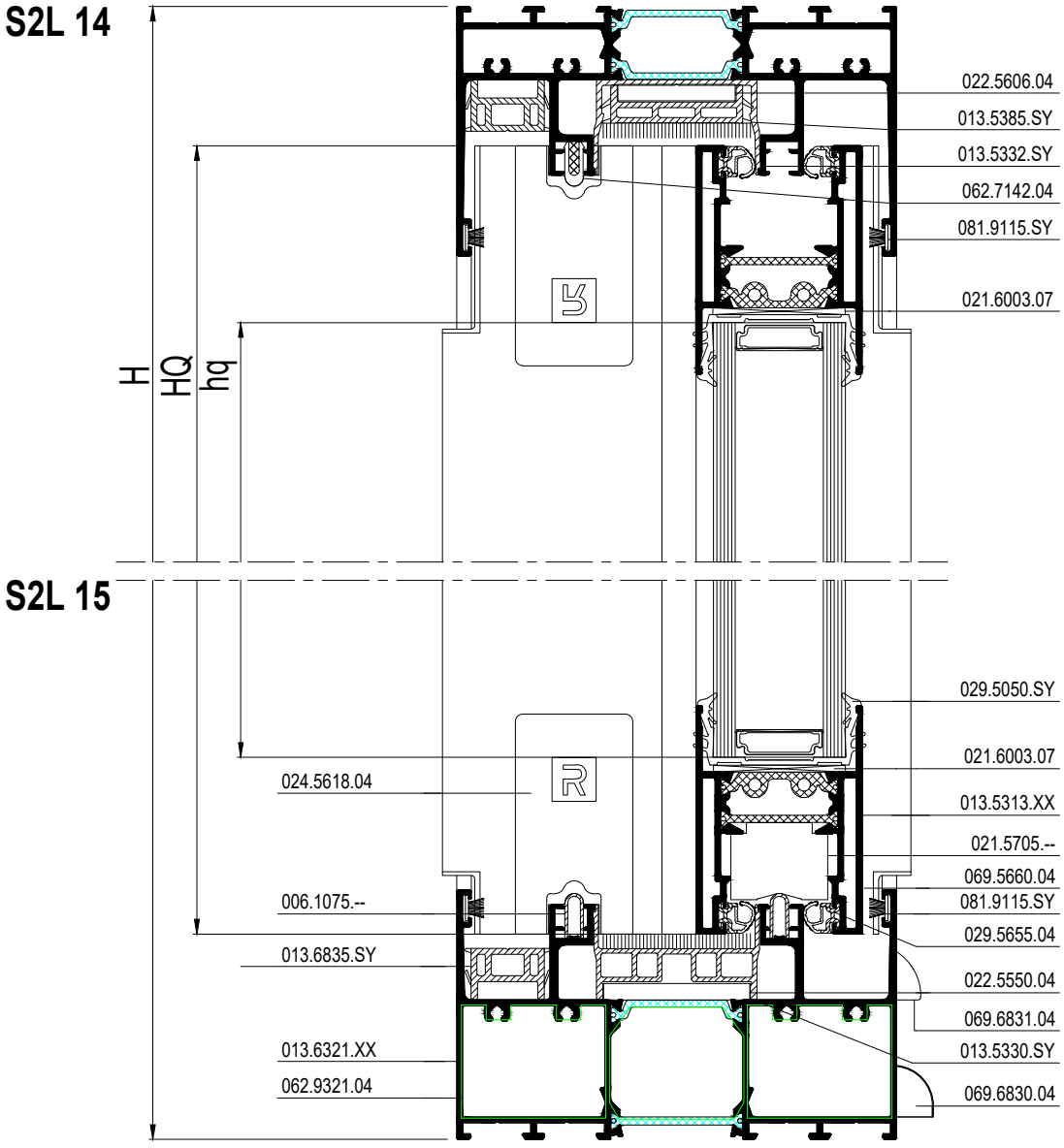
E

schaal - échelle
scale - Maßstab
1/2

BX1 = B1-21.5
BQ = B2+33.5
BX2 = B3-21.5
HX1 = H-94
HQ = H-94
HX2 = H-94
bx1= BX1-76
bq= BQ-40
bx2 = BX2-76
hx1 = HX1-96.4
hq = HQ-96.4
hx2 = HX2-96.4

schaal - échelle
scale - Maßstab
1/2

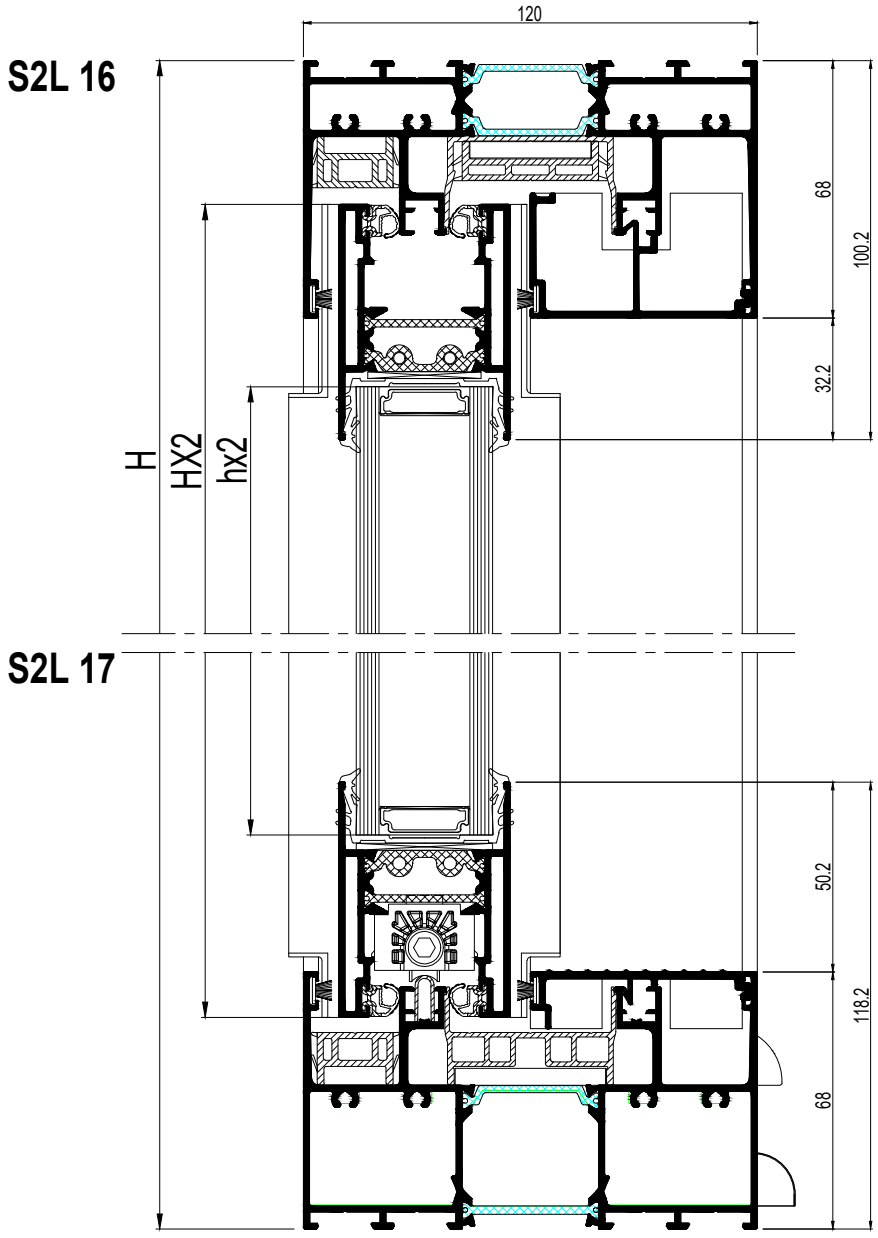




schaal - échelle
scale - Maßstab
1/2

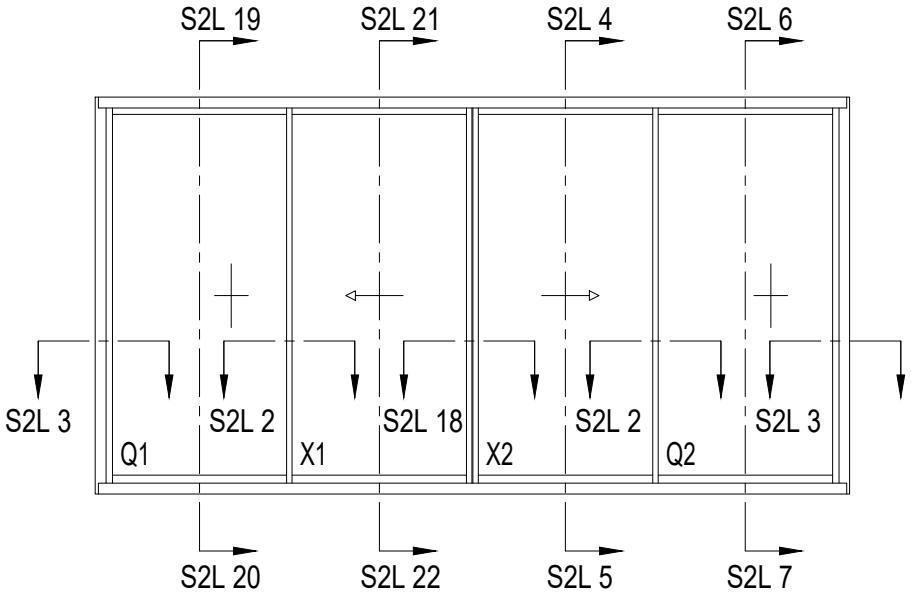
		#
052.5325.--		40
021.6003.07		12
021.5699.--**		4
021.5705.--		2
024.5618.SY		8
069.5673.SY		2
022.5550.04		2
022.5606.04		2
024.5623.SY		4
024.5622.SY		4
024.5620.SY		4
062.7142.04		2
062.7147.SY		2
022.5584.01		4
069.6830.04		6
069.6831.04		min. 6
029.5050.SY		2B + 6H
029.5655.04		4B + 4H
081.9098.07		4H
081.9115.SY		4H + 4B
022.5418.04		2
062.9321.04		2
080.9727.04		4
069.5660.04		16
069.8405.ZC***		2
022.5378.--***		2
069.8447.--		2
069.8408.PA		2
024.5605.04		36
065.6555.04		2
069.5653.SY		2

** See 47J.F. ...
*** See 47J.F. ...



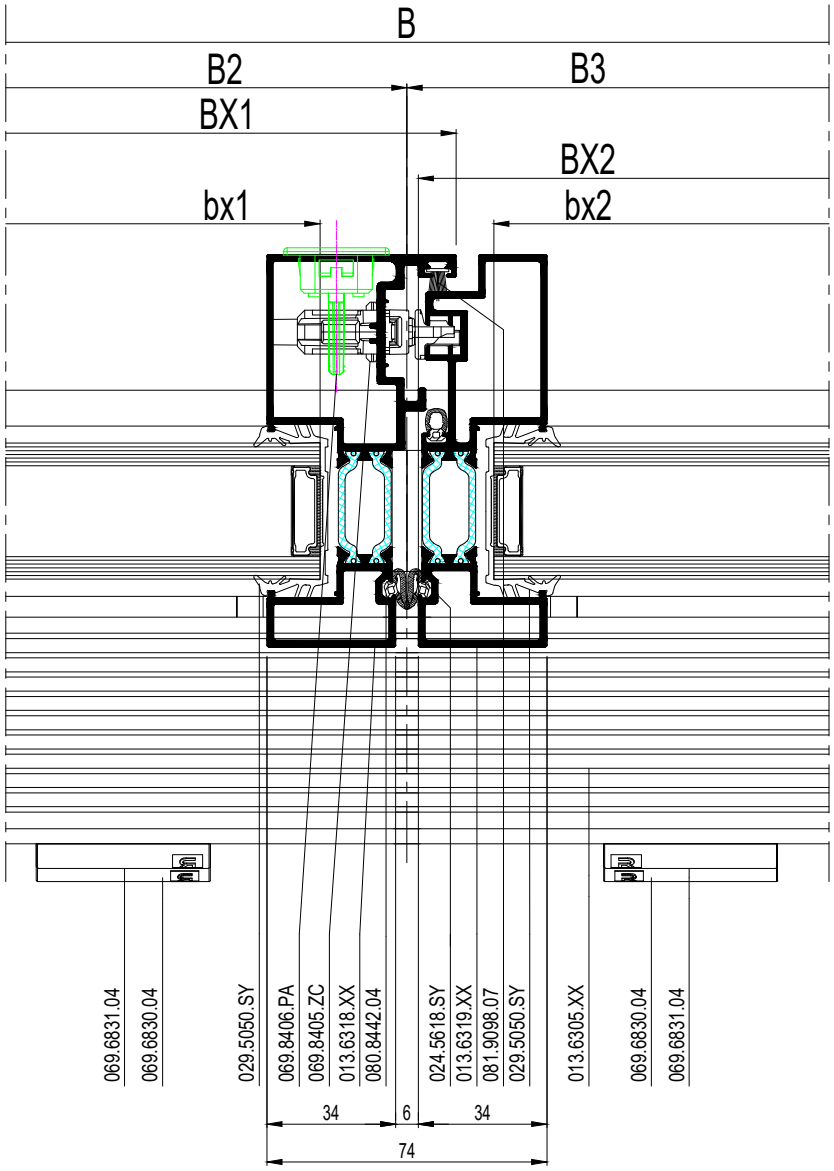
schaal - échelle
scale - Maßstab
1/2

E



BQ1 = B1-21.5	HQ1 = H-94
BX1 = B2+29.5	HX1 = H-94
BX2 = B3+13.5	HX2 = H-94
BQ2 = B4-21.5	HQ2 = H-94
bq1 = BQ1-76	hq1 = HQ1-96.4
bx1= BX1-56	hx1 = HX1-96.4
bx2= BX2-40	hx2 = HX2-96.4
bq2 = BQ2-76	hq2 = HQ2-96.4

S2L 18



schaal - échelle
scale - Maßstab
1/2

E

			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B1-65
			1	B2-90
			1	B3-90
			1	B4-65
013.5385.SY			1	B1-59
			1	B2-50
			1	B3-50
			1	B4-59
013.6835.SY			2	B-40
013.6305.XX			1	B2+B3-49
013.6306.XX			2	H-88
			1	B2+B3-49
006.1075.--			1	B-92
			1	B1-25
			1	B4-25
013.6310.XX			2	H-94
013.6307.XX			4	H-94*
013.5329.SY			4	H-94*
013.5313.XX			2	B1-92.5
			2	B2-21.5
			2	B3-21.5
			2	B4-92.5
013.6318.XX			1	H-94
013.6319.XX			1	H-94

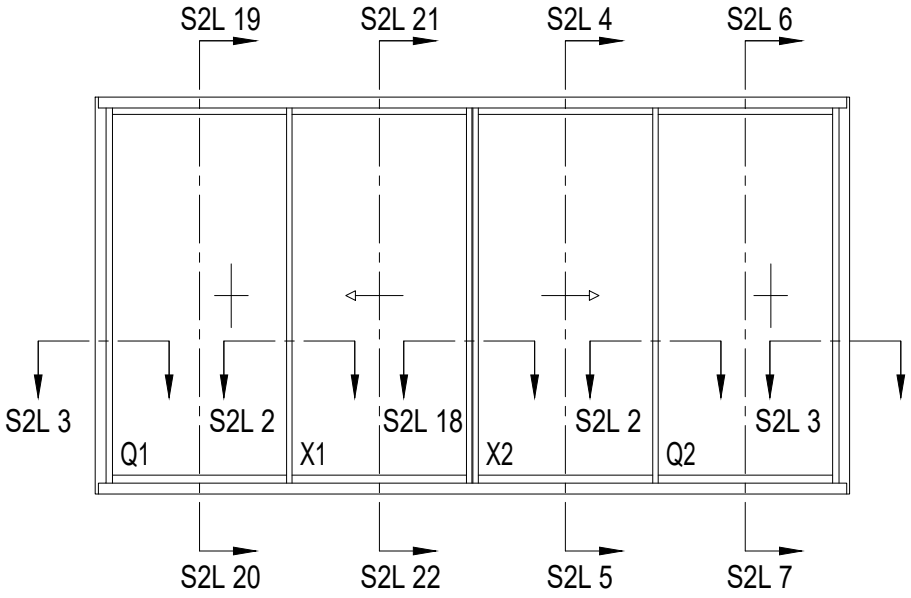
* Assembly before sawing

		#
052.5325.--		48
021.6003.07		16
021.5699.--**		4
024.5618.SY		12
069.5673.SY		2
022.5550.04		3
022.5606.04		3
024.5623.SY		4
024.5622.SY		4
069.5663.SY		4
024.5620.SY		4
062.7142.04		3
022.5584.01		6
069.6830.04		8
069.6831.04		min. 8
029.5050.SY		2B + 8H
029.5655.04		4B + 4H
081.9098.07		5H
081.9115.SY		4B + 4H
021.5705.--		4
022.5418.04		2
062.9321.04		2
080.9727.04		4
069.5660.SY		16
069.5665.04		1
069.8405.ZC***		1
022.5378.--***		1
069.8406.PA		1
080.8442.04		3H
062.7715.XX		2
050.5055.--		2
024.5642.04		4
024.5605.04		48
069.5672.SY		4
065.6555.04		2
069.5653.SY		2

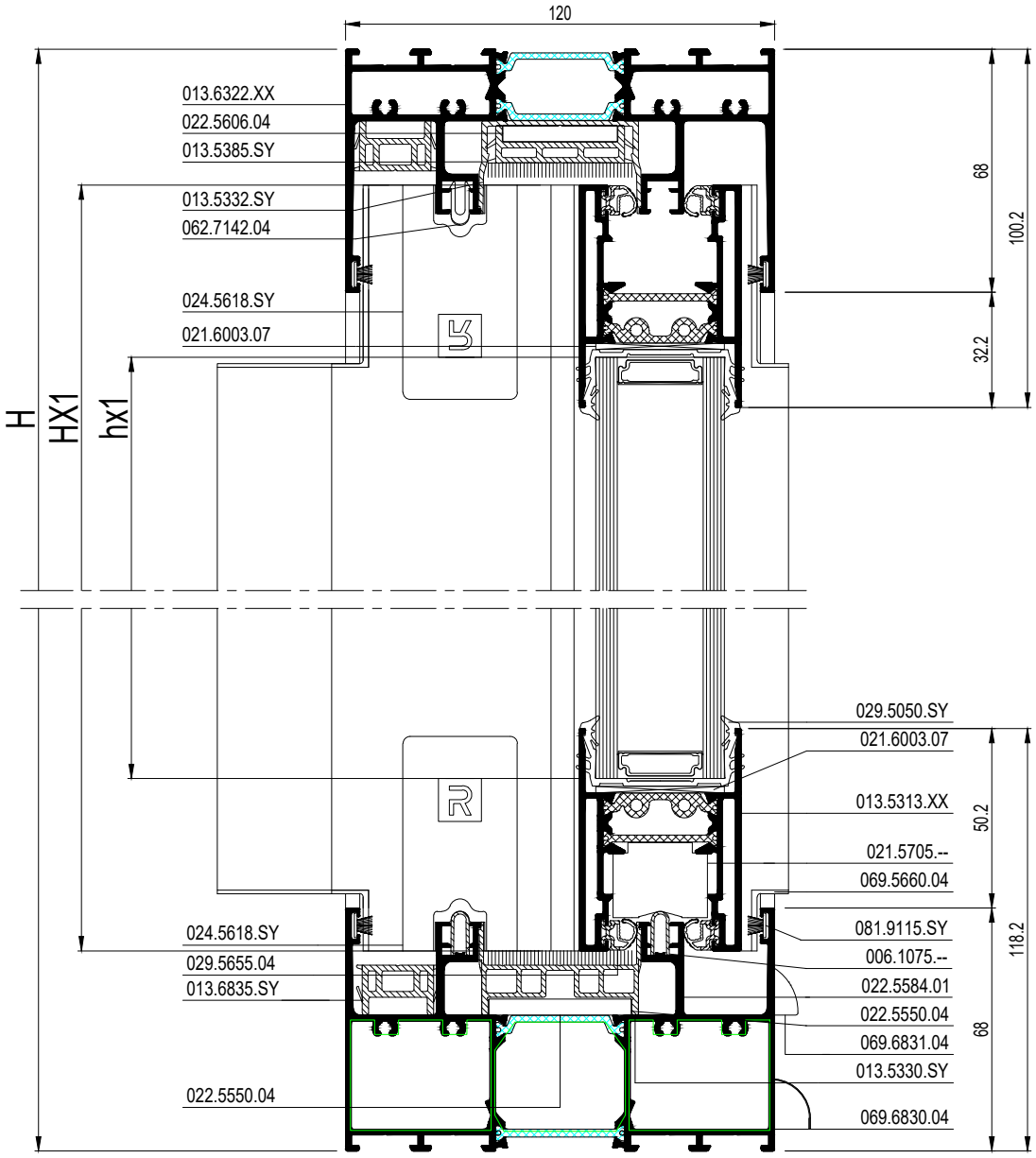
** See 47J.F. ...
*** See 47J.F. ...

E

schaal - échelle
scale - Maßstab
1/2



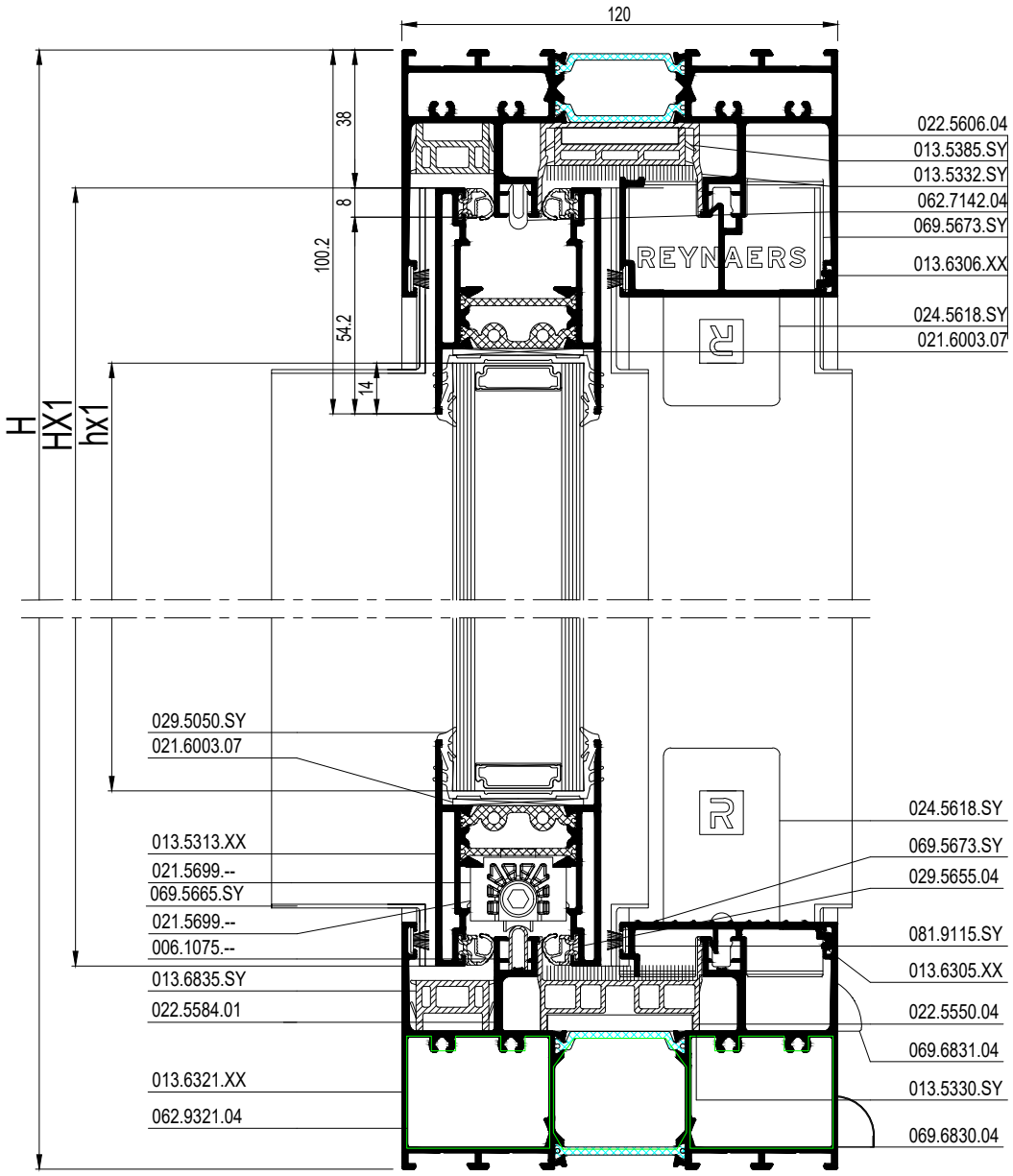
S2L 19



S2L 20

schaal - échelle
scale - Maßstab
1/2

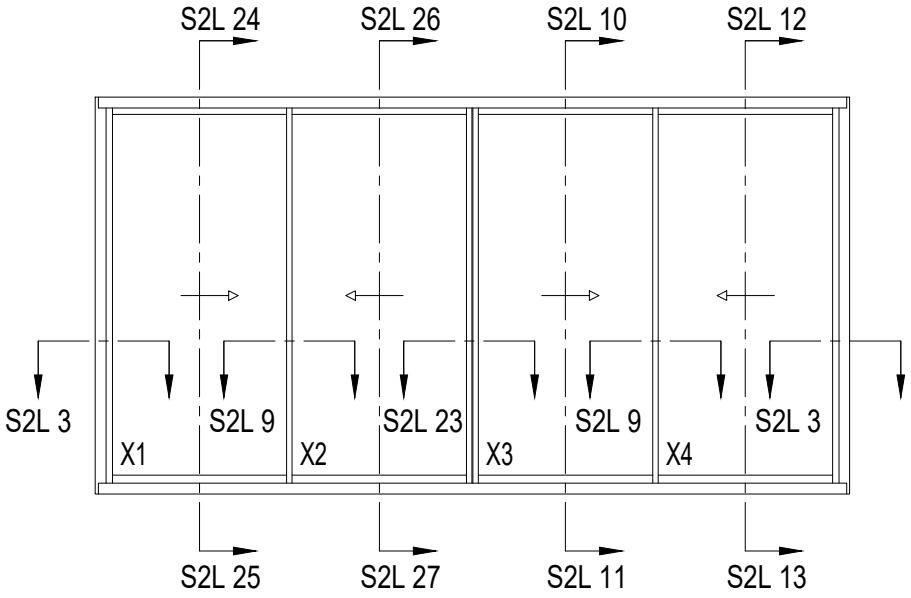
S2L 21



S2L 22

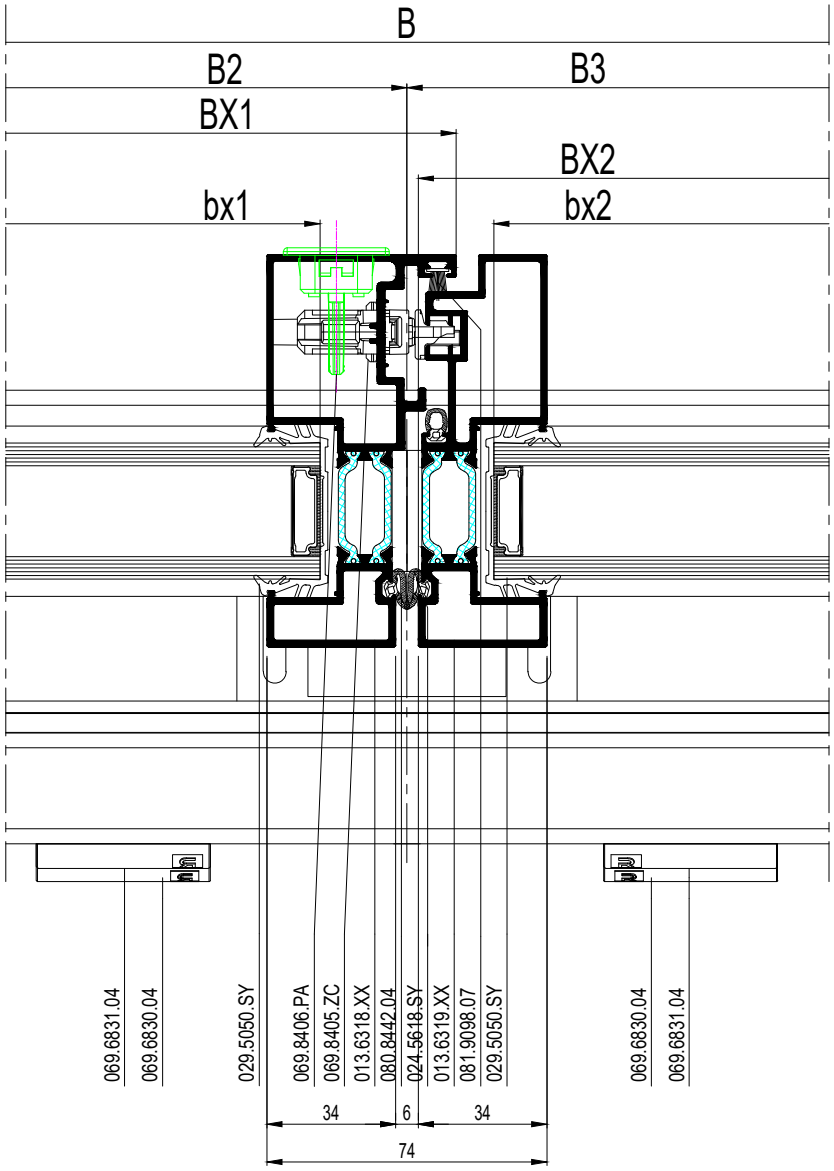
schaal - échelle
scale - Maßstab
1/2

E



BX1 = B1-21.5	HX1 = H-94
BX2 = B2+29.5	HX2 = H-94
BX3 = B3+13.5	HX3 = H-94
BX4 = B4-21.5	HX4 = H-94
bx1 = BX1-76	hx1 = HX1-96.4
bx2= BX2-56	hx2 = HX2-96.4
bx3= BX3-40	hx3 = HX3-96.4
bx4 = BX4-76	hx4 = HX4-96.4

S2L 23



schaal - échelle
scale - Maßstab
1/2

E

			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B1-65
			1	B2-90
			1	B3-90
			1	B4-65
013.5385.SY			1	B1-59
			1	B2-50
			1	B3-50
			1	B4-59
013.6835.SY			4	B-40
			2	H-86
013.6306.XX			2	H-88
006.1075.--			2	B-92
013.6310.XX			2	H-94
013.6307.XX			4	H-94*
013.5329.SY			4	H-94*
013.5313.XX			2	B1-92.5
			2	B2-21.5
			2	B3-21.5
			2	B4-92.5
013.6318.XX			1	H-94
013.6319.XX			1	H-94

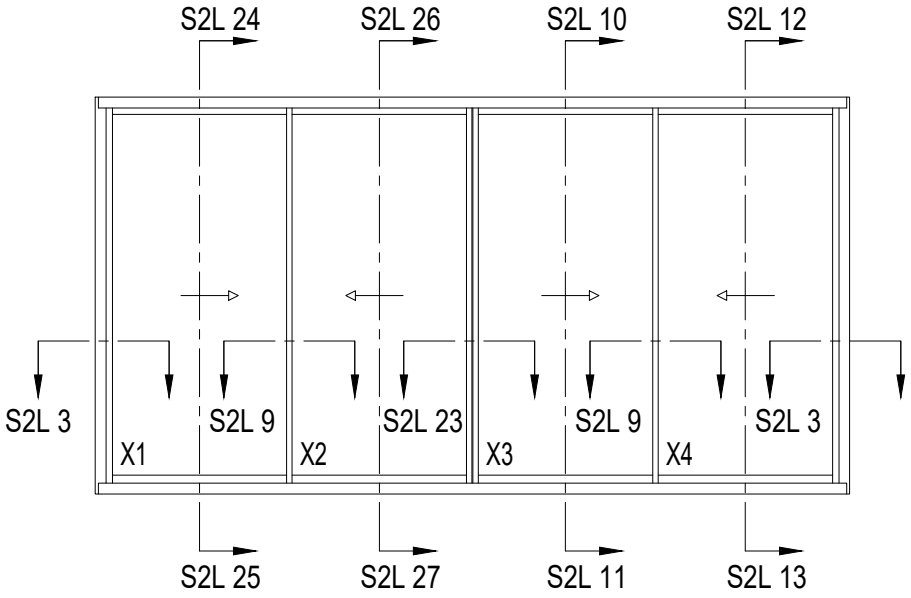
* Assembly before sawing

		#
052.5325.--		48
021.6003.07		16
021.5699.--**		8
024.5618.SY		12
022.5550.04		3
022.5606.04		3
024.5623.SY		4
024.5622.SY		4
069.5663.SY		4
024.5620.SY		4
062.7142.04		5
062.7147.SY		2
022.5584.01		6
069.6830.04		8
069.6831.04		min. 8
029.5050.SY		2B + 8H
029.5655.04		4B + 4H
081.9098.07		5H
081.9115.SY		4B + 4H
062.9321.04		2
080.9727.04		4
069.5660.SY		12
069.5665.04		1
069.8405.ZC***		3
022.5378.--***		3
069.8447.--		2
069.8406.PA		1
069.8408.PA		2
080.8442.04		3H
062.7715.XX		4
050.5055.--		4
024.5605.04		48
069.5672.SY		4
065.6555.04		2
069.5653.SY		2

** See 47J.F. ...
*** See 47J.F. ...

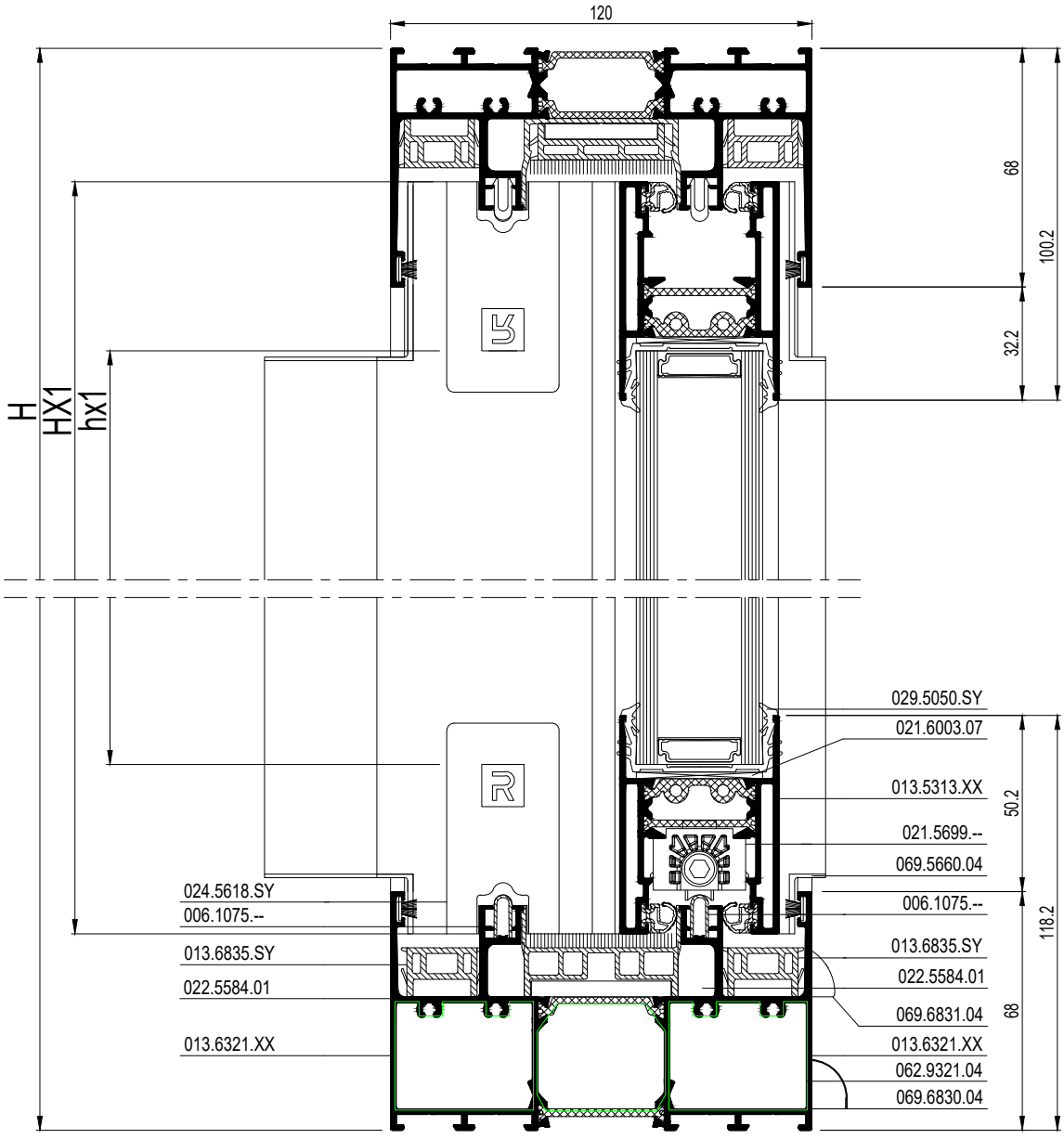
E

schaal - échelle
scale - Maßstab
1/2



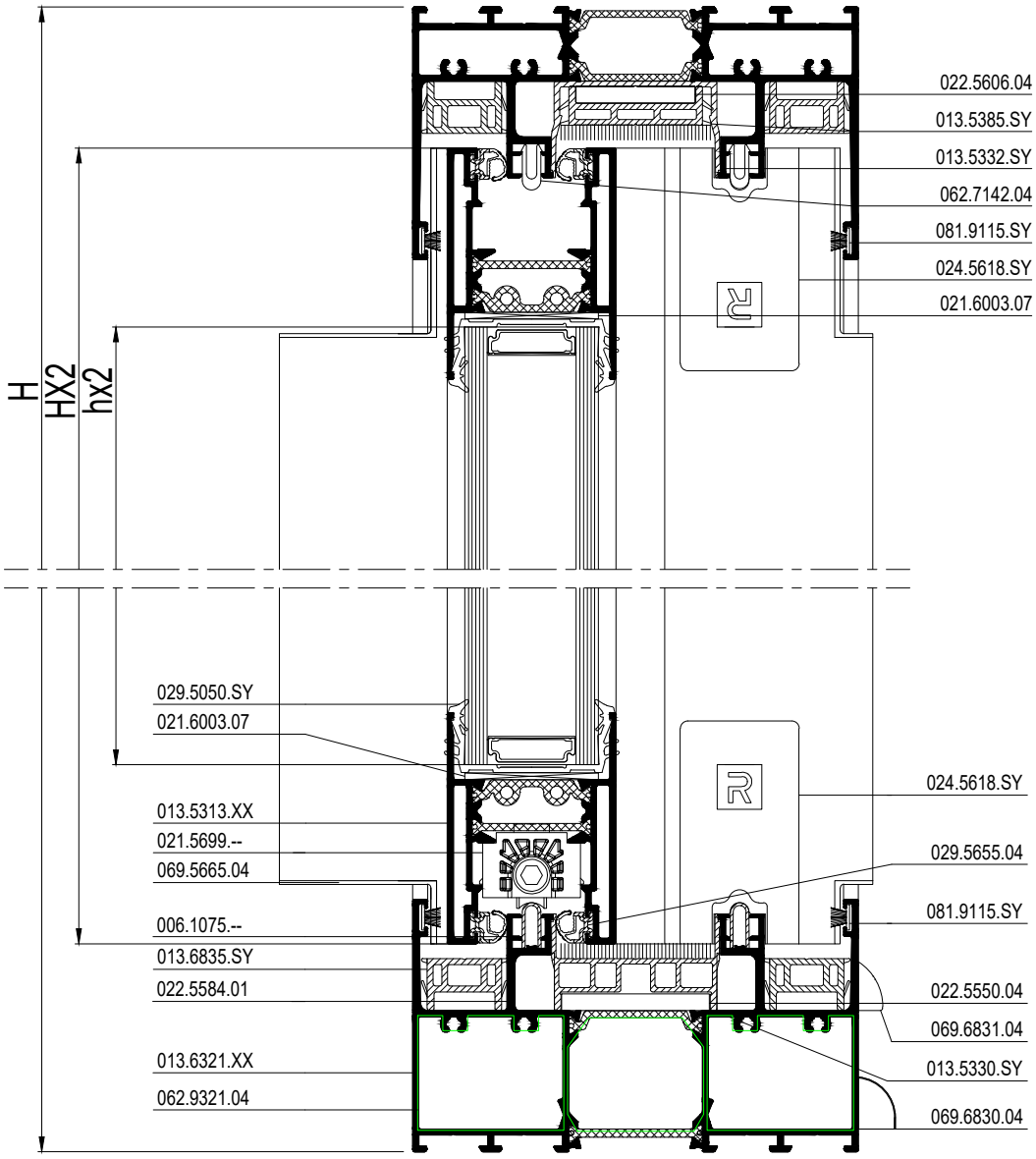
S2L 24

S2L 25



schaal - échelle
scale - Maßstab
1/2

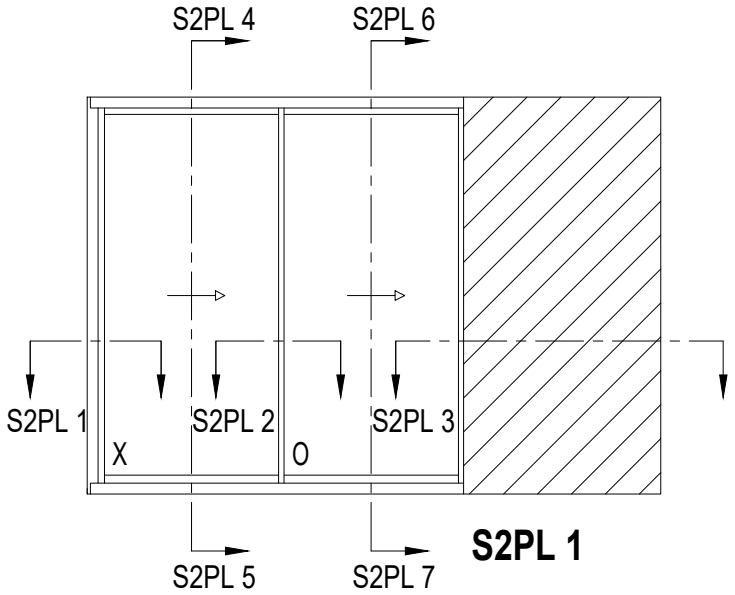
S2L 26

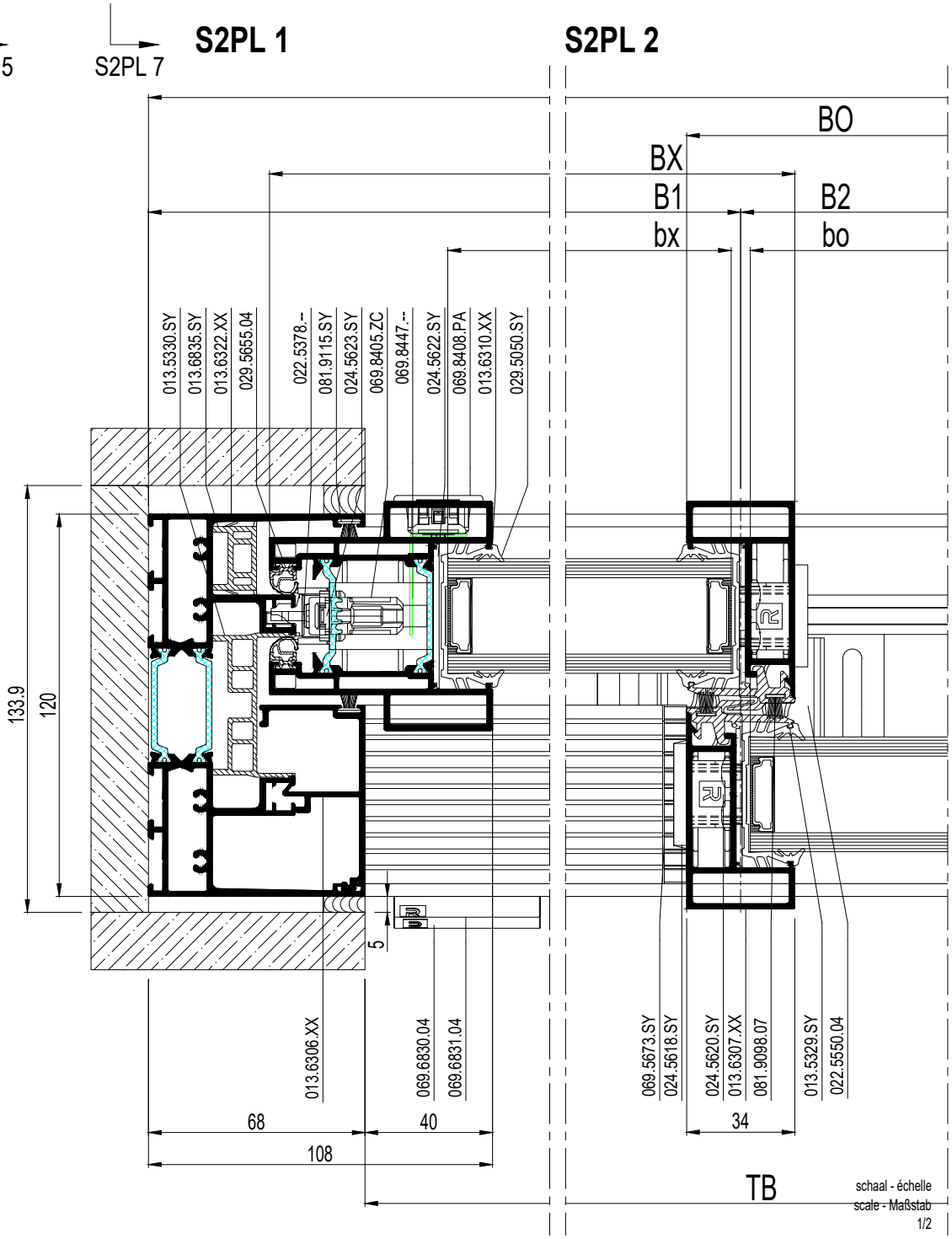


S2L 27

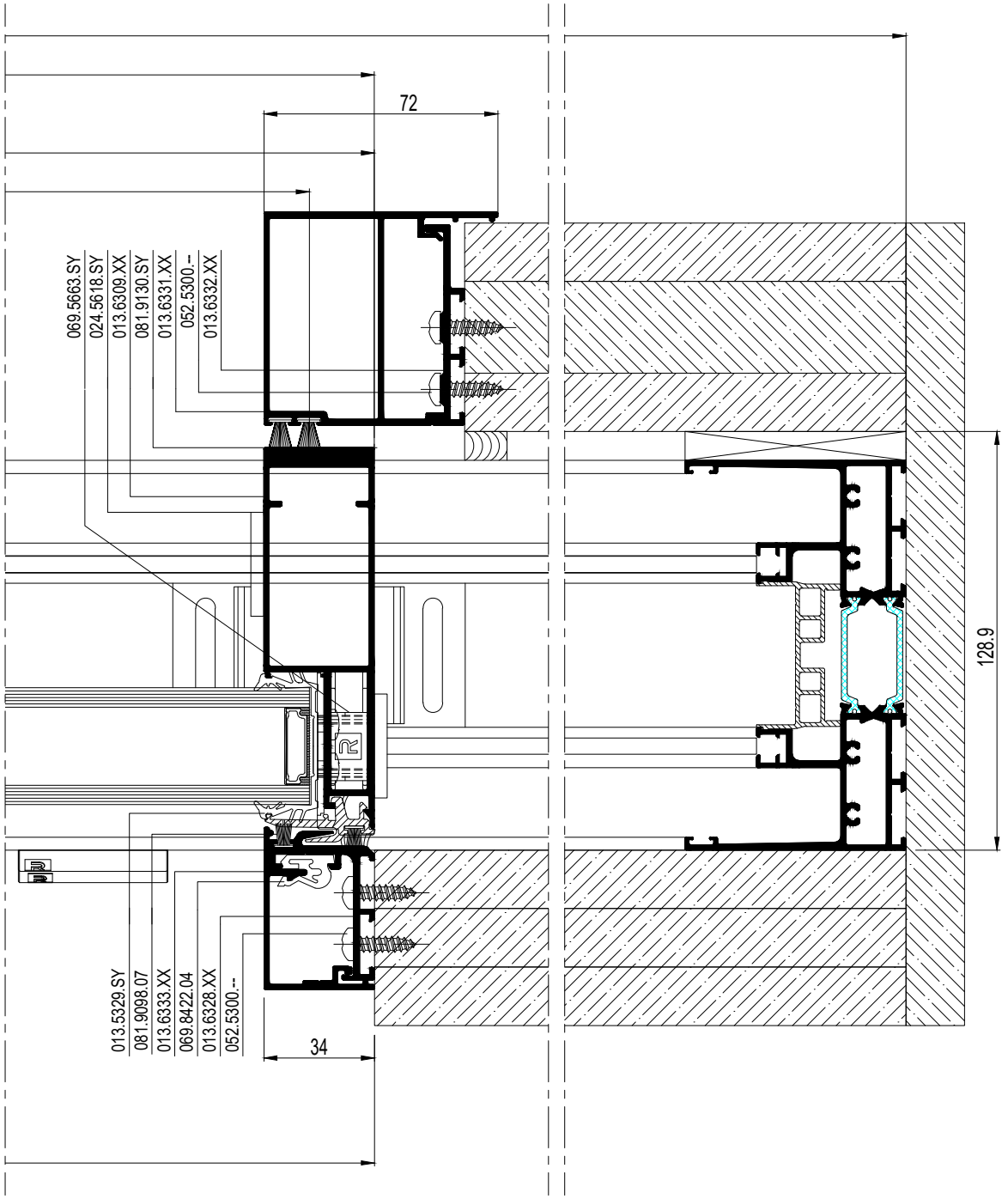
schaal - échelle
scale - Maßstab
1/2

E

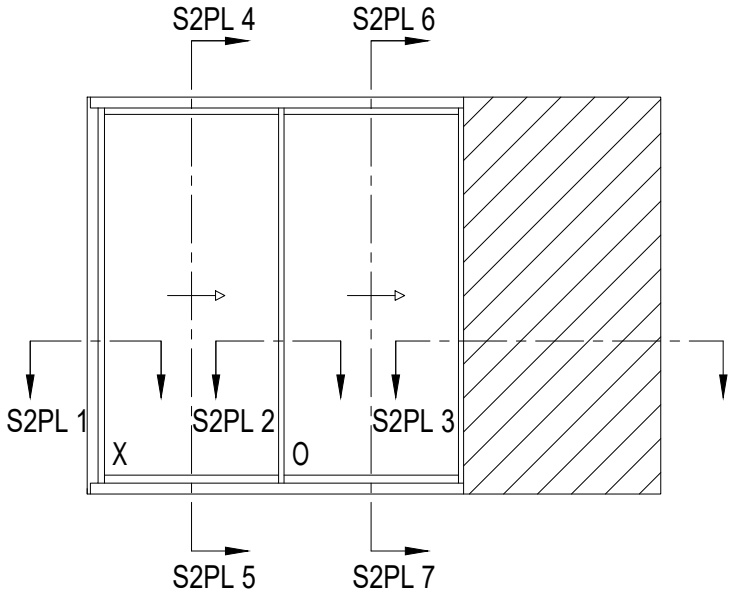

S2PL 4
S2PL 6
S2PL 1
S2PL 2
S2PL 3
X
O
S2PL 5
S2PL 7


S2PL 1
S2PL 2
BO
BX
B1
B2
bx
bo
013.5330.SY
013.6835.SY
013.6322.XX
029.5655.04
022.5378.--
081.9115.SY
024.5623.SY
069.8405.ZC
069.8447.--
024.5622.SY
069.8408.PA
013.6310.XX
029.5050.SY
133.9
120
5
013.6306.XX
069.6830.04
069.6831.04
068
040
108
069.5673.SY
024.5618.SY
024.5620.SY
013.6307.XX
081.9098.07
013.5329.SY
022.5550.04
034
TB
schaal - échelle
scale - Maßstab
1/2

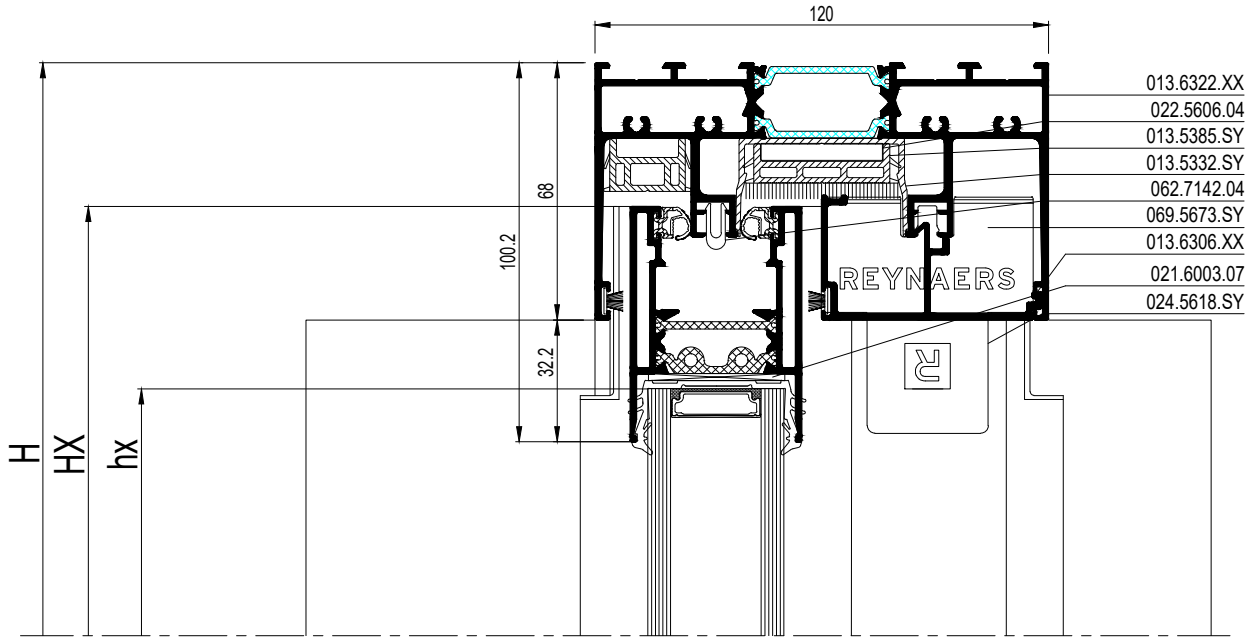
S2PL 3



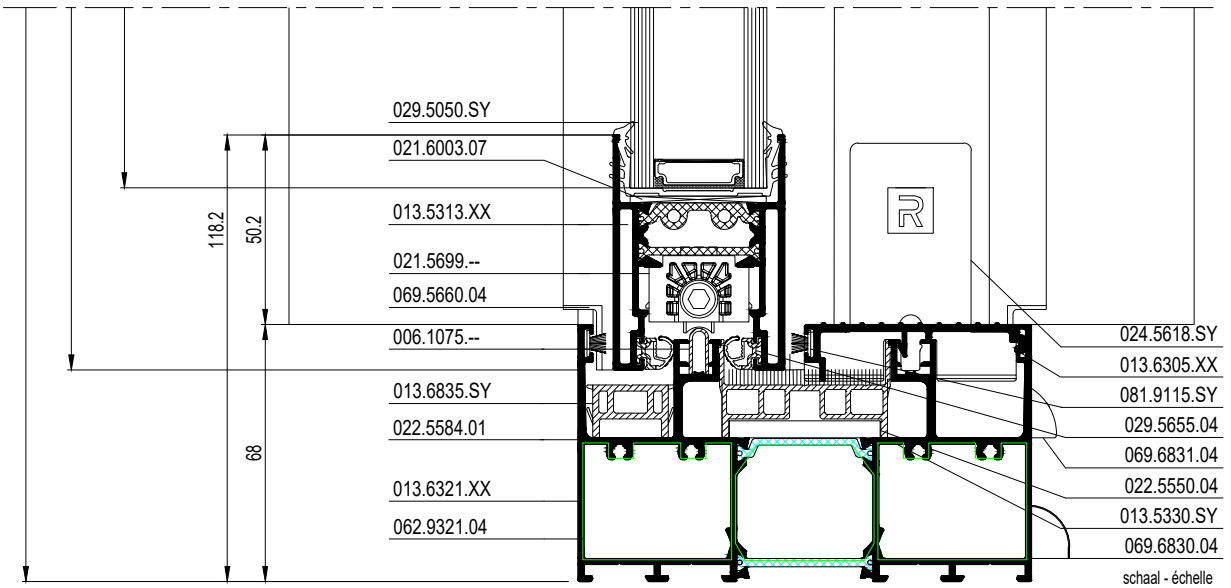
schaal - échelle
scale - Maßstab
1/2



S2PL 4

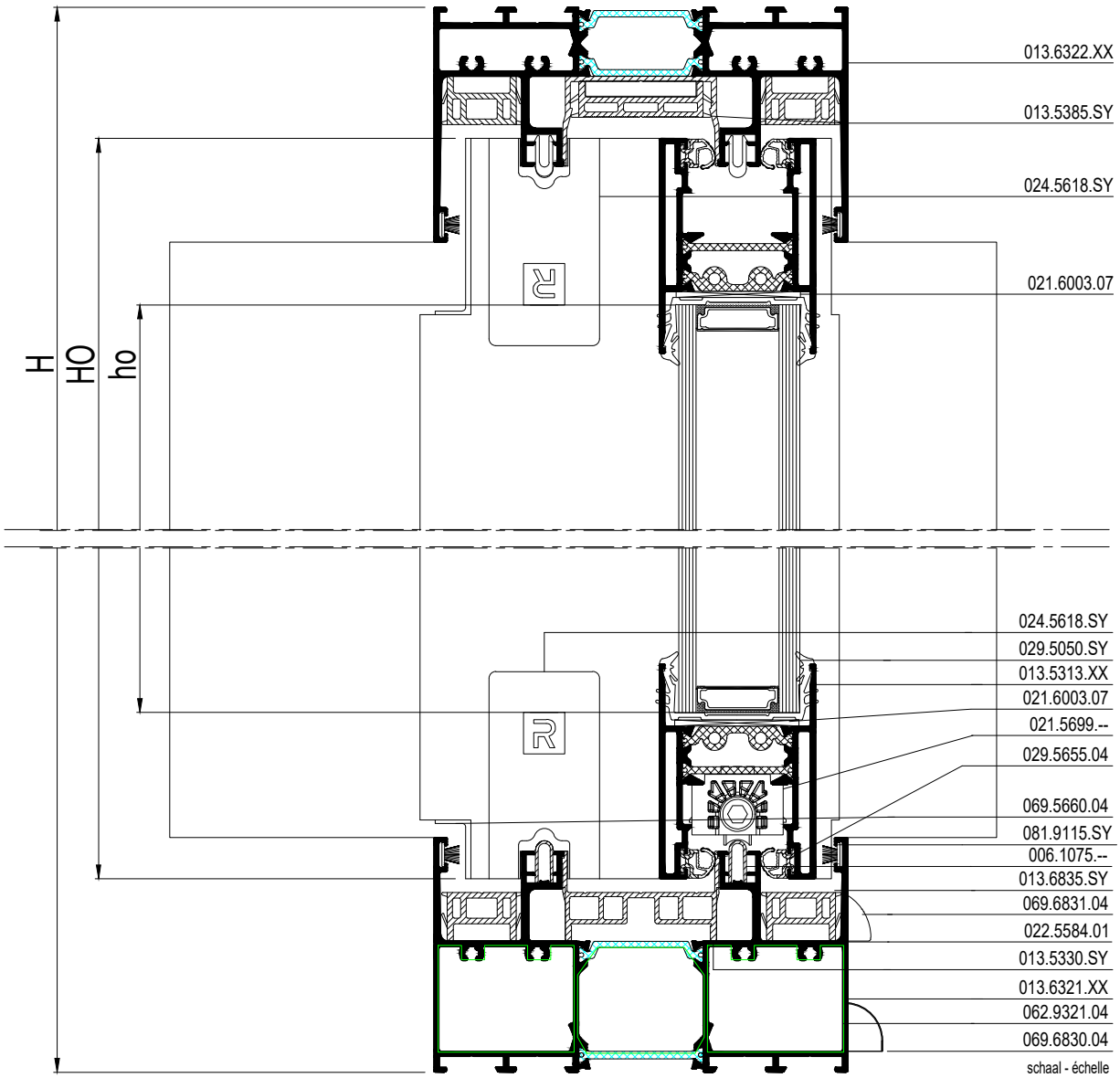


S2PL 5



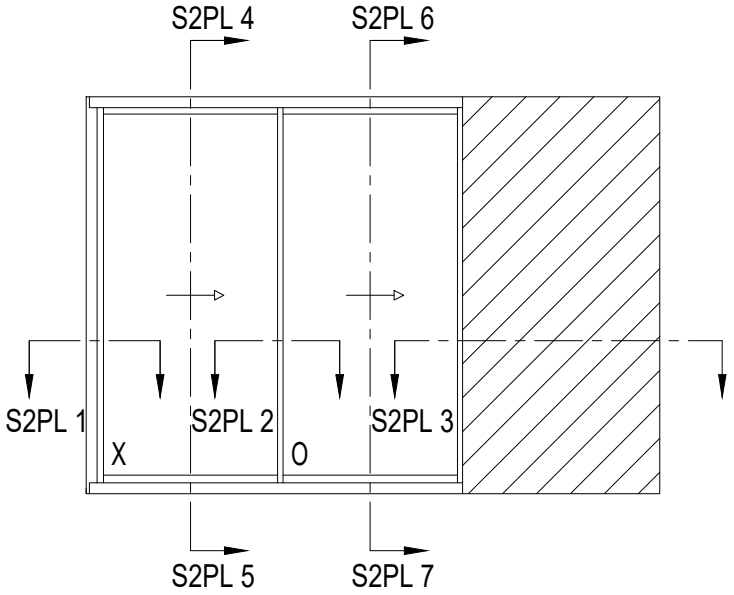
schaal - échelle
scale - Maßstab
1/2

S2PL 6



S2PL 7

E



B = 3/2TB+195
B1 = TB/2+71
B2 = TB/2-3
BX = TB/2+50
BO = TB/2+14
bx = BX-76
bo = BO-40
HX = H-94
HO = H-94
hx = HX-96.4
ho = HO-96.4

E

schaal - échelle
scale - Maßstab
1/2

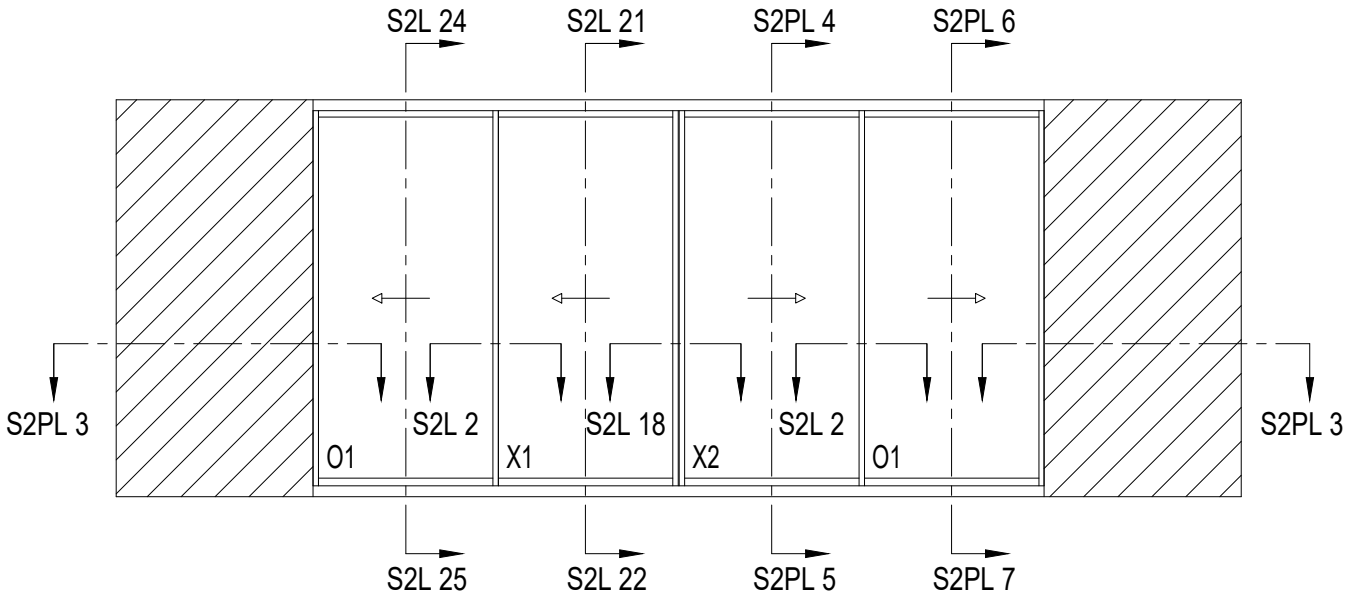
			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B1-65
			1	B2-107
			1	B-B1-B2-48
013.5385.SY			1	B1-59
			1	B2-67
			1	B-B1-B2-42
013.6835.SY			1	H-86
			2	B1+B2-54
			2	B2-17
013.6305.XX			1	B1-92.5
013.6306.XX			1	H-88
			1	B1-92.5
006.1075.--			1	B-92
			1	B-B1-25
013.6310.XX			1	H-94
013.6307.XX			2	H-94*
013.6309.XX			1	H-94*
013.5329.SY			2	H-94*
			1	H-160
013.5313.XX			4	B1-92=B2-18
013.6331.XX			1	H-136
013.6332.XX			1	H-136
013.6333.XX			1	H-136
013.6328.XX			1	H-136

* Assembly before sawing

		#
052.5325.--		32
052.5300.--		min. 8
021.6003.07		8
021.5699.--**		4
024.5618.SY		8
069.5673.SY		1
024.5623.SY		2
024.5622.SY		2
024.5620.SY		2
069.5663.SY		2
062.7142.04		4
062.7147.SY		1
022.5584.01		4
069.6830.04		4
069.6831.04		min. 4
029.5050.SY		2B1+2B2+4H
029.5655.04		4B1+4B2+2H
081.9098.07		4H
081.9130.SY		2H
081.9115.SY		4B + 2H
062.9321.04		2
080.9727.04		4
069.5660.04		10
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
024.5642.04		2
024.5605.04		24
062.7715.XX		1
050.5055.--		1
065.6555.04		2
069.5653.SY		2
069.8422.04		3
022.5550.04		2
022.5606.04		2
069.5675.04		1

** See 47J.F. ...
*** See 47J.F. ...

schaal - échelle
scale - Maßstab
1/2



			#	Lm
013.6322.XX			2	H
			1	B-42
013.6321.XX			1	B-42
013.5332.SY			1	B-40
013.5330.SY			2	H-58
			1	B/2-B1-B2-48
			1	B/2-B3-B4-48
			1	B1-107
			1	B2-90
			1	B3-90
			1	B4-107
013.5385.SY			1	B/2-B1-B2-42
			1	B/2-B3-B4-42
			1	B1-67
			1	B2-50
			1	B3-50
			1	B4-67
013.6835.SY			2	B1+B2+B3+B4-68
			2	B1-17
			2	B4-17
013.6305.XX			1	B2+B3-49
013.6306.XX			1	B2+B3-49
006.1075.--			1	B-92
			1	B/2-B2-25
			1	B/2-B3-25

013.6309.XX			2	H-94
013.6307.XX			4	H-94*
013.5329.SY			4	H-94*
			2	H-160
013.5313.XX			2	B1-18
			2	B2-21
			2	B3-21
			2	B4-18
013.6318.XX			1	H-94
013.6319.XX			1	H-94
013.6331.XX			2	H-136
013.6332.XX			2	H-136
013.6333.XX			2	H-136
013.6328.XX			2	H-136

* Assembly before sawing

schaal - échelle
scale - Maßstab
1/2

		#
052.5325.--		48
052.5300.--		min. 8
021.6003.07		16
021.5699.--**		8
024.5618.SY		20
069.5673.SY		2
069.5663.SY		8
024.5620.SY		4
062.7142.04		9
022.5584.01		10
069.6830.04		8
069.6831.04		min. 8
029.5050.SY		8B1 + 8H
029.5655.04		16B1
081.9098.07		9H
081.9130.SY		4H
081.9115.SY		4B
062.9321.04		2
080.9727.04		4
069.5660.SY		16
069.5665.04		1
069.8405.ZC***		1
022.5378.--***		1
069.8406.PA		1
080.8442.04		3H
062.7715.XX		2
050.5055.--		2
024.5605.04		48
065.6555.04		2
069.5653.SY		2
024.5642.04		2
069.8422.04		6
022.5550.04		5
022.5606.04		5
069.5675.04		2

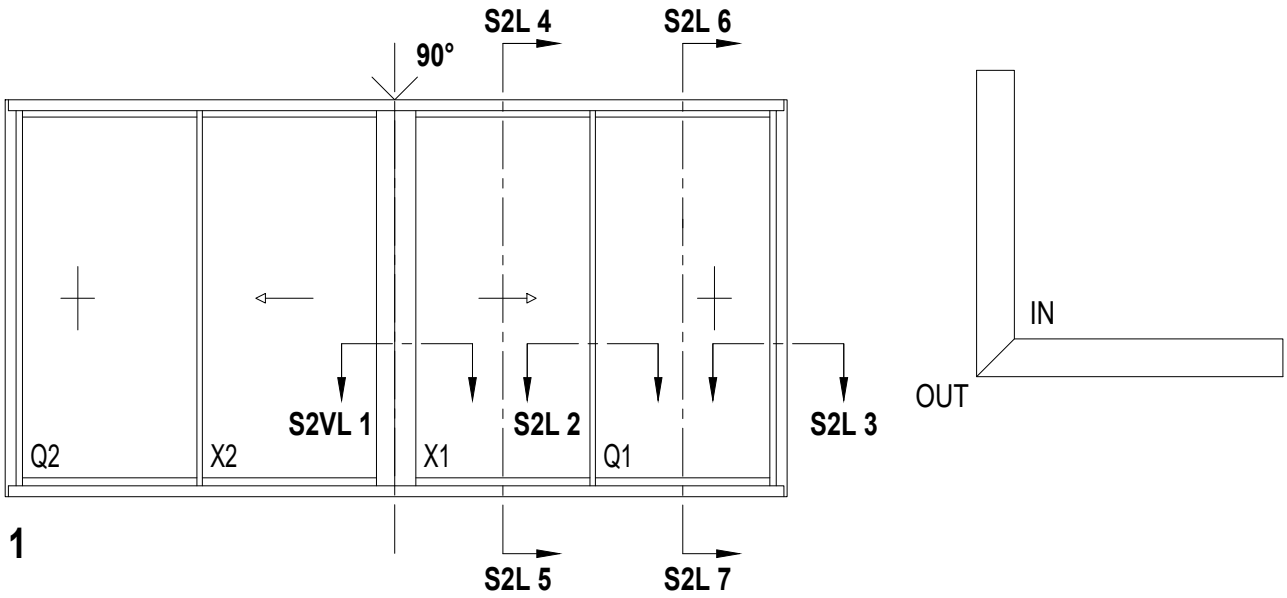
B = 3/2TB+179
B1 = TB/4-1.5
B2 = TB/4+1.5
B3 = TB/4+1.5
B4 = TB/4-1.5
BO1=TB/4+15.5
BX1=TB/4+31.5
BX2=TB/4+15.5
BO2=TB/4+15.5
bo1 = BO1-40
bx1 = BX1-56
bx2 = BX2-40
bo2 = BO2-40

HX1 = H-94
HX2 = H-94
HX3 = H-94
HX4 = H-94
hx1 = HX1-96.4
hx2 = HX2-96.4
hx3 = HX3-96.4
hx4 = HX4-96.4

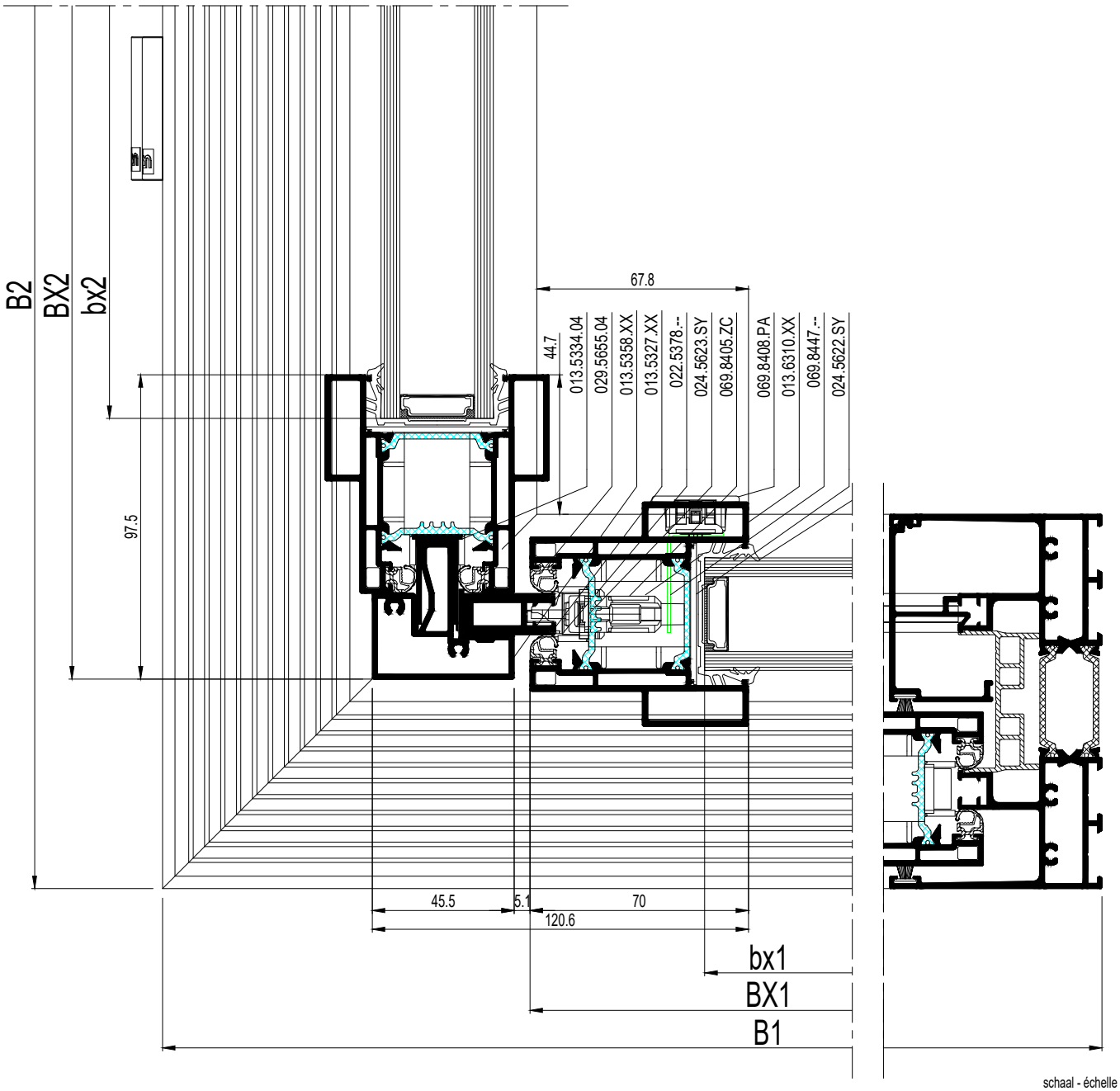
** See 47J.F. ...
*** See 47J.F. ...

E

schaal - échelle
scale - Maßstab
1/2



S2VL 1



schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6322.XX			2	H
			1	B1-21
			1	B2-21
013.6321.XX			1	B1-21
			1	B2-21
013.5332.SY			1	B1-57
			1	B2-57
013.5330.SY			2	H-58
			1	BQ1-44
			1	BX1+16
			1	BQ2-44
			1	BX2-32
013.5385.SY			1	BQ1-38
			1	BX1+36.5
			1	BQ2-38
			1	BX2-14
013.6835.SY			1	B1-114.5
			1	B1-114.5
			1	B2-114.5
			1	B2-114.5
013.6305.XX			1	BX1+74.5
			1	BX2+24
013.6306.XX			2	H-88
			1	BX1+74.5
			1	BX2+24
006.1075.--			1	BQ1-4
			1	B1-131.5
			1	BQ2-4
			1	B2-131.5
013.6310.XX			4	H-94
013.6307.XX			4	H-94*
013.5329.SY			4	H-94*
013.5313.XX			2	BQ1-71
			2	BX1-71
			2	BQ2-71
			2	BX2-98.5
013.5358.XX			1	H-188
013.5334.04			2	H-188
013.5327.SY			1	H-188

* Assembly before sawing

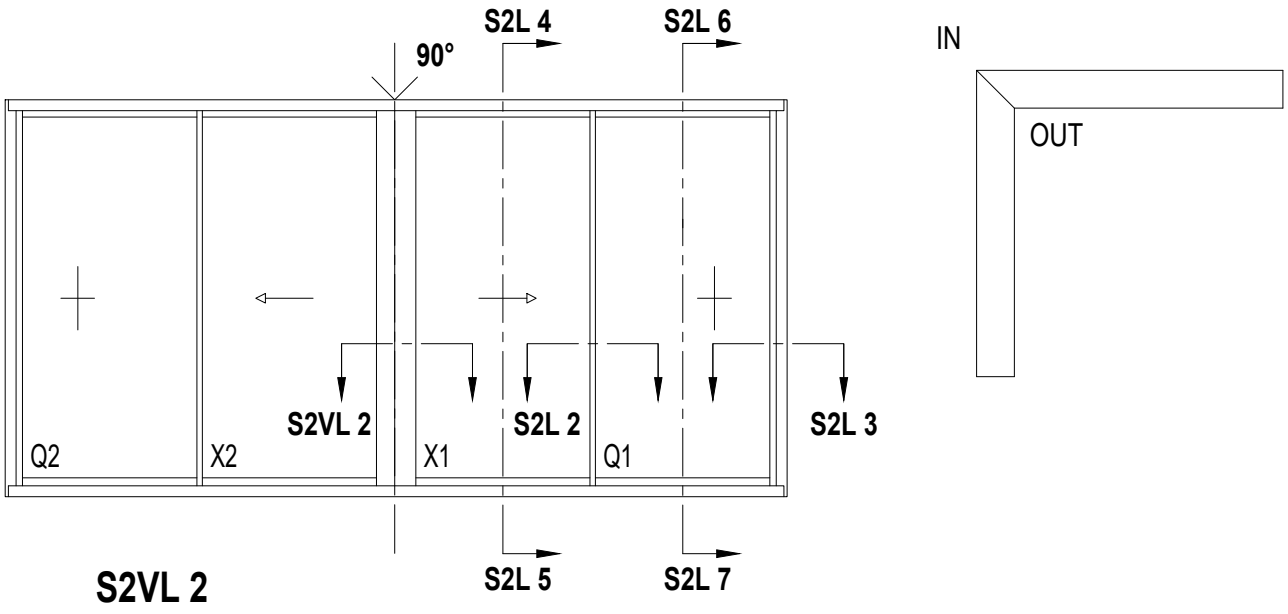
		#
052.5325.--		48
050.5091.--		16
050.5094.--		16
053.5405.--		min. 6
021.6003.07		16
021.5699.--**		4
024.5618.SY		8
069.5673.SY		2
022.5550.04		2
022.5606.04		2
024.5623.SY		6
024.5622.SY		8
024.5620.SY		4
062.7142.04		3
062.7147.SY		1
022.5584.01		4
069.6830.04		8
069.6831.04		min. 8
029.5050.SY		2B1+2B2+8H
029.5655.04		4B1+4B2+8H
081.9098.07		4H
081.9115.SY		4B1+4B2+4H
021.5705.--		4
022.5418.04		2
062.9321.04		4
080.9727.04		4
069.5660.04		20
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
024.5642.04		4
024.5605.04		48
069.5672.SY		4
062.7715.XX		2
050.5055.--		2
065.6555.04		4
069.5653.SY		2
022.5588.04		1
062.8083.00		4
062.8084.00		4
054.5441.04		32

** See 47J.F. ...
*** See 47J.F. ...

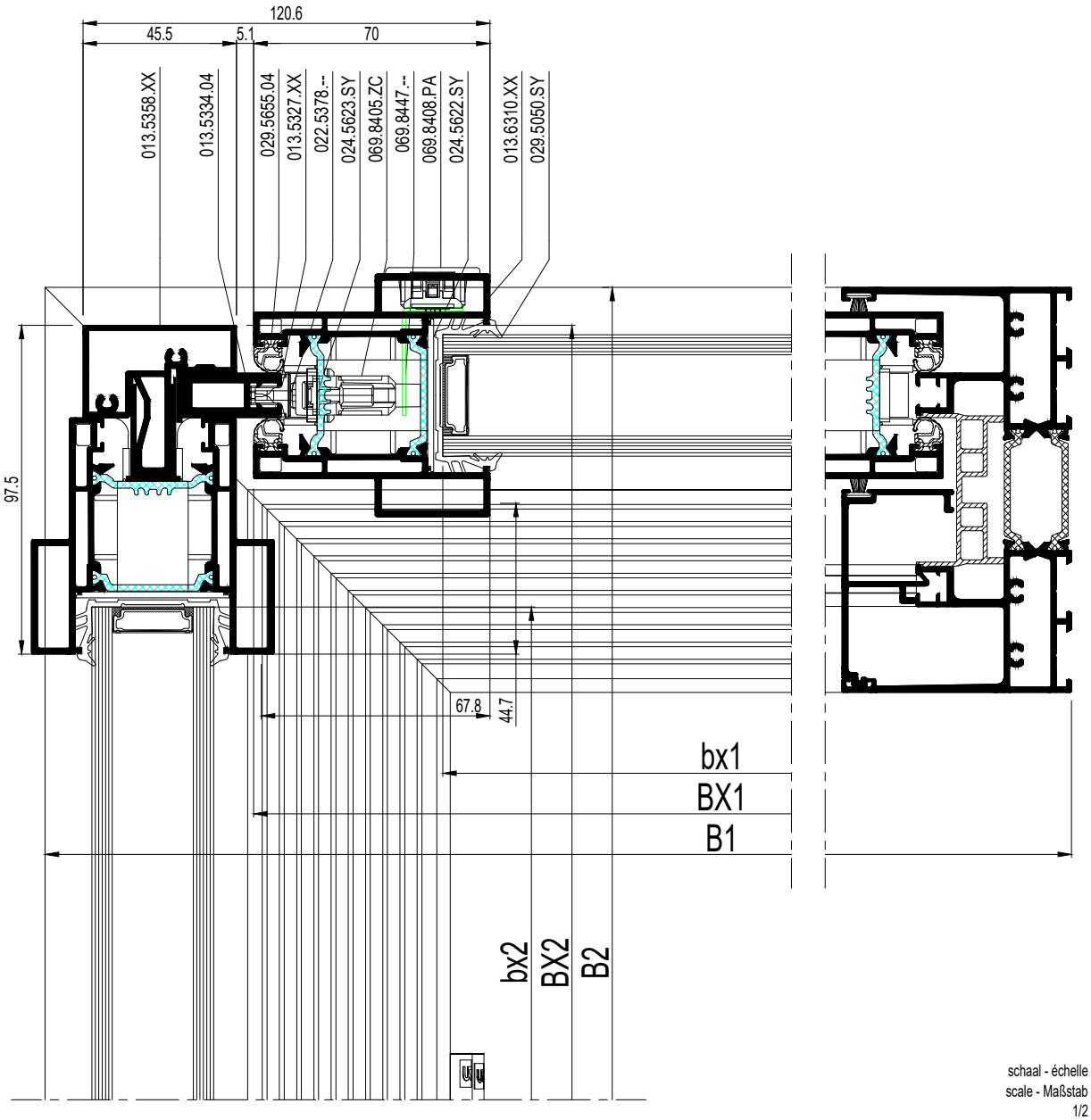
BQ1=B1/2-61.5
BX1=B1/2-61.5
BX2=B2/2-22.5
BQ2=B2/2-50
bq1 = BQ1-76
bx1 = BX1-76
bx2=BX2-103.5
bq2 = BQ2-76
HQ1 = H-94
HX1 = H-94
HX2 = H-94
HQ2 = H-94
hq1 = HQ-96.4
hx1 = HX-96.4
hx2 = HX-96.4
hq2 = HQ-96.4

E

schaal - échelle
scale - Maßstab
1/2



S2VL 2



schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6322.XX			2	H
			1	B1-21
			1	B2-21
013.6321.XX			1	B1-21
			1	B2-21
013.5332.SY			1	B1-57
			1	B2-57
013.5330.SY			2	H-58
			1	BQ1-44
			1	BX1-37.5
			1	BQ2-44
			1	BX2-88
013.5385.SY			1	BQ1-38
			1	BX1-19.5
			1	BQ2-38
			1	BX2-70
013.6835.SY			1	B1-22
			1	B1-22
			1	B2-22
			1	B2-22
013.6305.XX			1	BX1-39.5
			1	BX2-90.5
013.6306.XX			2	H-88
			1	BX1-39.5
			1	BX2-90.5
006.1075.--			1	BQ1-4
			1	B1-75.5
			1	BQ2-4
			1	B2-75.5
013.6310.XX			4	H-94
013.6307.XX			4	H-94*
013.5329.SY			4	H-94*
013.5313.XX			2	BQ1-71
			2	BX1-71
			2	BQ2-71
			2	BX2-98.5
013.5358.XX			1	H-188
013.5334.04			2	H-188
013.5327.SY			1	H-188

* Assembly before sawing

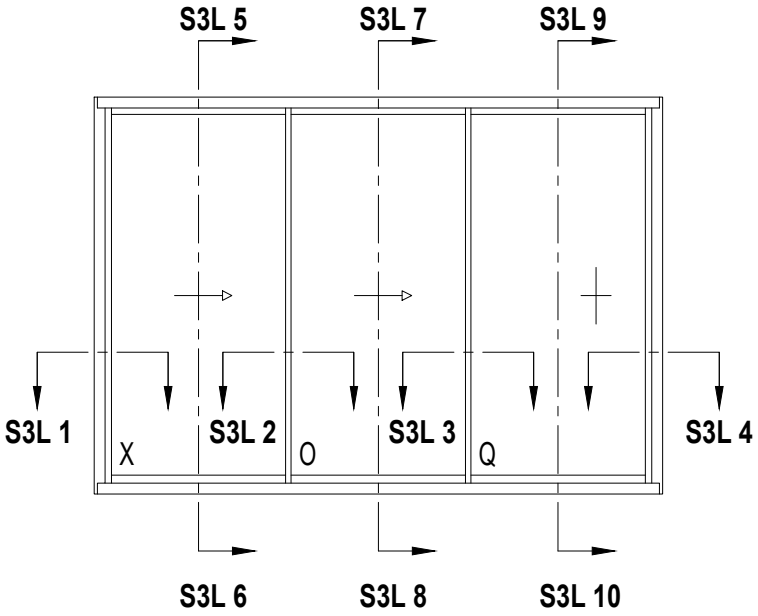
		#
052.5325.--		48
050.5091.--		16
050.5094.--		16
053.5405.--		min. 6
021.6003.07		16
021.5699.--**		4
024.5618.SY		8
069.5673.SY		2
022.5550.04		2
022.5606.04		2
024.5623.SY		6
024.5622.SY		8
024.5620.SY		4
062.7142.04		3
062.7147.SY		1
022.5584.01		4
069.6830.04		8
069.6831.04		min. 8
029.5050.SY		2B1+2B2+8H
029.5655.04		4B1+4B2+8H
081.9098.07		4H
081.9115.SY		4B1+4B2+4H
021.5705.--		4
022.5418.04		2
062.9321.04		4
080.9727.04		4
069.5660.04		20
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
024.5642.04		4
024.5605.04		48
069.5672.SY		4
062.7715.XX		2
050.5055.--		2
065.6555.04		4
069.5653.SY		2
022.5588.04		1
062.8083.00		4
062.8084.00		4
054.5441.04		32

** See 47J.F. ...
*** See 47J.F. ...

BQ1=B1/2-33.5
BX1=B1/2-33.5
BX2=B2/2+5.5
BQ2=B2/2-22
bq1 = BQ1-76
bx1 = BX1-76
bx2=BX2-103.5
bq2 = BQ2-76
HQ1 = H-94
HX1 = H-94
HX2 = H-94
HQ2 = H-94
hq1 = HQ-96.4
hx1 = HX-96.4
hx2 = HX-96.4
hq2 = HQ-96.4

E

schaal - échelle
scale - Maßstab
1/2



			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1-65
			1	B2+B3-65
			1	B1+B2-65
			1	B3-65
013.5385.SY			1	B1-59
			1	B2+B3-59
			1	B1+B2-59
			1	B3-59
013.6835.SY			1	H-86
			2	B-40
013.6306.XX			4	H-88
			1	B1-92.5
			1	B1+B2-92.5
013.6305.XX			1	B1-92.5
			1	B1+B2-92.5
006.1075.--			1	B-92
			1	B2+B3-25
			1	B3-25
013.6310.XX			2	H-94
013.6309.XX			2	H-94*
013.6307.XX			2	H-94*
013.5329.SY			4	H-94*
013.5313.XX			2	B1-92.5
			2	B2-1.5
			2	B3-92.5

* Assembly before sawing

E

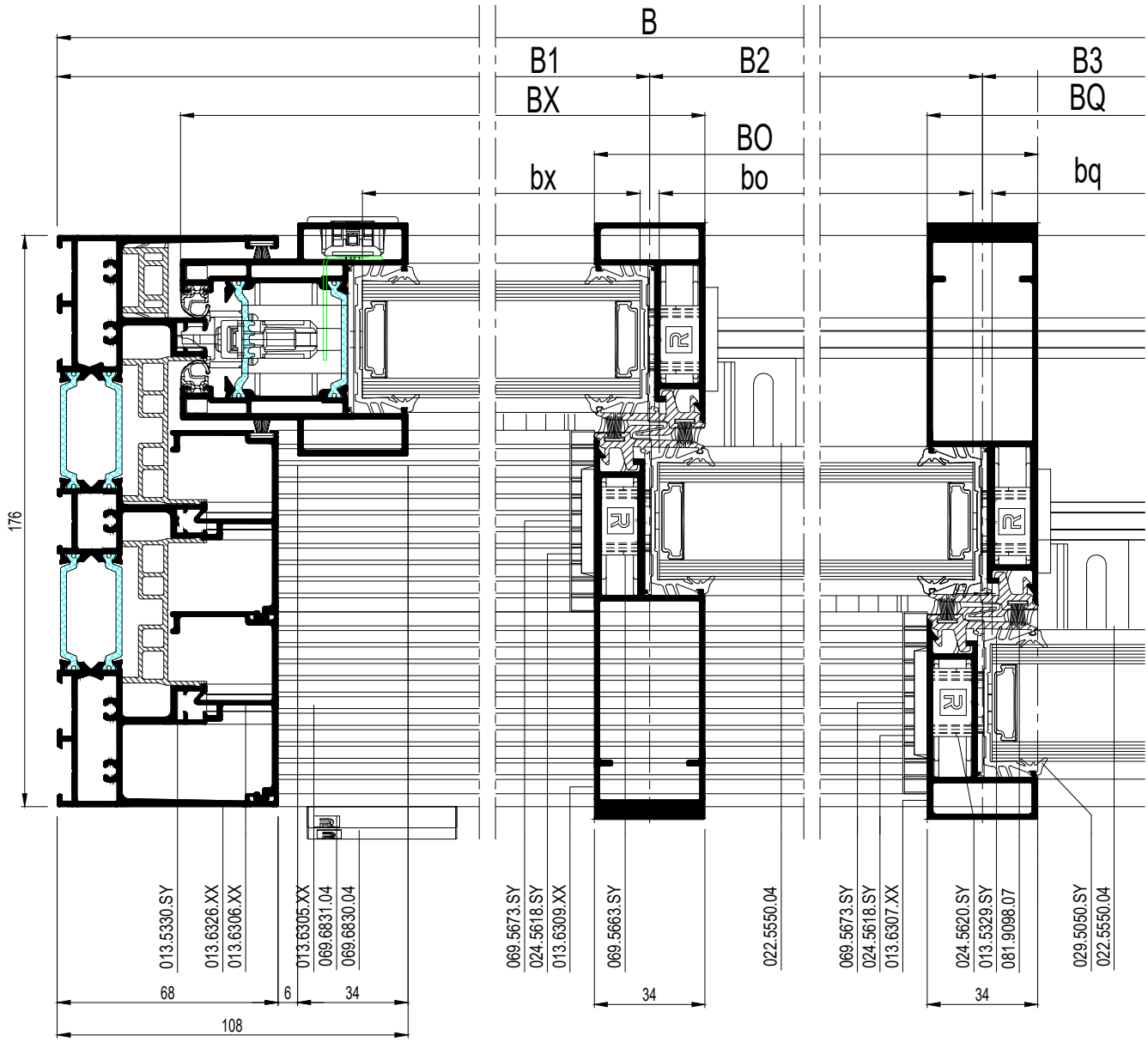
schaal - échelle
scale - Maßstab
1/2

BX = B1 - 21.5
BO = B2 + 33.5
BQ = B3 - 21.5
HX = H - 94
HO = H - 94
HQ = H - 94
bx = BX - 76
bo = BO - 40
bq = BQ- 76
hx = HX - 96.4
ho = HO - 96.4
hq = HQ - 96.4

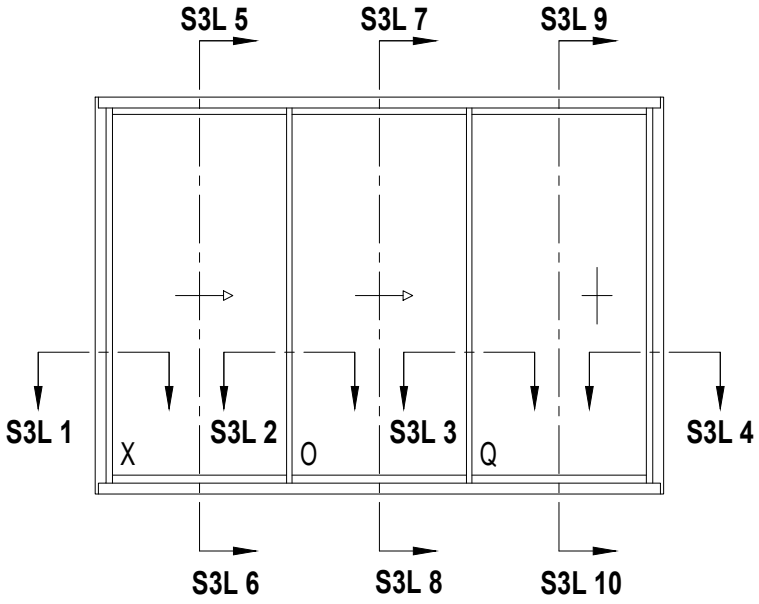
S3L 1

S3L 2

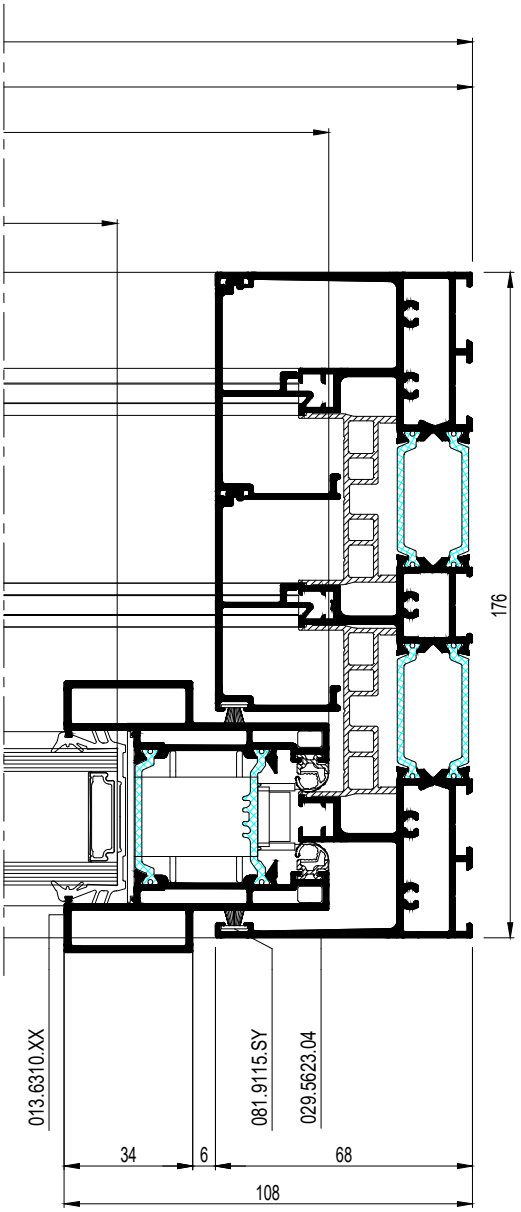
S3L 3



schaal - échelle
scale - Maßstab
1/2



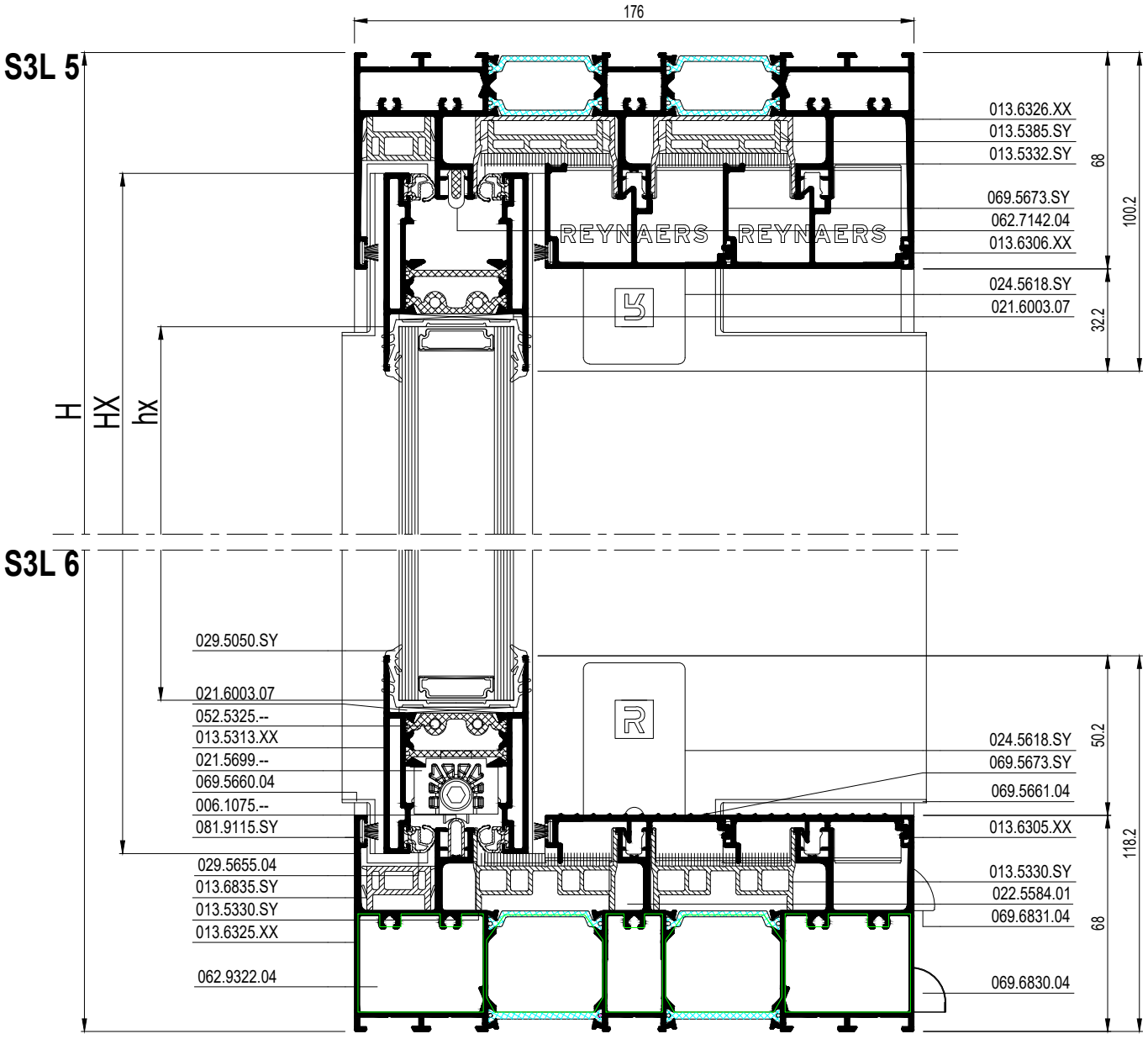
S3L 4



		#
052.5325.--		44
021.6003.07		12
021.5699.--**		4
021.5705.--		2
022.5418.04		1
024.5618.SY		8
069.5673.SY		2
022.5550.04		2
022.5606.04		2
024.5623.SY		4
024.5622.SY		4
024.5620.SY		2
069.5663.SY		4
062.7142.04		3
062.7147.SY		1
022.5584.01		3
069.6830.04		6
069.6831.04		min. 6
029.5050.SY		2B + 6H
029.5655.04		4B + 4H
081.9098.07		4H
081.9115.SY		4H + 4B
062.9322.04		2
080.9728.04		4
069.5660.04		10
069.5661.04		4
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
069.5672.04		4
062.7715.XX		2
050.5055.--		2
024.5642.SY		2
024.5605.04		36
065.6555.04		2
069.5653.SY		3

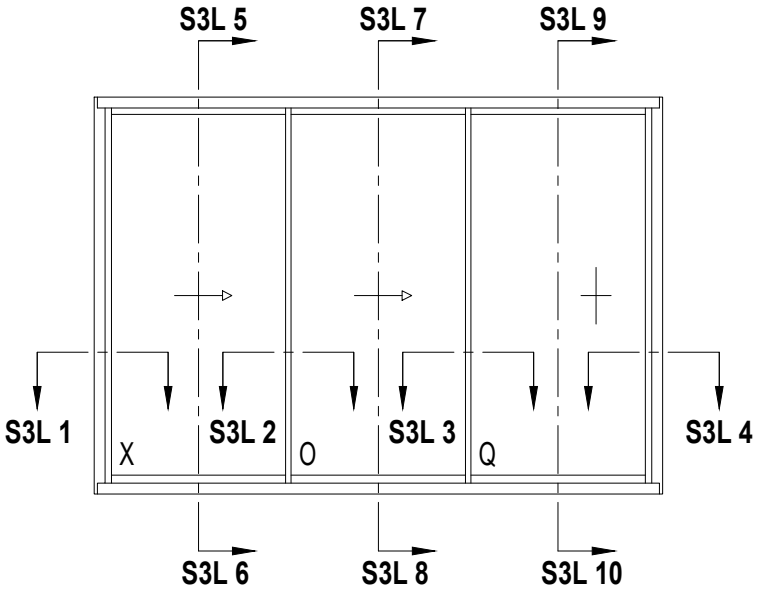
** See 47J.F. ...
*** See 47J.F. ...

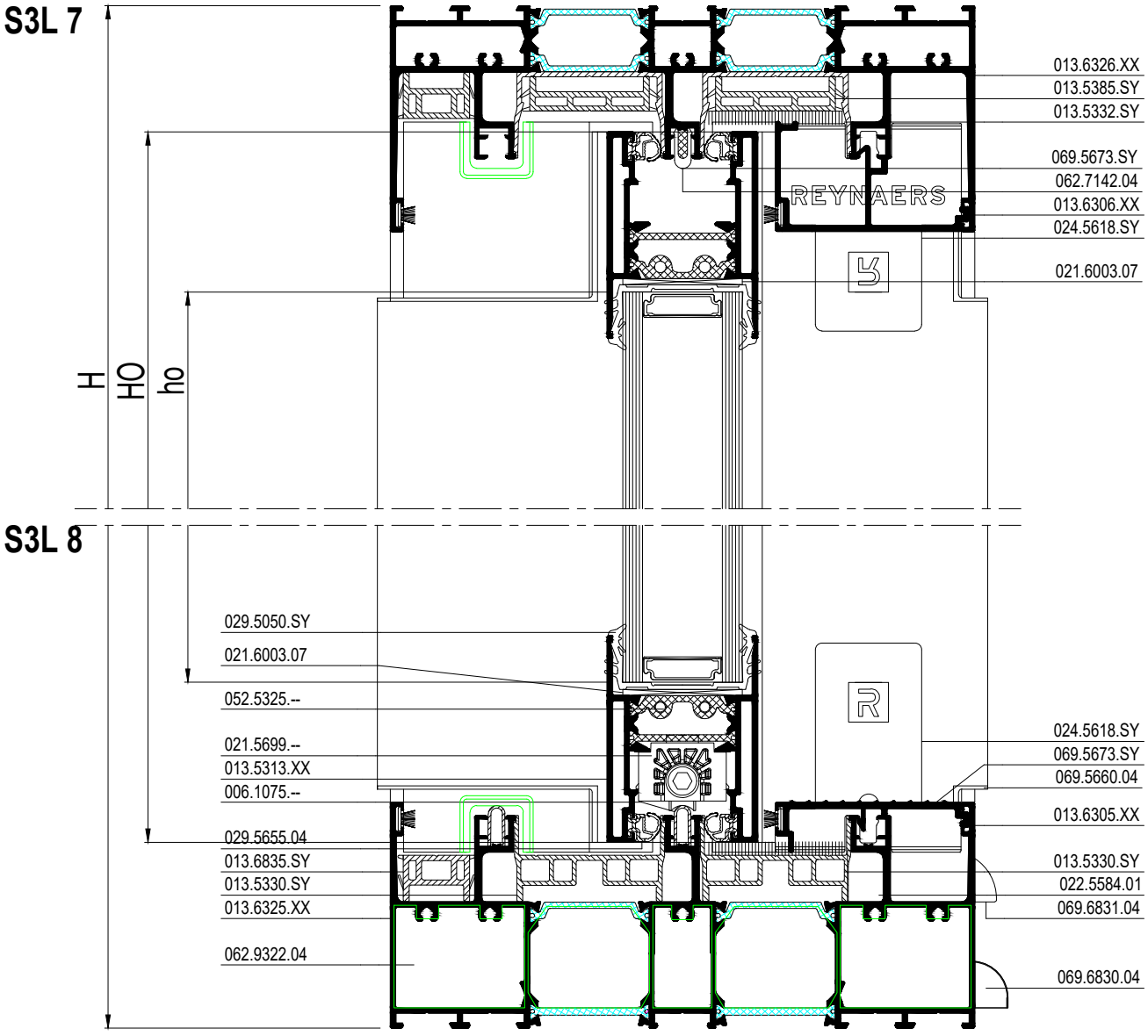
schaal - échelle
scale - Maßstab
1/2



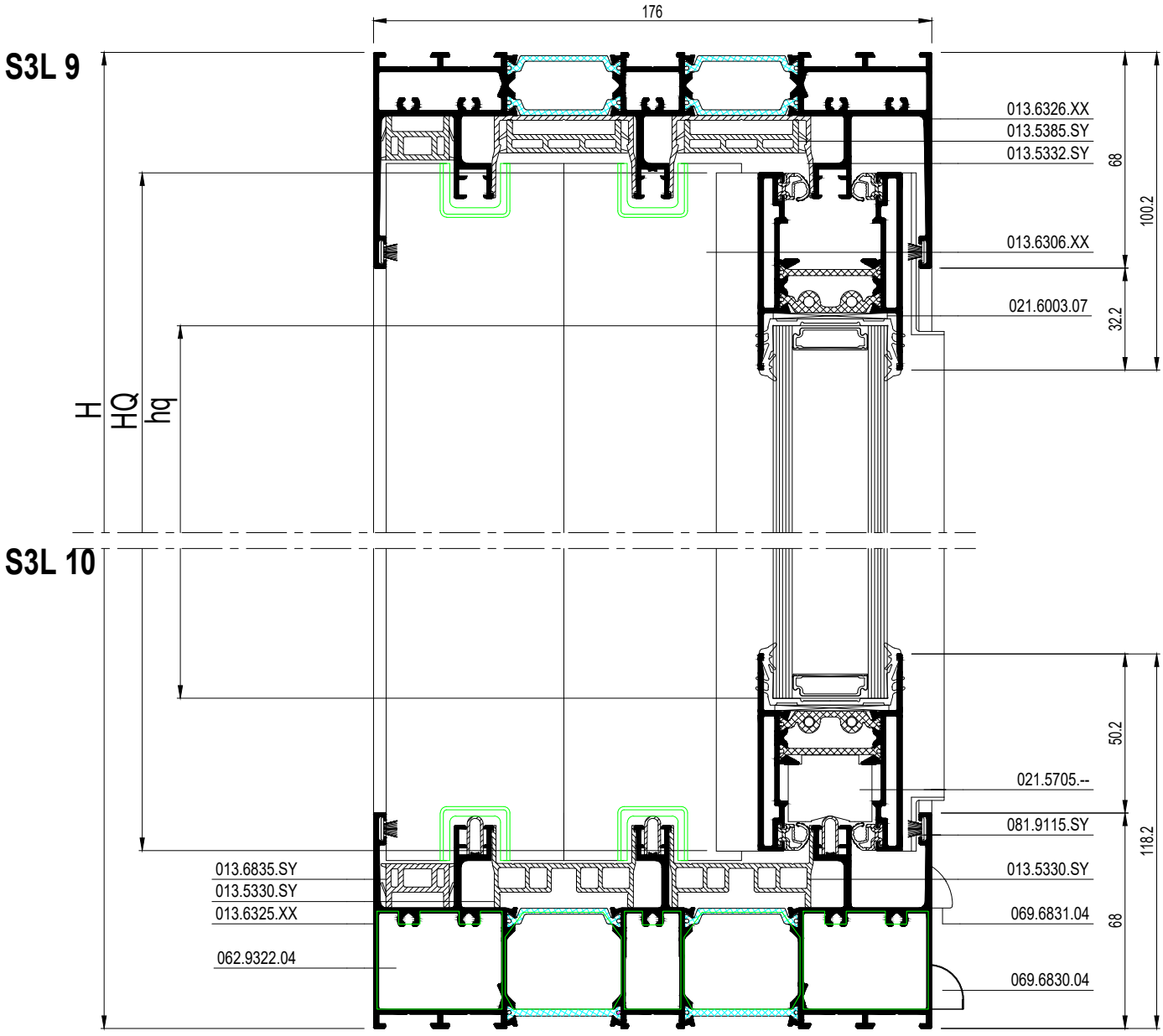
schaal - échelle
scale - Maßstab
1/2

E



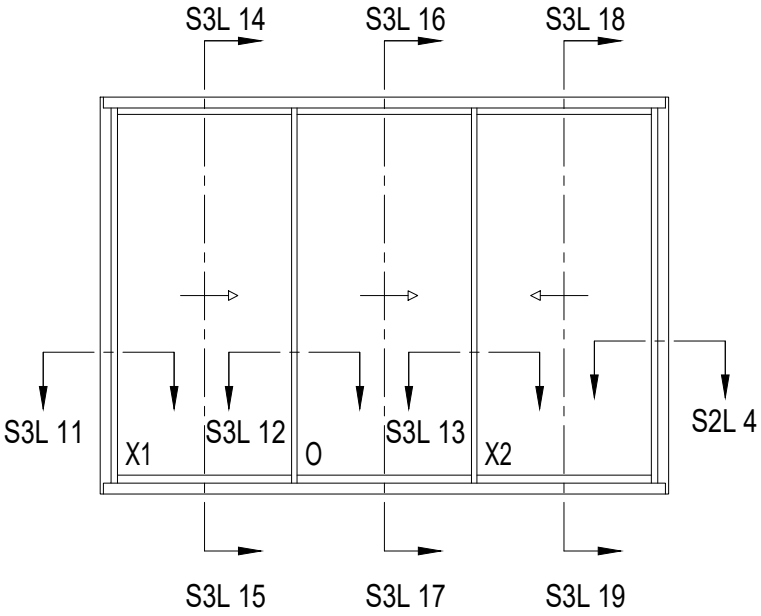


schaal - échelle
scale - Maßstab
1/2



schaal - échelle
scale - Maßstab
1/2

E



			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1-65
			1	B2+B3-65
			1	B1+B2-65
			1	B3-65
013.5385.SY			1	B1-59
			1	B2+B3-59
			1	B1+B2-59
			1	B3-59
013.6835.SY			2	H-86
			4	B-40
013.6306.XX			4	H-88
006.1075.--			3	B-92
013.6310.XX			2	H-94
013.6309.XX			2	H-94*
013.6307.XX			2	H-94*
013.5329.SY			4	H-94*
013.5313.XX			2	B1-92.5
			2	B2-1.5
			2	B3-92.5

* Assembly before sawing

E

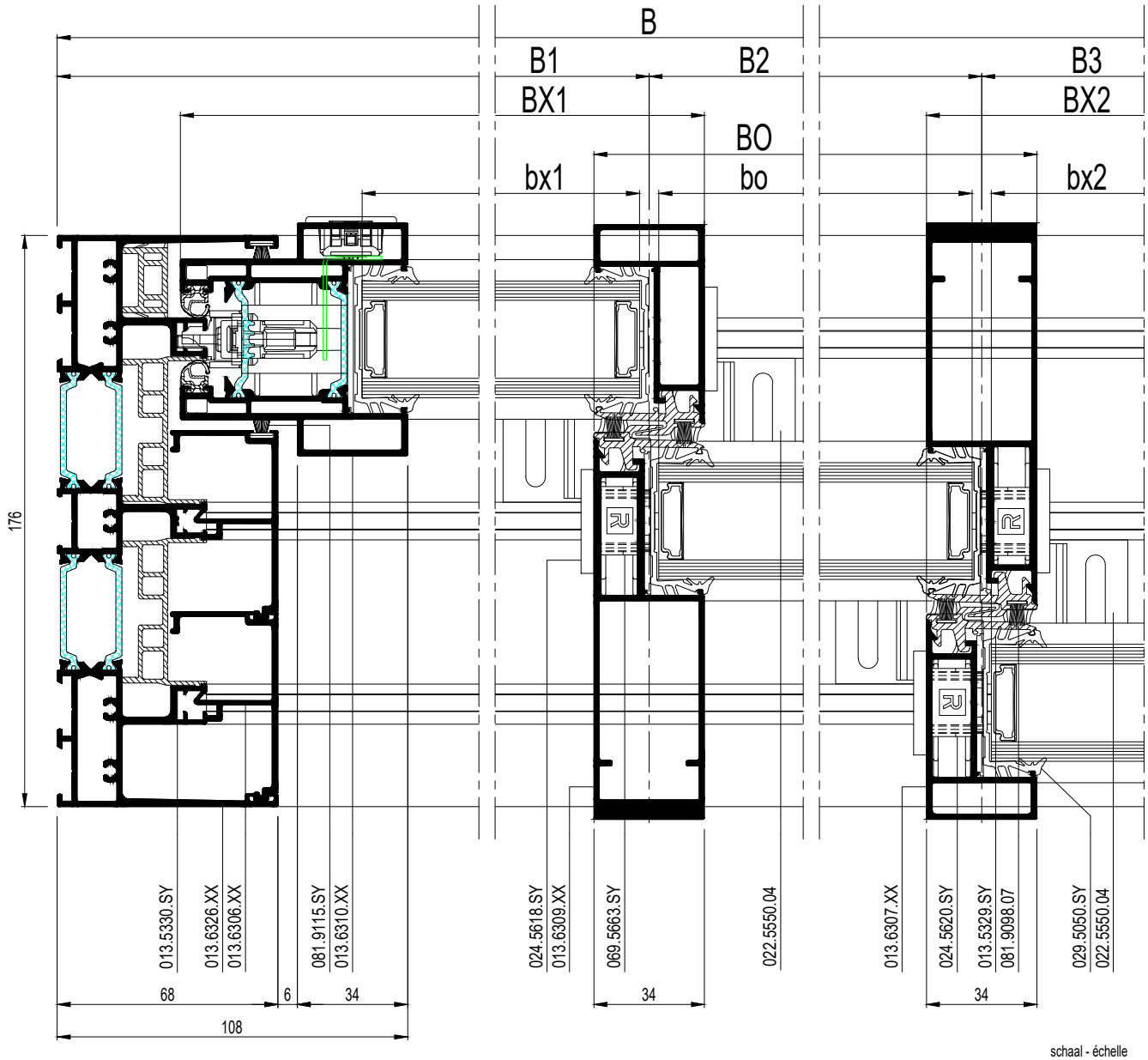
schaal - échelle
scale - Maßstab
1/2

BX1 = B1 - 21.5
BO = B2 + 33.5
BX2 = B3 - 21.5
HX1 = H - 94
HO = H - 94
HX2 = H - 94
bx1 = BX1 - 76
bo = BO - 40
bx2 = BX2 - 76
hx1 = HX1 - 96.4
ho = HO - 96.4
hx2 = HX2 - 96.4

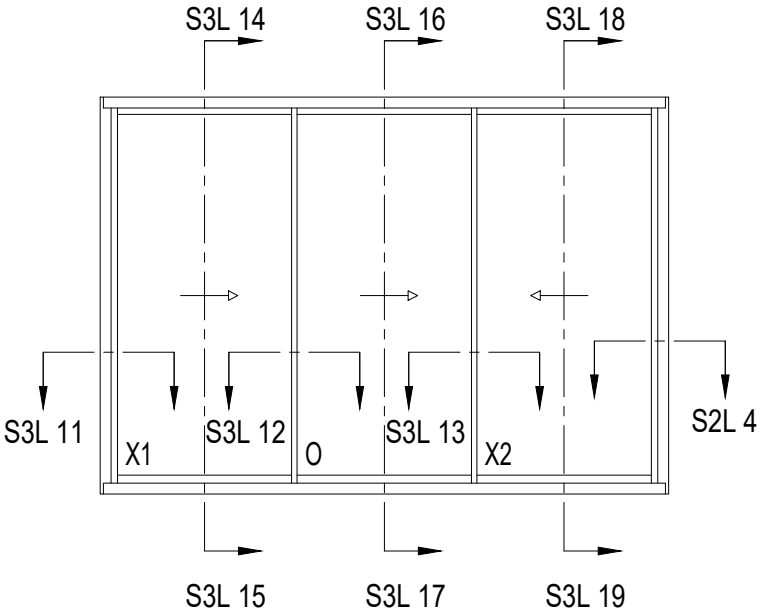
S3L 11

S3L 12

S3L 13



schaal - échelle
scale - Maßstab
1/2

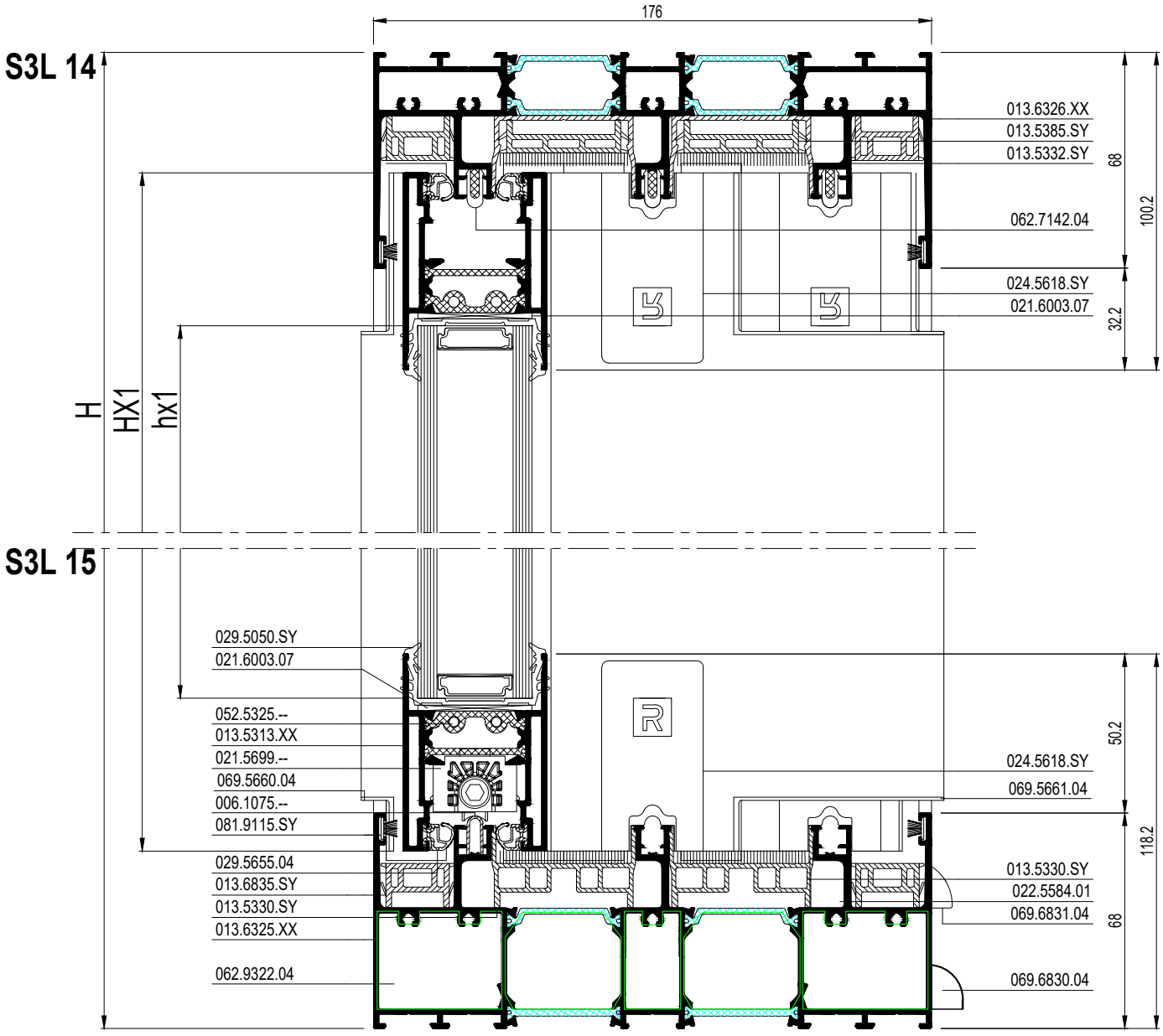


		#
052.5325.--		44
021.6003.07		12
021.5699.--**		6
024.5618.SY		8
022.5550.04		2
022.5606.04		2
024.5623.SY		4
024.5622.SY		4
024.5620.SY		2
069.5663.SY		4
062.7142.04		4
062.7147.SY		2
022.5584.01		3
069.6830.04		6
069.6831.04		min. 6
029.5050.SY		2B + 6H
029.5655.04		4B + 4H
081.9098.07		4H
081.9115.SY		4H + 4B
062.9322.04		2
080.9728.04		4
069.5660.04		8
069.5661.04		4
069.8405.ZC***		2
022.5378.--***		2
069.8447.--		2
069.8408.PA		2
069.5672.SY		8
062.7715.XX		3
050.5055.--		3
024.5605.04		36
065.6555.04		2
069.5653.SY		3

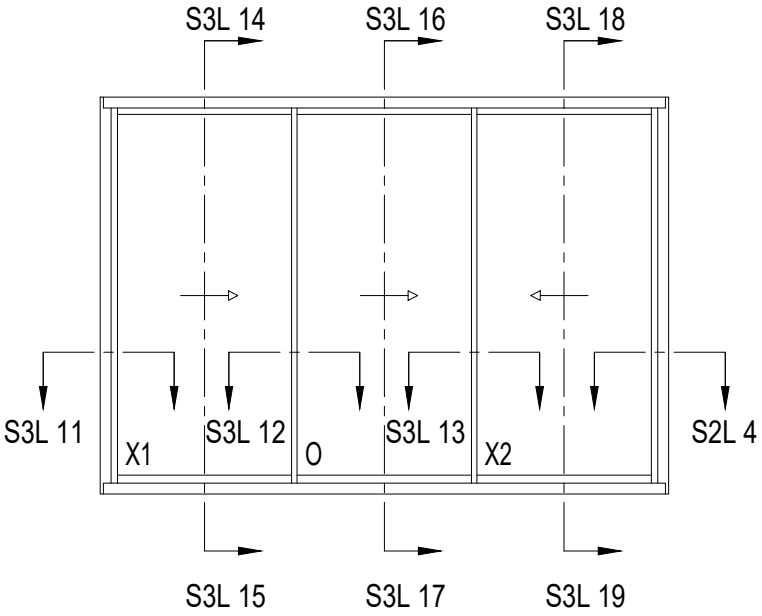
** See 47J.F. ...
*** See 47J.F. ...

E

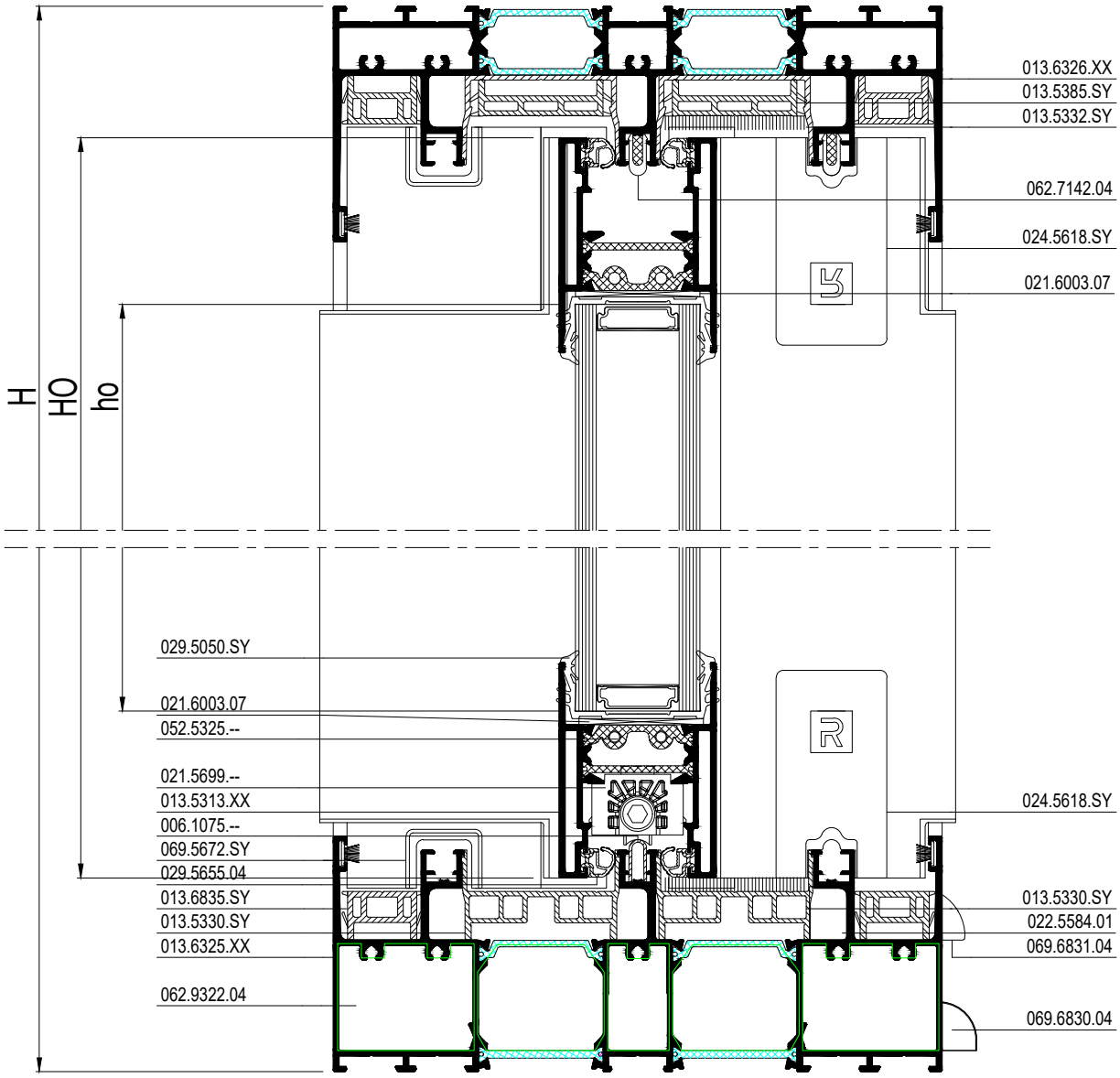
schaal - échelle
scale - Maßstab
1/2



schaal - échelle
scale - Maßstab
1/2



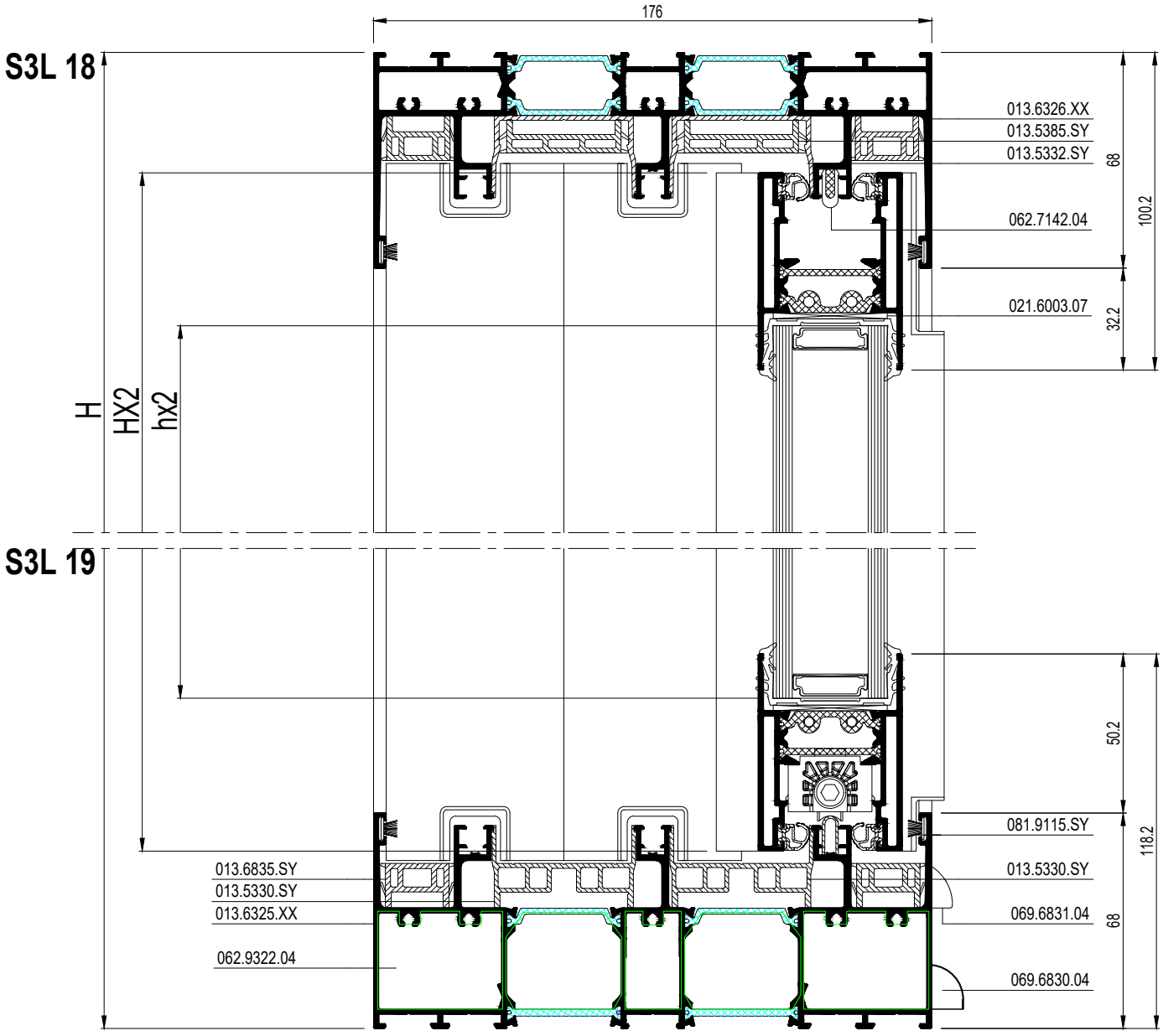
S3L 16



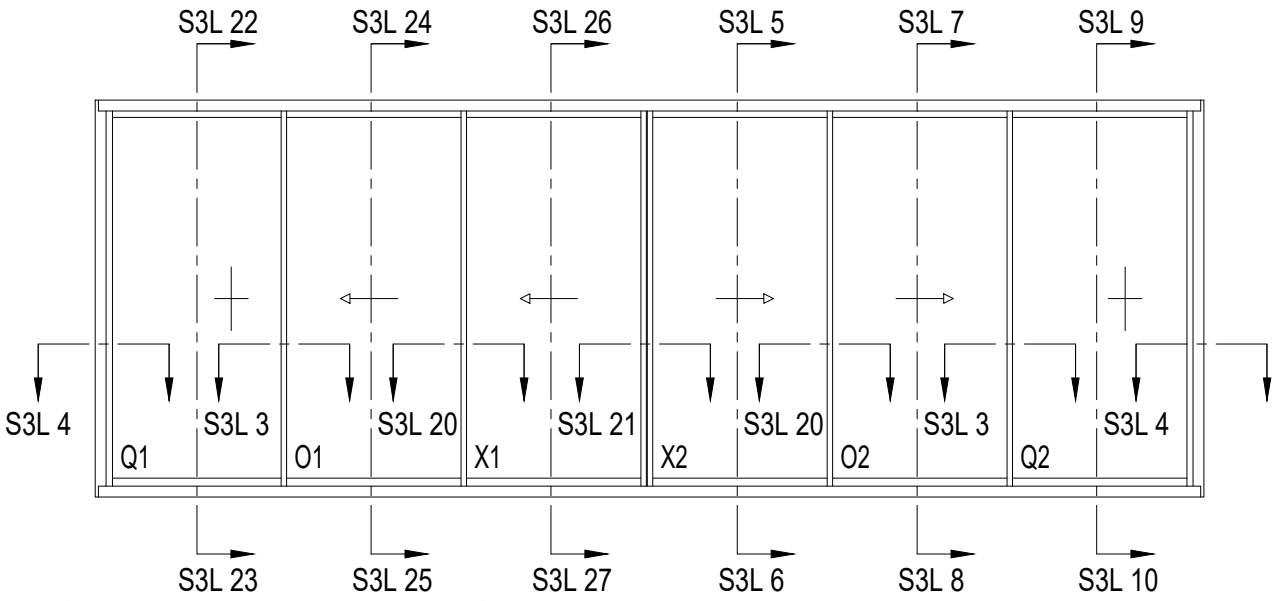
S3L 17

E

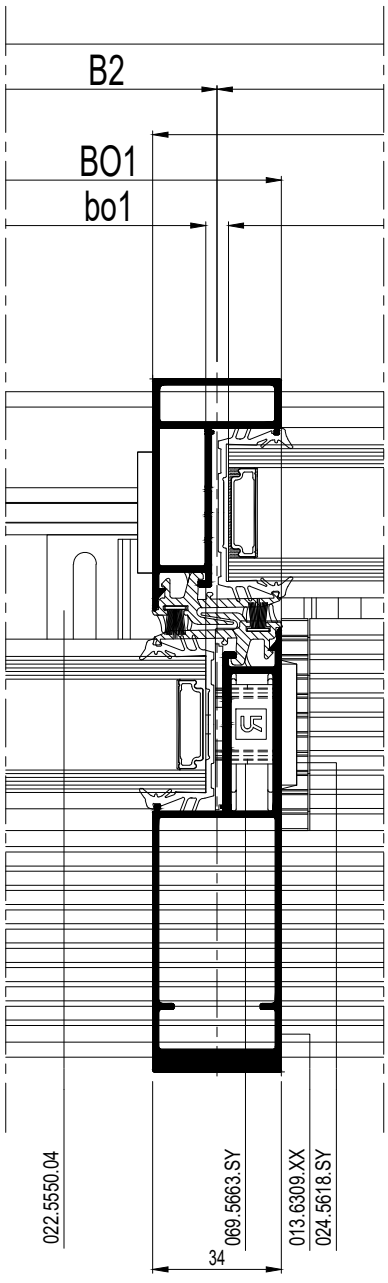
schaal - échelle
scale - Maßstab
1/2



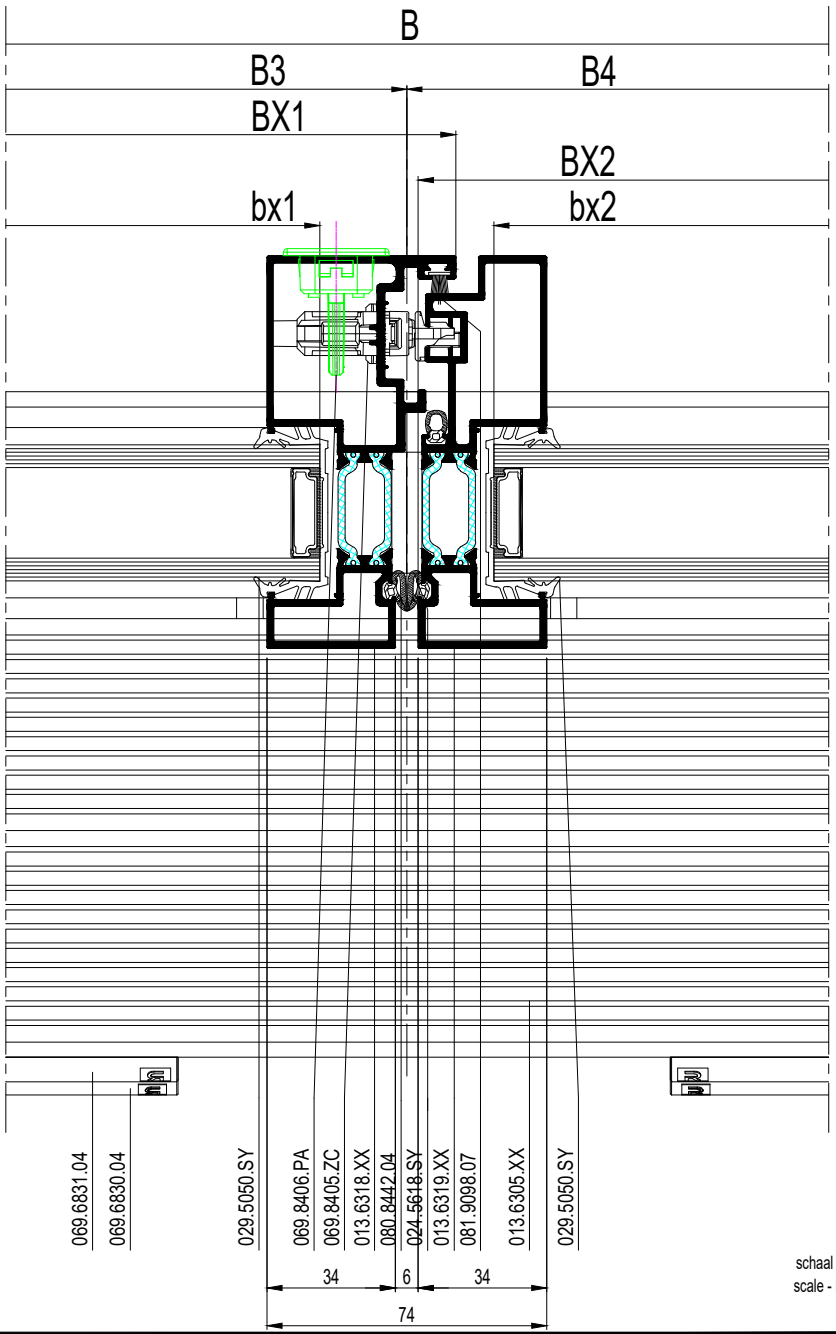
schaal - échelle
scale - Maßstab
1/2



S3L 20



S3L 21



schaal - échelle
scale - Maßstab
1/2

E

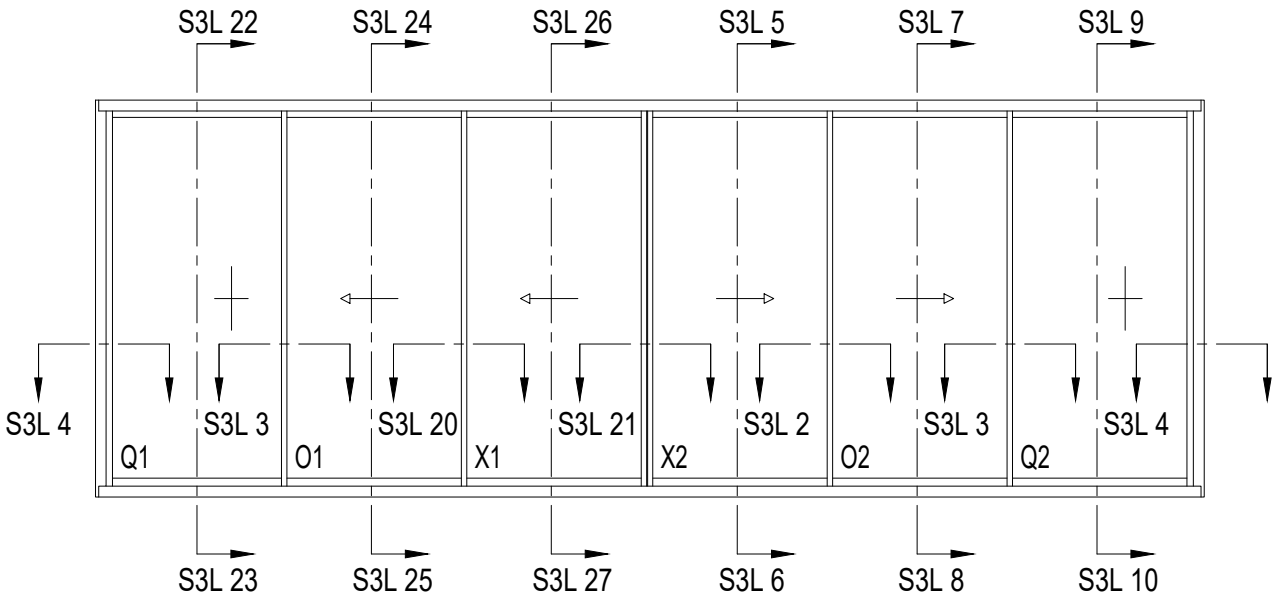
			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1+B2-65
			1	B5+B6-65
			1	B1-65
			1	B6-65
			1	B3-90
			1	B4-90
			1	B-B1-B6-90
013.5385.SY			1	B1+B2-59
			1	B5+B6-59
			1	B1-59
			1	B6-59
			1	B3-50
			1	B4-50
			1	B-B1-B6-50
013.6835.SY			2	B-40
013.6305.XX			1	B3+B4-49
			1	B-B1-B6-49
013.6306.XX			4	H-88
			1	B3+B4-49
			1	B-B1-B6-49
006.1075.--			1	B-92
			1	B1-25
			1	B1+B2-25
			1	B5+B6-25
			1	B6-25

			#	Lm
013.6310.XX			2	H-94
013.6309.XX			4	H-94*
013.6307.XX			4	H-94*
013.5329.SY			8	H-94*
013.5313.XX			2	B1-92.5
			2	B2-1.5
			2	B3-21.5
			2	B4-21.5
			2	B5-1.5
			2	B6-92.5
013.6318.XX			1	H-94
013.6319.XX			1	H-94

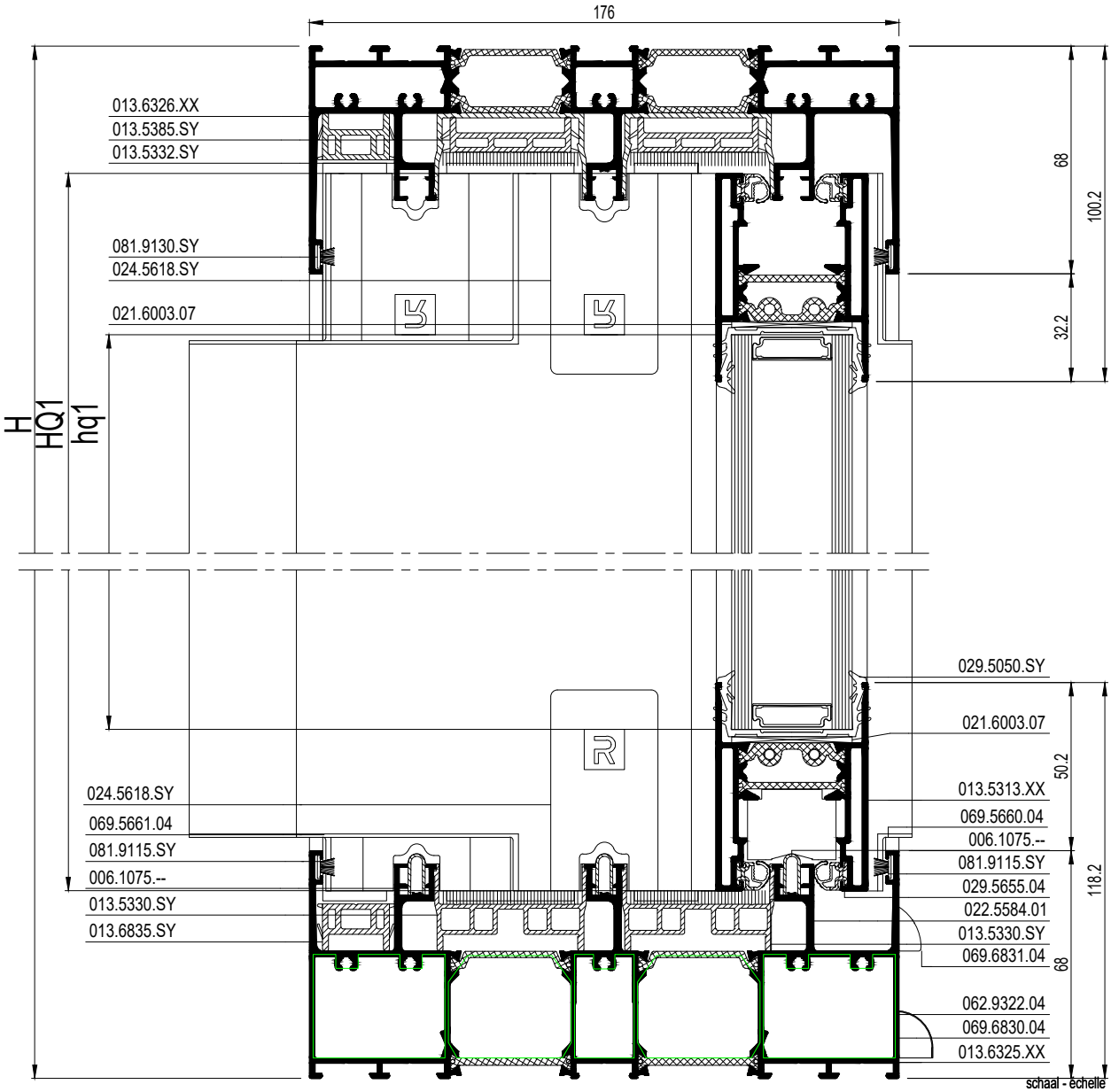
* Assembly before sawing

E

schaal - échelle
scale - Maßstab
1/2



S3L 22



S3L 23

schaal - échelle
scale - Maßstab
1/2

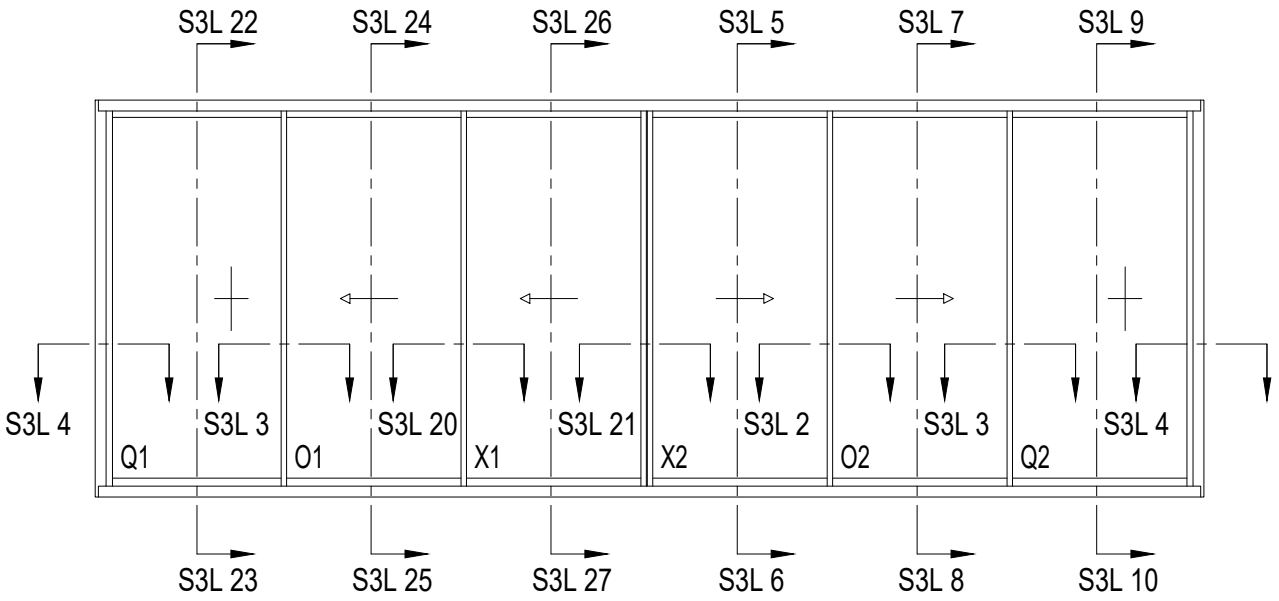
		#
052.5325.--		68
021.6003.07		24
021.5699.--**		8
024.5618.SY		20
069.5673.SY		4
022.5550.04		5
022.5606.04		5
024.5623.SY		4
024.5622.SY		4
024.5620.SY		4
069.5663.SY		12
062.7142.04		7
022.5584.01		8
069.6830.04		12
069.6831.04		min. 12
029.5050.SY		2B + 12H
029.5655.04		4B + 4H
081.9098.07		9H
081.9115.SY		4B + 4H
062.9322.04		2
080.9728.04		4
069.5660.SY		16
069.5661.SY		8
069.5665.04		1
069.8405.ZC***		1
022.5378.--***		1
069.8406.PA		1
080.8442.04		3H
062.7715.XX		4
050.5055.--		4
024.5605.04		72
069.5672.SY		8
065.6555.04		2
069.5653.SY		3
021.5705.--		4
022.5418.04		2
024.5642.04		4

BQ1 = B1-21.5	HQ1 = H-94
BO1 = B2+33.5	HO1 = H-94
BX1 = B3+29.5	HX1 = H-94
BX2 = B4+13.5	HX2 = H-94
BO2 = B5+33.5	HO2 = H-94
BQ2 = B6-21.5	HQ2 = H-94
bq1 = BQ1-76	hq1 = HQ1-96.4
bo1= BO1-40	ho1 = HO1-96.4
bx1= BX1-56	hx1 = HX1-96.4
bx2 = BX2-40	hx2 = HX2-96.4
bo2= BO2-40	ho2 = HO2-96.4
bq2 = BQ2-76	hq2 = HQ2-96.4

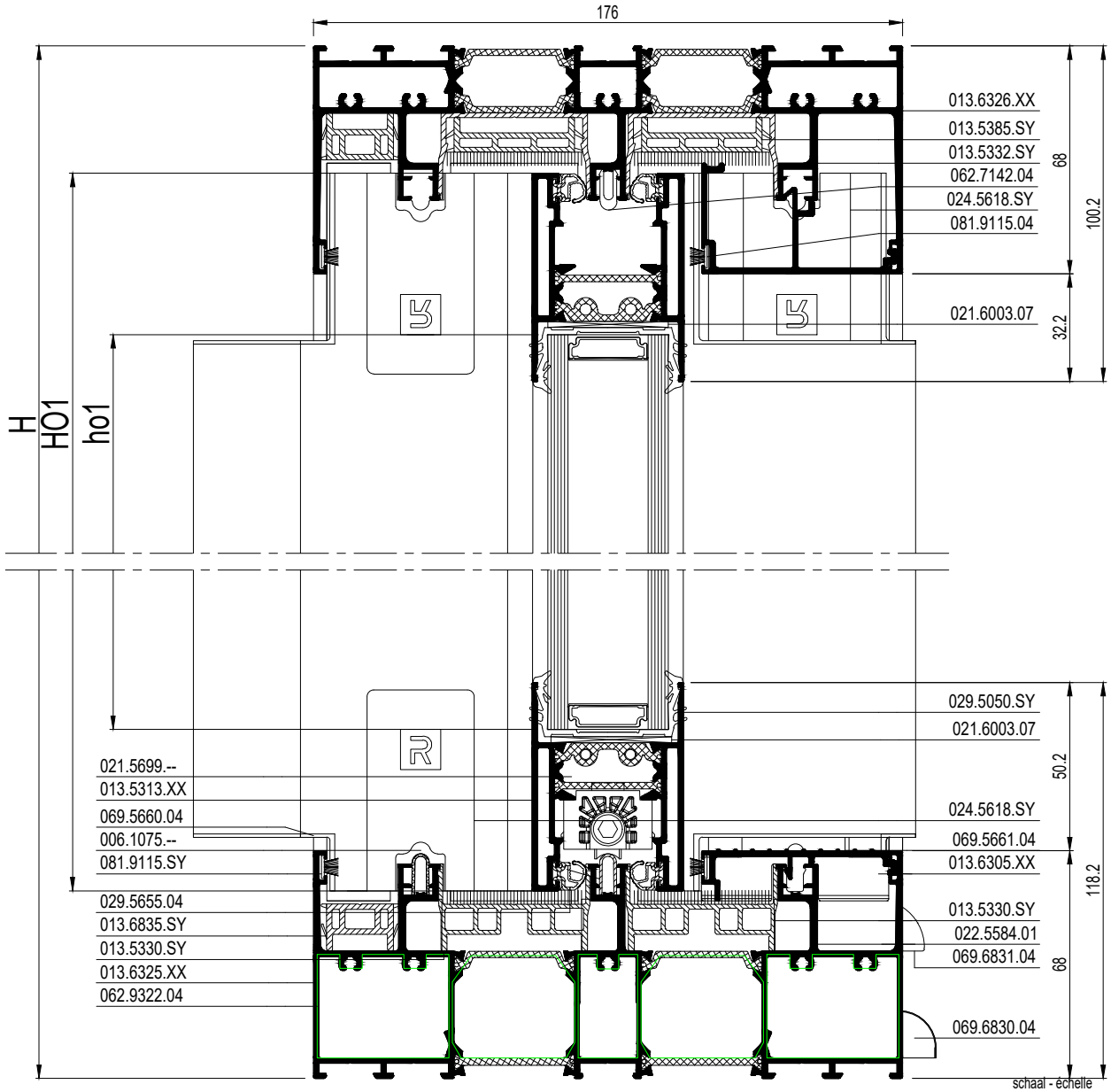
** See 47J.F. ...
*** See 47J.F. ...

E

schaal - échelle
scale - Maßstab
1/2



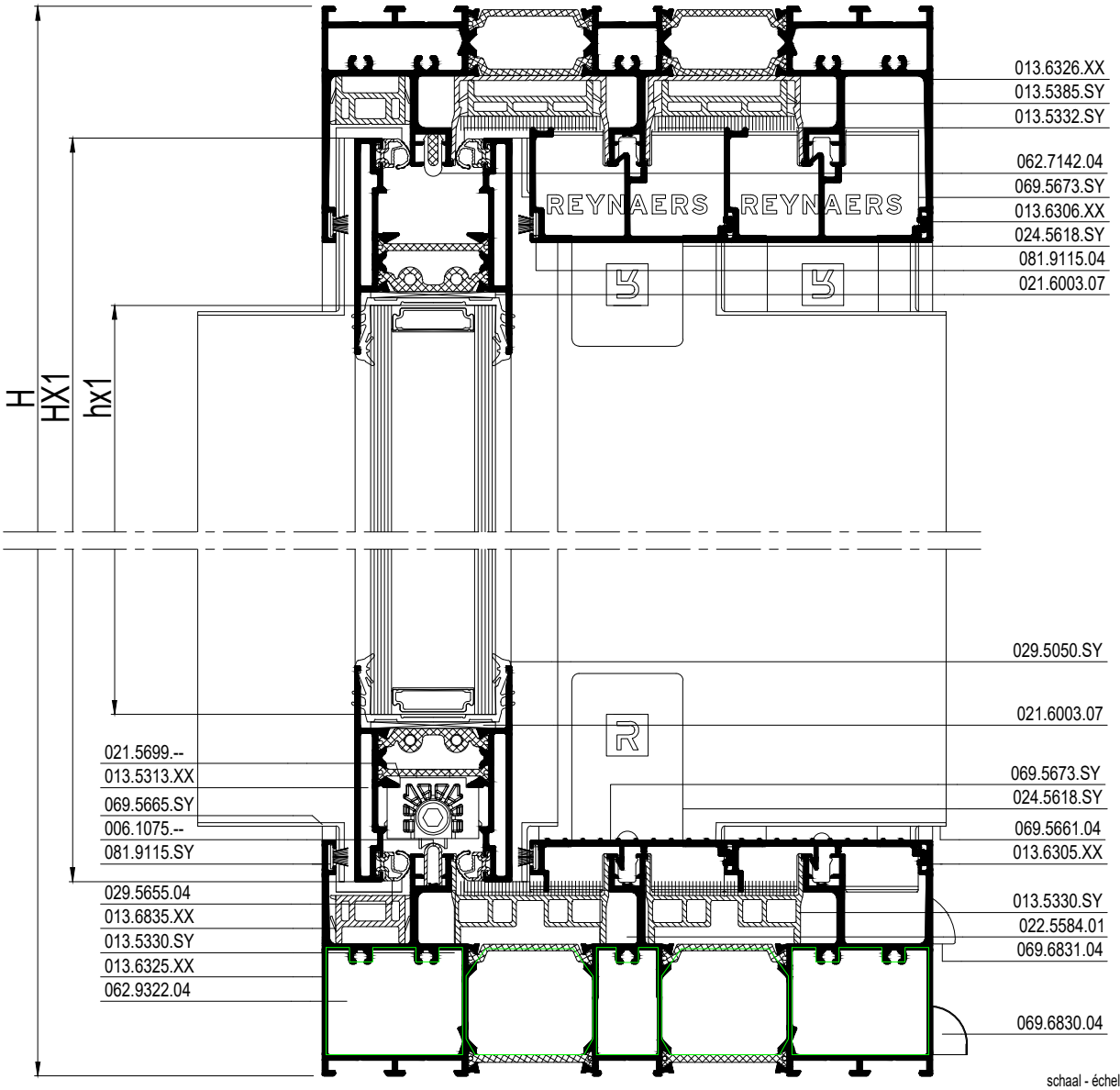
S3L 24



S3L 25

schaal - échelle
scale - Maßstab
1/2

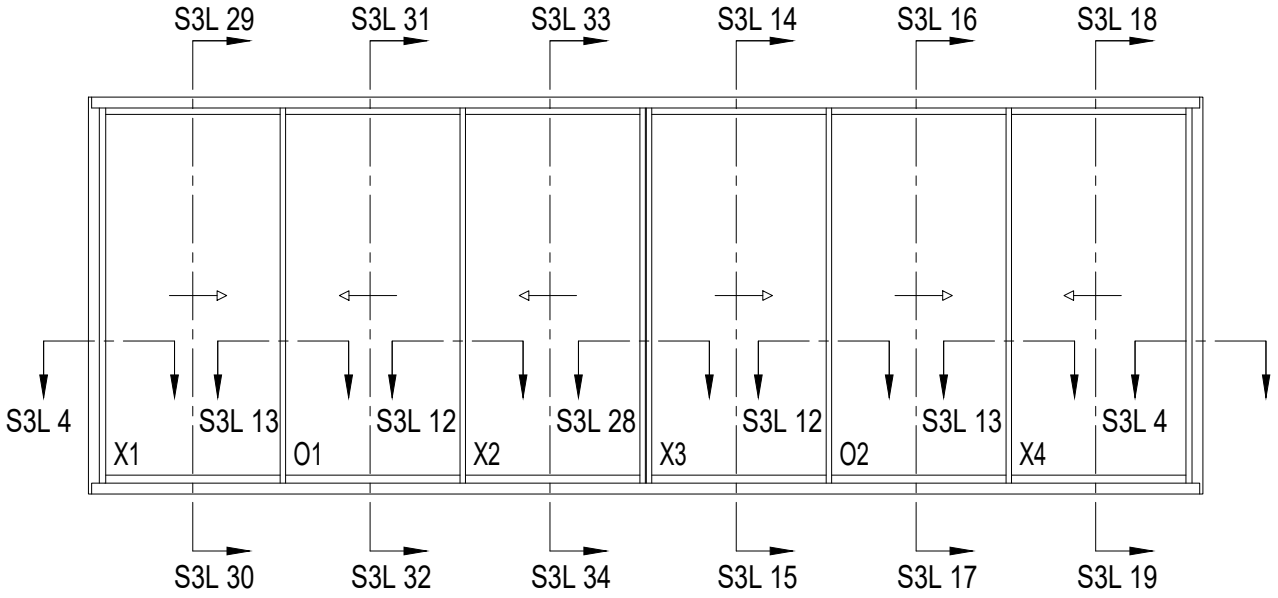
S3L 26



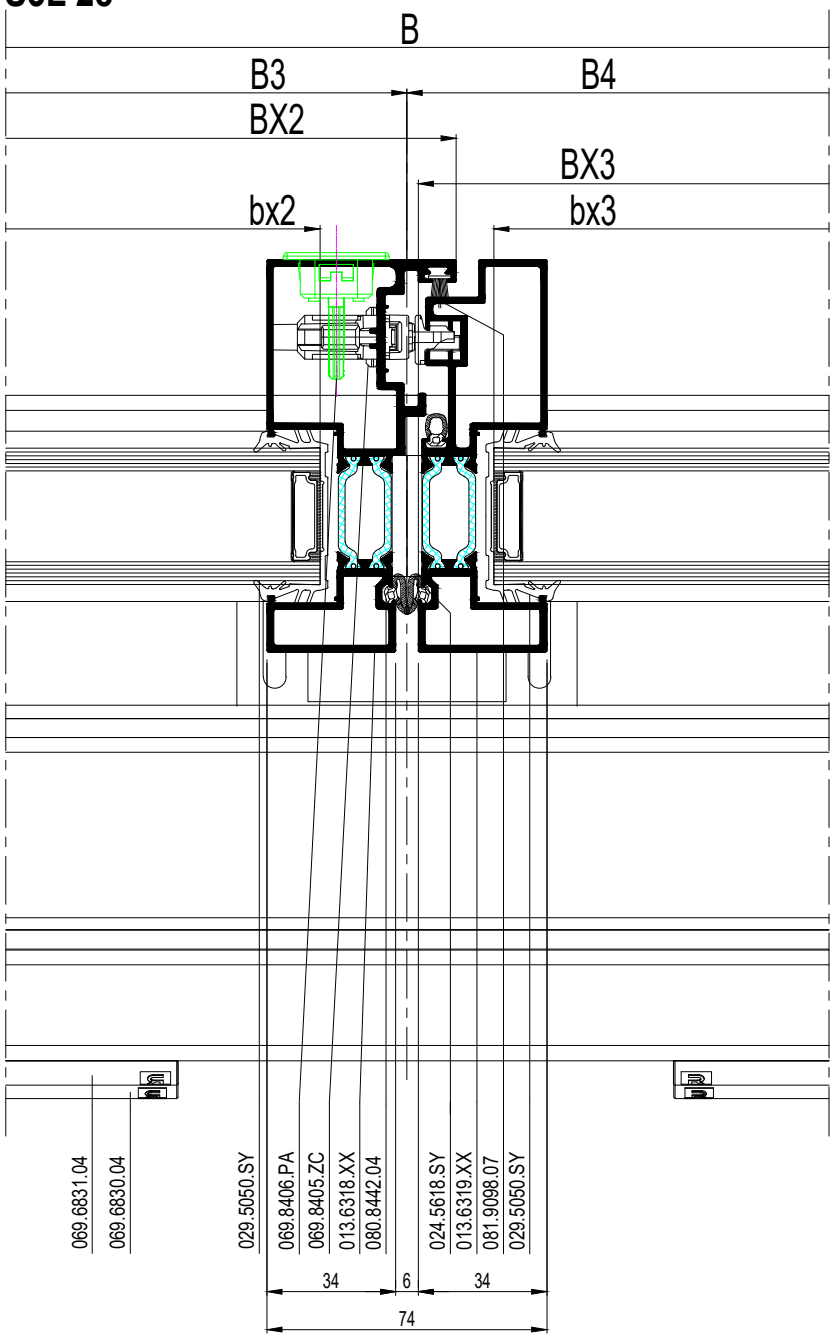
S3L 27

schaal - échelle
scale - Maßstab
1/2

E



S3L 28



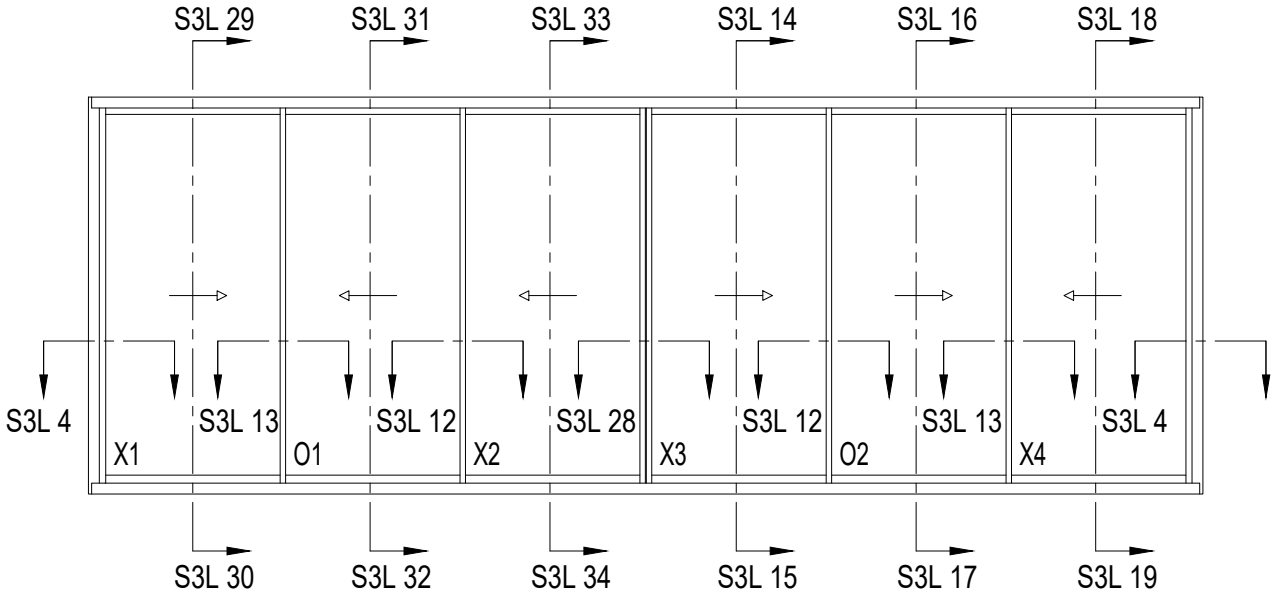
schaal - échelle
scale - Maßstab
1/2

E

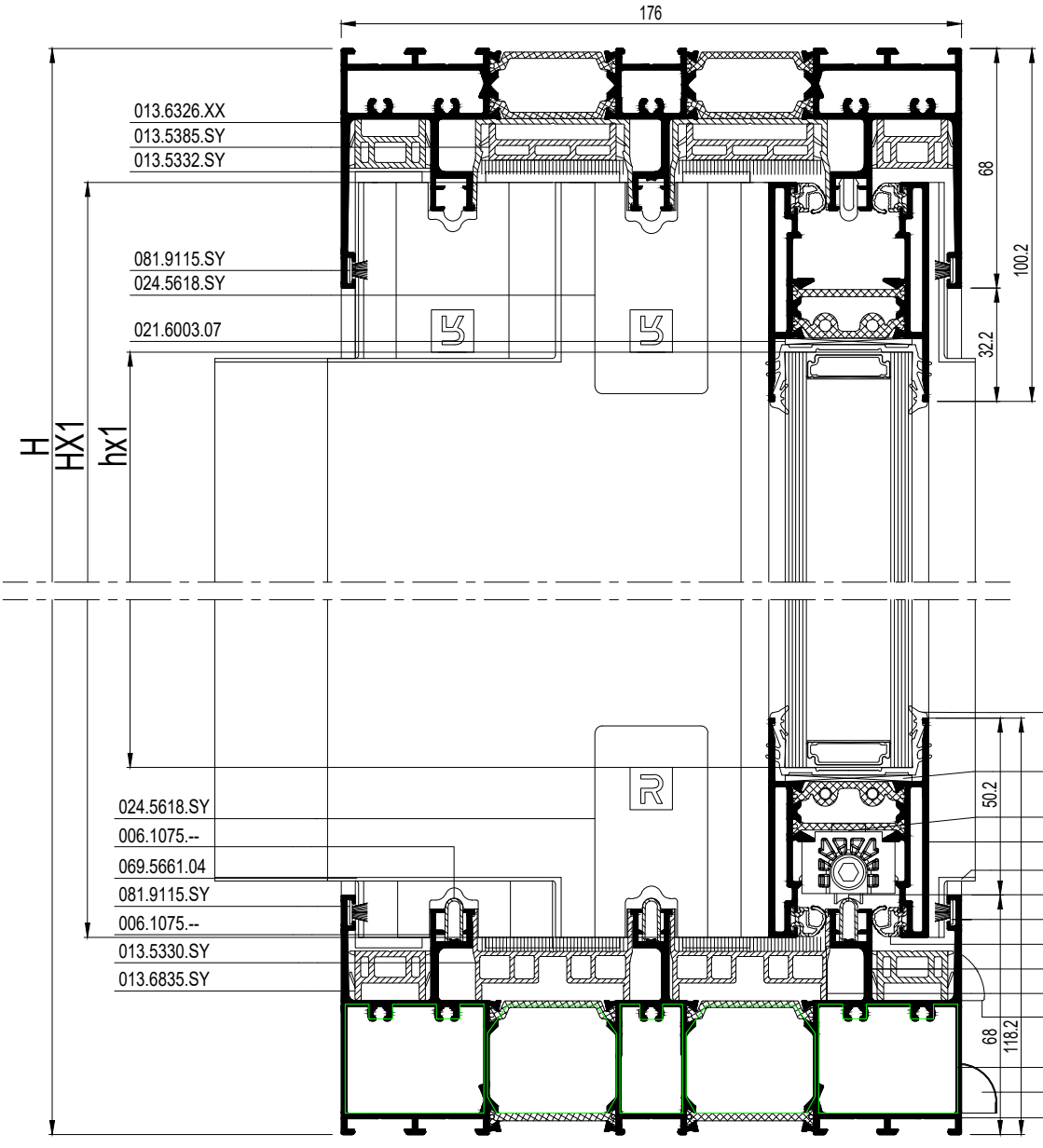
			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1+B2-65
			1	B5+B6-65
			1	B1-65
			1	B6-65
			1	B3-90
			1	B4-90
			1	B-B1-B6-90
013.5385.SY			1	B1+B2-59
			1	B5+B6-59
			1	B1-59
			1	B6-59
			1	B3-50
			1	B4-50
			1	B-B1-B6-50
013.6835.SY			4	B-40
			2	H-86
013.6306.XX			4	H-88
006.1075.--			3	B-92
013.6310.XX			2	H-94
013.6309.XX			4	H-94*
013.6307.XX			4	H-94*
013.5329.SY			8	H-94*
013.5313.XX			2	B1-92.5
			2	B2-1.5
			2	B3-21.5
			2	B4-21.5
			2	B5-1.5
			2	B6-92.5
013.6318.XX			1	H-94
013.6319.XX			1	H-94

* Assembly before sawing

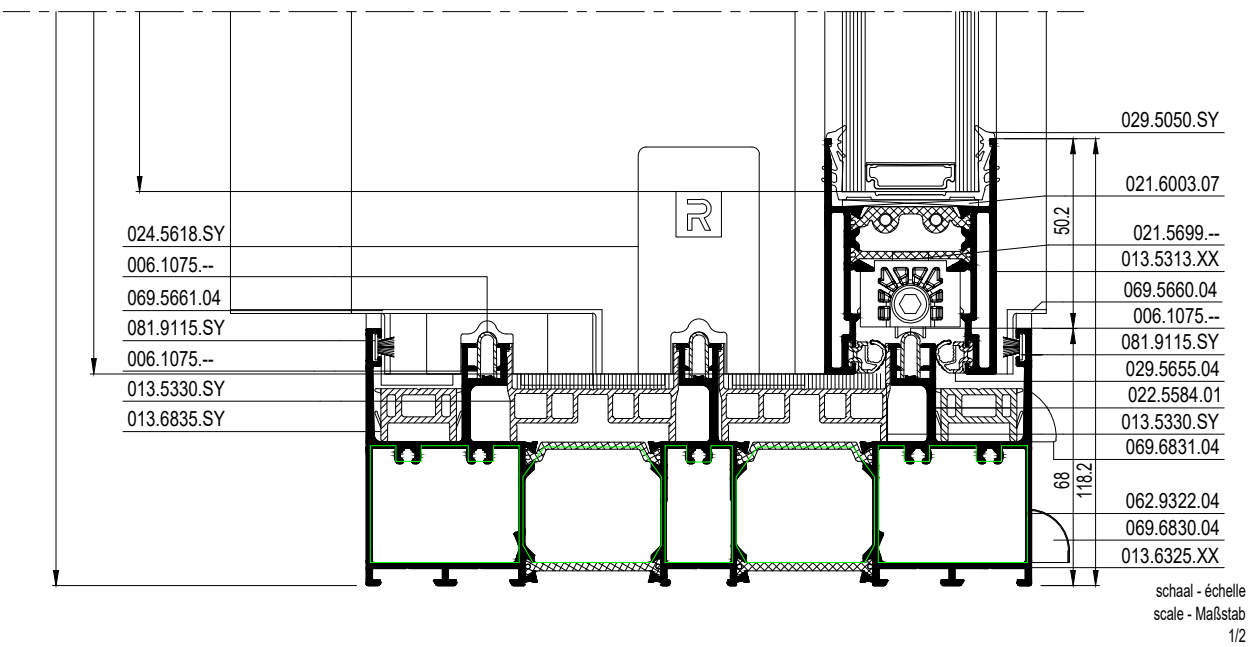
schaal - échelle
scale - Maßstab
1/2



S3L 29



S3L 30



schaal - échelle
scale - Maßstab
1/2

E

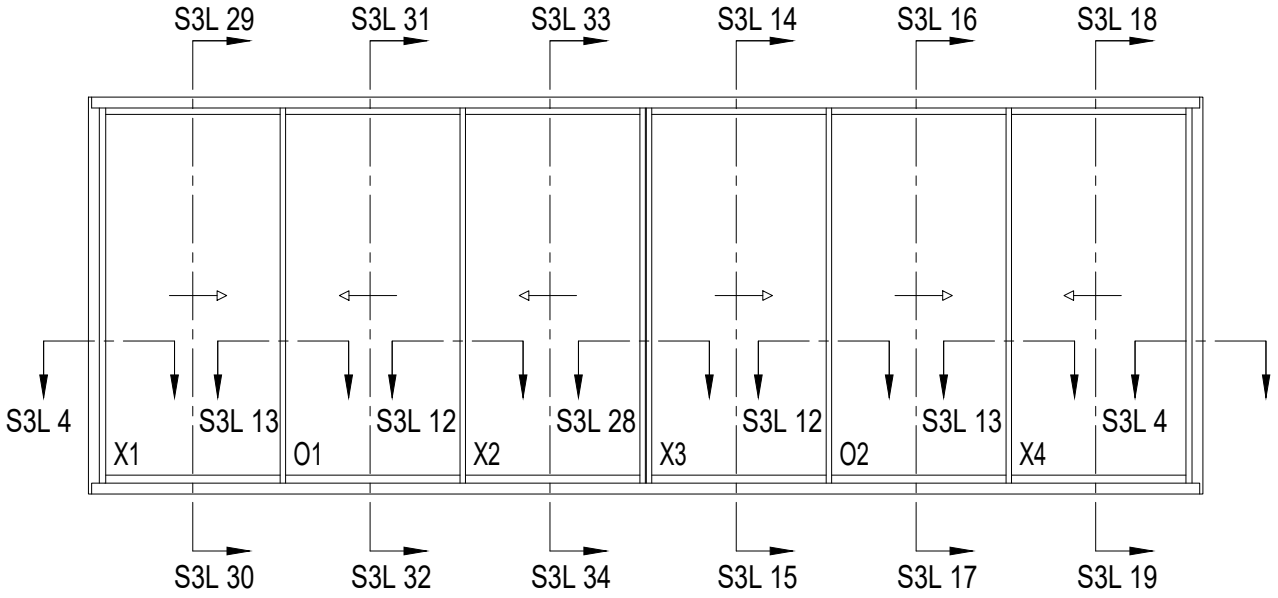
		#
052.5325.--		68
021.6003.07		24
021.5699.--**		12
024.5618.SY		20
022.5550.04		5
022.5606.04		5
024.5623.SY		4
024.5622.SY		4
024.5620.SY		4
069.5663.SY		12
062.7142.04		9
022.5584.01		8
069.6830.04		12
069.6831.04		min. 12
029.5050.SY		2B + 12H
029.5655.04		4B + 4H
081.9098.07		9H
081.9115.SY		4B + 4H
062.9322.04		2
080.9728.04		4
069.5660.SY		12
069.5661.SY		8
069.5665.04		1
069.8405.ZC***		3
022.5378.--***		3
069.8406.PA		1
069.8408.PA		2
080.8442.04		3H
062.7715.XX		6
050.5055.--		6
024.5605.04		72
069.5672.SY		8
065.6555.04		2
069.5653.SY		3
024.5642.04		4
069.8447.--		2
062.7147.SY		2

** See 47J.F. ...
*** See 47J.F. ...

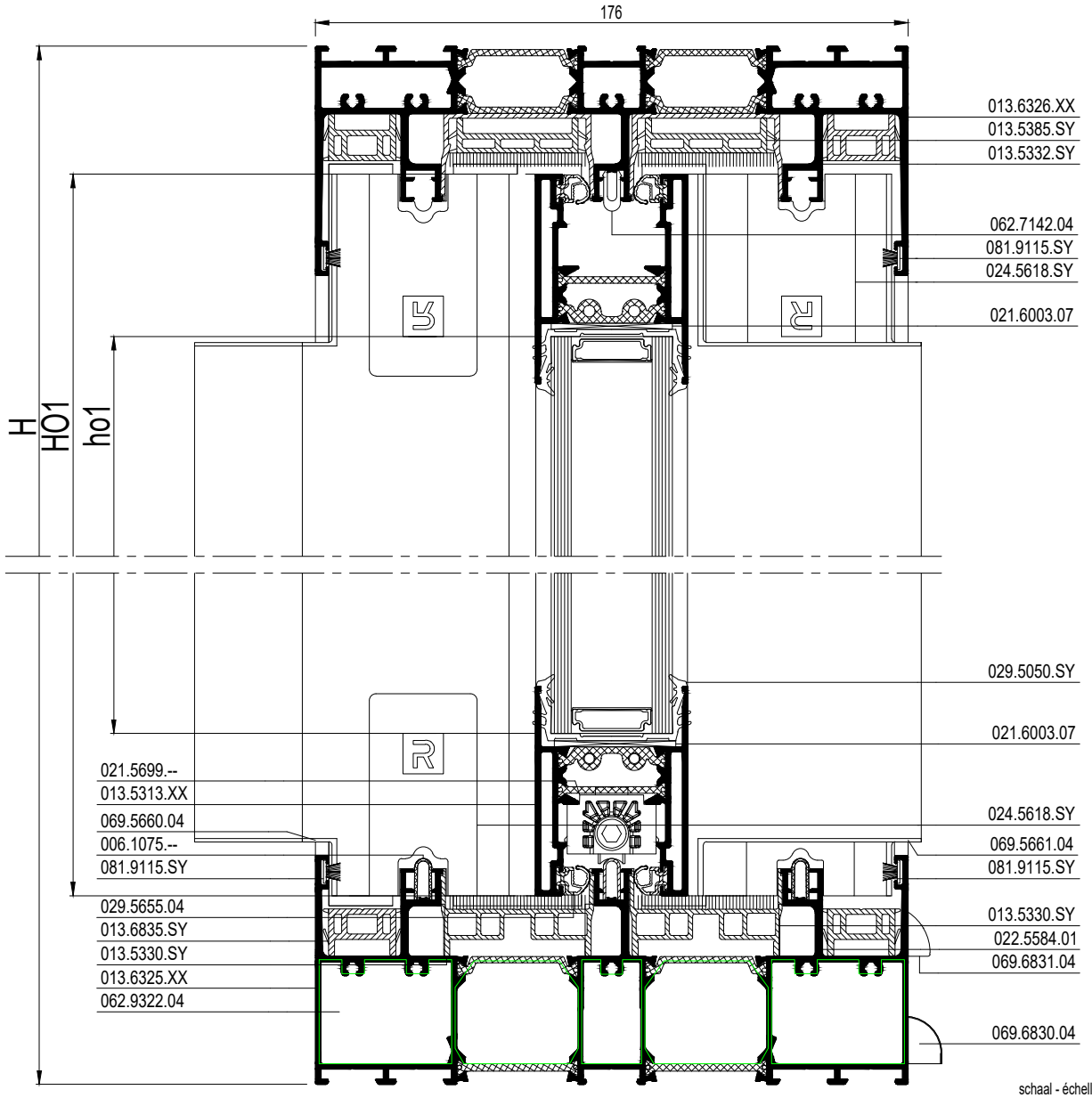
BX1 = B1-21.5	HX1 = H-94
BO1 = B2+33.5	HO1 = H-94
BX2 = B3+29.5	HX2 = H-94
BX3 = B4+13.5	HX3 = H-94
BO2 = B5+33.5	HO2 = H-94
BX4 = B6-21.5	HX4 = H-94
bx1 = BX1-76	hx1 = HX1-96.4
bo1= BO1-40	ho1 = HO1-96.4
bx2= BX2-56	hx2 = HX2-96.4
bx3= BX3-40	hx3 = HX3-96.4
bo2= BO2-40	ho2 = HO2-96.4
bx4 = BX4-76	hx4 = HX4-96.4

E

schaal - échelle
scale - Maßstab
1/2



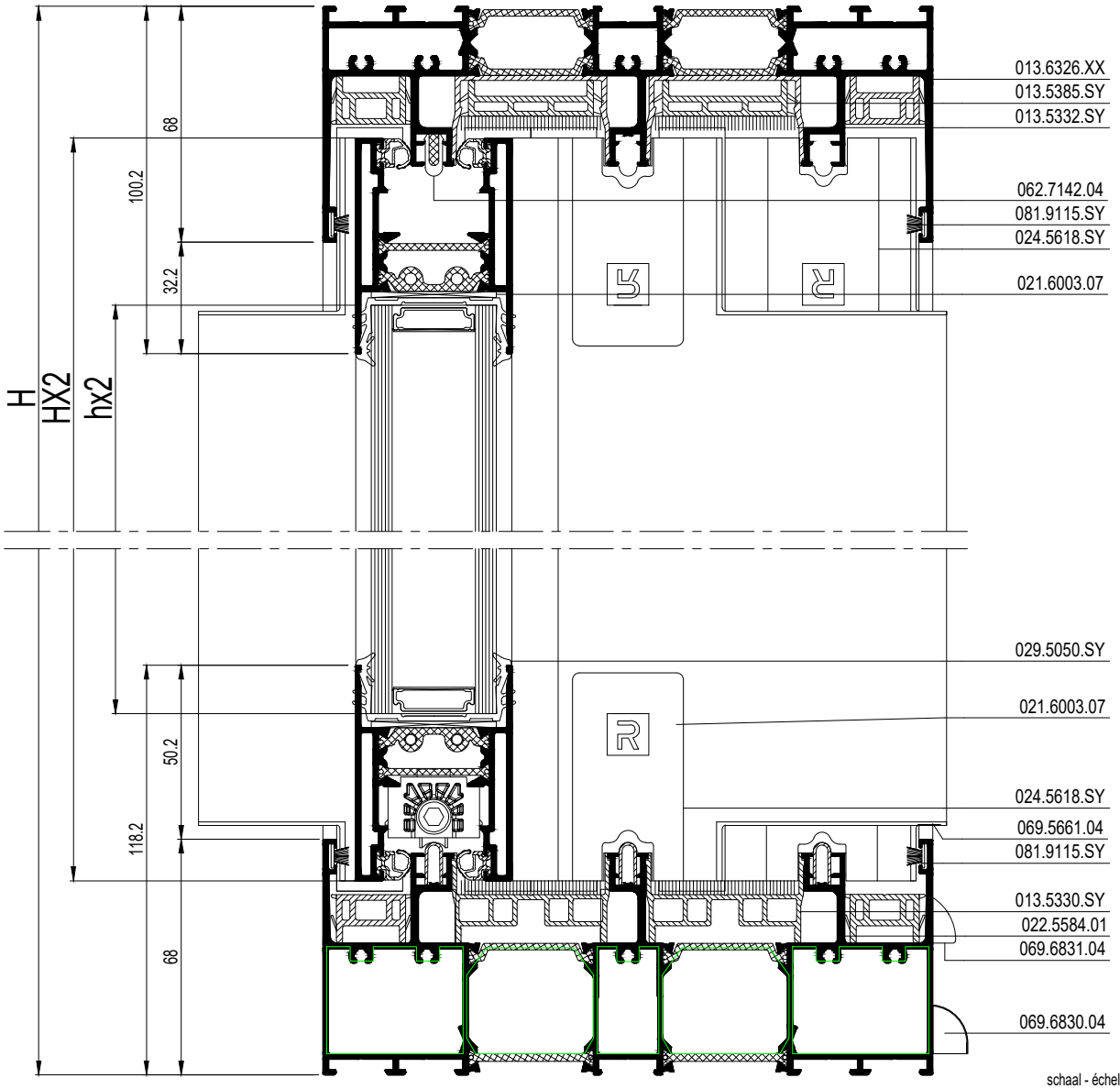
S3L 31



S3L 32

schaal - échelle
scale - Maßstab
1/2

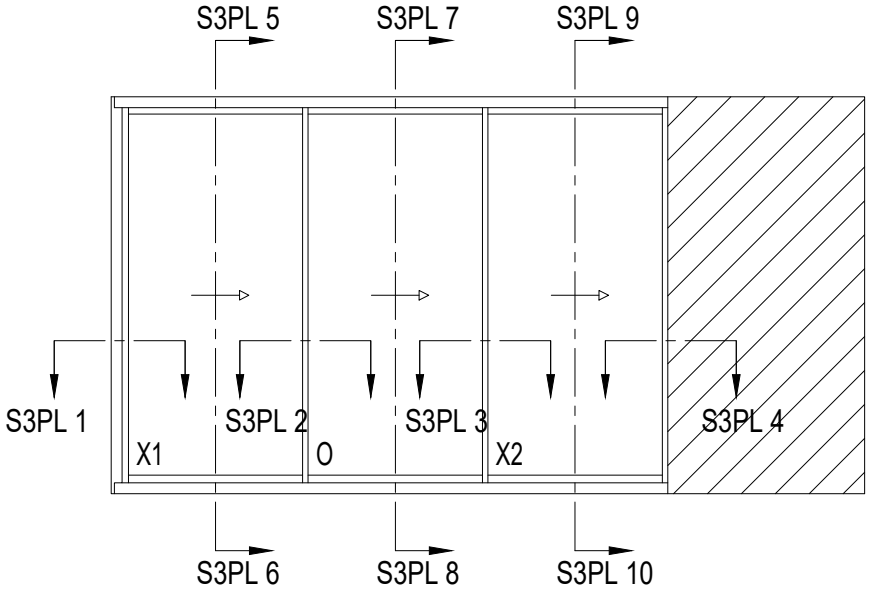
S3L 33



S3L 34

schaal - échelle
scale - Maßstab
1/2

E



			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1-65
			1	B1+B2-65
			1	B2+B3-90
			1	B3-90
			2	B-B1-B2-B3-65
013.5385.SY			1	B1-59
			1	B2-B3-50
			2	B-B1-B2-B3-59
			1	B1+B2-59
			1	B3-50
013.6835.SY			1	H-86
			2	B1+B2+B3-54
			2	B3-17
013.6305.XX			1	B1-92.5
			1	B1+B2-92.5
013.6306.XX			4	H-88
			1	B1-92.5
			1	B1+B2-92.5
006.1075.--			1	B-92
			1	B-B1-25
			1	B-B1-B2-25
013.6310.XX			1	H-94*
013.6309.XX			2	H-94*

013.6336.XX			1	H-94*
013.6307.XX			3	H-94*
013.5329.SY			4	H-94*
			1	H-160
013.5313.XX			2	B1-92
			2	B2-1
			2	B3-18
013.6331.XX			1	H-136
013.6332.XX			1	H-136
013.6333.XX			1	H-136
013.6328.XX			1	H-136

* Assembly before sawing

schaal - échelle
scale - Maßstab
1/2

		#
052.5325.--		44
052.5300.--		min. 8
021.6003.07		12
021.5699.--**		6
024.5618.SY		18
022.5550.04		4
022.5606.04		4
069.5673.SY		2
024.5623.SY		2
024.5622.SY		2
024.5620.SY		3
069.5663.SY		2
062.7142.04		7
062.7147.SY		1
022.5584.01		6
069.6830.04		6
069.6831.04		min. 6
029.5050.SY		2B1+2B2+2B3
		6H
029.5655.04		4B1+4B2+4B3
		4H
081.9098.07		6H
081.9130.SY		2H
081.9115.SY		2H + 4B
062.9322.04		2
080.9728.04		4
069.5660.04		14
069.8405.ZC***		1
022.5378.--***		2
069.8447.--		1
069.8408.PA		1
069.5672.SY		4
062.7715.XX		1
050.5055.--		1
024.5605.04		36
065.6555.04		2
069.5653.SY		3
069.8422.04		3
069.5675.04		1

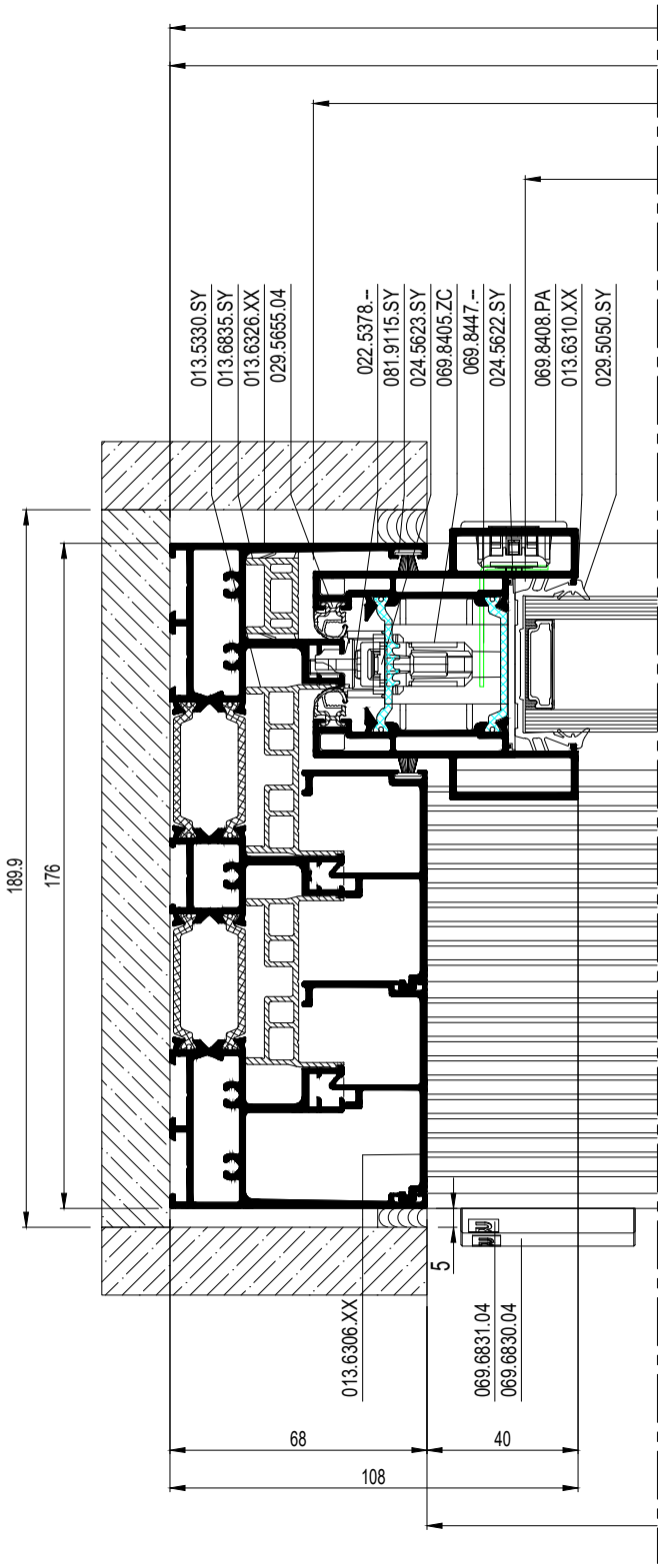
B = 4/3TB + 101.5
B1 = TB/3 + 77
B2 = TB/3 - 13.5
B3 = TB/3 + 4
BX = B1 - 21
BO1 = B2 + 34
BO2 = B3 +17
HX = H - 94
HO1 = H - 94
HO2 = H - 94
bx = BX - 76
bo1 = BO1 - 40
bo2 = BO2 - 40
bx = bo1 = bo2
hx = HX - 96.4
ho1 = HO1 - 96.4
ho2 = HO2 - 96.4

** See 47J.F. ...
*** See 47J.F. ...

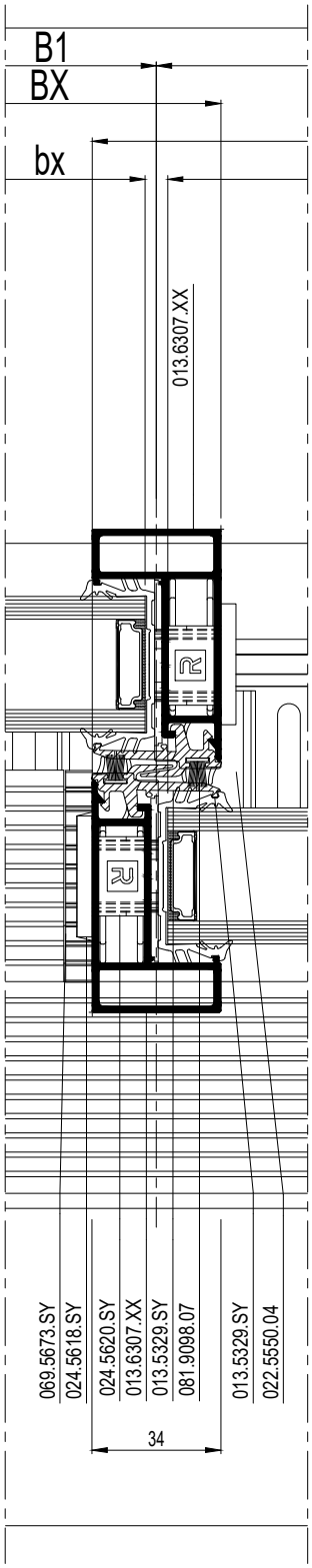
MIDDENSTE VLEUGEL ALTIJD MET PROFIEL 013.6309.XX
OUVRANT MOYEN TOUJOURS AVEC PROFIL 013.6309.XX
MIDDLE VENT ALWAYS WITH PROFILE 013.6309.XX
MITTLERE FLUEGEL IMMER MIT PROFIL 013.6309.XX

schaal - échelle
scale - Maßstab
1/2

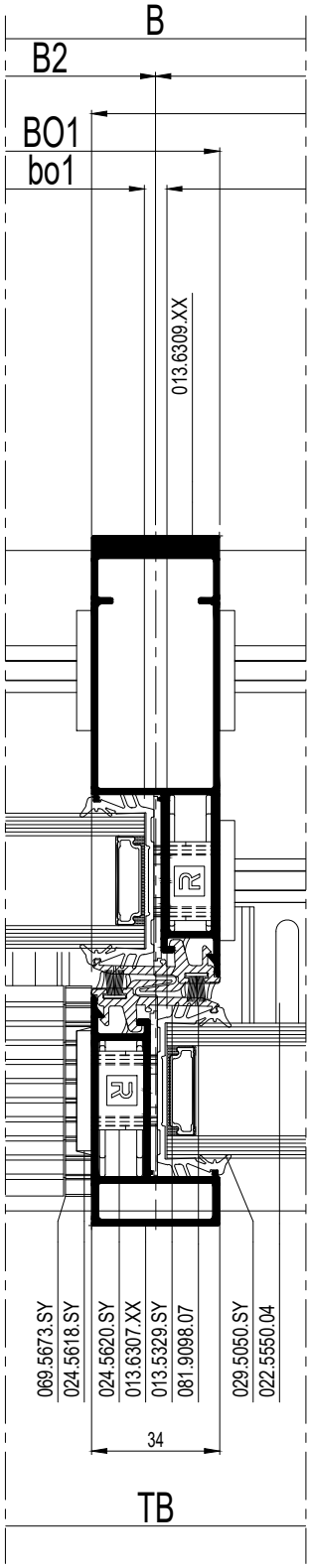
S3PL 1



S3PL 2

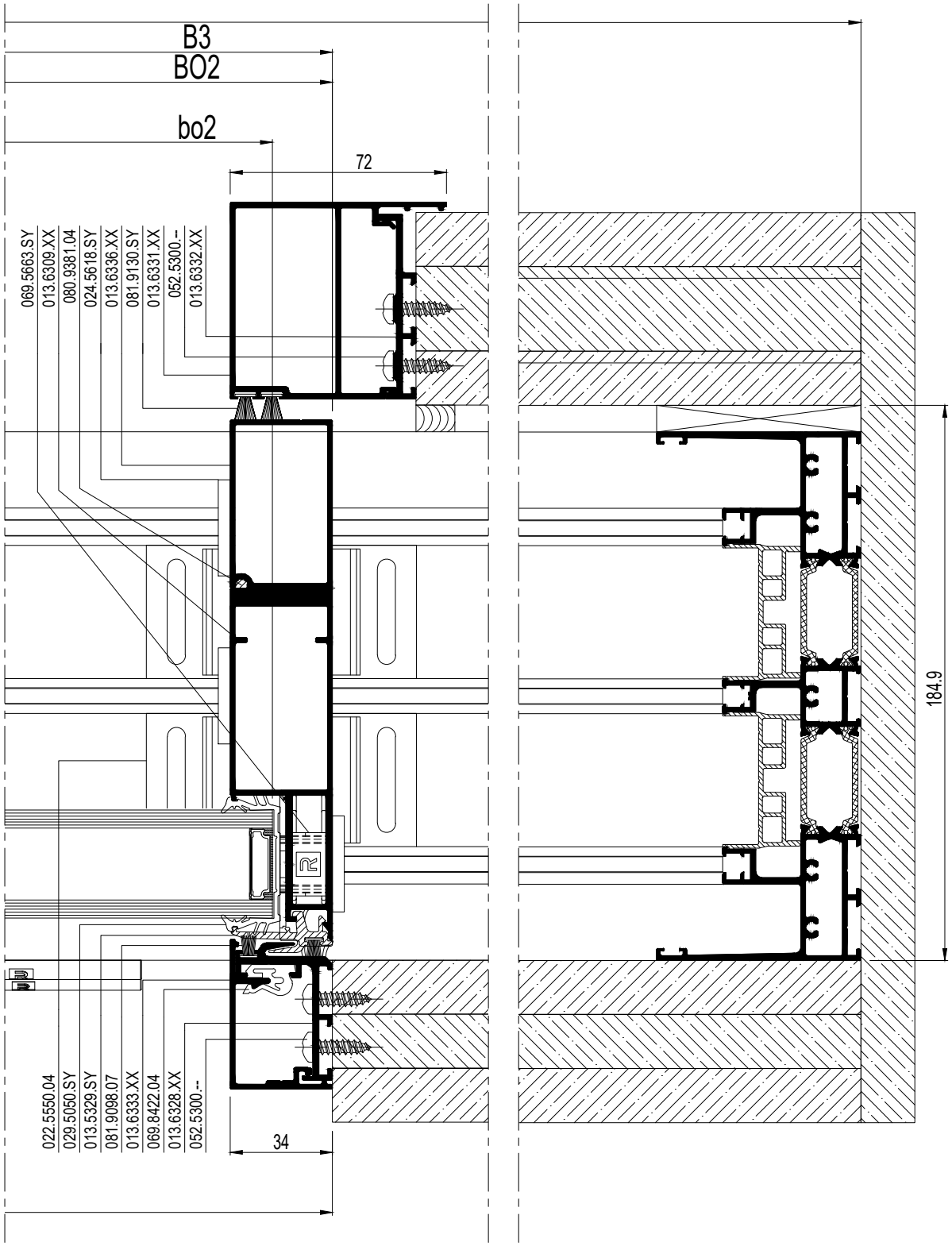


S3PL 3

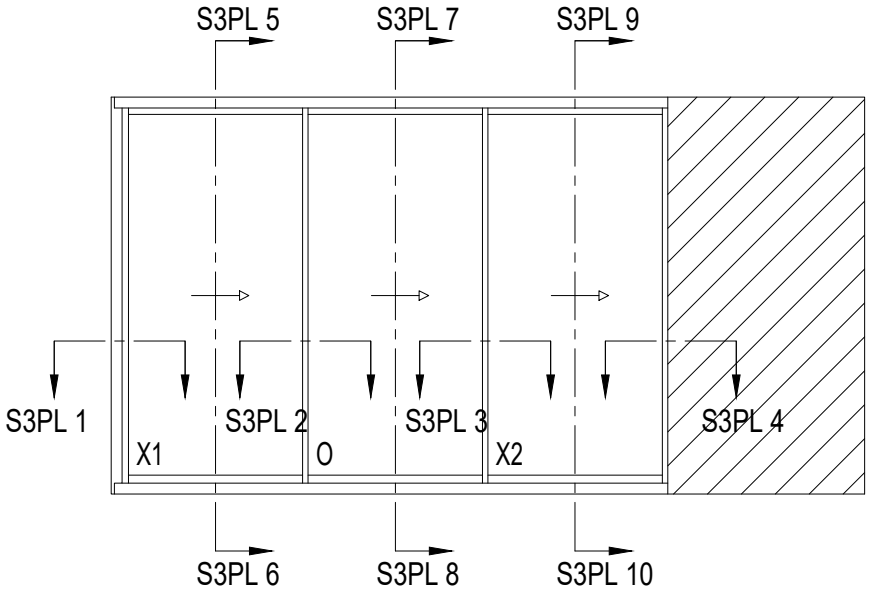


schaal - échelle
scale - Maßstab
1/2

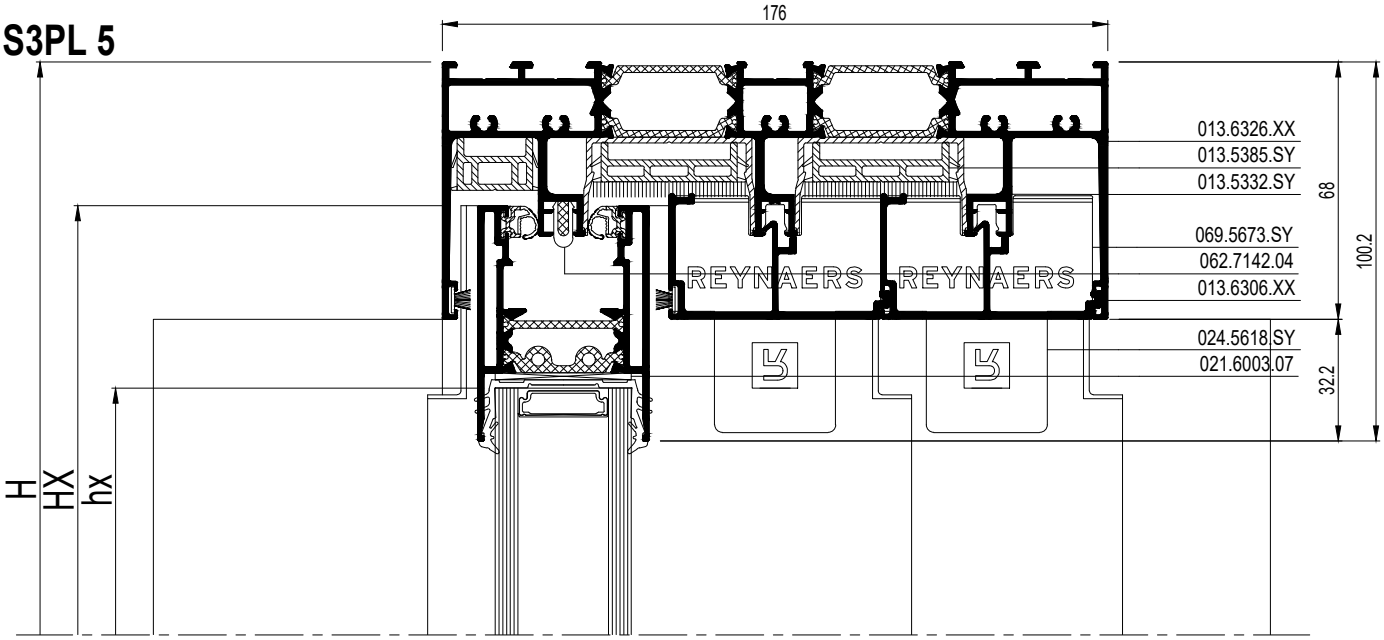
S3PL 4



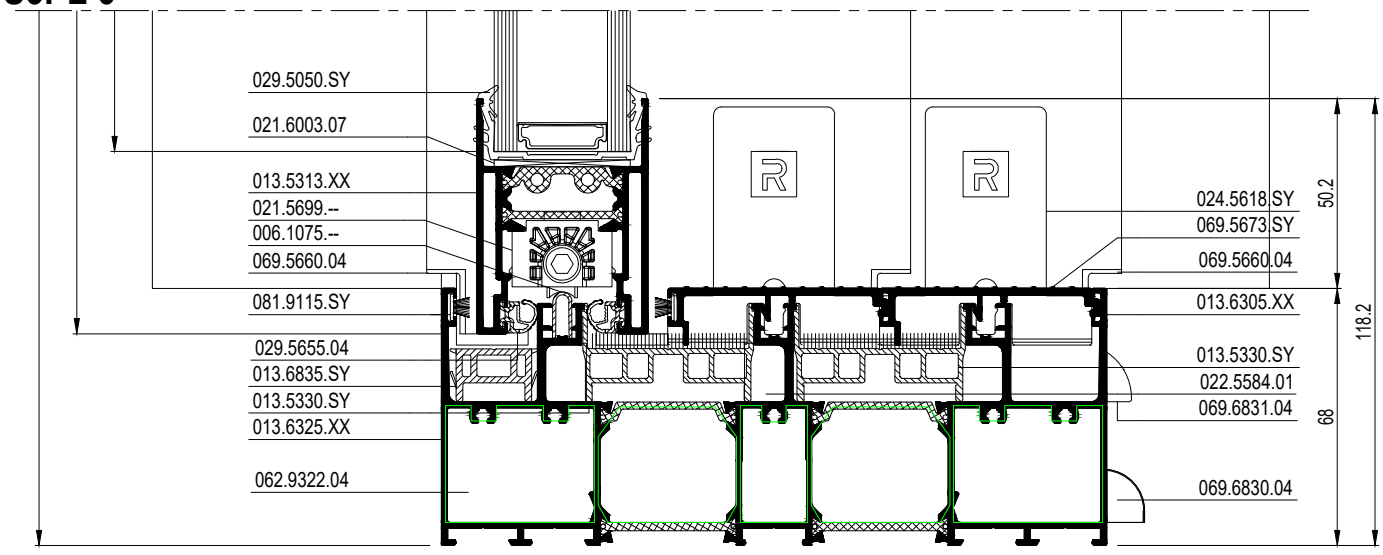
schaal - échelle
scale - Maßstab
1/2



S3PL 5

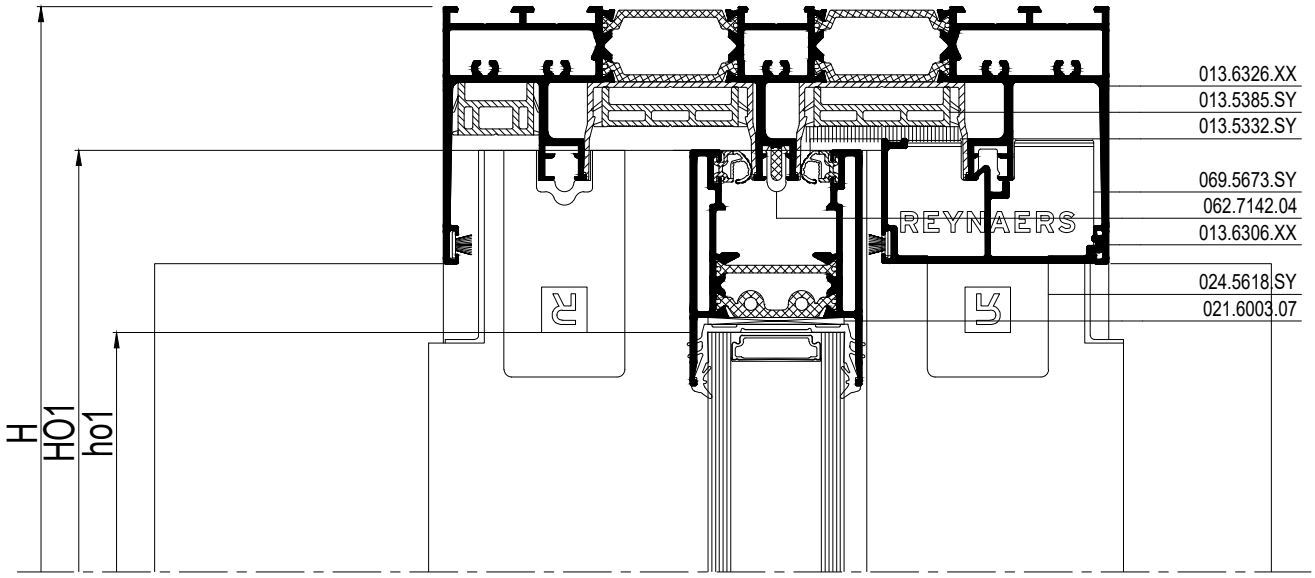


S3PL 6

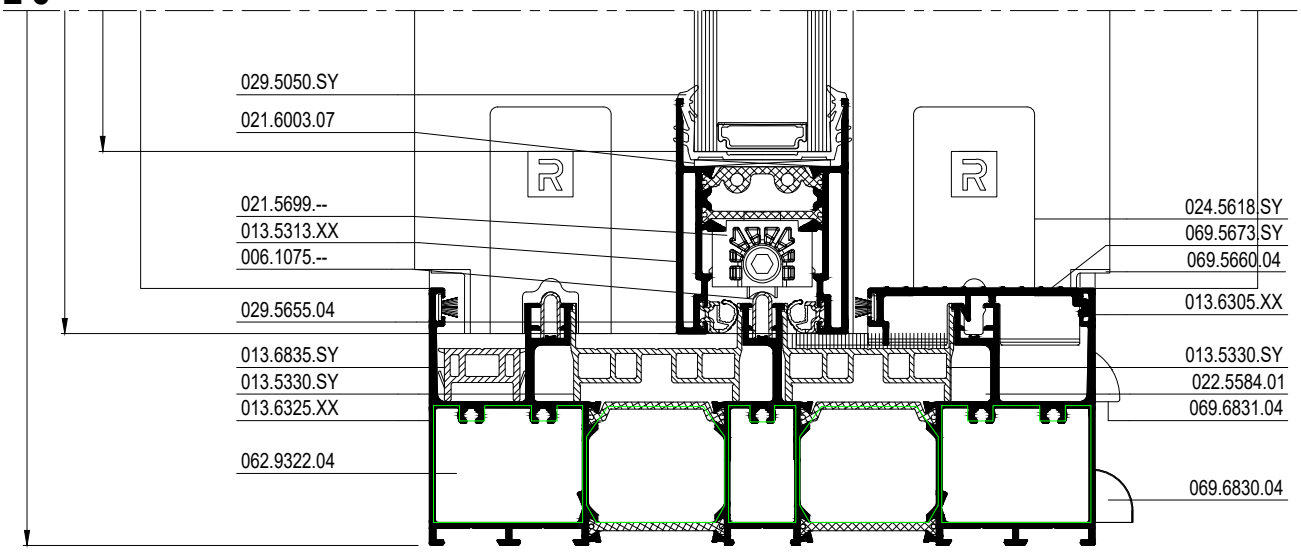


schaal - échelle
scale - Maßstab
1/2

S3PL 7

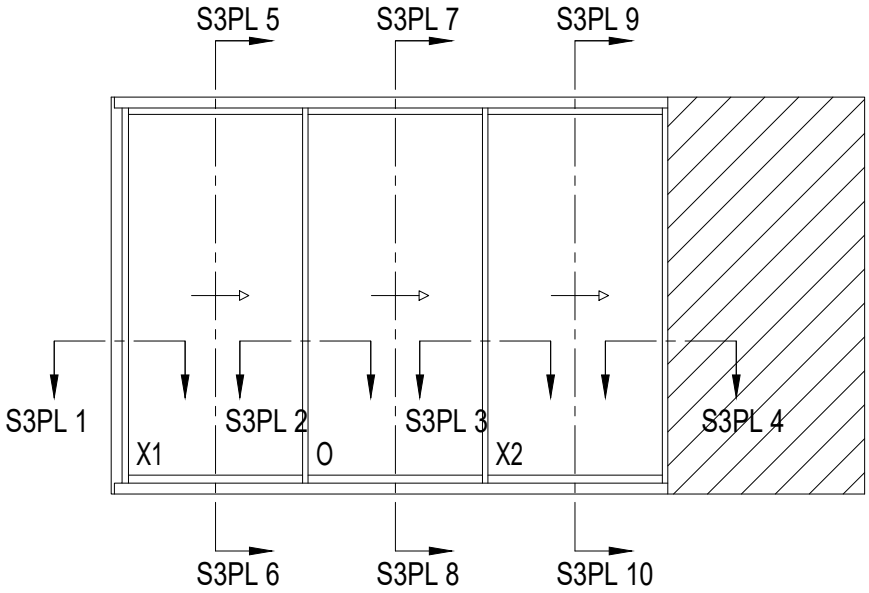


S3PL 8

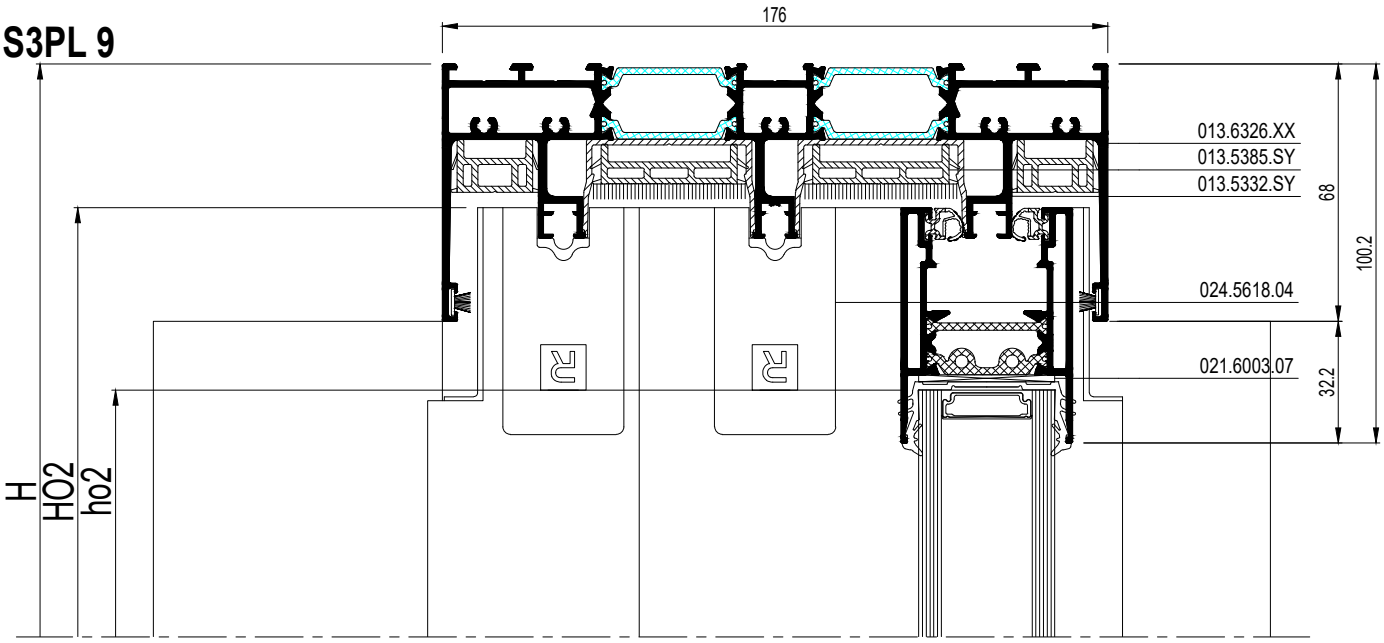


schaal - échelle
scale - Maßstab
1/2

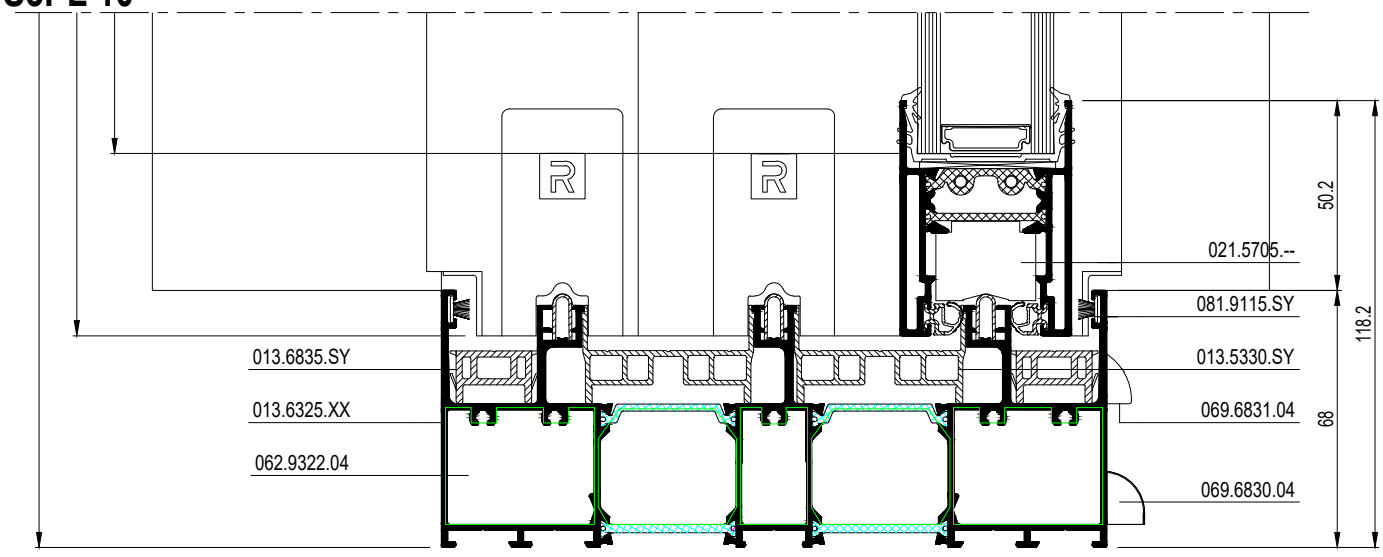
E



S3PL 9

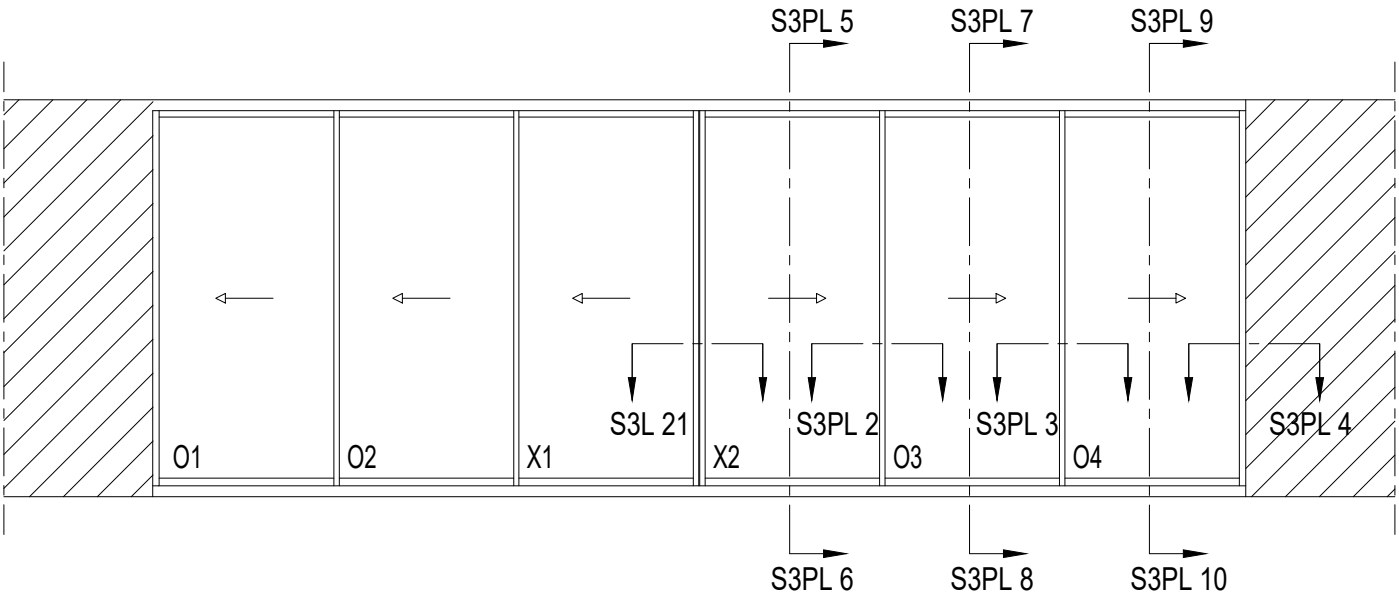


S3PL 10



schaal - échelle
scale - Maßstab
1/2

schaal - échelle
scale - Maßstab
1/2



			#	Lm
013.6326.XX			2	H
			1	B-42
013.6325.XX			1	B-42
013.5332.SY			2	B-40
013.5330.SY			4	H-58
			1	B1+B2-90
			1	B5+B6-90
			1	B3+B4-90
			2	B/2-B1-B2-B3-65
			2	B/2-B4-B5-B6-65
			1	B1-90
			1	B6-90
			1	B2+B3+B4+B5-90
013.5385.SY			1	B1+B2-50
			1	B5+B6-50
			1	B3+B4-50
			2	B/2-B1-B2-B3-59
			2	B/2-B4-B5-B6-59
			1	B1-50
			1	B6-50
			1	B2+B3+B4+B5-50
013.6835.SY			2	B-B1-B6-250
			2	B1-17
			2	B6-17
013.6305.XX			1	B3+B4-49
			1	B2+B3+B4+B5-49
013.6306.XX			1	B3+B4-49
			1	B2+B3+B4+B5-49
006.1075.--			3	B-92

013.6309.XX			4	H-94*
013.6336.XX			2	H-94*
013.6307.XX			6	H-94*
013.5329.SY			10	H-94*
013.5313.XX			2	B1-18
			2	B2-1
			2	B3-21
			2	B4-21
			2	B5-1
			2	B6-18
013.6316.XX			1	H-94
013.6317.XX			1	H-94
013.6331.XX			1	H-136
013.6332.XX			1	H-136
013.6333.XX			1	H-136
013.6328.XX			1	H-136

* Assembly before sawing

schaal - échelle
scale - Maßstab
1/2

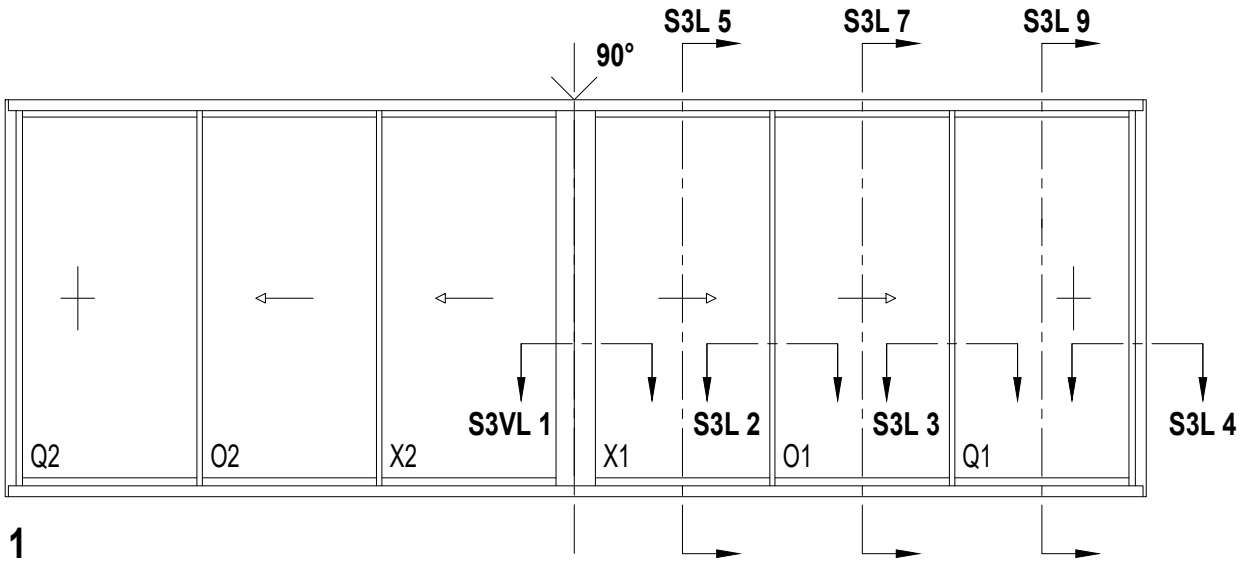
		#
052.5325.--		68
052.5300.--		min. 16
021.6003.07		24
021.5699.--**		12
024.5618.SY		40
022.5550.04		9
022.5606.04		9
024.5620.SY		6
069.5663.SY		12
062.7142.04		15
022.5584.01		13
069.6830.04		12
069.6831.04		min. 12
029.5050.SY		2B1+2B2+2B3
		2B4+2B5+2B6
		12H
029.5655.04		4B1+4B2+4B3
		4B4+4B5+4B6
		4H
081.9098.07		13H
081.9130.SY		4H
081.9115.SY		4B
062.9322.04		2
080.9728.04		4
069.5660.SY		24
069.5665.04		1
069.8405.ZC***		1
022.5378.--***		1
069.8406.PA		1
080.8442.04		3H
062.7715.XX		2
050.5055.--		2
024.5605.04		72
065.6555.04		2
069.5653.SY		3
069.5673.SY		4
069.8422.04		6
069.5675.04		2

B = 4/3TB + 191.5	HO1 = H-94
B1 = TB/6 + 5	HO2 = H-94
B2 = TB/6 +22	HX1 = H-94
B3 = TB/6 + 25	HX2 = H-94
B4 = TB/6 + 25	HO3 = H-94
B5 = TB/6 + 22	HO4 = H-94
B6 = TB/6 + 5	ho1 = HO1-96.4
BO1 = B1+17	ho2 = HO2-96.4
BO2 = B2+34	hx1 = HX1-96.4
BX1 = B3+30	hx2 = HX2-96.4
BX2 = B4+14	ho3 = HO3-96.4
BO3 = B4+34	ho4 = HO4-96.4
BO4 = B6+17	
bo1= BO1-40	
bo2= BO2-40	
bx1 = BX1-56	
bo1=bo2=bx1	
bx2 = BX2-40	
bo3 = BO3-40	
bo4 = BO4-40	
bx2=bo3=bo4	

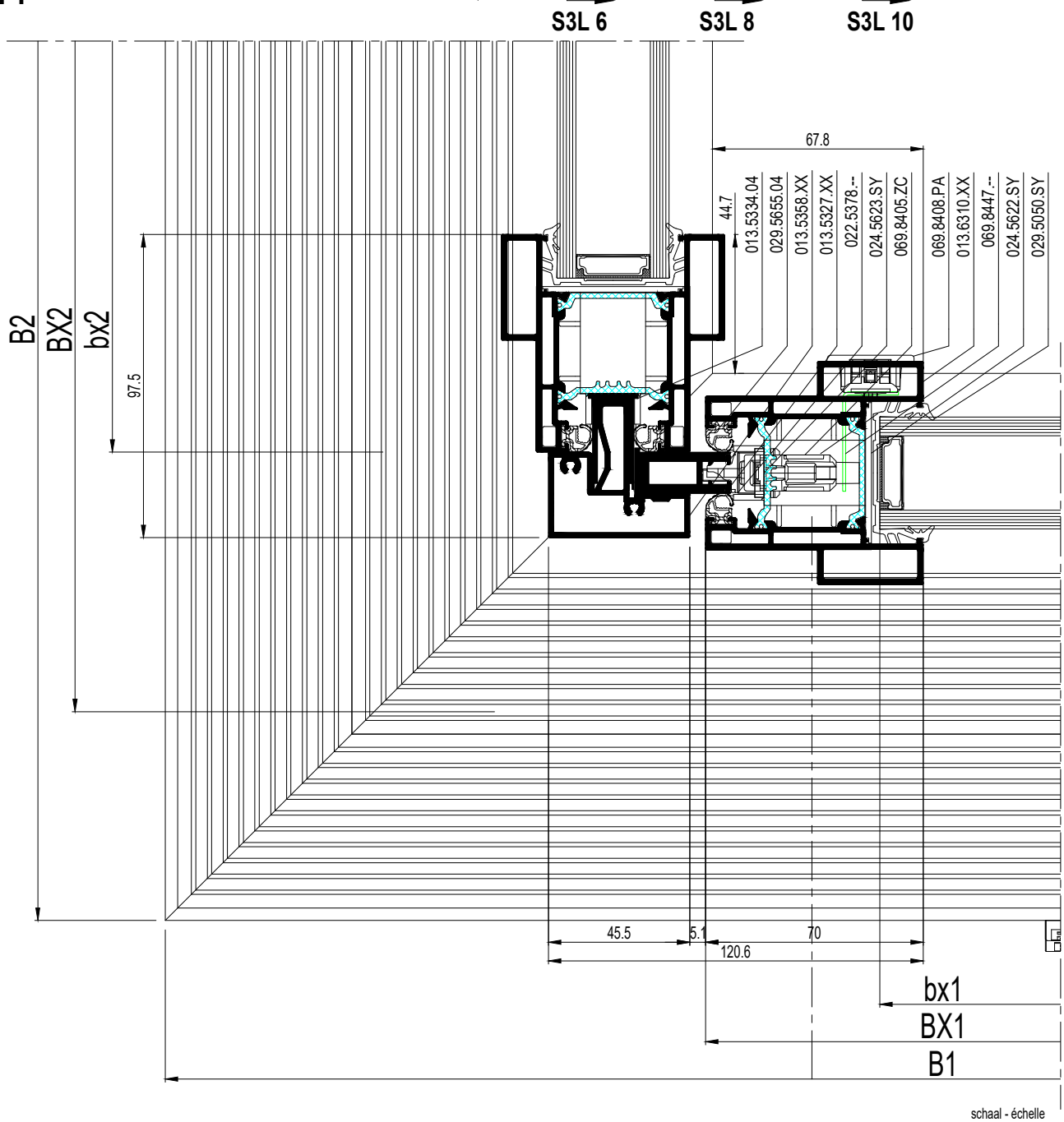
** See 47J.F. ...
*** See 47J.F. ...

MIDDENSTE VLEUGELS ALTIJD MET PROFIEL 013.6309.XX
OUVRANTS MOYEN TOUJOURS AVEC PROFIL 013.6309.XX
MIDDLE VENTS ALWAYS WITH PROFILE 013.6309.XX
MITTLERE FLUEGELS IMMER MIT PROFIL 013.6309.XX

schaal - échelle
scale - Maßstab
1/2

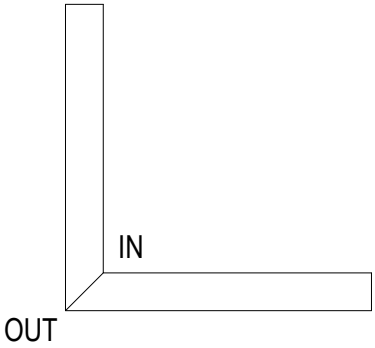


S3VL 1

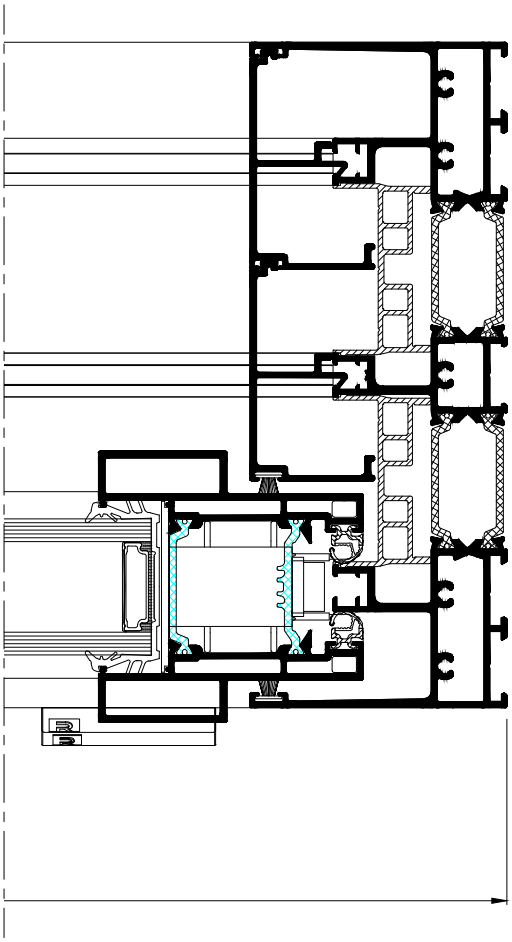


schaal - échelle
scale - Maßstab
1/2

E



BQ1=B1/3-36.5
BO1=B1/3-72.5
BX1=B1/3-36.5
BX2=B2/3-1.5
BO2=B2/2-64.5
BQ2=B2/3-38.5
bq1 = BQ1-76
bo1 = BO1-40
bx1 = BX1-76
bx2=BX2-103.5
bo2=BO2-40
bq2 = BQ2-76
HQ1 = H-94
HO1 = H-94
HX1 = H-94
HX2 = H-94
HO2 = H-94
HQ2 = H-94
hq1 = HQ-96.4
ho1 = HQ-96.4
hx1 = HX-96.4
hx2 = HX-96.4
ho2 = HX-96.4
hq2 = HQ-96.4



schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6326.XX			2	H
			1	B1-21
			1	B2-21
013.6325.XX			1	B1-21
			1	B2-21
013.5332.SY			1	B1-113
			1	B1-57
			1	B2-113
			1	B2-57
013.5330.SY			4	H-58
			1	BQ1-44
			1	BQ1+BO1-44
			1	BO1+BX1+74.5
			1	BX1+17
			1	BQ2-44
			1	BQ2+BO2-44
			1	BO2+BX2+24
			1	BX2-34
013.5385.SY			1	BQ1-38
			1	BQ1+BO1-38
			1	BO1+BX1+92.5
			1	BX1+36.5
			1	BQ2-38
			1	BQ2+BO2-38
			1	BO2+BX2+42
			1	BX2-14
013.6835.SY			1	B1-170.5
			1	B1-170.5
			1	B2-170.5
			1	B2-170.5
013.6305.SY			1	BX1+72
			1	BO1+BX1+130.5
			1	BX2+21.5
			1	BO2+BX2+80
013.6306.XX			4	H-88
			1	BX1+72
			1	BO1+BX1+130.5
			1	BX2+21.5
			1	BO2+BX2+80
006.1075.--			1	B1-187.5
			1	BQ1+BO1-4
			1	BQ1-4
			1	B2-187.5
			1	BQ2+BO2-4
			1	BQ2-4
013.6310.XX			4	H-94

			#	Lm
013.6309.XX			4	H-94*
013.6307.XX			4	H-94*
013.5329.SY			8	H-94*
013.5313.XX			2	BQ1-71
			2	BO1-35
			2	BX1-71
			2	BQ2-71
			2	BO2-35
			2	BX2-98.5
013.5358.XX			1	H-188
013.5334.04			2	H-188
013.5327.SY			1	H-188

* Assembly before sawing

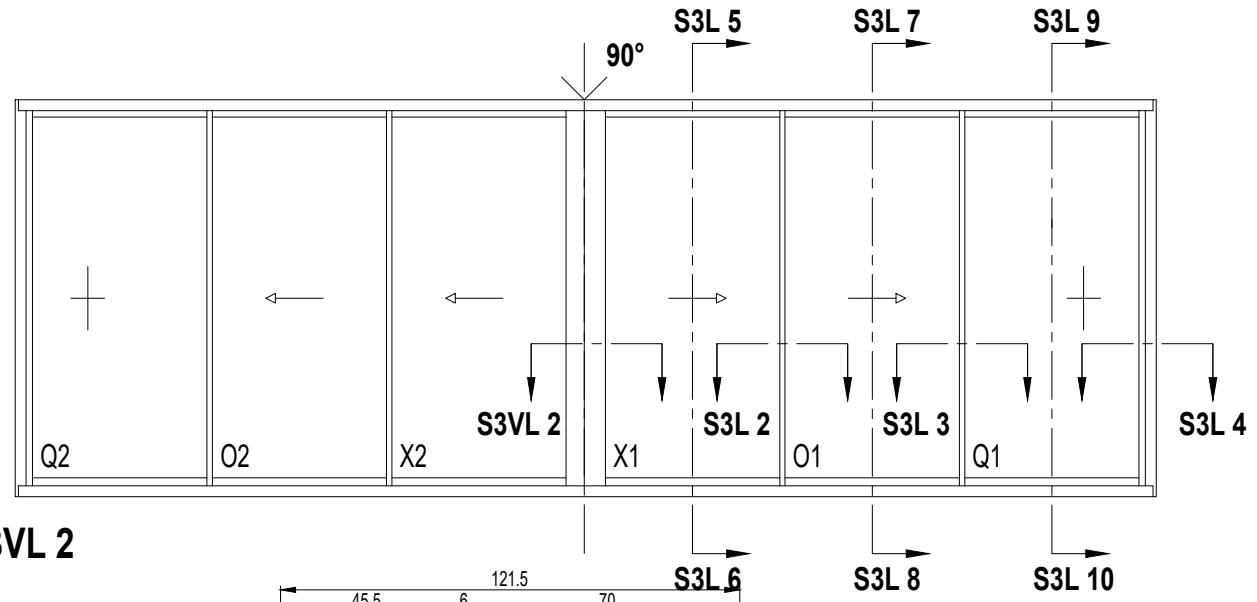
schaal - échelle
scale - Maßstab
1/2

		#
052.5325.--		68
050.5091.--		20
050.5094.--		20
053.5405.--		min. 6
021.6003.07		24
021.5699.--**		8
021.5705.--		4
022.5418.04		2
024.5618.SY		16
069.5673.SY		4
022.5550.04		4
022.5606.04		4
024.5623.SY		6
024.5622.SY		8
024.5620.SY		4
069.5663.SY		8
062.7142.04		7
062.7147.SY		1
022.5584.01		6
069.6830.04		12
069.6831.04		min. 12
029.5050.SY		2B1+2B2+12H
029.5655.04		4B1+4B2+8H
081.9098.07		8H
081.9115.SY		4B1+4B2+4H
062.9322.04		4
080.9728.04		4
069.5660.04		20
069.5661.04		8
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
069.5672.SY		8
062.7715.XX		4
050.5055.--		4
024.5642.04		4
024.5605.04		72
065.6555.04		4
069.5653.SY		3
022.5588.04		1
062.8083.00		5
062.8084.00		5
054.5441.04		40

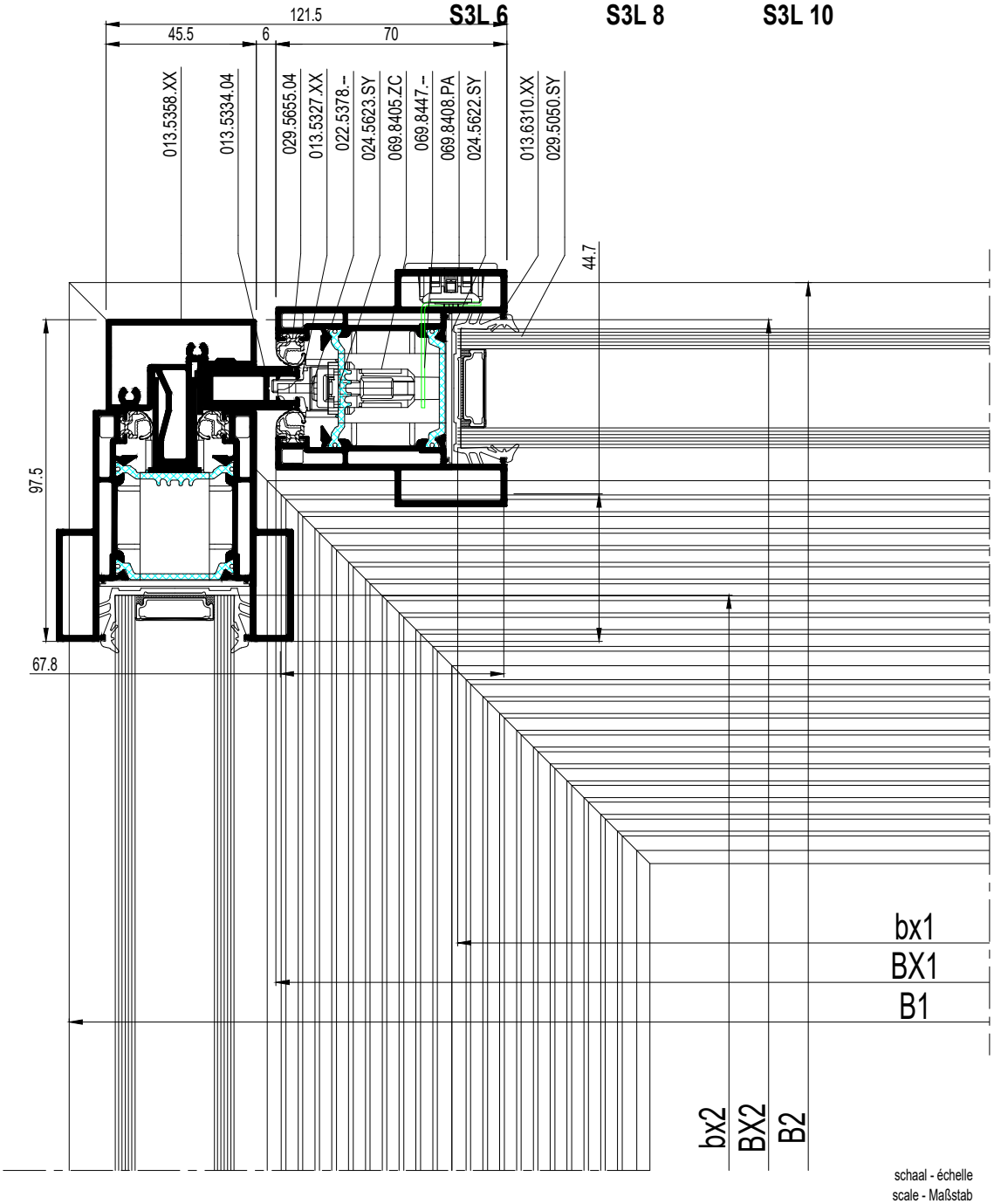
** See 47J.F. ...
*** See 47J.F. ...

E

schaal - échelle
scale - Maßstab
1/2

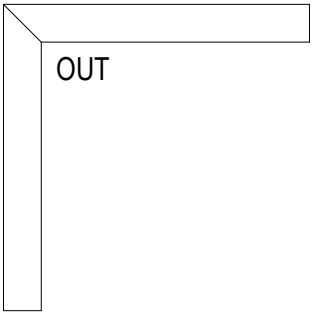


S3VL 2

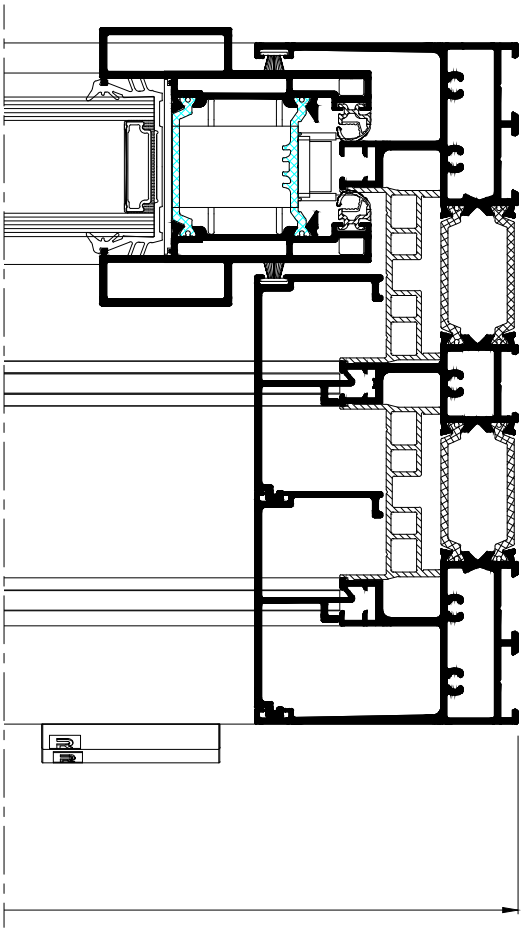


schaal - échelle
scale - Maßstab
1/2

IN



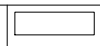
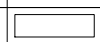
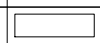
BQ1 = B1/3+1
BO1=B1/3-35
BX1=B1/3
BX2=B2/3+36
BO2=B2/3-27.5
BQ2=B2/3+8.5
bq1 = BQ1-76
bo1 = BO1-40
bx1 = BX1-76
bx2=BX2-103.5
bo2=BO2-40
bq2 = BQ2-76
HQ1 = H-94
HO1 = H-94
HX1 = H-94
HX2 = H-94
HO2 = H-94
HQ2 = H-94
hq1 = HQ-96.4
ho1 = HQ-96.4
hx1 = HX-96.4
hx2 = HX-96.4
ho2 = HX-96.4
hq2 = HQ-96.4



E

schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6326.XX			2	H
			1	B1-21
			1	B2-21
013.6325.XX			1	B1-21
			1	B2-21
013.5332.SY			1	B1-113
			1	B1-57
			1	B2-113
			1	B2-57
013.5330.SY			4	H-58
			1	BQ1-44
			1	BQ1+BO1-44
			1	BO1+BX1-93.5
			1	BX1-37.5
			1	BQ2-44
			1	BQ2+BO2-44
			1	BO2+BX2-144
			1	BX2-77
013.5385.SY			1	BQ1-38
			1	BQ1+BO1-38
			1	BO1+BX1-75.5
			1	BX1-19.5
			1	BQ2-38
			1	BQ2+BO2-38
			1	BO2+BX2-126
			1	BX2-70
013.6835.SY			1	B1-22
			1	B1-22
			1	B2-22
			1	B2-22
013.6305.SY			1	BX1-12.5
			1	BO1+BX1-95.5
			1	BX2-90.5
			1	BO2+BX2-146.5
013.6306.XX			4	H-88
			1	BX1-39.5
			1	BO1+BX1-95.5
			1	BX2-90.5
			1	BO2+BX2-146.5
006.1075.--			1	B1-75.5
			1	BQ1+BO1-4
			1	BQ1-4
			1	B2-75.5
			1	BQ2+BO2-4
			1	BQ2-4
013.6310.XX			4	H-94

			#	Lm
013.6309.XX			4	H-94*
013.6307.XX			4	H-94*
013.5329.SY			8	H-94*
013.5313.XX			2	BQ1-71
			2	BO1-35
			2	BX1-71
			2	BQ2-71
			2	BO2-35
			2	BX2-98.5
013.5358.XX			1	H-188
013.5334.04			2	H-188
013.5327.SY			1	H-188

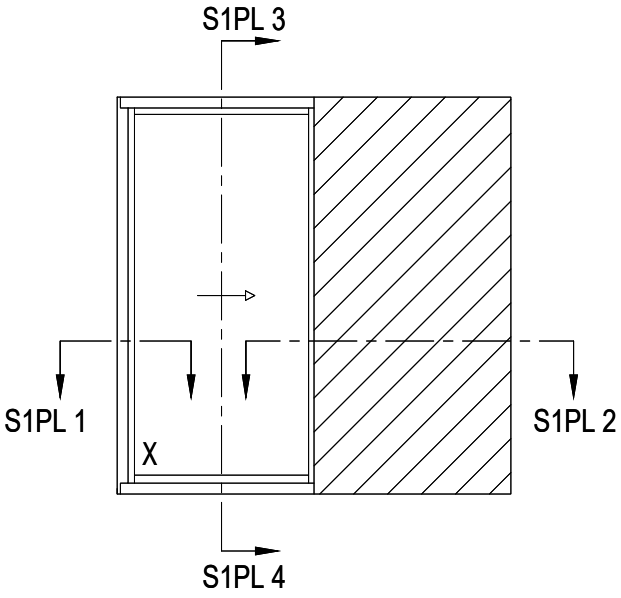
* Assembly before sawing

schaal - échelle
scale - Maßstab
1/2

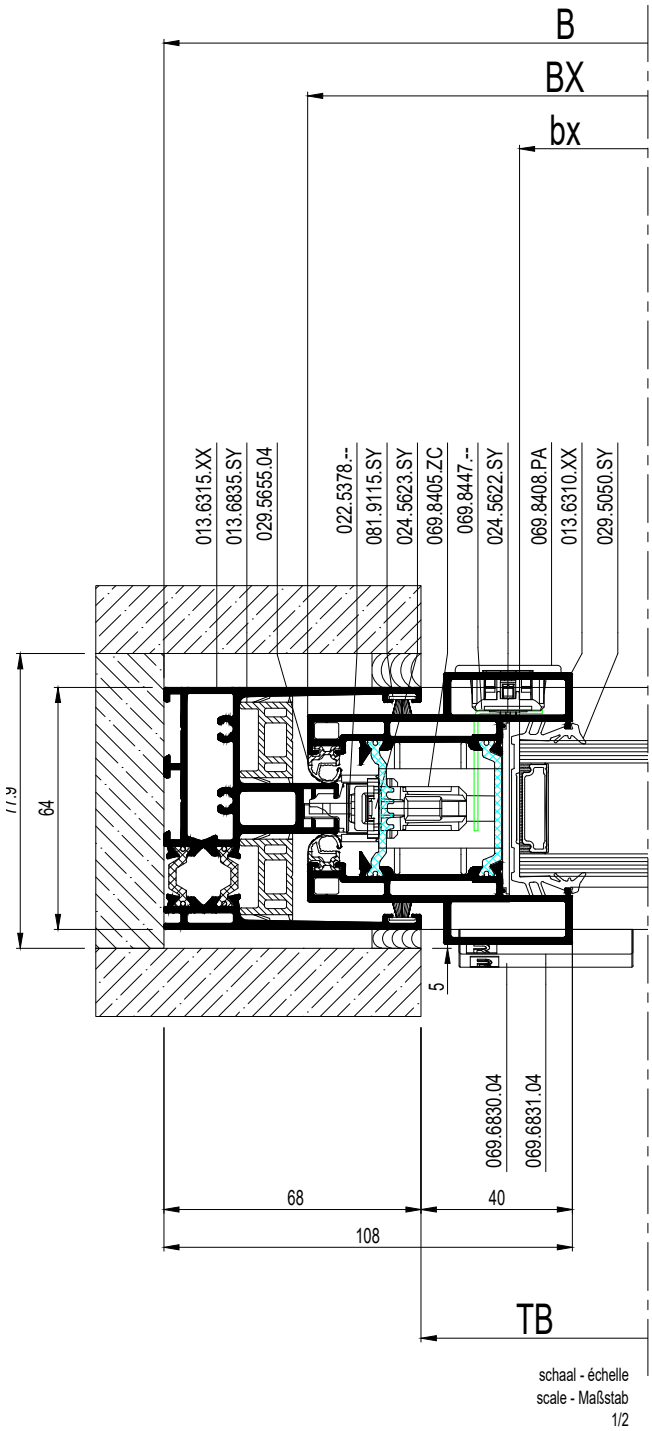
		#
052.5325.--		68
050.5091.--		20
050.5094.--		20
053.5405.--		min. 6
021.6003.07		24
021.5699.--**		8
021.5705.--		4
022.5418.04		2
024.5618.SY		16
069.5673.SY		4
022.5550.04		4
022.5606.04		4
024.5623.SY		6
024.5622.SY		8
024.5620.SY		4
069.5663.SY		8
062.7142.04		7
062.7147.SY		1
022.5584.01		6
069.6830.04		12
069.6831.04		min. 12
029.5050.SY		2B1+2B2+12H
029.5655.04		4B1+4B2+8H
081.9098.07		8H
081.9115.SY		4B1+4B2+4H
062.9322.04		4
080.9728.04		4
069.5660.04		20
069.5661.04		8
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
069.5672.SY		8
062.7715.XX		4
050.5055.--		4
024.5642.04		4
024.5605.04		72
065.6555.04		4
069.5653.SY		3
022.5588.04		1
062.8083.00		5
062.8084.00		5
054.5441.04		40

** See 47J.F. ...
*** See 47J.F. ...

schaal - échelle
scale - Maßstab
1/2

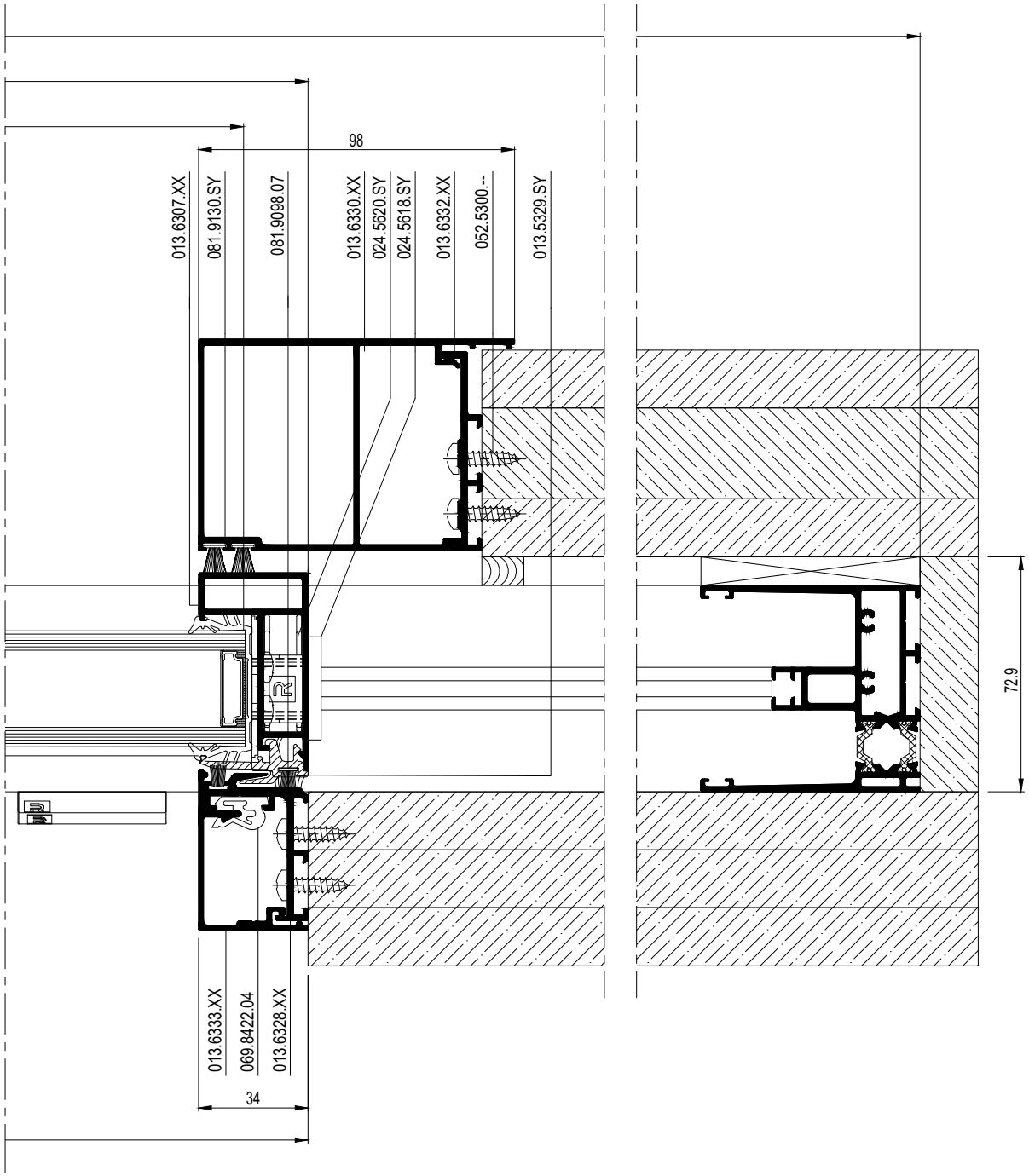


S1PL 1



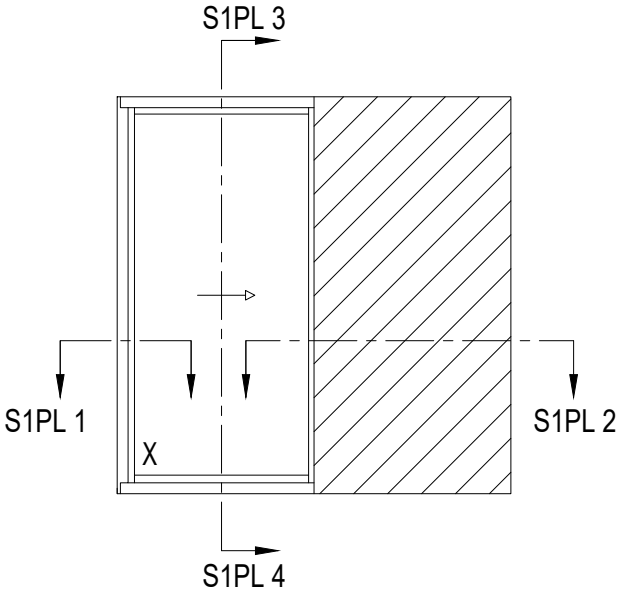
schaal - échelle
scale - Maßstab
1/2

S1PL 2

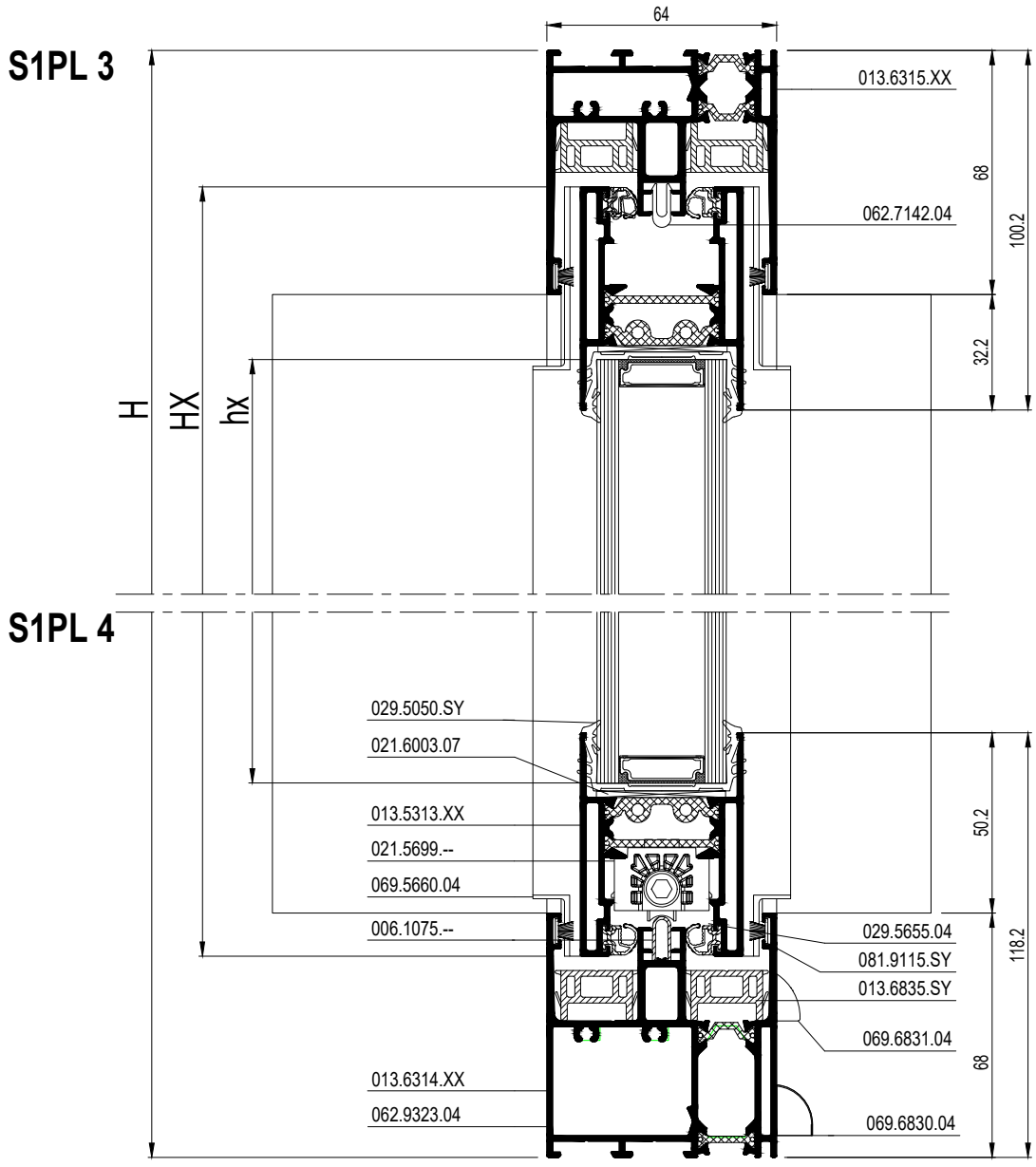


schaal - échelle
scale - Maßstab
1/2

E



B = TB*2+172
BX = TB+30
bx = BX-76
HX = H-94
hx = HX-96.4



schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6315.XX			2	H
			1	B-42
013.6314.XX			1	B-42
013.6835.SY			2	H-86
			4	B/2-72
013.5313.XX			2	B/2-127
013.6310.XX			1	H-94
006.1075.--			1	B-92
013.6307.XX			1	H-94
013.5329.SY			1	H-160
013.6330.XX			1	H-136
013.6332.XX			1	H-136
013.6333.XX			1	H-136
013.6328.XX			1	H-136

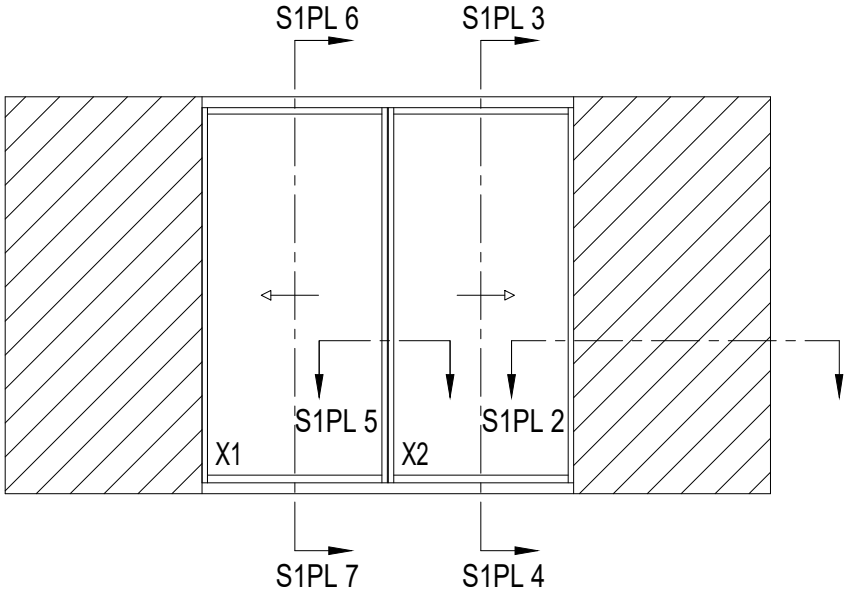
* Assembly before sawing

		#
052.5325.--		16
052.5300.--		min. 8
021.6003.07		4
021.5699.--**		2
024.5618.SY		2
024.5623.SY		2
024.5622.SY		2
024.5620.SY		1
062.7142.04		1
062.7147.SY		1
069.6830.04		2
069.6831.04		min. 2
029.5050.SY		B + 2H
029.5655.04		2B + 2H
081.9098.07		2H
081.9130.SY		2H
081.9115.SY		4B + 2H
062.9323.04		2
080.9729.04		4
069.5660.04		6
069.8405.ZC***		1
022.5378.--***		1
069.8447.--		1
069.8408.PA		1
024.5642.04		2
024.5605.04		12
062.7715.XX		1
050.5055.--		1
065.6555.04		2
069.5653.SY		1
069.8422.04		3
069.5675.04		1

** See 47J.F. ...
*** See 47J.F. ...

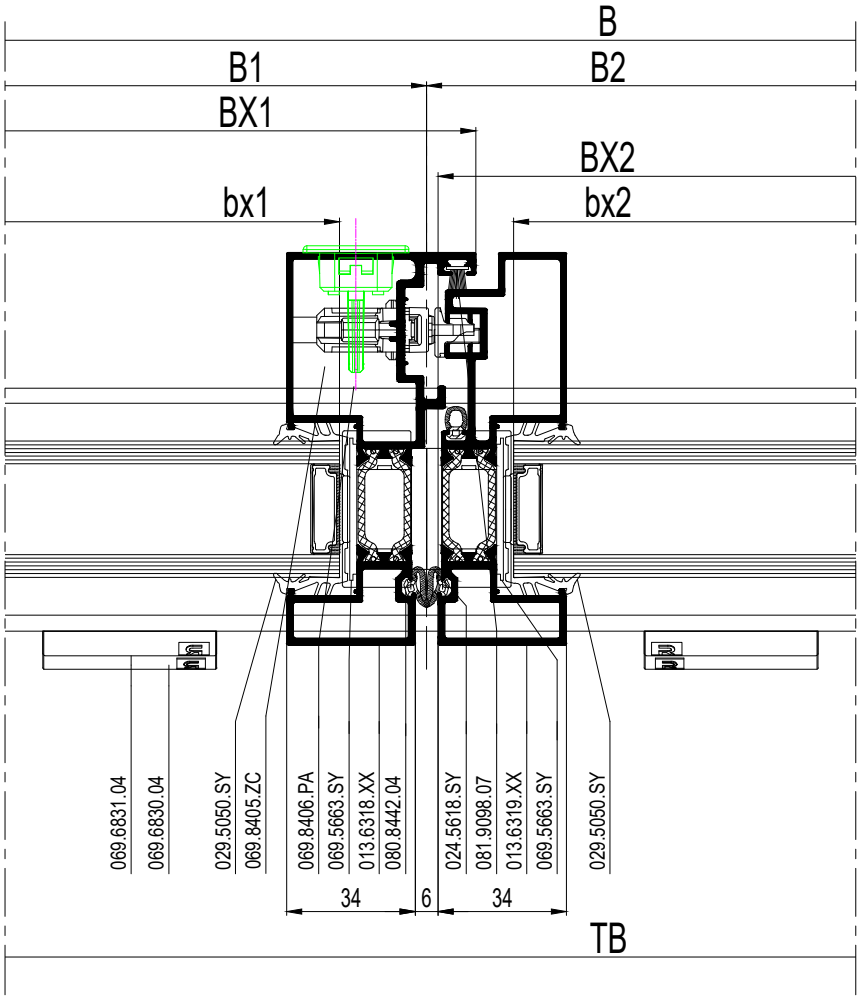
E

schaal - échelle
scale - Maßstab
1/2



B = TB*2+64
BX1 = TB/2+13
BX2 = TB/2-3
bx1 = BX1-56
bx2 = BX2-40
HX = H-94
hx = HX-96.4
BX1 = BX2+16

S1PL 5



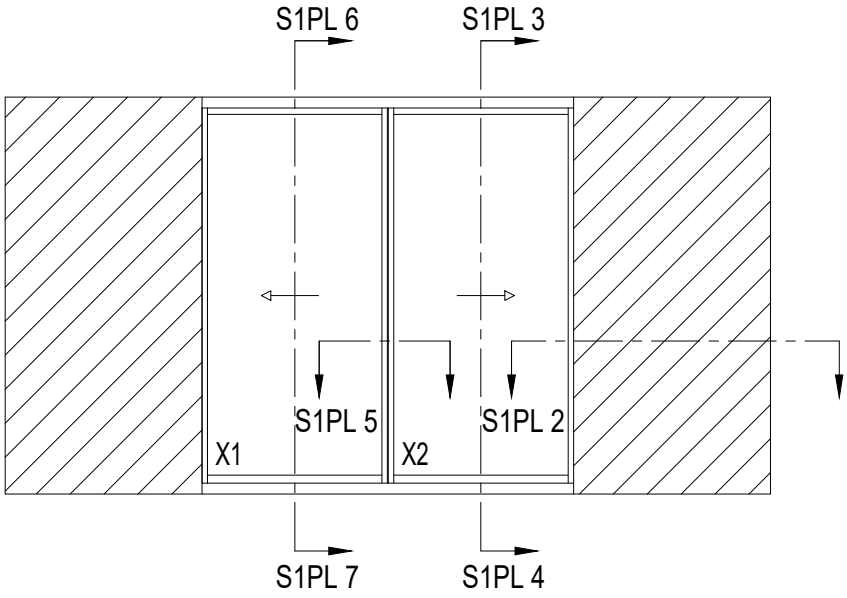
schaal - échelle
scale - Maßstab
1/2

			#	Lm
013.6315.XX			2	H
			1	B-42
013.6314.XX			1	B-42
013.6835.SY			4	B1+B2-68
013.5313.XX			4	B/4-54
006.1075.--			1	B-92
013.6307.XX			2	H-94
013.5329.SY			2	H-160
013.6318.XX			1	H-94
013.6319.XX			1	H-94
013.6330.XX			2	H-136
013.6332.XX			2	H-136
013.6333.XX			2	H-136
013.6328.XX			2	H-136

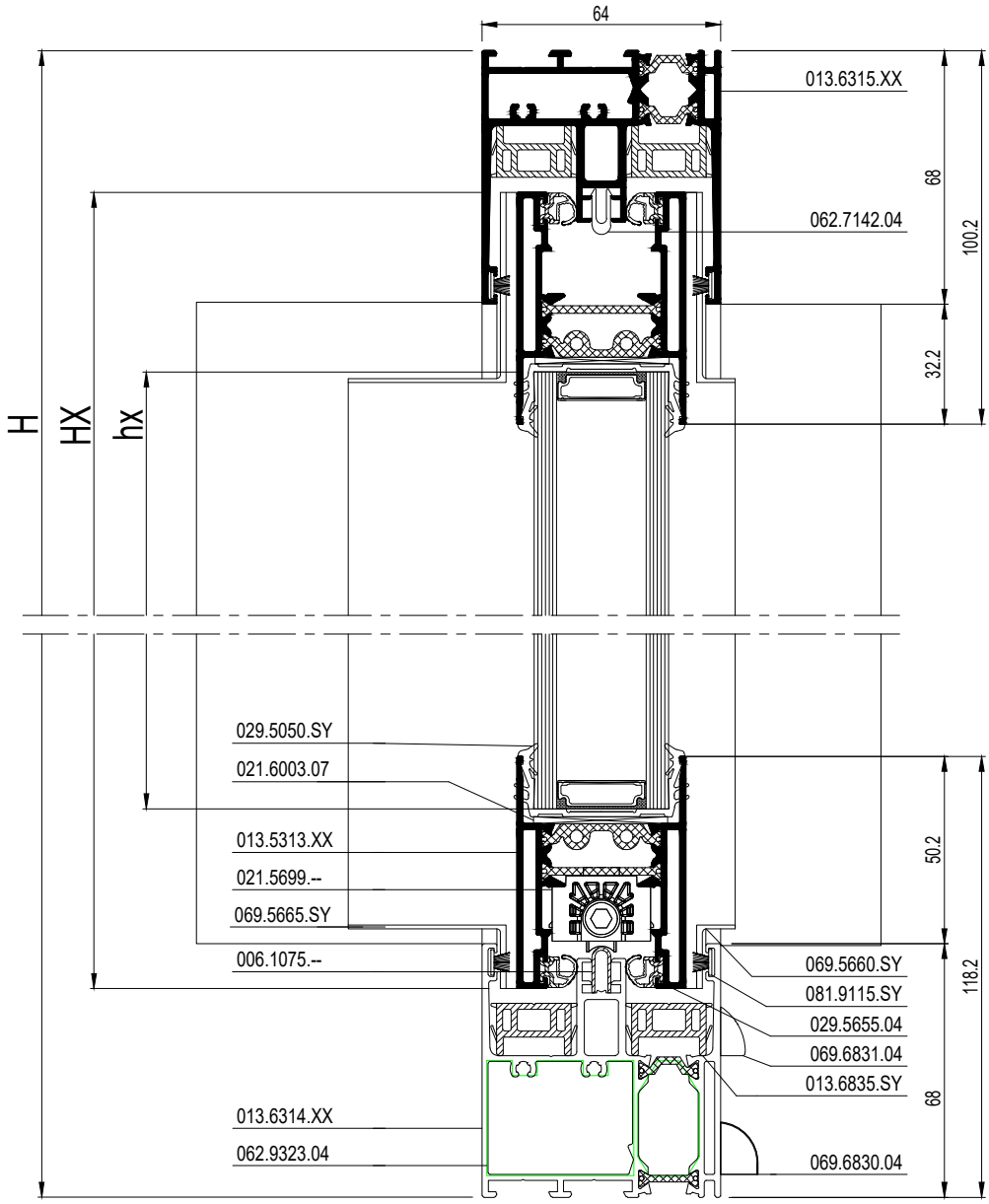
* Assembly before sawing

E

schaal - échelle
scale - Maßstab
1/2



S1PL 6



S1PL 7

schaal - échelle
scale - Maßstab
1/2

E

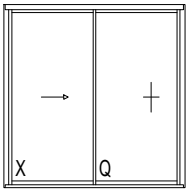
		#
052.5325.--		24
052.5300.--		min. 16
021.6003.07		8
021.5699.--**		4
024.5618.SY		8
024.5620.SY		2
069.5663.SY		4
062.7142.04		3
069.6830.04		4
069.6831.04		min. 4
029.5050.SY		B + 4H
029.5655.04		2B
080.8442.04		3H
081.9098.07		5H
081.9130.SY		4H
081.9115.SY		4B
062.9323.04		2
080.9729.04		4
069.5660.04		8
069.5665.SY		1
069.8405.ZC***		1
022.5378.--***		1
069.8406.PA		1
024.5642.04		4
024.5605.04		24
062.7715.XX		2
050.5055.--		2
065.6555.04		4
069.5653.SY		1
069.8422.04		6
069.5675.04		3

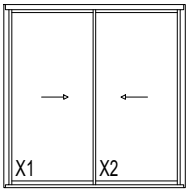
** See 47J.F. ...
*** See 47J.F. ...

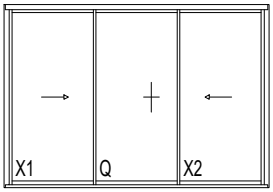
E

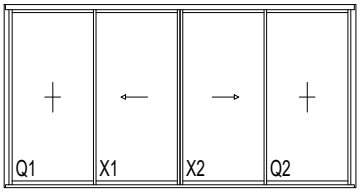
schaal - échelle
scale - Maßstab
1/2

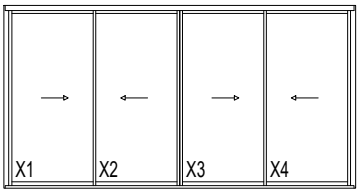
	2-RAIL LOW THRESHOLD 2-RAIL LOW THRESHOLD	2-RAIL LOW THRESHOLD 2-RAIL LOW THRESHOLD







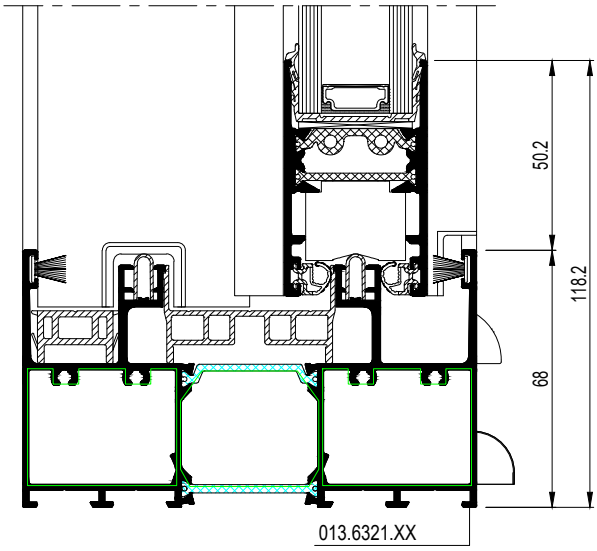




X : PRIMAIRE VLEUGEL Q : VASTE VLEUGEL O : SECUNDAIRE VLEUGEL V : HOEKOPLOSSING	X : OUVRANT PRIMAIRE Q : OUVRANT FIXE O : OUVRANT SECONDAIRE V : SOLUTION ANGULAIRE	X : PRIMARY SLIDING VENT Q : FIXED VENT O : SECUNDARY SLIDING VENT V : CORNER SOLUTION	X : GANGFLUEGEL Q : FENSTER FLUEGEL O : STANDFLUEGEL V : ECKLÖSUNG

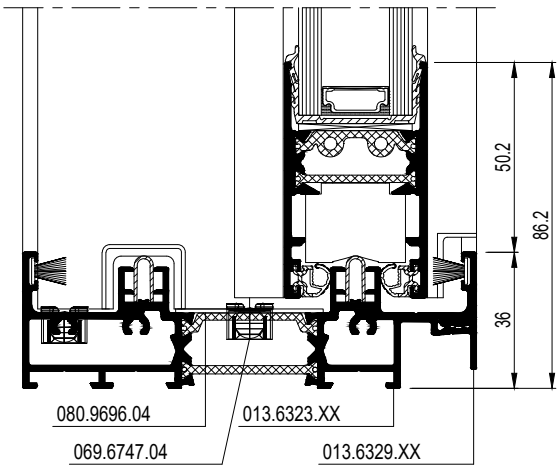
STANDARD 2-RAIL

S2S 7



LOW THRESHOLD 2-RAIL

S2S 7 LT



E

!	* ALS BUITENKADER NIET AFGEDEKT WORDT B-42; ALS BUITENKADER AFGEDEKT WORDT B-138 * SI DORMANT N'EST PAS COUVERT B-42; SI DORMANT EST COUVERT B-138 * WHEN FRAME IS NOT COVERED B-42; WHEN FRAME IS COVERED B-138 * WENN BLENDRAHMEN IST NICHT ABGEDECKT B-42; WENN BLENDRAHMEN IST ABGEDECKT B-138

STANDARD 2-RAIL

			#	Lm
013.6321.XX			1	B-42
013.5330.SY SIDE			2	H-58
013.5330.SY BOTTOM		X	x	B-X
013.6835.SY SIDE			x	H-86
013.6835.SY BOTTOM			x	B-X
013.6835.SY TOP			x	B-X
013.6306.XX			2	H-88
013.6300.XX or VARIANT			x	H-94
013.6302.XX or VARIANT			x	H-94*
013.5328.SY or 013.5329.SY			x	H-94*
013.6316.XX or 013.6318.XX			1	H-94
013.6317.XX or 013.6319.XX			1	H-94
013.6331.XX or 013.6330.XX			x	H-136
013.6332.XX			x	H-136
013.6333.XX			x	H-136
013.6328.XX			x	H-136

* Assembly before sawing

LOW THRESHOLD 2-RAIL

			#	Lm
013.6323.XX +013.6329.XX			1 1	B-42 B-42 *
013.5330.SY SIDE			2	H-41
013.5330.SY BOTTOM		X	x	B-X
013.6835.SY SIDE			x	H-54
013.6835.SY BOTTOM			x	B-X
013.6835.SY TOP			x	B-X
013.6306.XX			2	H-56
013.6300.XX or VARIANT			x	H-62
013.6302.XX or VARIANT			x	H-62*
013.5328.SY or 013.5329.SY			x	H-62*
013.6316.XX or 013.6318.XX			1	H-62
013.6317.XX or 013.6319.XX			1	H-62
013.6331.XX or 013.6330.XX			x	H-104
013.6332.XX			x	H-104
013.6333.XX			x	H-104
013.6328.XX			x	H-104

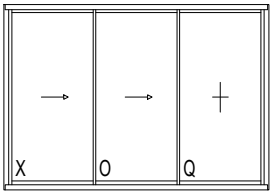
* Assembly before sawing

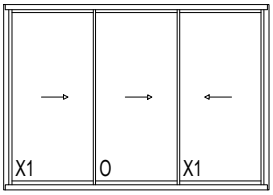
		#
022.5550.04		x
022.5584.01		x
080.9727.04		4
069.6830.04		x
069.6831.XX		x
062.9321.04		x

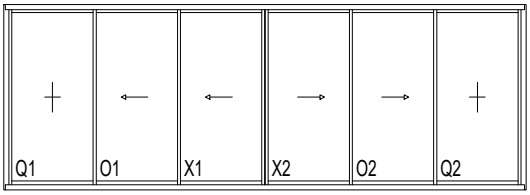
		#
081.9235.04		x
~~xxx.xxxx.xx~~		~~x~~
080.9727.04		2
080.9734.04		2
069.6747.04		x
~~xxx.xxxx.xx~~		~~x~~
~~xxx.xxxx.xx~~		~~x~~
080.9696.04		x m

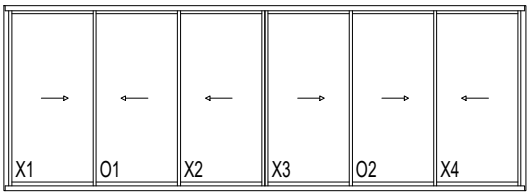
schaal - échelle
scale - Maßstab
1/2

	3-RAIL LOW THRESHOLD 3-RAIL LOW THRESHOLD	3-RAIL LOW THRESHOLD 3-RAIL LOW THRESHOLD





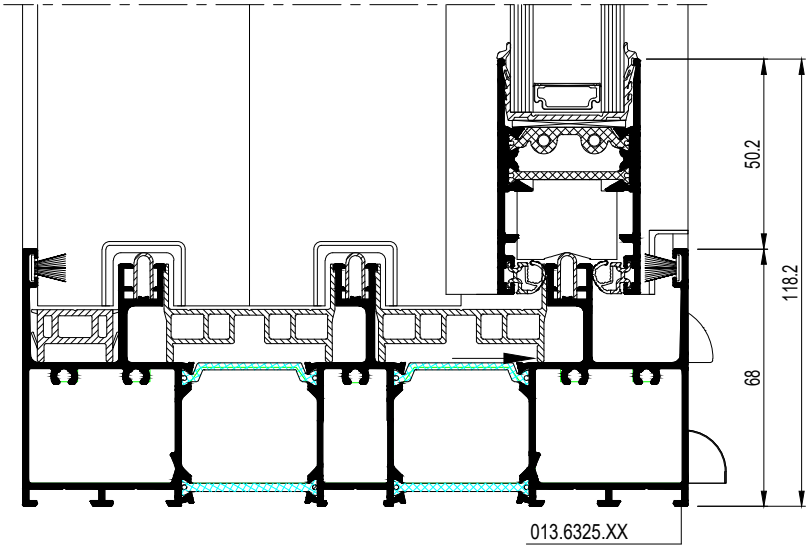




X : PRIMAIRE VLEUGEL Q : VASTE VLEUGEL O : SECUNDAIRE VLEUGEL V : HOEKOPLOSSING	X : OUVRANT PRIMAIRE Q : OUVRANT FIXE O : OUVRANT SECONDAIRE V : SOLUTION ANGULAIRE	X : PRIMARY SLIDING VENT Q : FIXED VENT O : SECUNDARY SLIDING VENT V : CORNER SOLUTION	X : GANGFLUEGEL Q : FENSTER FLUEGEL O : STANDFLUEGEL V : ECKLÖSUNG

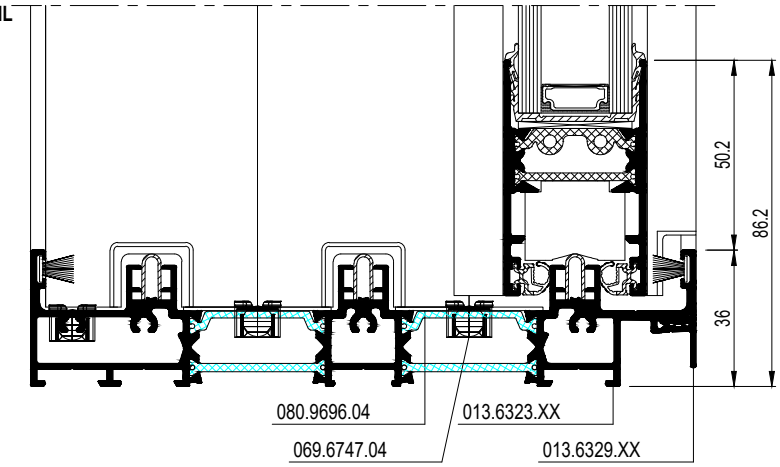
STANDARD 3-RAIL

S3S 10



LOW THRESHOLD 3-RAIL

S3S 10 LT



E

* ALS BUITENKADER NIET AFGEDEKT WORDT B-42; ALS BUITENKADER AFGEDEKT WORDT B-138
* SI DORMANT N'EST PAS COUVERT B-42; SI DORMANT EST COUVERT B-138
* WHEN FRAME IS NOT COVERED B-42; WHEN FRAME IS COVERED B-138
* WENN BLENDRAHMEN IST NICHT ABGEDECKT B-42; WENN BLENDRAHMEN IST ABGEDECKT B-138

schaal - échelle
scale - Maßstab
1/2

STANDARD 3-RAIL

			#	Lm
013.6325.XX			1	B-42
013.5330.SY SIDE			2	H-58
013.5330.SY BOTTOM		X	x	B-X
013.6835.SY SIDE			x	H-86
013.6835.SY BOTTOM			x	B-X
013.6835.SY TOP			x	B-X
013.6306.XX			2	H-88
013.6300.XX or VARIANT			x	H-94
013.6302.XX or VARIANT			x	H-94*
013.5328.SY or 013.5329.SY			x	H-94*
013.6316.XX or 013.6318.XX			1	H-94
013.6317.XX or 013.6319.XX			1	H-94
013.6331.XX or 013.6330.XX			x	H-136
013.6332.XX			x	H-136
013.6333.XX			x	H-136
013.6328.XX			x	H-136

LOW THRESHOLD 3-RAIL

			#	Lm
013.6324.XX +013.6329.XX			1 1	B-42 B-42 *
013.5330.SY SIDE			2	H-41
013.5330.SY BOTTOM		X	x	B-X
013.6835.SY SIDE			x	H-54
013.6835.SY BOTTOM			x	B-X
013.6835.SY TOP			x	B-X
013.6306.XX			2	H-56
013.6300.XX or VARIANT			x	H-62
013.6302.XX or VARIANT			x	H-62*
013.5328.SY or 013.5329.SY			x	H-62*
013.6316.XX or 013.6318.XX			1	H-62
013.6317.XX or 013.6319.XX			1	H-62
013.6331.XX or 013.6330.XX			x	H-104
013.6332.XX			x	H-104
013.6333.XX			x	H-104
013.6328.XX			x	H-104

* Assembly before sawing

* Assembly before sawing

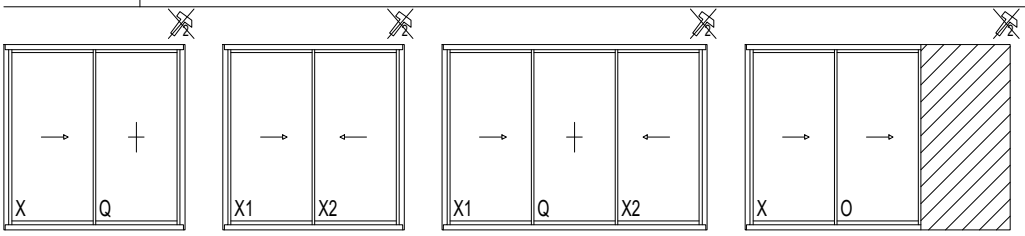
		#
022.5550.04		x
022.5584.01		x
080.9728.04		4
069.6830.04		x
069.6831.XX		x
062.9322.04		x

		#
081.9235.04		x
xxx.xxxx.xx		x
080.9728.04		2
080.9735.04		2
069.6747.04		x
xxx.xxxx.xx		x
xxx.xxxx.xx		x
080.9696.04		2B

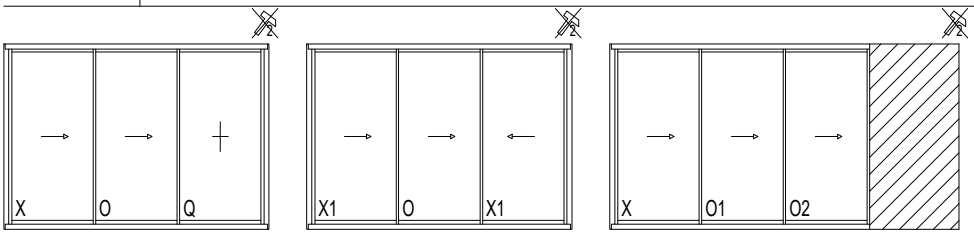
schaal - échelle
scale - Maßstab
1/2

E

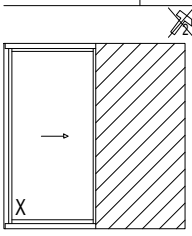
2-RAIL BT SLOT
2-RAIL SERRURE BT
2-RAIL BT LOCK
2-RAIL BT SCHLOESSER



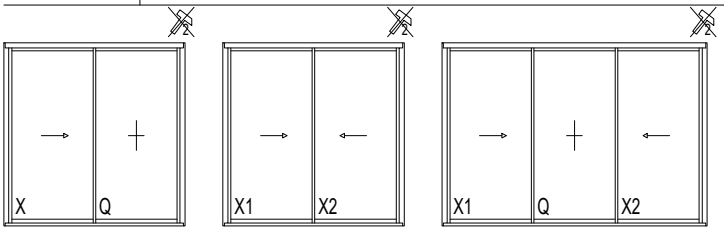
3-RAIL BT SLOT
3-RAIL SERRURE BT
3-RAIL BT LOCK
3-RAIL BT SCHLOESSER



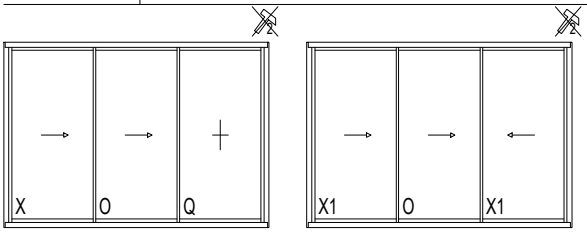
1-RAIL BT SLOT
1-RAIL SERRURE BT
1-RAIL BT LOCK
1-RAIL BT SCHLOESSER



2-RAIL LOW THRESHOLD BT SLOT
2-RAIL LOW THRESHOLD SERRURE BT
2-RAIL LOW THRESHOLD BT LOCK
2-RAIL LOW THRESHOLD BT SCHLOESSER



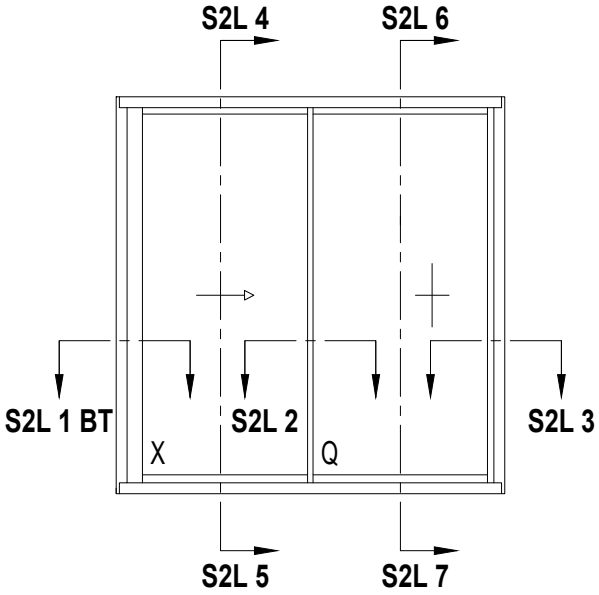
3-RAIL LOW THRESHOLD BT SLOT
3-RAIL LOW THRESHOLD SERRURE BT
3-RAIL LOW THRESHOLD BT LOCK
3-RAIL LOW THRESHOLD BT SCHLOESSER



X : PRIMAIRE VLEUGEL Q : VASTE VLEUGEL O : SECUNDAIRE VLEUGEL V : HOEKOPLOSSING	X : OUVRANT PRIMAIRE Q : OUVRANT FIXE O : OUVRANT SECONDAIRE V : SOLUTION ANGULAIRE	X : PRIMARY SLIDING VENT Q : FIXED VENT O : SECUNDARY SLIDING VENT V : CORNER SOLUTION	X : GANGFLUEGEL Q : FENSTER FLUEGEL O : STANDFLUEGEL V : ECKLÖSUNG

schaal - échelle
scale - Maßstab
1/2

schaal - échelle
scale - Maßstab
1/2

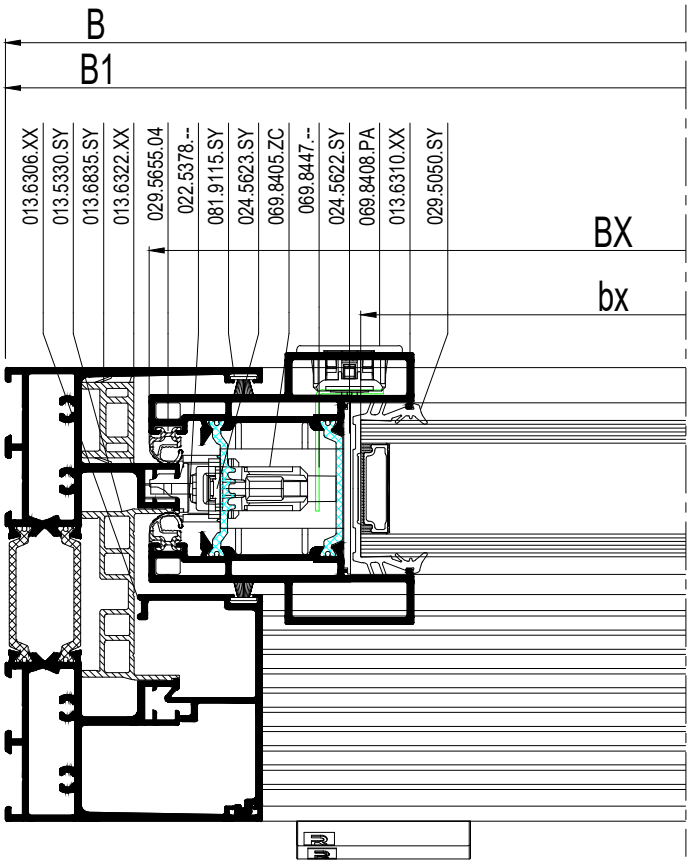


BX = B1-21	BX = B1-39
BQ = B2-21	BQ = B2-21
HX = H-94	HX = H-94
HQ = H-94	HQ = H-94
bx= BX-76	bx= BX-92
bq = BQ-76	bq = BQ-76
hx = HX-96.4	hx = HX-96.4
hq = HQ-96.4	hq = HQ-96.4

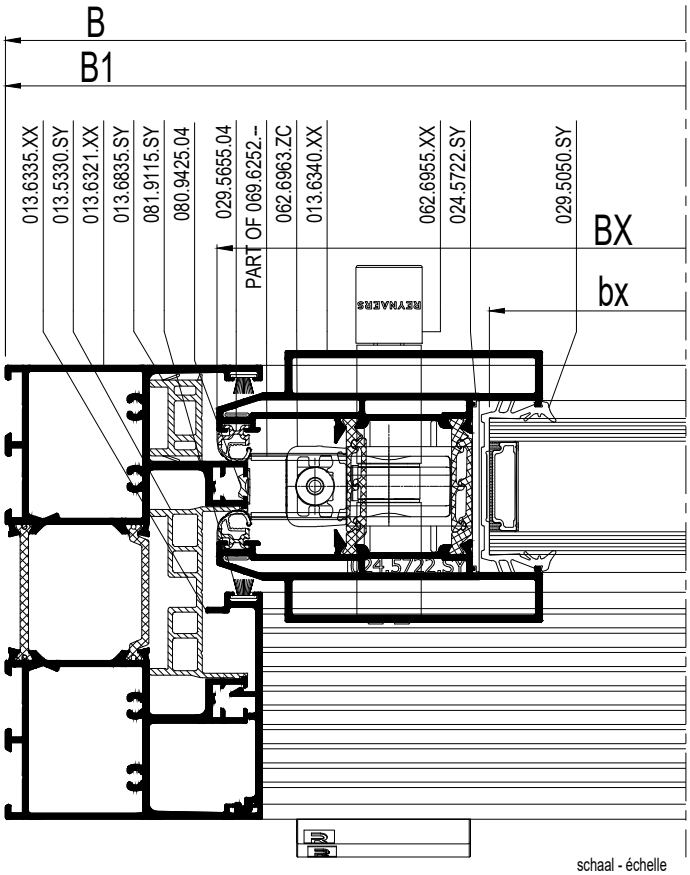
CHICANE IN THE MIDDLE: B1=B2 (=B/2) => bx=bq-34
SAME GLASS WIDTH: bx=bq => B1=B/2+17; B2=B/2-17
REYNAPRO = SAME GLASS WIDTH

BT SLOT ALLEEN MET LV
SERRURE BT SEULEMENT AVEC LV
BT LOCK ONLY WITH LV
SCHLOESSER BT NUR MIT LV

S2L 1



S2L 1 BT



schaal - échelle
scale - Maßstab
1/2

STANDARD 2-RAIL XQ LV

		#	Lm
013.6322.XX		2	H
		1	B-42
013.6321.XX		1	B-42
013.5332.SY		1	B-40
013.5330.SY		2	H-58
		1	B1-65
		1	B2-65
013.5385.SY		1	B1-59
		1	B2-59
013.6835.SY		1	H-86
		2	B-40
013.6305.XX		1	B1-92.5
013.6306.XX		2	H-88
		1	B1-92.5
006.1075.--		1	B-92
		1	B2-25
013.6310.XX		2	H-94
013.6307.XX		2	H-94*
013.5329.SY		2	H-94*
013.5313.XX		2	B1-92.5
		2	B2-92.5

BT LOCK 2-RAIL XQ

		#	Lm
013.6322.XX		1	H
		1	B-60
013.6321.XX		1	H
		1	B-60
013.5332.SY		1	B-58
013.5330.SY		2	H-58
		1	B1-83
		1	B2-65
013.5385.SY		1	B1-77
		1	B2-59
013.6835.SY		1	H-86
		2	B-58
013.6305.XX		1	B1-92.5
013.6306.XX		1	H-88
		1	B1-92.5
013.6335.XX		1	H-88
006.1075.--		1	B-110
		1	B2-25
013.6310.XX		1	H-94
013.6340.XX		1	H-94
013.6307.XX		2	H-94*
013.5329.SY		2	H-94*
013.5313.XX		2	B1-126.5
		2	B2-92.5

	#
024.5623.04	4
024.5622.SY	4
062.7147.SY	1
069.5660.04	10
069.8405.ZC**	1
022.5378.--	1
069.8447.--	1
069.8408.PA	1

	#
024.5623.04	2
024.5622.SY	2
024.5722.SY	2
~~xxx.xxxx.xx~~	x
069.5660.04	6
069.5760.SY	4
062.6962.ZC**	1
052.5327.--	min. 2
062.6952.--	2
~~xxx.xxxx.xx~~	x
062.6955.XX	1
069.6252.--	1
062.6953.04	2
080.9425.04	H
062.6951.04	2

ANDERE STANDAARD ARTIKELS: ZELFDE AANTAL
AUTRES ARTICLES STANDARDS: MEME MONTANT
OTHER STANDARD ARTICLES: SAME AMOUNT
ANDERE STANDARDARTIKEL: GLEICHE MENGE

* Assembly before sawing
** See 47J.F. ...

schaal - échelle
scale - Maßstab
1/2

E

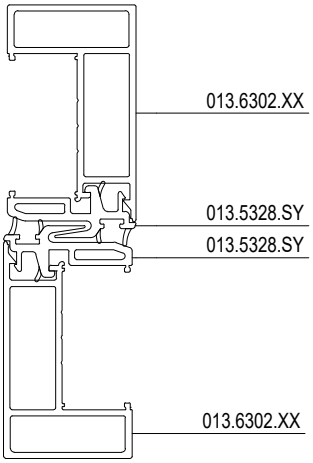
OMZETTINGSTABEL - BT SLOT
TABLE DE CONVERSION - SERRURE BT
CONVERSION TABLE - BT LOCK
UMRECHNUNGSTABELLE - BT SCHLOESSER

F

Reynaers Aluminium

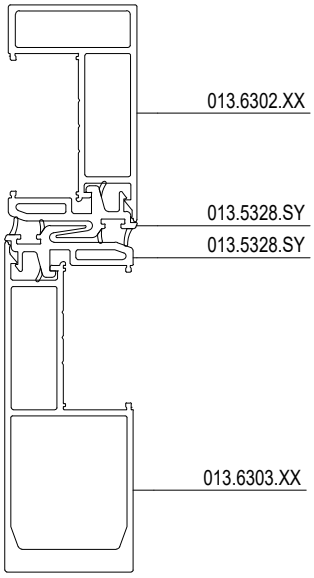
Montagetekeningen
Fabrication et montage
Assembly drawings
Montagezeichnungen

1



Total Ix = 18.8 cm4

2



Total Ix = 50.8 cm4

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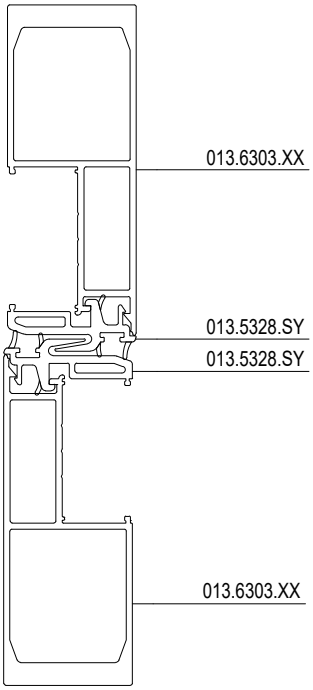
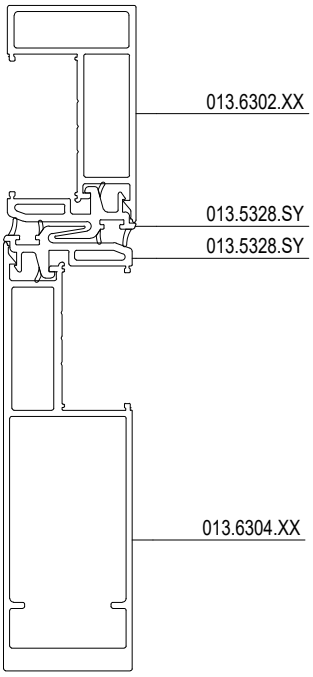


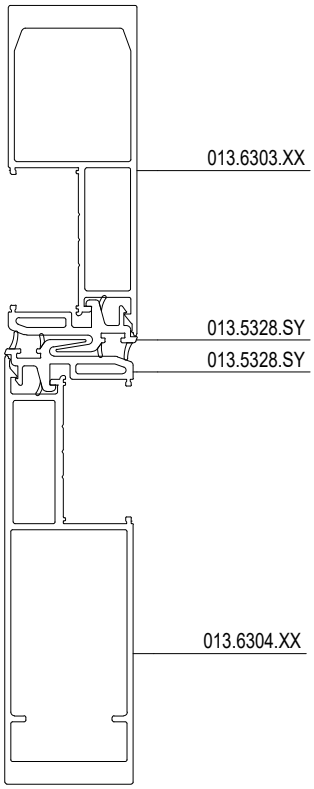
Total Ix = 82.8 cm4

4



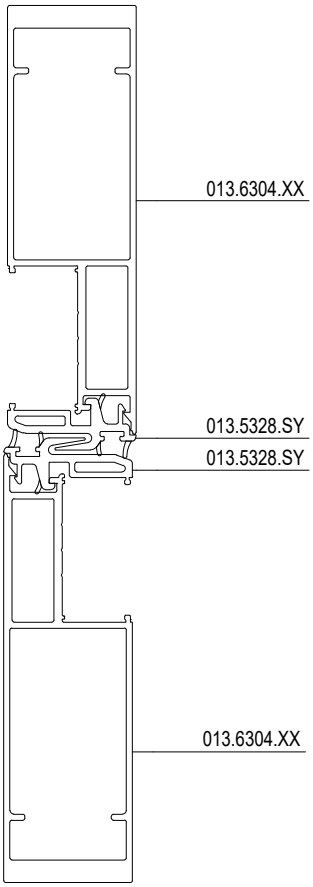
Total Ix = 100.9 cm4

5



Total Ix = 133.0 cm4

6

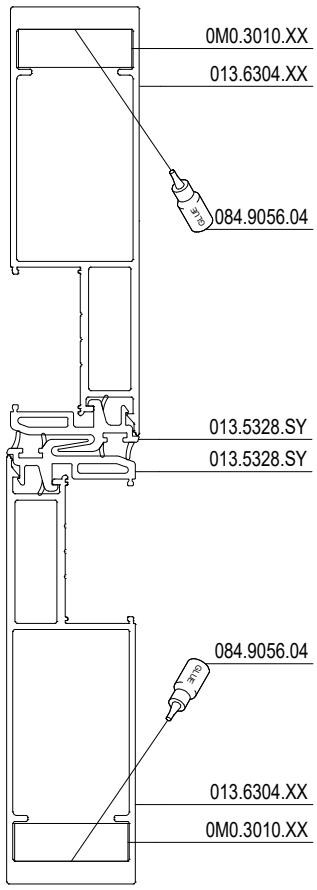


Total Ix = 183.0 cm4

schaal - échelle
scale - Maßstab
1/2

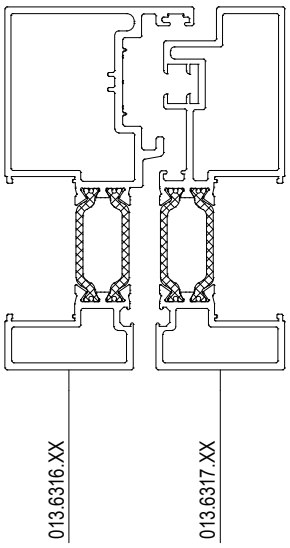
F

7



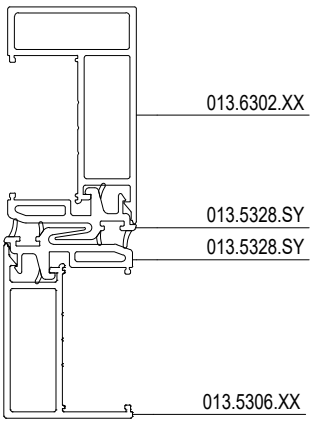
Total Ix = 207.4 cm4

8



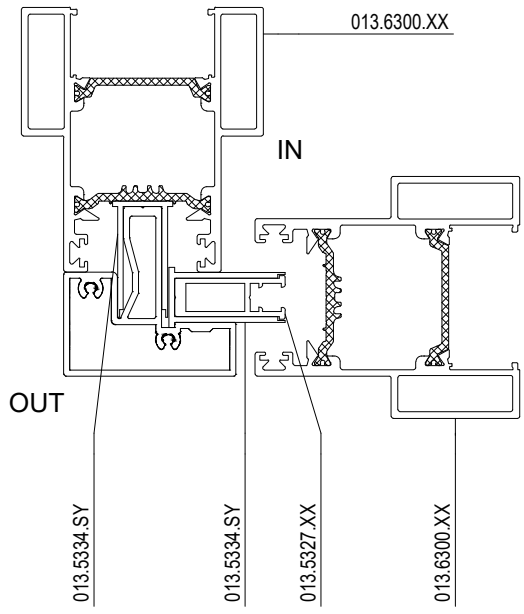
Total Ix = 73.2 cm4

9



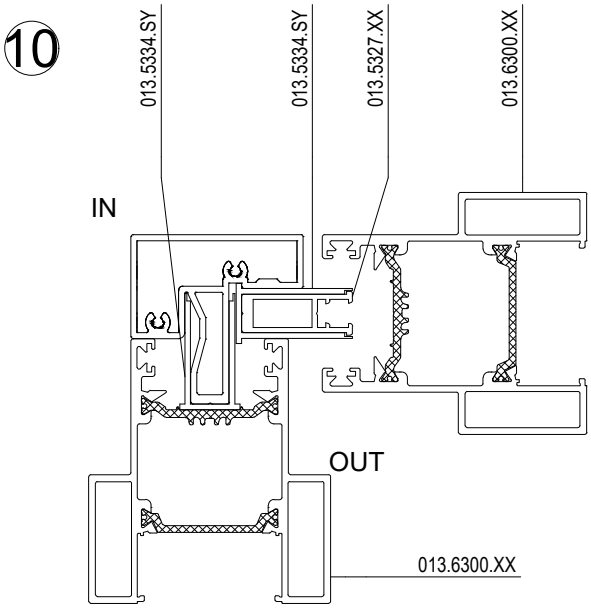
Total Ix = 14.3 cm4

10



Total Ix = 24.0 cm4

10

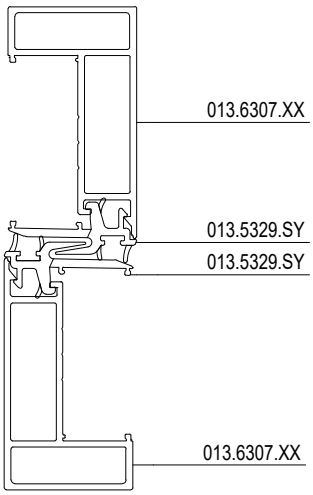


Total Ix = 24.0 cm4

F

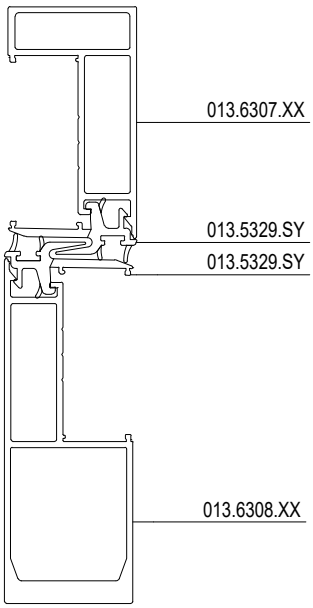
schaal - échelle
scale - Maßstab
1/2

1



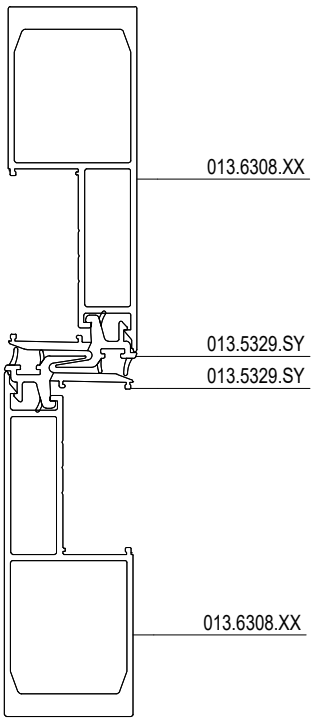
Total Ix = 22.4 cm4

2



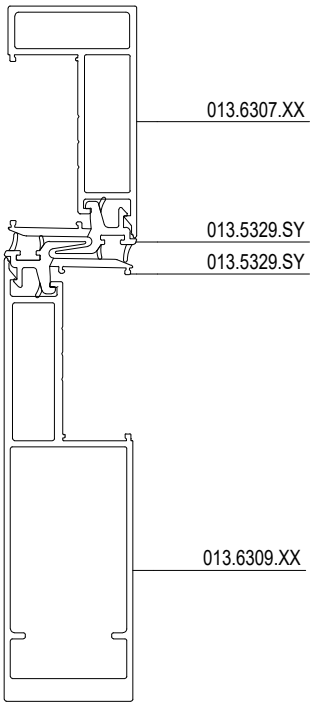
Total Ix = 57.1 cm4

3



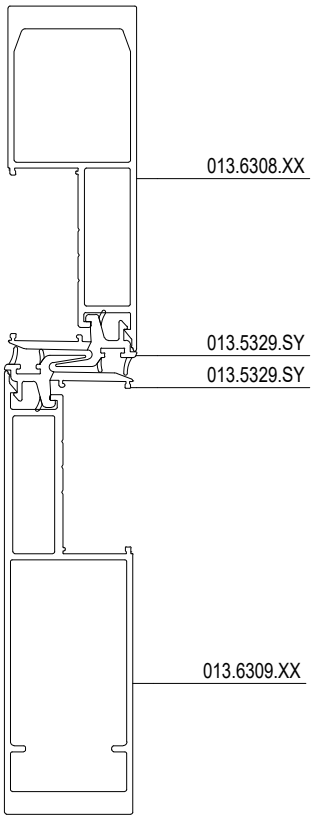
Total Ix = 91.8 cm4

4



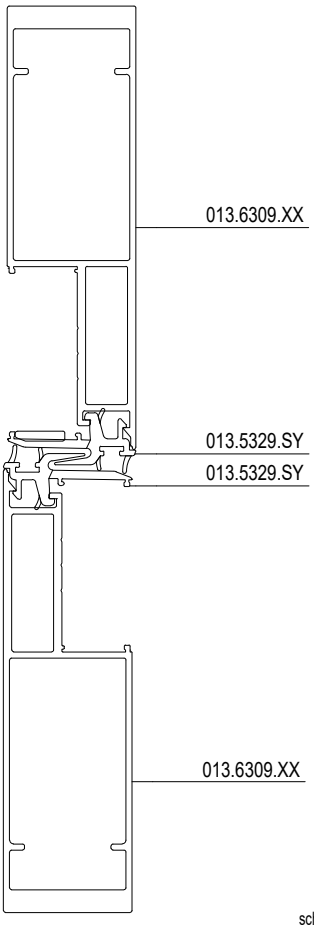
Total Ix = 110.3 cm4

5



Total Ix = 145.0 cm4

6

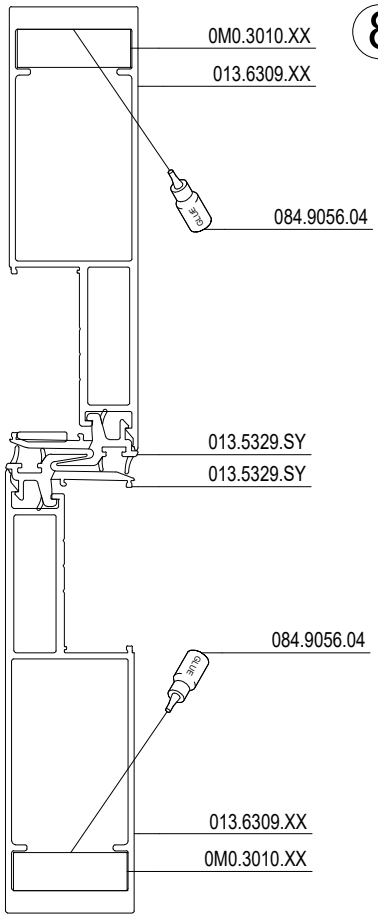


Total Ix = 198.1 cm4

schaal - échelle
scale - Maßstab
1/2

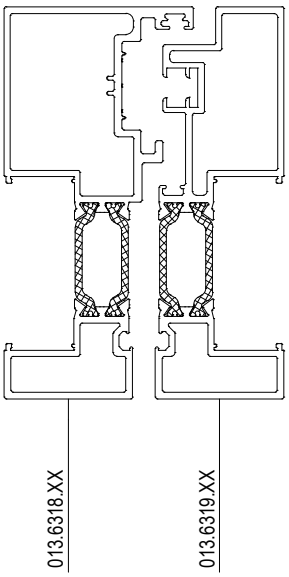
F

7



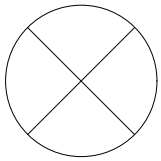
Total Ix = 225.4 cm4

8



Total Ix = 90.8 cm4

9



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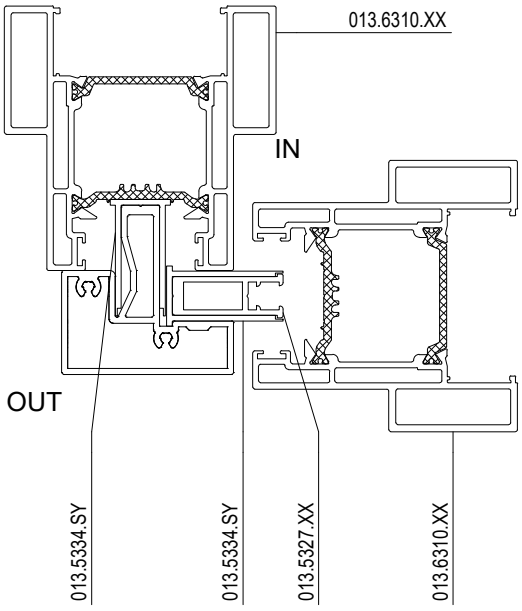
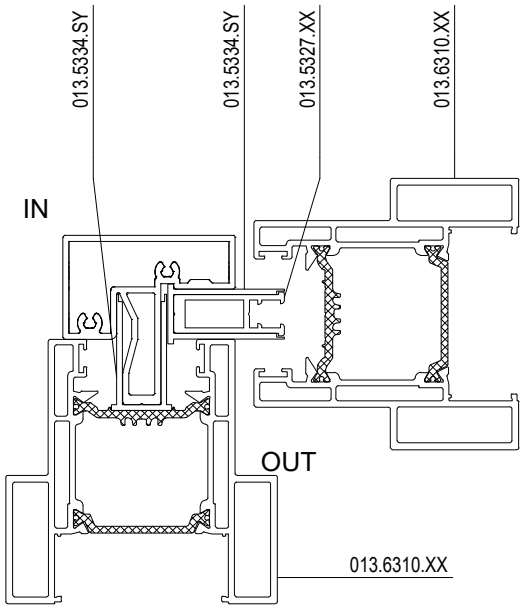


Total Ix = 31.8 cm4

10



Total Ix = 31.8 cm4

F

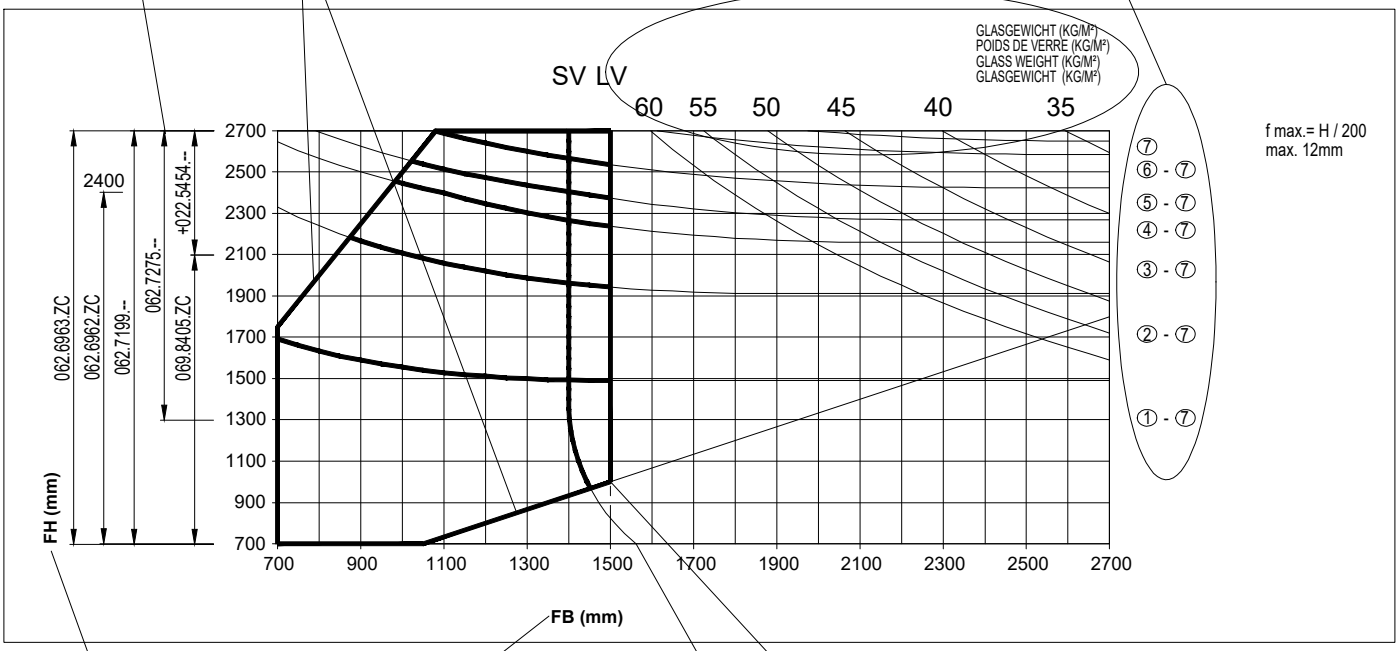
schaal - échelle
scale - Maßstab
1/2

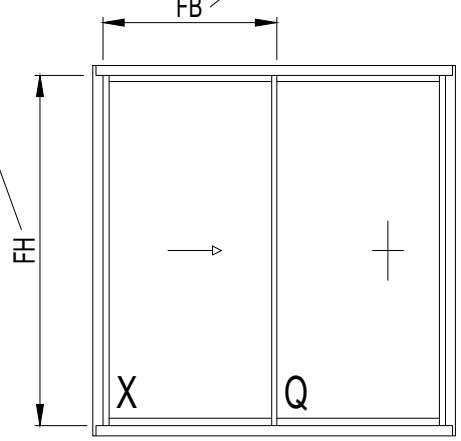
AANBEVOLEN SLUITPUNTEN
POINTS DE VERROUILLAGE RECOMMANDE
RECOMMENDED LOCKING POINTS
EMPFOHLEN SCHLIESSPUNKTE

PROFIELCOMBINATIES DIE KUNNEN GEBRUIKT WORDEN TOT DE EERST VOLGENDE GRENSLIJN
COMBINAISON DES PROFILES QUI PEUT ETRE UTILISE JUSQU'A LA PROCHAINE FRONTIERE
PROFILE COMBINATIONS WHICH CAN BE USED UNTIL FIRST FOLLOWING BOUNDARIE
PROFILKOMBINATIONEN DAS KANN BIS VERWENDET WERDEN BIS ZUM NACHSTEN GRENZE

GRENSLIJNEN HOOGTE/BREEDTE VERHOUDING
FRONTIERES HAUTEUR/LARGEUR RATIO
BOUNDARIES HEIGHT/WIDTH RATIO
GRENZEN HOHE/BREITE VERHALTNIS

GRENSLIJNEN MAXIMAAL GLASGEWICHT
FRONTIERES POIDS DE VERRE MAXIMUM
BOUNDARIES MAXIMUM GLASS WEIGHT
GRENZEN MAXIMUM GLASGEWICHT



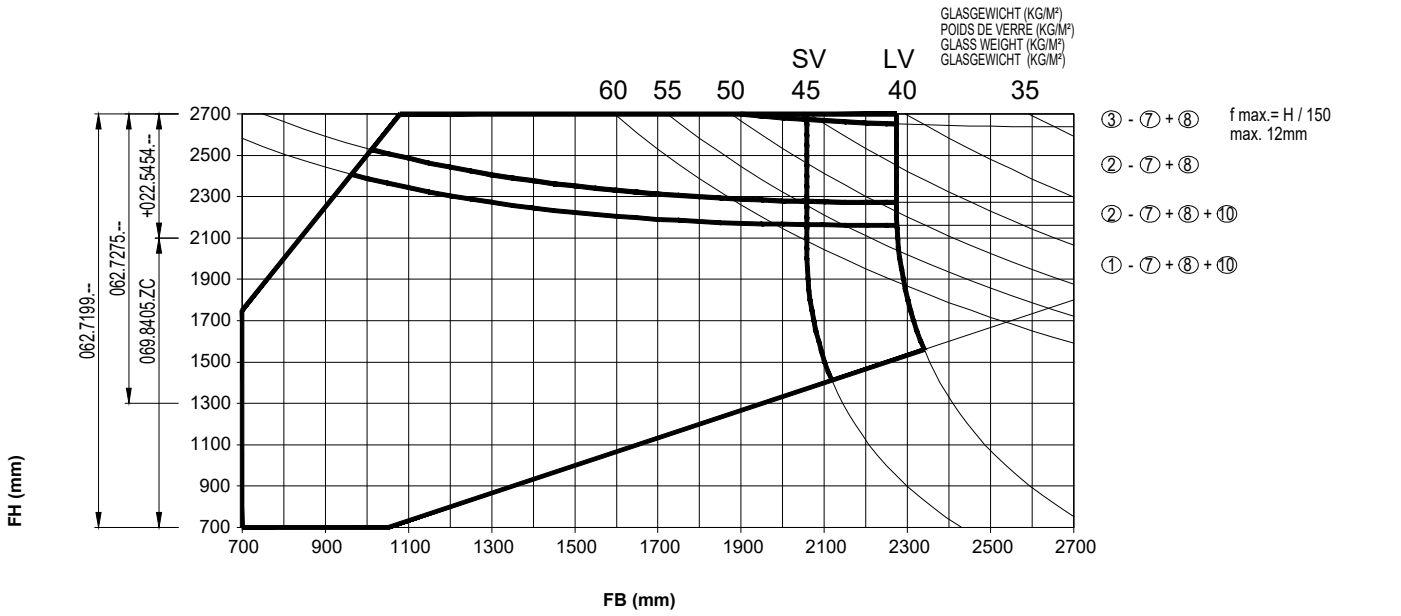


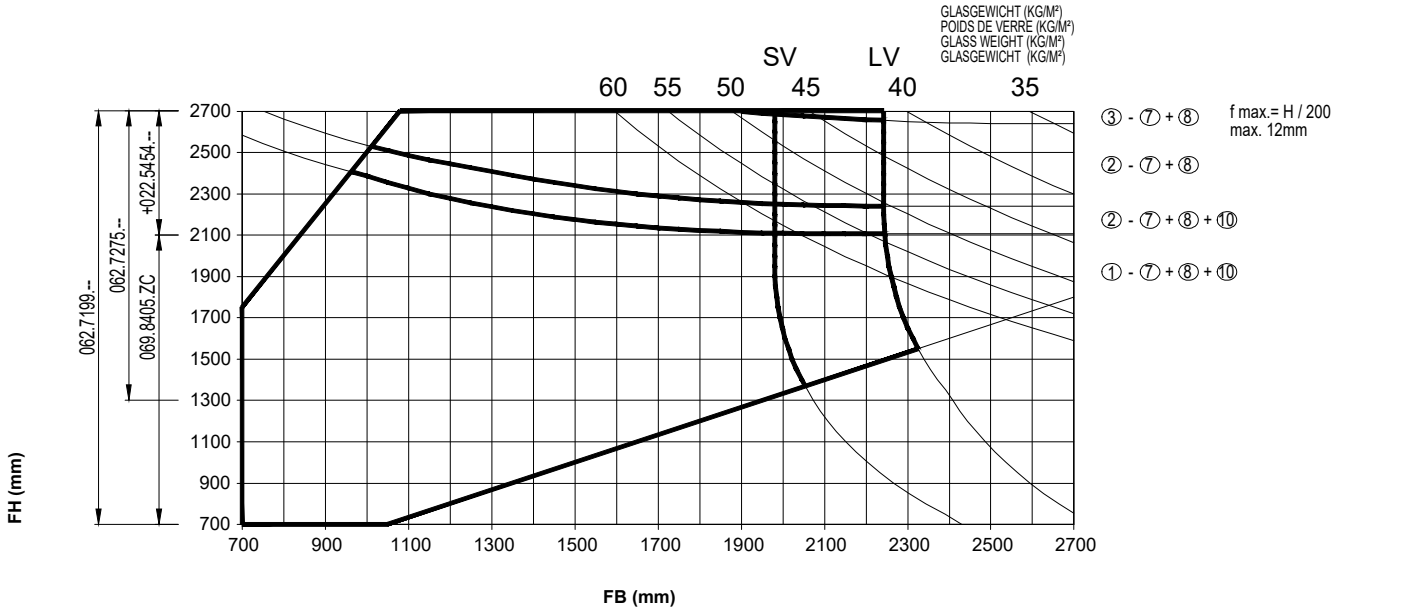
GRENSLIJN BIJ GEBRUIK GROTE VLEUGELPROFIELEN
FRONTIERES SI PROFILES GRAND EST UTILISE
BOUNDARIE WHEN LARGE VENT PROFILES ARE USED
GRENZE WENN GROB FLUEGELPROFILEN VERWENDET WERDEN

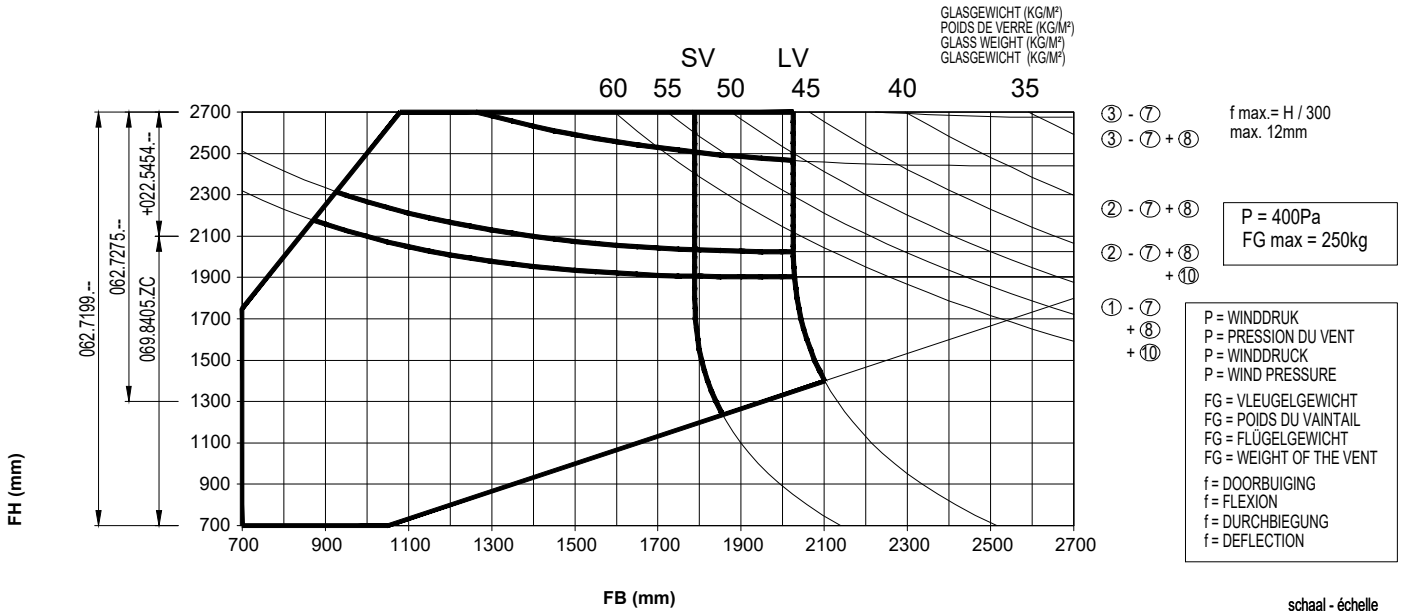
GRENSLIJN BIJ GEBRUIK STANDAARD VLEUGELPROFIELEN
FRONTIERES SI PROFILES CLASSIQUE EST UTILISE
BOUNDARIE WHEN STANDARD VENT PROFILES ARE USED
GRENZE WENN STANDARD FLUEGELPROFILEN VERWENDET WERDEN

F

schaal - échelle
scale - Maßstab
1/1





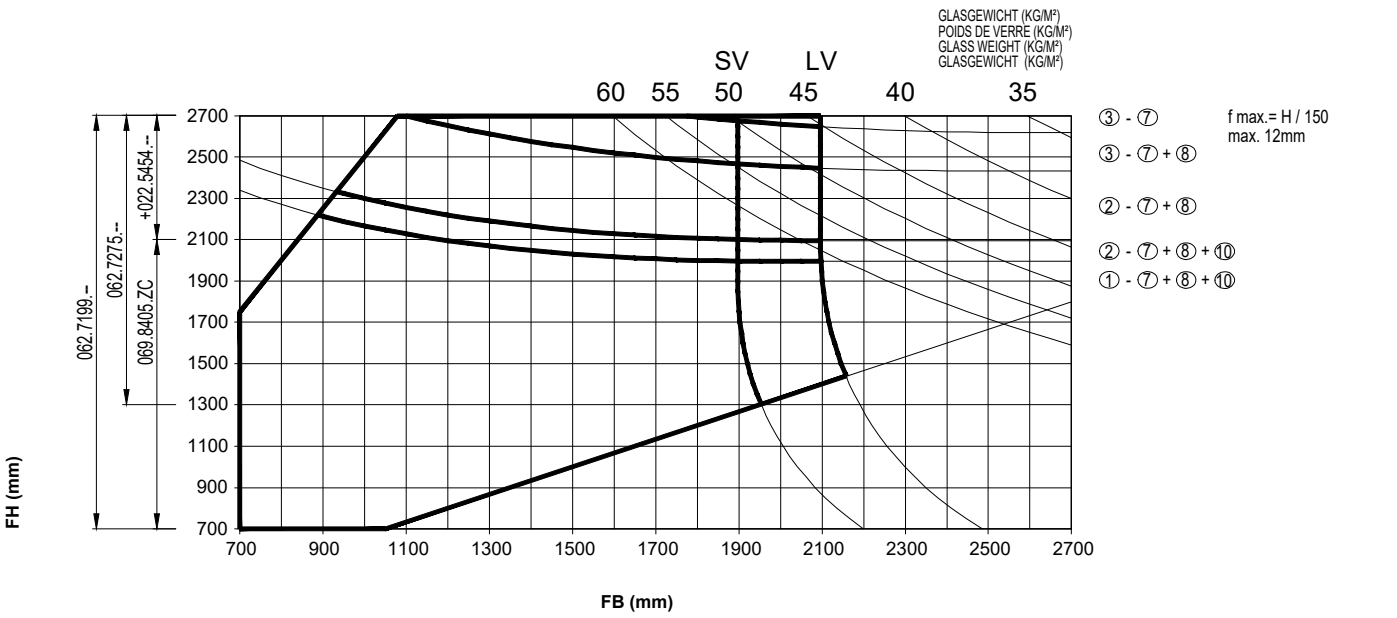


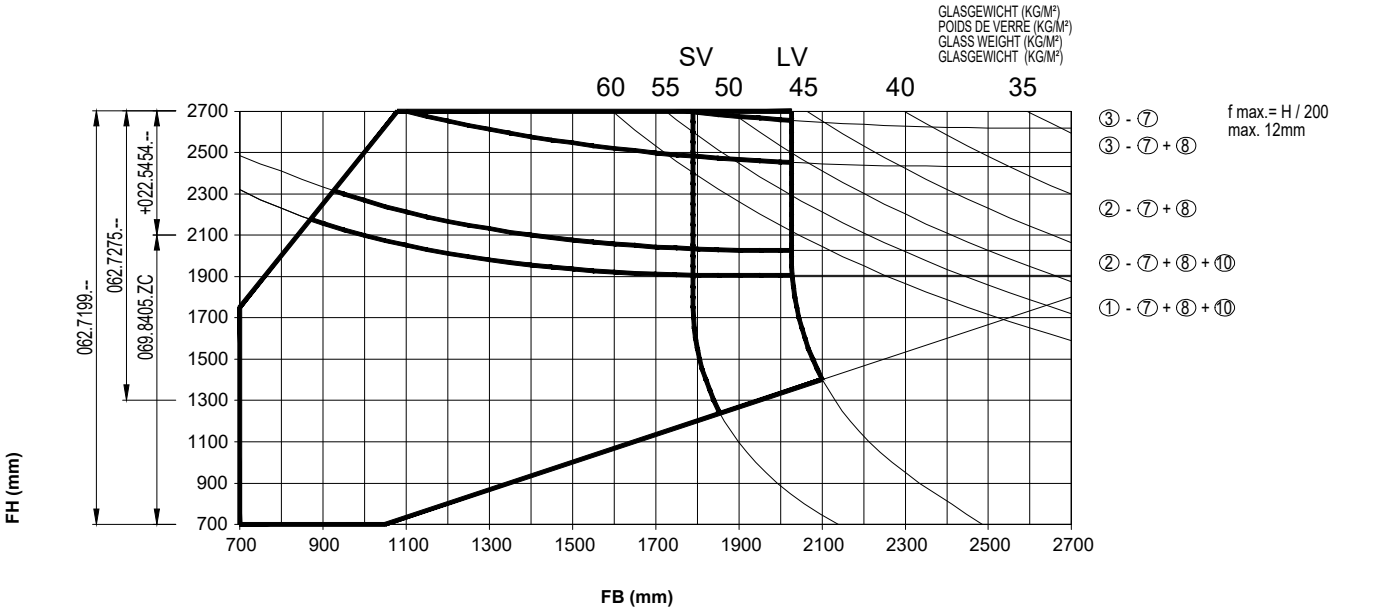
schaal - échelle
scale - Maßstab
1/2

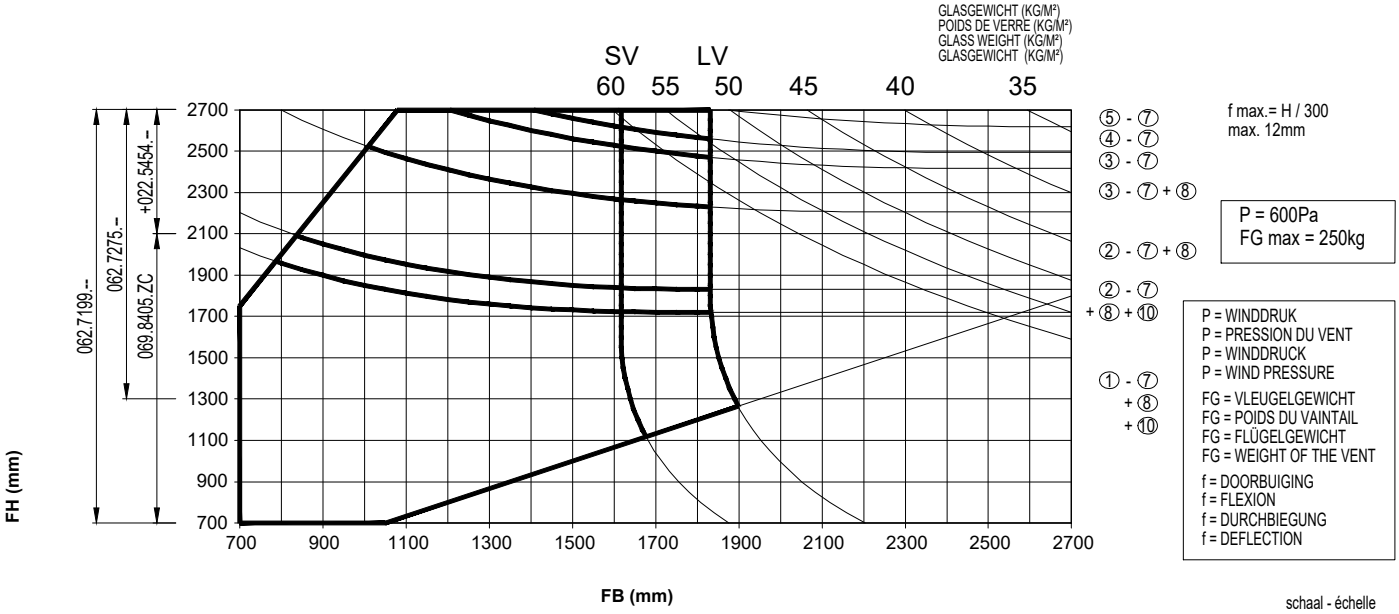
F

SlimPatio 68

MAX. TOELAATBARE AFMETINGEN
DIMENSIONS MAX. ADMISSIBLE
MAX. ADMISSIBLE SIZES
MAX. ZULAESSIGE ABMESSUNGEN

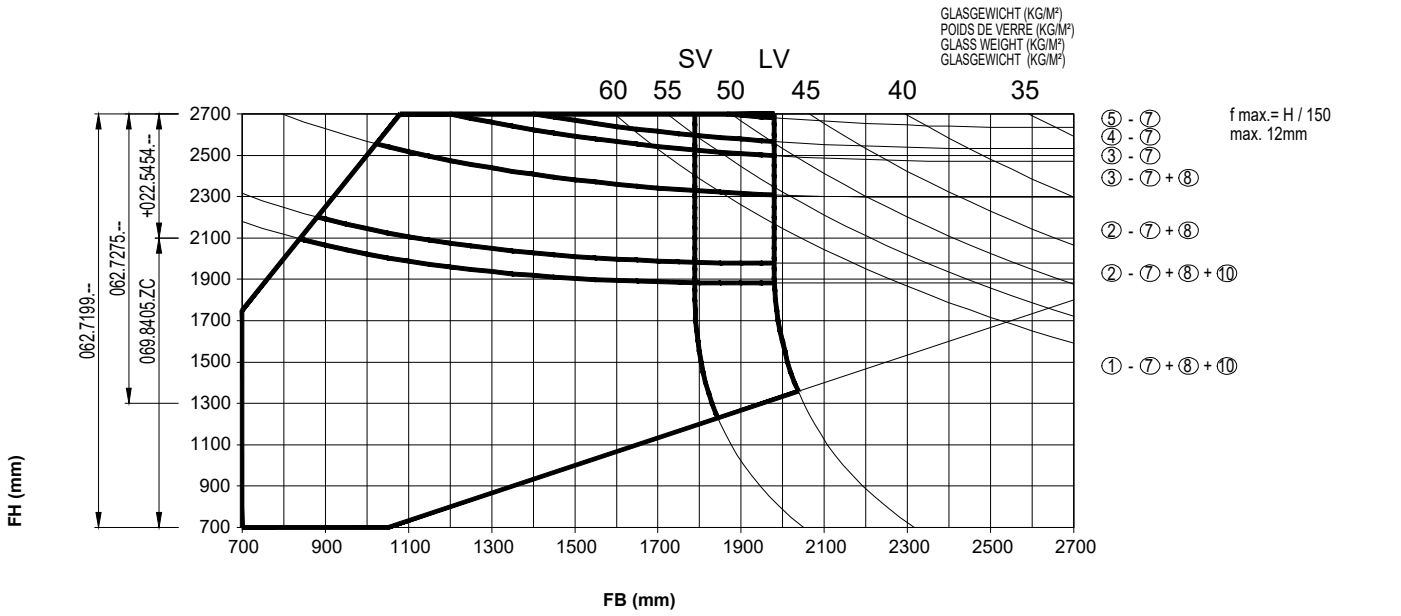


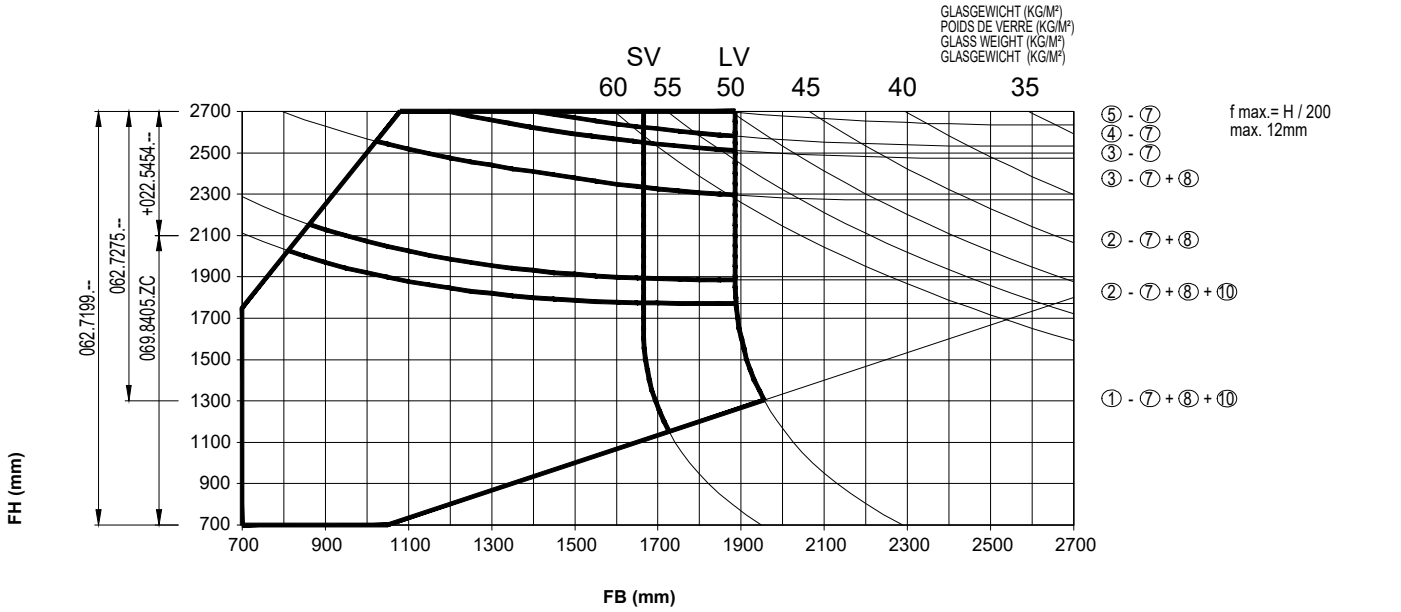


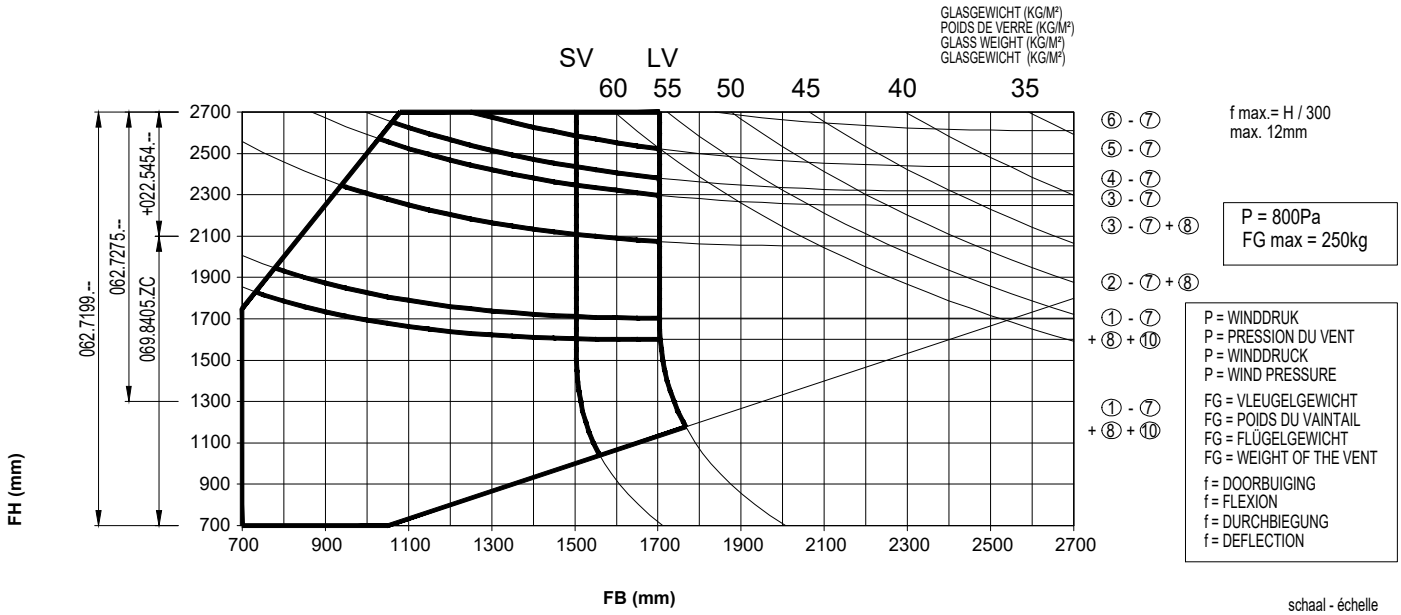


schaal - échelle
scale - Maßstab
1/1

F





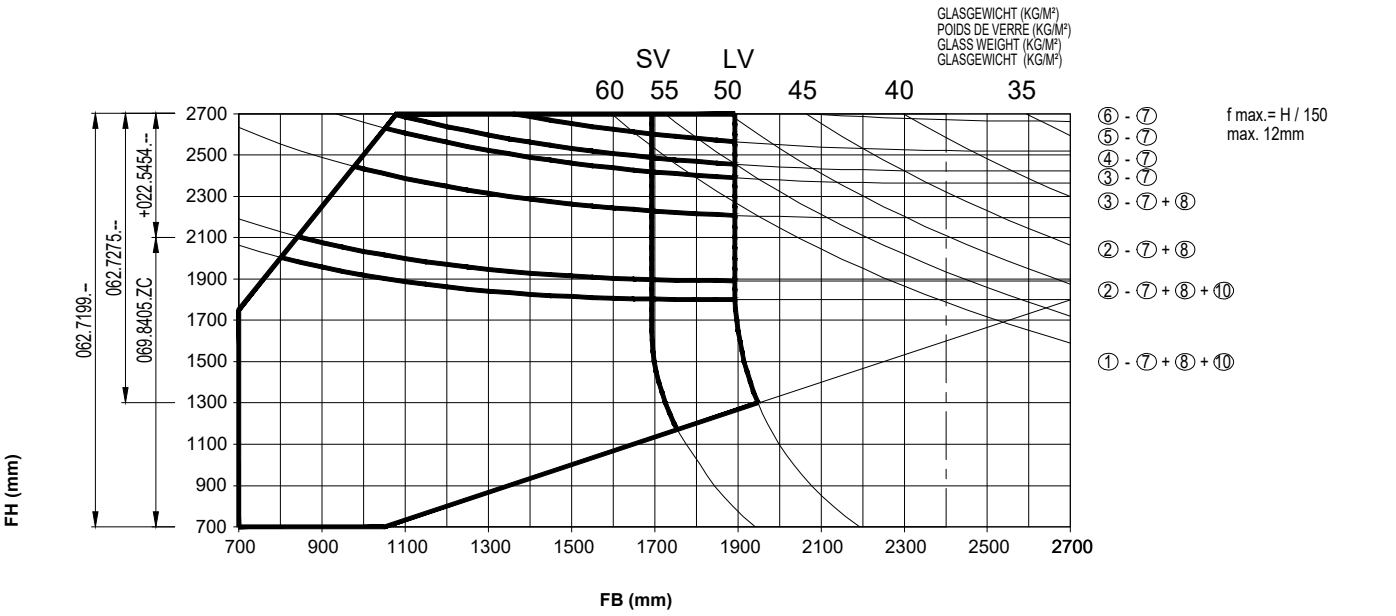


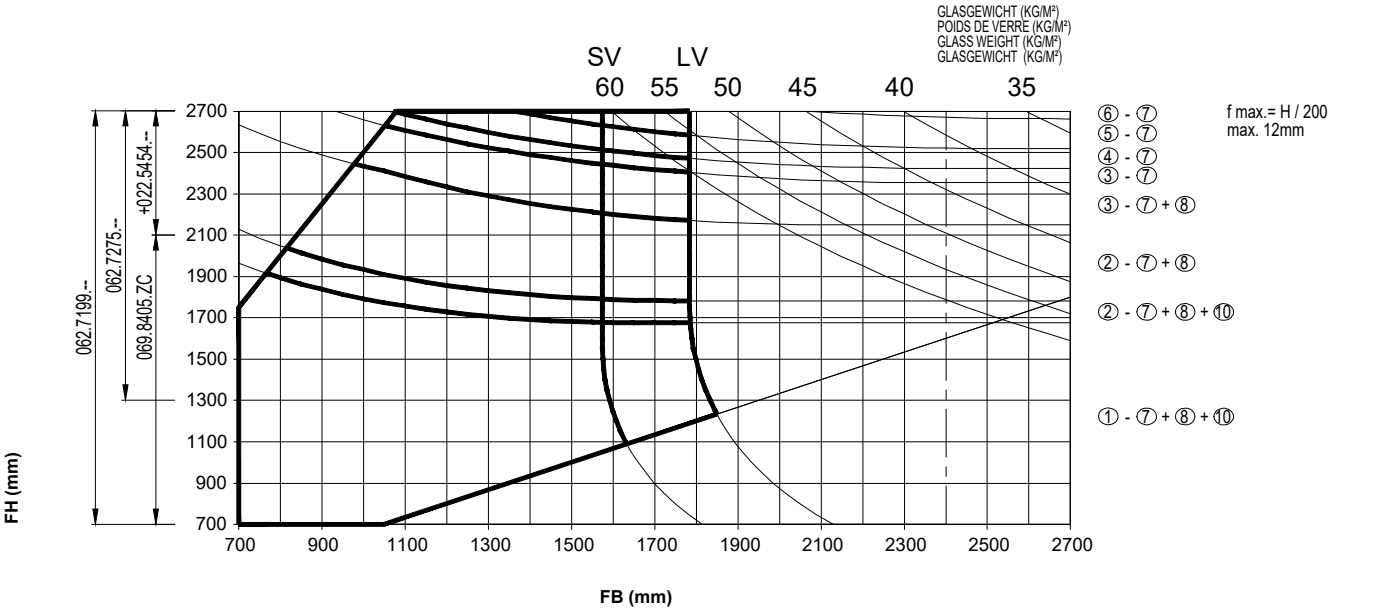
schaal - échelle
scale - Maßstab
1/1

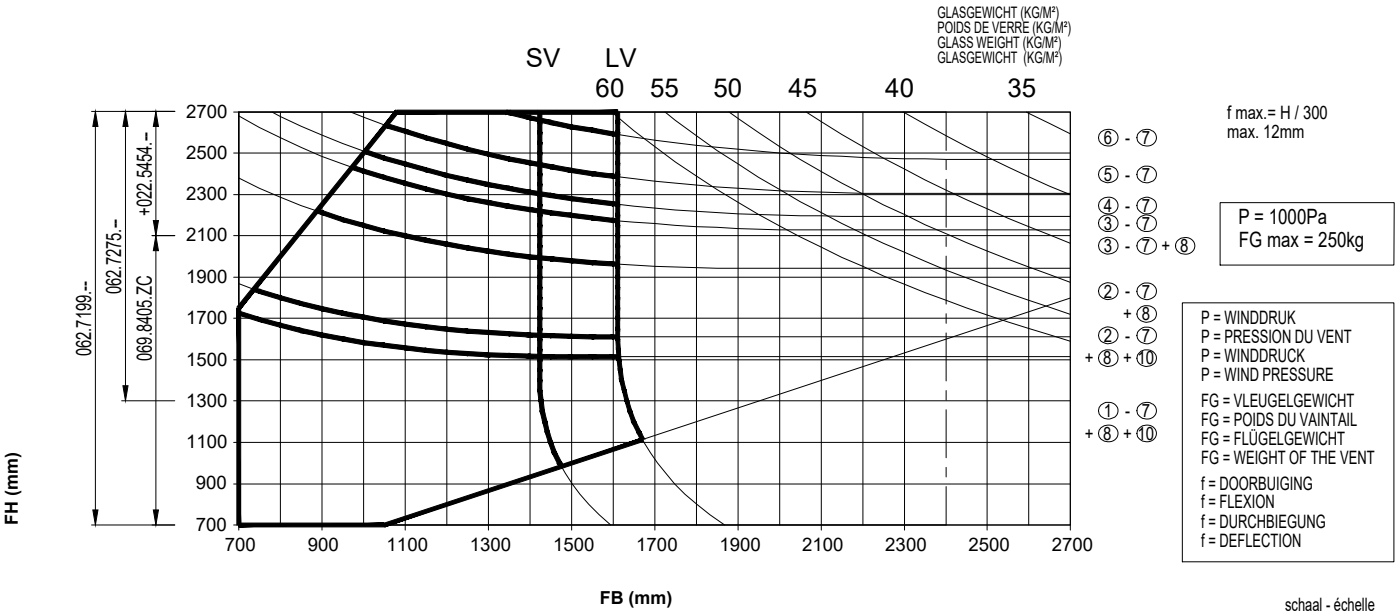
F

SlimPatio 68

MAX. TOELAATBARE AFMETINGEN
DIMENSIONS MAX. ADMISSIBLE
MAX. ADMISSIBLE SIZES
MAX. ZULAESSIGE ABMESSUNGEN







P = 1000Pa
FG max = 250kg

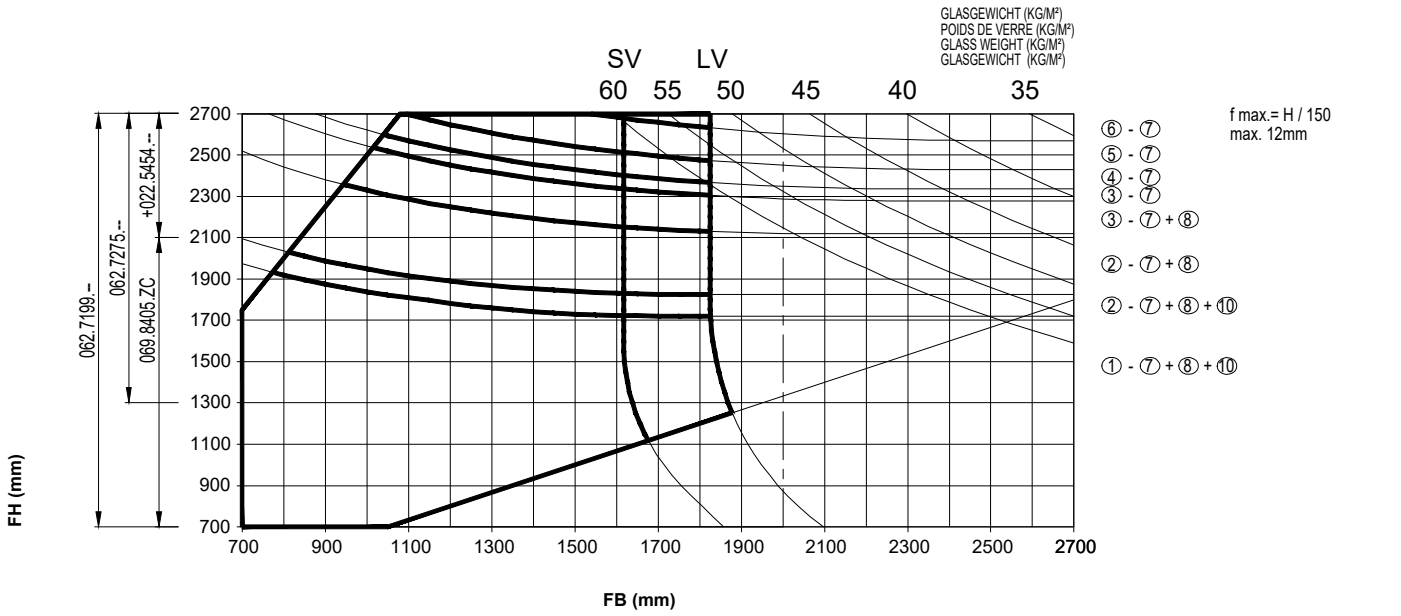
P = WINDDRUK
P = PRESSION DU VENT
P = WINDDRUCK
P = WIND PRESSURE

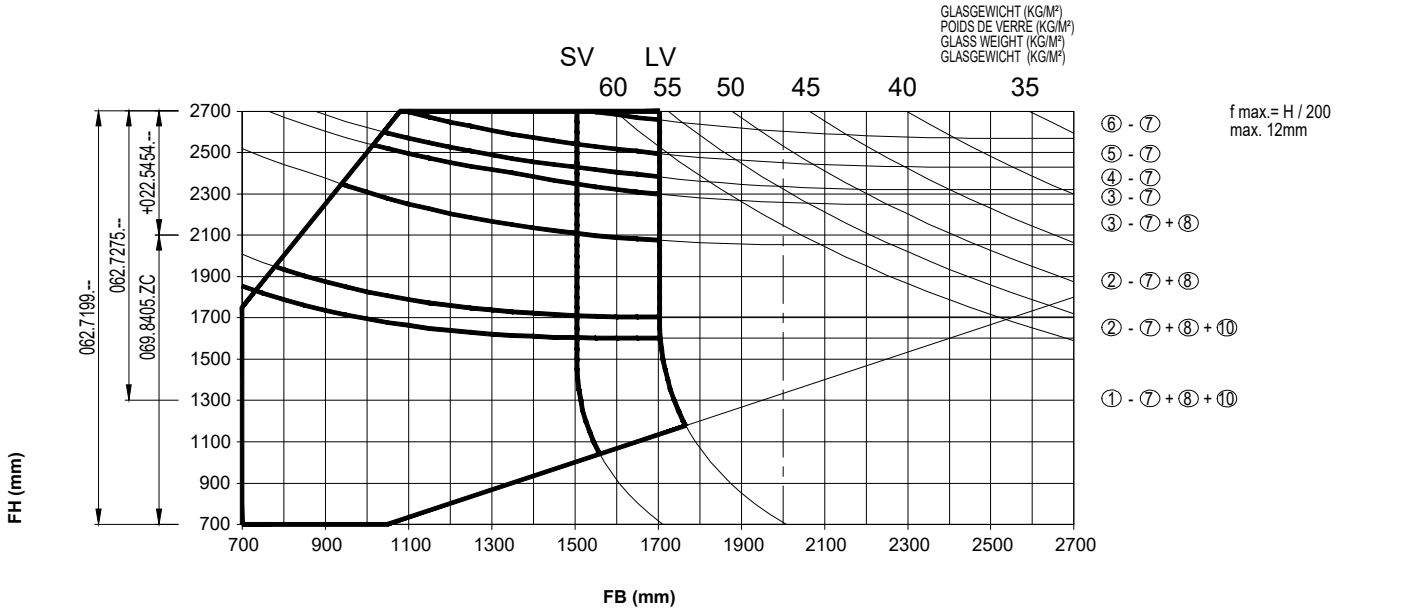
FG = VLEUGELGEWICHT
FG = POIDS DU VAINTAIL
FG = FLÜGELGEWICHT
FG = WEIGHT OF THE VENT

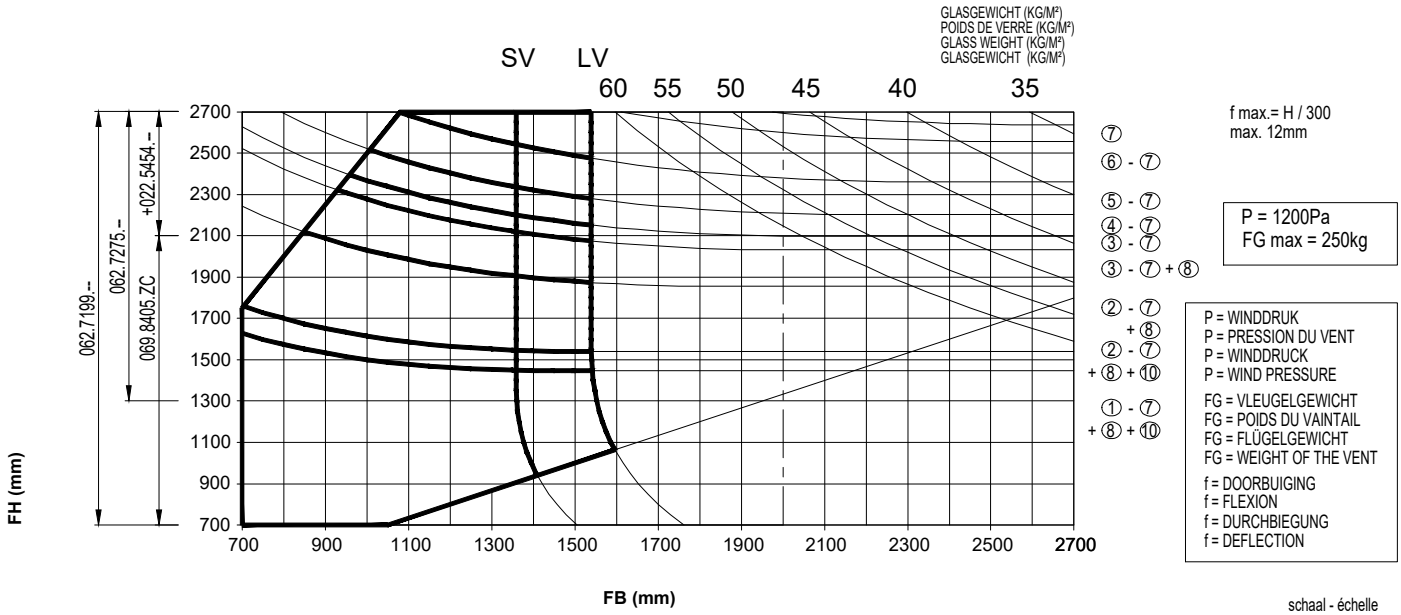
f = DOORBUIGING
f = FLEXION
f = DURCHBIEGUNG
f = DEFLECTION

schaal - échelle
scale - Maßstab
1/1

F







P = 1200Pa
FG max = 250kg

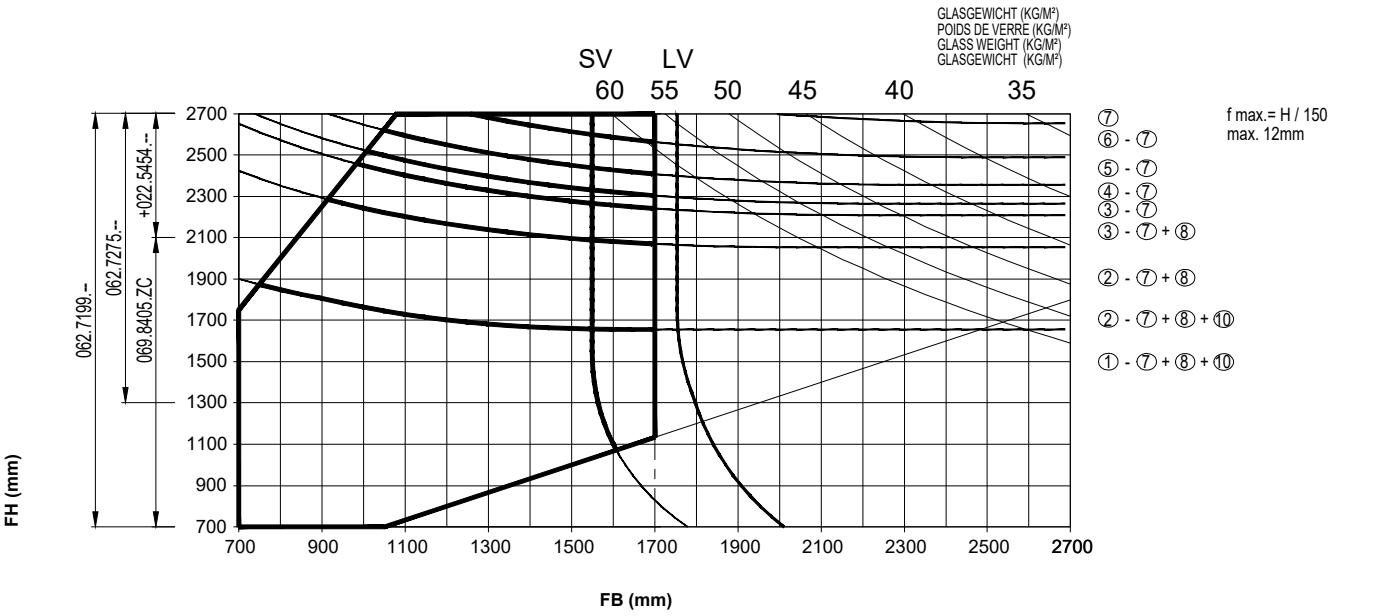
P = WINDDRUK
P = PRESSION DU VENT
P = WINDDRUCK
P = WIND PRESSURE

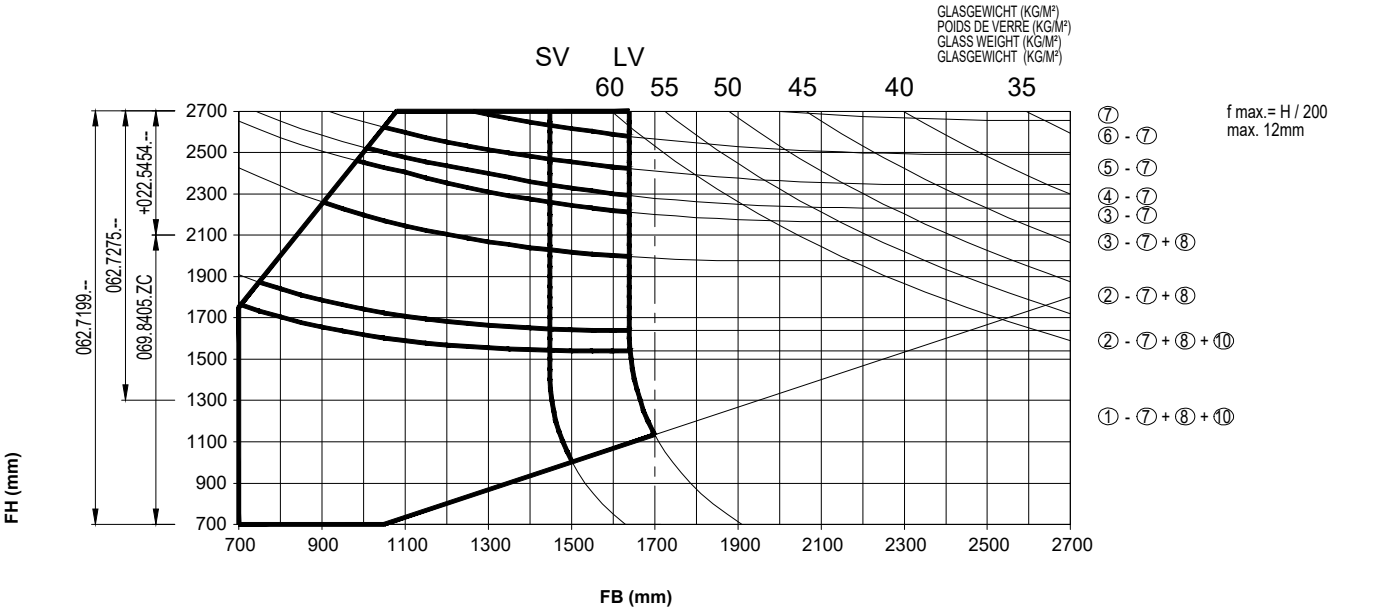
FG = VLEUGELGEWICHT
FG = POIDS DU VAINTAIL
FG = FLÜGELGEWICHT
FG = WEIGHT OF THE VENT

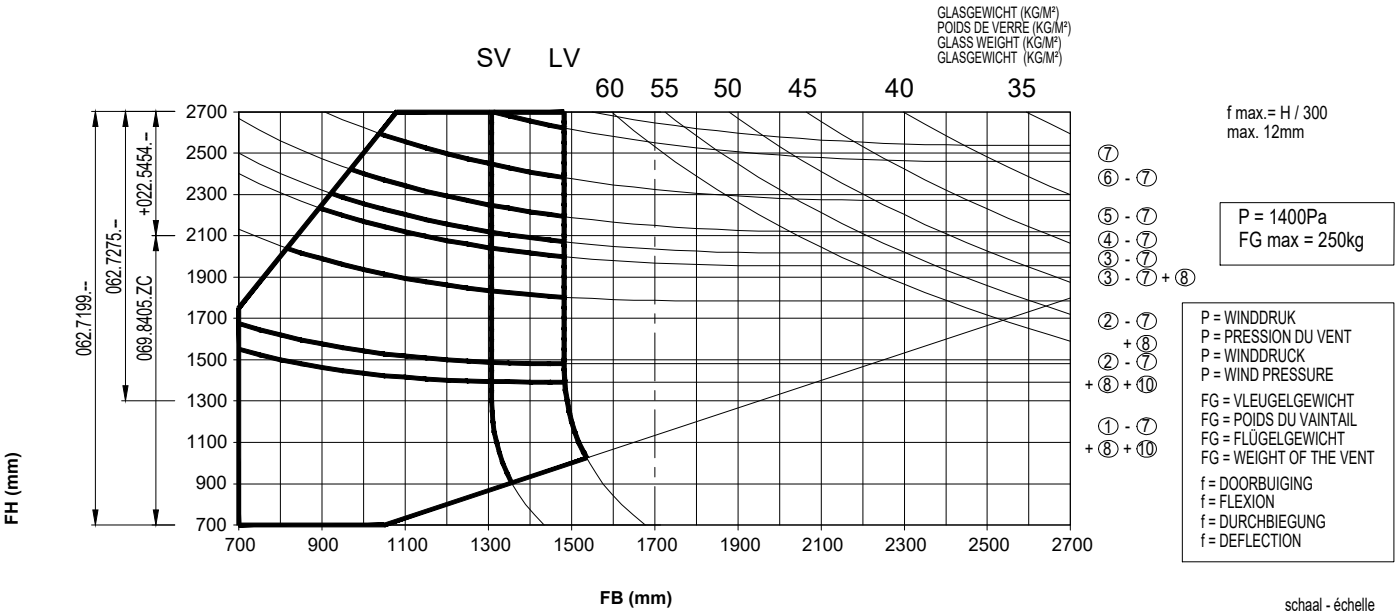
f = DOORBUIGING
f = FLEXION
f = DURCHBIEGUNG
f = DEFLECTION

schaal - échelle
scale - Maßstab
1/1

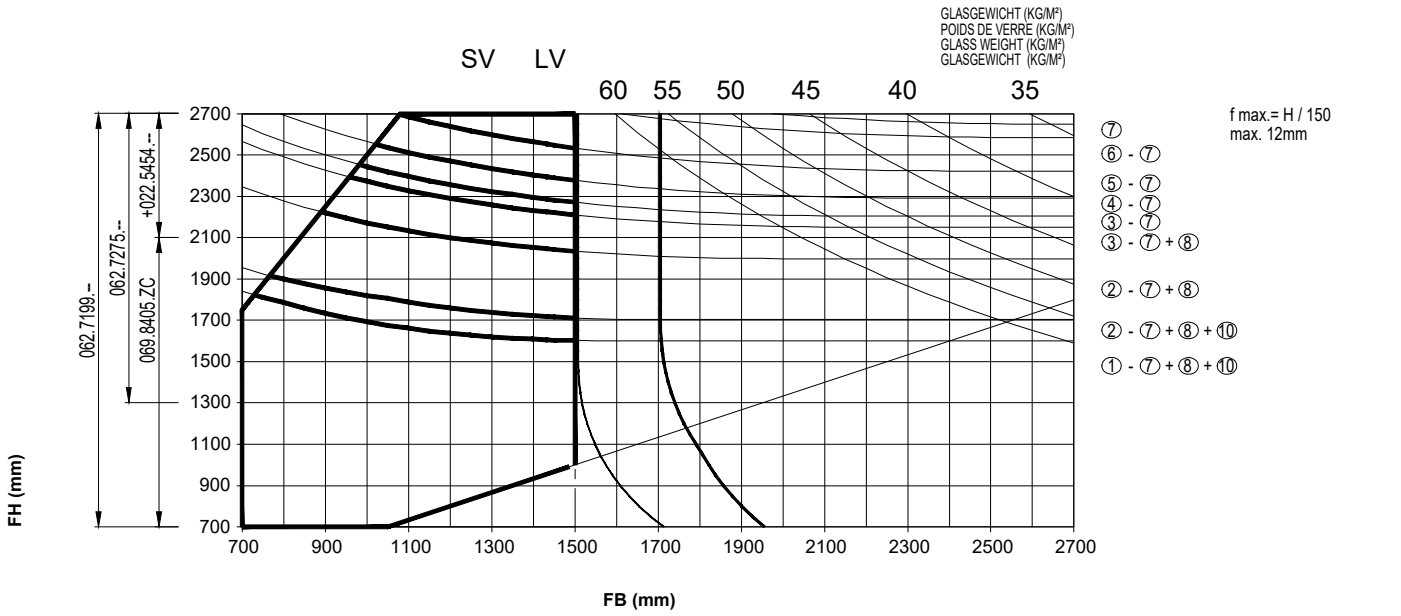
F

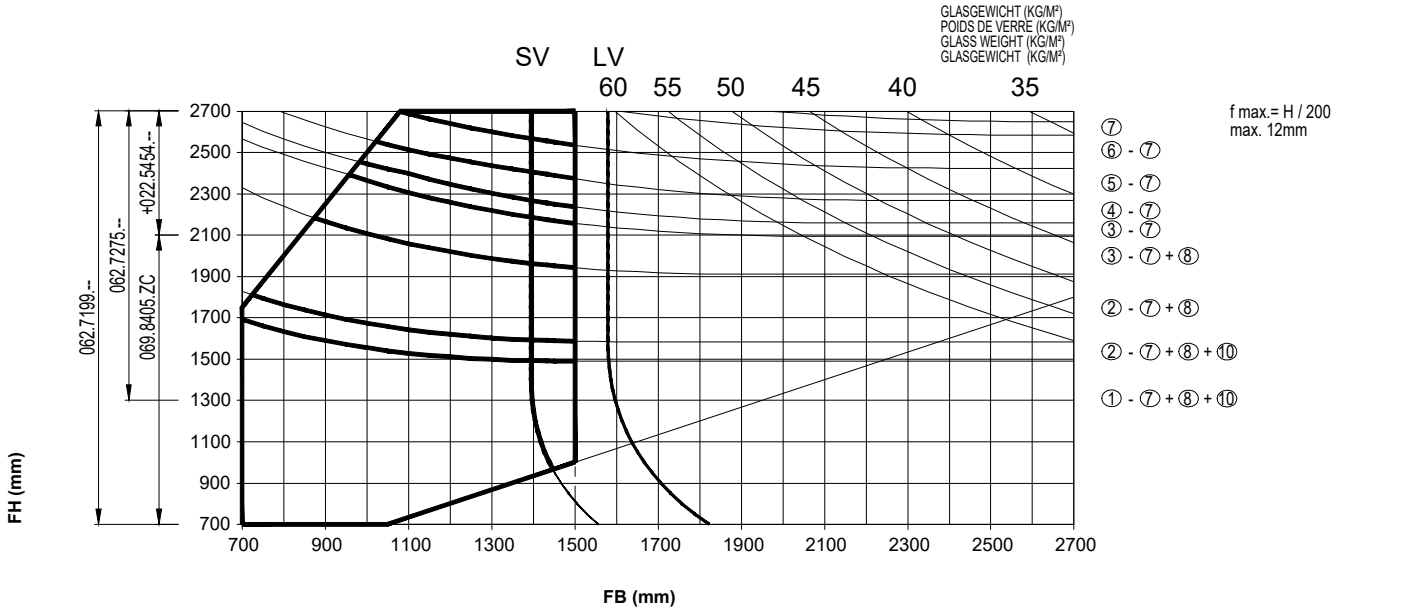


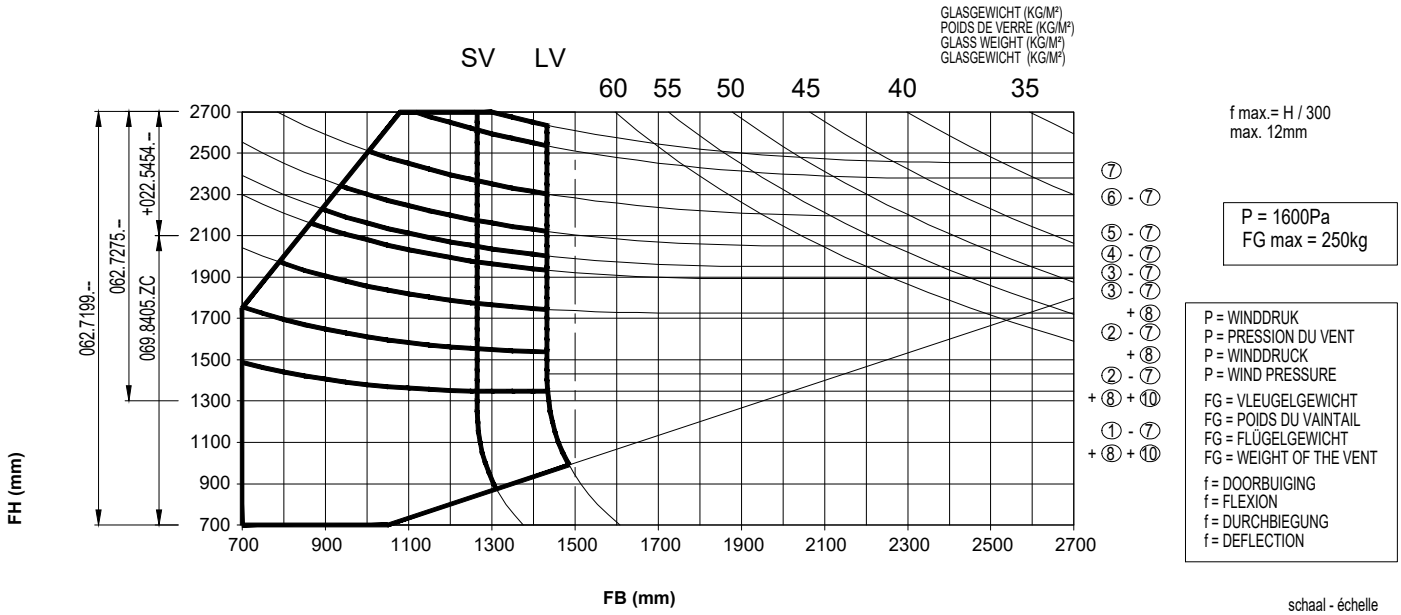




schaal - échelle
scale - Maßstab
1/1







P = 1600Pa
FG max = 250kg

P = WINDDRUK
P = PRESSION DU VENT
P = WINDDRUCK
P = WIND PRESSURE

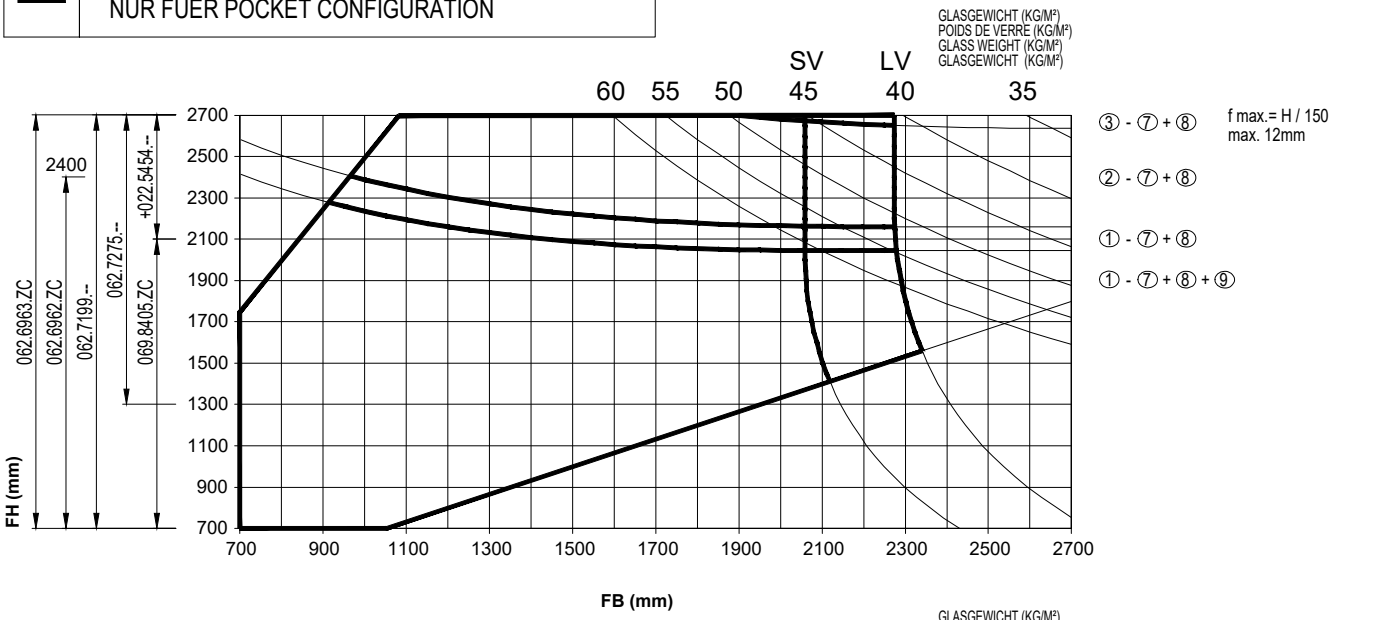
FG = VLEUGELGEWICHT
FG = POIDS DU VAINTAIL
FG = FLÜGELGEWICHT
FG = WEIGHT OF THE VENT

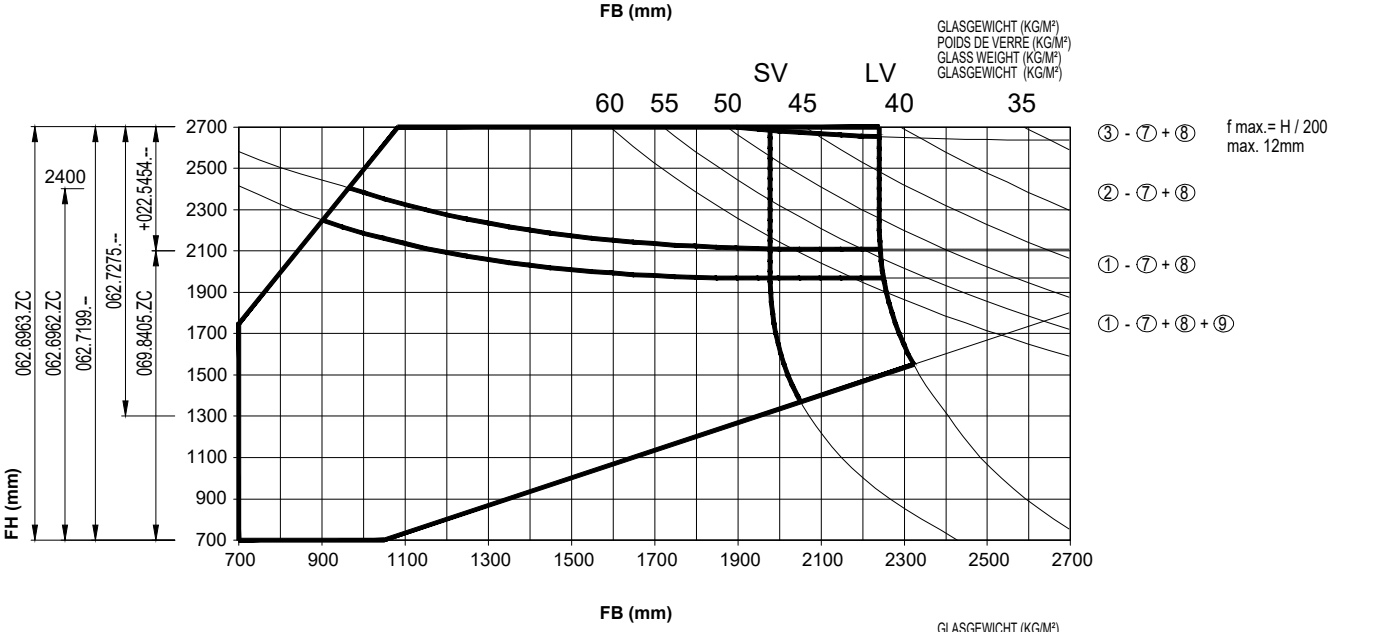
f = DOORBUIGING
f = FLEXION
f = DURCHBIEGUNG
f = DEFLECTION

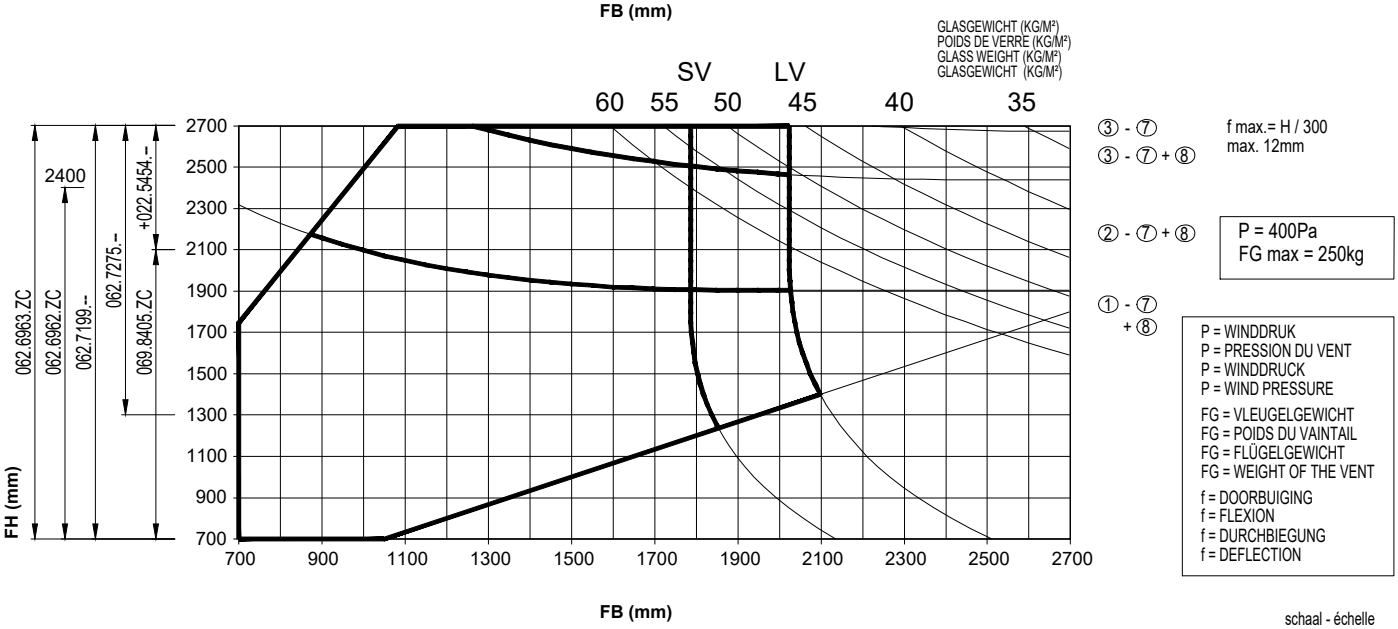
schaal - échelle
scale - Maßstab
1/1

F

ENKEL VOOR POCKET CONFIGURATIE
UNIQUEMENT POUR CONFIGURATION POCKET
ONLY FOR POCKET CONFIGURATION
NUR FUER POCKET CONFIGURATION







P = 400Pa
FG max = 250kg

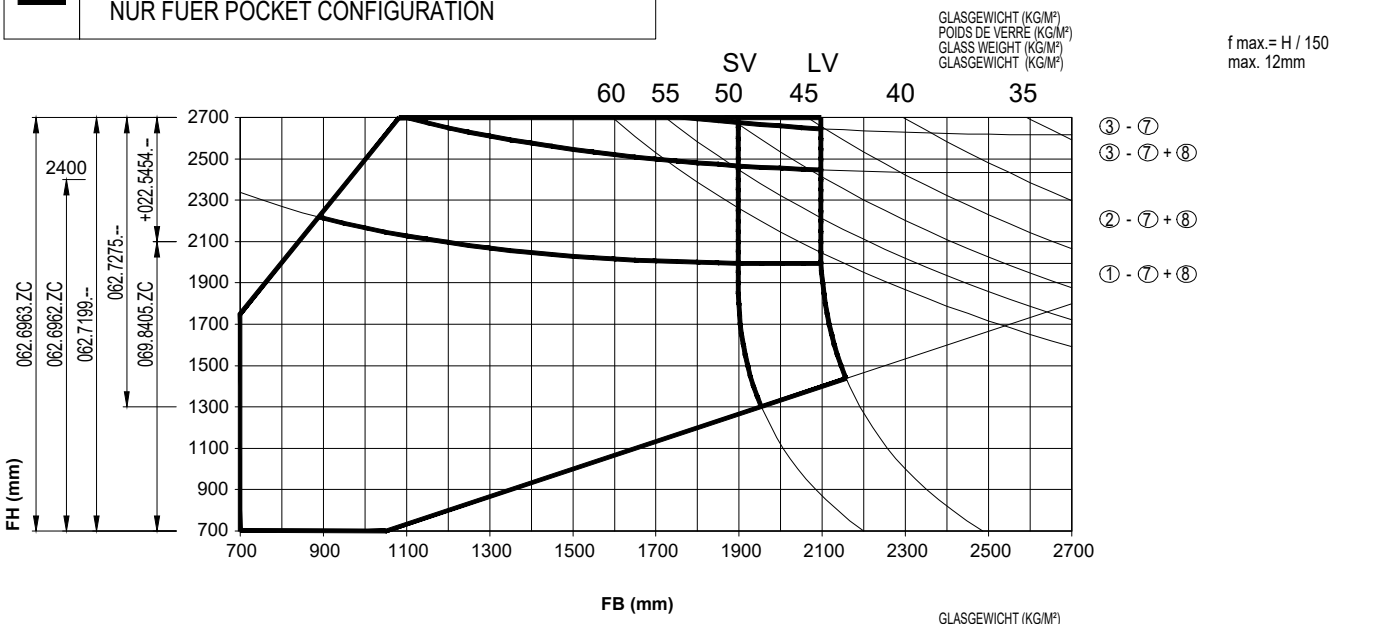
P = WINDDRUK
P = PRESSION DU VENT
P = WINDDRUCK
P = WIND PRESSURE

FG = VLEUGELGEWICHT
FG = POIDS DU VAINTAIL
FG = FLÜGELGEWICHT
FG = WEIGHT OF THE VENT

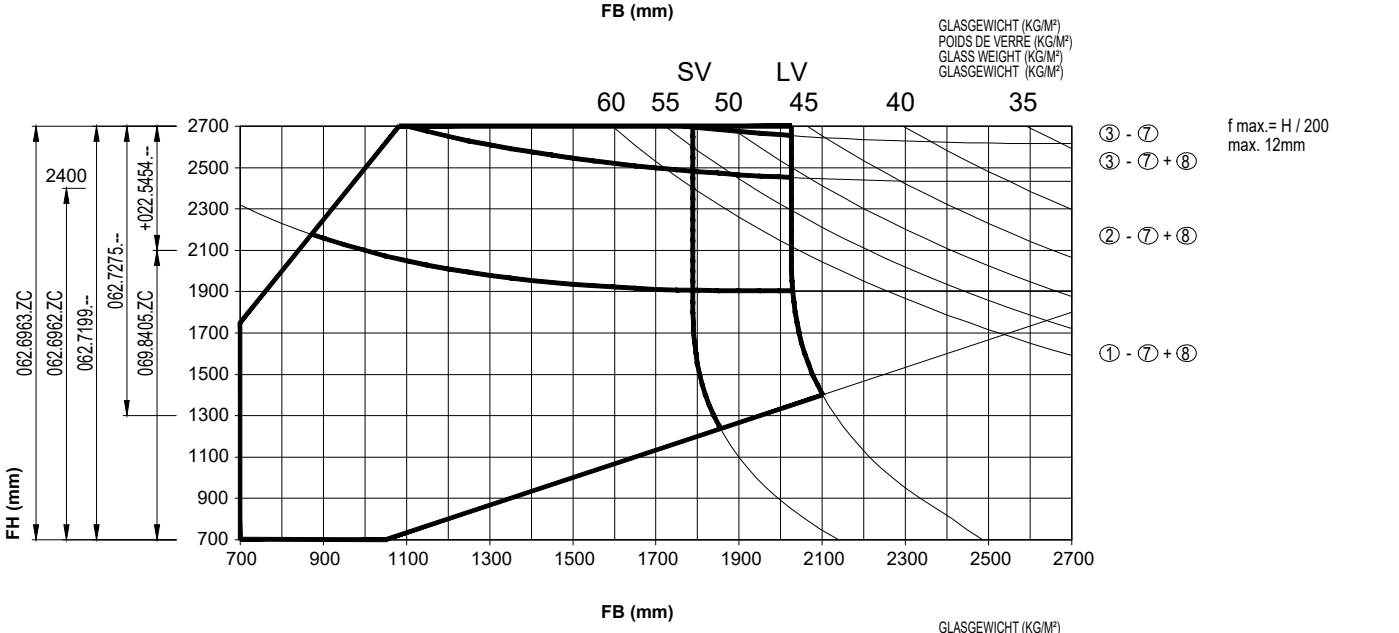
f = DOORBUIGING
f = FLEXION
f = DURCHBIEGUNG
f = DEFLECTION

schaal - échelle
scale - Maßstab
1/1

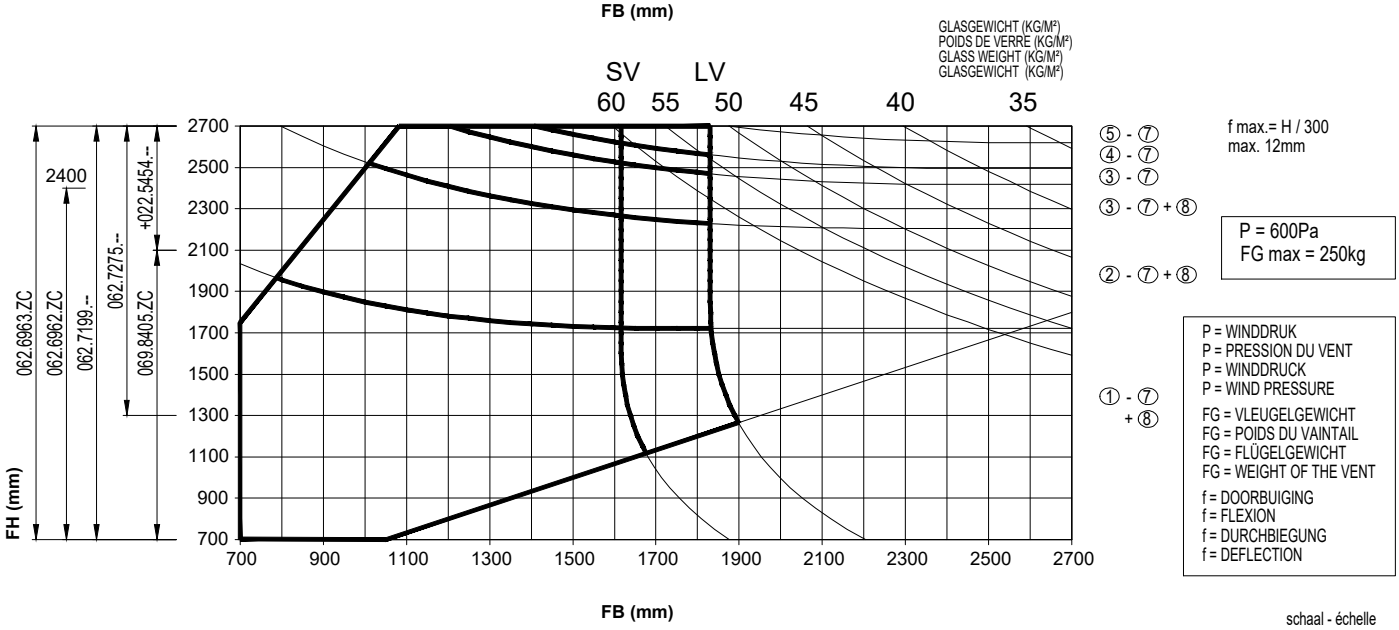
ENKEL VOOR POCKET CONFIGURATIE
UNIQUEMENT POUR CONFIGURATION POCKET
ONLY FOR POCKET CONFIGURATION
NUR FUER POCKET CONFIGURATION



f max.= H / 150
max. 12mm



f max.= H / 200
max. 12mm



f max.= H / 300
max. 12mm

P = 600Pa
FG max = 250kg

P = WINDDRUK
P = PRESSION DU VENT
P = WINDDRUCK
P = WIND PRESSURE

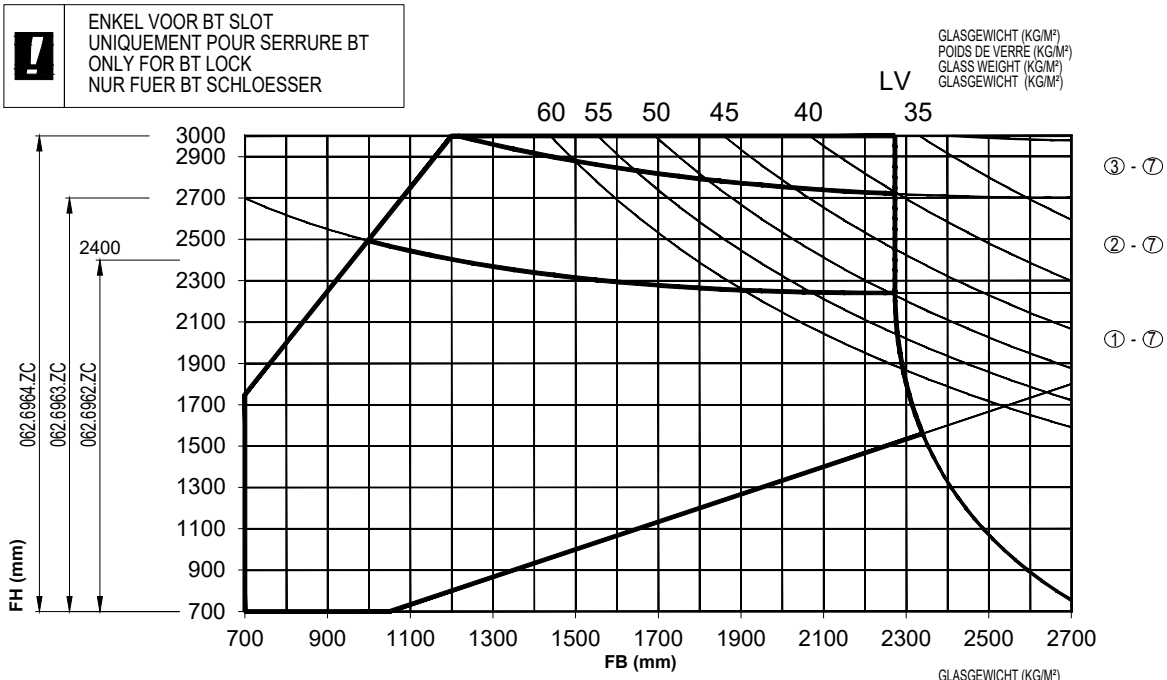
FG = VLEUGELGEWICHT
FG = POIDS DU VAINTAIL
FG = FLÜGELGEWICHT
FG = WEIGHT OF THE VENT

f = DOORBUIGING
f = FLEXION
f = DURCHBIEGUNG
f = DEFLECTION

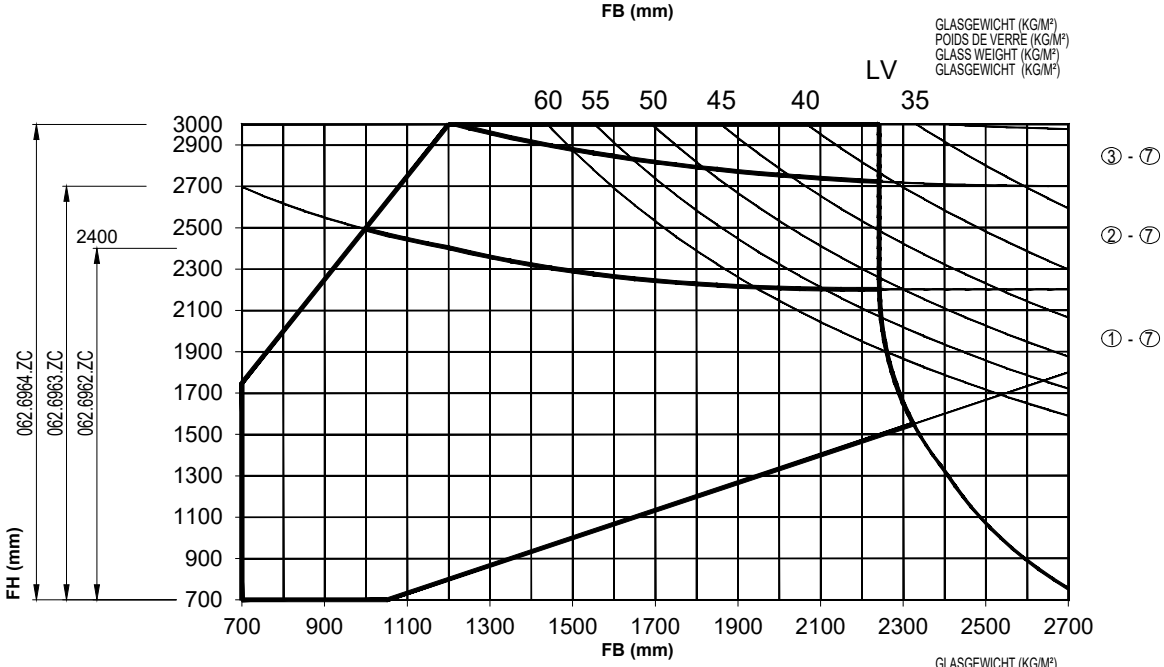
schaal - échelle
scale - Maßstab
1/1

F

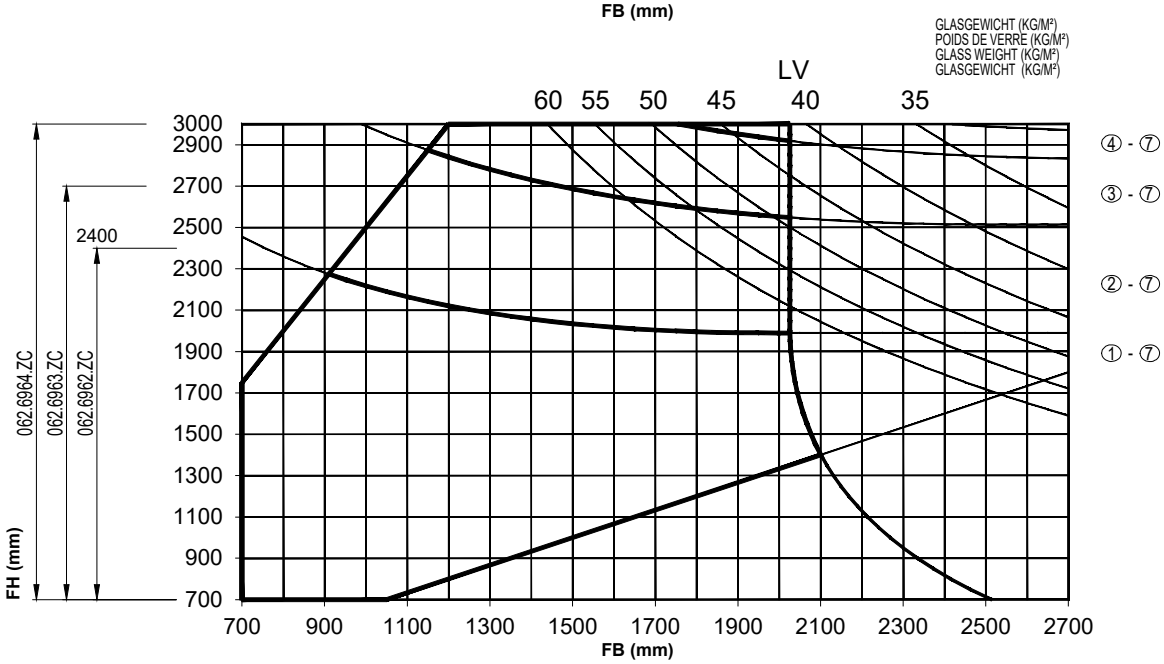
ENKEL VOOR BT SLOT
UNIQUEMENT POUR SERRURE BT
ONLY FOR BT LOCK
NUR FUER BT SCHLOESSER



f max.= H / 150
max. 12mm



f max.= H / 200
max. 12mm



f max.= H / 300
max. 12mm

P = 400Pa
FG max = 250kg

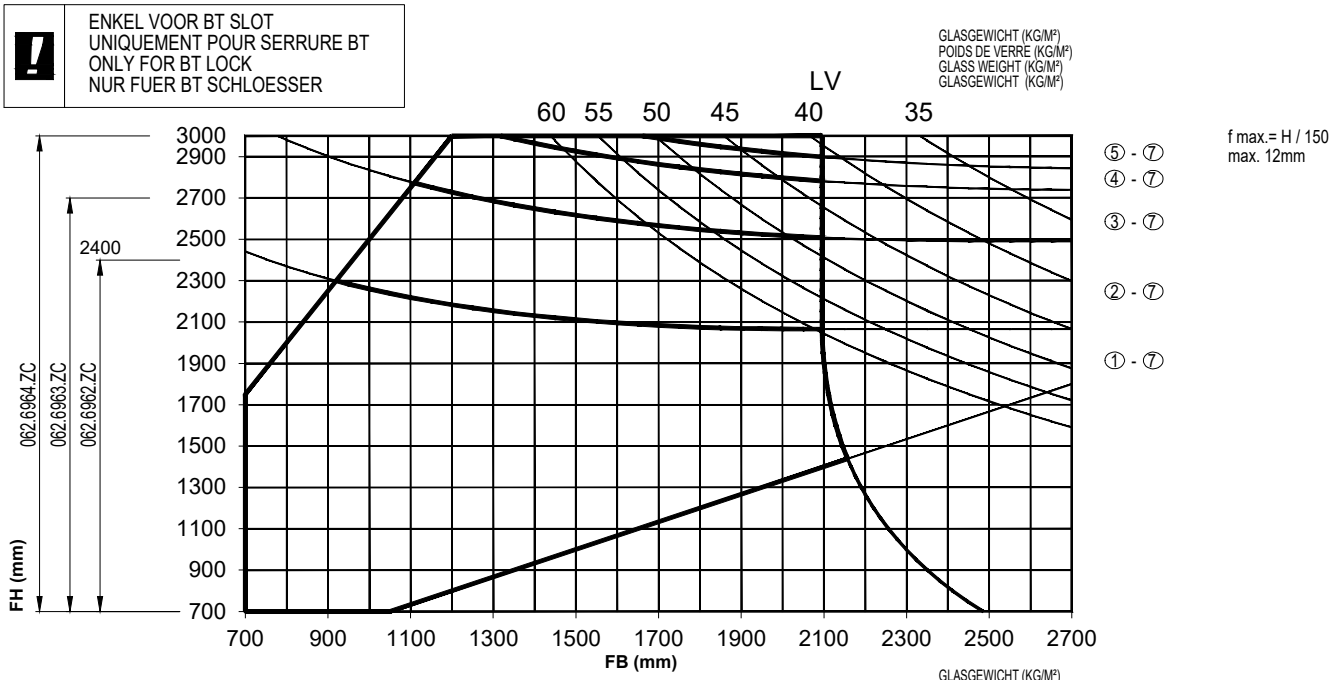
P = WINDDRUK
P = PRESSION DU VENT
P = WINDDRUCK
P = WIND PRESSURE

FG = VLEUGELGEWICHT
FG = POIDS DU VAINTAIL
FG = FLÜGELGEWICHT
FG = WEIGHT OF THE VENT

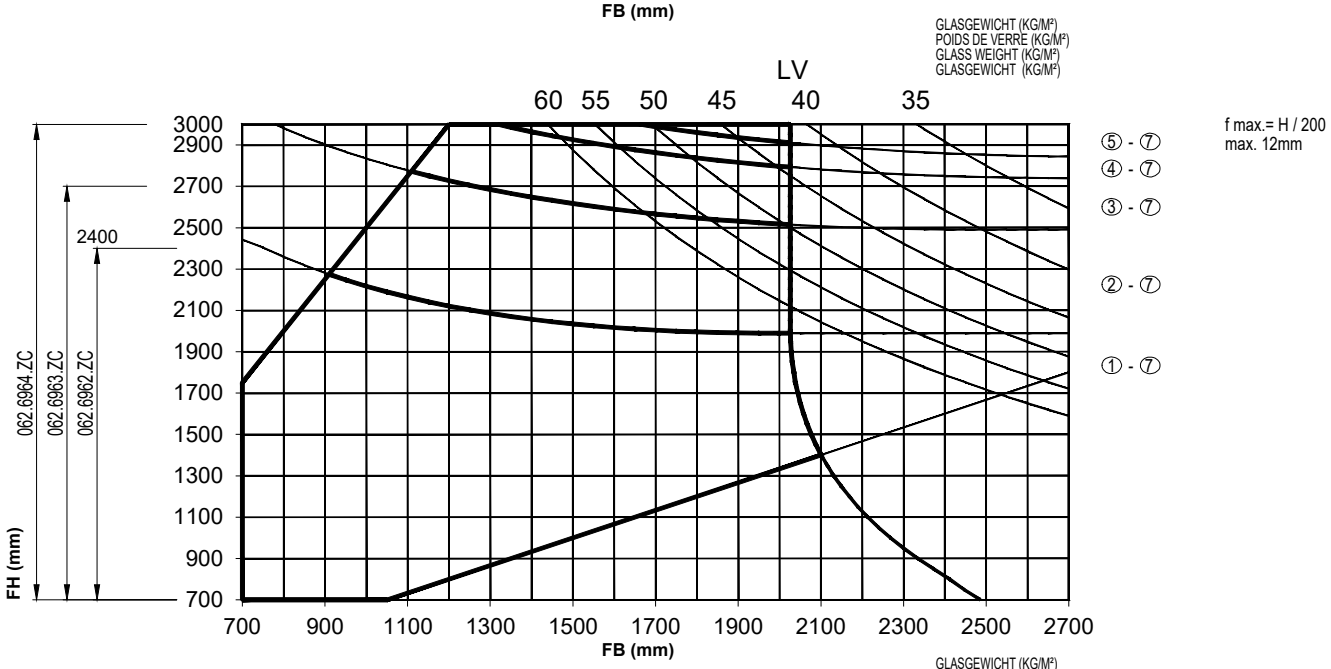
f = DOORBUIGING
f = FLEXION
f = DURCHBIEGUNG
f = DEFLECTION

schaal - échelle
scale - Maßstab
1/1

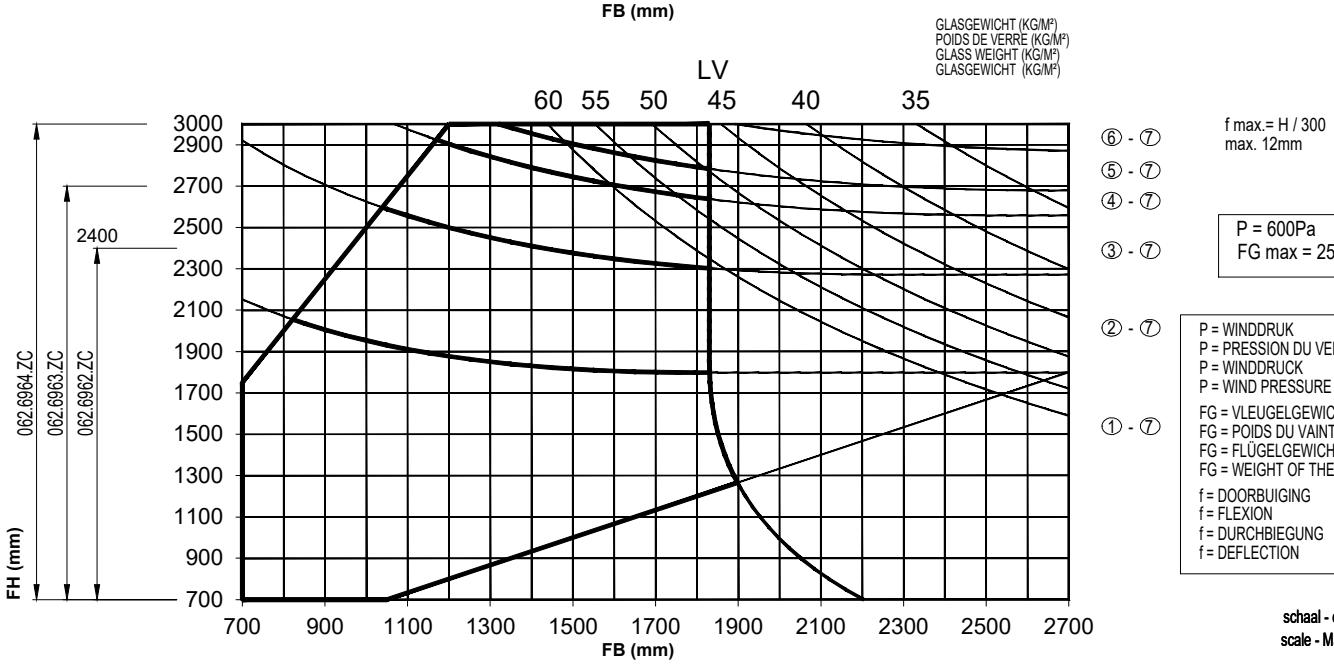
ENKEL VOOR BT SLOT
UNIQUEMENT POUR SERRURE BT
ONLY FOR BT LOCK
NUR FUER BT SCHLOESSER



f max.= H / 150
max. 12mm



f max.= H / 200
max. 12mm



f max.= H / 300
max. 12mm

P = 600Pa
FG max = 250kg

P = WINDDRUK
P = PRESSION DU VENT
P = WINDDRUCK
P = WIND PRESSURE

FG = VLEUGELGEWICHT
FG = POIDS DU VAINTAIL
FG = FLÜGELGEWICHT
FG = WEIGHT OF THE VENT

f = DOORBUIGING
f = FLEXION
f = DURCHBIEGUNG
f = DEFLECTION

schaal - échelle
scale - Maßstab
1/1

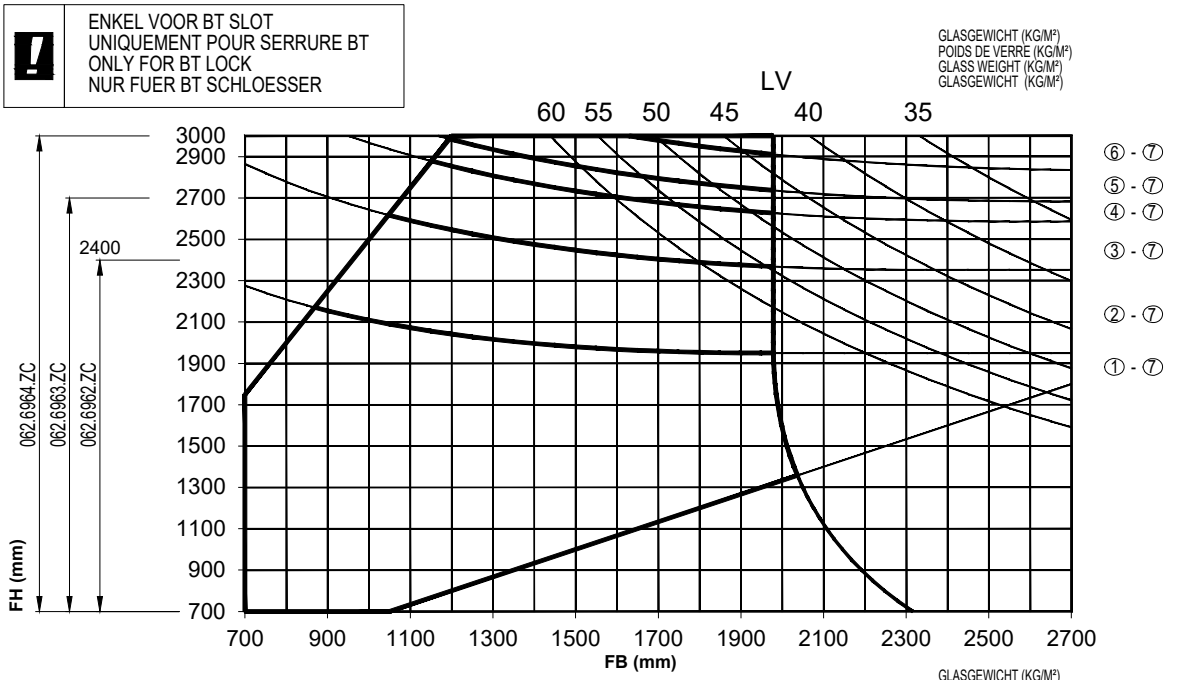
F

SlimPatio 68

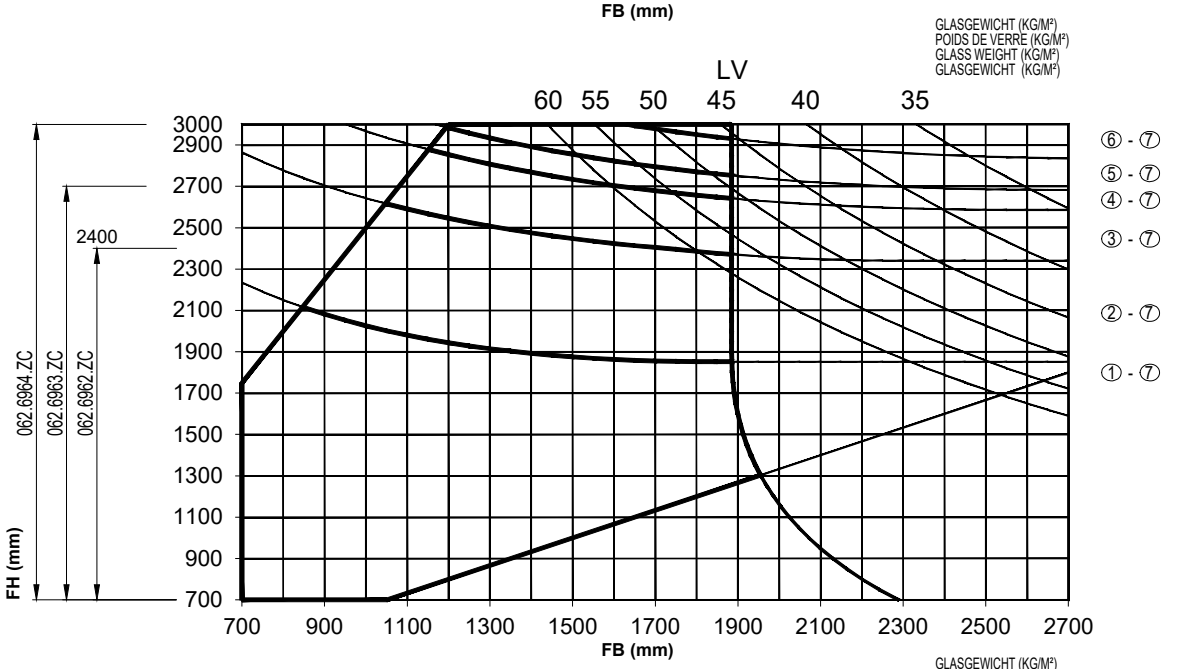
MAX. TOELAATBARE AFMETINGEN
DIMENSIONS MAX. ADMISSIBLE
MAX. ADMISSIBLE SIZES
MAX. ZULAESSIGE ABMESSUNGEN

Reynaers Aluminium

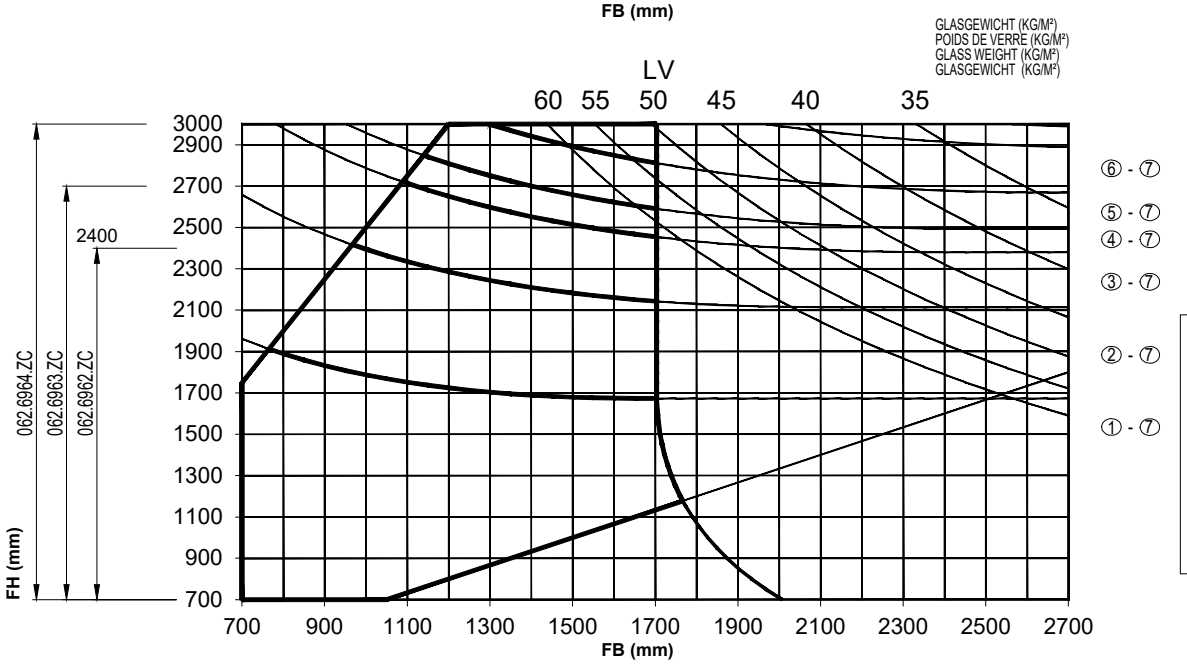
ENKEL VOOR BT SLOT
UNIQUEMENT POUR SERRURE BT
ONLY FOR BT LOCK
NUR FUER BT SCHLOESSER



f max.= H / 150
max. 12mm



f max.= H / 200
max. 12mm



f max.= H / 300
max. 12mm

P = 800Pa
FG max = 250kg

P = WINDDRUK
P = PRESSION DU VENT
P = WINDDRUCK
P = WIND PRESSURE

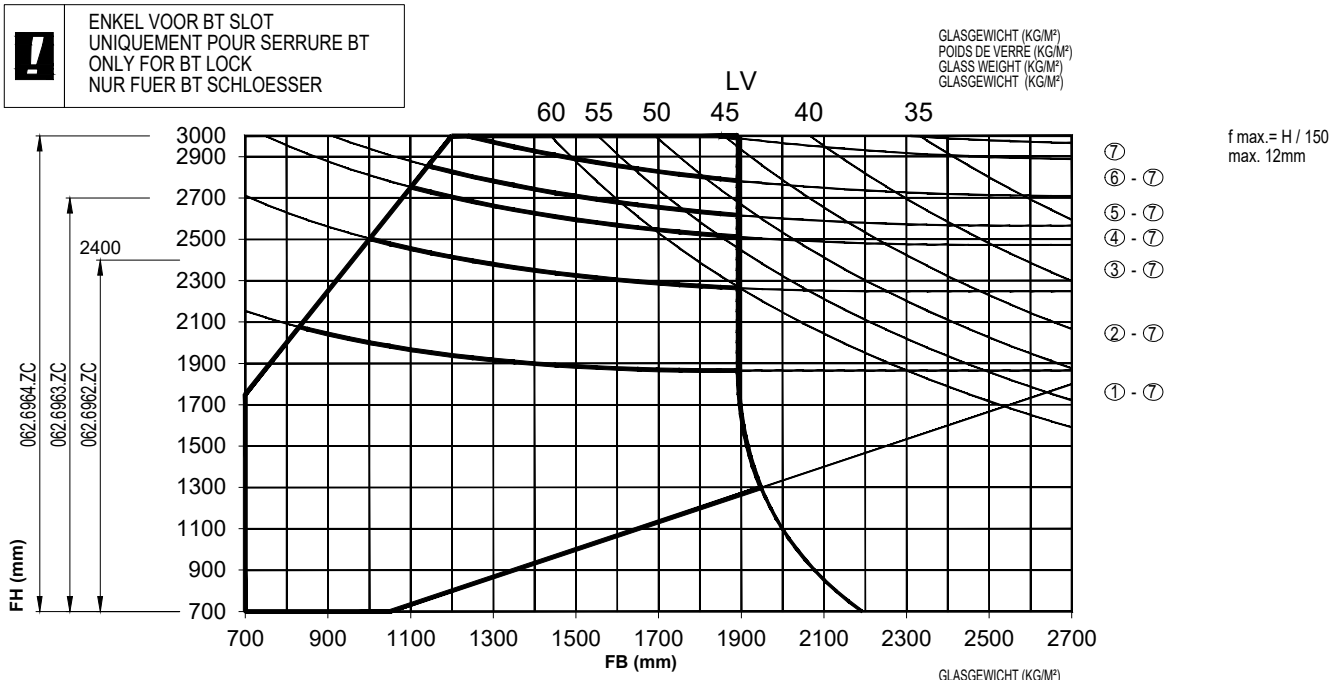
FG = VLEUGELGEWICHT
FG = POIDS DU VAINTAIL
FG = FLÜGELGEWICHT
FG = WEIGHT OF THE VENT

f = DOORBUIGING
f = FLEXION
f = DURCHBIEGUNG
f = DEFLECTION

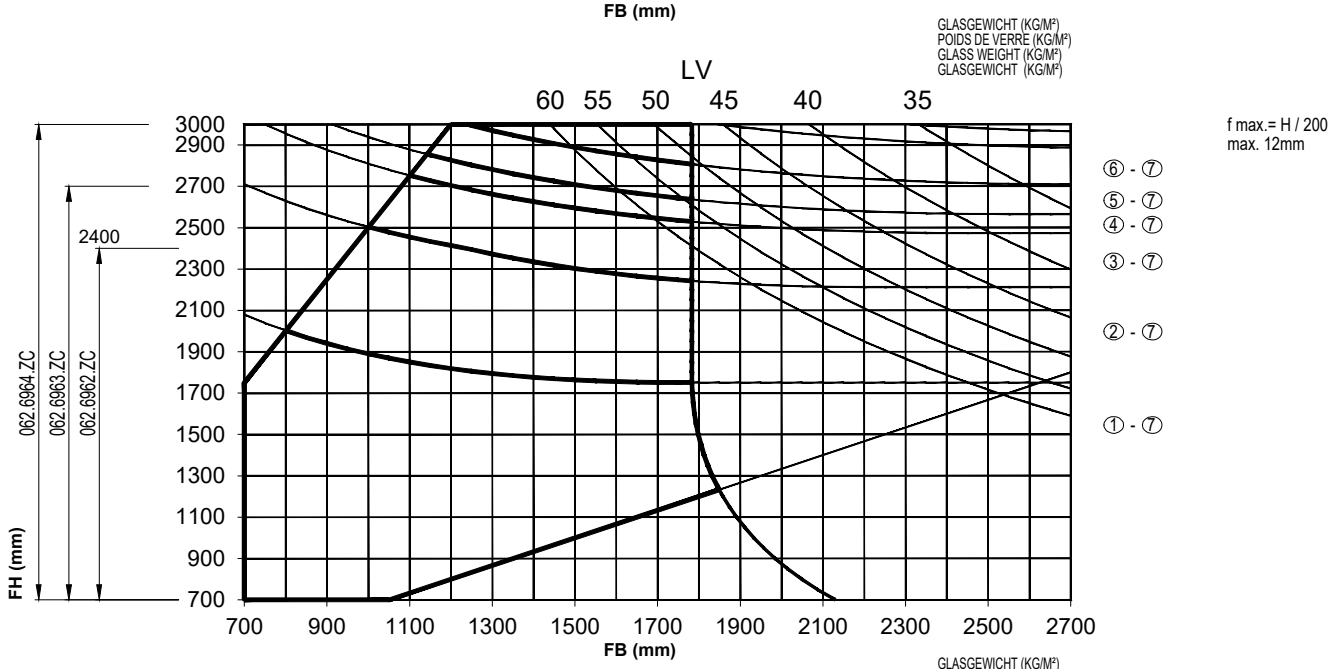
schaal - échelle
scale - Maßstab
1/2

F

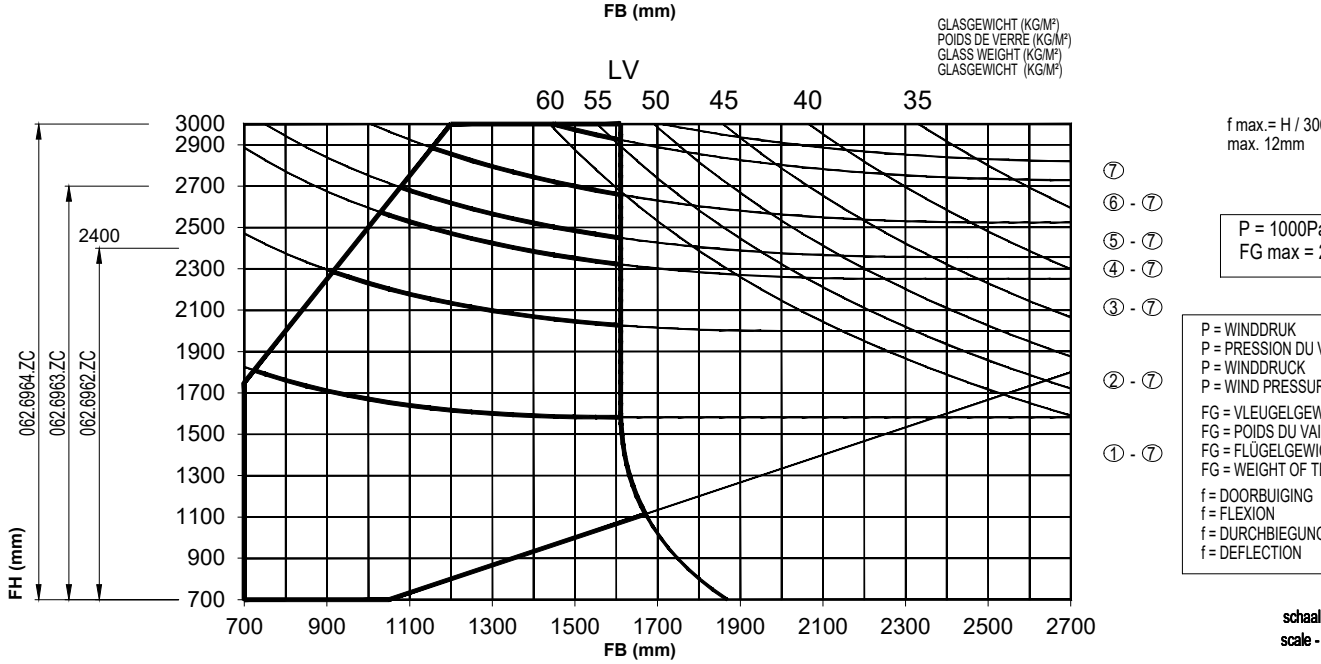
ENKEL VOOR BT SLOT
UNIQUEMENT POUR SERRURE BT
ONLY FOR BT LOCK
NUR FUER BT SCHLOESSER



f max.= H / 150
max. 12mm



f max.= H / 200
max. 12mm



f max.= H / 300
max. 12mm

P = 1000Pa
FG max = 250kg

P = WINDDRUK
P = PRESSION DU VENT
P = WINDDRUCK
P = WIND PRESSURE

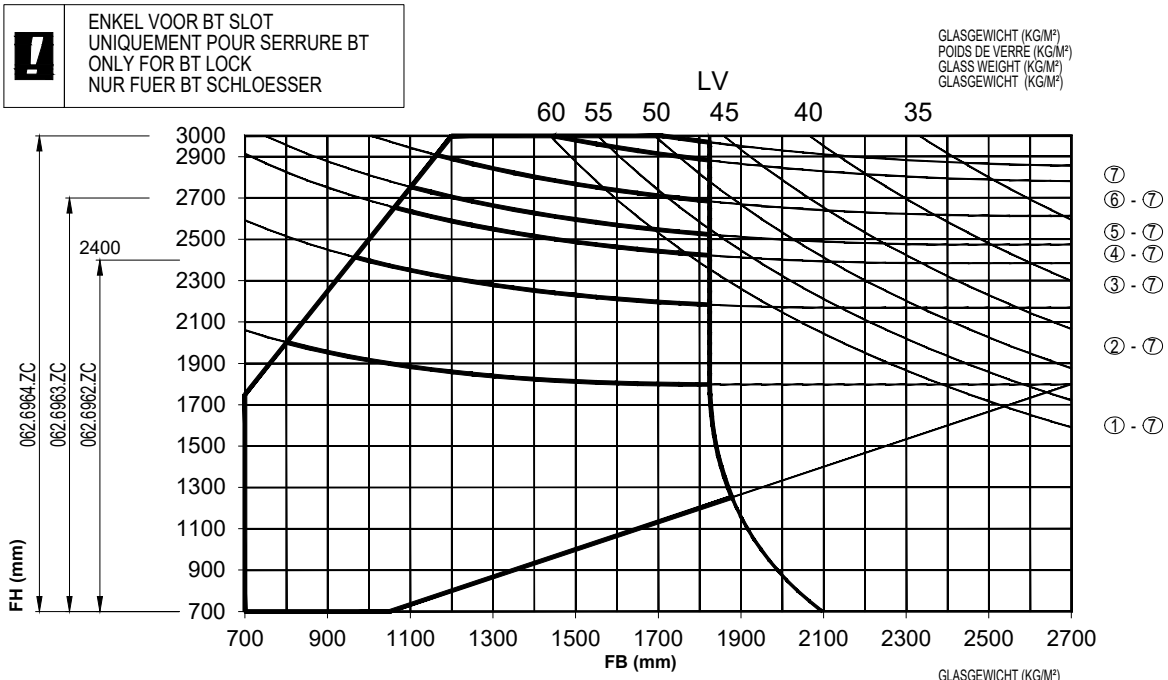
FG = VLEUGELGEWICHT
FG = POIDS DU VAINTAIL
FG = FLÜGELGEWICHT
FG = WEIGHT OF THE VENT

f = DOORBUIGING
f = FLEXION
f = DURCHBIEGUNG
f = DEFLECTION

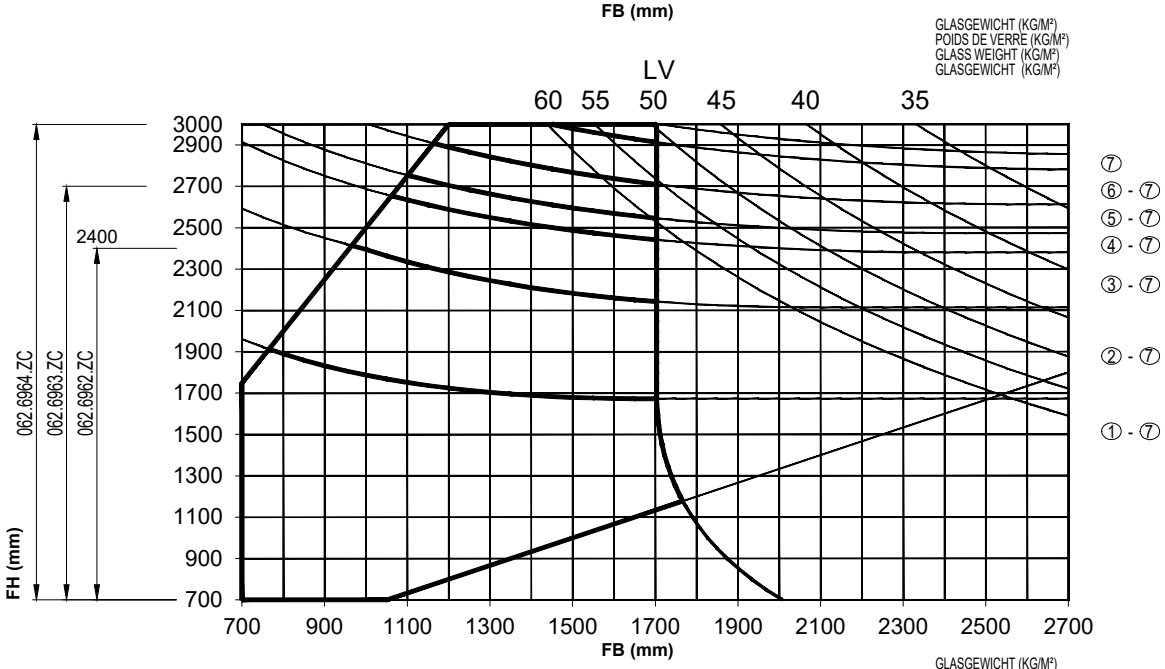
schaal - échelle
scale - Maßstab
1/2

F

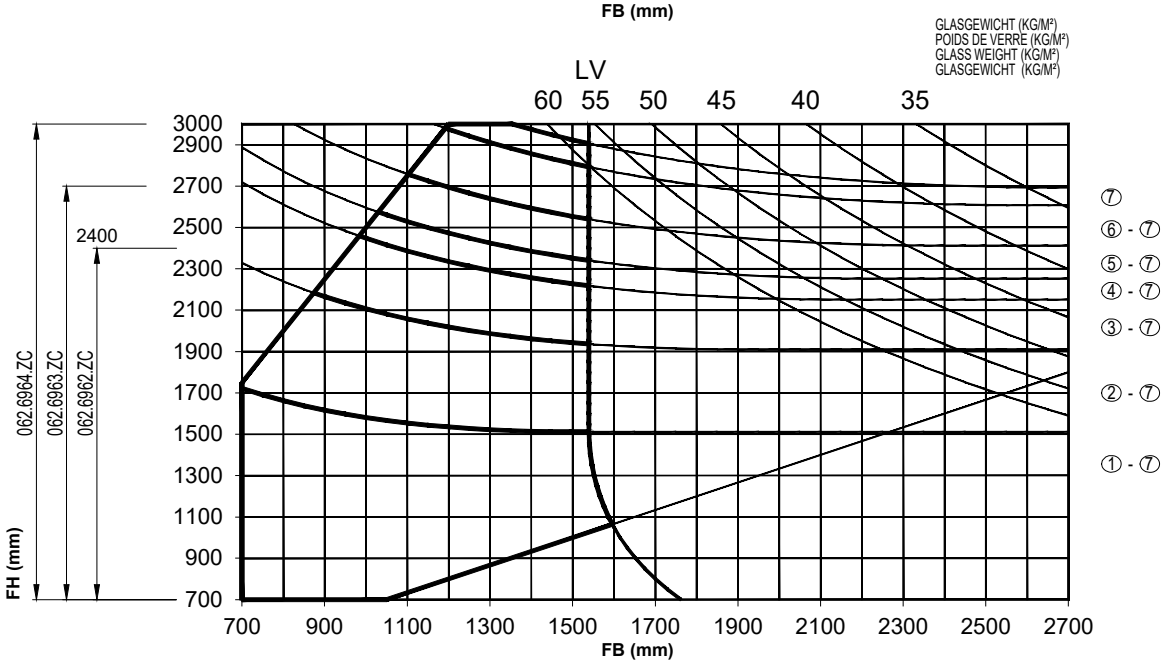
ENKEL VOOR BT SLOT
UNIQUEMENT POUR SERRURE BT
ONLY FOR BT LOCK
NUR FUER BT SCHLOESSER



f max.= H / 150
max. 12mm



f max.= H / 200
max. 12mm



f max.= H / 300
max. 12mm

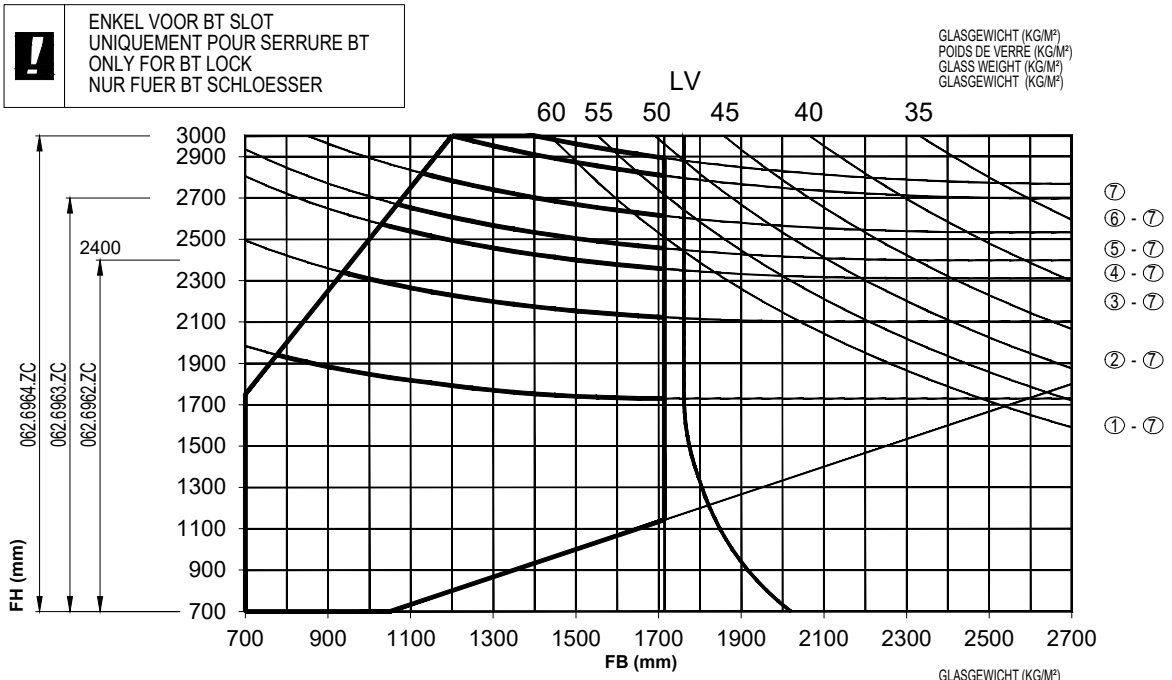
P = 1200Pa
FG max = 250kg

P = WINDDRUK
P = PRESSION DU VENT
P = WINDDRUCK
P = WIND PRESSURE
FG = VLEUGELGEWICHT
FG = POIDS DU VAINTAIL
FG = FLÜGELGEWICHT
FG = WEIGHT OF THE VENT
f = DOORBUIGING
f = FLEXION
f = DURCHBIEGUNG
f = DEFLECTION

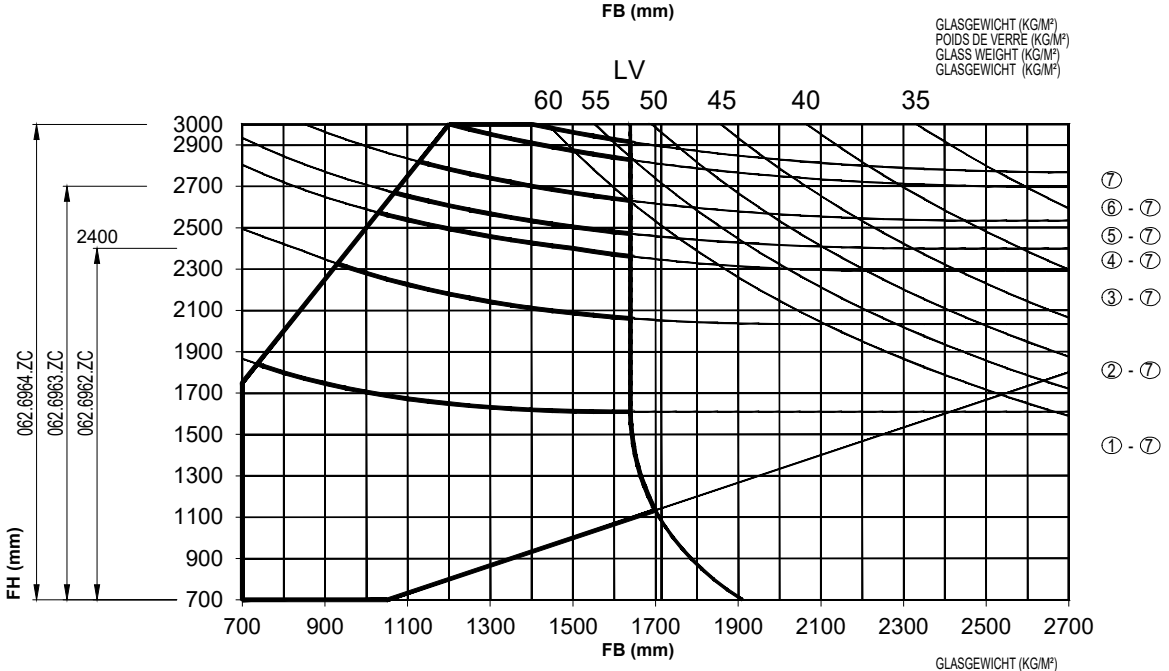
schaal - échelle
scale - Maßstab
1/1

F

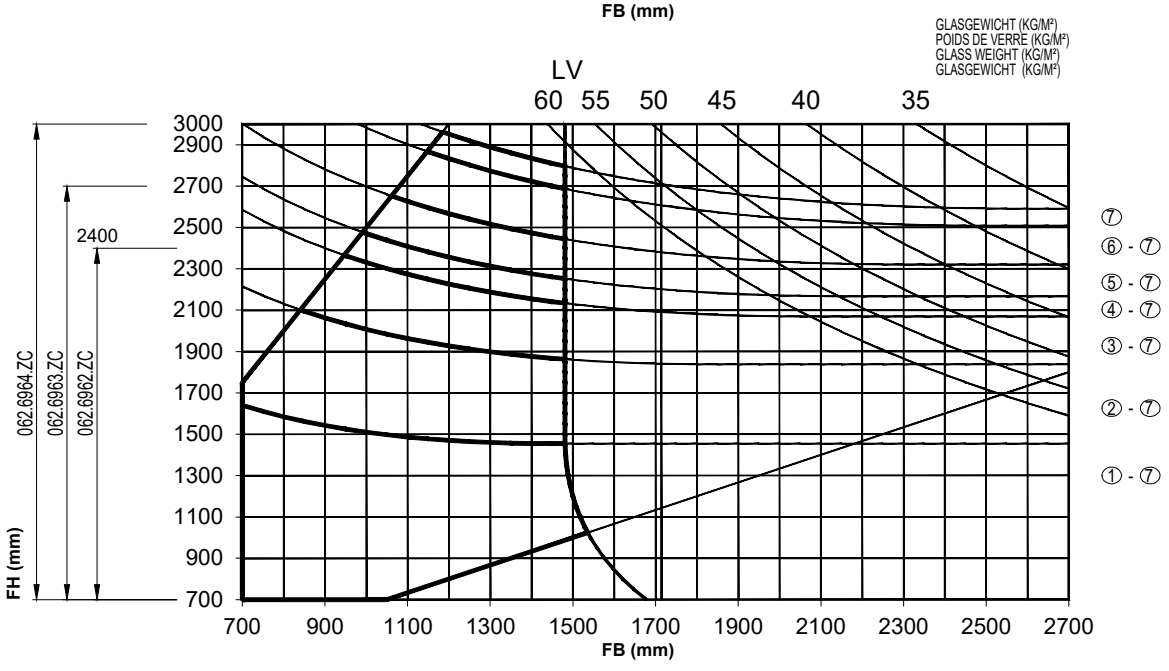
ENKEL VOOR BT SLOT
UNIQUEMENT POUR SERRURE BT
ONLY FOR BT LOCK
NUR FUER BT SCHLOESSER



f max.= H / 150
max. 12mm



f max.= H / 200
max. 12mm



f max.= H / 300
max. 12mm

P = 1400Pa
FG max = 250kg

P = WINDDRUK
P = PRESSION DU VENT
P = WINDDRUCK
P = WIND PRESSURE

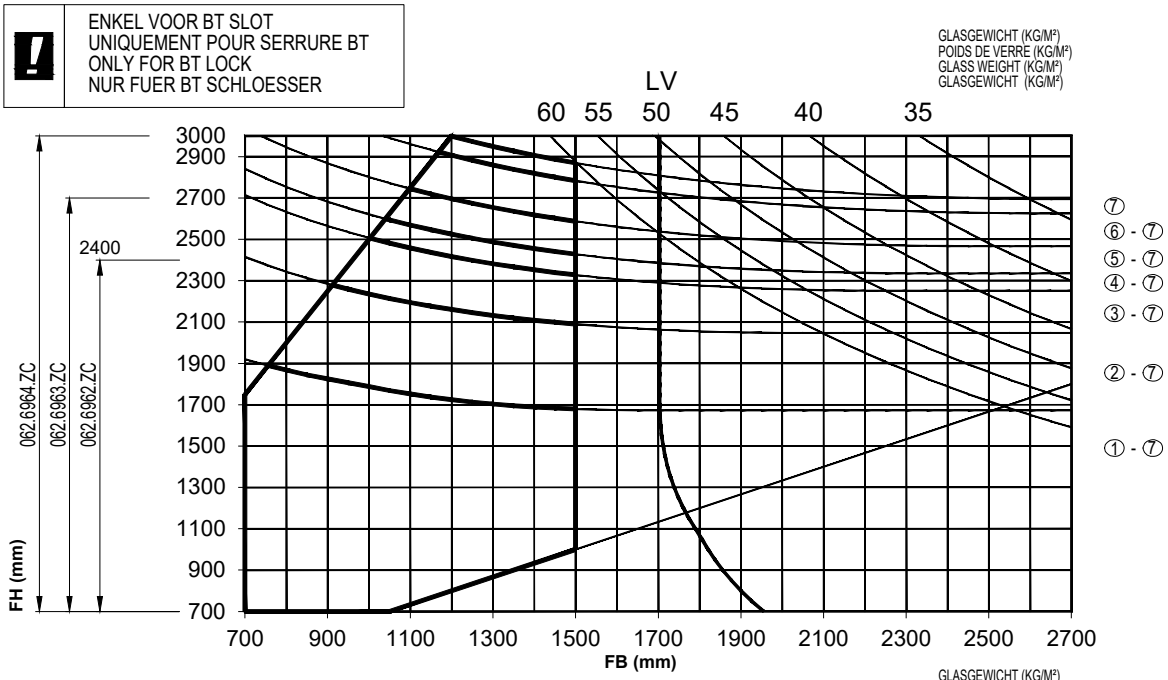
FG = VLEUGELGEWICHT
FG = POIDS DU VAINTAIL
FG = FLÜGELGEWICHT
FG = WEIGHT OF THE VENT

f = DOORBUIGING
f = FLEXION
f = DURCHBIEGUNG
f = DEFLECTION

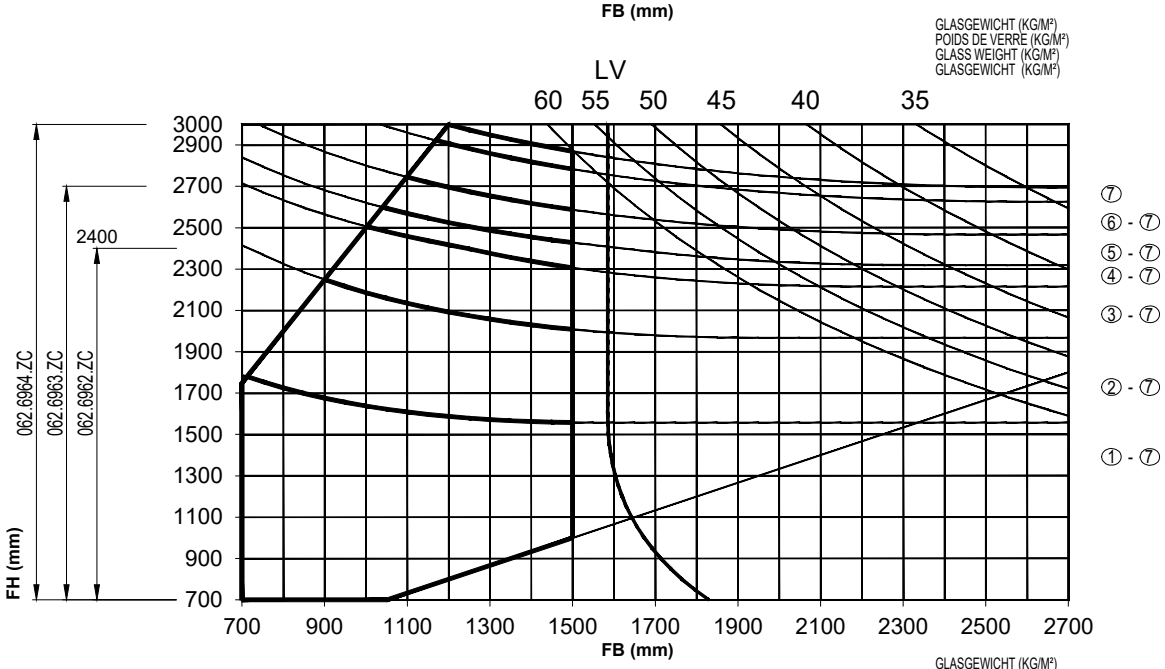
schaal - échelle
scale - Maßstab
1/1

F

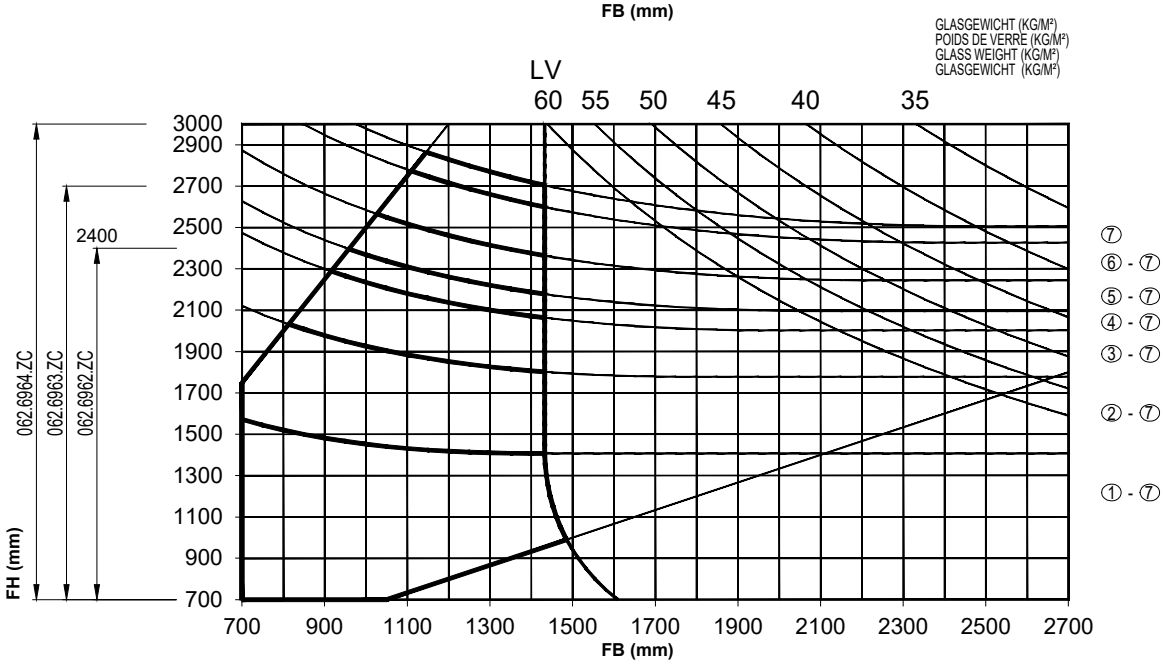
ENKEL VOOR BT SLOT
UNIQUEMENT POUR SERRURE BT
ONLY FOR BT LOCK
NUR FUER BT SCHLOESSER



f max.= H / 150
max. 12mm



f max.= H / 200
max. 12mm



f max.= H / 300
max. 12mm

P = 1600Pa
FG max = 250kg

P = WINDDRUK
P = PRESSION DU VENT
P = WINDDRUCK
P = WIND PRESSURE

FG = VLEUGELGEWICHT
FG = POIDS DU VAINTAIL
FG = FLÜGELGEWICHT
FG = WEIGHT OF THE VENT

f = DOORBUIGING
f = FLEXION
f = DURCHBIEGUNG
f = DEFLECTION

schaal - échelle
scale - Maßstab
1/1

F

1 MAAK ONTWATERINGSGATEN IN HET BODEMPROFIEL
013.6321.XX/013.6325.XX/013.6314.XX/013.6323.XX
013.6324.XX
FAIRE DES TROUS DRAINAGE DANS LE PROFILE EN BAS
013.6321.XX/013.6325.XX/013.6314.XX/013.6323.XX
013.6324.XX
MAKE DRAINAGE HOLES IN THE BOTTOM PROFILE
013.6321.XX/013.6325.XX/013.6314.XX/013.6323.XX
013.6324.XX
MACHEN SIE DIE ENTWAESSERUNG LOCHER IN DIE UNTEN PROFIL
013.6321.XX/013.6325.XX/013.6314.XX/013.6323.XX
013.6324.XX

2 MAAK ONTWATERINGSGATEN IN PVC PROFIEL 013.5330.SY
FAIRE DES TROUS DRAINAGE DANS LE PROFILE PVC 013.5330.SY
MAKE DRAINAGE HOLES IN THE PVC PROFILE 013.5330.SY
MACHEN SIE DIE ENTWAESSERUNG LOCHER IN DIE PVC PROFIL
013.5330.SY

3 MAAK ONTWATERINGSGATEN IN TPE 013.6835.SY
FAIRE DES TROUS DRAINAGE DANS LE PROFILE TPE 013.6835.SY
MAKE DRAINAGE HOLES IN THE TPE PROFILE 013.6835.SY
MACHEN SIE DIE ENTWAESSERUNG LOCHER IN DIE TPE PROFIL
013.6835.SY

3.1 MAAK GATEN VOOR KOPPELSTUKKEN HOEK
FAIRE DES TROUS POUR DES PIECES DE RACCORDEMENT COIN
MAKE HOLES FOR CONNECTION PIECES CORNER
MACHEN SIE DIE LOCHER FUR OPPLUNGSSTUECKE WINKEL

4 PLAATS 022.5584.01 EN BORSTEL 022.5550.04 IN HET BODEMPROFIEL
MONTER 022.5584.01 ET BROSSE 022.5550.04 DANS LE PROFILE EN BAS
PLACE 022.5584.01 AND BRUSH 022.5550.04 IN THE BOTTOM PROFILE
MONTIEREN SIE 022.5584.01 UND BURSTE 022.5550.04 IN DIE UNTEN
PROFIL

5 PLAATS PVC 013.5330.SY EN TPE 013.6835.SY IN HET BODEMPROFIEL
MONTER PVC 013.5330.SY ET TPE 013.6835.SY DANS LE PROFILE EN BAS
PLACE PVC 013.5330.SY AND TPE 013.6835.SY IN THE BOTTOM PROFILE
MONTIEREN SIE PVC 013.5330.SY UND TPE 013.6835.SY IN DIE UNTEN
PROFIL

6 PLAATS PVC 013.5332.SY IN HET BOVENPROFIEL
MONTER PVC 013.5332.SY DANS LE PROFILE SUPERIEUR
PLACE PVC 013.5332.SY IN THE TOP PROFILE
MONTIEREN SIE PVC 013.5332.SY IN DIE OBEN PROFIL

7 MAAK DE UITFREZING IN DE ZIJPROFIELEN
013.6322.XX/013.6326.XX/013.6315.XX
013.6321.XX/013.6325.XX/013.6314.XX (BT SLOT)
FAIRE LE FRAISAGE DANS LES PROFILES SUR LE COTE
013.6322.XX/013.6326.XX/013.6315.XX
013.6321.XX/013.6325.XX/013.6314.XX (SERRURE BT)
MAKE THE MILLINGS IN THE SIDE PROFILES
013.6322.XX/013.6326.XX/013.6315.XX
013.6321.XX/013.6325.XX/013.6314.XX (BT LOCK)
MACHEN SIE DIE AUSFRAESUNG IN DIE SEITWARTSEN PROFILE
013.6322.XX/013.6326.XX/013.6315.XX
013.6321.XX/013.6325.XX/013.6314.XX (BT SCHLOESSER)

8 PLAATS VULBLOK 062.9321.04/062.9322.04/062.9323.04 IN HET
BODEMPROFIEL EN BRENG SILICONE AAN
MONTER PIECE DE REMPLISSAGE 062.9321.04/062.9322.04/062.9323.04
DANS LE PROFILE EN BAS ET APLLIQUER DES SILICONE
PLACE FILLING PIECE 062.9321.04/062.9322.04/062.9323.04 IN THE
BOTTOM PROFILE AND APPLY SILICONE
MONTIEREN SIE FUELLBLOCK 062.9321.04/062.9322.04/062.9323.04 IN
DIE UNTEN PROFIL UND ZUTREFFENSILIKON

9 PLAATS DE BORSTELS 081.9130/081.9115 IN DE FRAME PROFIELEN
MONTER LES BROSSES 081.9130/081.9115 DANS LES PROFILES DE
DORMANT
PLACE THE BRUSHES 081.9130/081.9115 IN THE FRAME PROFILES
MONTIEREN SIE DIE BURSTE 081.9130/081.9115 IN DIE BLENDRAHMEN
PROFILE

10 SNIJDT AFDICHTING BUITENKADER 080.9727.04/080.9728.04/080.9729.04
080.9734.04 EN PLAATS OP ONDER- EN BOVENPROFIEL
COUPE FERMETURE DORMANT 080.9727.04/080.9728.04/080.9729.04
080.9734.04 ET MONTER SUR LE PROFILE EN BAS ET EN HAUTE
CUT CLOSER OUTER FRAME 080.9727.04/080.9728.04/080.9729.04
080.9734.04 AND PLACE ON BOTTOM AND TOP PROFILE
SCHNEIDEN SIE ABDICHTUNG BLENDRAHMEN 080.9727.04/080.9728.04
080.9729.04/080.9734.04 UND MONTIEREN SIE DAS STUCKEN
AUF UNTER AND OBEN PROFILE

11 BRENG REYNAPROTECT AAN OP ALLE BEWERKTE OPPERVLAKKEN
APLLIQUER DE REYNAPROTECT SUR TOUT LES SURFACES TRAITE
APPLY REYNAPROTECT ON ALL PROCESED SURFACES
ZUTREFFEN REYNAPROTECT AUF ALLE ERARBEITET OBERFLACHEN

12 MONTEER HET FRAME
ASSEMBLER LE DORMANT
ASSEMBLE THE OUTER FRAME
MONTIEREN SIE DIE BLENDRAHMEN

13 PLAATS PVC 013.5330.SY IN DE ZIJPROFIELEN
MONTER PVC 013.5330.SY DANS LES PROFILES DE COTE
PLACE PVC 013.5330.SY IN THE SIDE PROFILES
MONTIEREN SIE PVC 013.5330.SY IN DIE SIETE PROFILE

14 PLAATS 069.5653.SY EN BRENG SILICONE AAN
MONTER 069.5653.SY ET APLLIQUER DE SILICONE
PLACE 069.5653.SY AND APLLY SILICONE
MONTIEREN SIE 069.5653.SY UND ZUTREFFEN SILIKON

15 PLAATS DE RAILS IN HET BODEMPROFIEL
MONTER LES RAILS DANS LE PROFILE EN BAS
PLACE THE RAILS IN THE BOTTOM PROFILE
MONTIEREN SIE DIE SCHIENEN IN DIE UNTEN PROFIL

16 PLAATS BOVENRAIL 062.7142.04 BOVENAAN FRAME
MONTER RAIL SUPERIEUR 062.7142.04 EN HAUT LE DORMANT
PLACE TOPRAIL 062.7142.04 ON TOP OF FRAME
MONTIEREN SIE OBERE SCHIENE 062.7142.04 OBEN AUF BLENDRAHMEN

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

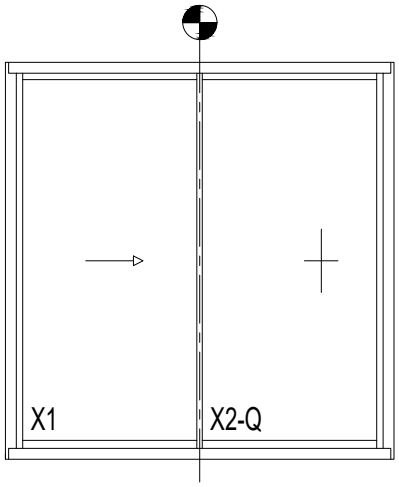
schaal - échelle
scale - Maßstab
1/2

F

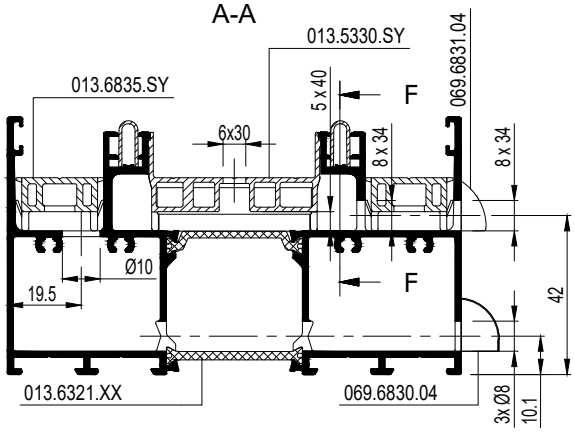
F

schaal - échelle
scale - Maßstab
1/2

1



A-A



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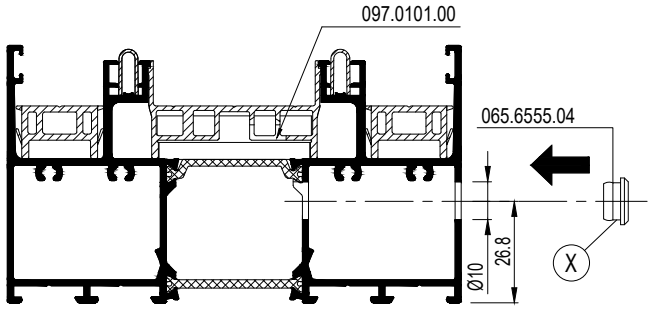

	SV/LV
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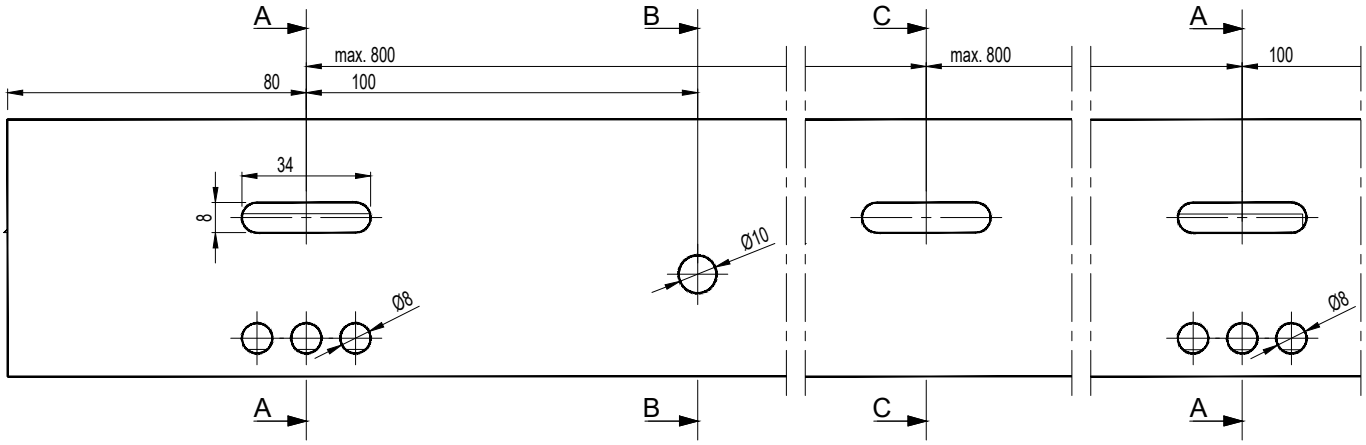
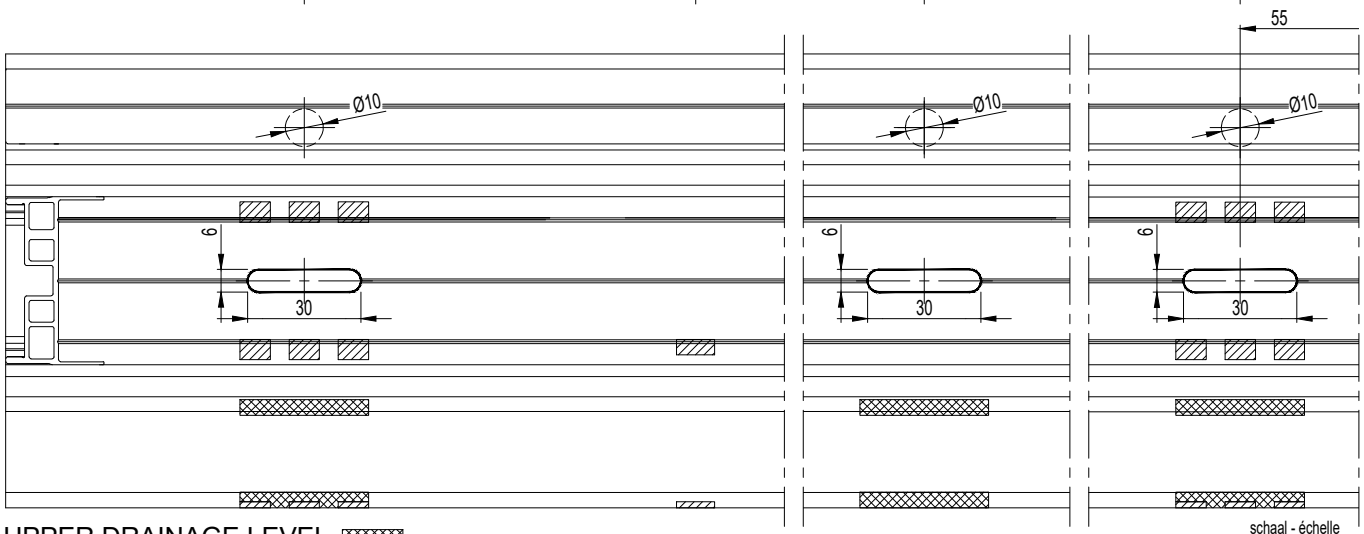
097.0101.00 097.0817.00 097.0814.00	





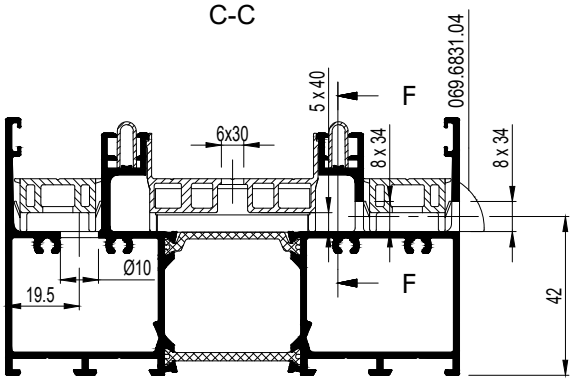
UPPER DRAINAGE LEVEL
LOWER DRAINAGE LEVEL

schaal - échelle
scale - Maßstab
1/2

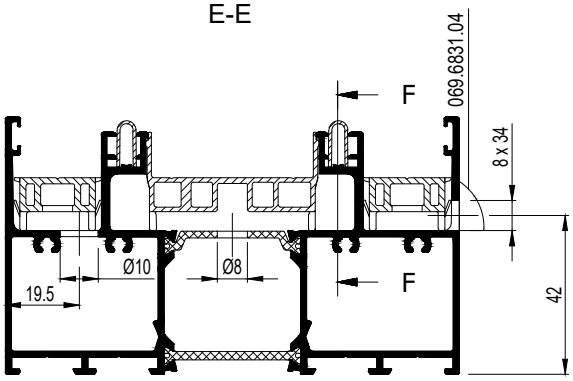
F

1

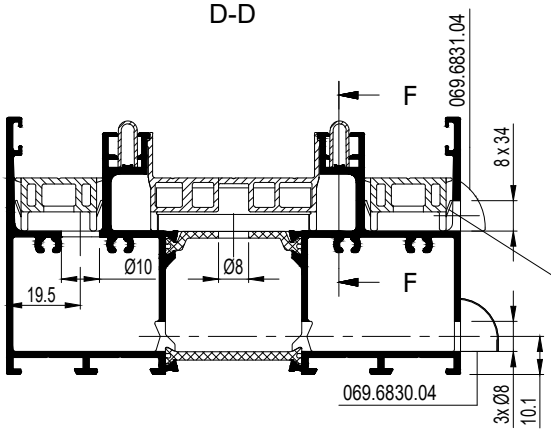
C-C



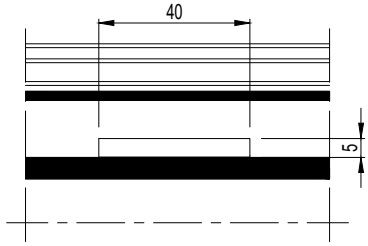
E-E



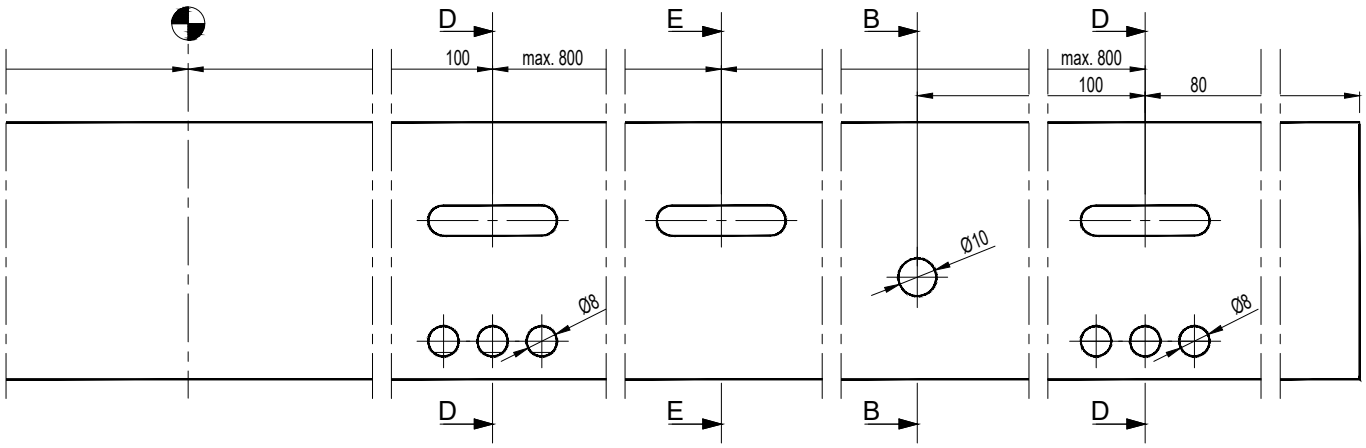
D-D

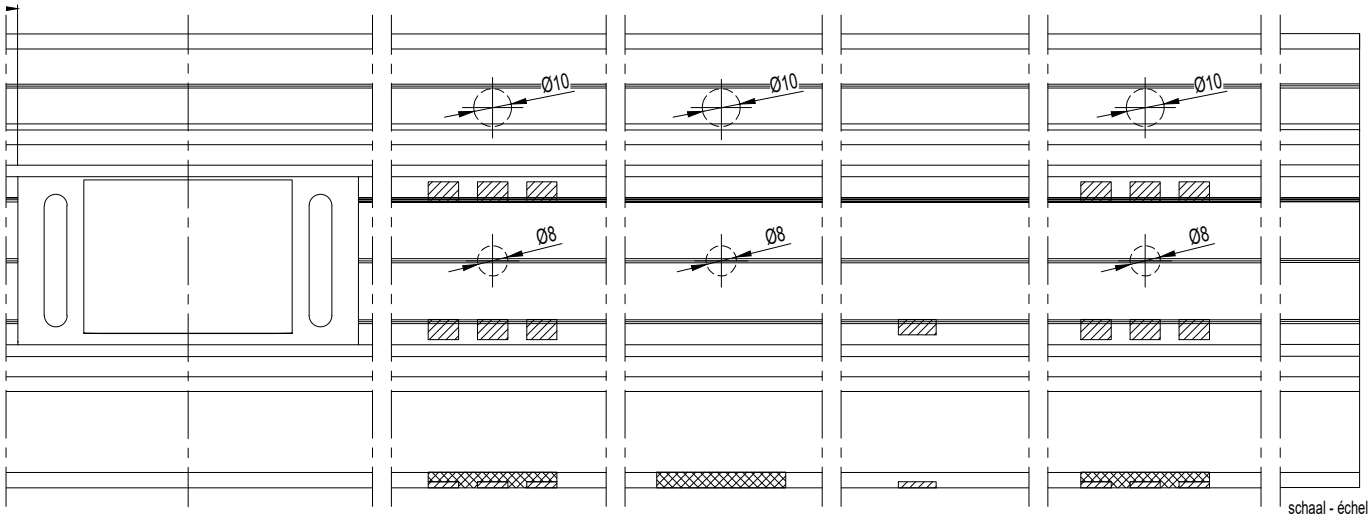


F-F



TPE 013.6835.SY NIET AAN BUITENZIJDE VOOR XQ
TPE 013.6835.SY NE PAS A L'EXTERIEUR A XQ
TPE 013.6835.SY NOT ON THE OUTSIDE FOR XQ
TPE 013.6835.SY NICHT VON AUBEN FUR XQ





schaal - échelle
scale - Maßstab
1/2

F

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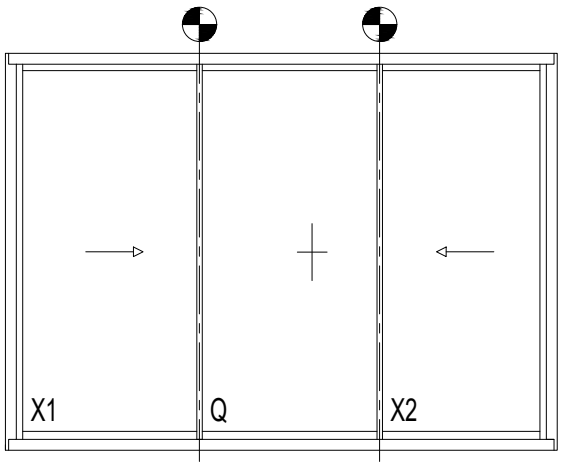

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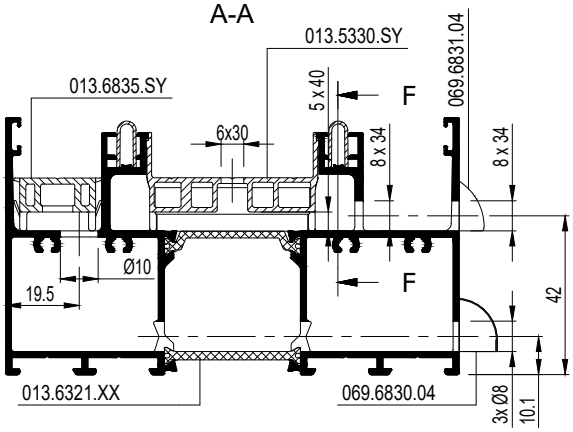

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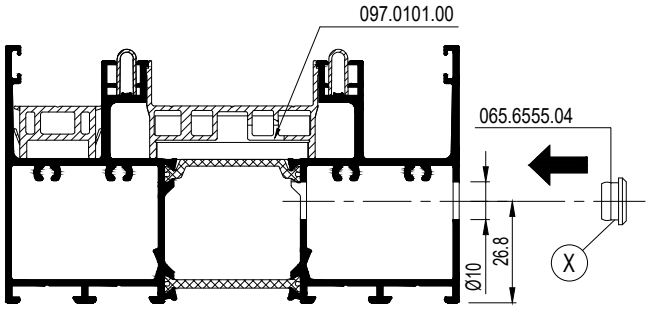

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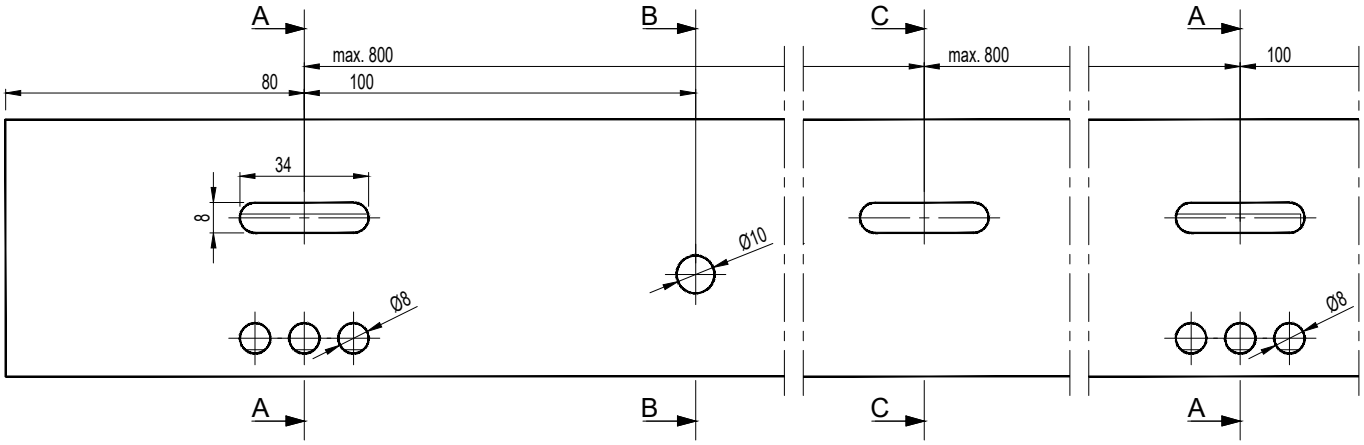
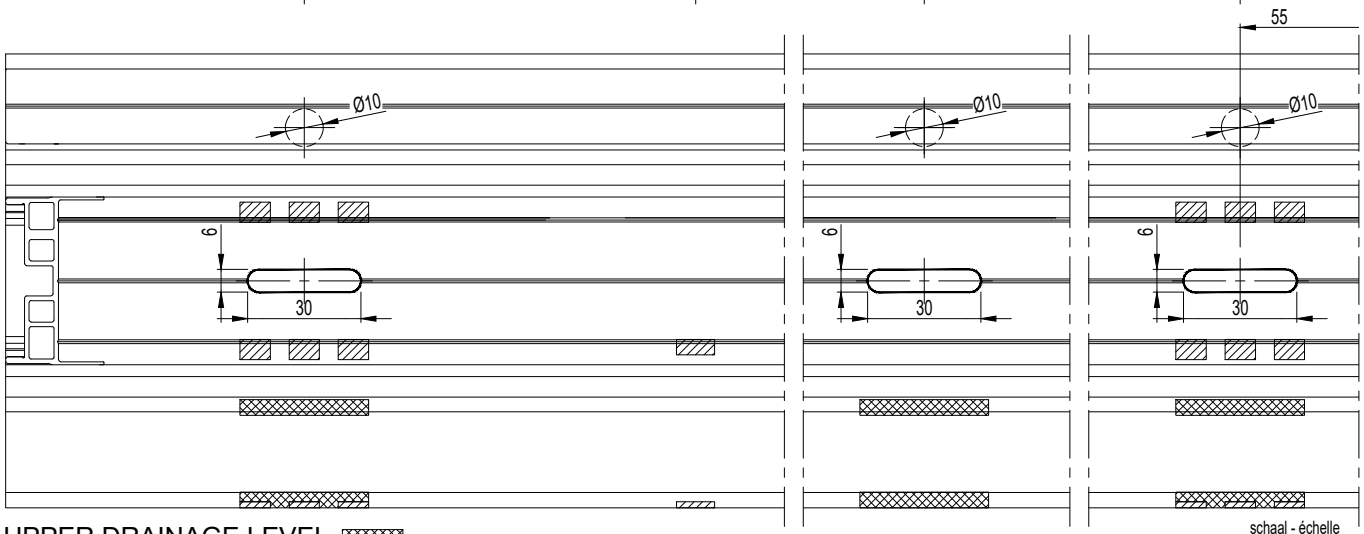


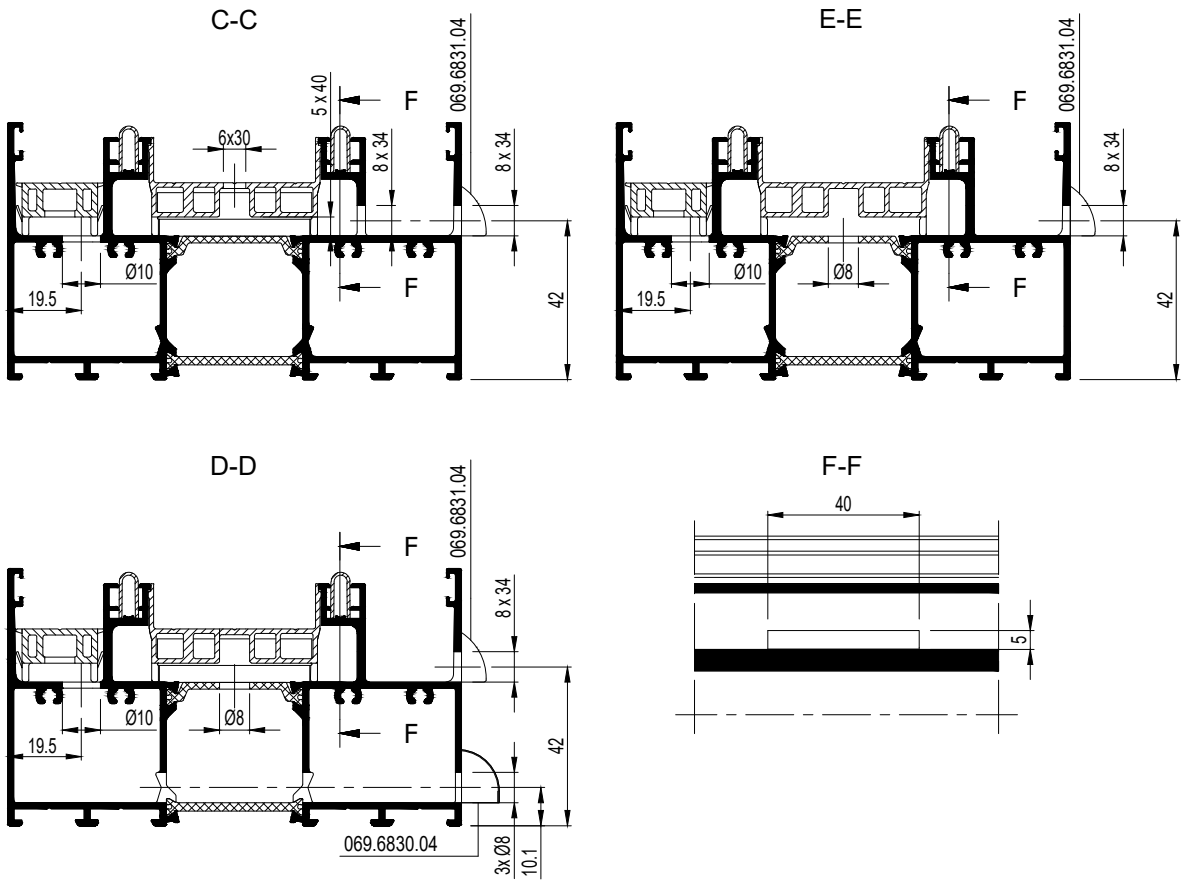


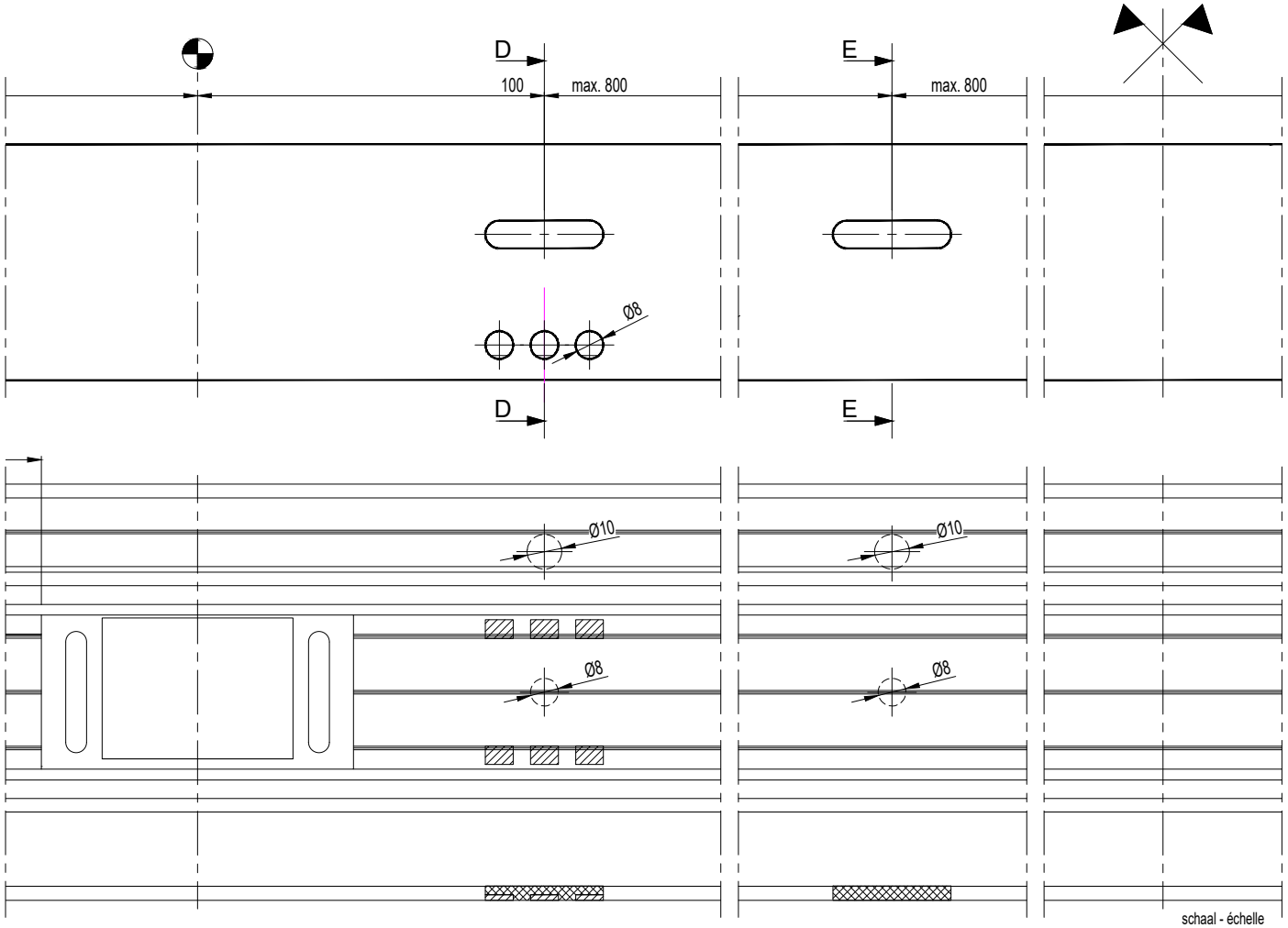
UPPER DRAINAGE LEVEL
LOWER DRAINAGE LEVEL

schaal - échelle
scale - Maßstab
1/2

F

1

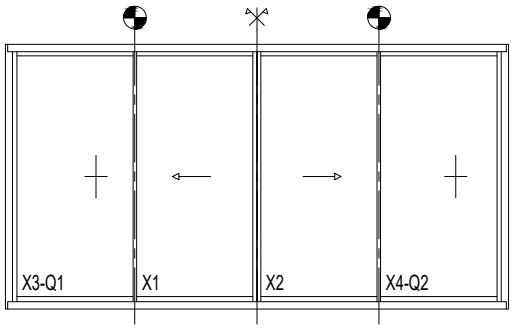




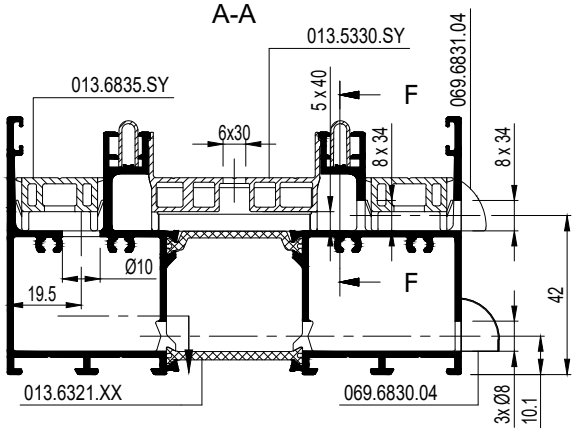
schaal - échelle
scale - Maßstab
1/2

F

1



A-A



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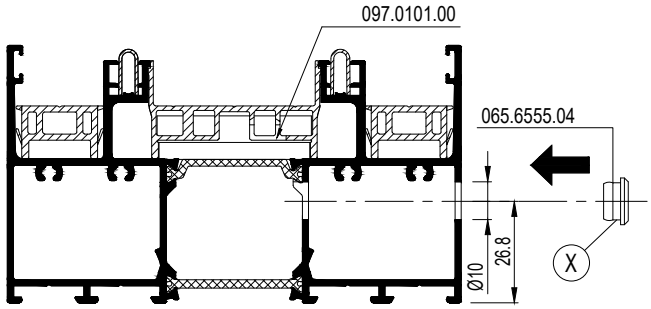

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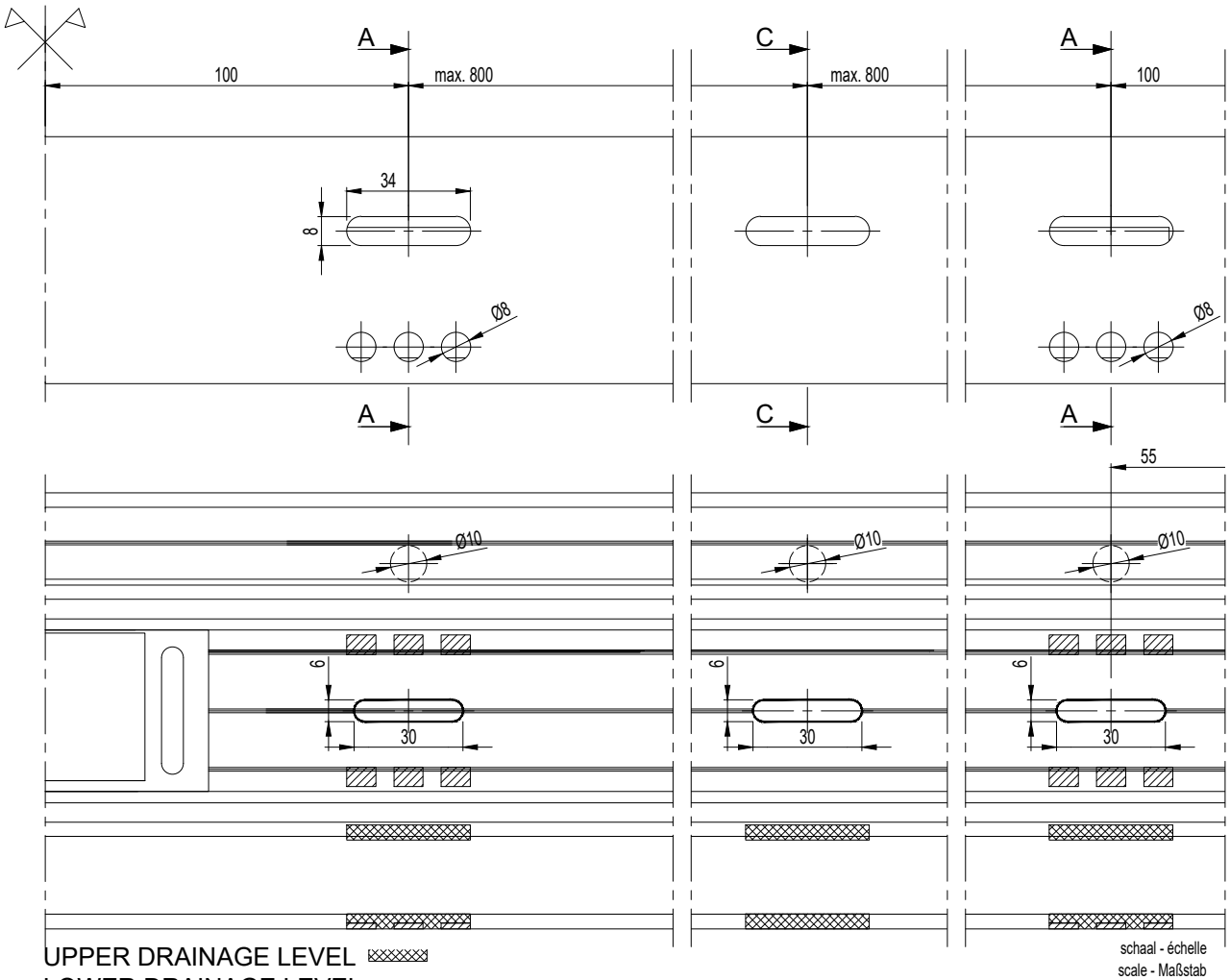


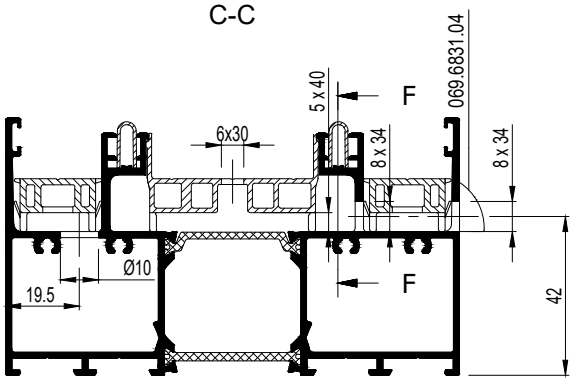
UPPER DRAINAGE LEVEL
LOWER DRAINAGE LEVEL

schaal - échelle
scale - Maßstab
1/2

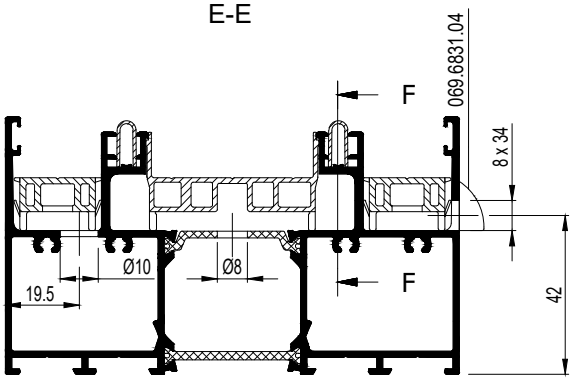
F

1

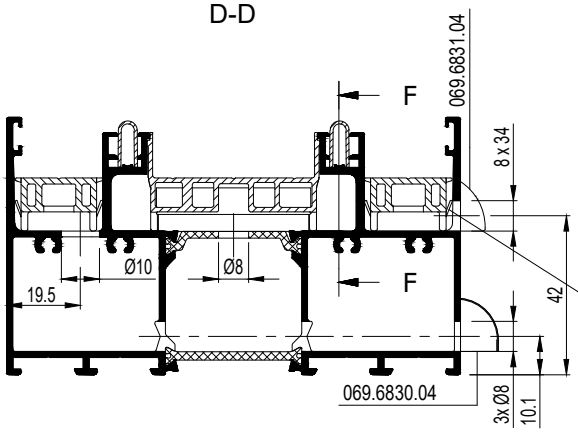
C-C



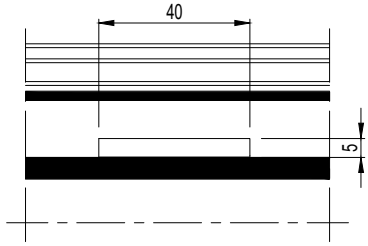
E-E



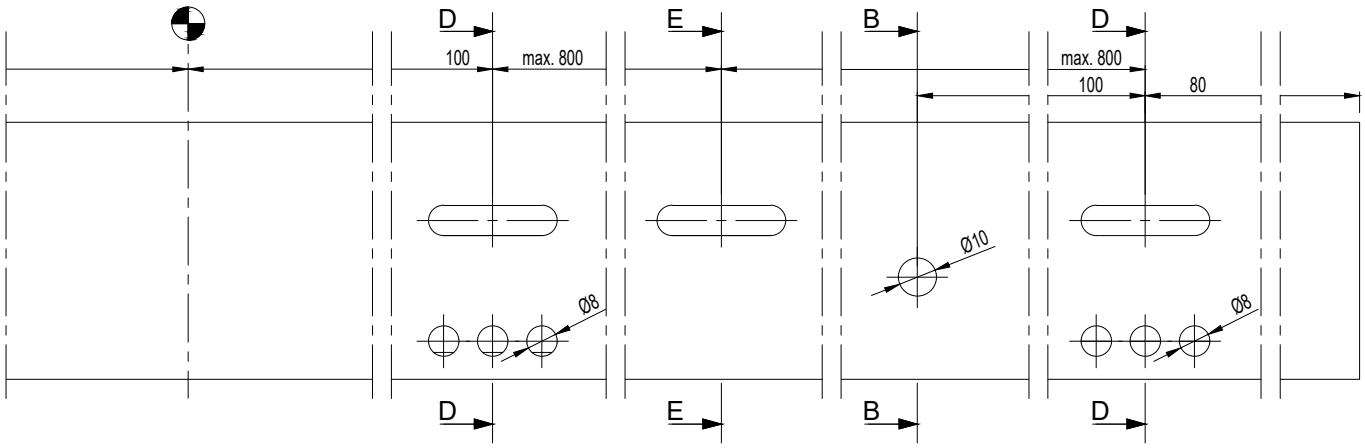
D-D

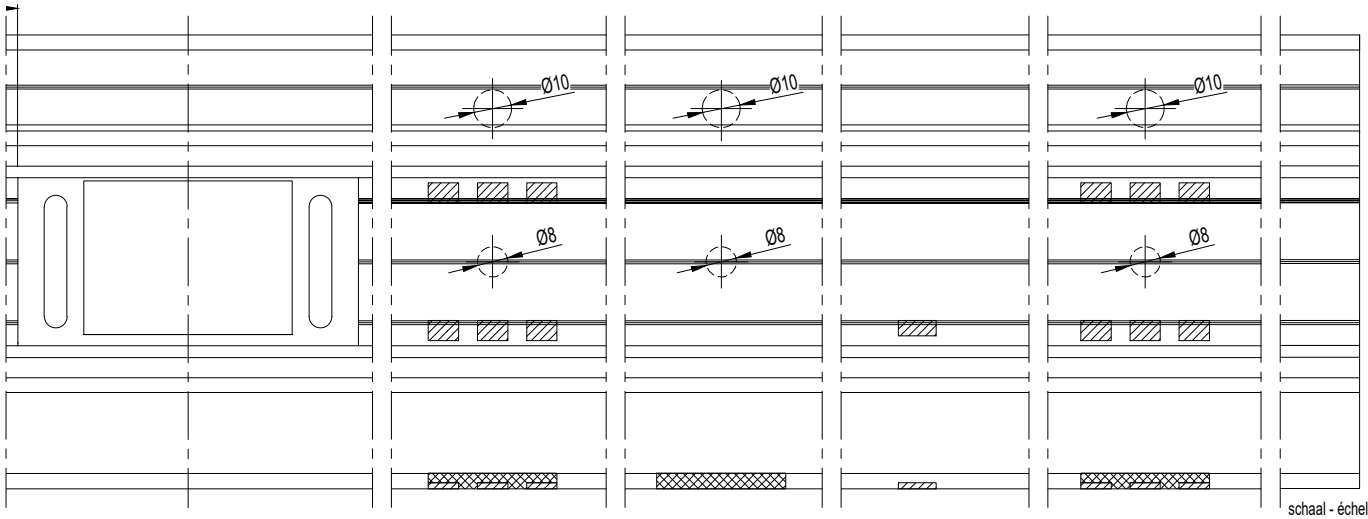


F-F



TPE 013.6835.SY NIET AAN BUITENZIJDE VOOR QXXQ
TPE 013.6835.SY NE PAS A L'EXTERIEUR A QXXQ
TPE 013.6835.SY NOT ON THE OUTSIDE FOR QXXQ
TPE 013.6835.SY NICHT VON AUBEN FUR QXXQ

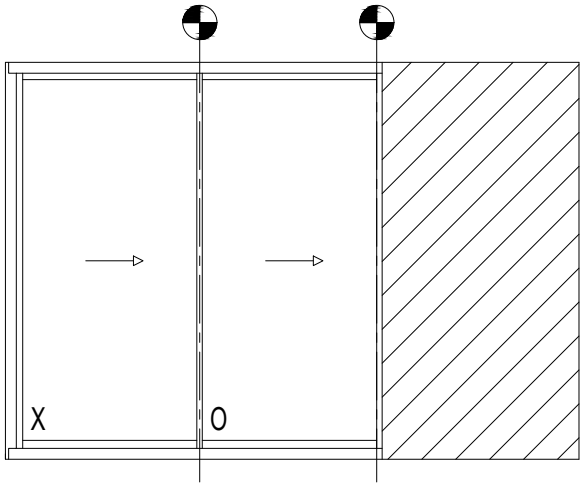




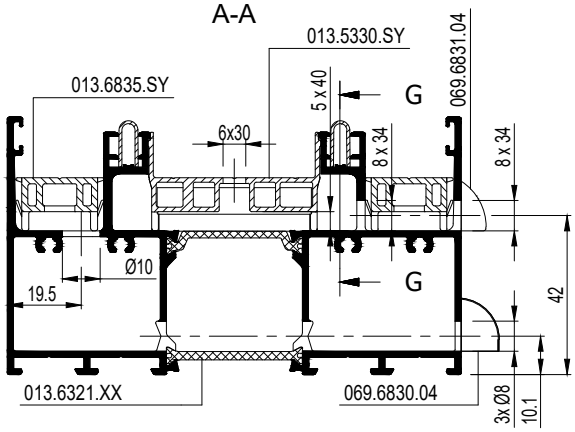
schaal - échelle
scale - Maßstab
1/2

F

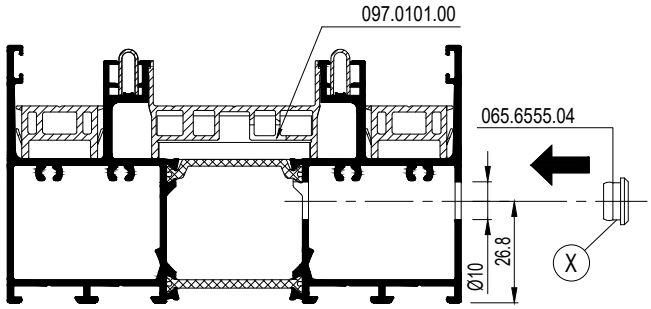
1



A-A



B-B



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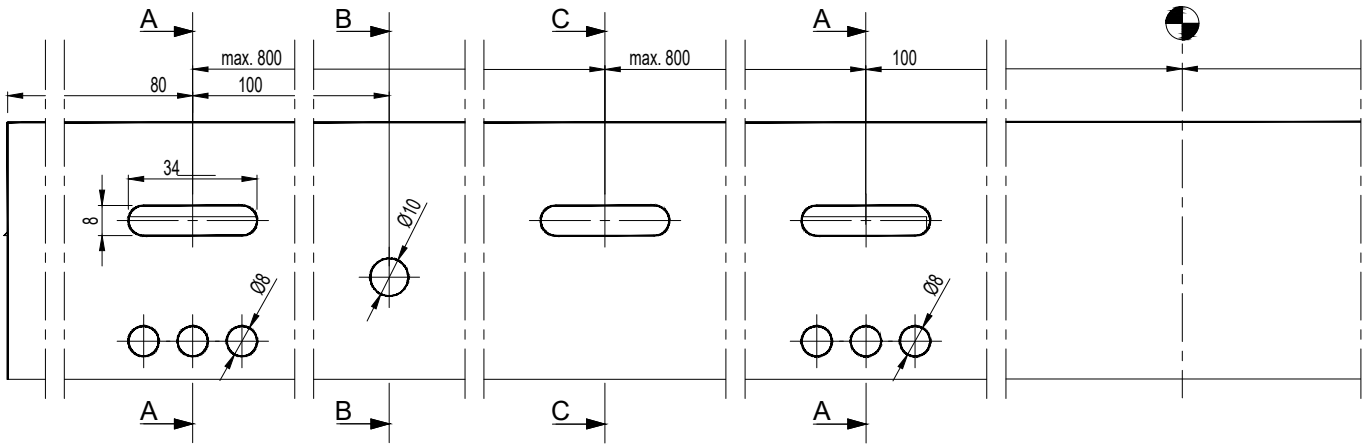
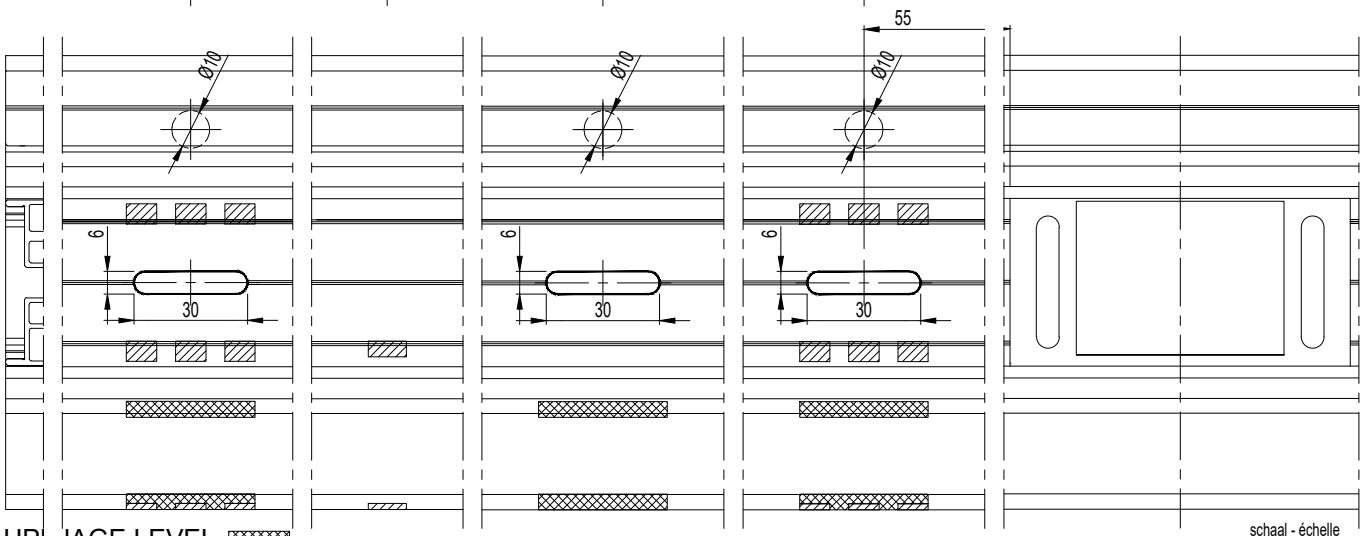


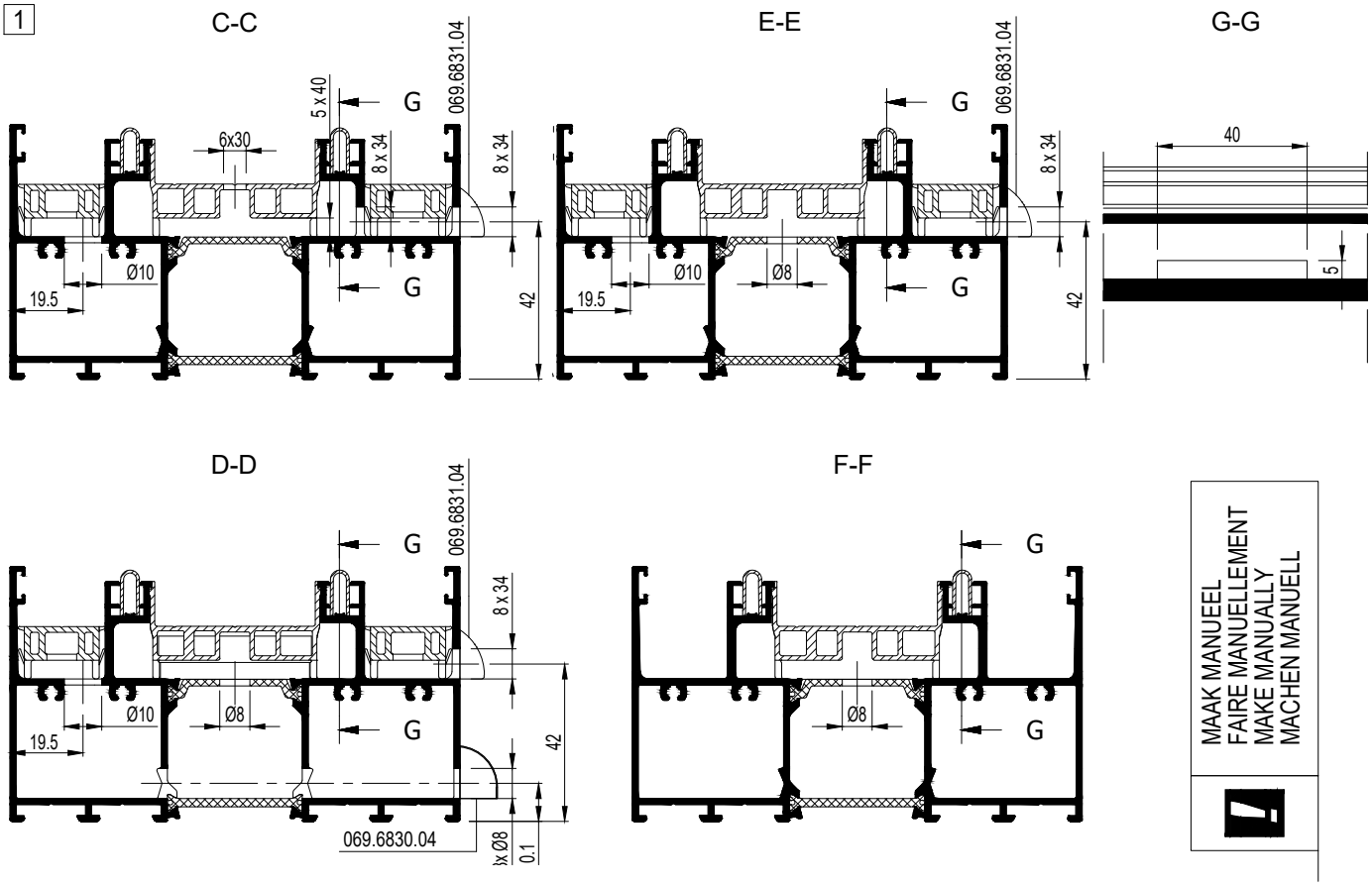


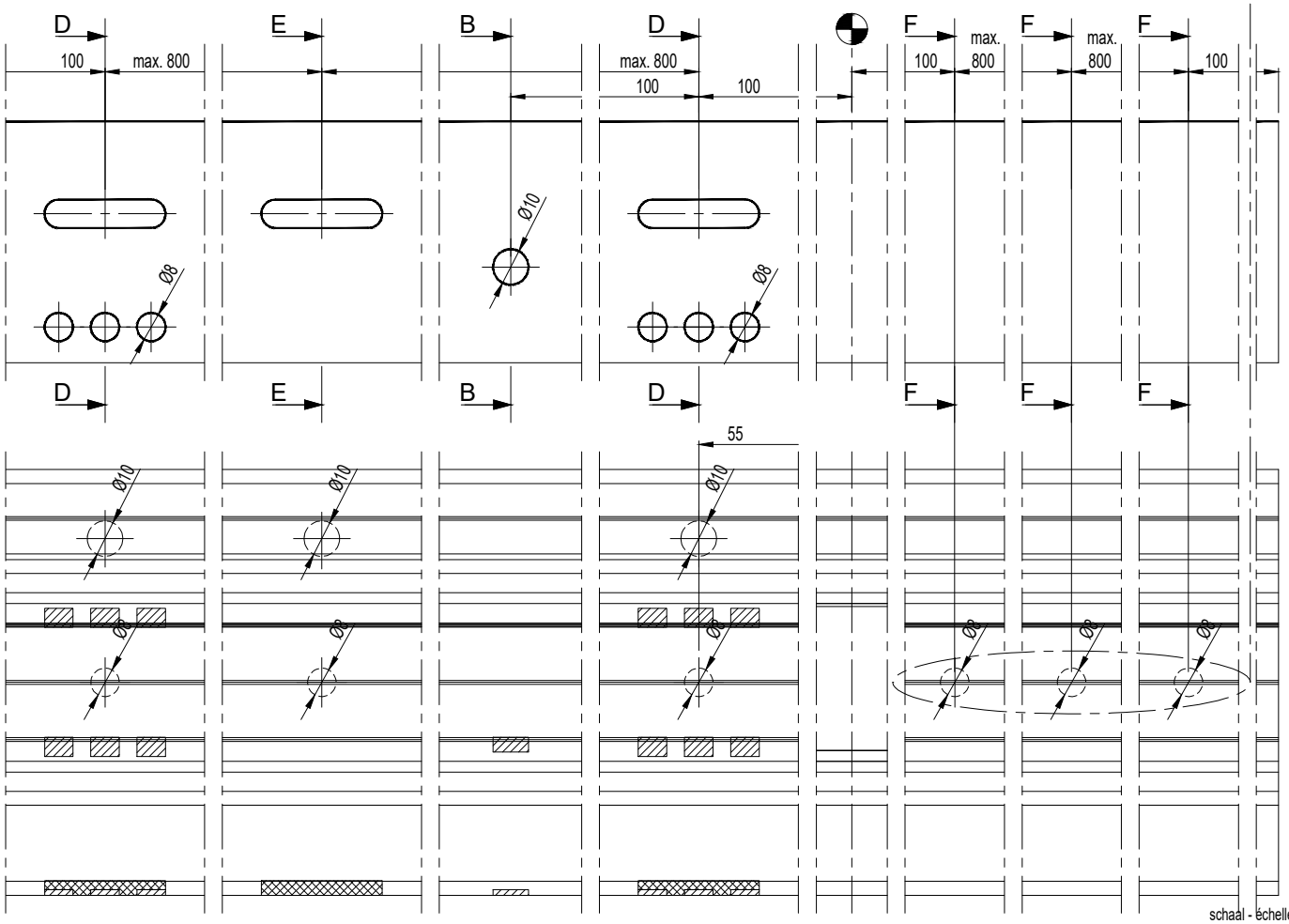
UPPER DRAINAGE LEVEL
LOWER DRAINAGE LEVEL

schaal - échelle
scale - Maßstab
1/2

F

1





schaal - échelle
scale - Maßstab
1/2

F

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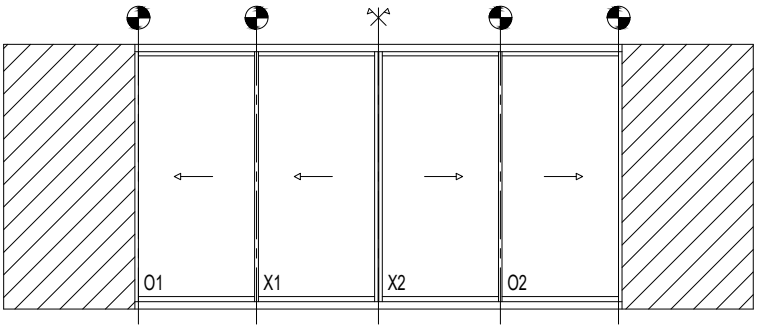
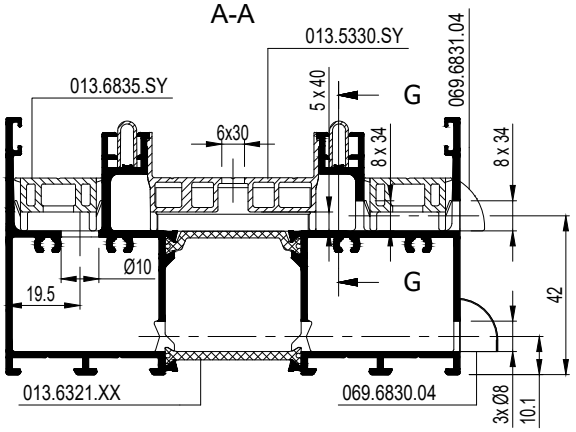
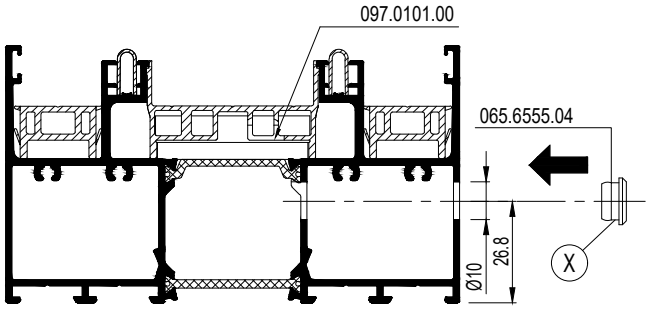


A-A



B-B



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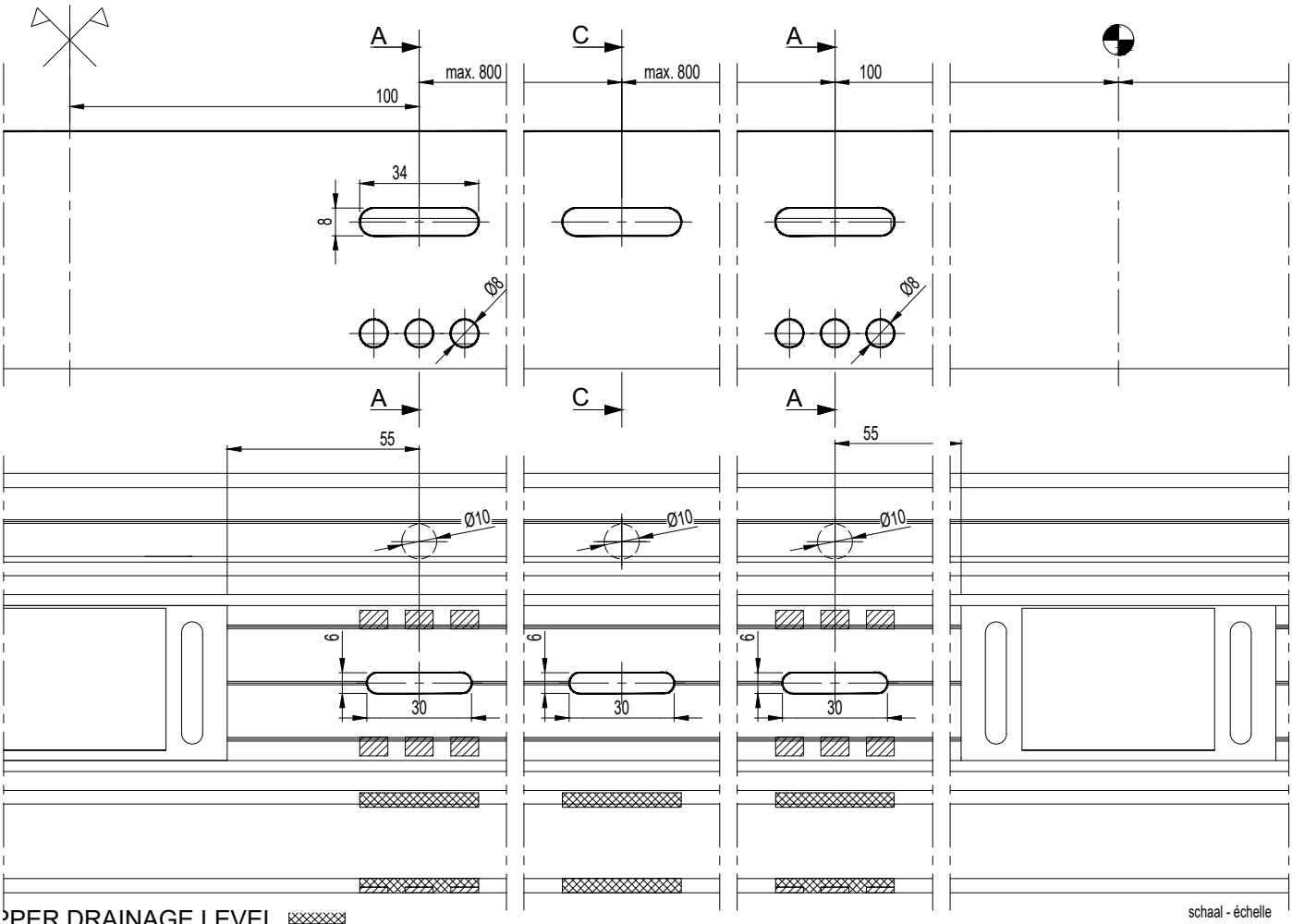
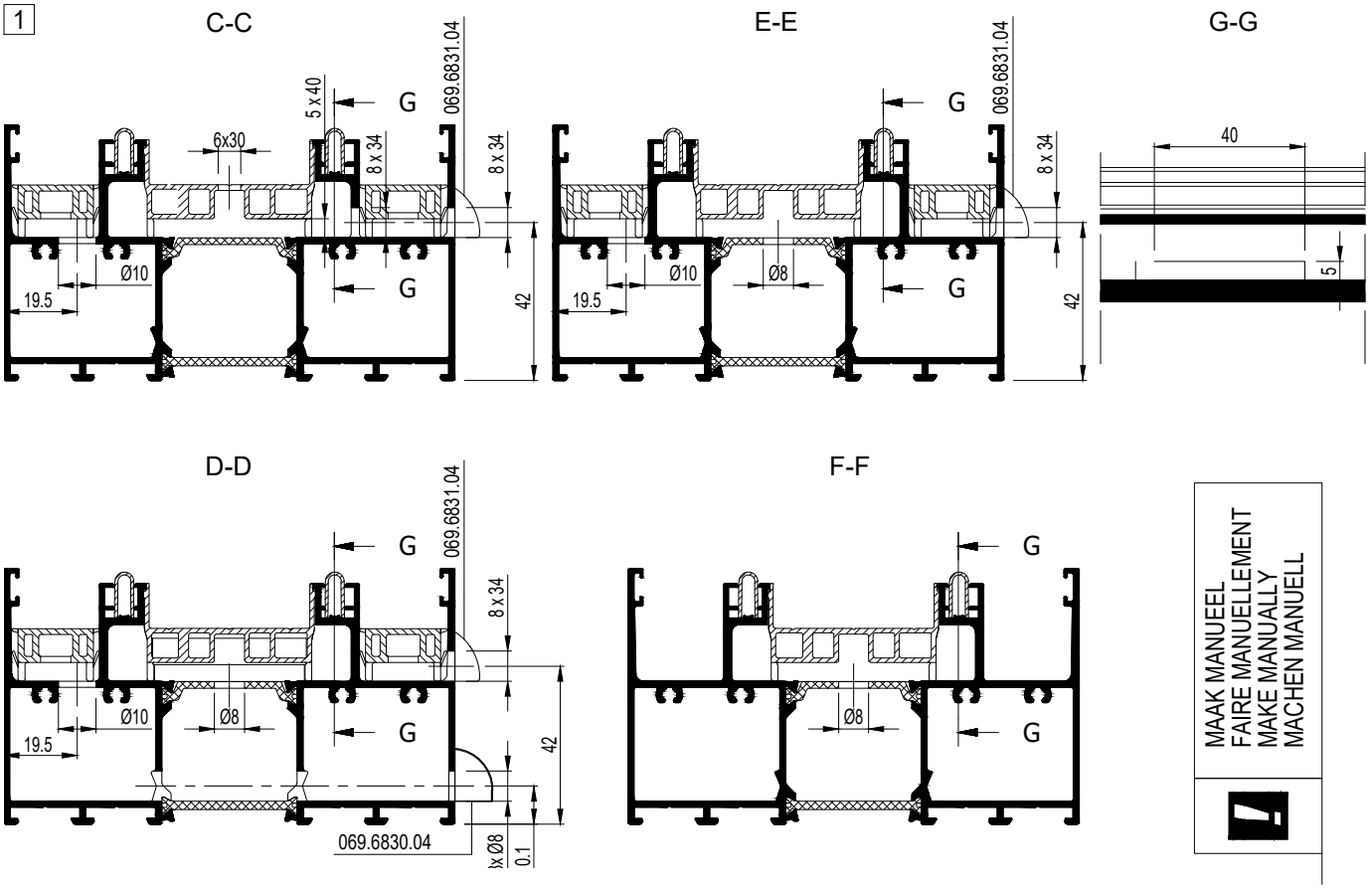


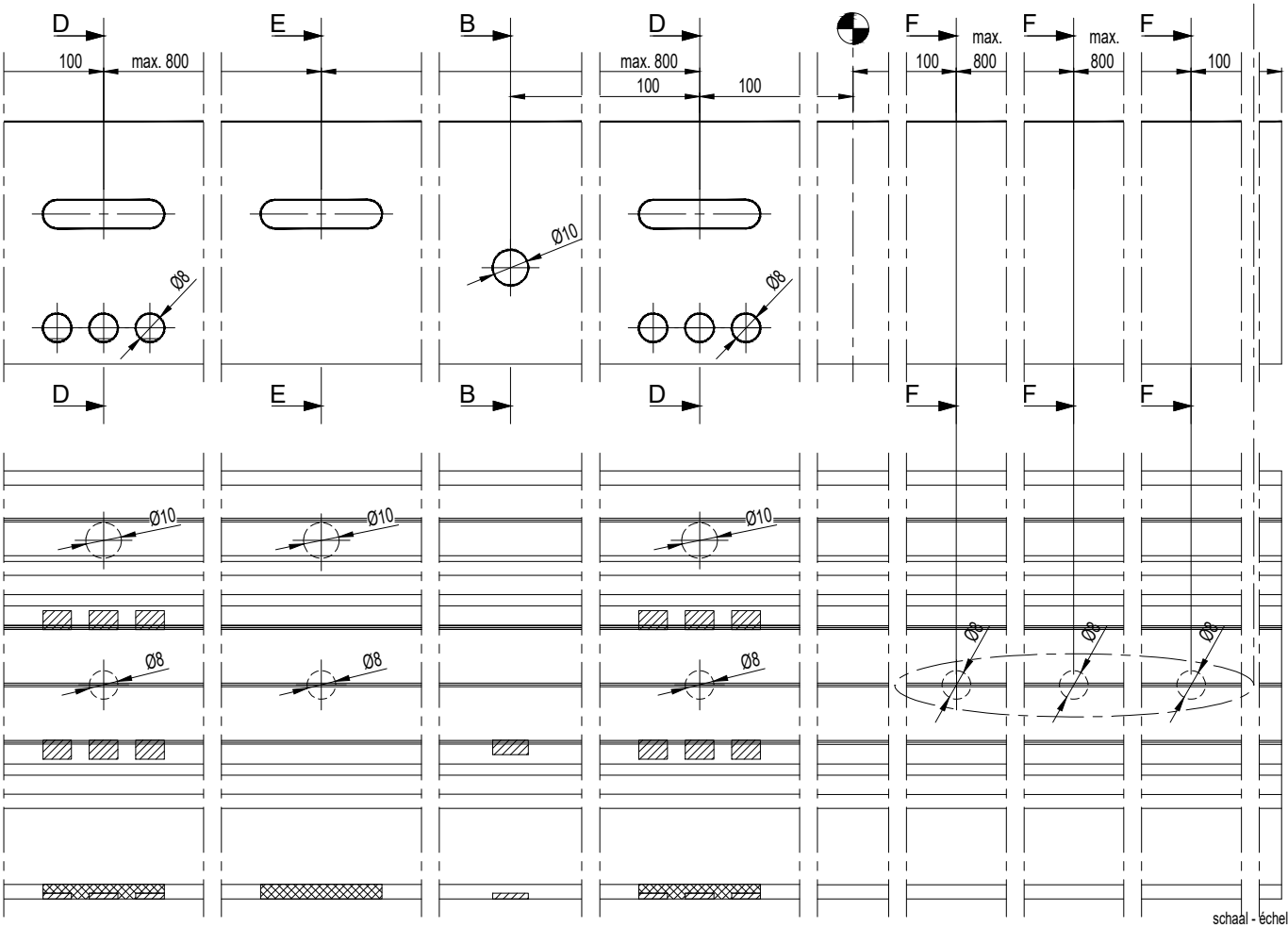
PPER DRAINAGE LEVEL
OWER DRAINAGE LEVEL

schaal - échelle
scale - Maßstab
1/2

F

1





schaal - échelle
scale - Maßstab
1/2

F

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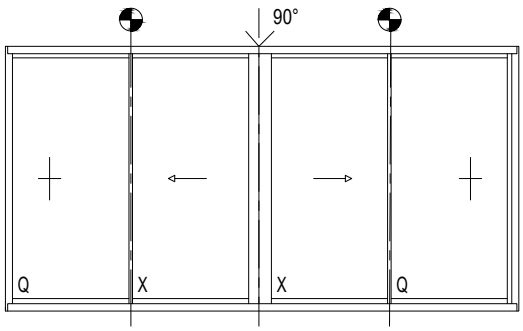
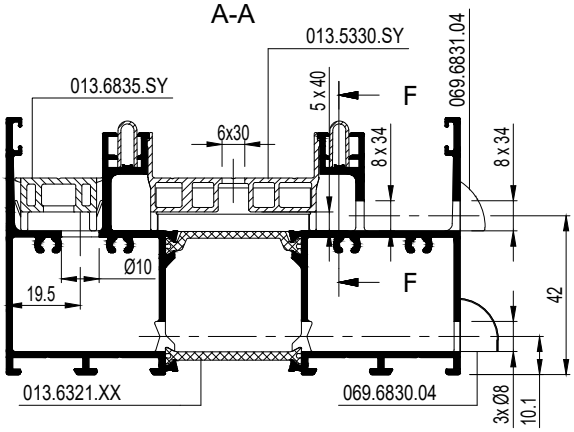
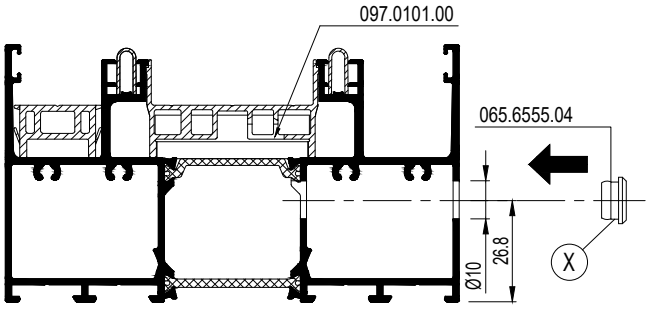


A-A



B-B



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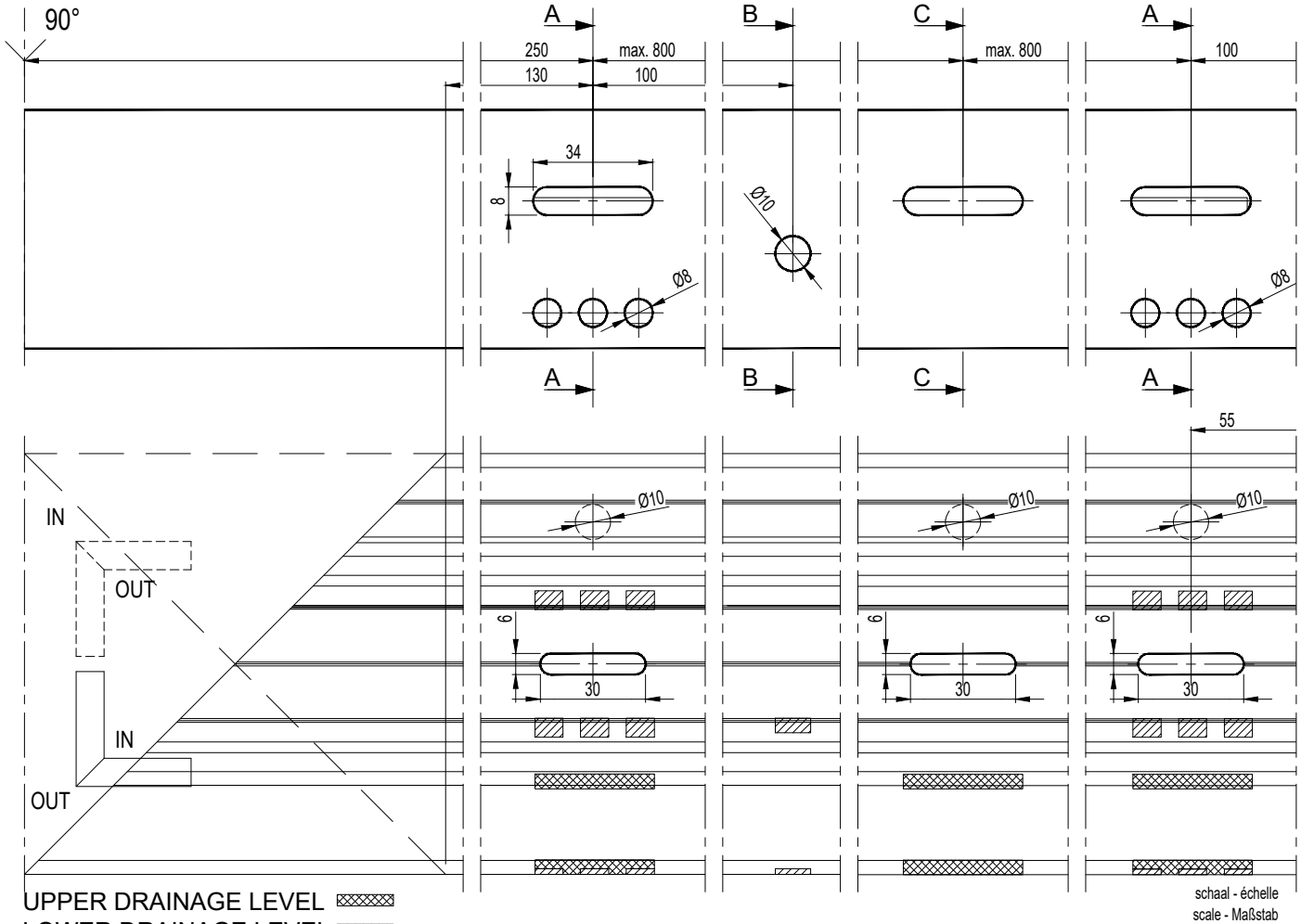

schaal - échelle
scale - Maßstab
1/2

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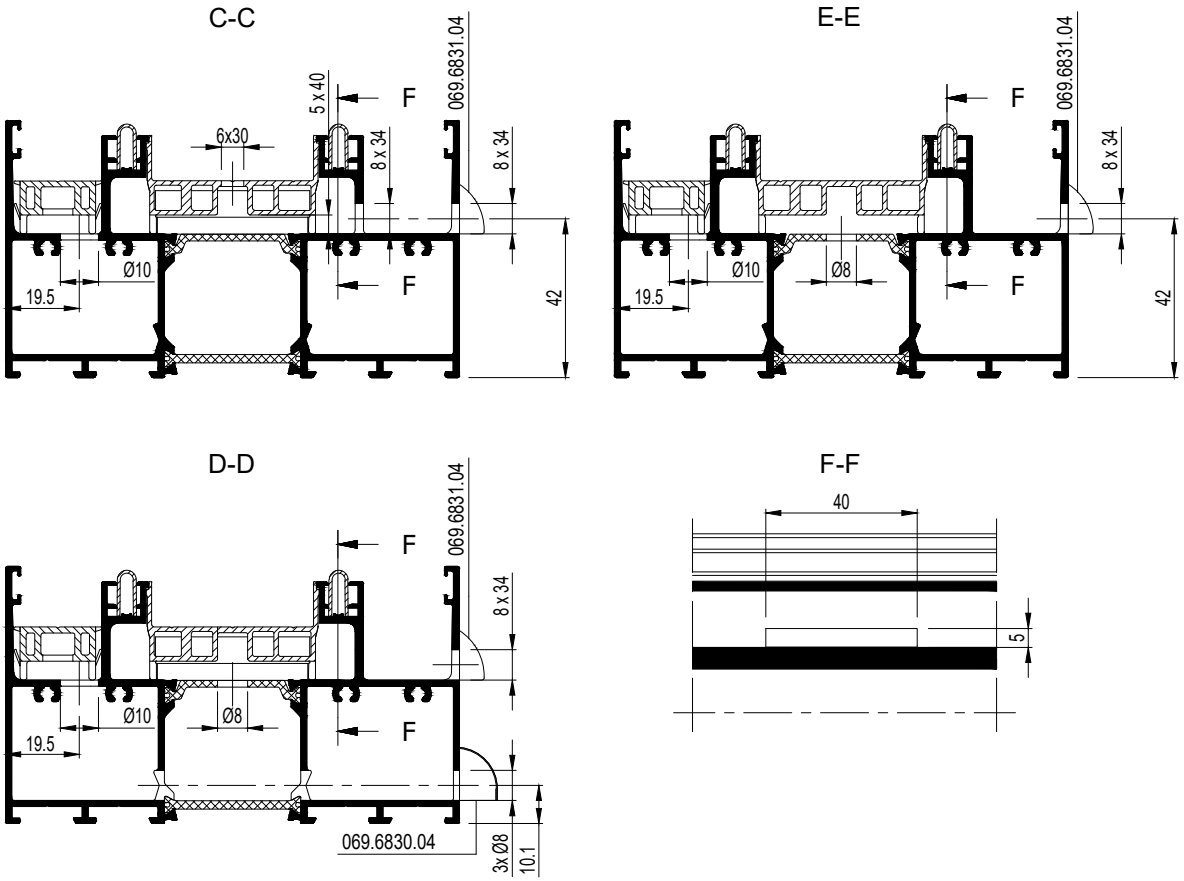

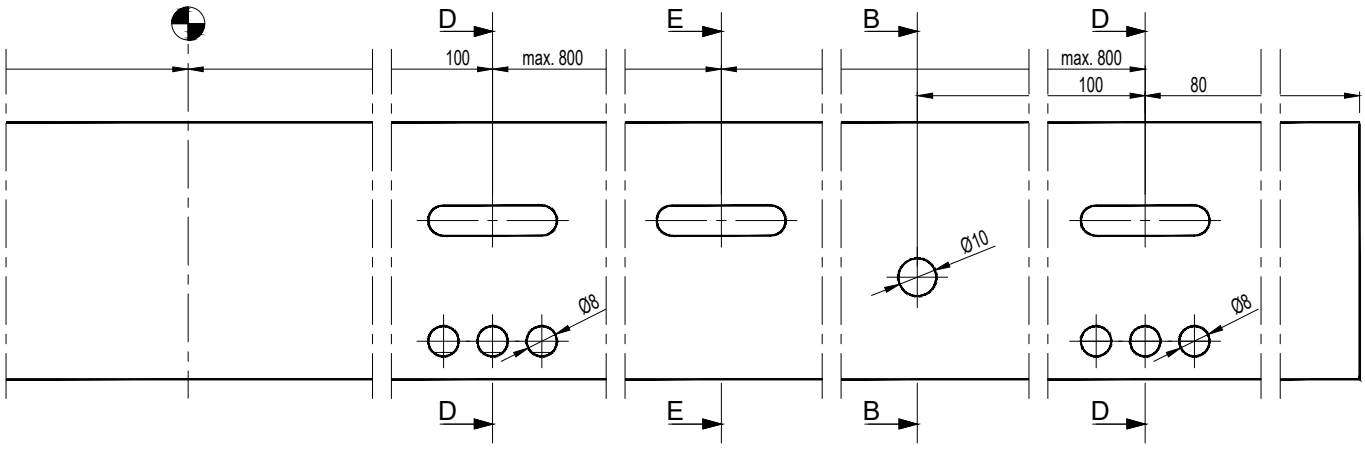

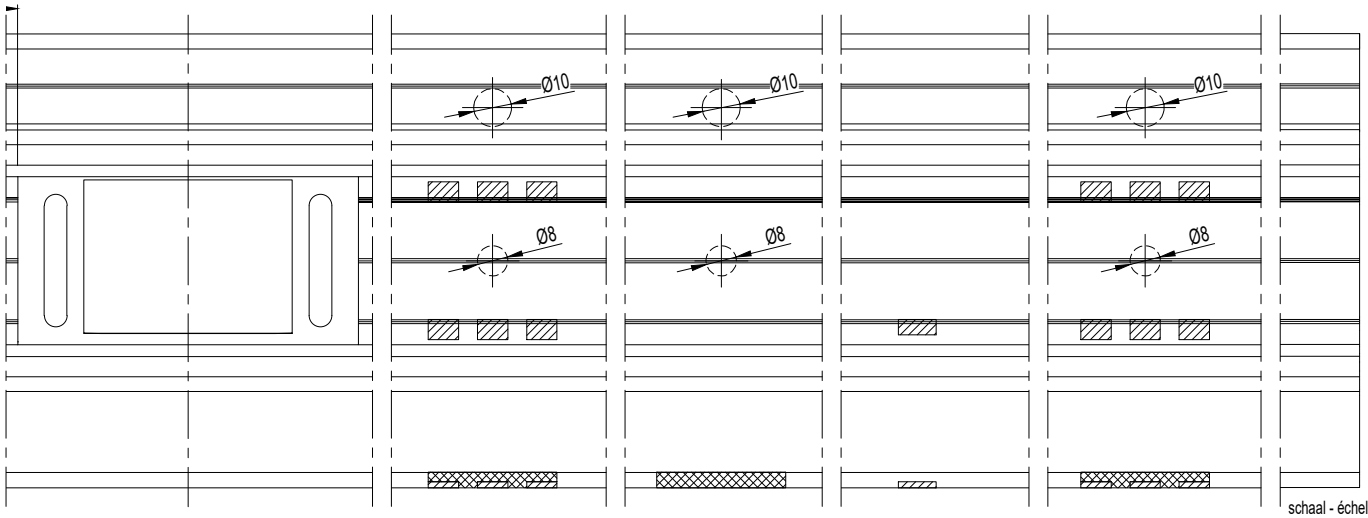

schaal - échelle
scale - Maßstab
1/2

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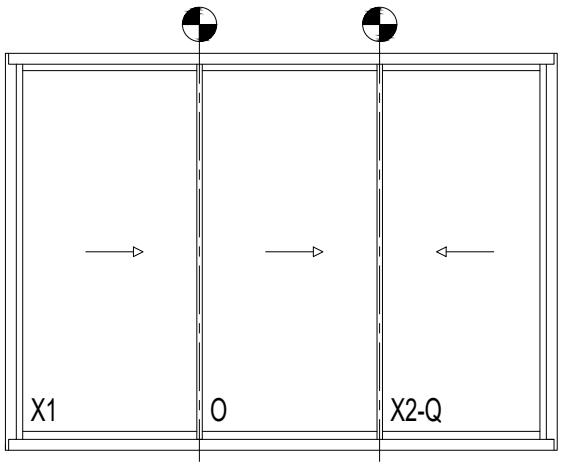

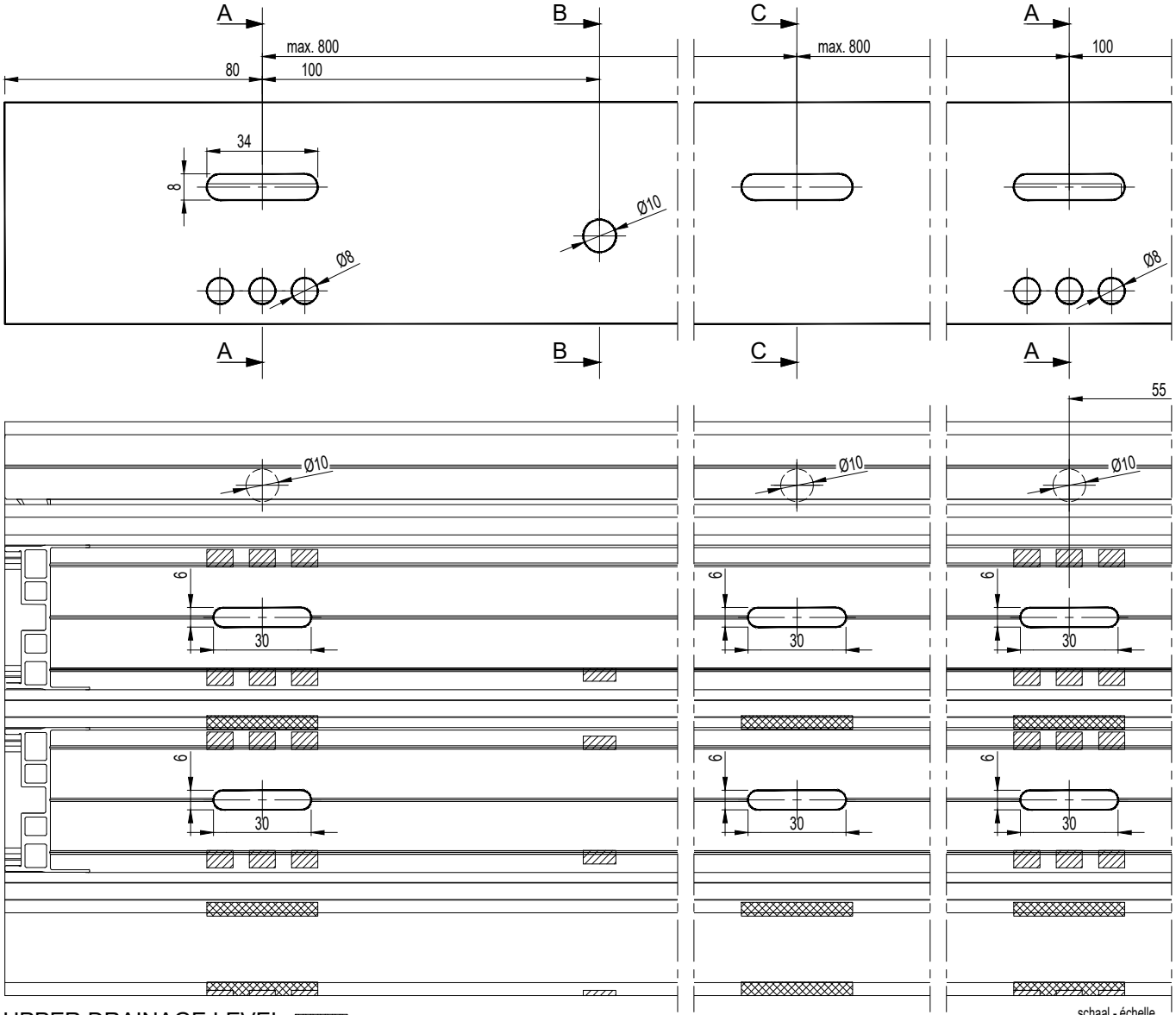

UPPER DRAINAGE LEVEL
LOWER DRAINAGE LEVEL

schaal - échelle
scale - Maßstab
1/2

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	SV/LV
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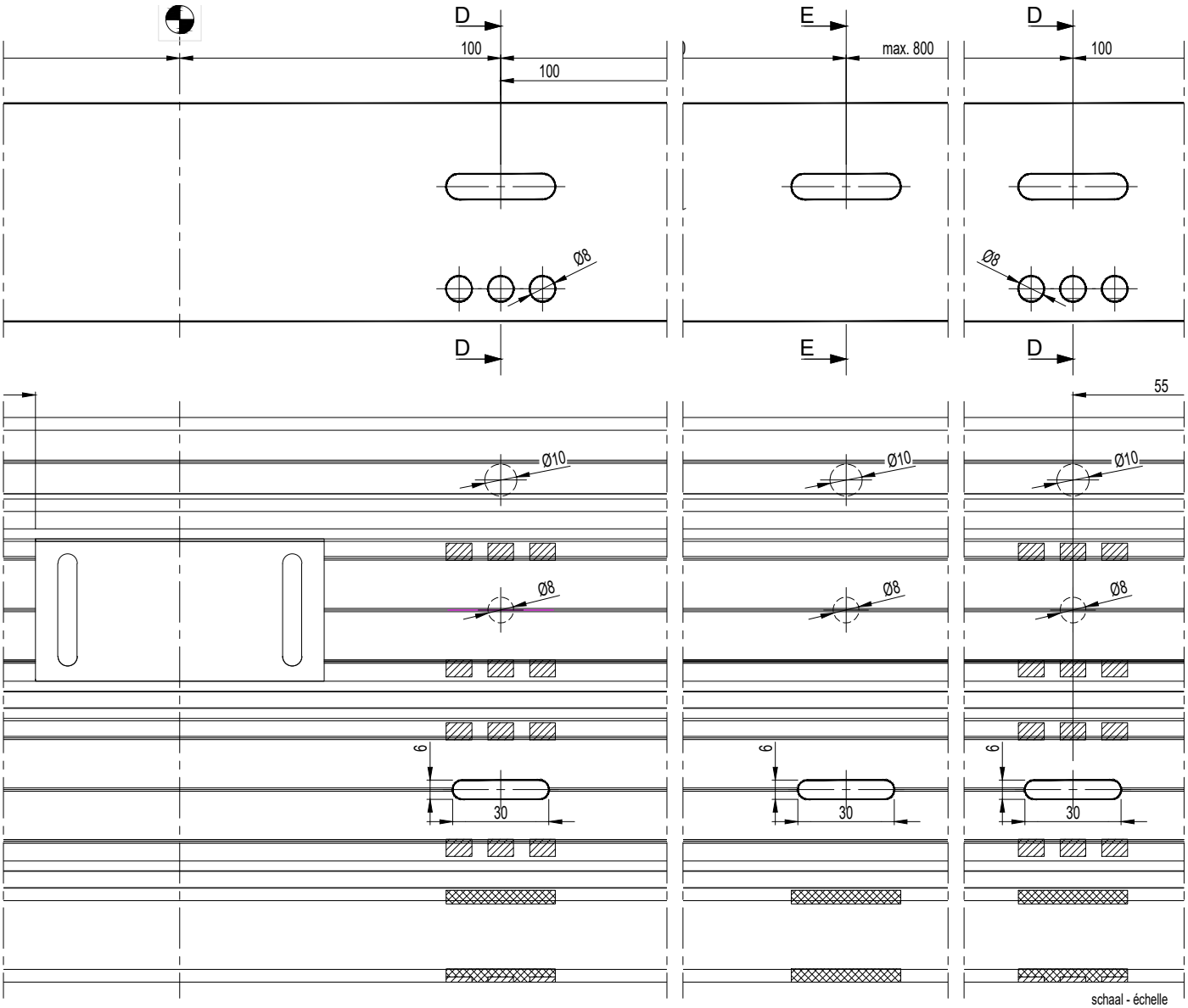
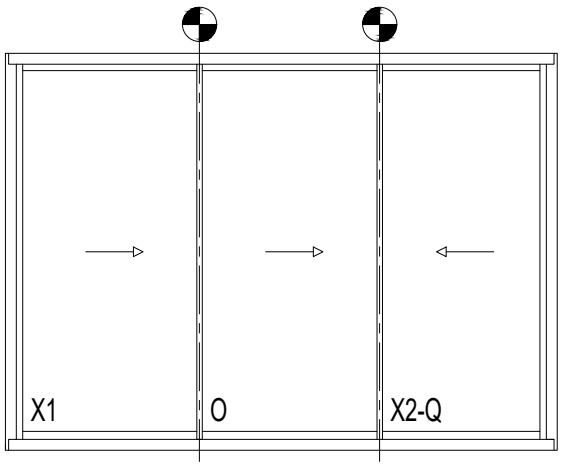
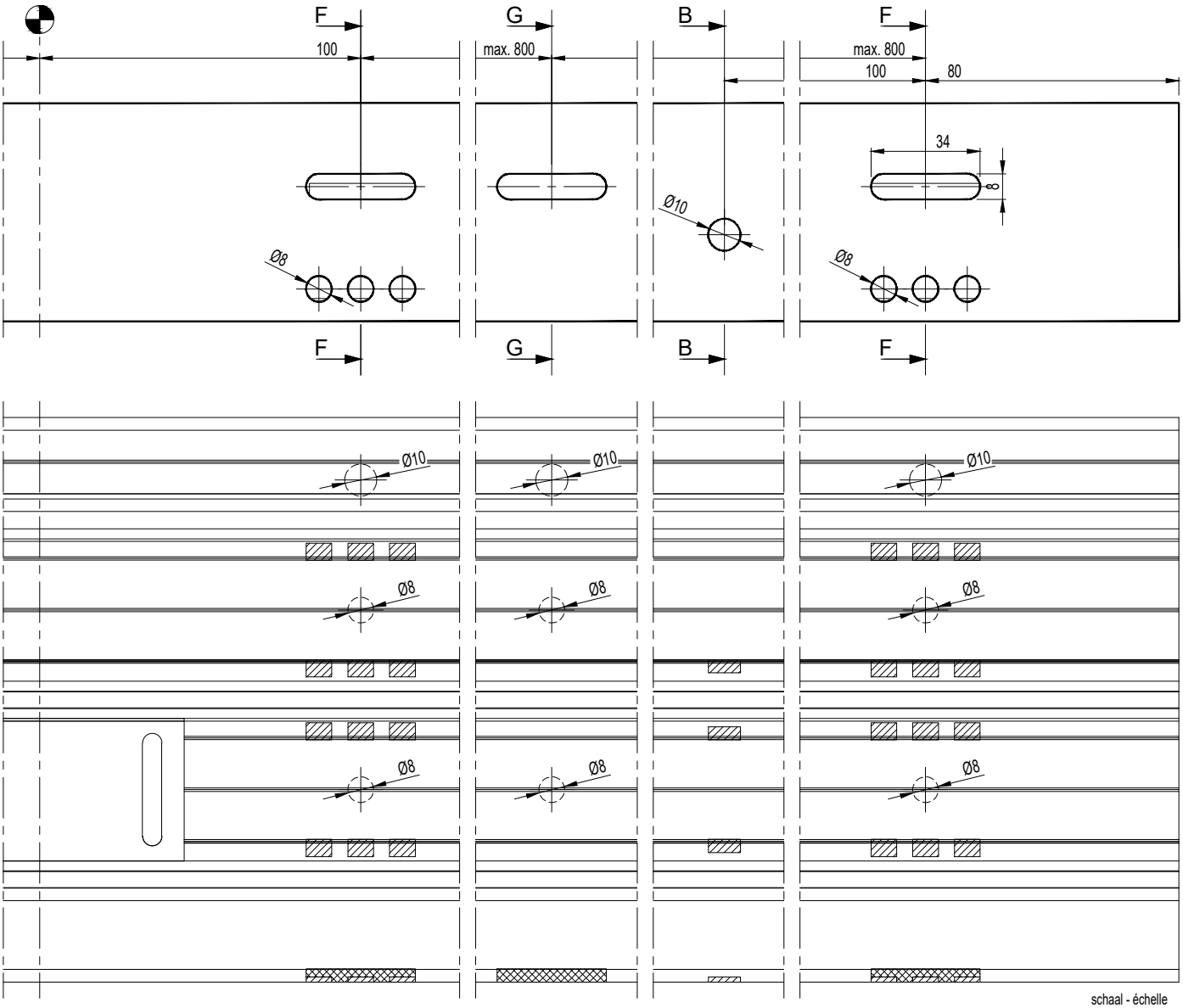


schaal - échelle
scale - Maßstab
1/2

F

1



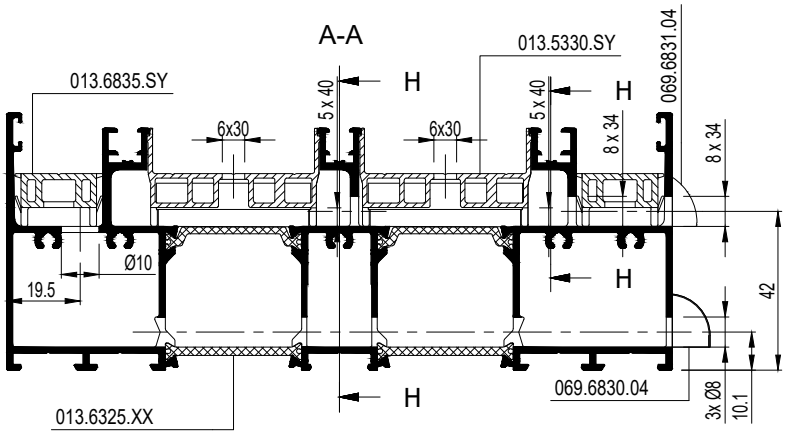


schaal - échelle
scale - Maßstab
1/2

F

1

A-A



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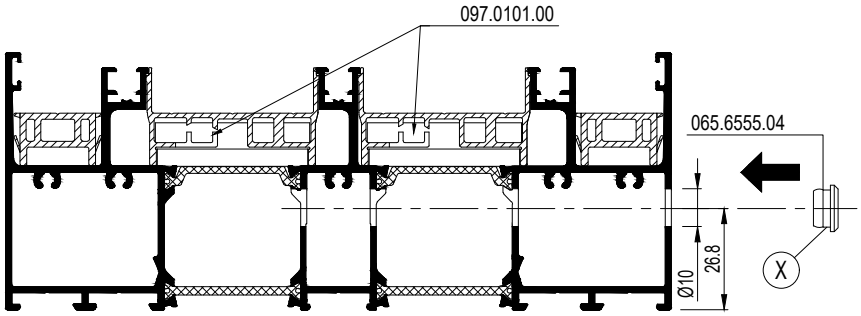
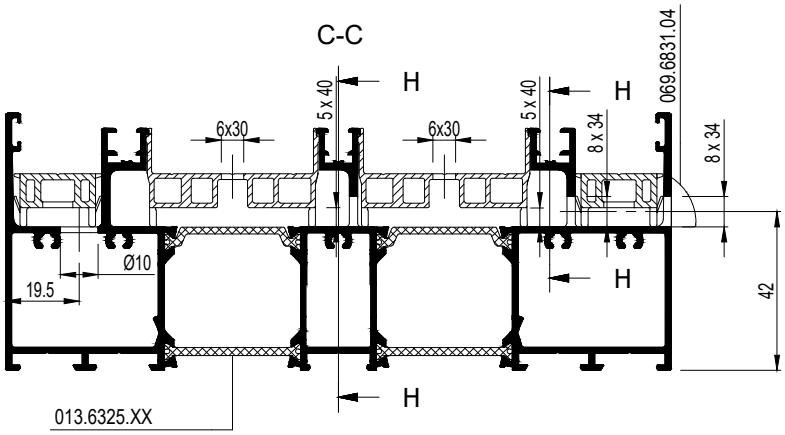
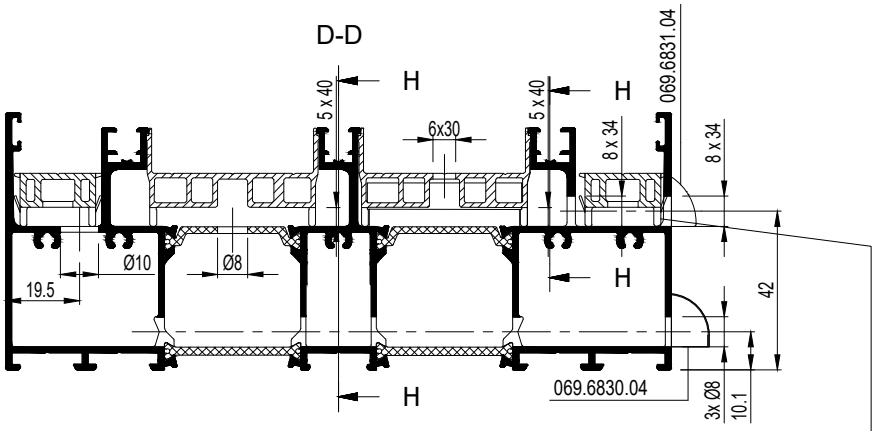


C-C



D-D

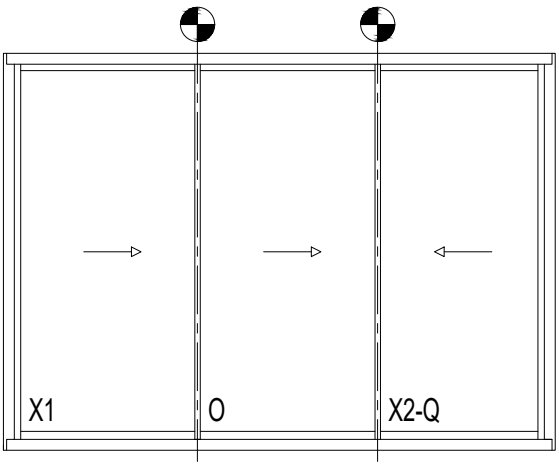


!	TPE 013.6835.SY NIET AAN BUITENZIJDE VOOR XOQ TPE 013.6835.SY NE PAS A L'EXTERIEUR A XOQ TPE 013.6835.SY NOT ON THE OUTSIDE FOR XOQ TPE 013.6835.SY NICHT VON AUBEN FUR XOQ

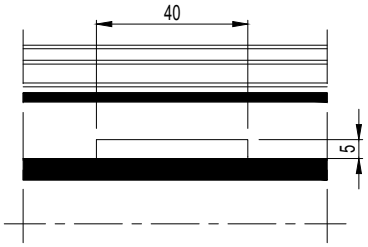
schaal - échelle
scale - Maßstab
1/2

F

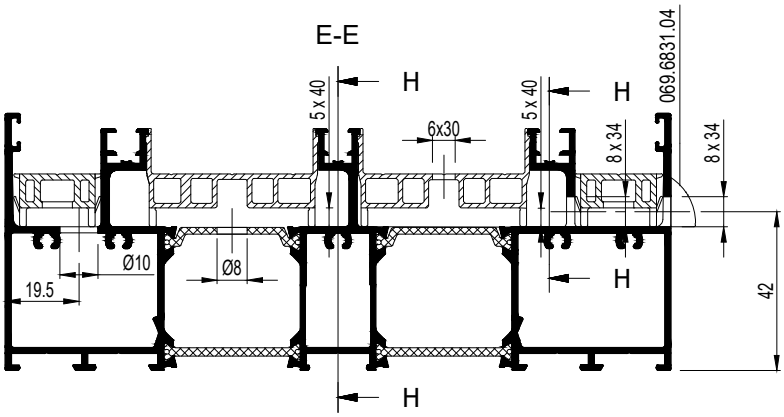
1



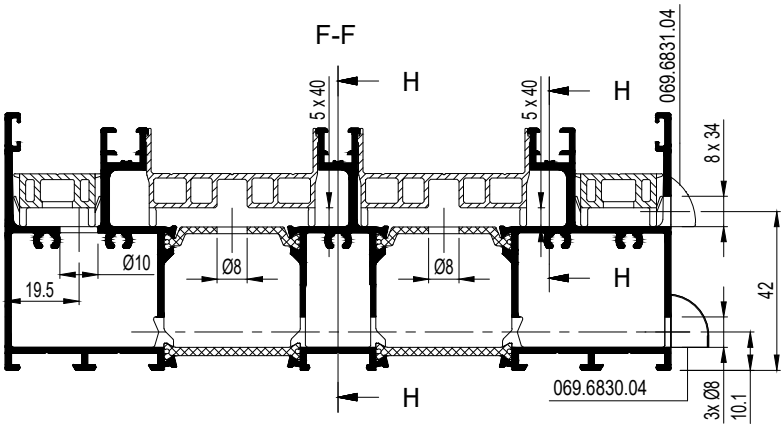
H-H



E-E



F-F



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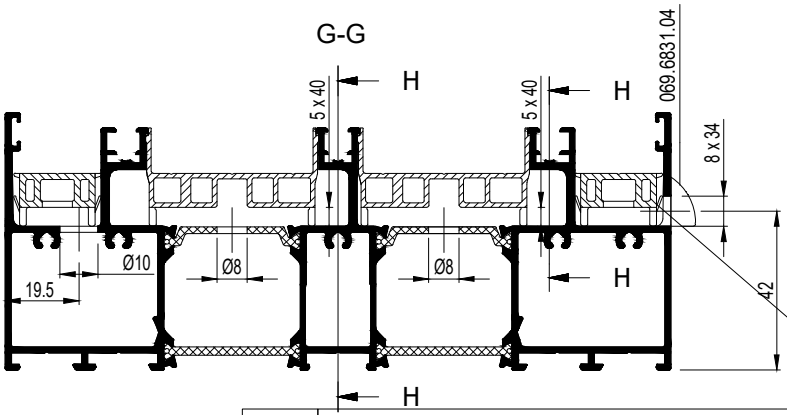


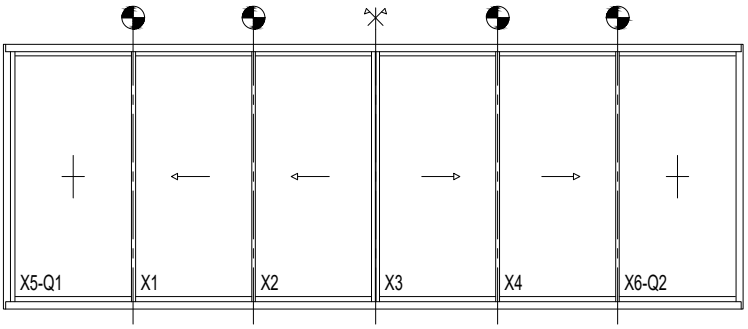
TPE 013.6835.SY NIET AAN BUITENZIJDE VOOR XOQ
TPE 013.6835.SY NE PAS A L'EXTERIEUR A XOQ
TPE 013.6835.SY NOT ON THE OUTSIDE FOR XOQ
TPE 013.6835.SY NICHT VON AUBEN FUR XOQ

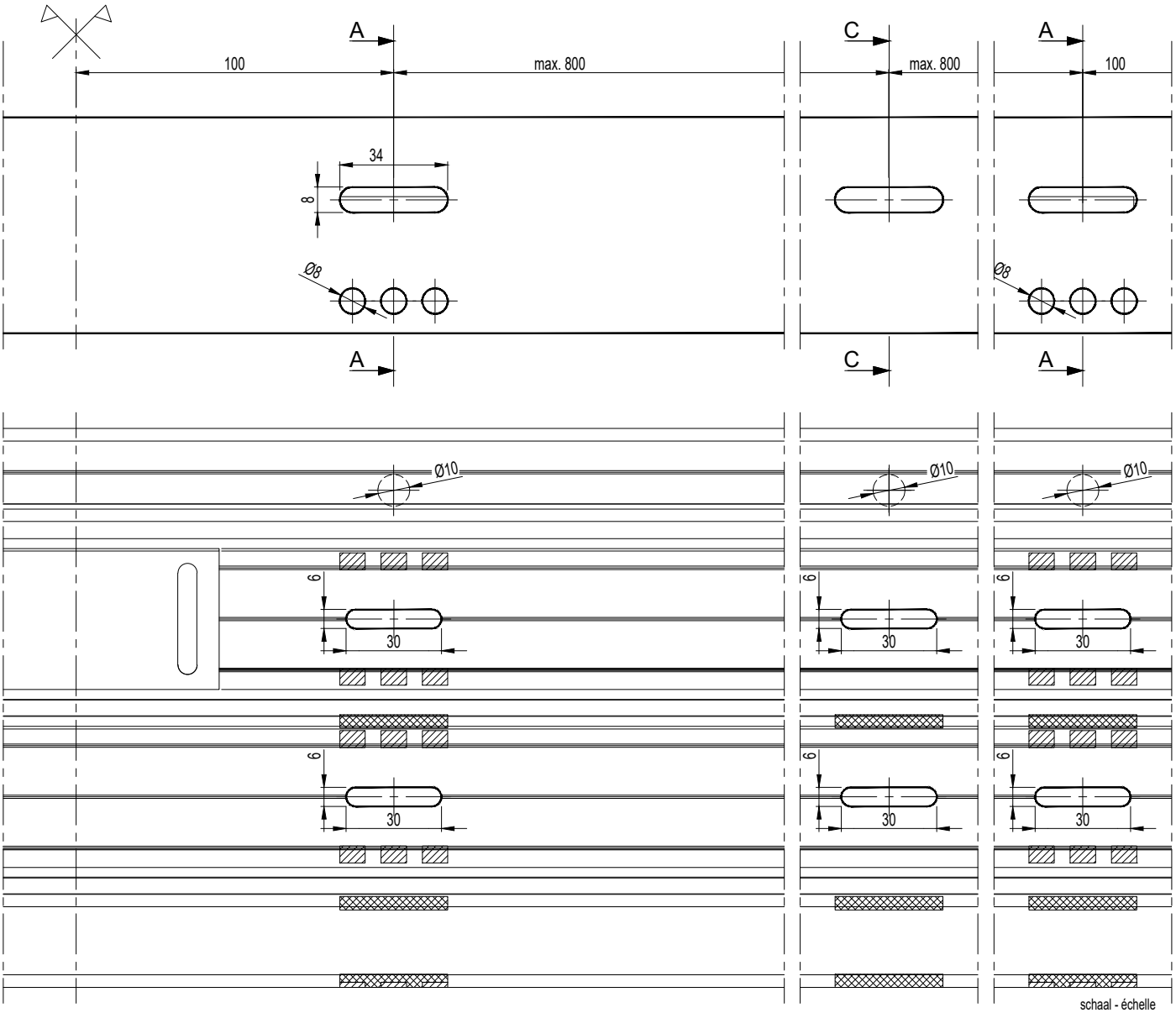
schaal - échelle
scale - Maßstab
1/2

F

schaal - échelle
scale - Maßstab
1/2

1



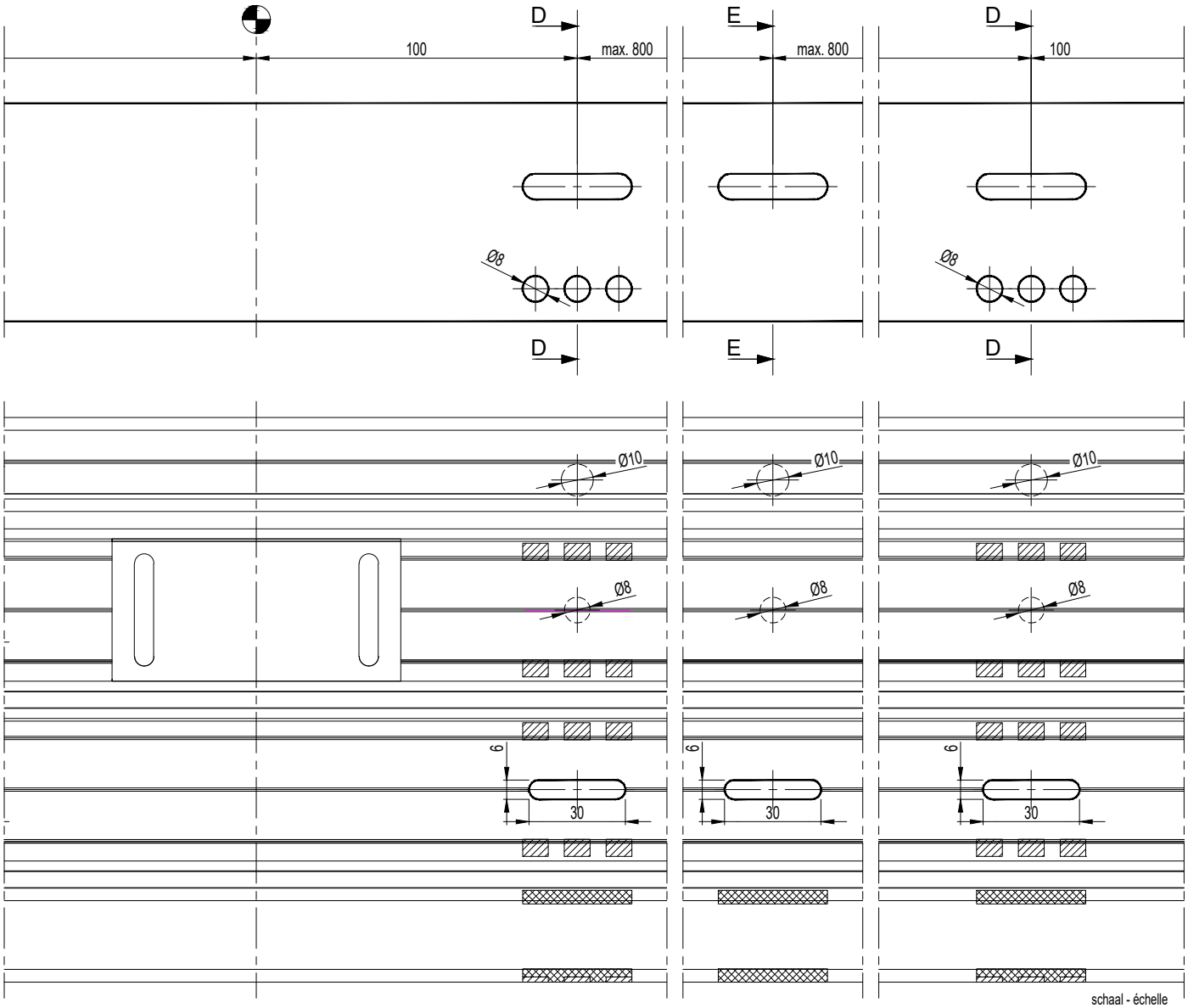


schaal - échelle
scale - Maßstab
1/2

F

1

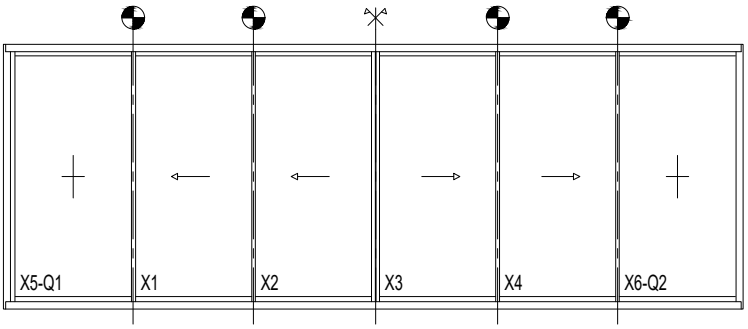
	SV/LV
197.D400.00	013.6325.XX 013.5330.SY 013.6835.SY
- -	
-	
097.0101.00 097.0817.00 097.0814.00	

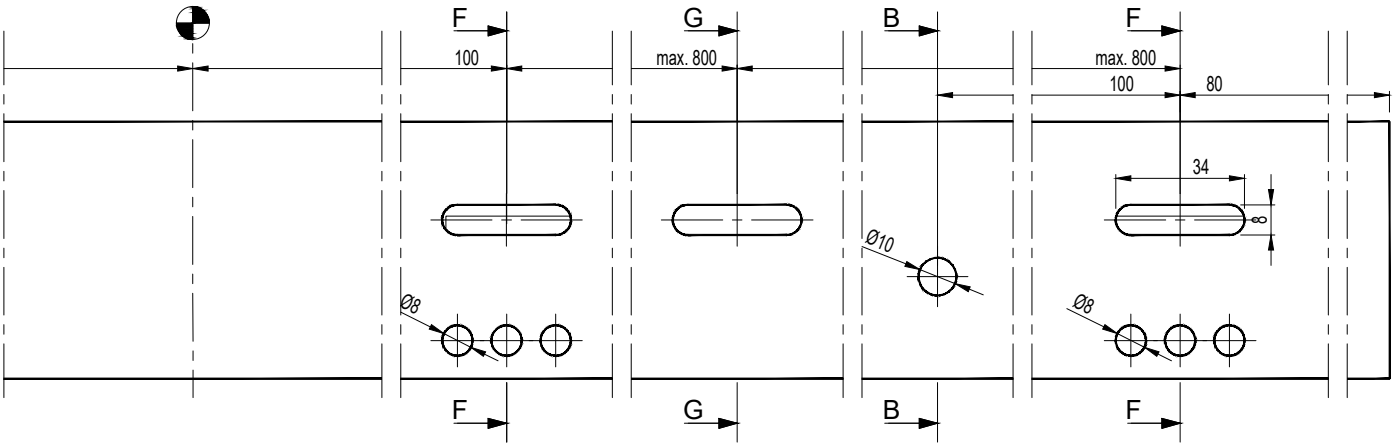


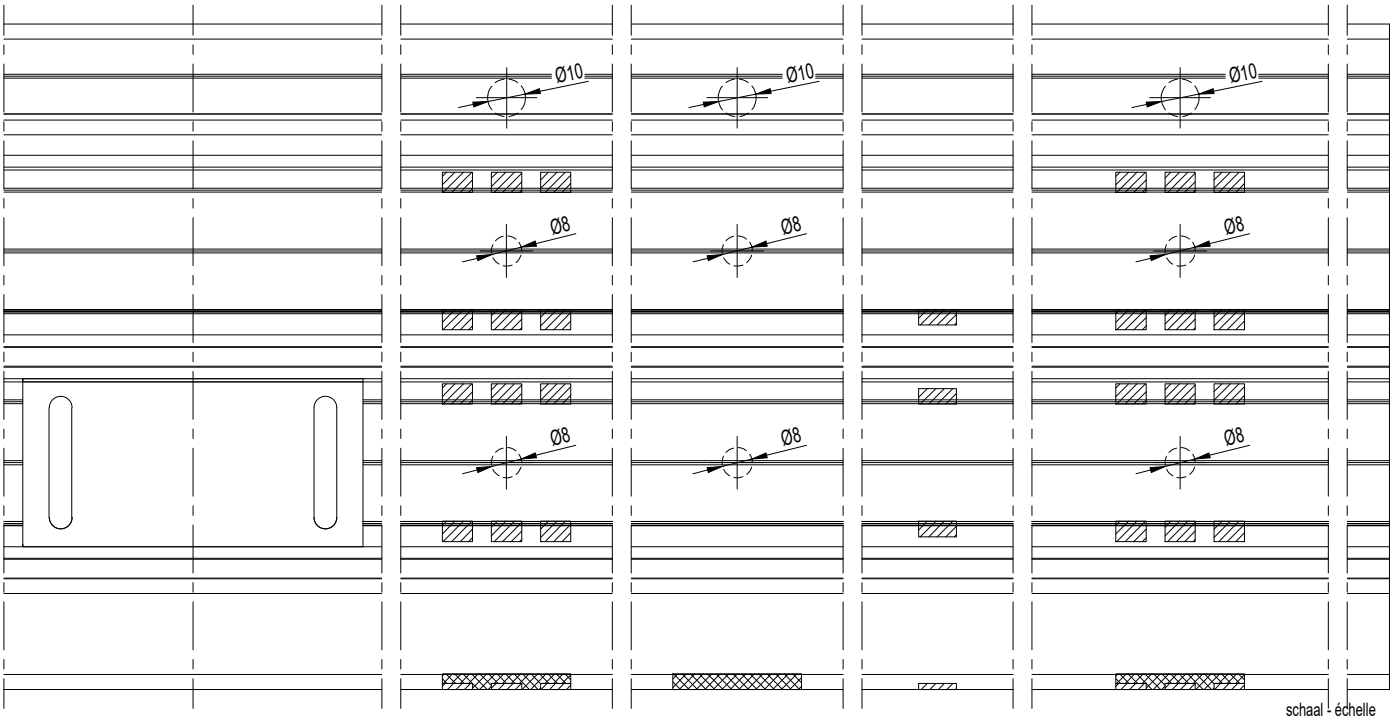
schaal - échelle
scale - Maßstab
1/2

F

1





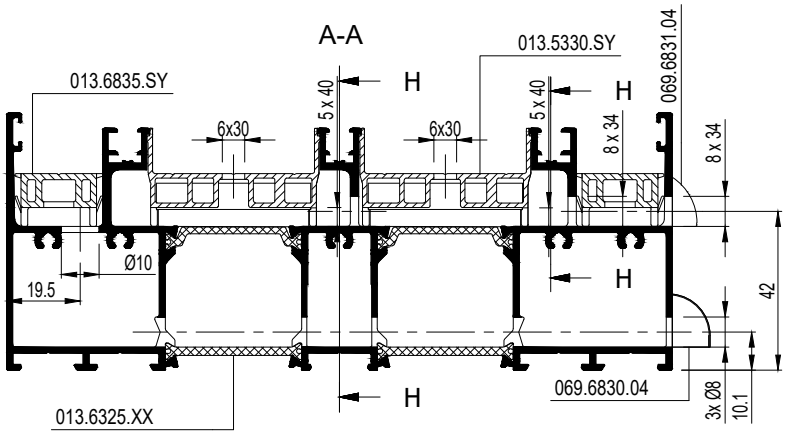


schaal - échelle
scale - Maßstab
1/2

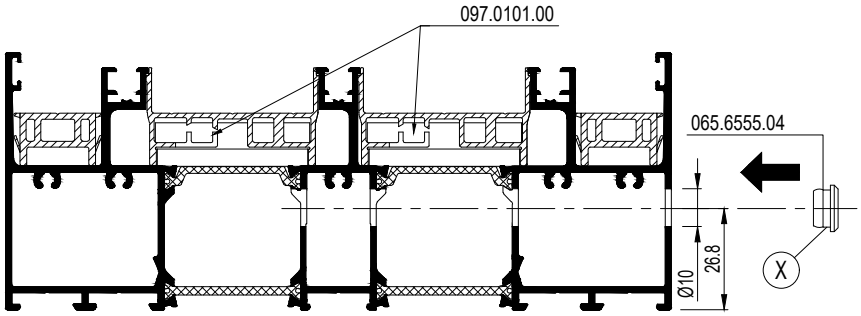
F

1

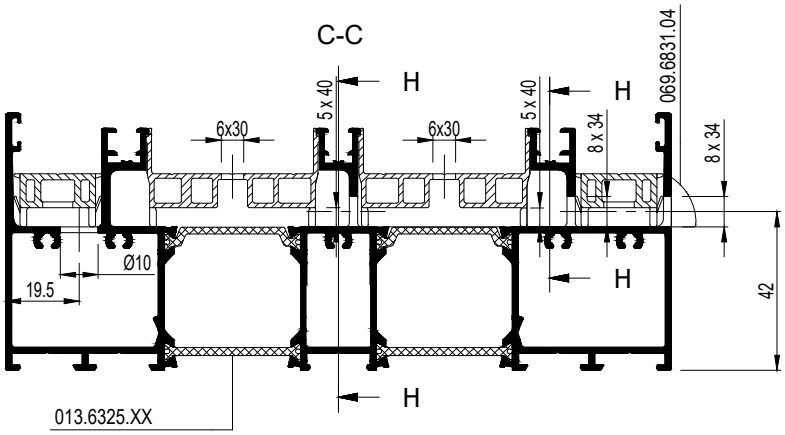
A-A



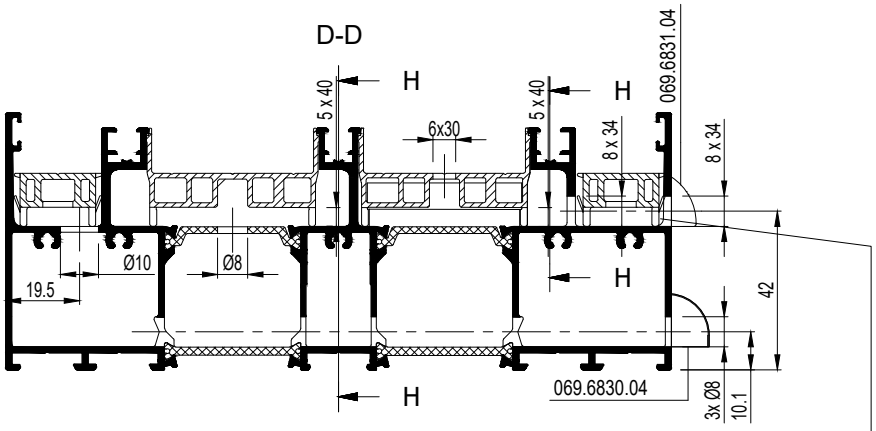
B-B



C-C



D-D

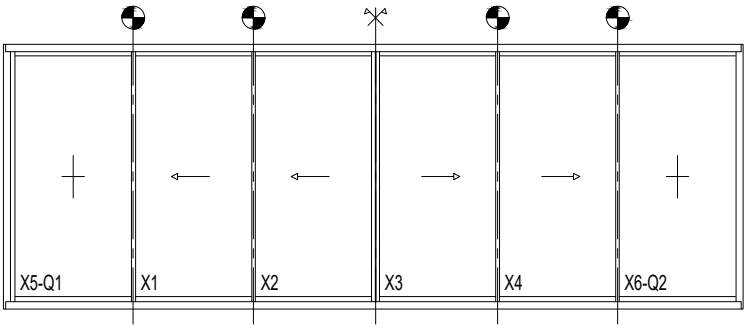


TPE 013.6835.SY NIET AAN BUITENZIJDE VOOR QOXXOQ
TPE 013.6835.SY NE PAS A L'EXTERIEUR A QOXXOQ
TPE 013.6835.SY NOT ON THE OUTSIDE FOR QOXXOQ
TPE 013.6835.SY NICHT VON AUBEN FUR QOXXOQ

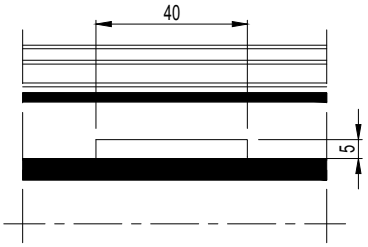
schaal - échelle
scale - Maßstab
1/2

F

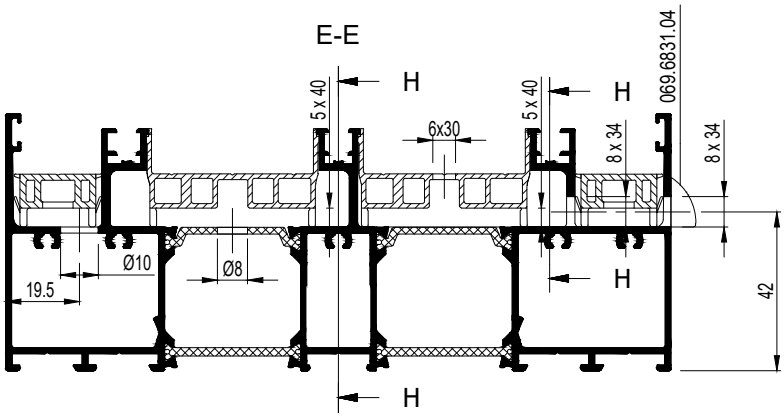
1



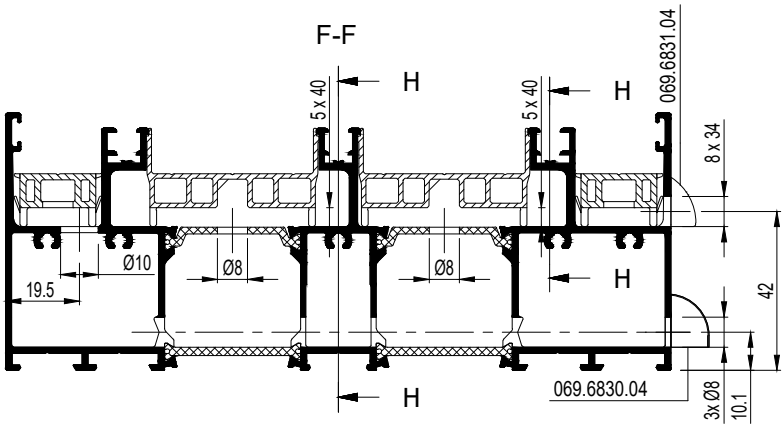
H-H



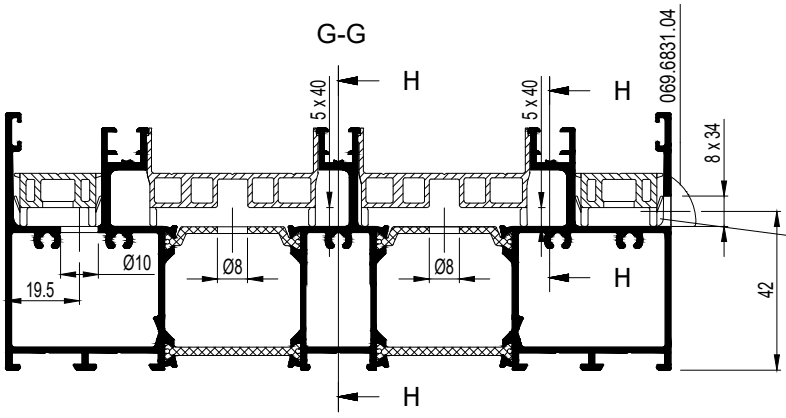
E-E



F-F



G-G



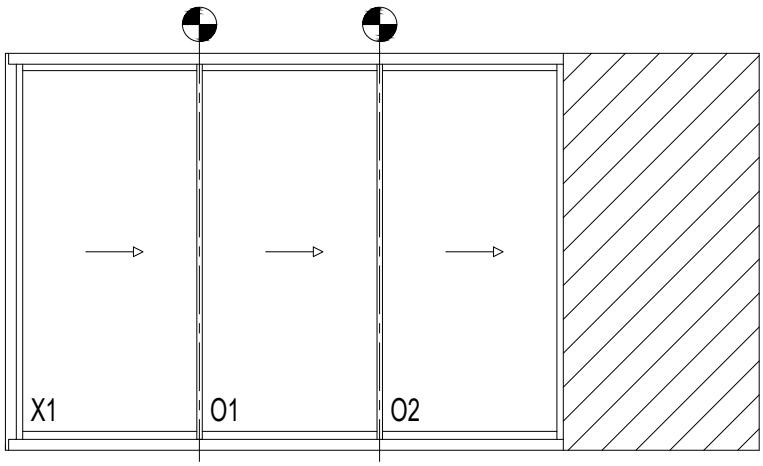
TPE 013.6835.SY NIET AAN BUITENZIJDE VOOR QOXXOQ
TPE 013.6835.SY NE PAS A L'EXTERIEUR A QOXXOQ
TPE 013.6835.SY NOT ON THE OUTSIDE FOR QOXXOQ
TPE 013.6835.SY NICHT VON AUBEN FUR QOXXOQ

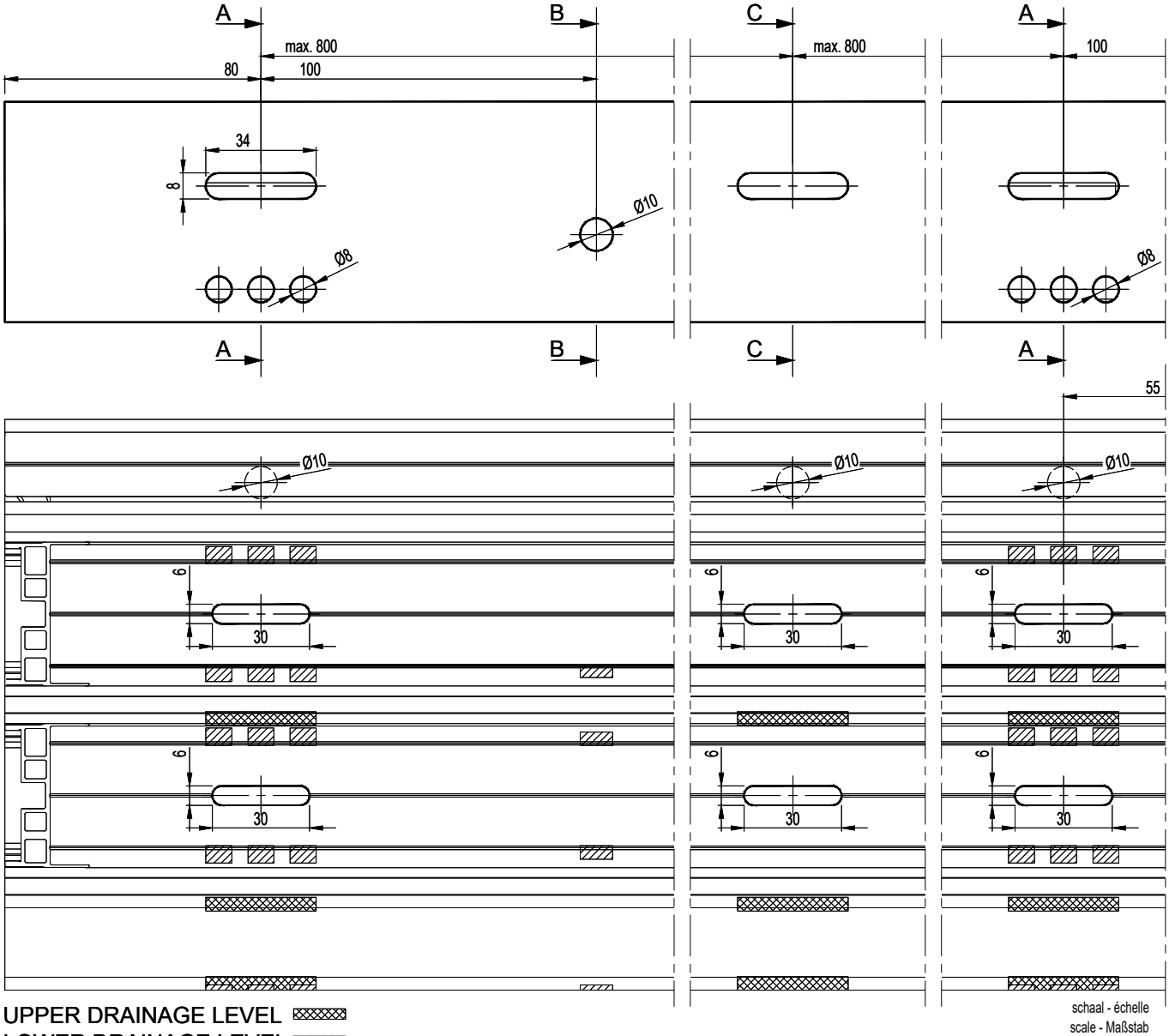
schaal - échelle
scale - Maßstab
1/2

F

schaal - échelle
scale - Maßstab
1/2

1



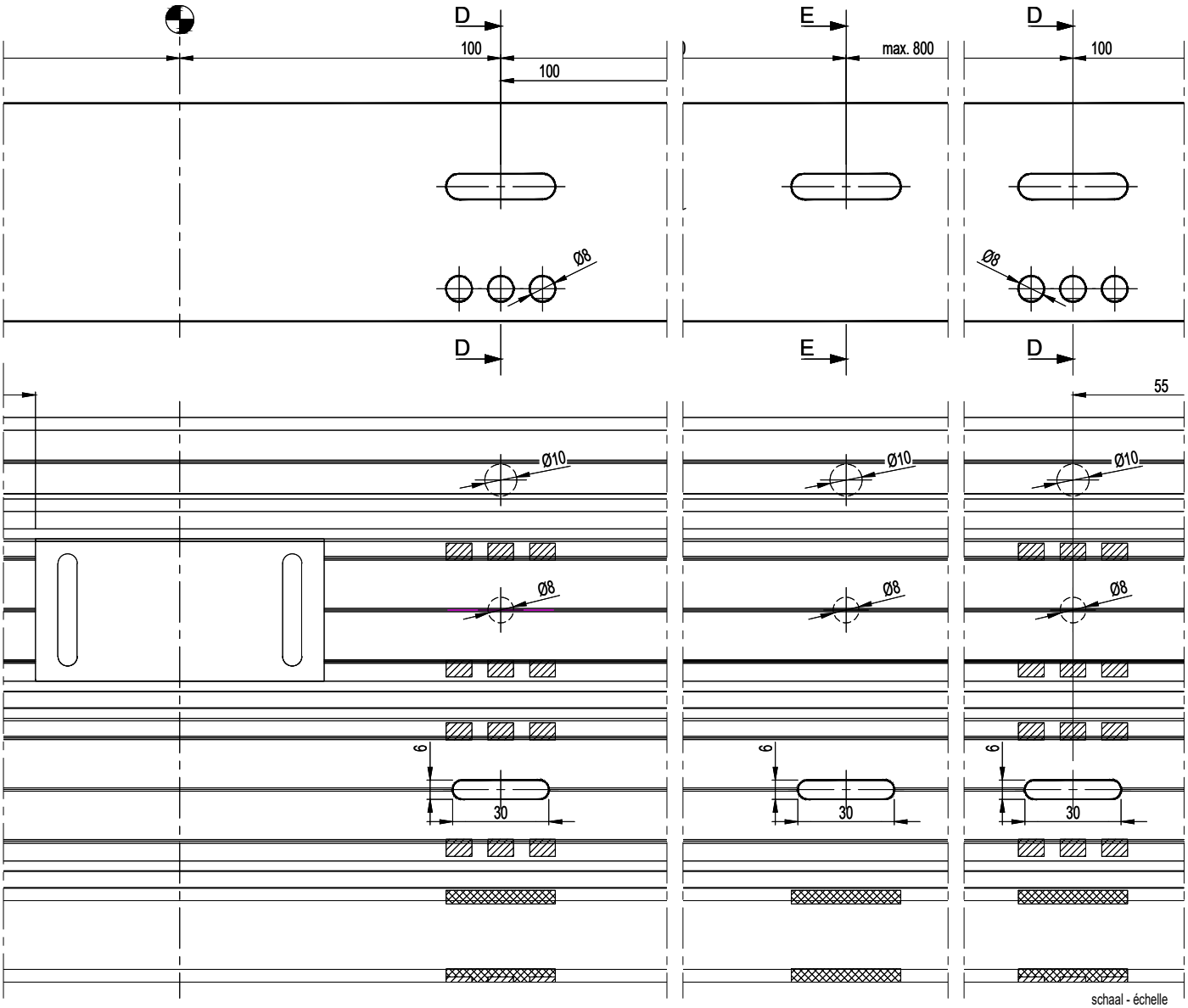


UPPER DRAINAGE LEVEL
LOWER DRAINAGE LEVEL

schaal - échelle
scale - Maßstab
1/2

1

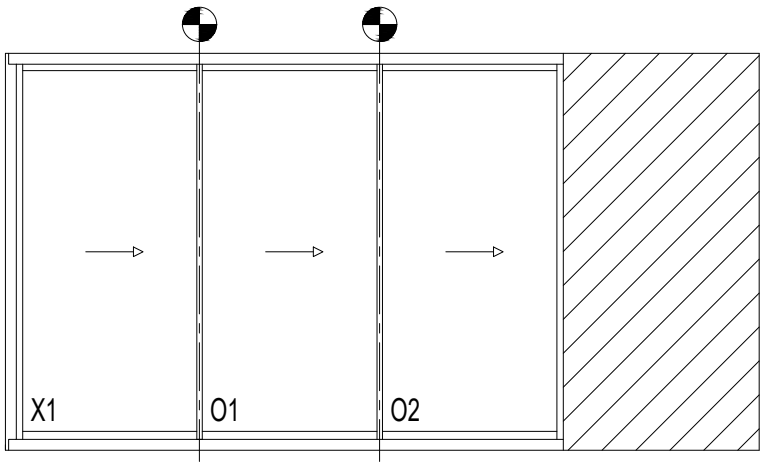
	SV/LV
197.D400.00	013.6325.XX 013.5330.SY 013.6835.SY
- -	
-	
097.0101.00 097.0817.00 097.0814.00	

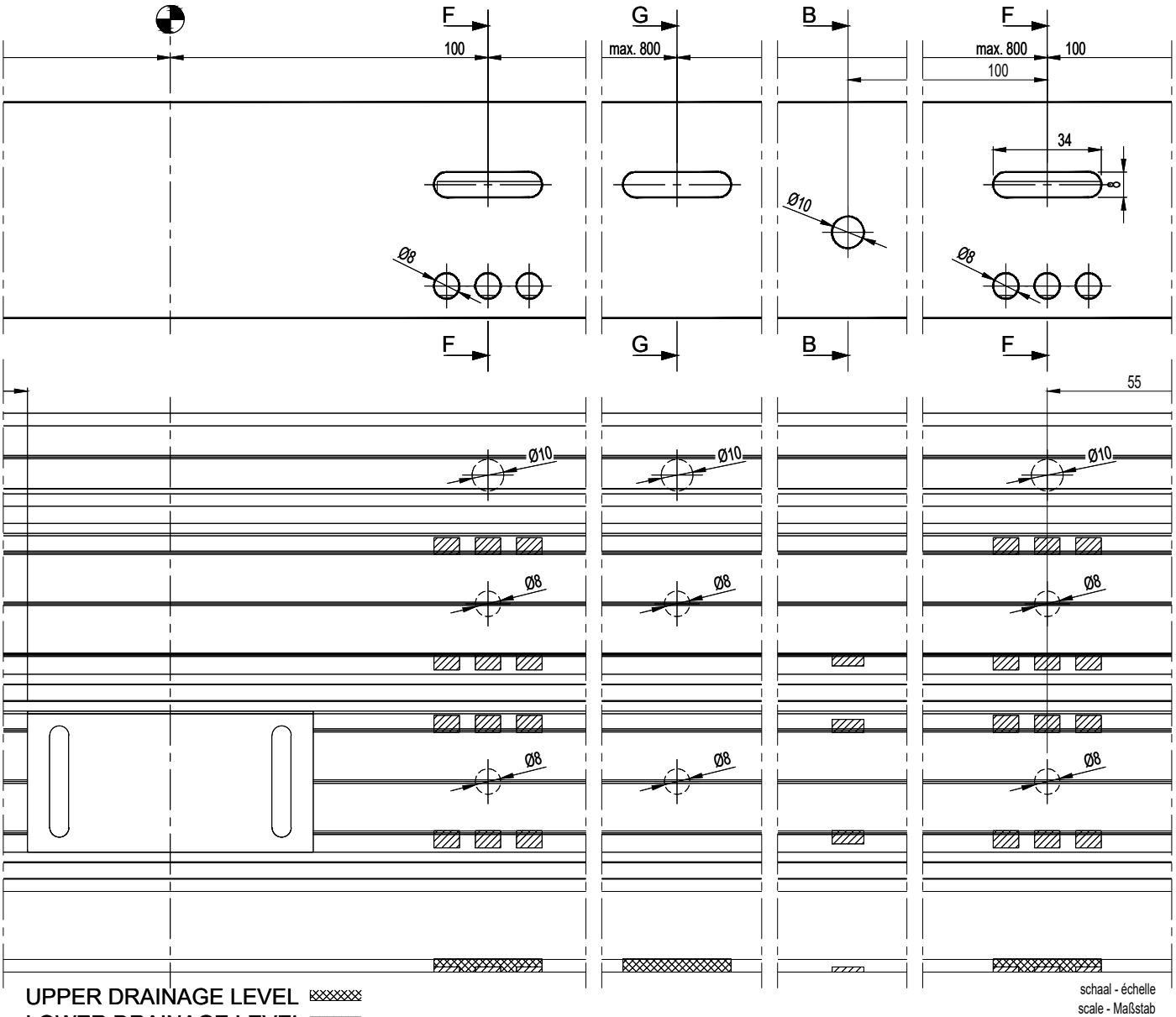


schaal - échelle
scale - Maßstab
1/2

F

1

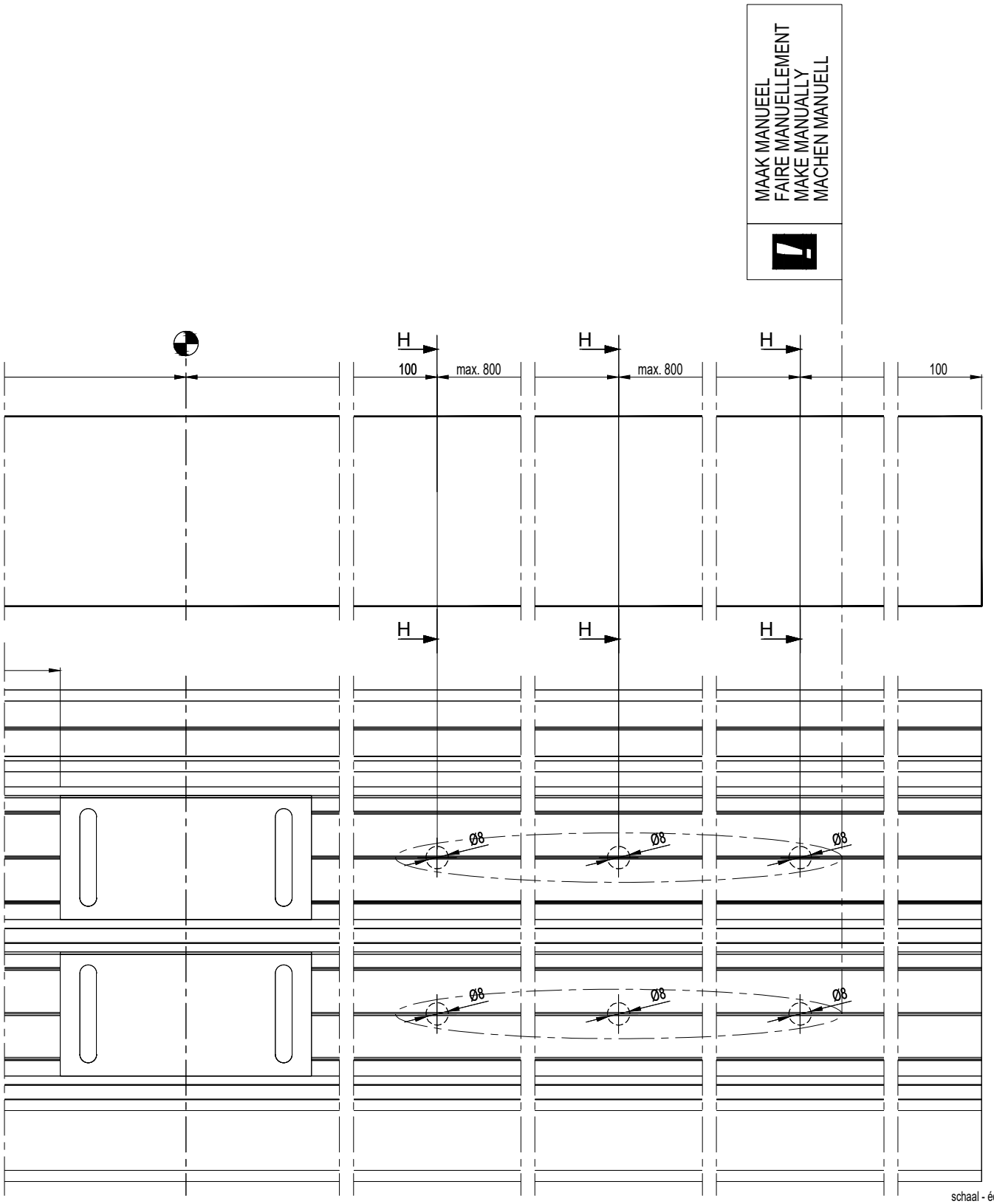




schaal - échelle
scale - Maßstab
1/2

F

1

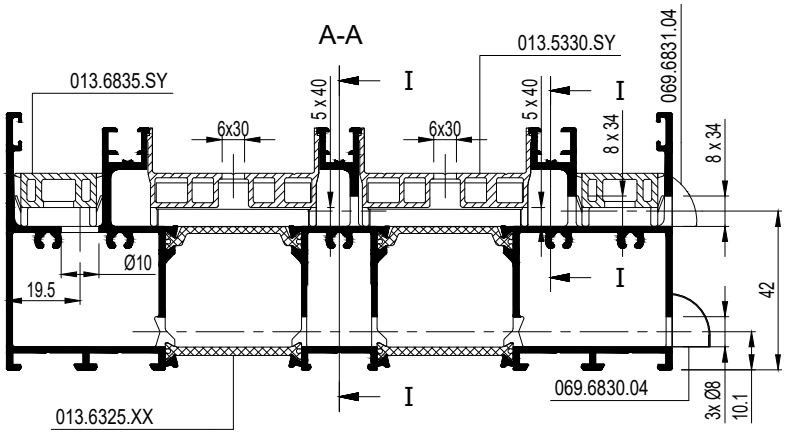


schaal - échelle
scale - Maßstab
1/2

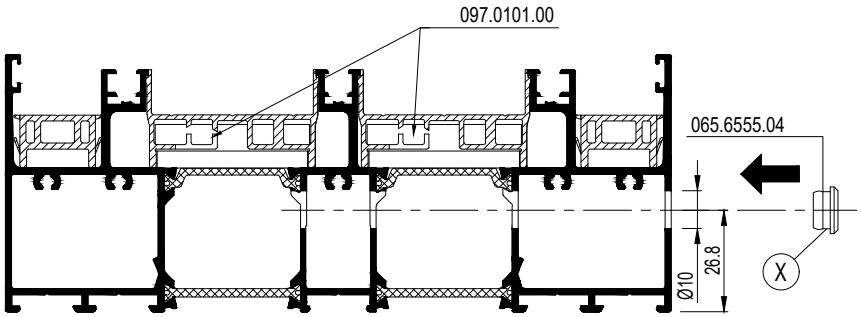
F

1

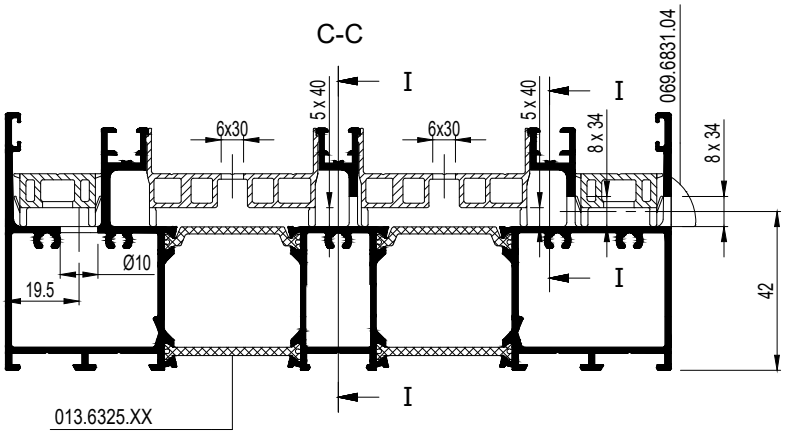
A-A



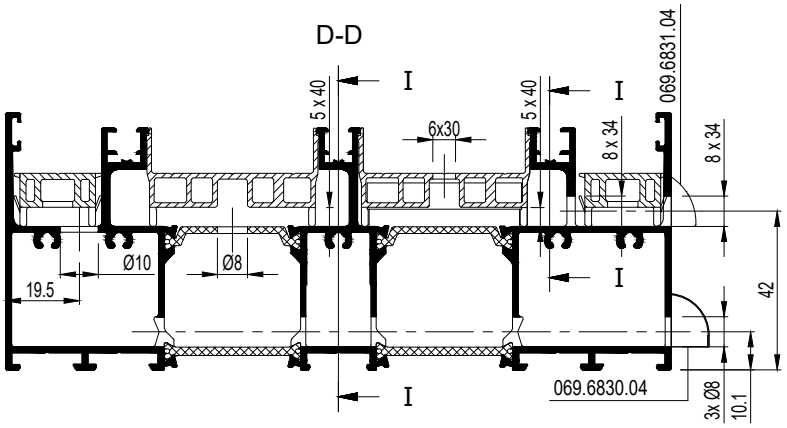
B-B



C-C



D-D

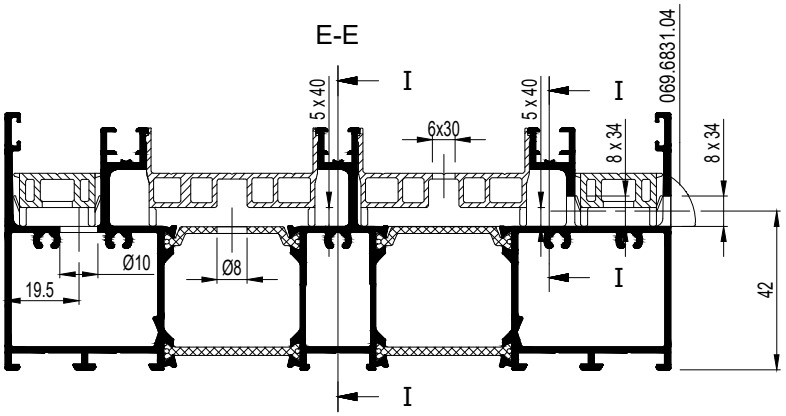


F

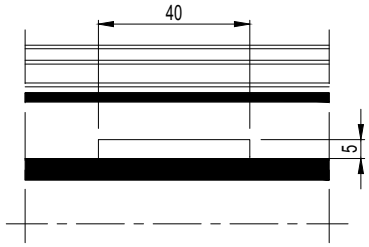
schaal - échelle
scale - Maßstab
1/2

1

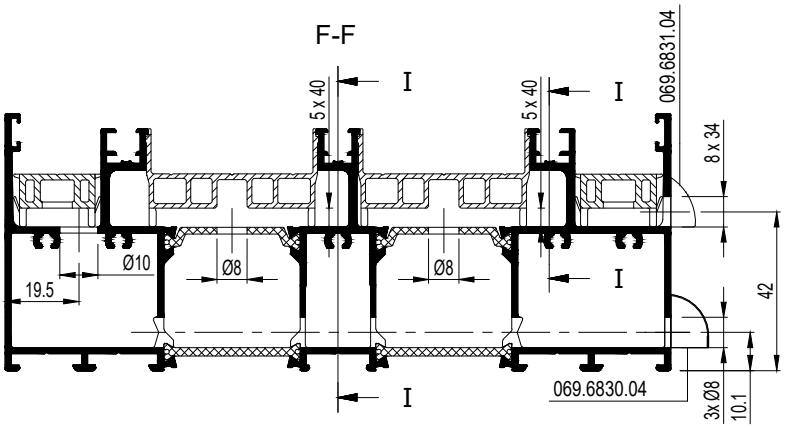
E-E



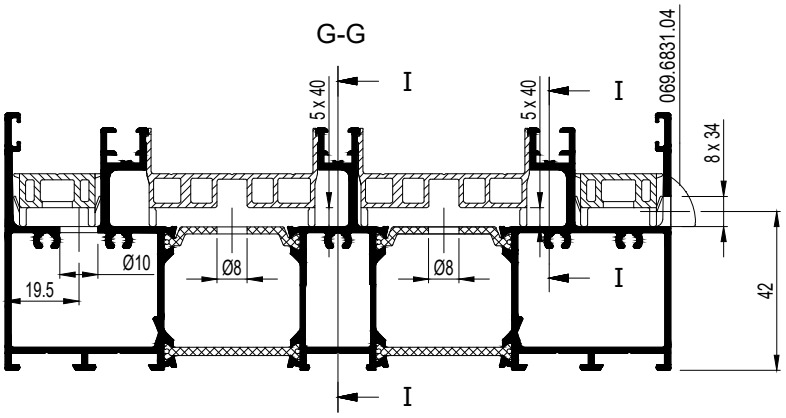
I-I



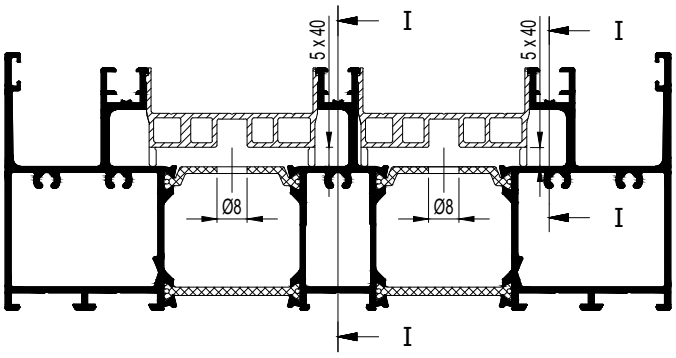
F-F



G-G



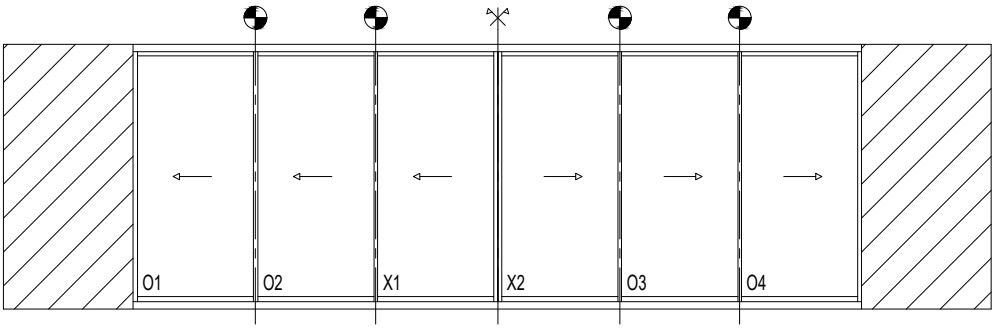
H-H

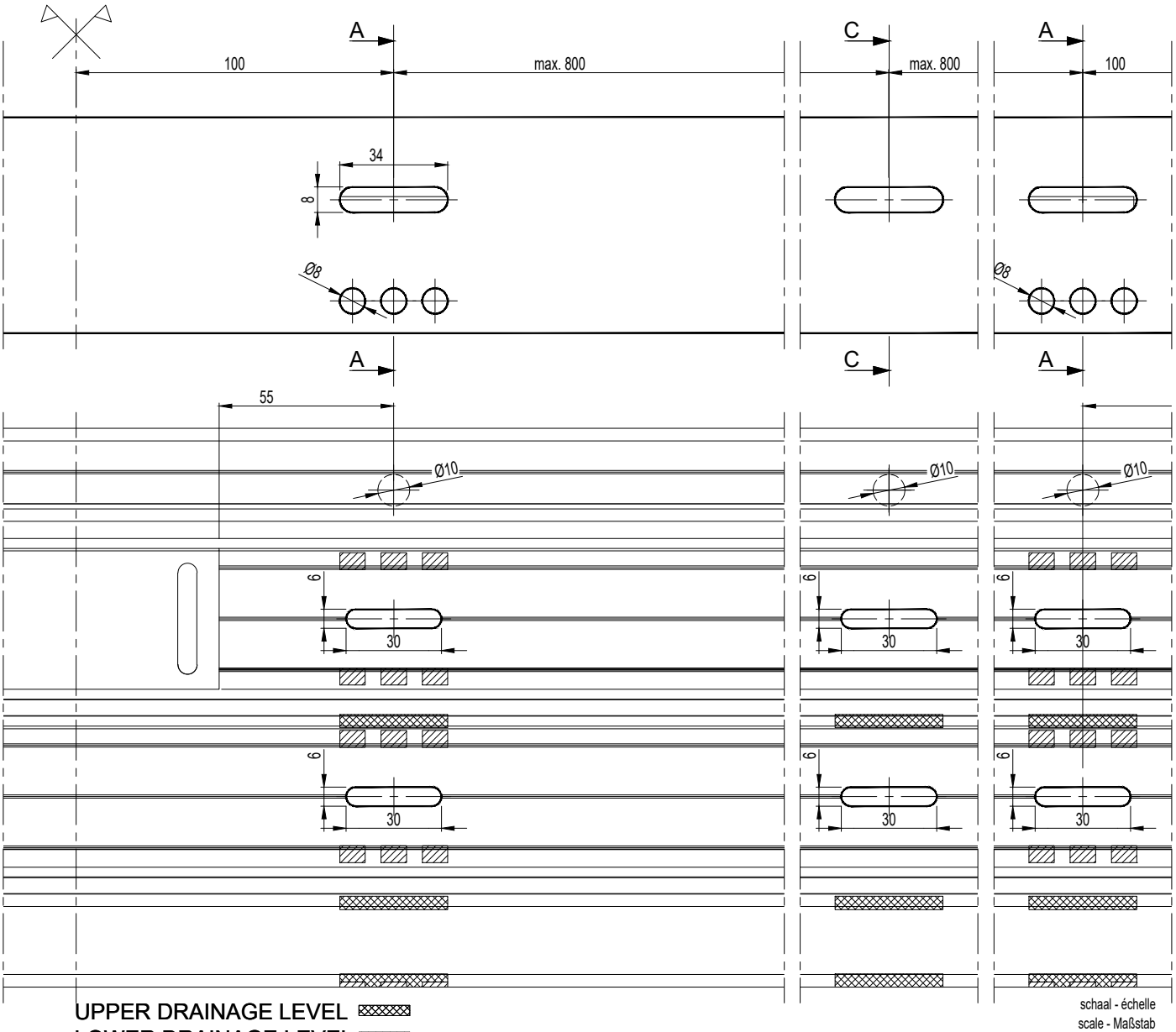


F

schaal - échelle
scale - Maßstab
1/2

1





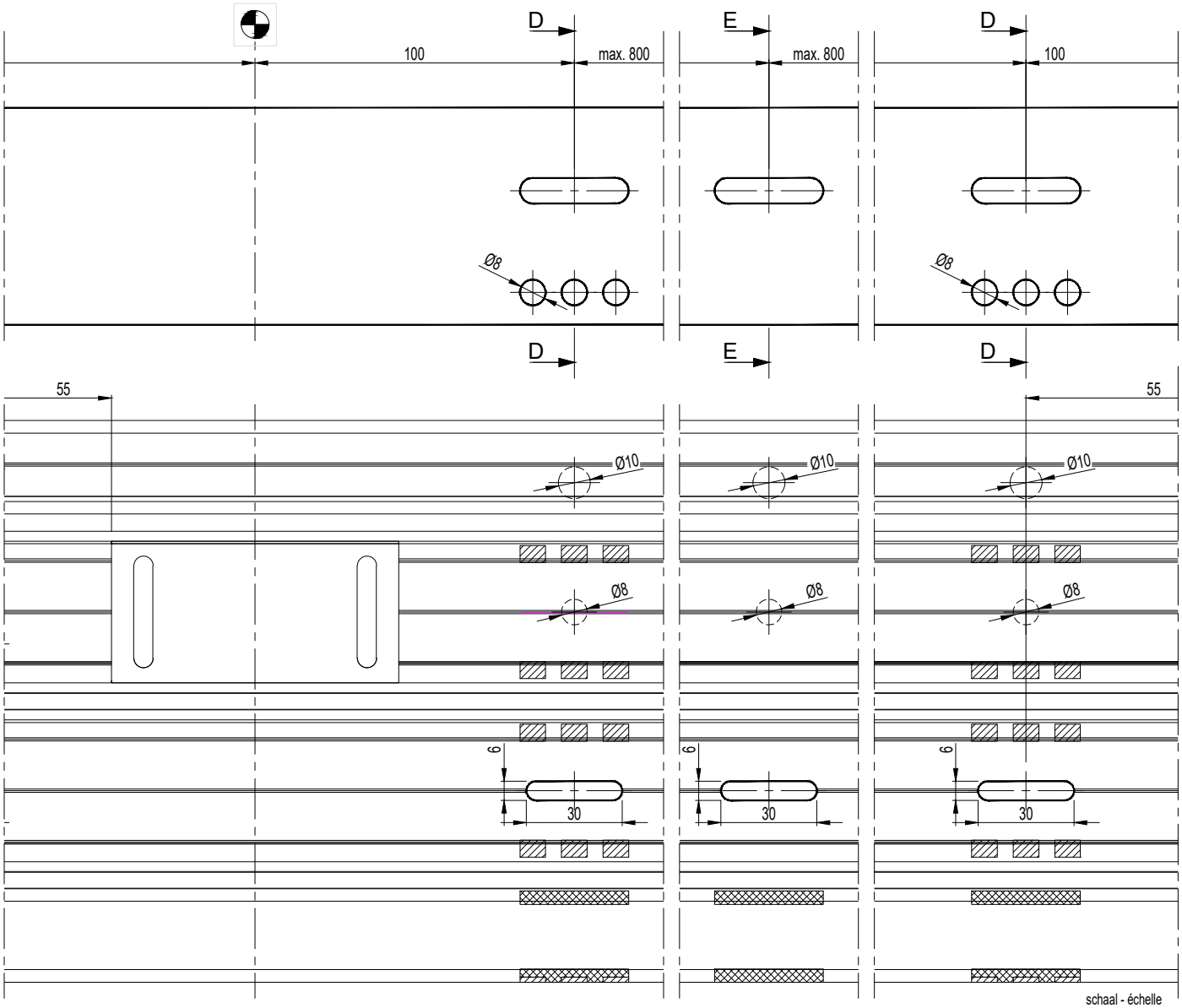
UPPER DRAINAGE LEVEL
LOWER DRAINAGE LEVEL

schaal - échelle
scale - Maßstab
1/2

F

1

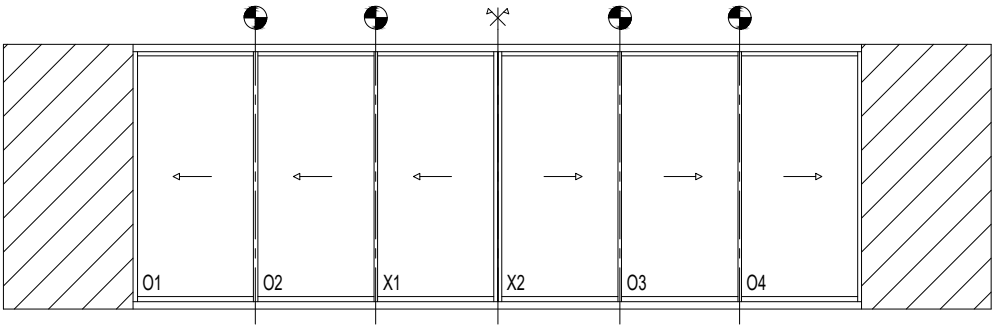
	SV/LV
197.D400.00	013.6325.XX 013.5330.SY 013.6835.SY
- -	
-	
097.0101.00 097.0817.00 097.0814.00	

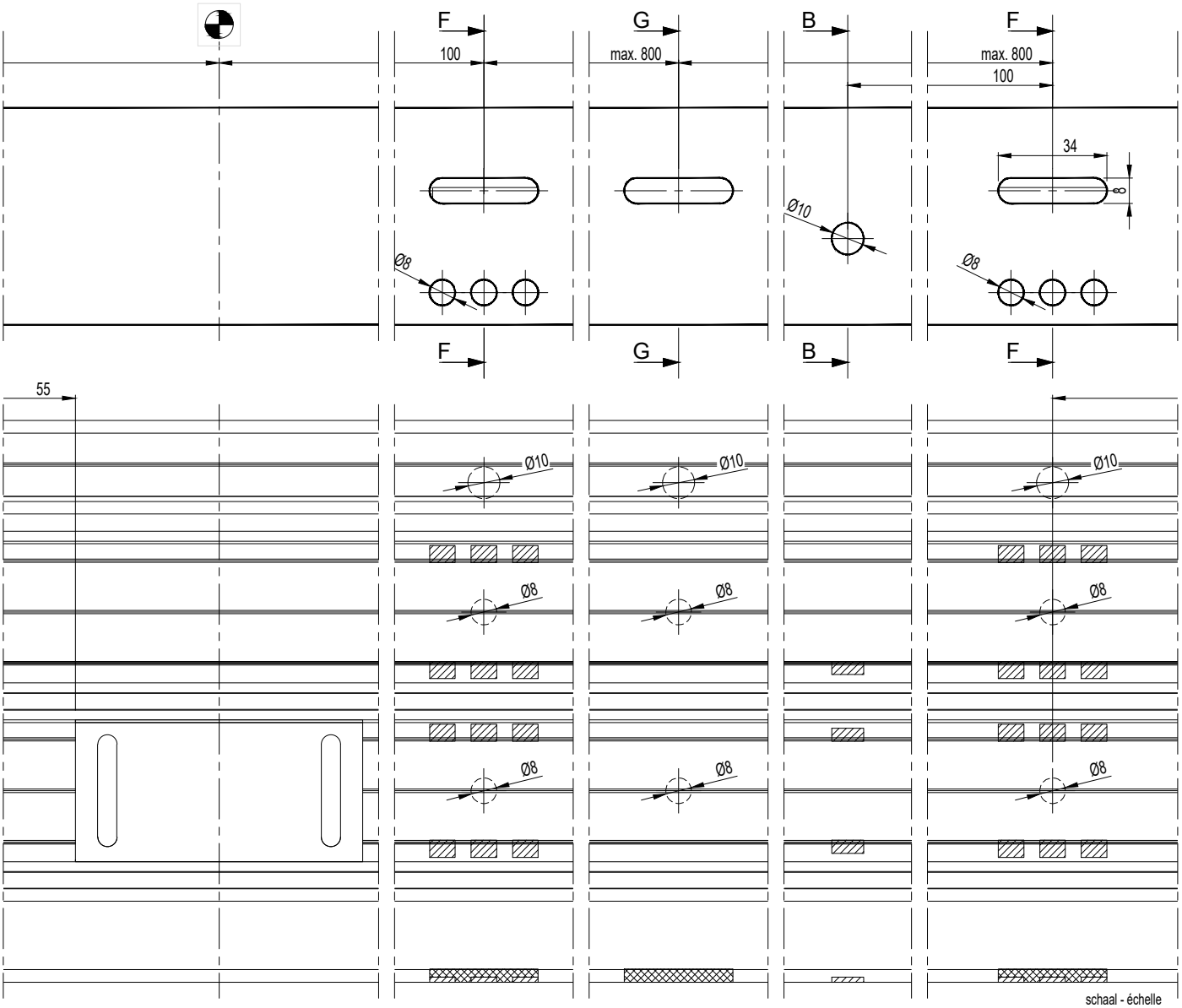


schaal - échelle
scale - Maßstab
1/2

F

1

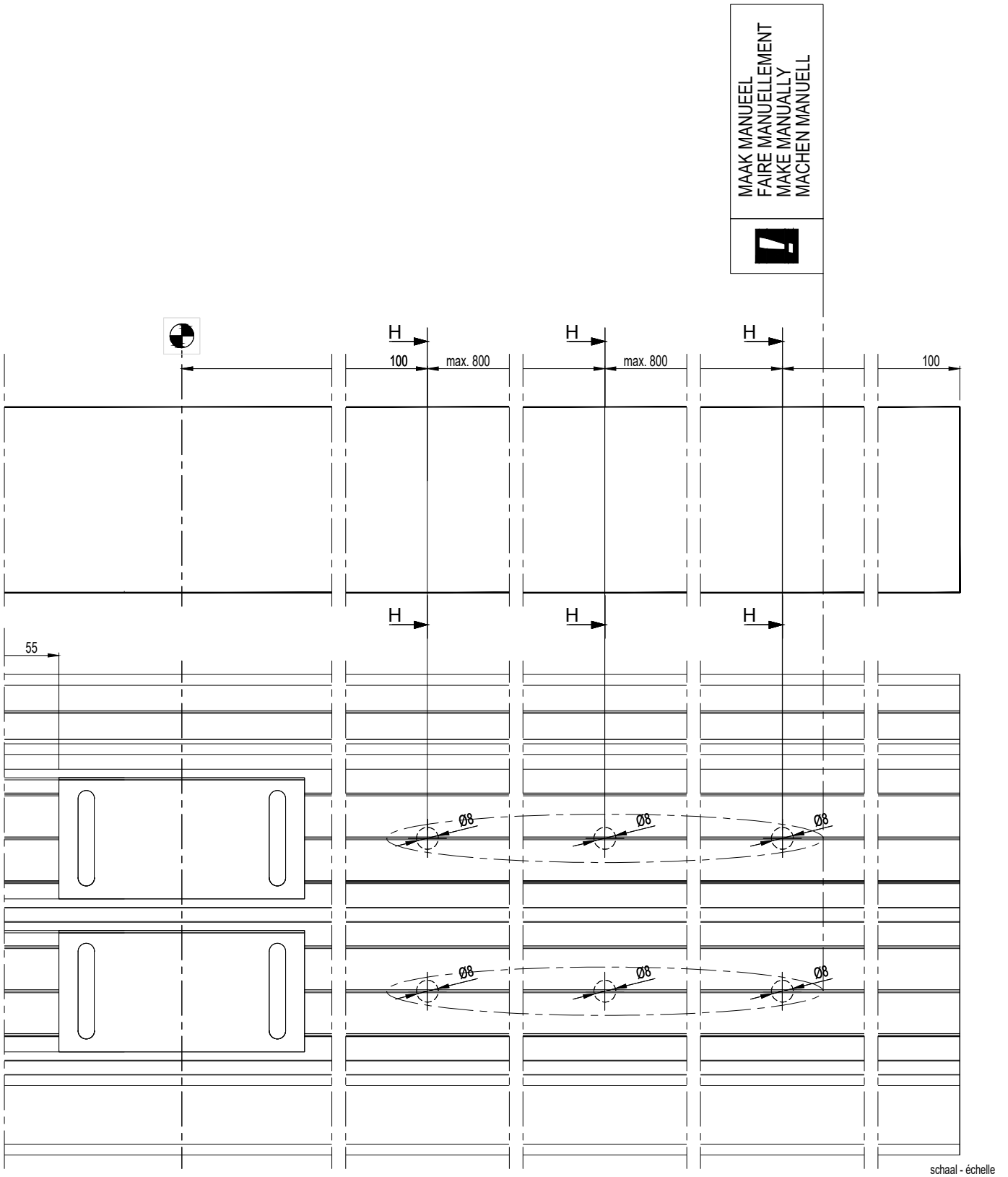




schaal - échelle
scale - Maßstab
1/2

F

1

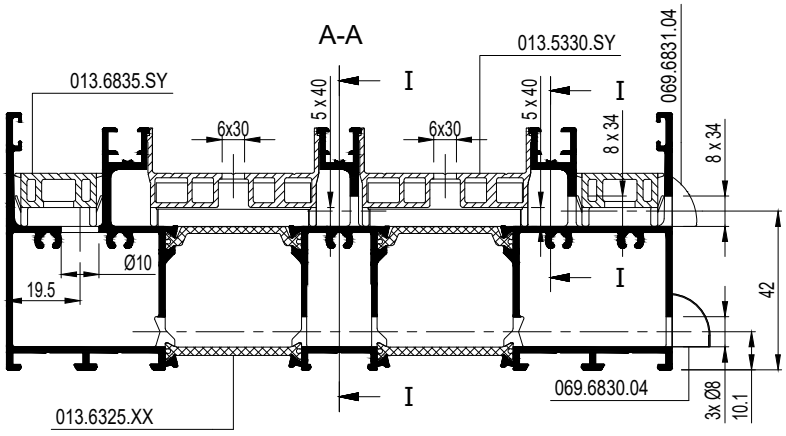


schaal - échelle
scale - Maßstab
1/2

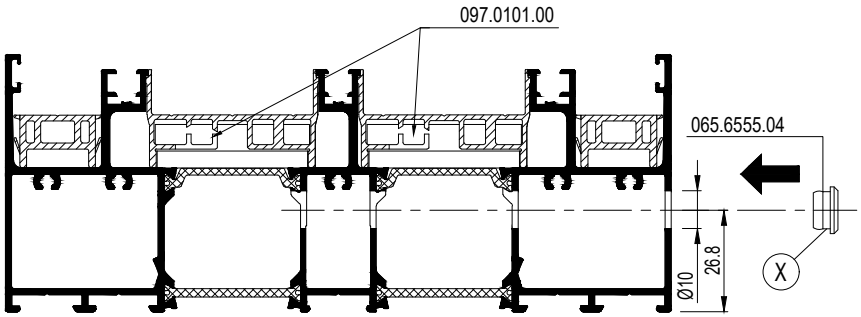
F

1

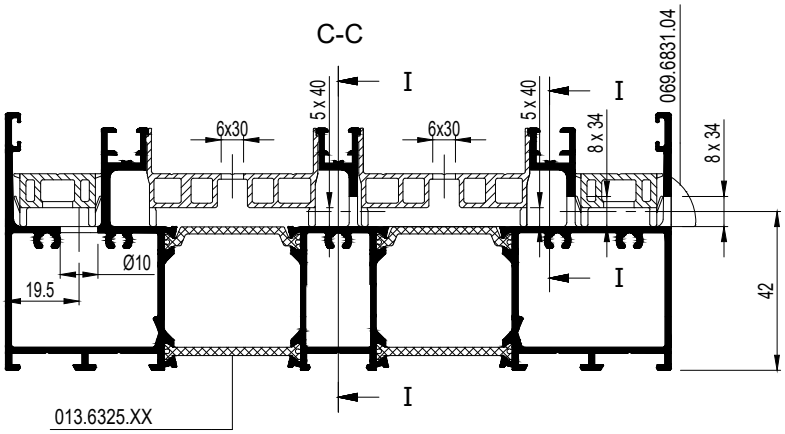
A-A



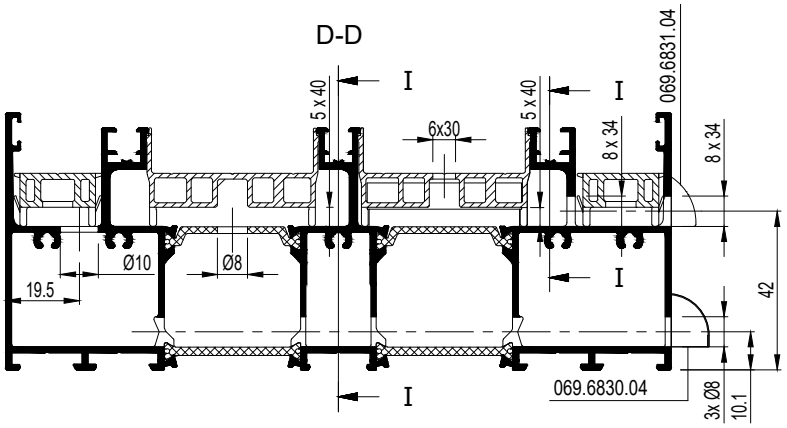
B-B



C-C



D-D

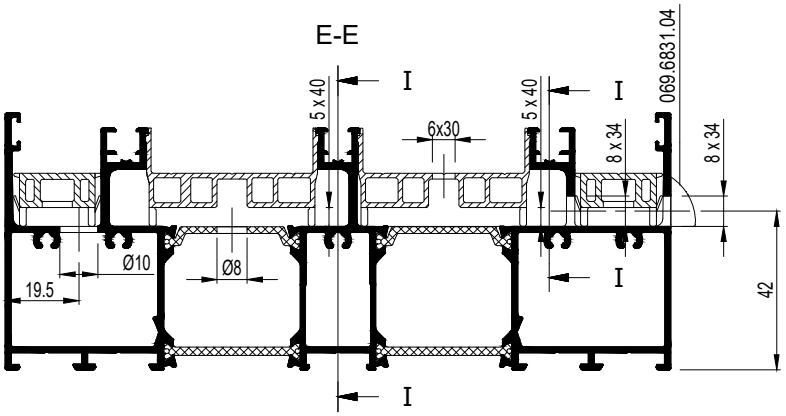


F

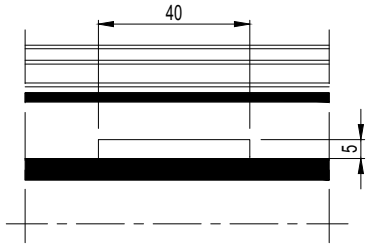
schaal - échelle
scale - Maßstab
1/2

1

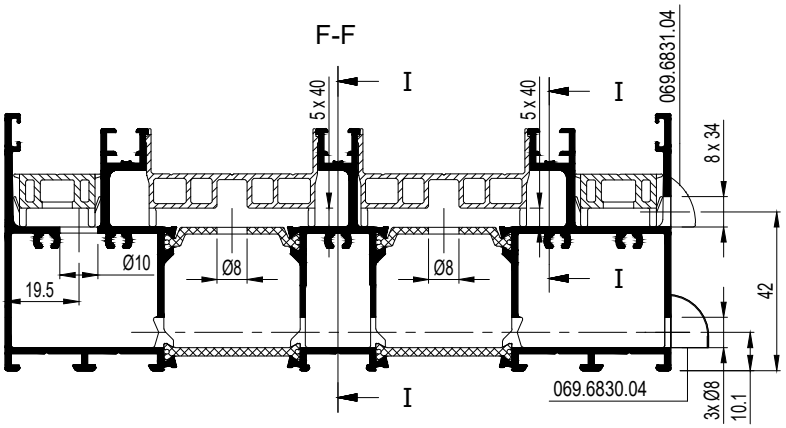
E-E



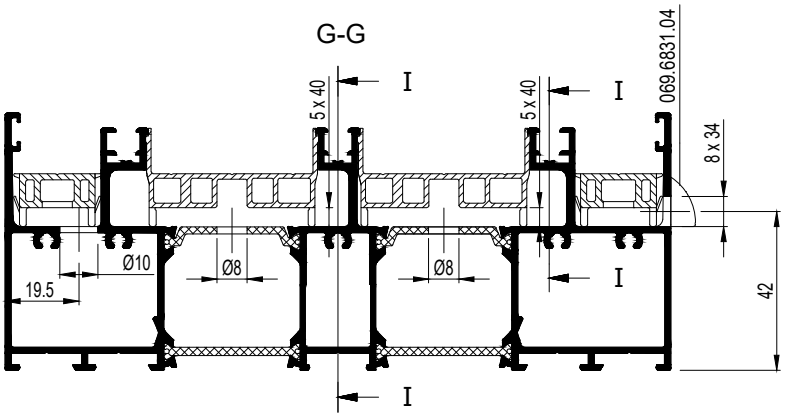
I-I



F-F



G-G



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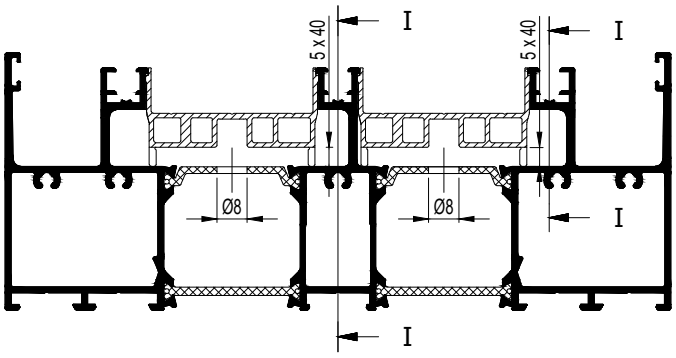
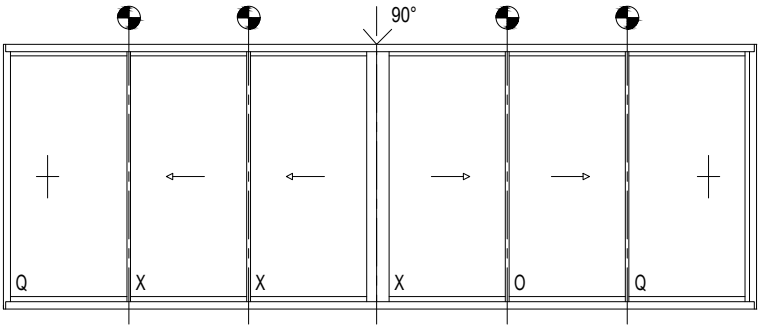
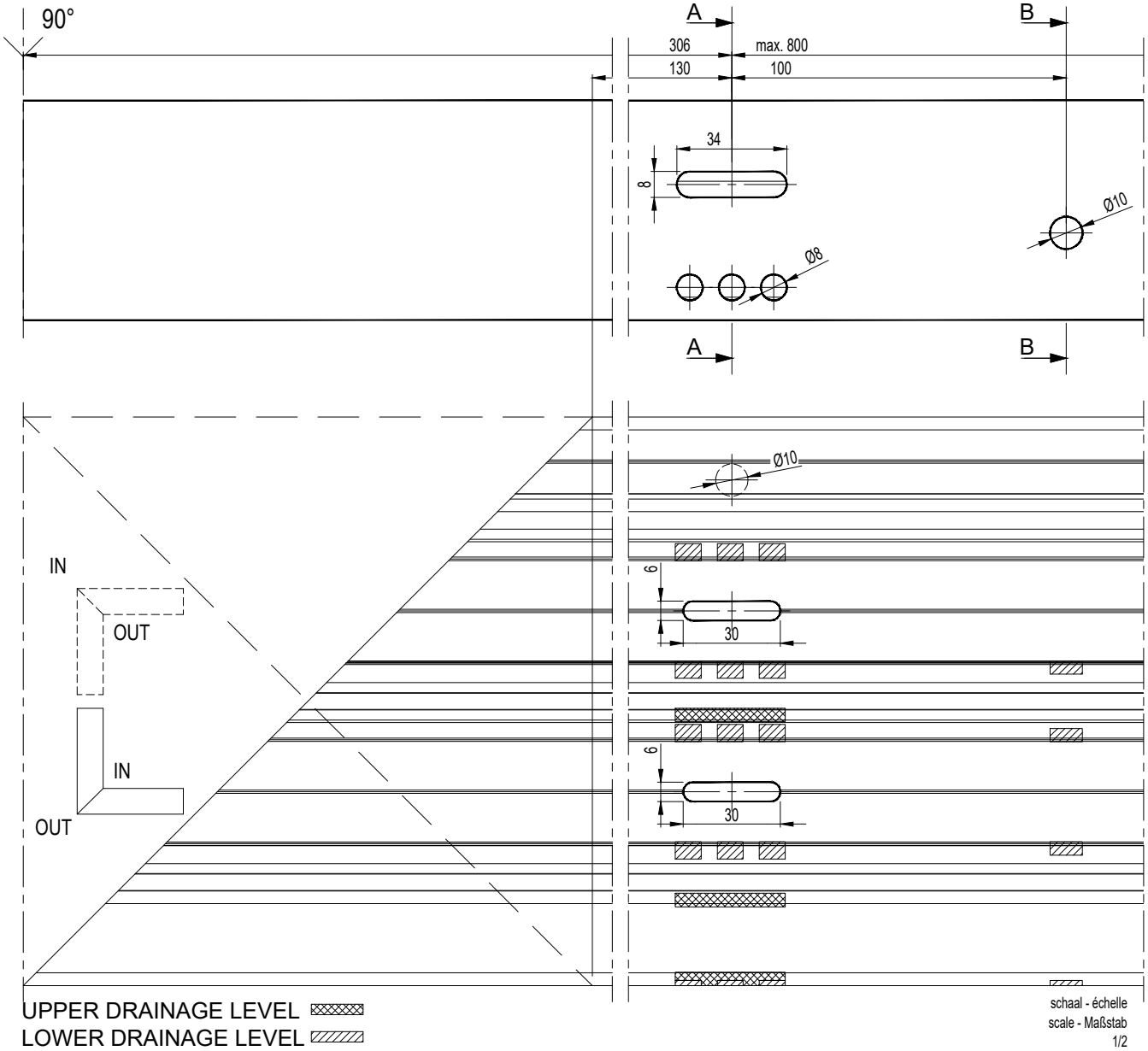


schaal - échelle
scale - Maßstab
1/2

F

1


90°
Q
X
X
X
O
Q


90°
A
B
306
130
max. 800
100
34
8
Ø10
Ø8
A
B
Ø10
6
30
6
30
IN
OUT
IN
OUT
UPPER DRAINAGE LEVEL
LOWER DRAINAGE LEVEL
schaal - échelle
scale - Maßstab
1/2

F

1

	SV/LV
197.D400.00	013.6325.XX 013.5330.SY 013.6835.SY
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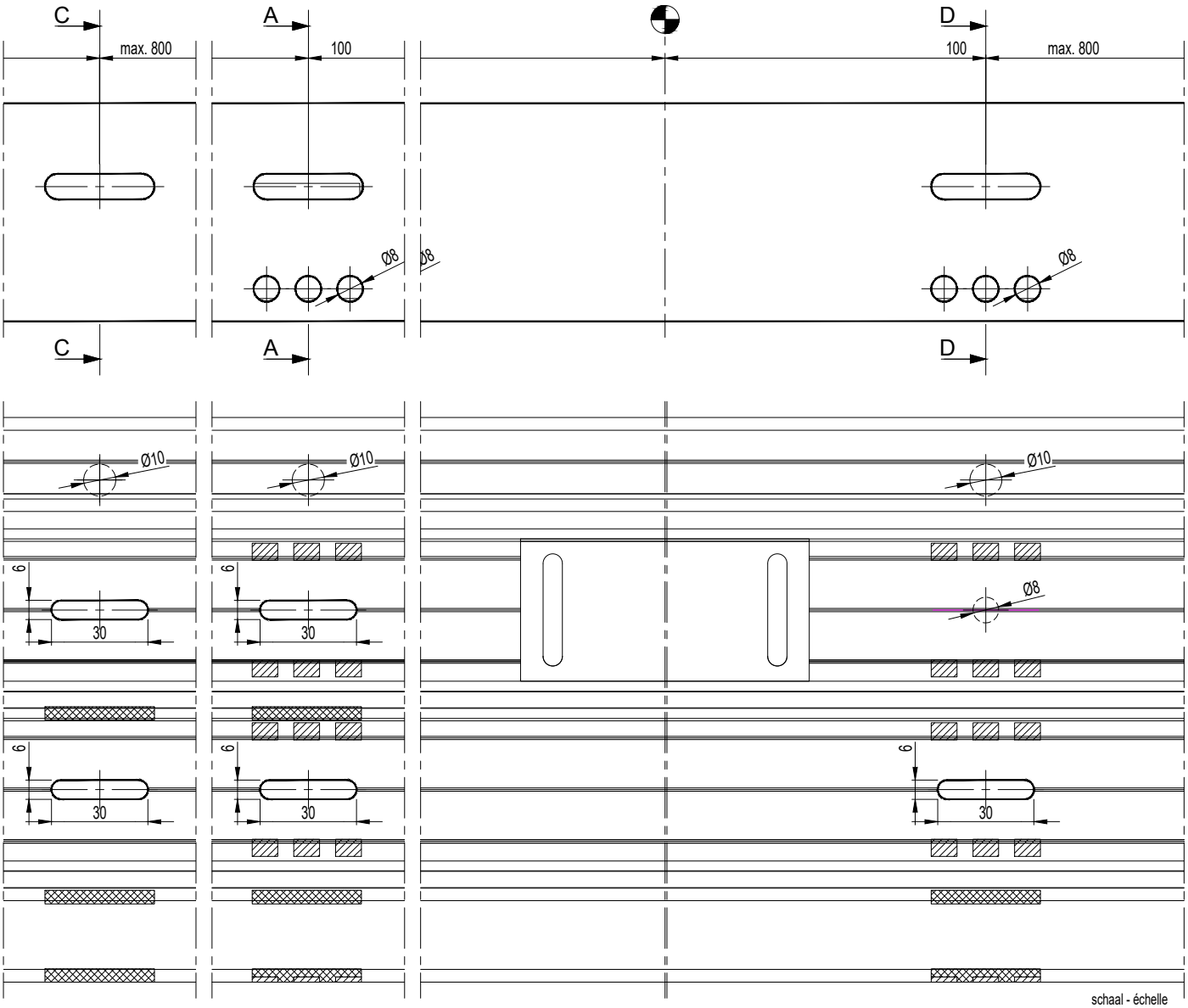
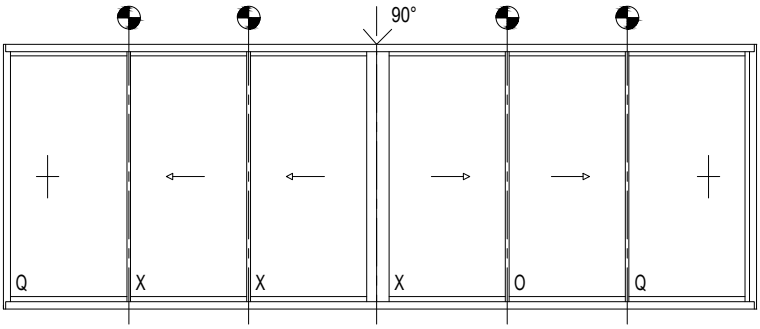
097.0101.00 097.0817.00 097.0814.00	

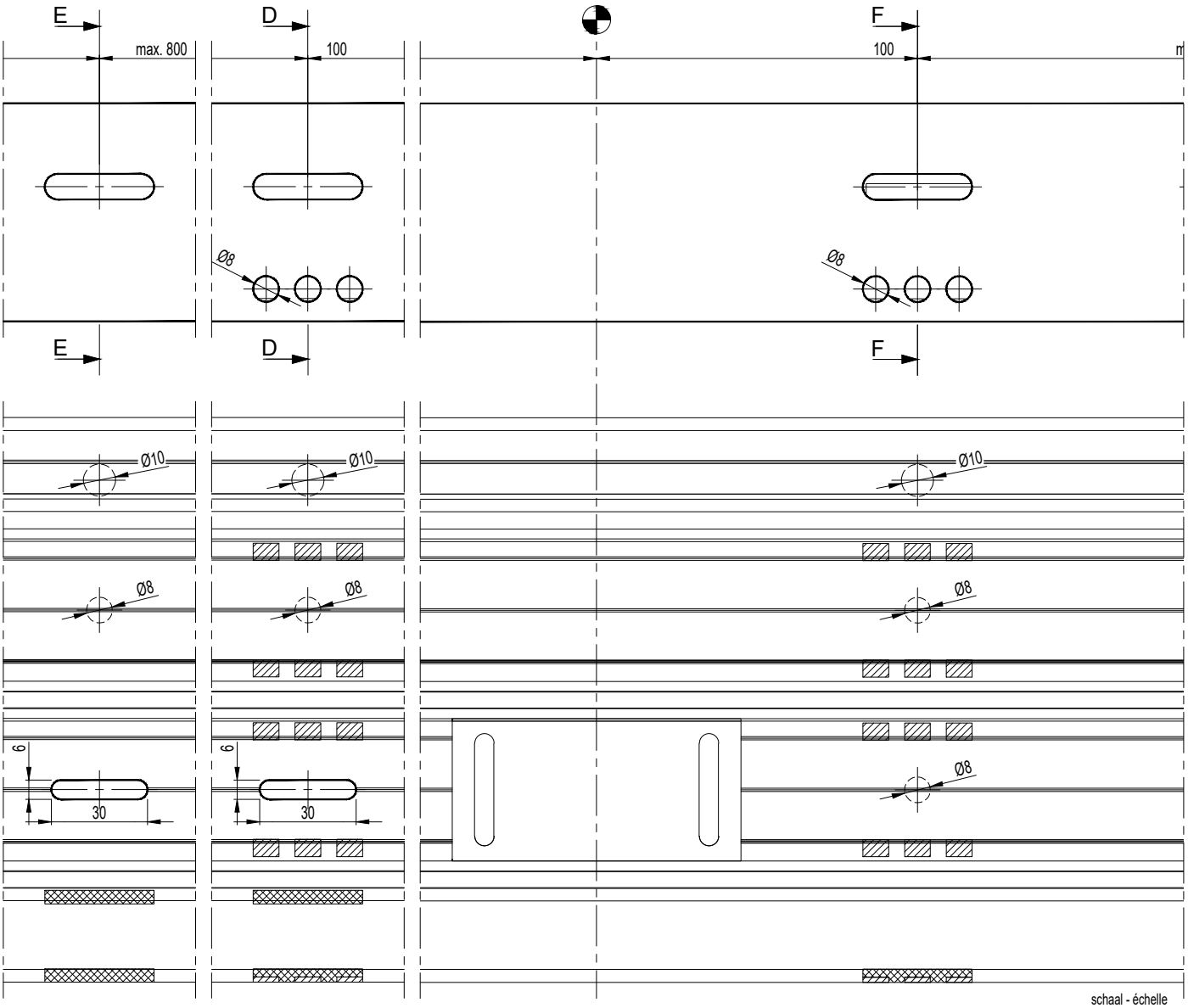


schaal - échelle
scale - Maßstab
1/2

F

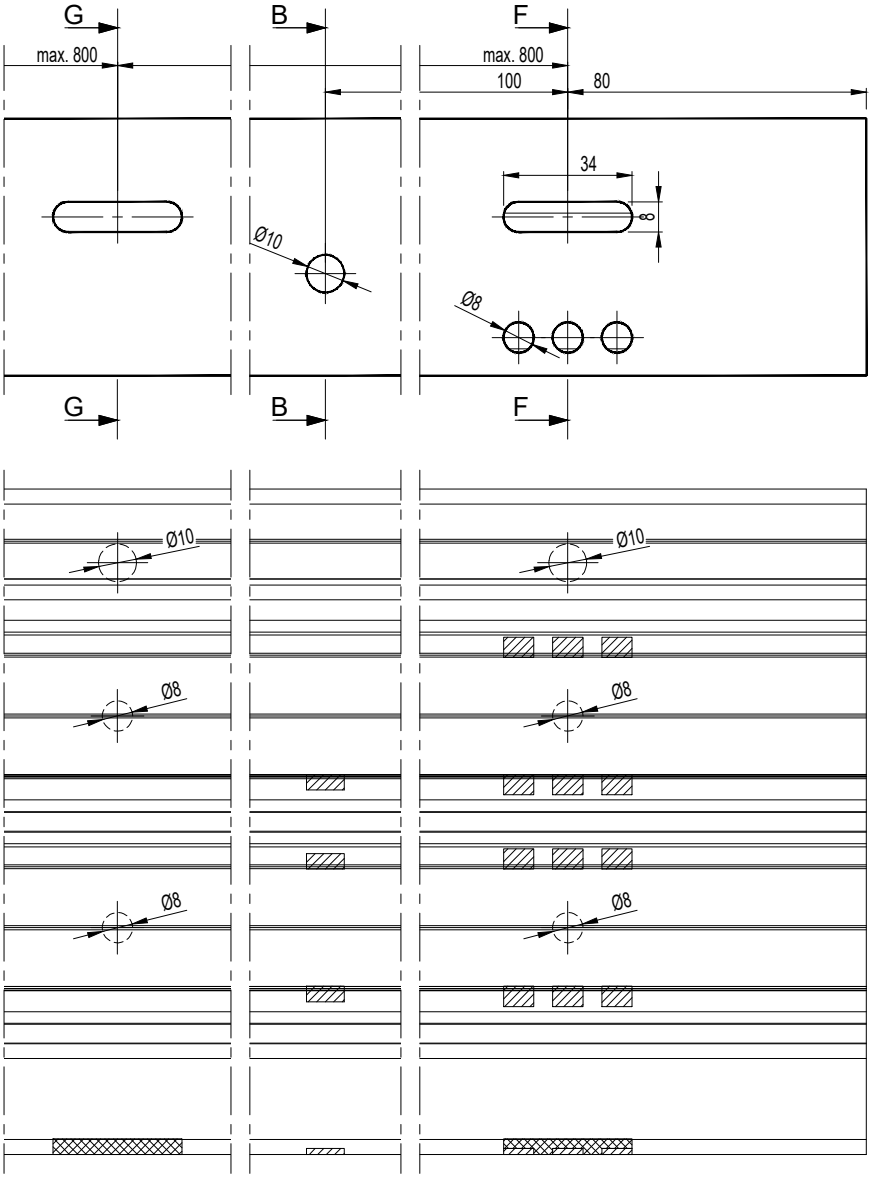
1





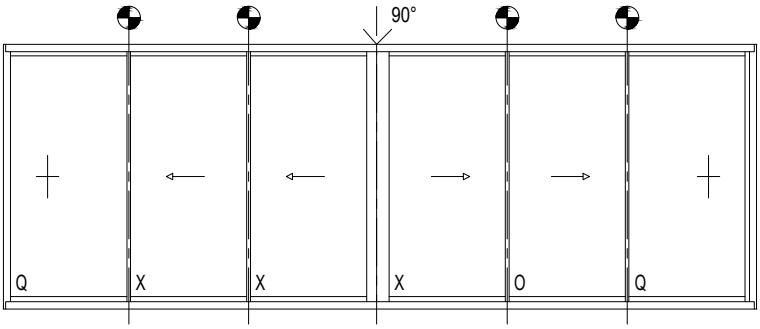
schaal - échelle
scale - Maßstab
1/2

F

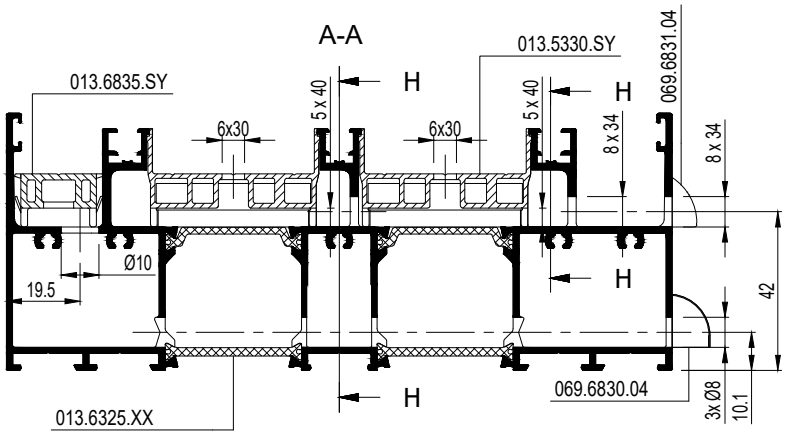


schaal - échelle
scale - Maßstab
1/2

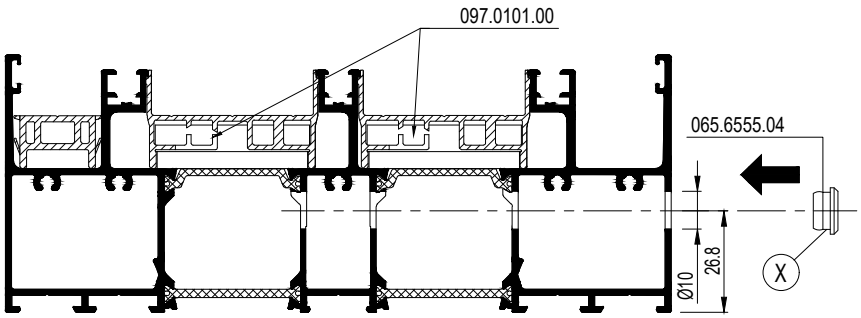
1



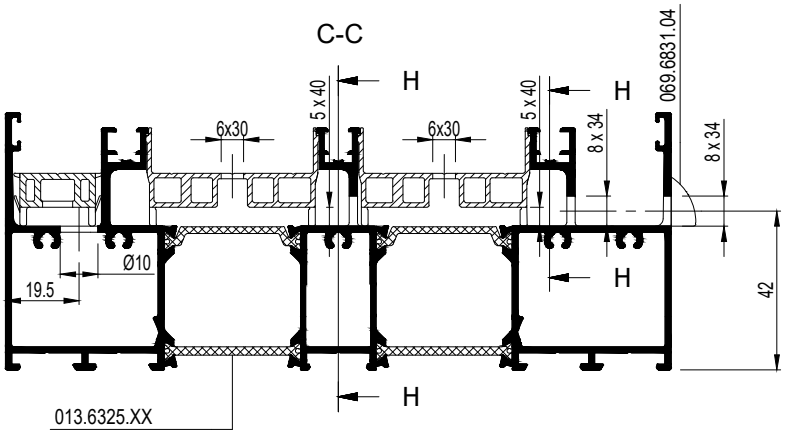
A-A



B-B



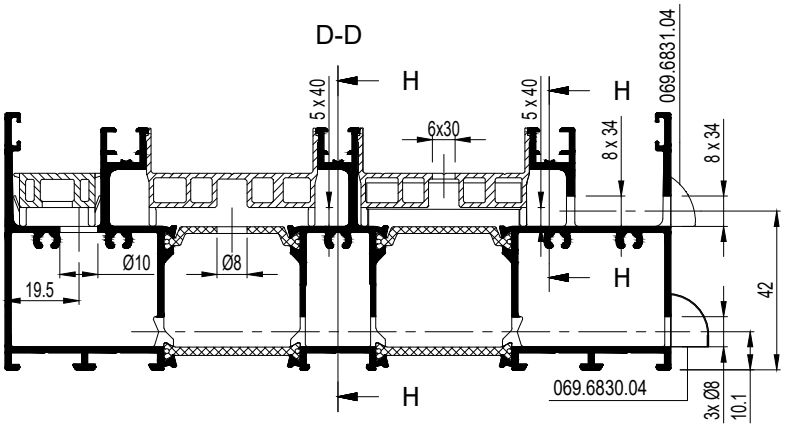
C-C



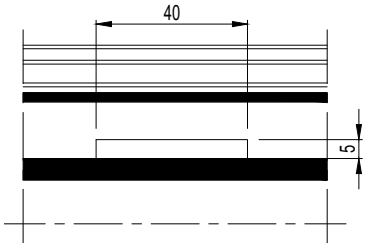
F

schaal - échelle
scale - Maßstab
1/2

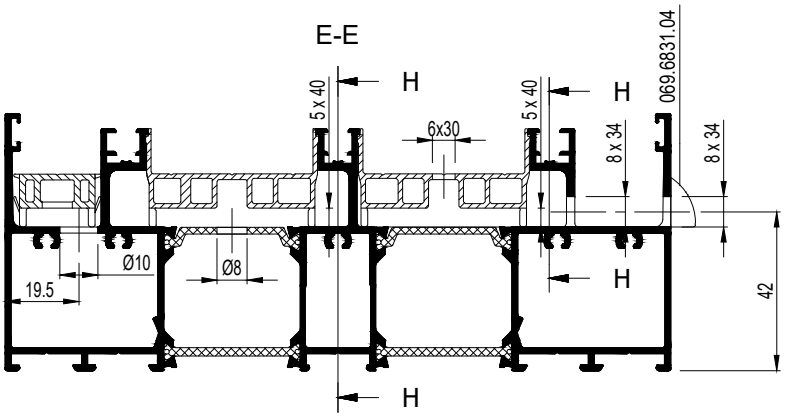
D-D



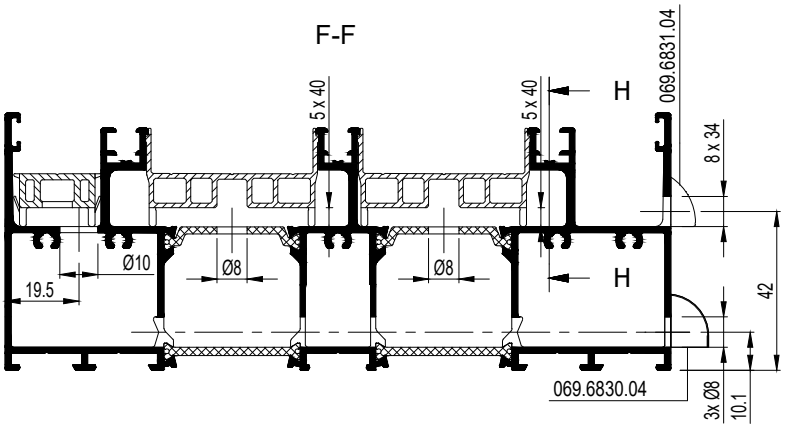
H-H



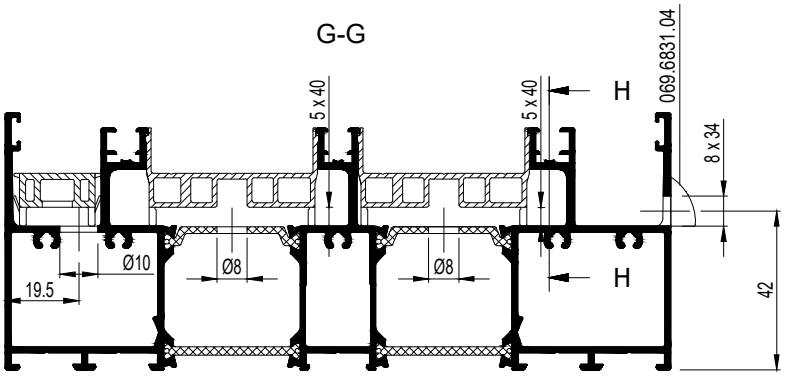
E-E



F-F

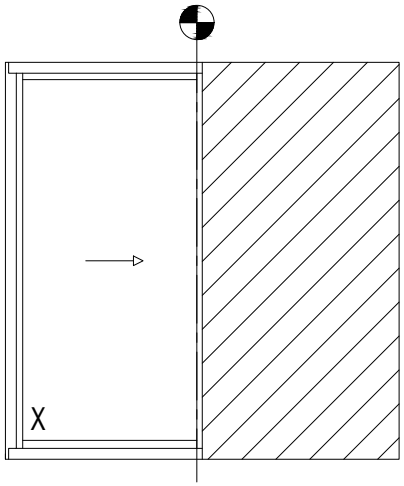


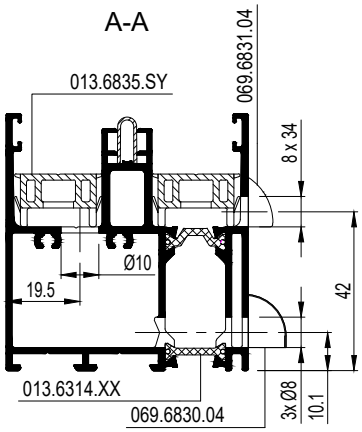
G-G

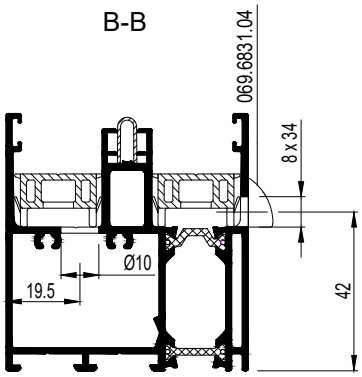


schaal - échelle
scale - Maßstab
1/2

1







	SV/LV
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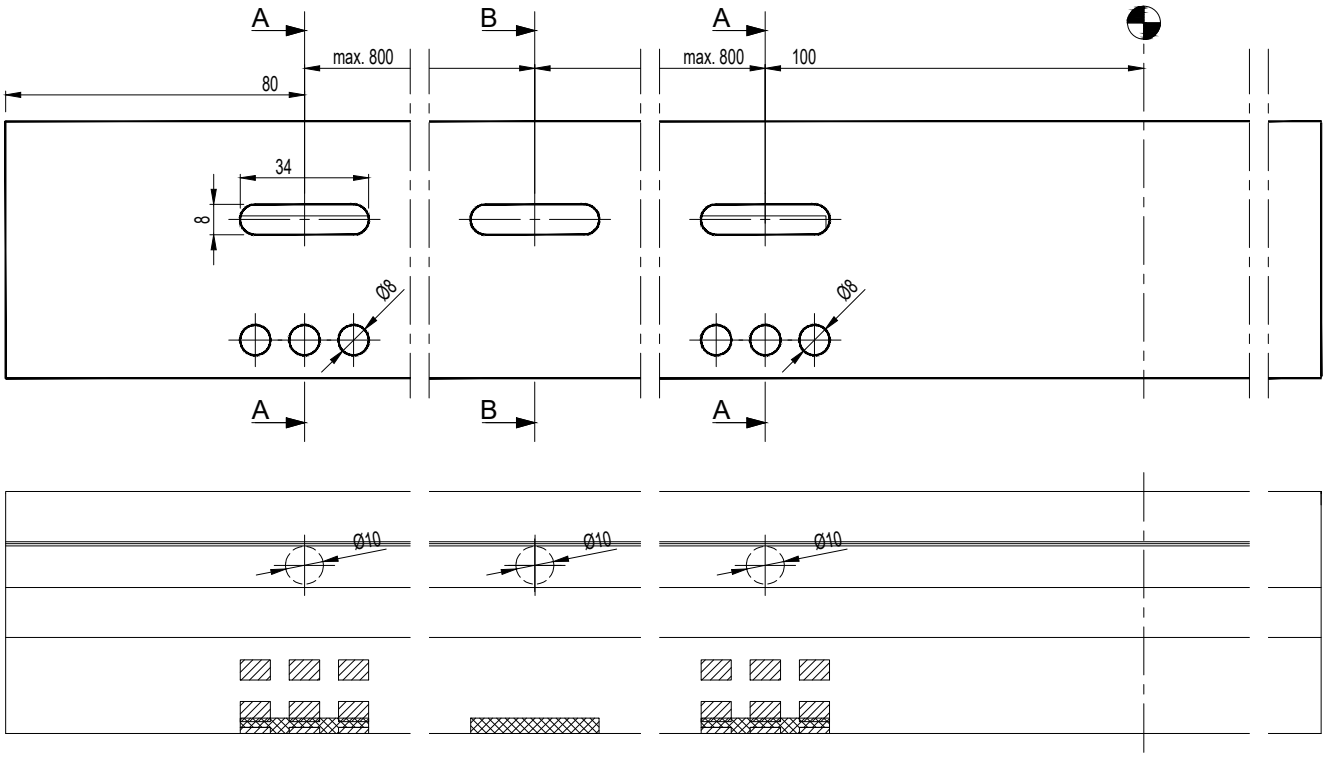
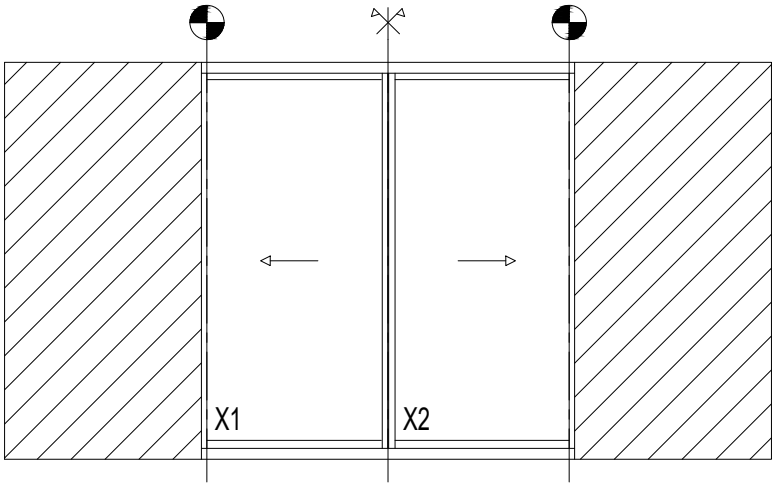
097.0101.00 097.0817.00 097.0814.00	

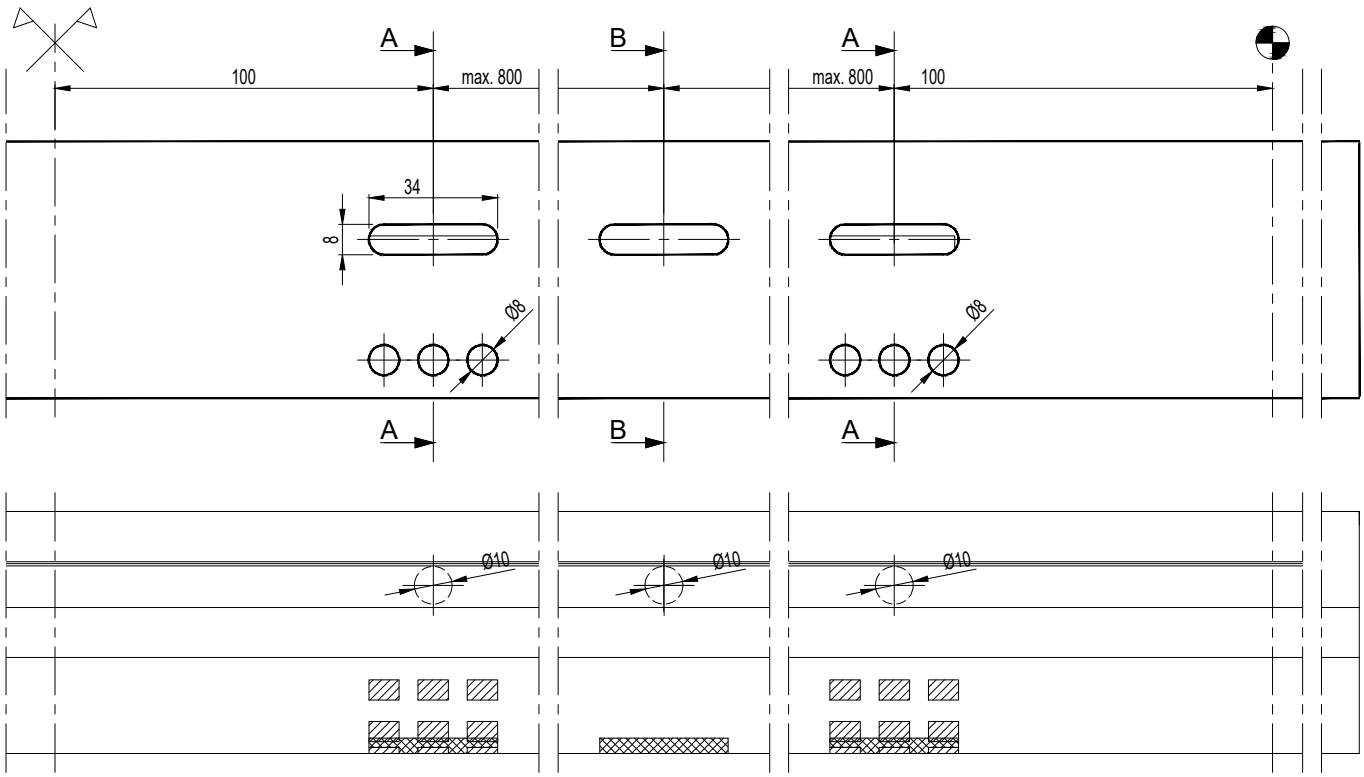


schaal - échelle
scale - Maßstab
1/2

F

1

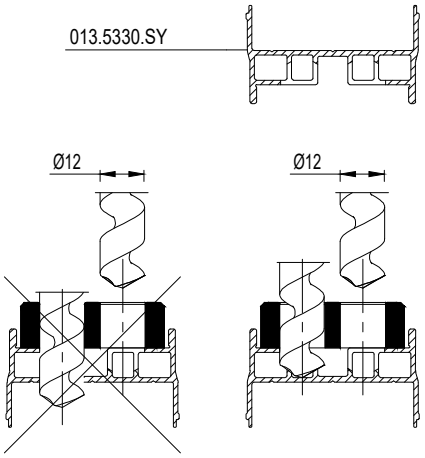


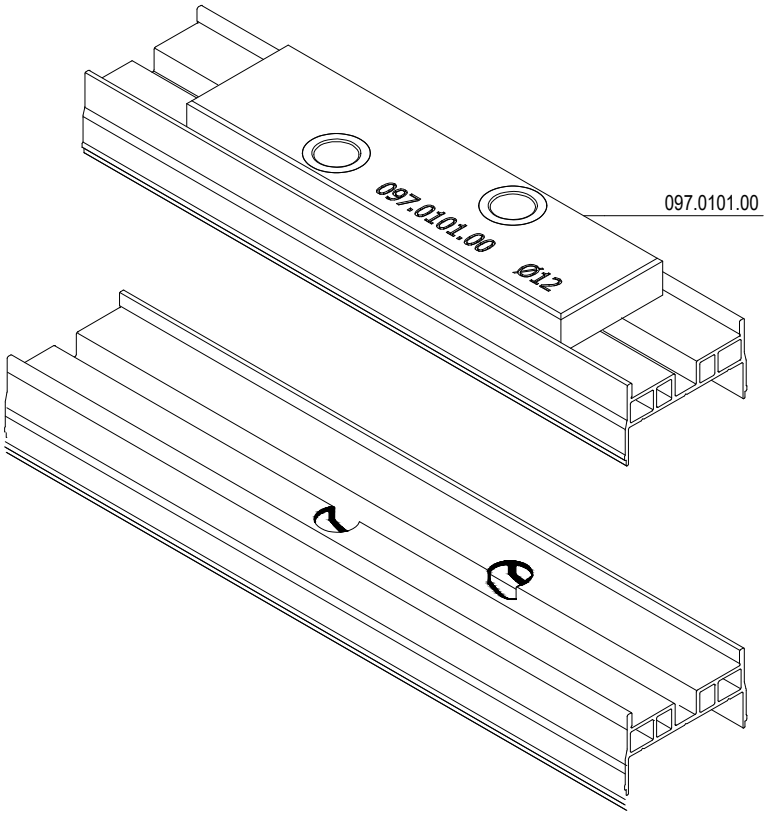


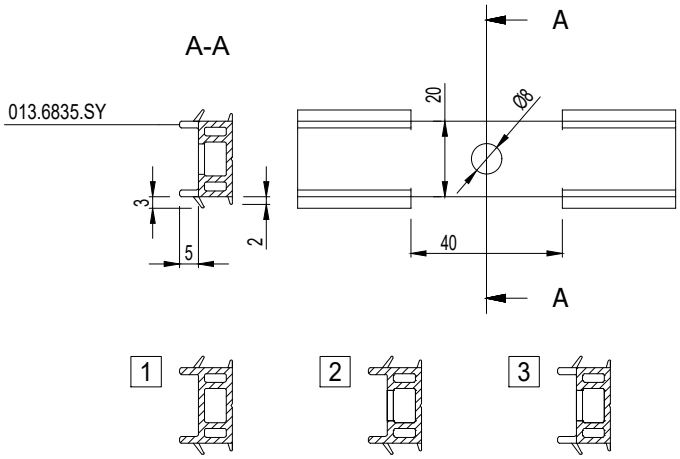
F

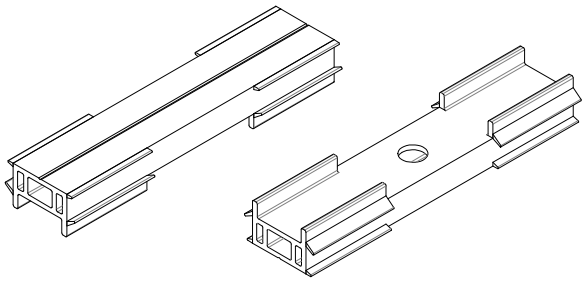
schaal - échelle
scale - Maßstab
1/2

2 3

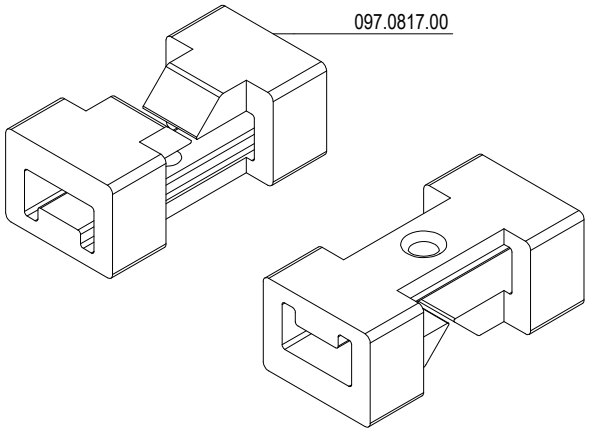








1 2 3



	SV/LV
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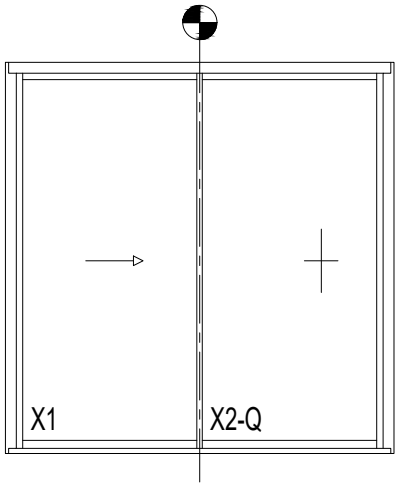
097.0101.00 097.0817.00	

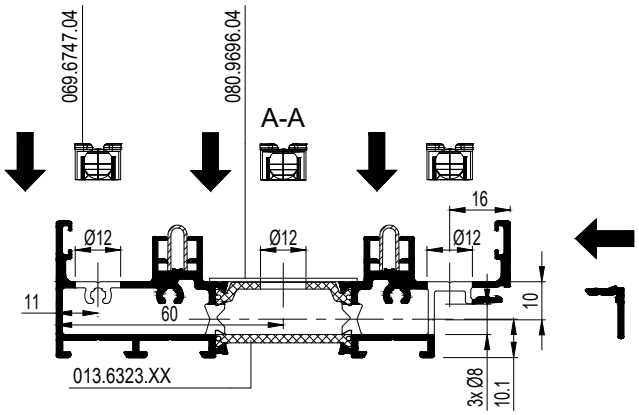
MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

schaal - échelle
scale - Maßstab
1/2

schaal - échelle
scale - Maßstab
1/2

1





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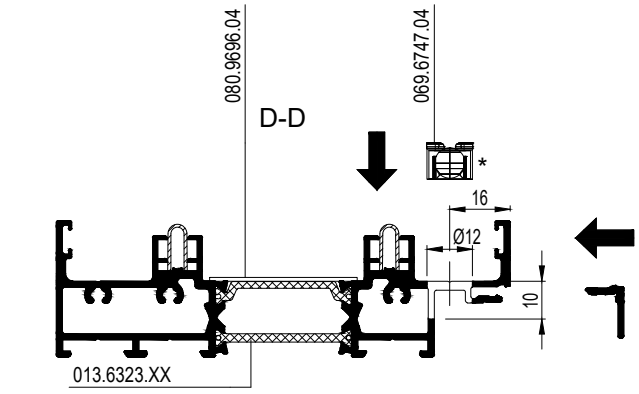

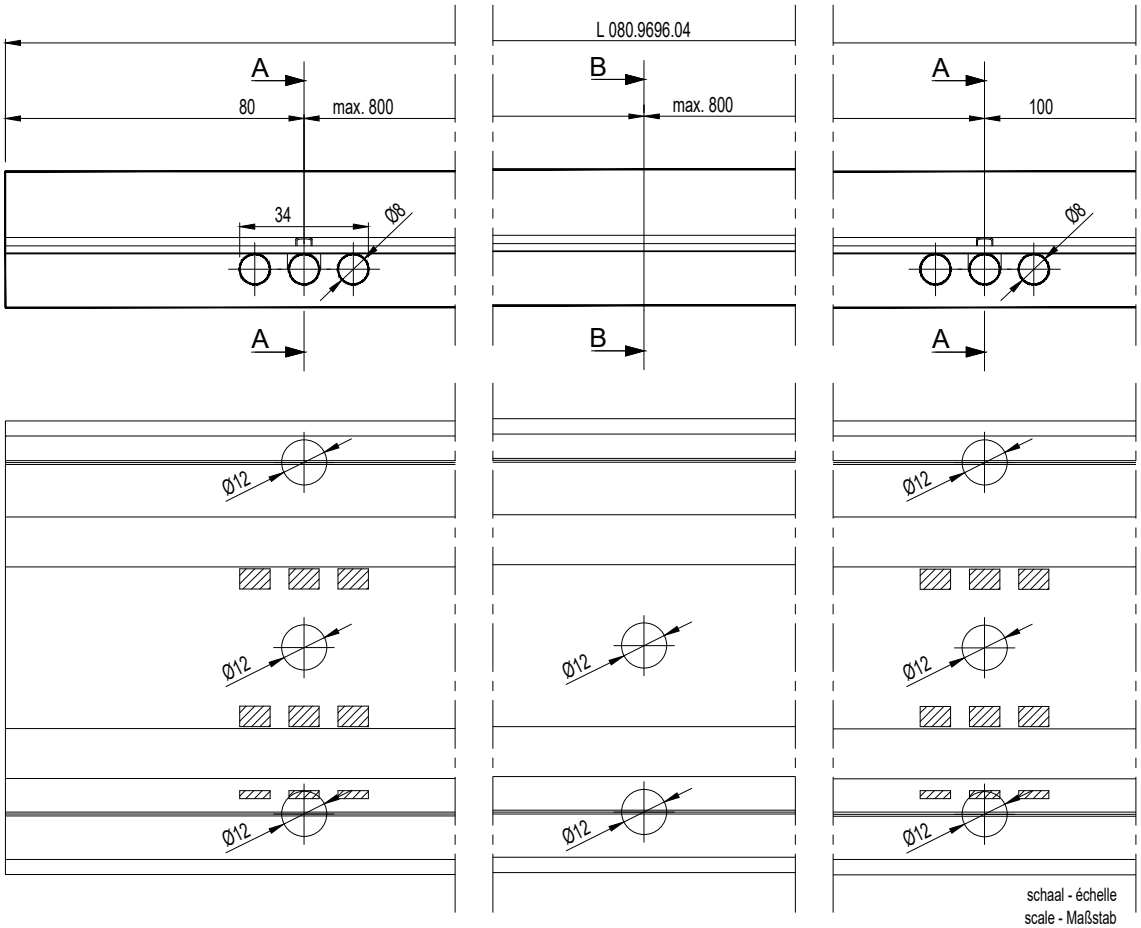

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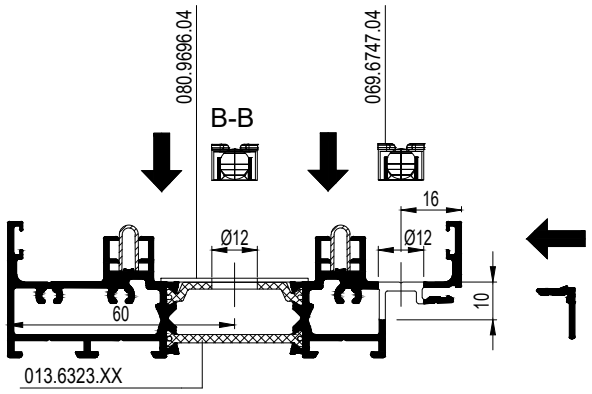
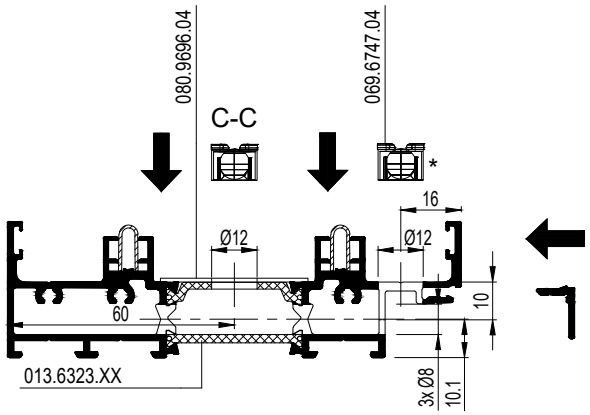
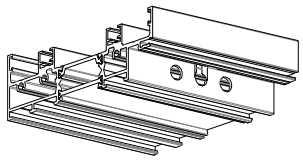
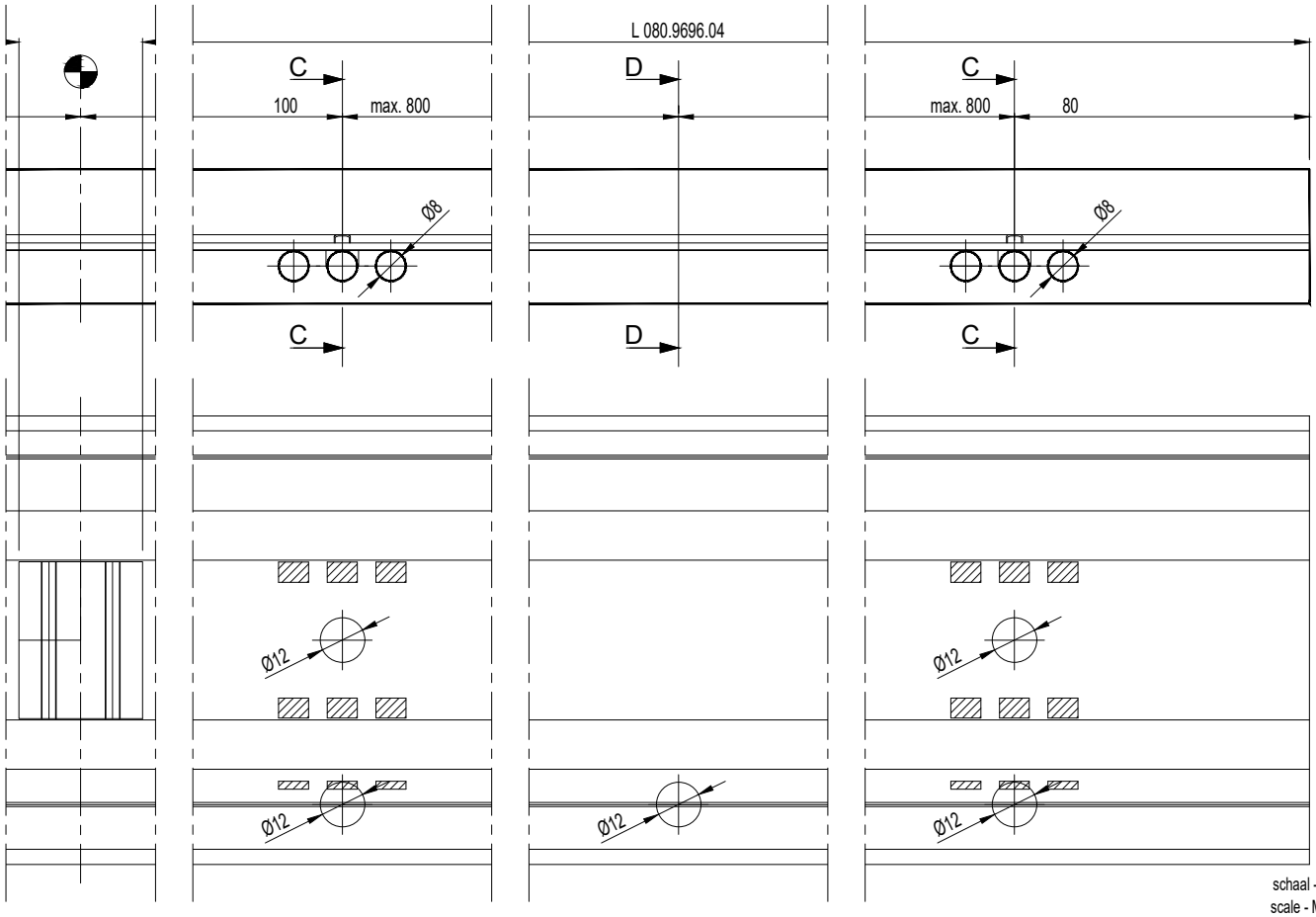






* ALLEEN BIJ XX
* SEULEMENT POUR XX
* ONLY FOR XX
* NUR FUR XX

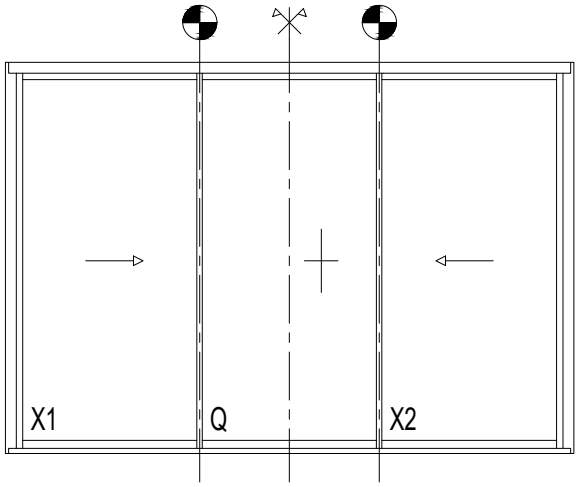
PLAATS GEEN EPDM 080.9696.04 ONDER DE BORSTEL 081.9235.04
NE MONTER PAS DES EPDM 080.9696.04 SOUS LA BROSSE 081.9235.04
DONT PLACE EPDM 080.9696.04 UNDERNEATH THE BRUSH 081.9235.04
MONTIEREN SIE KEINE EPDM 080.9696.04 UNTEN DIE BURSTEN 081.9235.04

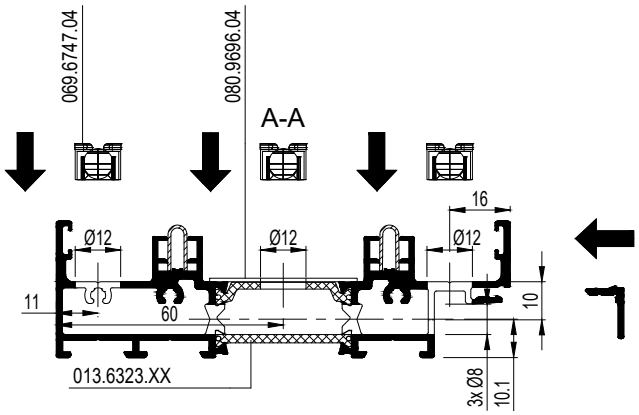


schaal - échelle
scale - Maßstab
1/2

F

1





	SV/LV
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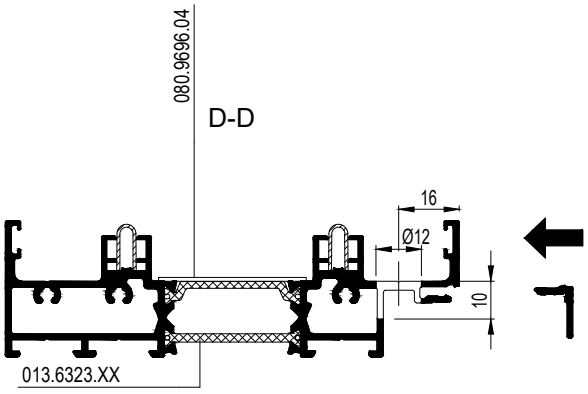
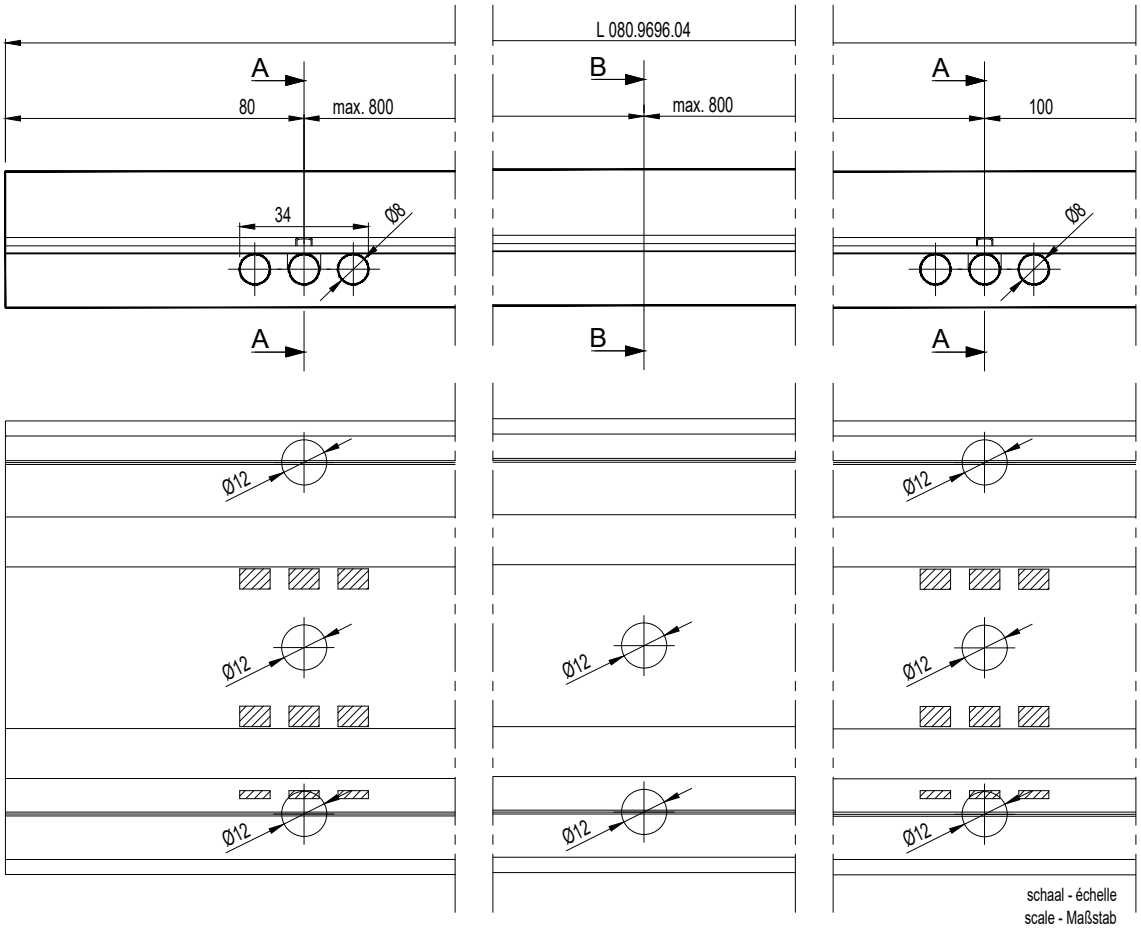
097.0355.00 097.0357.00	





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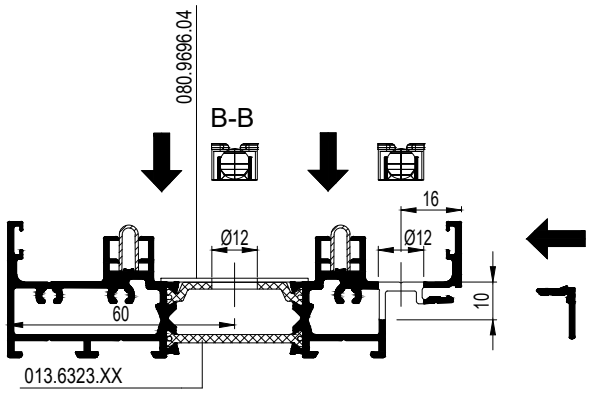
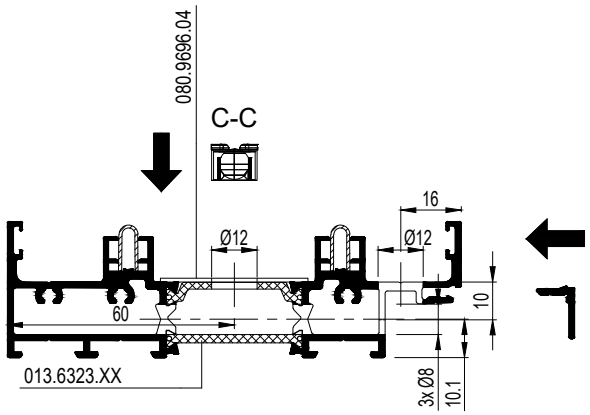
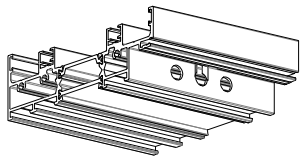
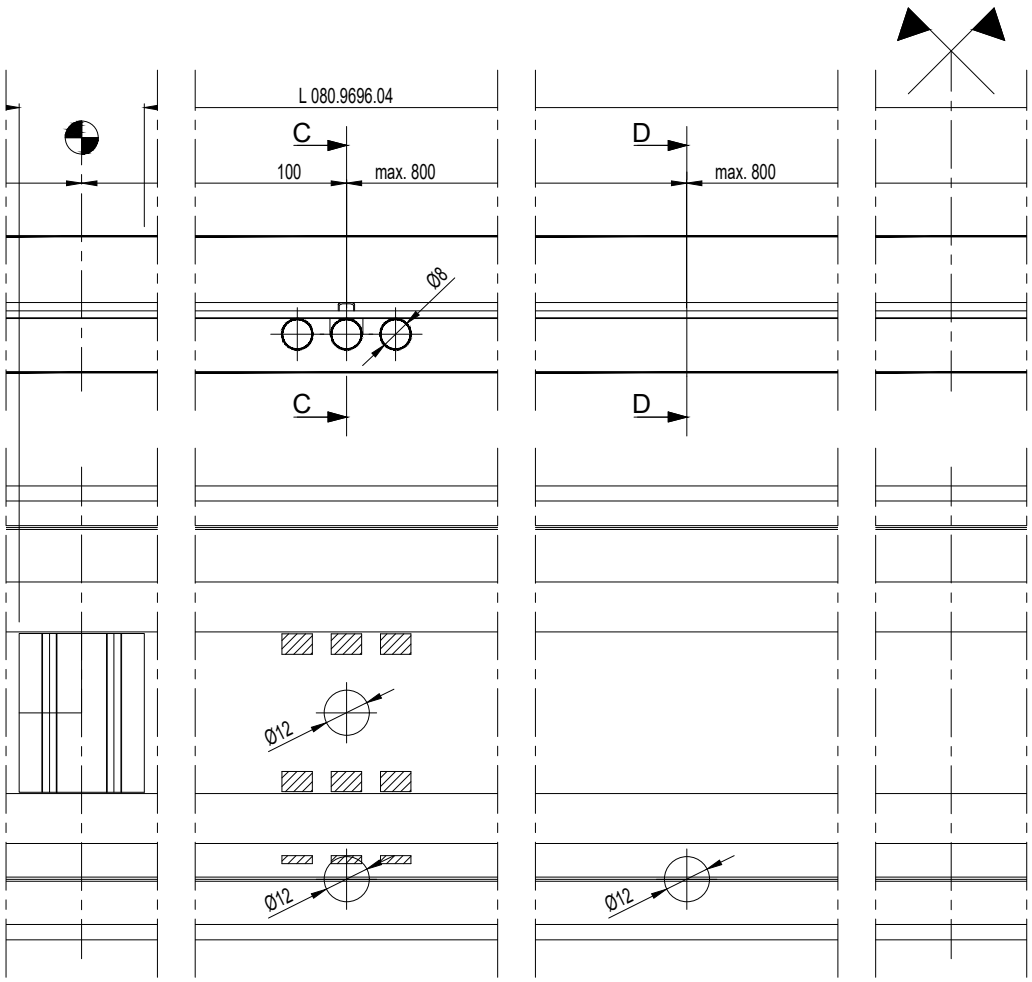






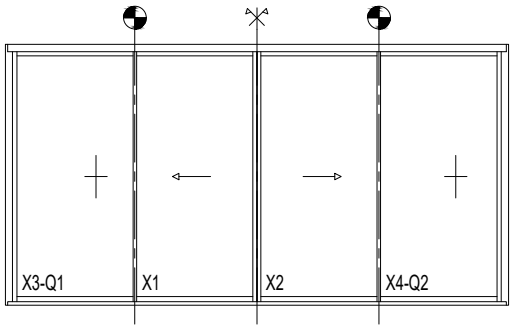
PLAATS GEEN EPDM 080.9696.04 ONDER DE BORSTEL 081.9235.04
NE MONTER PAS DES EPDM 080.9696.04 SOUS LA BROSSE 081.9235.04
DONT PLACE EPDM 080.9696.04 UNDERNEATH THE BRUSH 081.9235.04
MONTIEREN SIE KEINE EPDM 080.9696.04 UNTEN DIE BURSTEN 081.9235.04

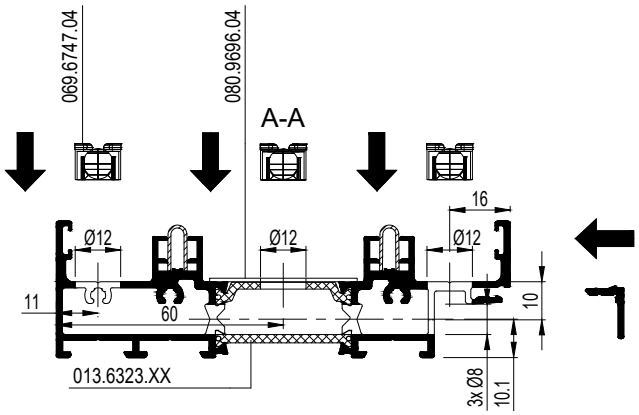


schaal - échelle
scale - Maßstab
1/2

F

1





	SV/LV
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- -	
-	
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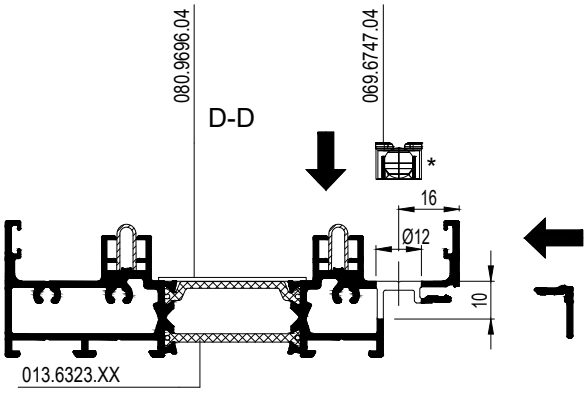
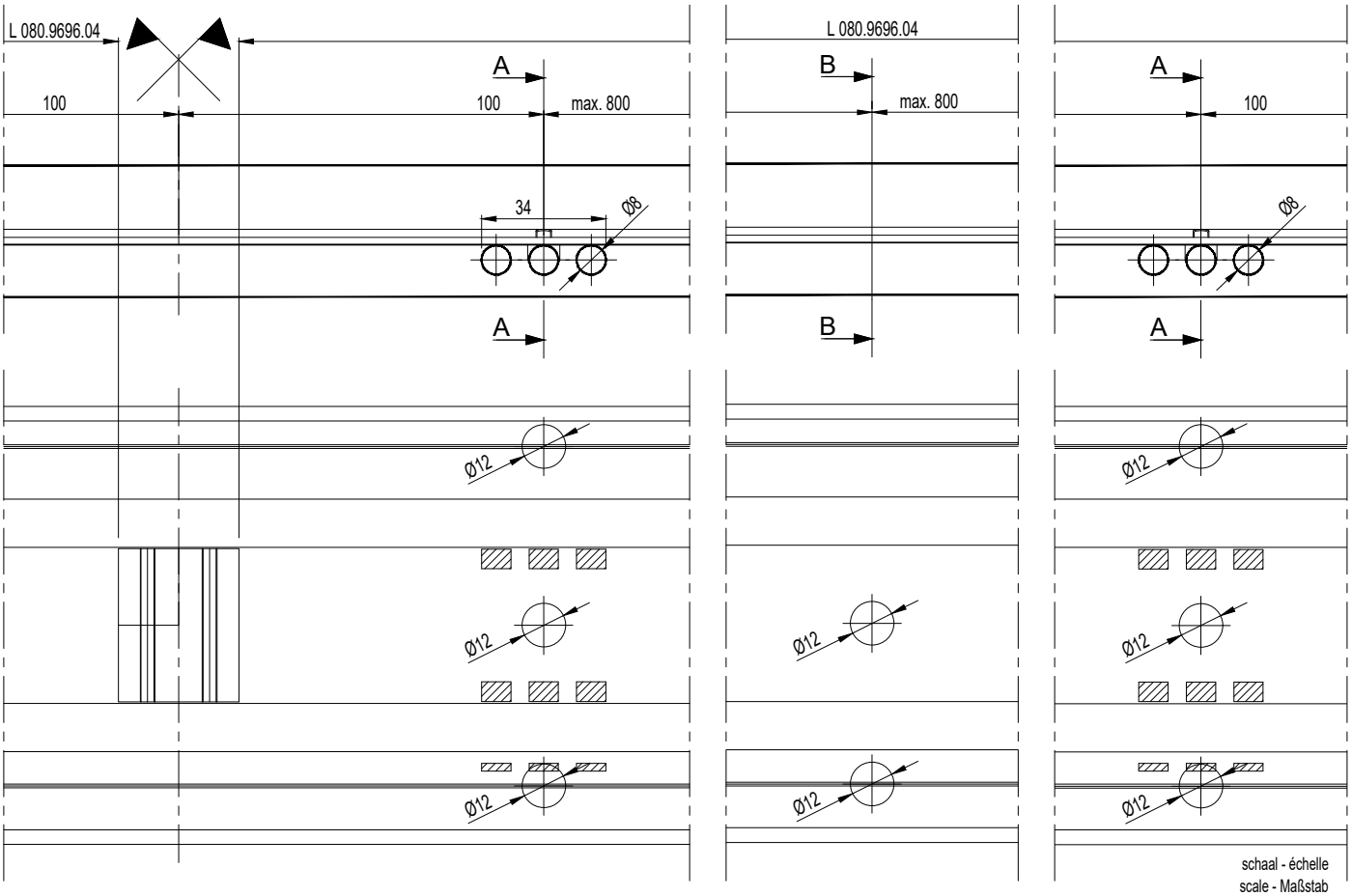
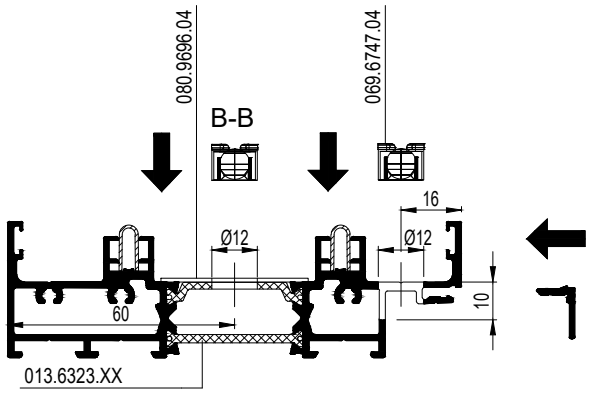
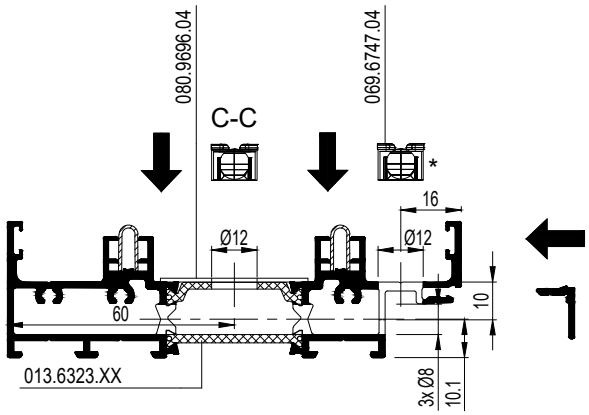


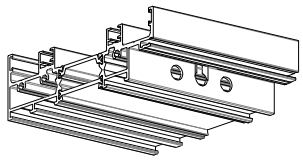


schaal - échelle
scale - Maßstab
1/2

F

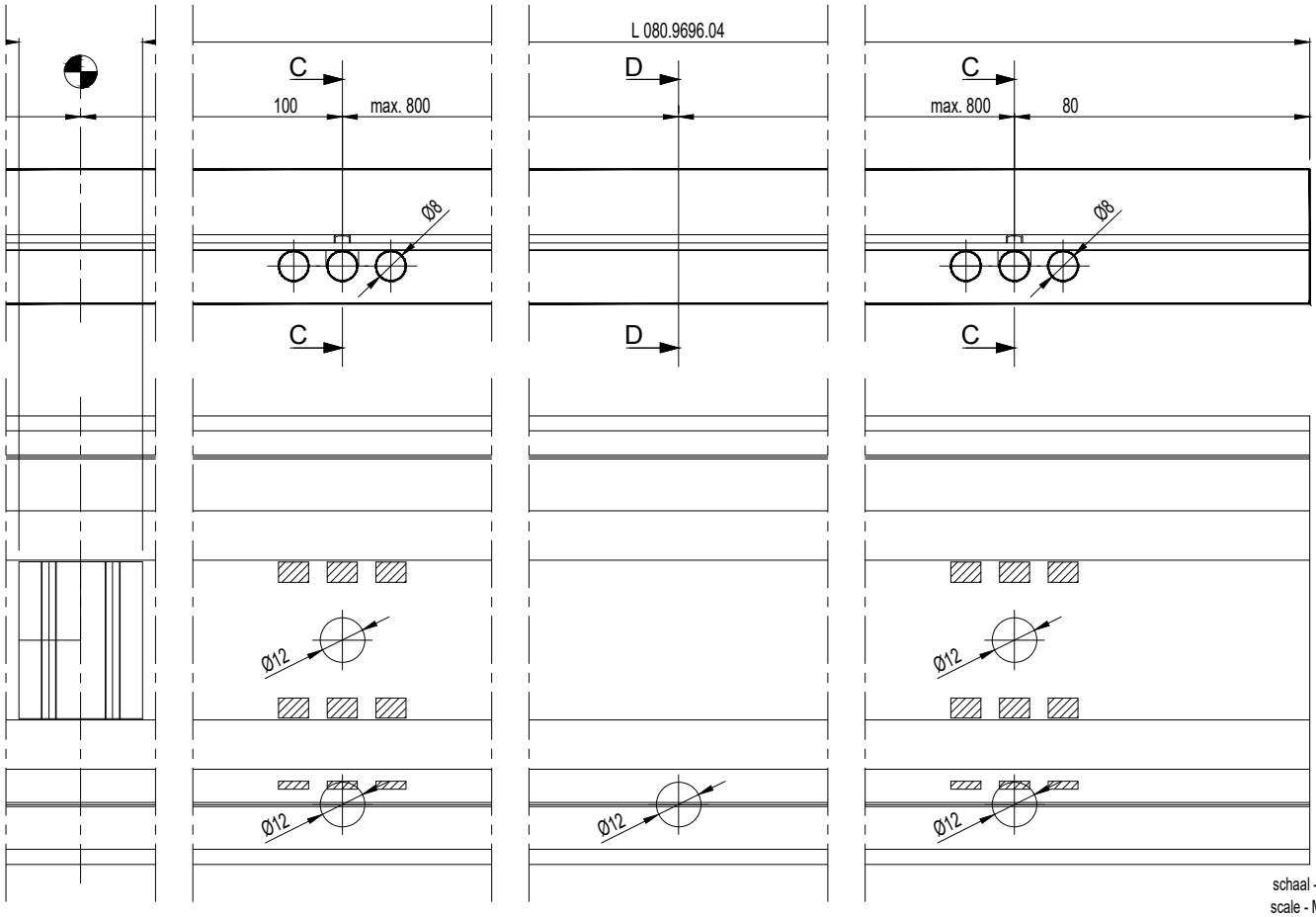






* ALLEEN BIJ XXXX
* SEULEMENT POUR XXXX
* ONLY FOR XXXX
* NUR FUR XXXX

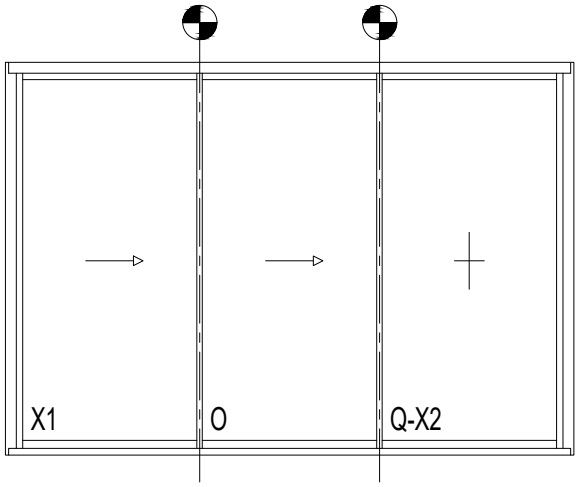
PLAATS GEEN EPDM 080.9696.04 ONDER DE BORSTEL 081.9235.04
NE MONTER PAS DES EPDM 080.9696.04 SOUS LA BROSSE 081.9235.04
DONT PLACE EPDM 080.9696.04 UNDERNEATH THE BRUSH 081.9235.04
MONTIEREN SIE KEINE EPDM 080.9696.04 UNTEN DIE BURSTEN 081.9235.04



schaal - échelle
scale - Maßstab
1/2

F

1



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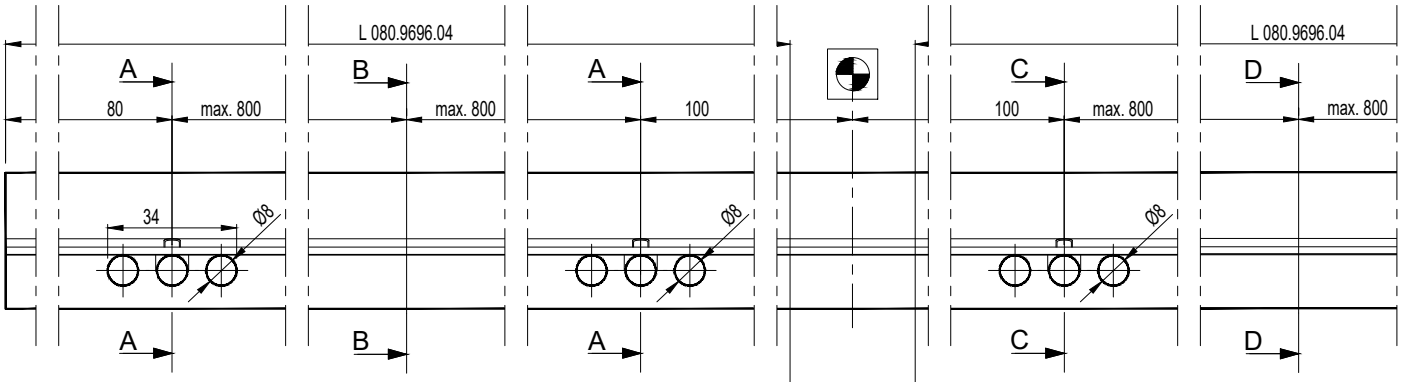
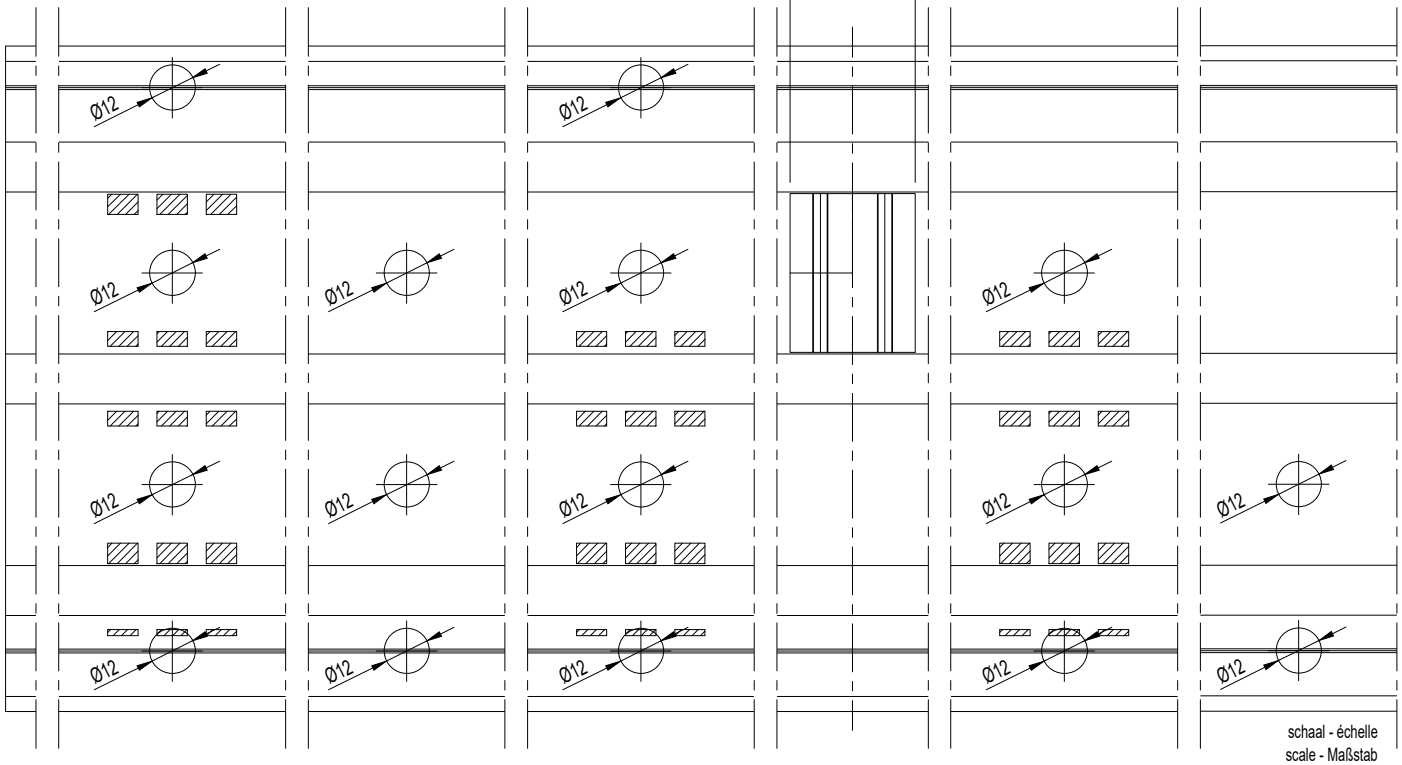
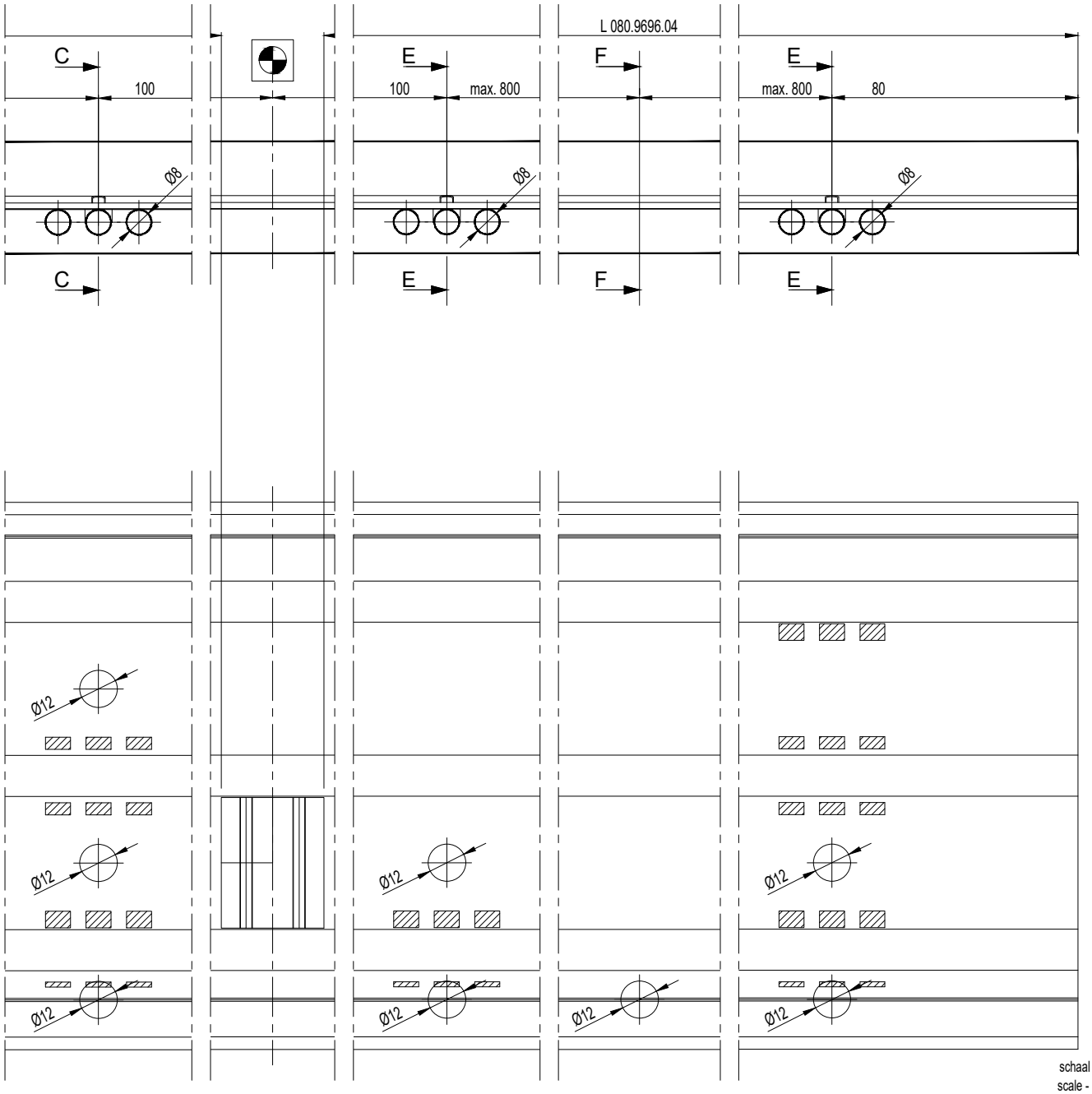
- -	
-	
097.0357.00 097.0875.00	





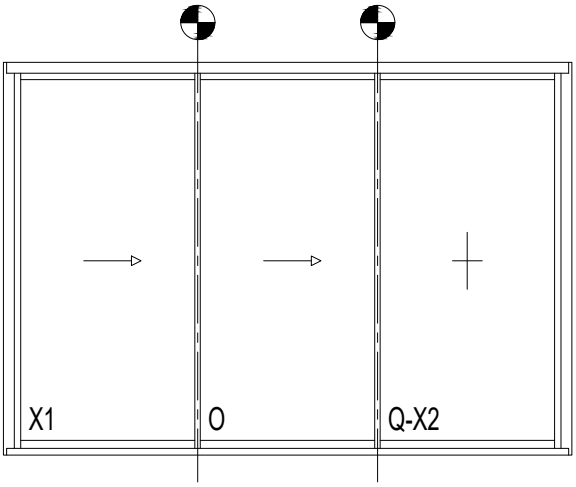
schaal - échelle
scale - Maßstab
1/2

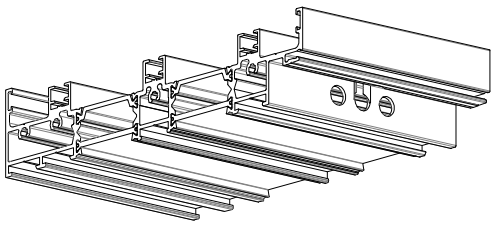
F

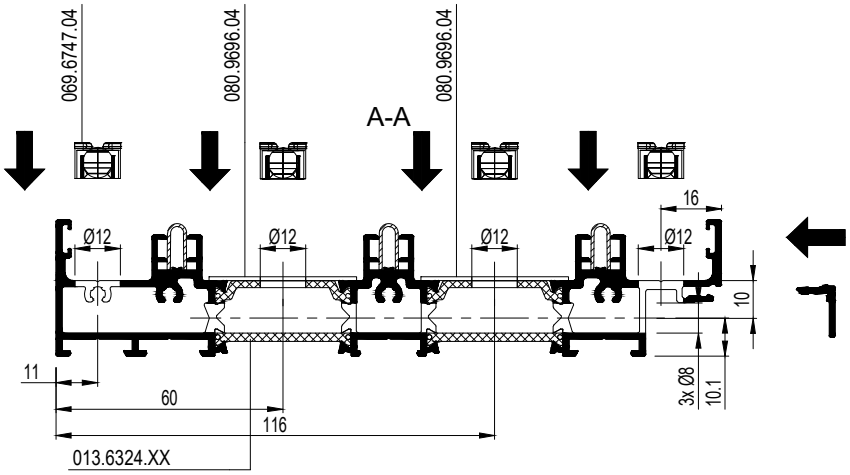


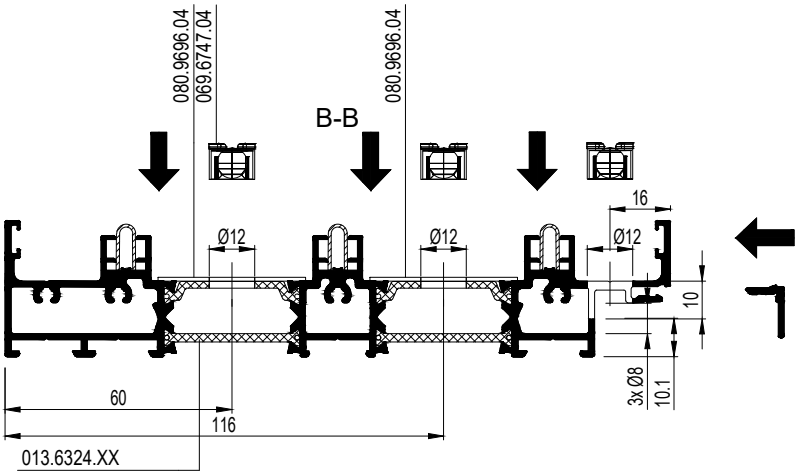
schaal - échelle
scale - Maßstab
1/2

1







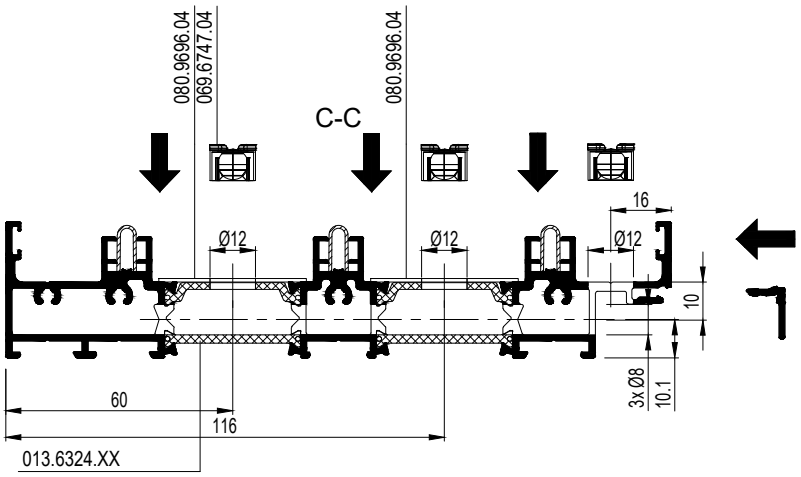


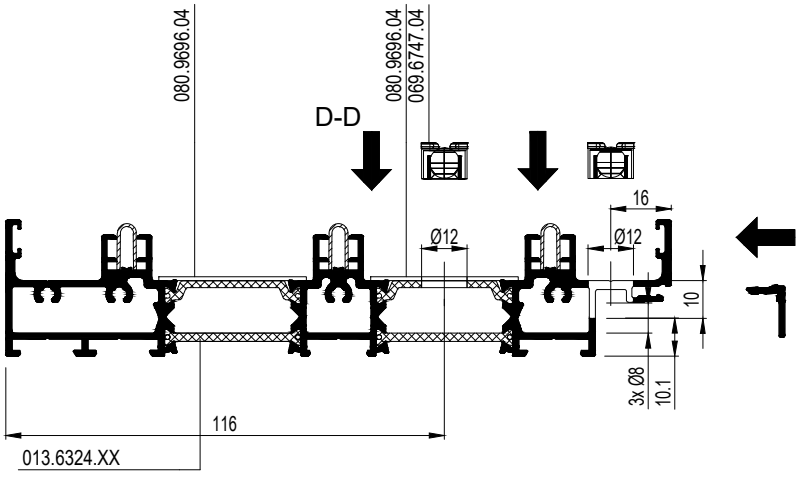
F

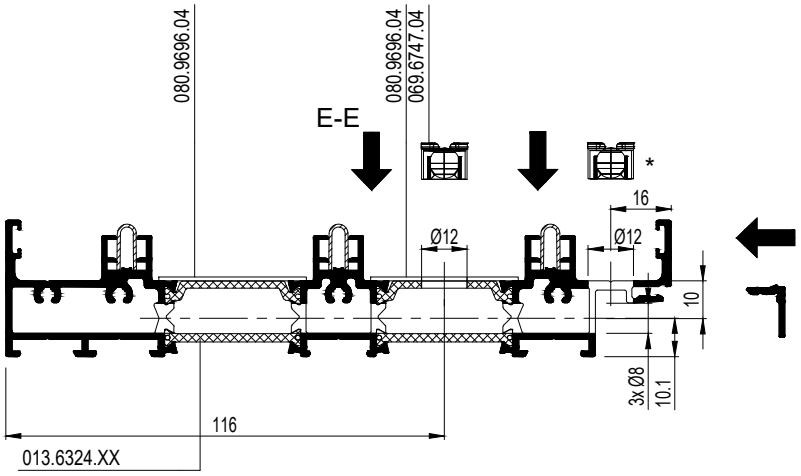
!	* ALLEEN BIJ XXX * SEULEMENT POUR XXX * ONLY FOR XXX * NUR FUR XXX

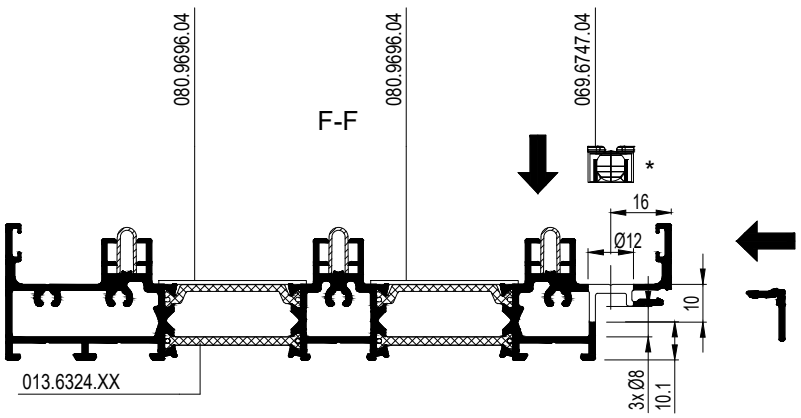
!	PLAATS GEEN EPDM 080.9696.04 ONDER DE BORSTEL 081.9235.04 NE MONTER PAS DES EPDM 080.9696.04 SOUS LA BROSSE 081.9235.04 DONT PLACE EPDM 080.9696.04 UNDERNEATH THE BRUSH 081.9235.04 MONTIEREN SIE KEINE EPDM 080.9696.04 UNTEN DIE BURSTEN 081.9235.04

schaal - échelle
scale - Maßstab
1/2





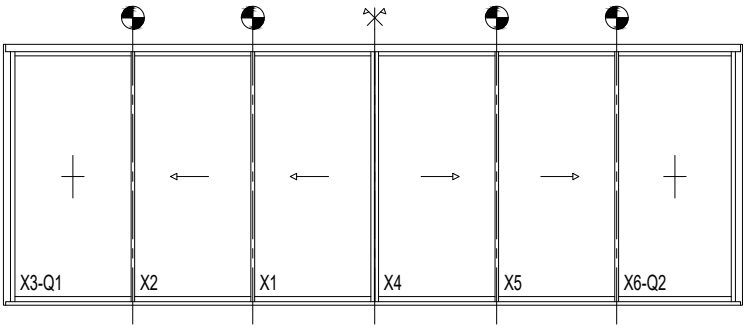




F

schaal - échelle
scale - Maßstab
1/2

1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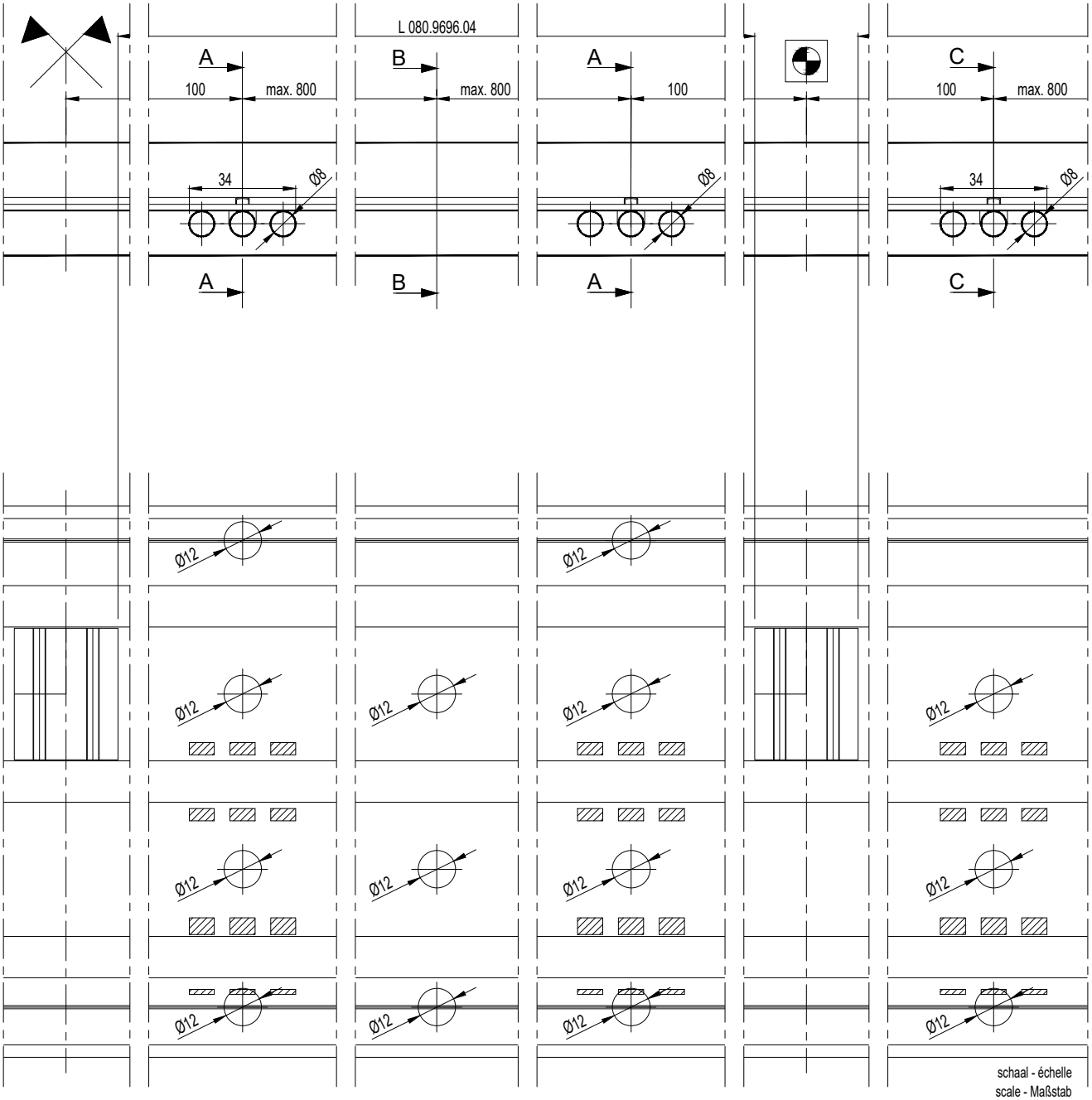
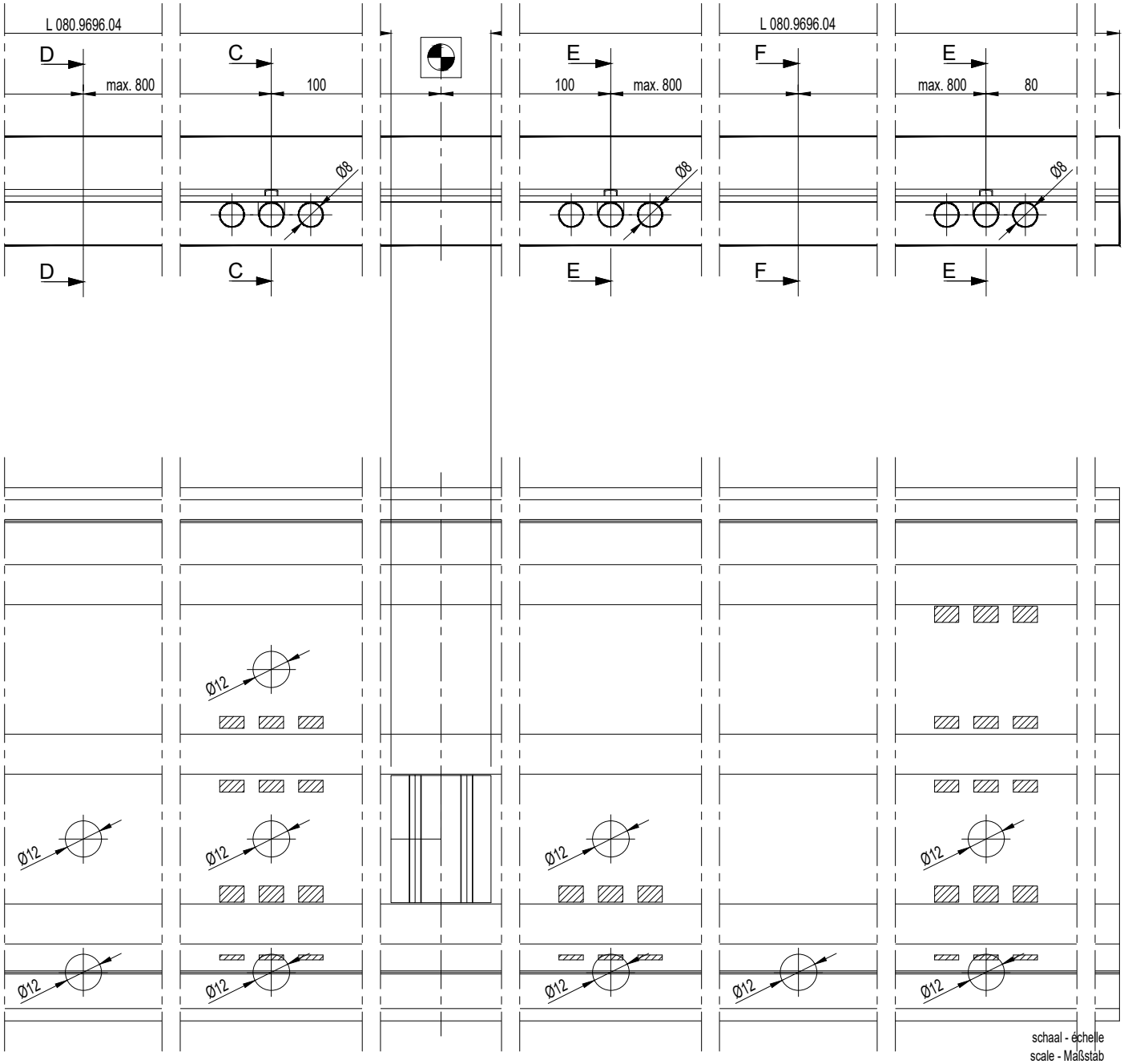
X2
X1
X4
X5
X6-Q2


L 080.9696.04
A
B
A
C
100
max. 800
100
max. 800
100
max. 800
34
Ø8
Ø12
schaal - échelle
scale - Maßstab
1/2

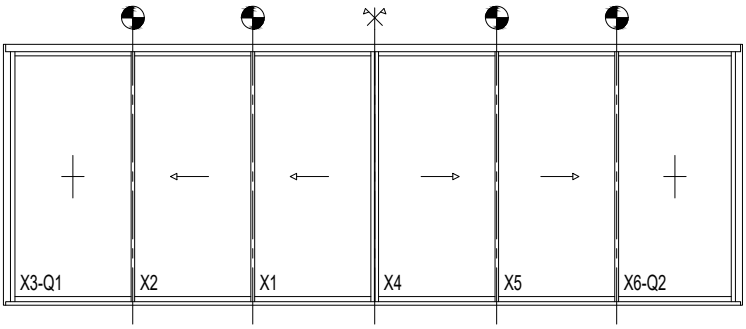
	SV/LV
-	013.6324.XX
- -	
-	
097.0357.00 097.0875.00	

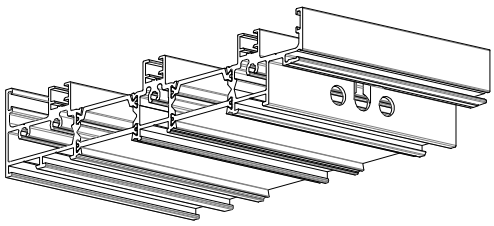


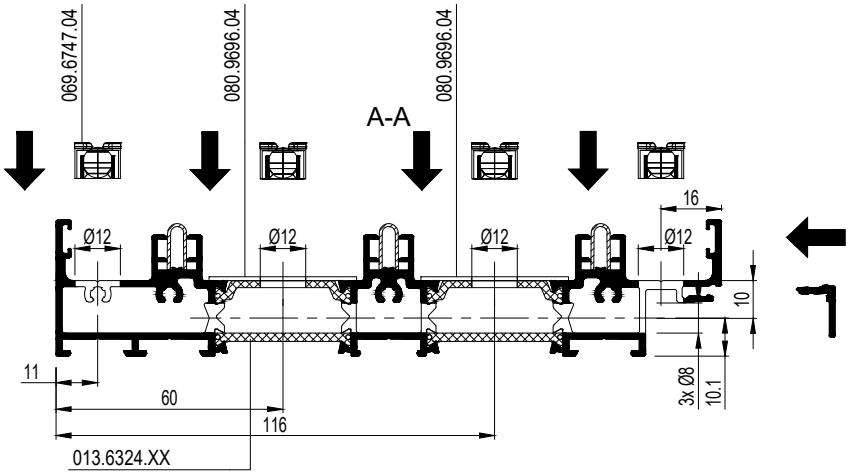
schaal - échelle
scale - Maßstab
1/2

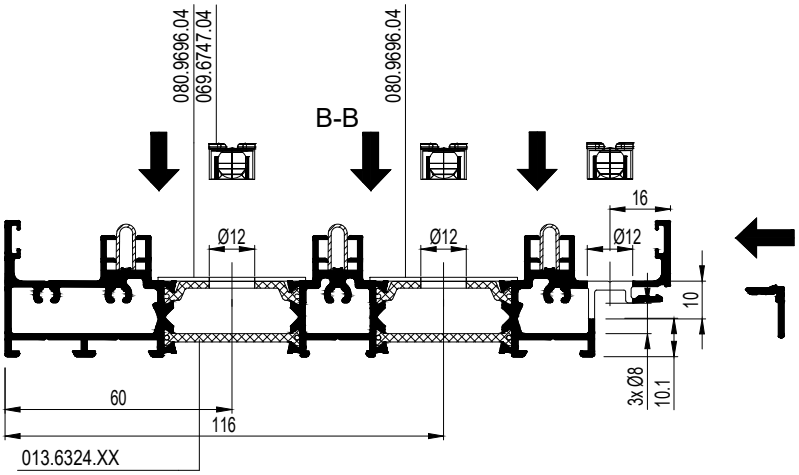
F

1







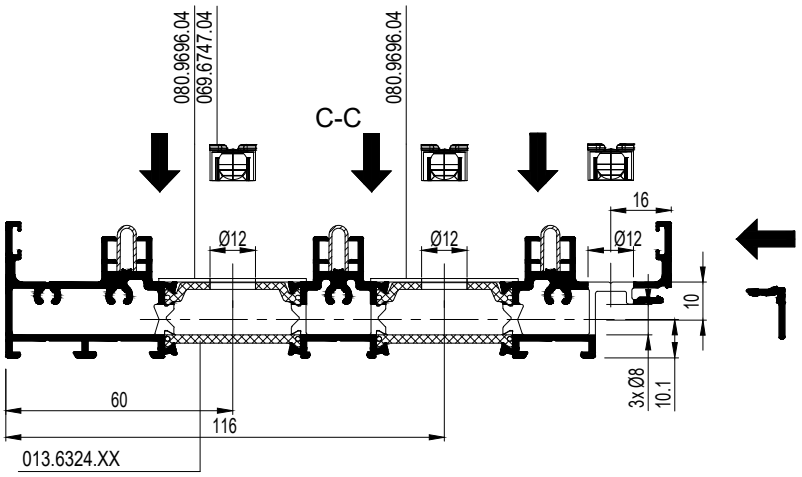


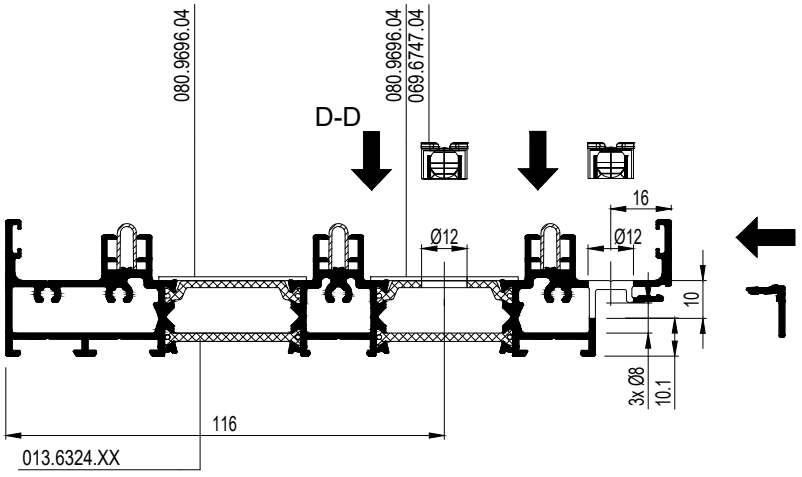
F

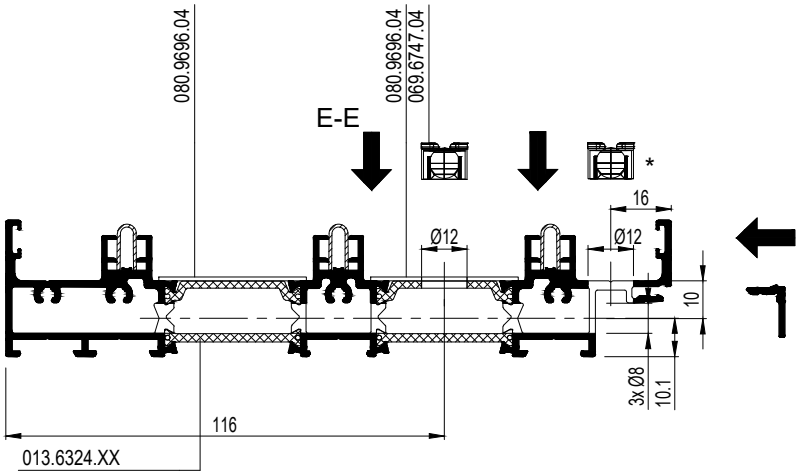
!	* ALLEEN BIJ XXX * SEULEMENT POUR XXX * ONLY FOR XXX * NUR FUR XXX

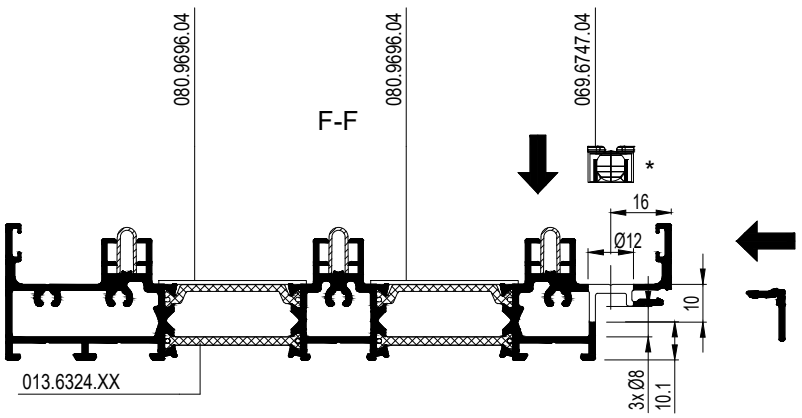
!	PLAATS GEEN EPDM 080.9696.04 ONDER DE BORSTEL 081.9235.04 NE MONTER PAS DES EPDM 080.9696.04 SOUS LA BROSSE 081.9235.04 DONT PLACE EPDM 080.9696.04 UNDERNEATH THE BRUSH 081.9235.04 MONTIEREN SIE KEINE EPDM 080.9696.04 UNTEN DIE BURSTEN 081.9235.04

schaal - échelle
scale - Maßstab
1/2





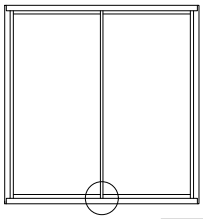


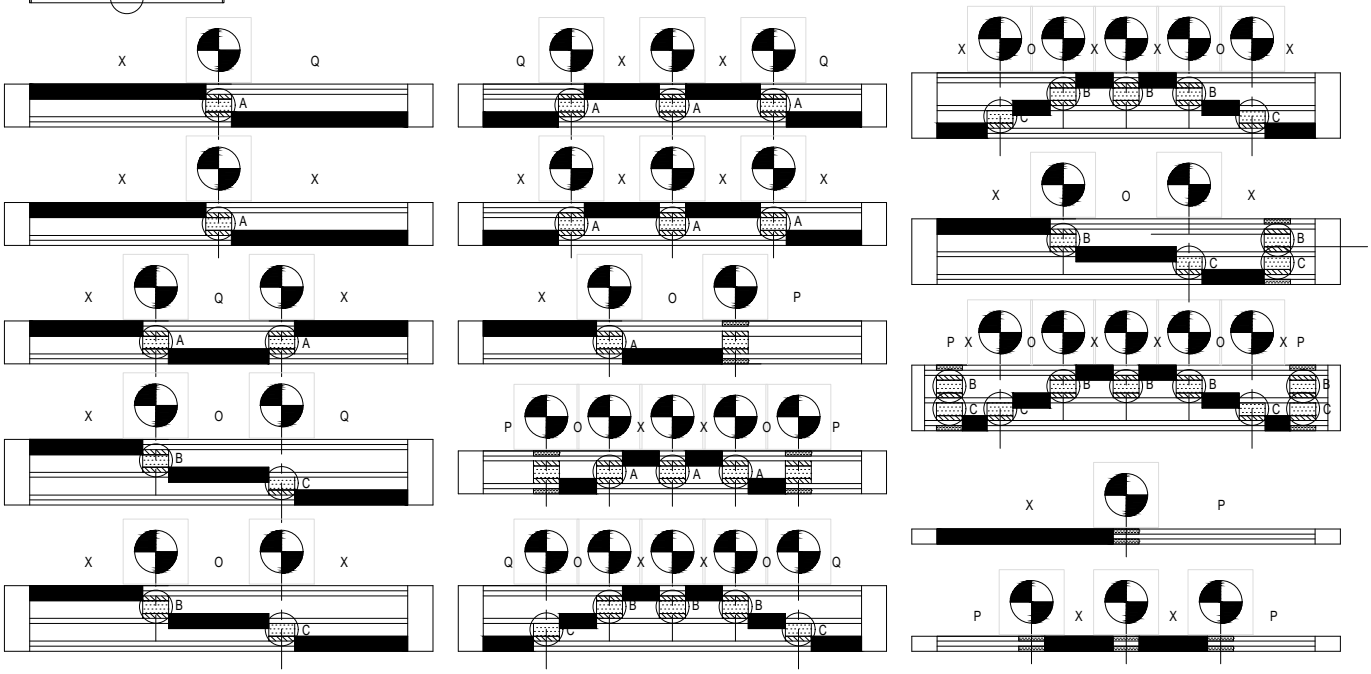


F

schaal - échelle
scale - Maßstab
1/2

4





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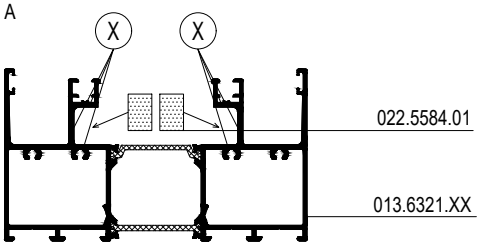
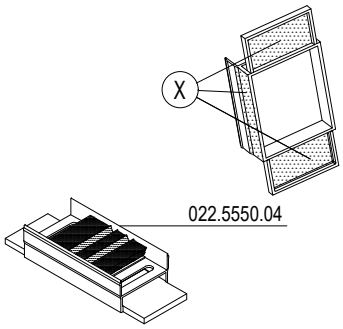
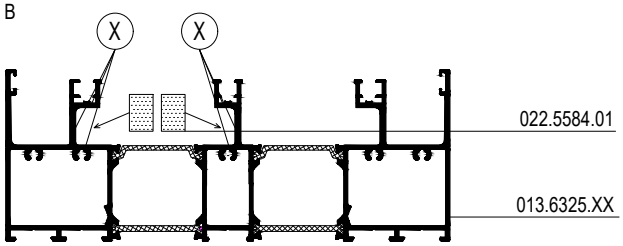
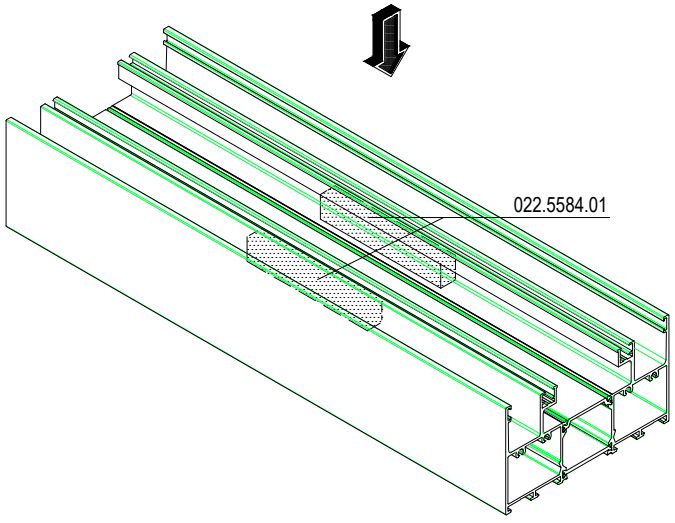




B





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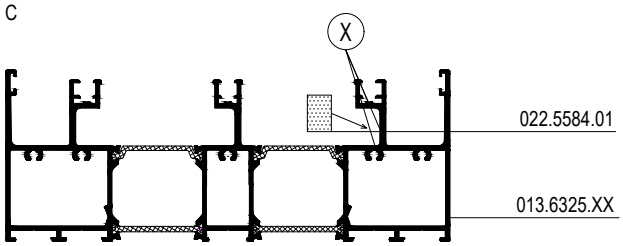
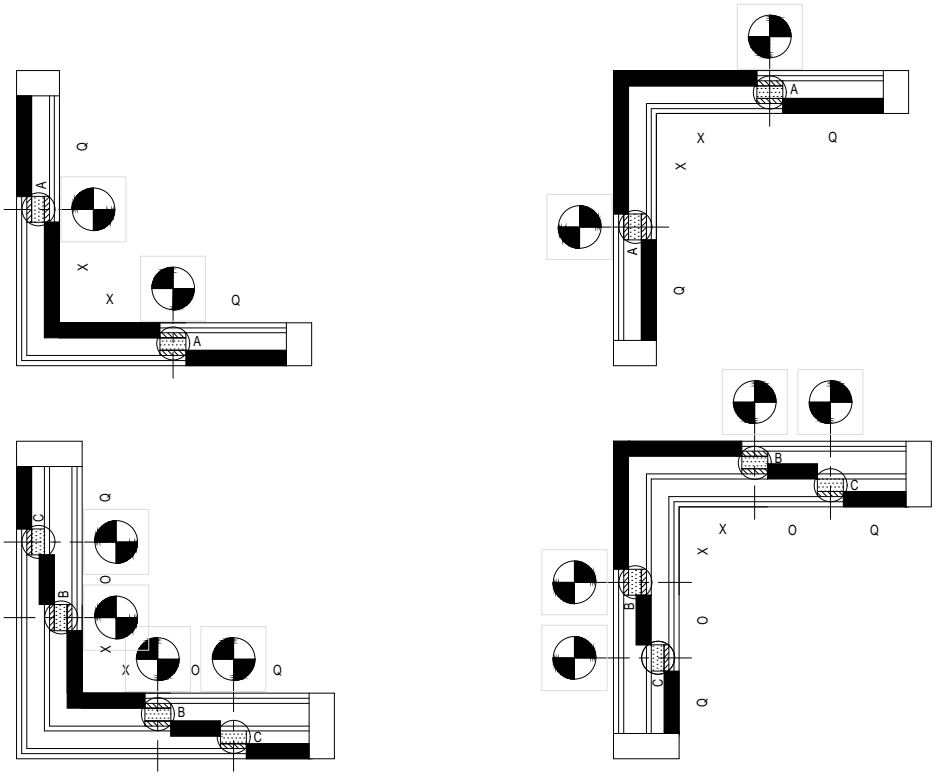


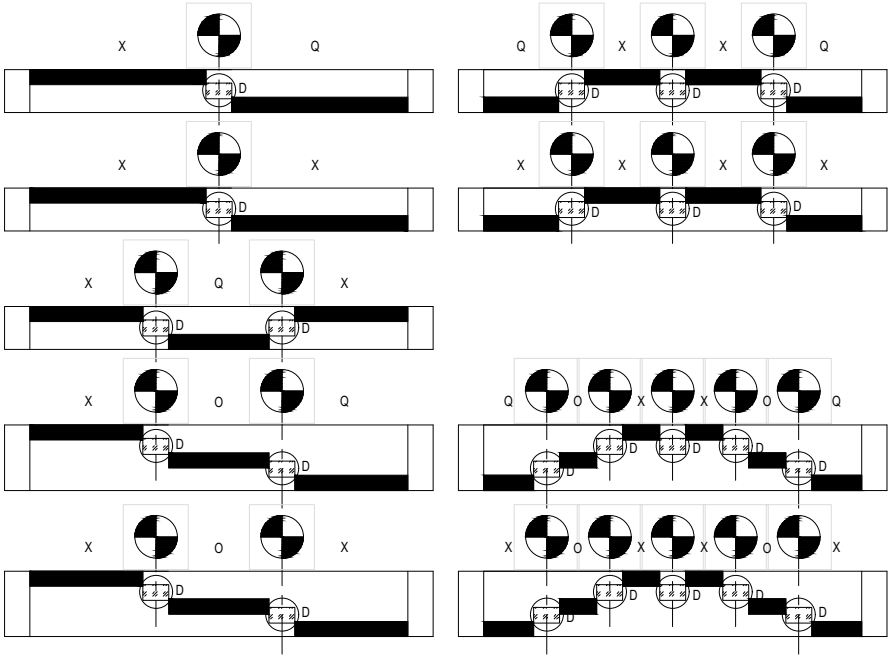
MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

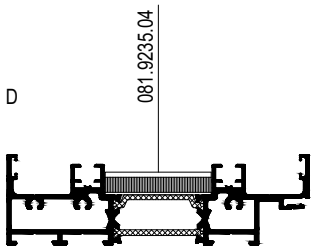
1 2 3 .

schaal - échelle
scale - Maßstab
1/3



LOW THRESHOLD





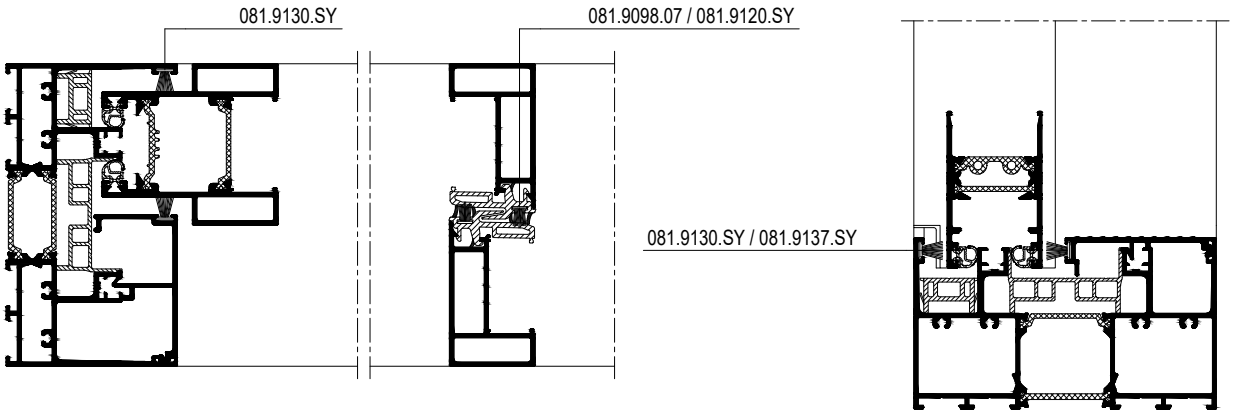
F

schaal - échelle
scale - Maßstab
1/3

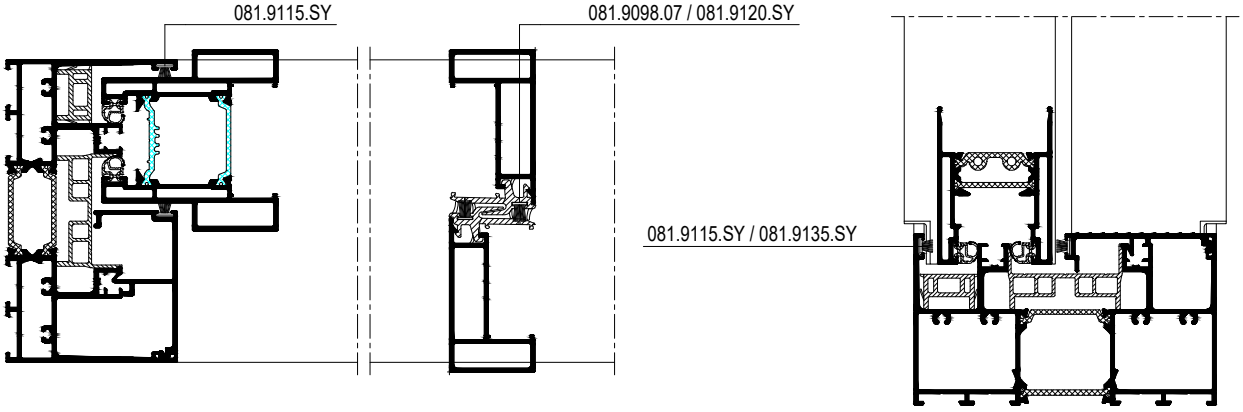
9

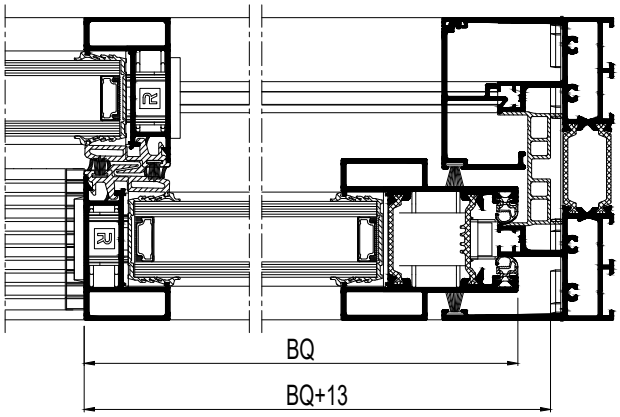
		SY	TYPE	SV/LV
081.9130.SY	9mm	04/07	TRIFIN	SV
081.9137.SY	11mm	04/07	TRIFIN	SV
081.9098.07	8.5mm	07	-	SV/LV
081.9120.SY	8.5mm	04/07	TRIFIN	SV/LV
081.9115.SY	5mm	04/07	TRIFIN	LV
081.9135.SY	7mm	04/07	BIFIN	LV

SV



LV





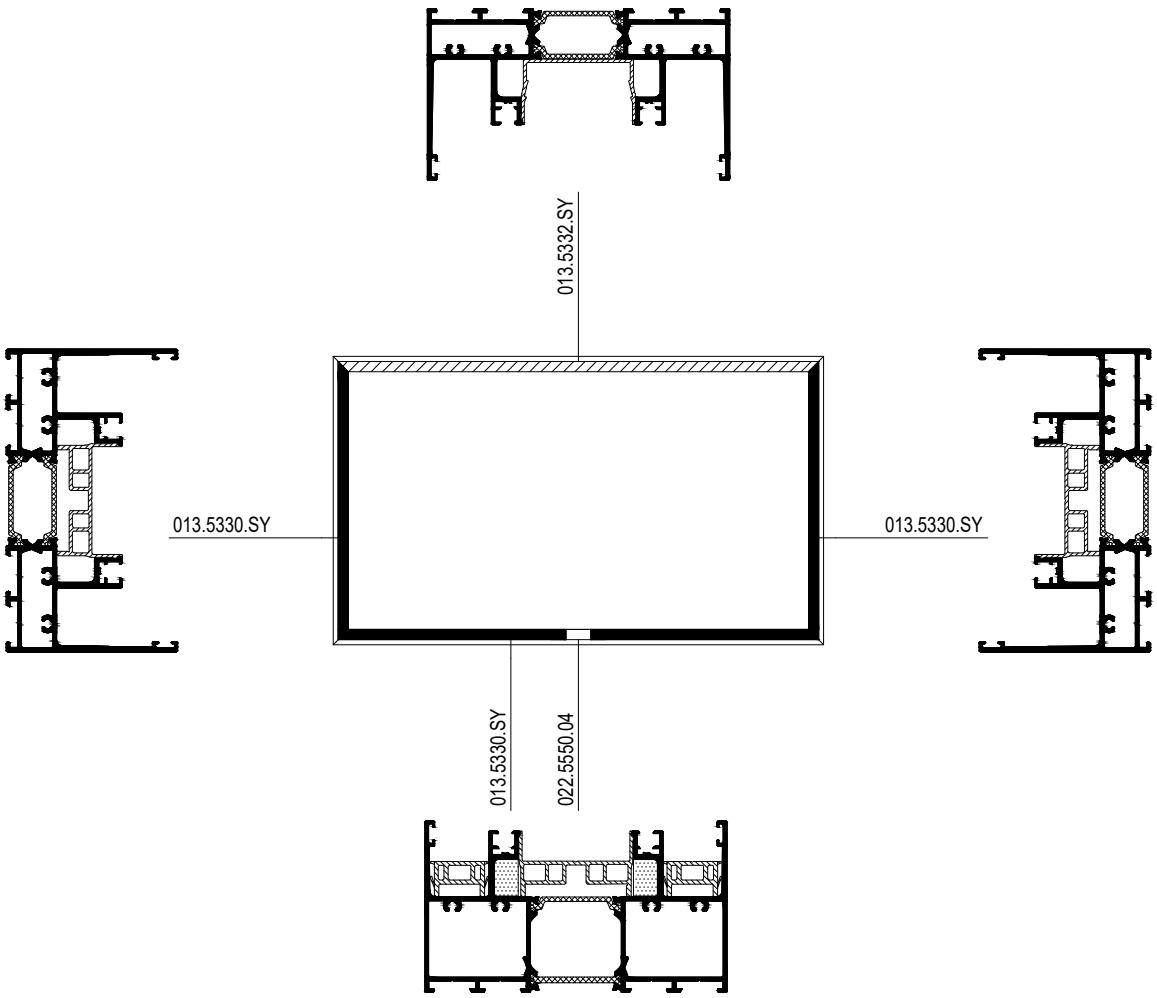
!	BORSTEL LENGTE LONGUEUR DE BROSSE BRUSH LENGHT BUERSTEN LANGE

schaal - échelle
scale - Maßstab
1/3

F

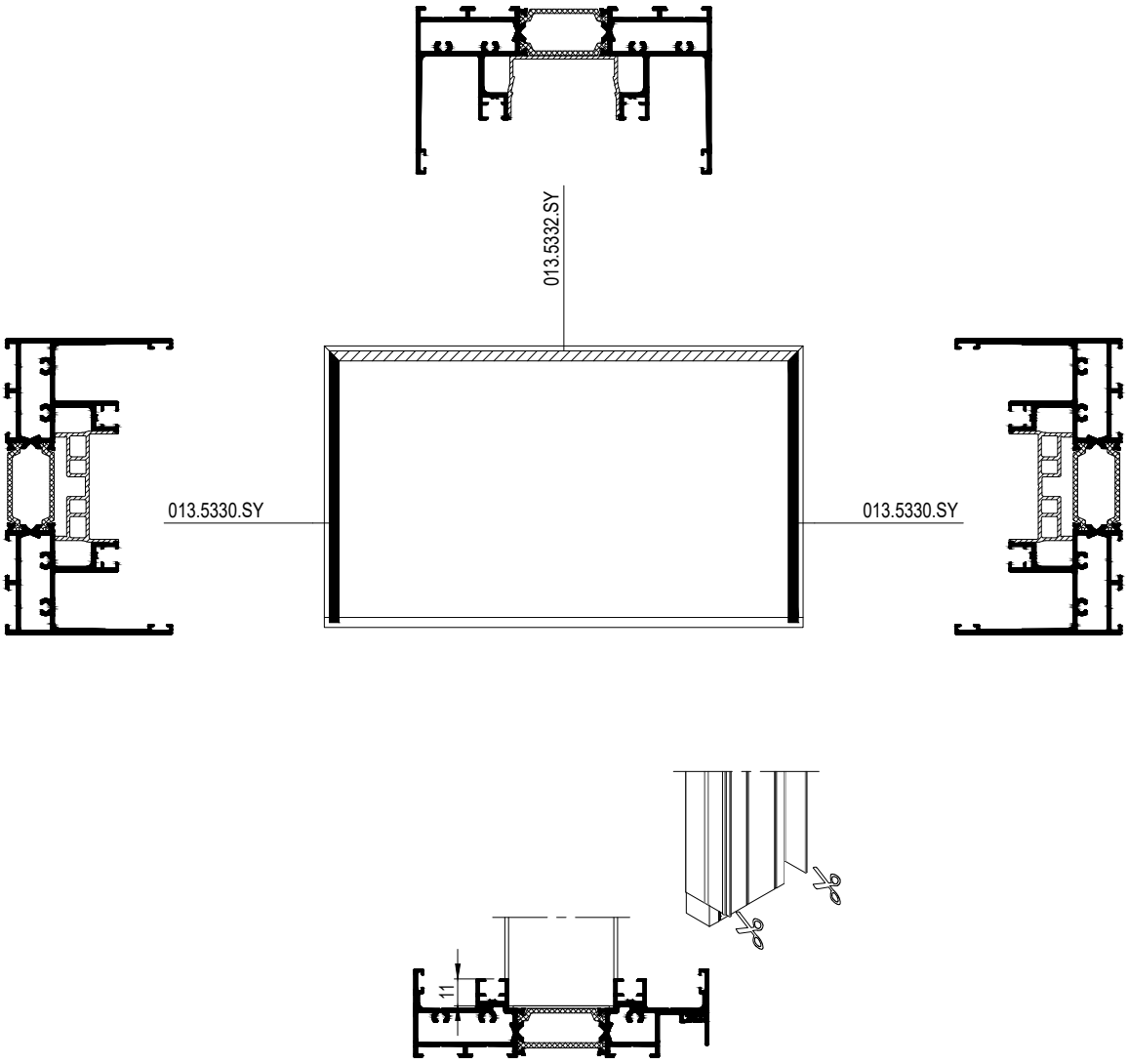
schaal - échelle
scale - Maßstab
1/2

5 6 13

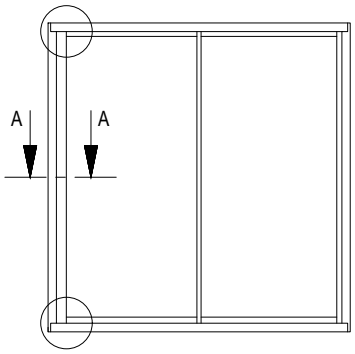


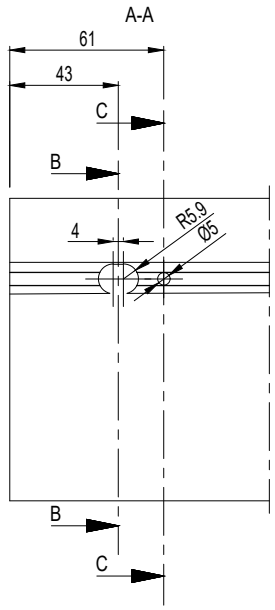
schaal - échelle
scale - Maßstab
1/2

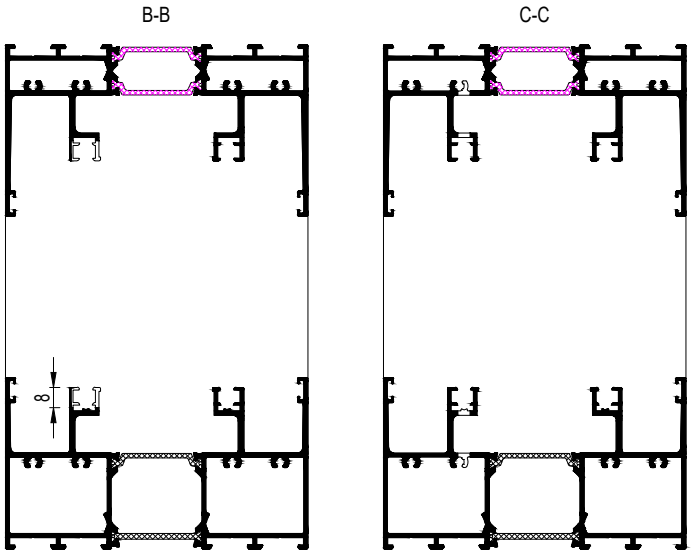
6 13



schaal - échelle
scale - Maßstab
1/2





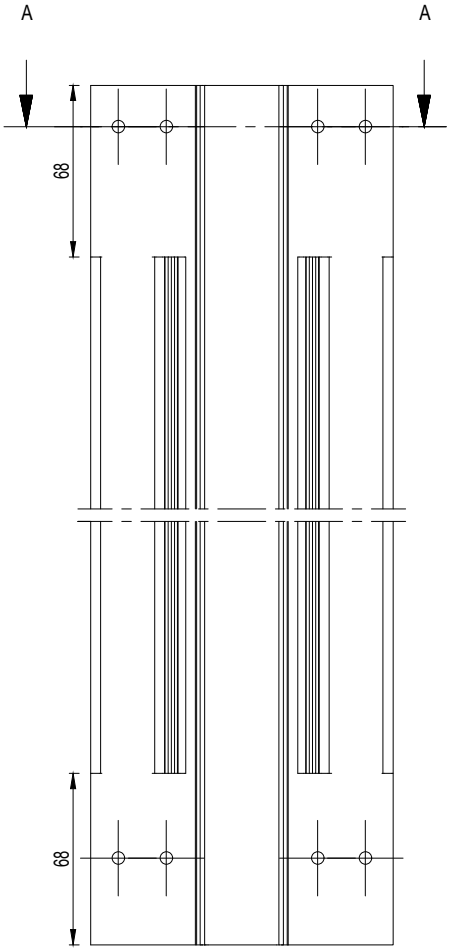


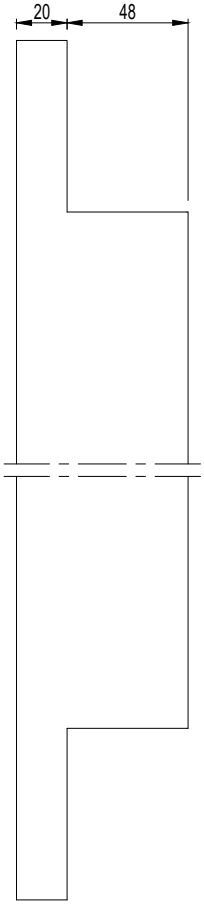
F

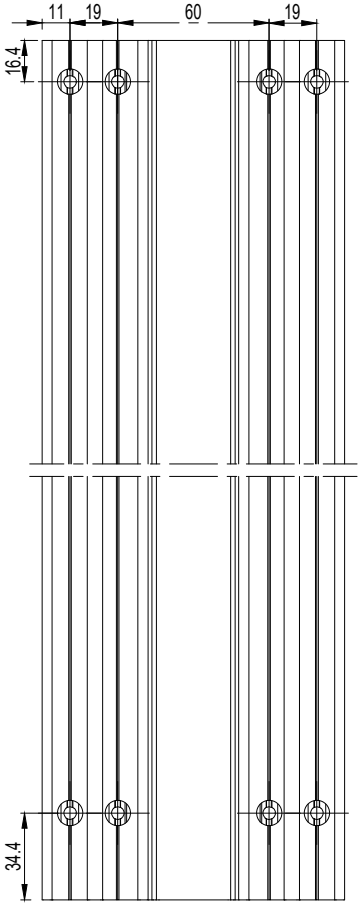
schaal - échelle
scale - Maßstab
1/3

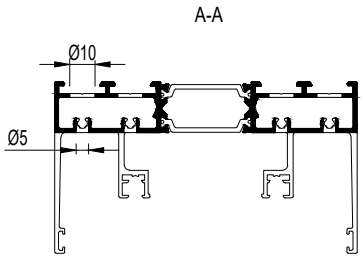
schaal - échelle
scale - Maßstab
1/3

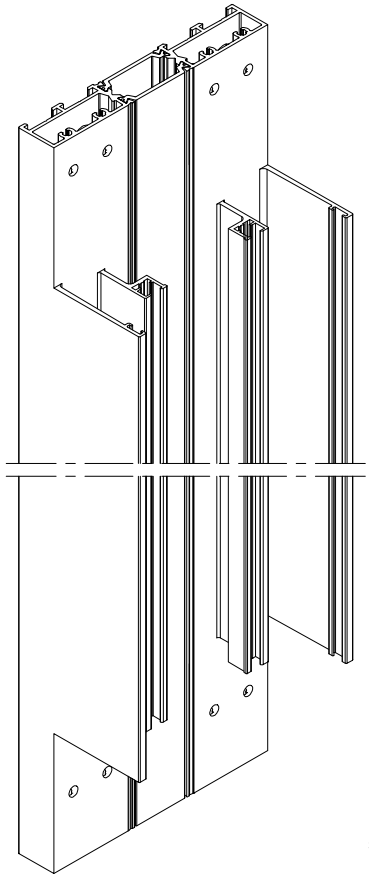
7











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schaal - échelle
scale - Maßstab
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8 9 10 11 12 14 15

SILICONE AANBRENGEN OVER VOLLEDIGE LENGTE VAN DE RAIL
APPLIQUER DE SILICONE SUR LE LONGUEUR COMPLETE
APPLY SILICONE OVER COMPLETE LENGHT OF RAIL
ZUTREFFEN SILIKON UBER KOMPLETT LANGE DIE SCHIENE

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LV:081.9115.SY

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013.5330.SY
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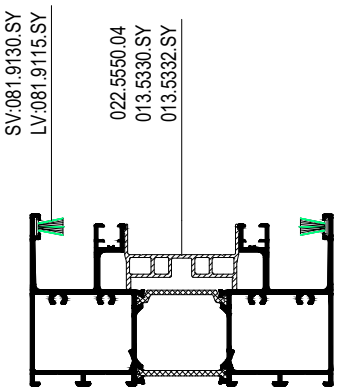

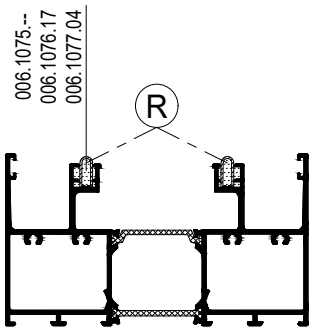

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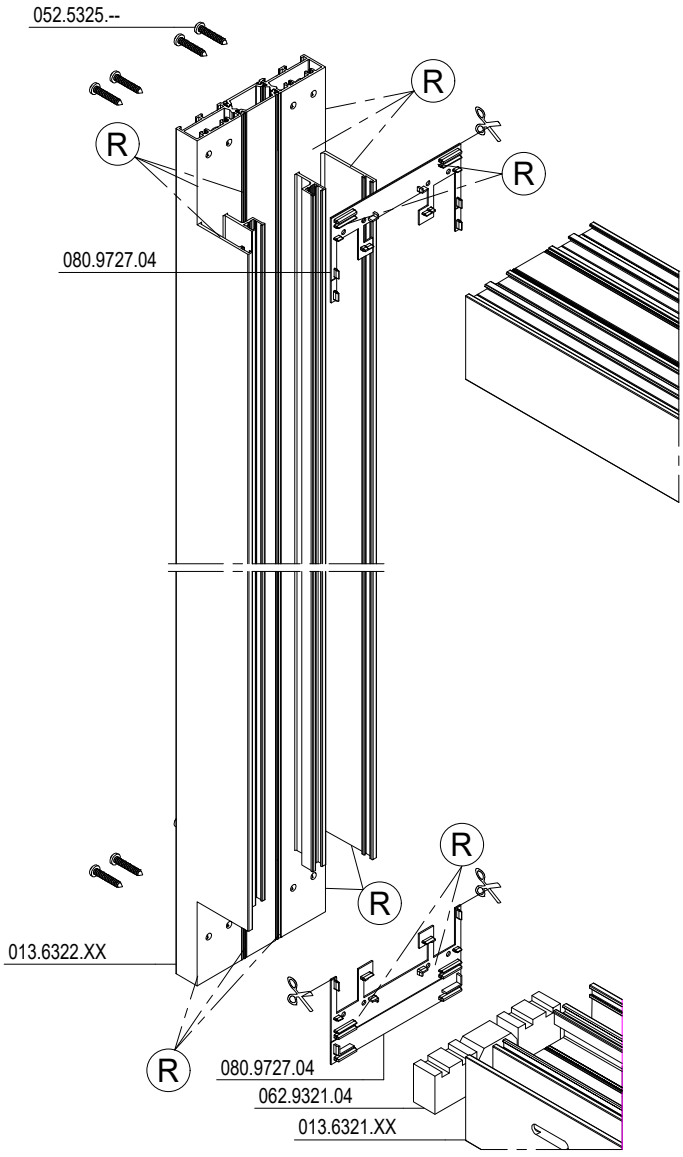

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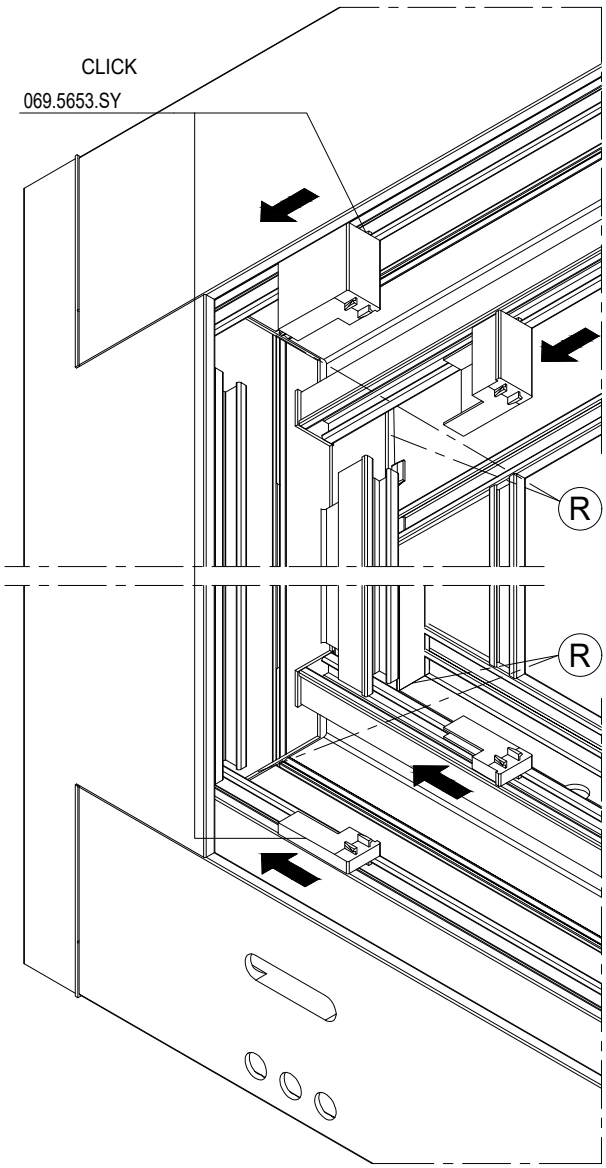

schaal - échelle
scale - Maßstab
1/3

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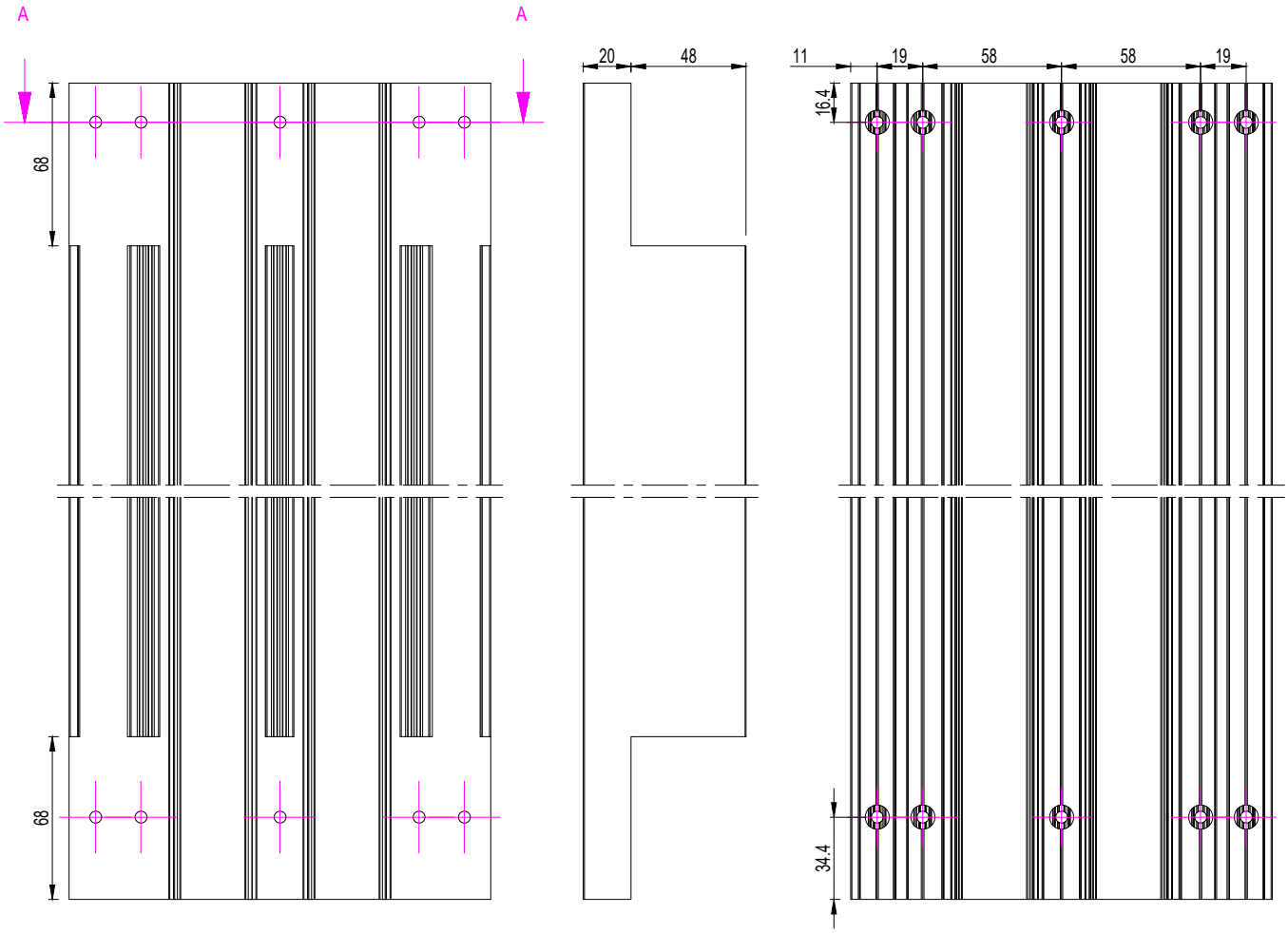

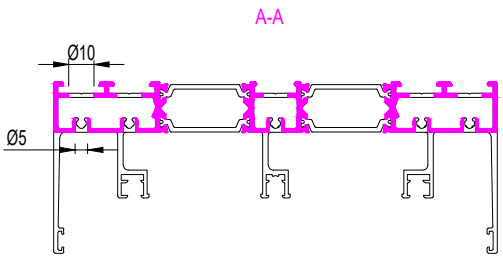

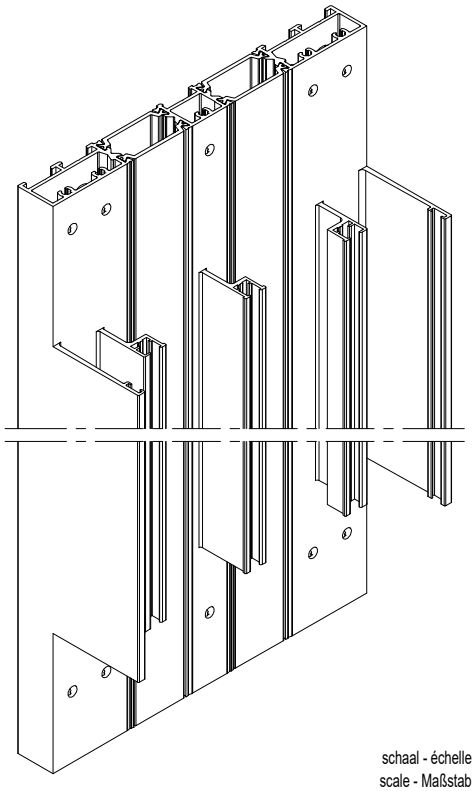

schaal - échelle
scale - Maßstab
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SILICONE AANBRENGEN OVER VOLLEDIGE LENGTE VAN DE RAIL
APPLIQUER DE SILICONE SUR LE LONGUEUR COMPLETE
APPLY SILICONE OVER COMPLETE LENGHT OF RAIL
ZUTREFFEN SILIKON UBER KOMPLETT LANGE DIE SCHIENE

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LV:081.9115.SY

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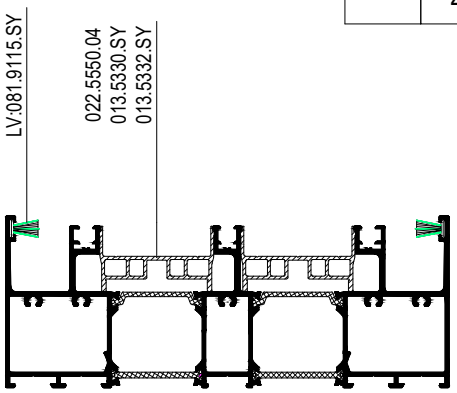

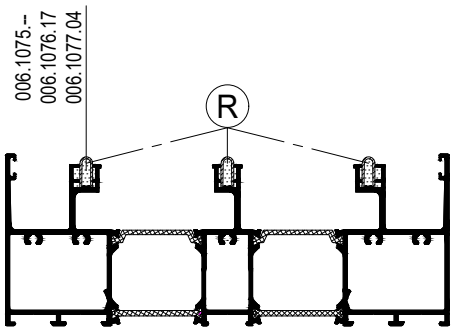

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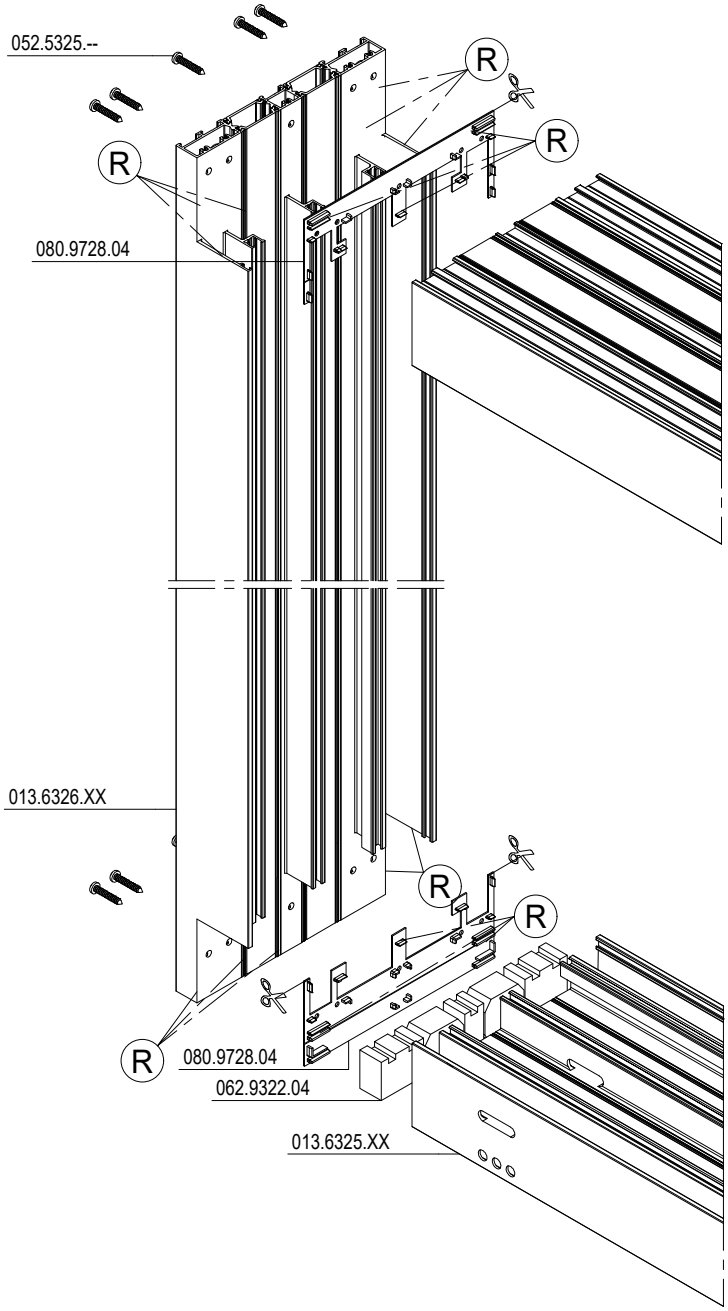

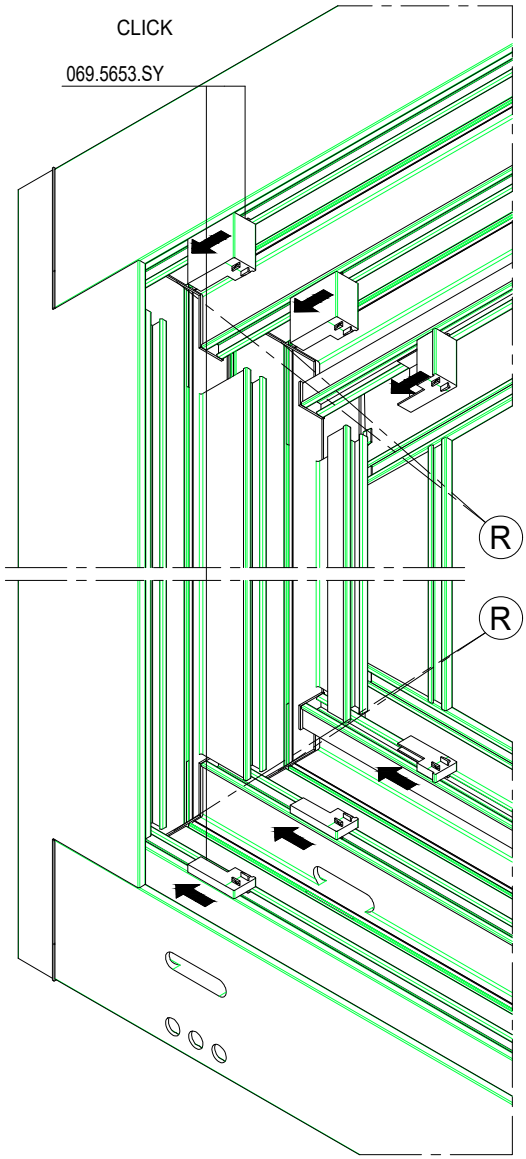

schaal - échelle
scale - Maßstab
1/3

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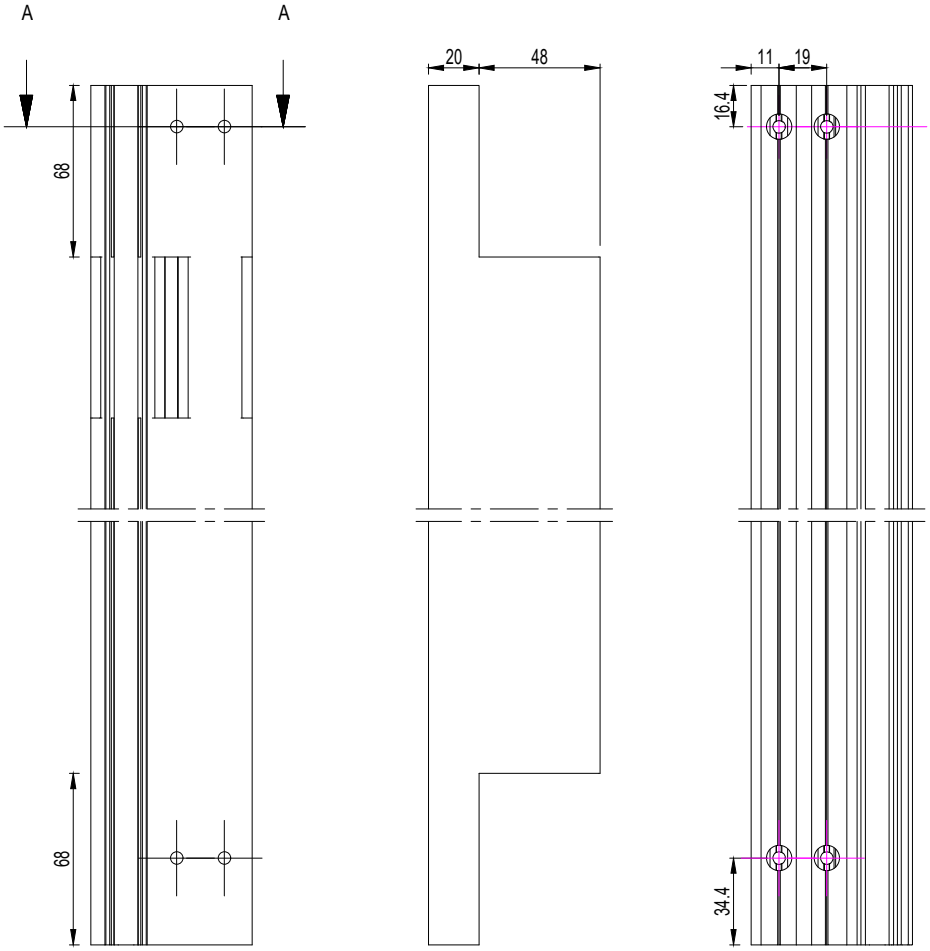

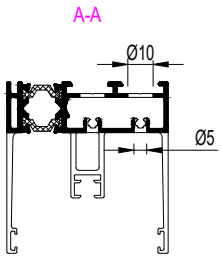

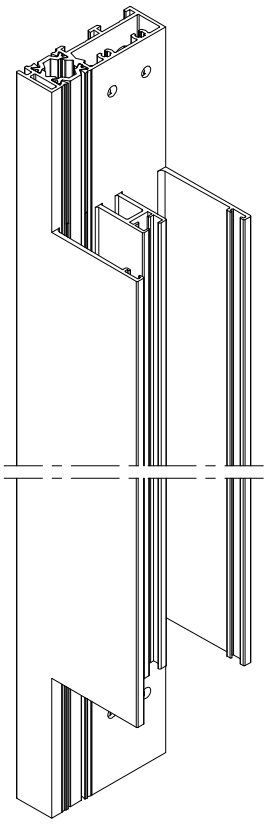

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schaal - échelle
scale - Maßstab
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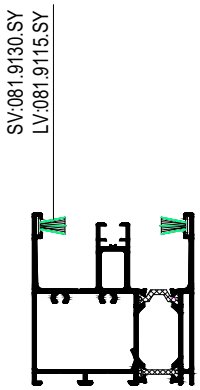
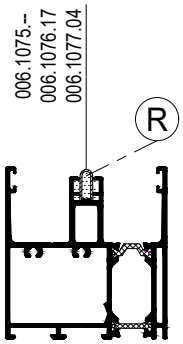
SILICONE AANBRENGEN OVER VOLLEDIGE LENGTE VAN DE RAIL
APPLIQUER DE SILICONE SUR LE LONGUEUR COMPLETE
APPLY SILICONE OVER COMPLETE LENGHT OF RAIL
ZUTREFFEN SILIKON UBER KOMPLETT LANGE DIE SCHIENE





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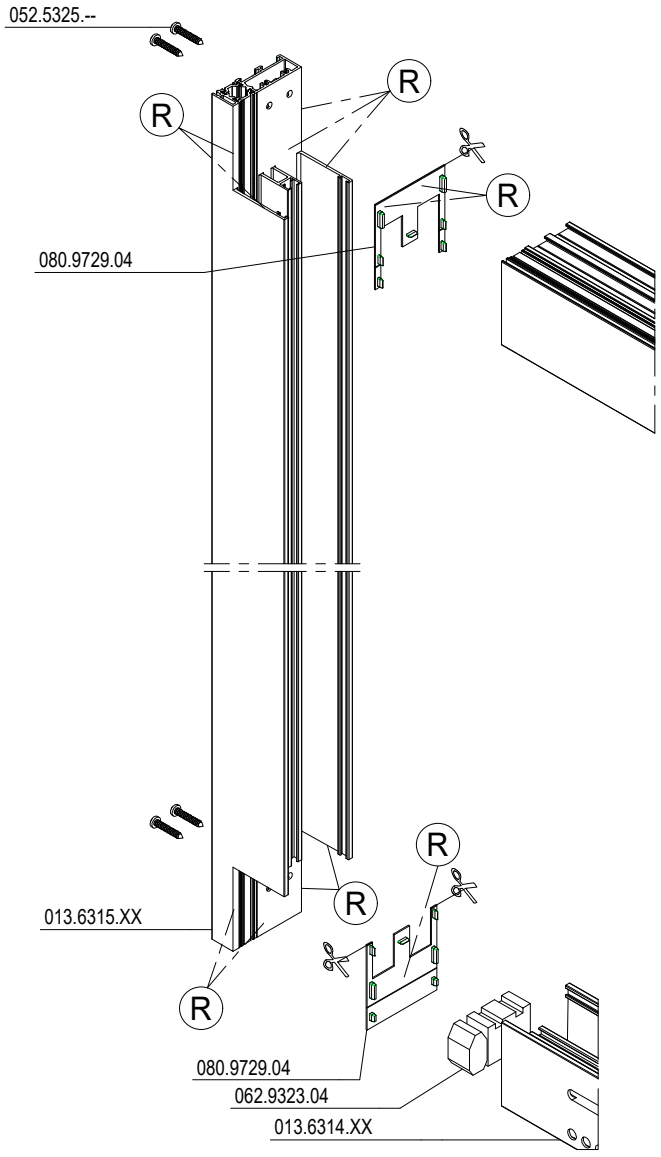

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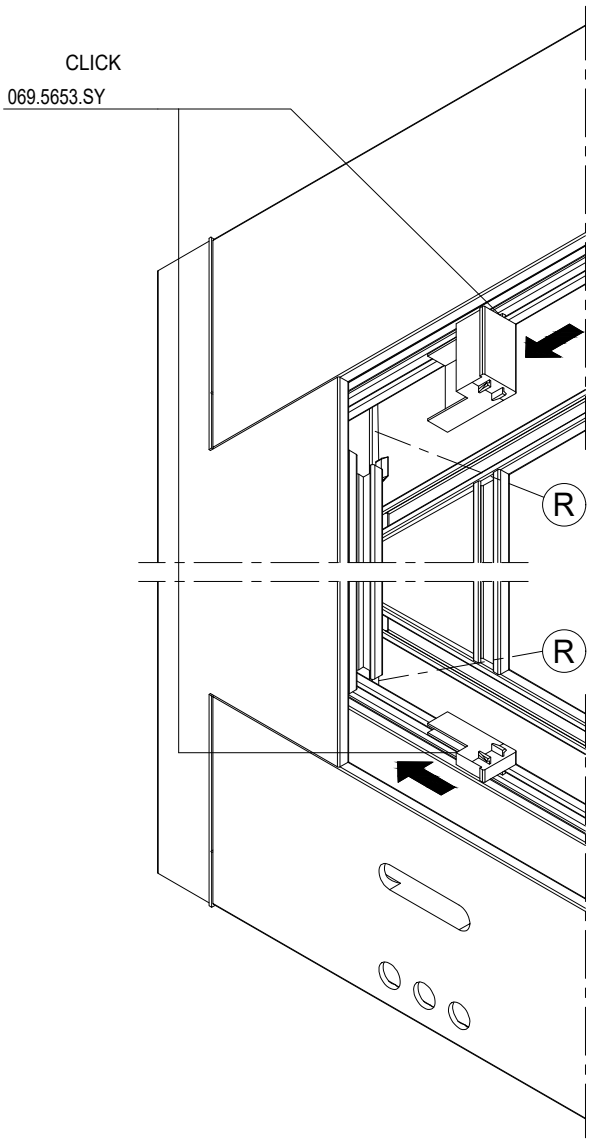

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schaal - échelle
scale - Maßstab
1/2

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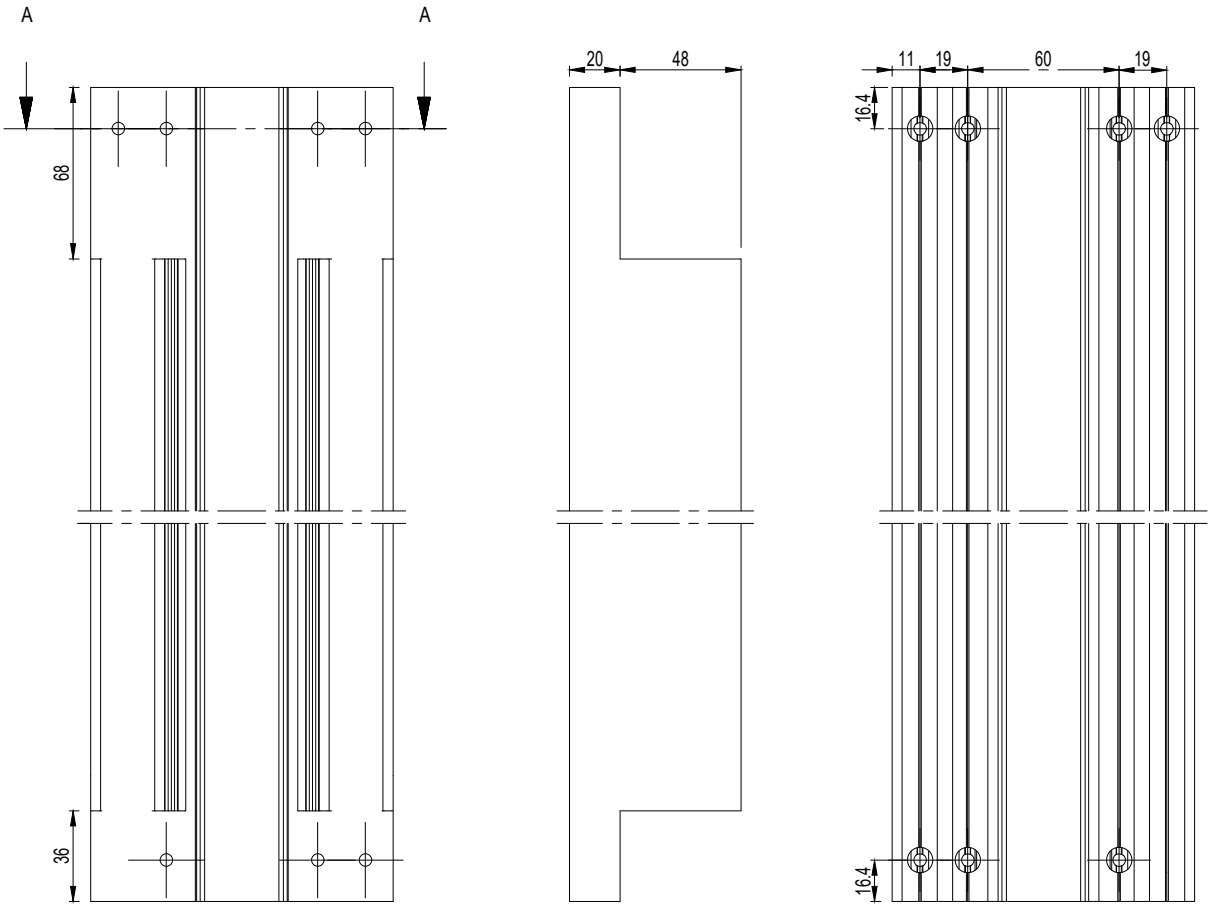

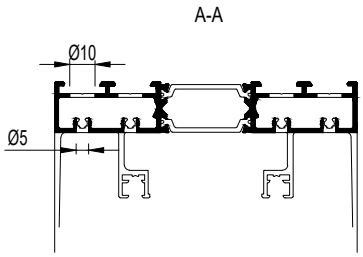

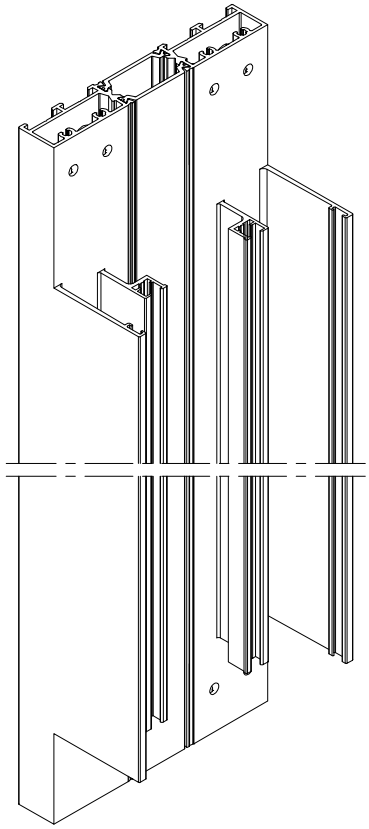

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schaal - échelle
scale - Maßstab
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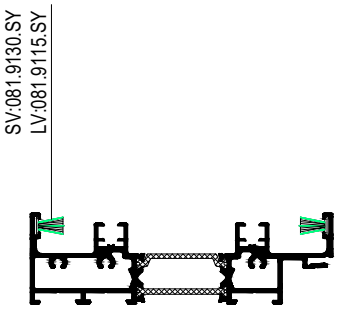
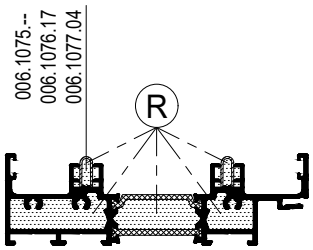
8 10 11 12 14 15

SILICONE AANBRENGEN OVER VOLLEDIGE LENGTE VAN DE RAIL
APPLIQUER DE SILICONE SUR LE LONGUEUR COMPLETE
APPLY SILICONE OVER COMPLETE LENGHT OF RAIL
ZUTREFFEN SILIKON UBER KOMPLETT LANGE DIE SCHIENE





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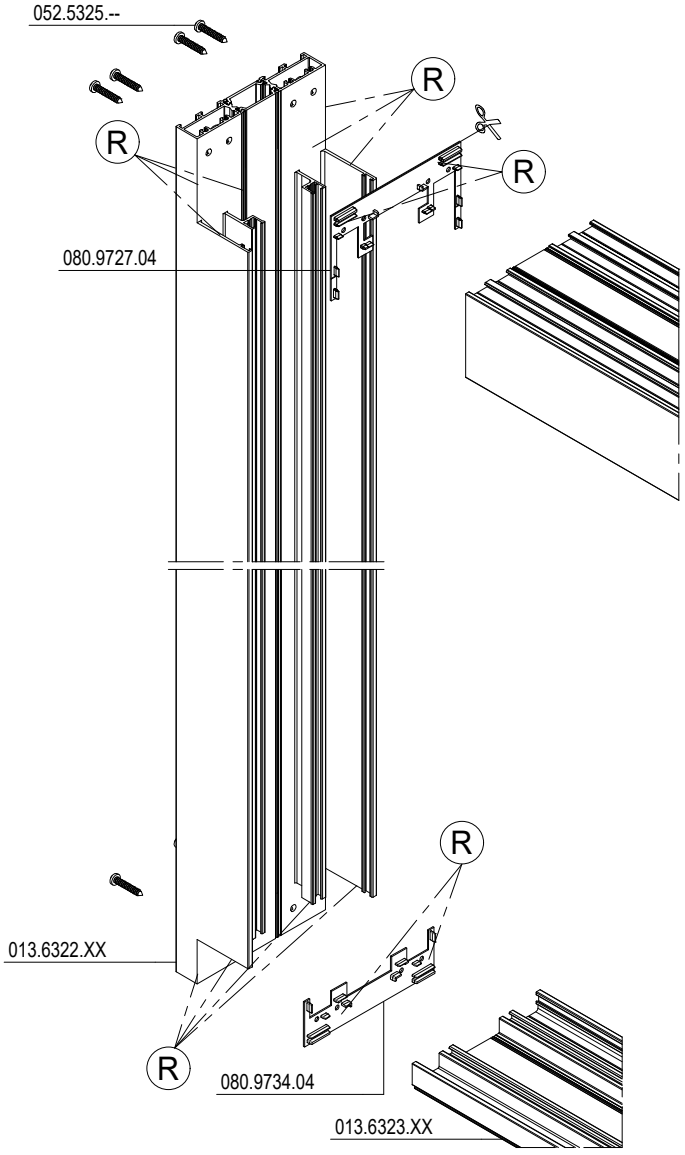

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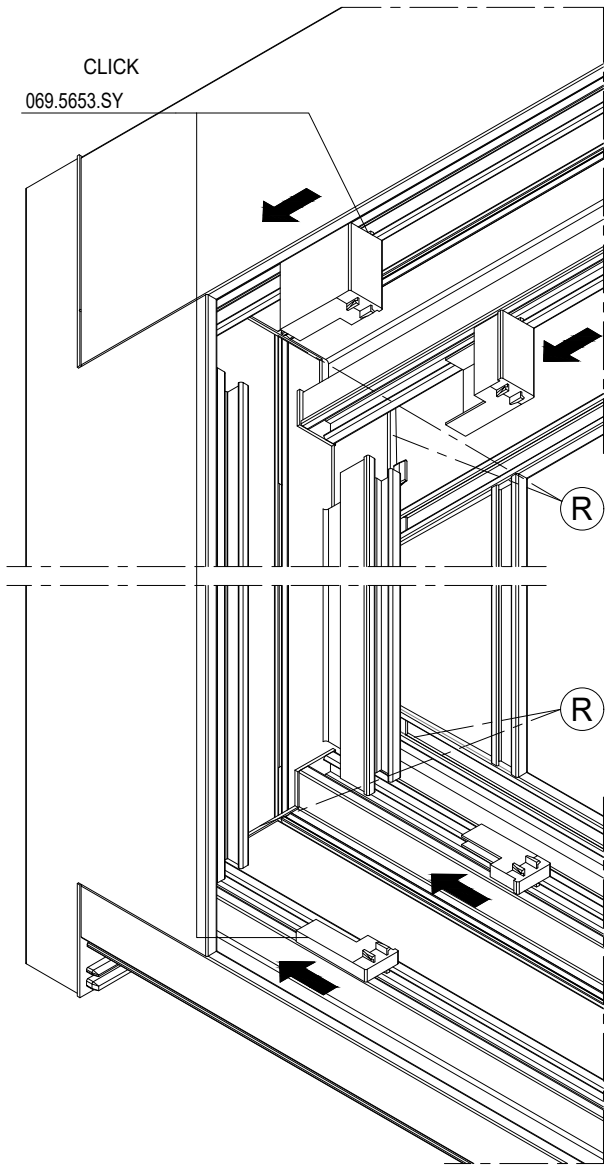

schaal - échelle
scale - Maßstab
1/2

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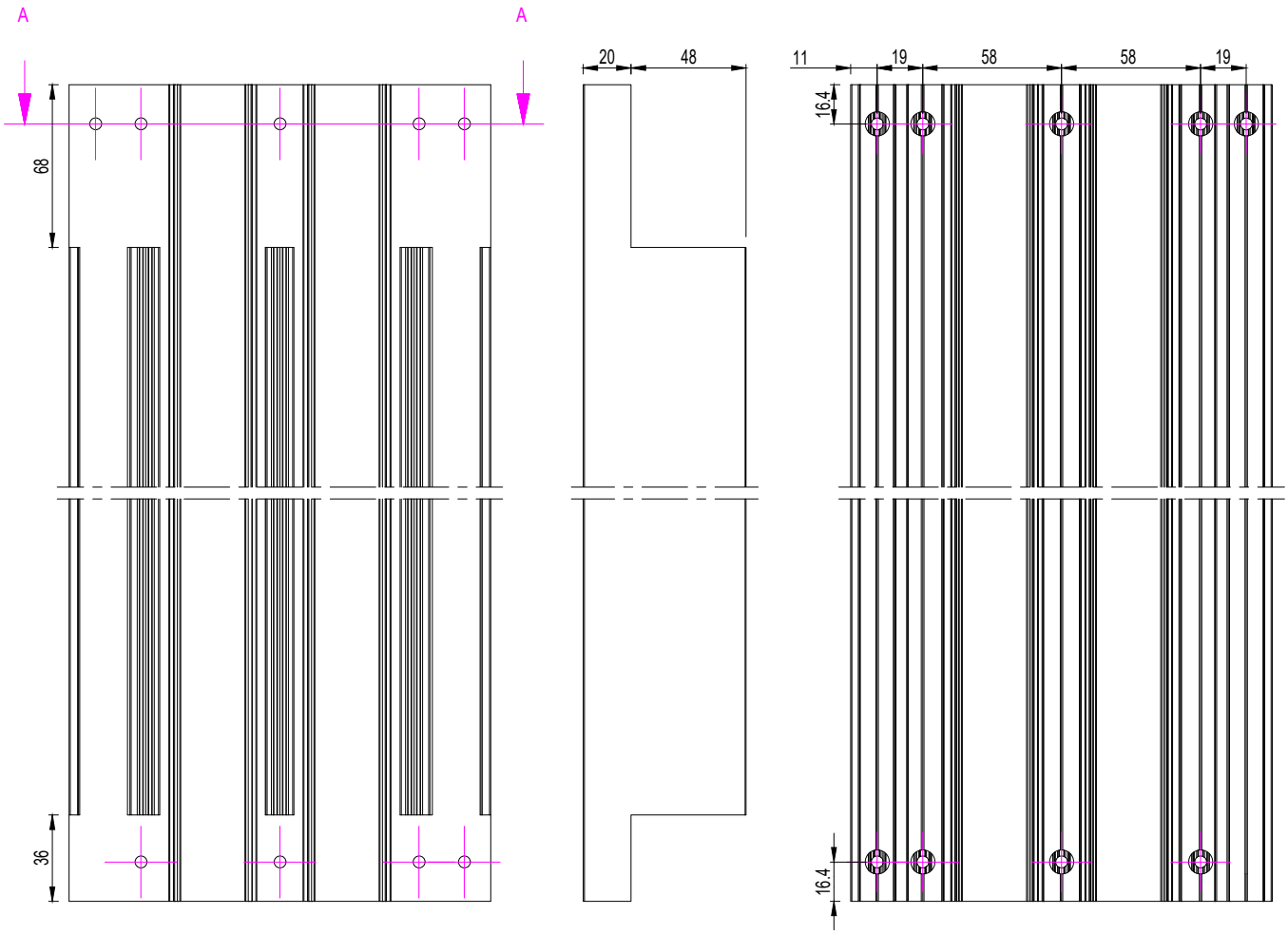

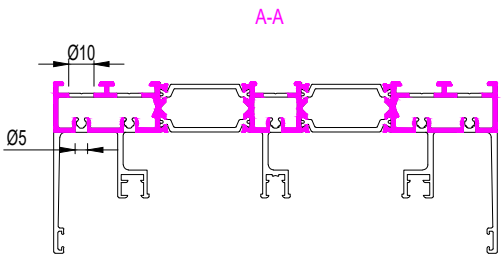

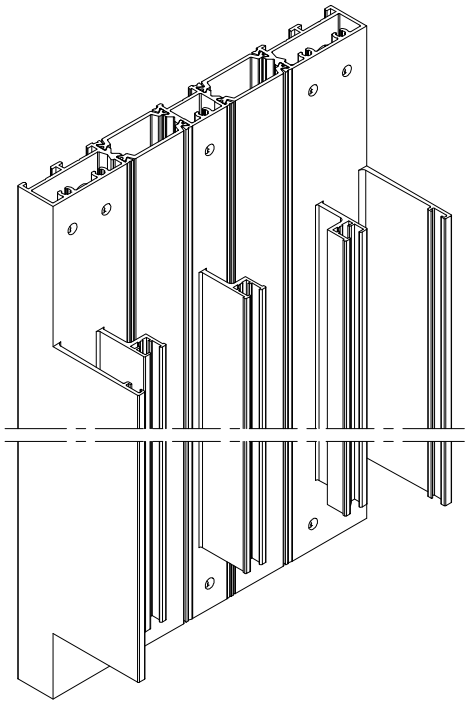

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schaal - échelle
scale - Maßstab
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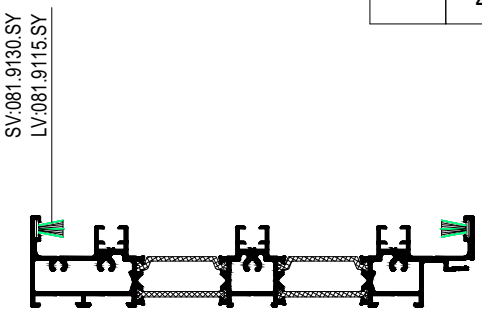
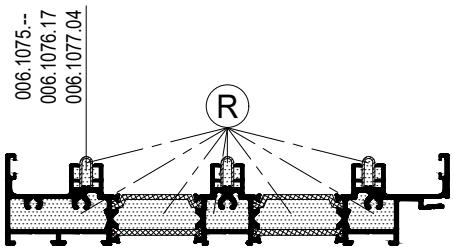
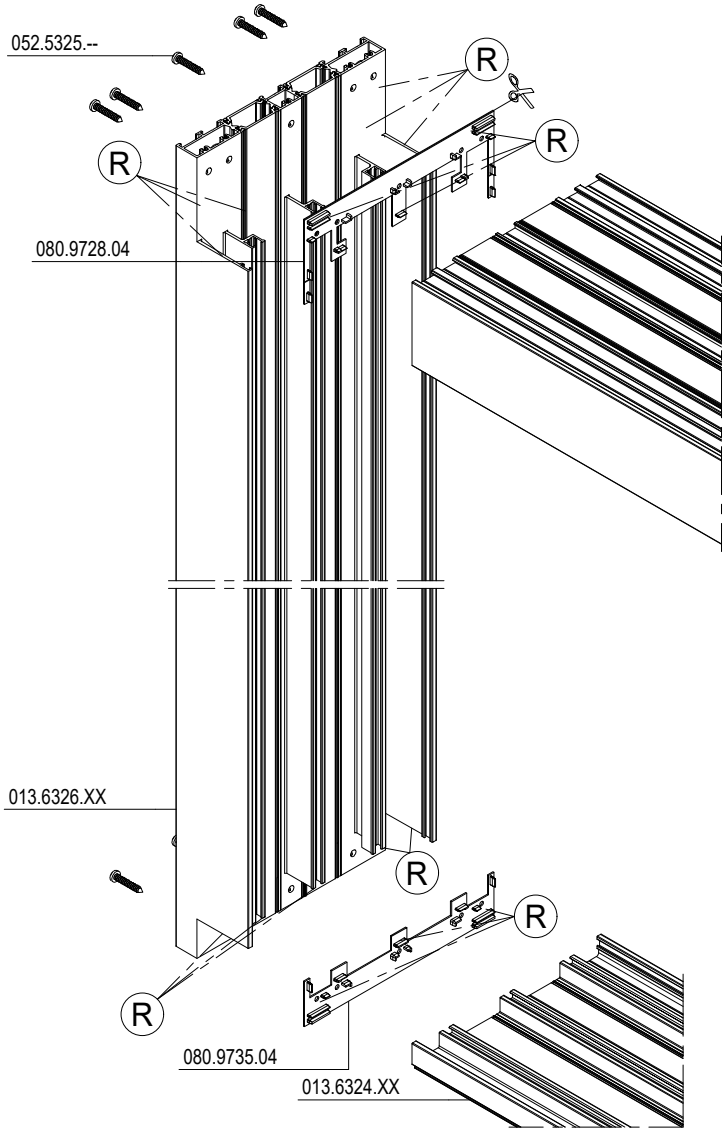
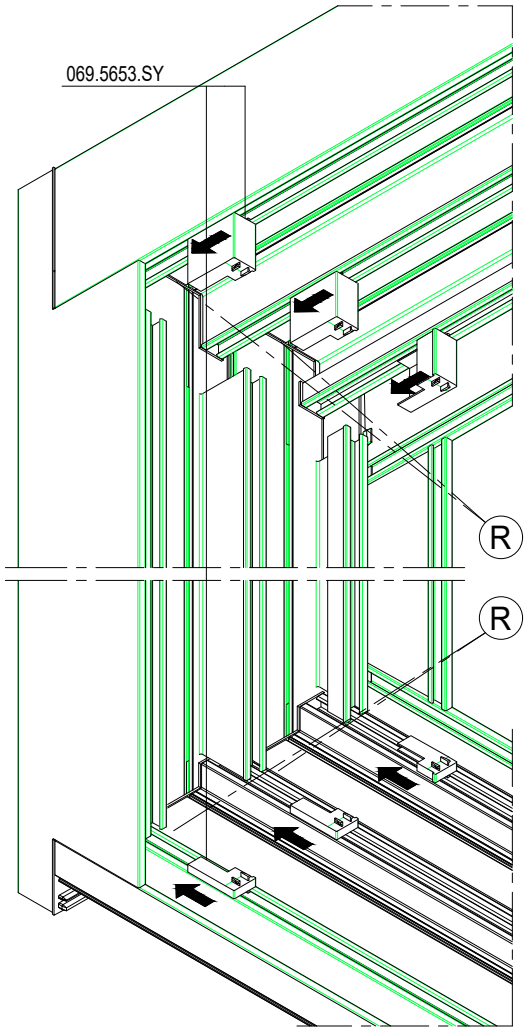
SILICONE AANBRENGEN OVER VOLLEDIGE LENGTE VAN DE RAIL
APPLIQUER DE SILICONE SUR LE LONGUEUR COMPLETE
APPLY SILICONE OVER COMPLETE LENGHT OF RAIL
ZUTREFFEN SILIKON UBER KOMPLETT LANGE DIE SCHIENE









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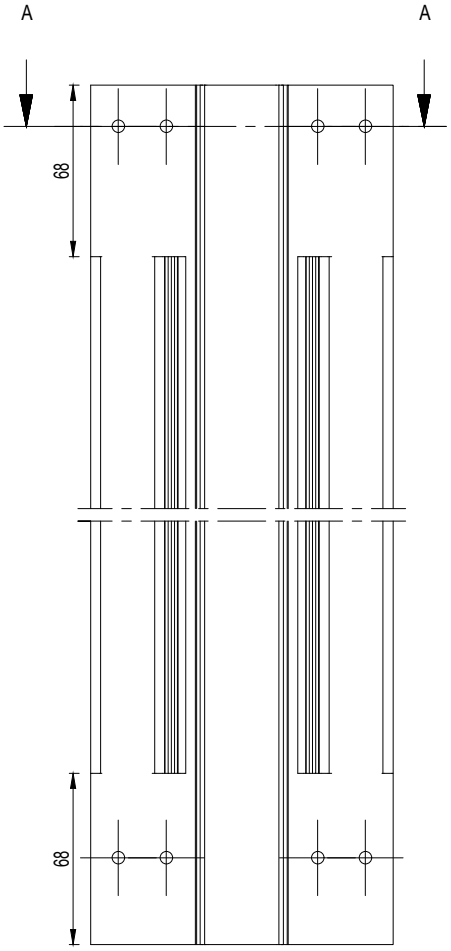
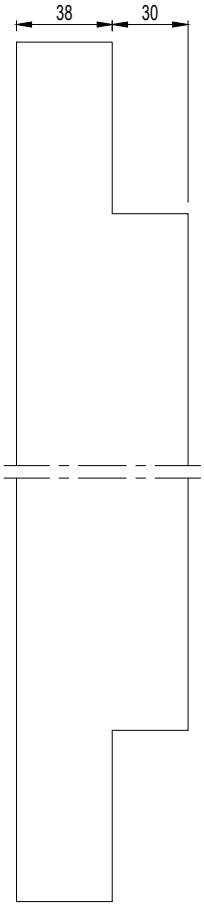
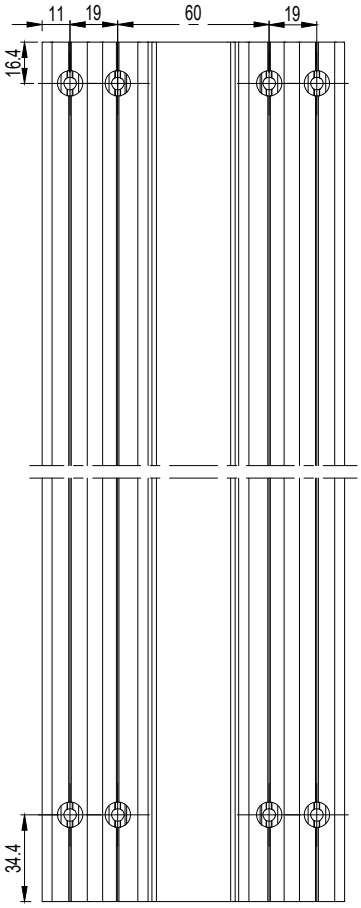
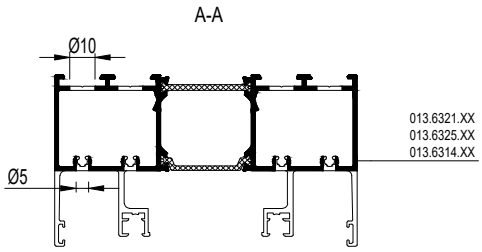
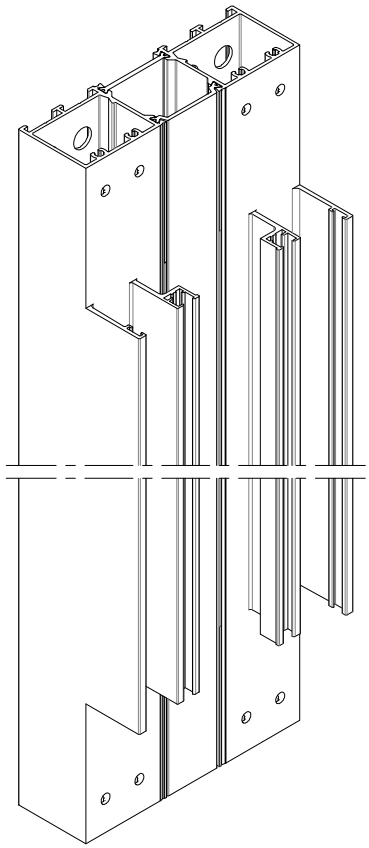
schaal - échelle
scale - Maßstab
1/2











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schaal - échelle
scale - Maßstab
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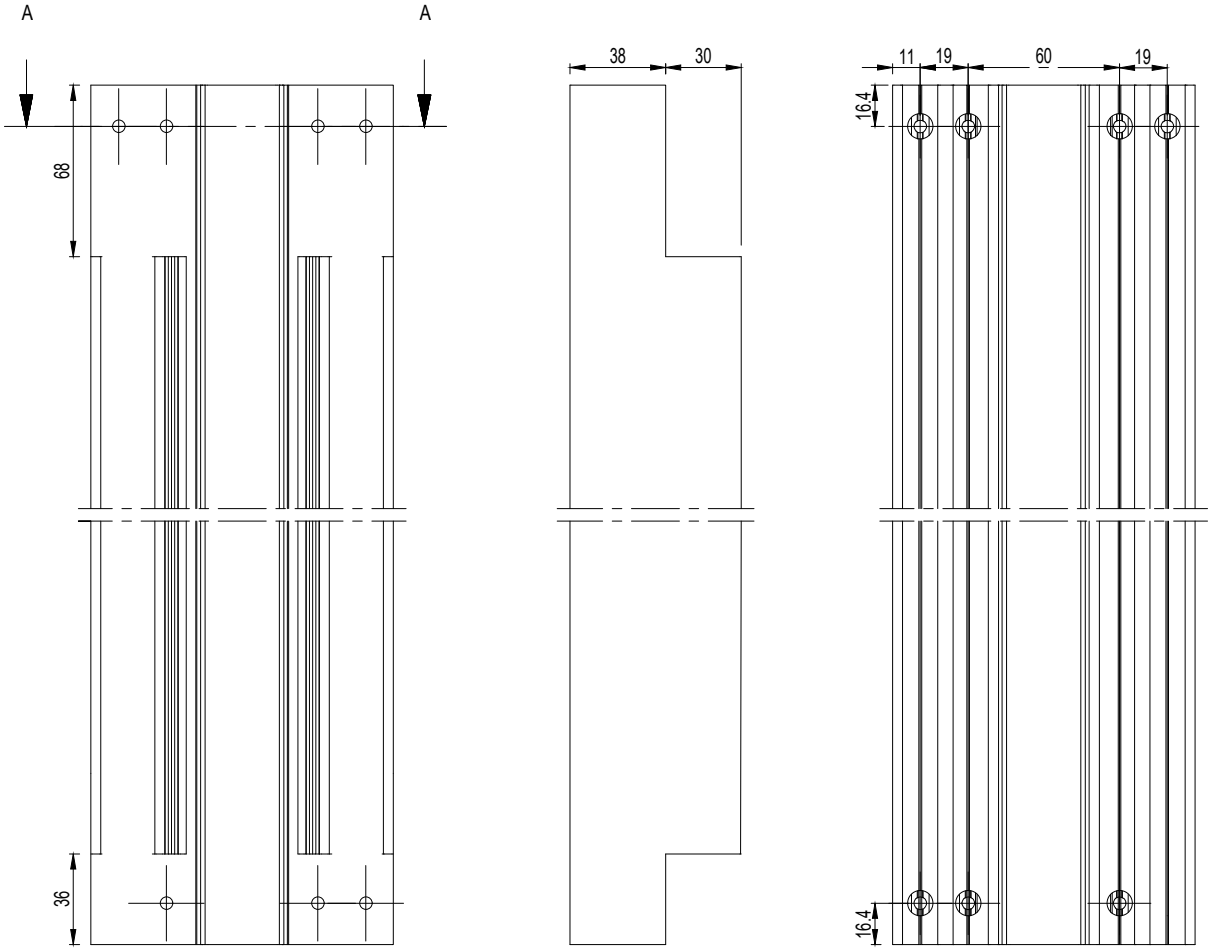

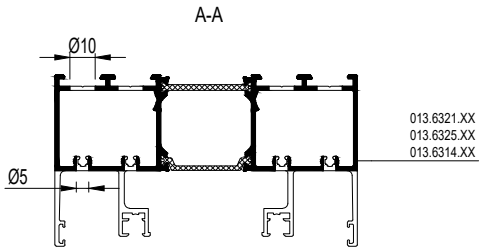

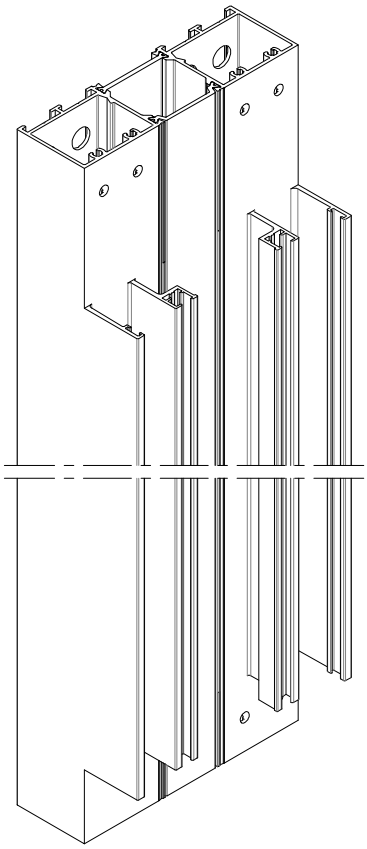

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schaal - échelle
scale - Maßstab
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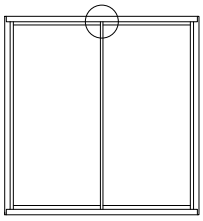

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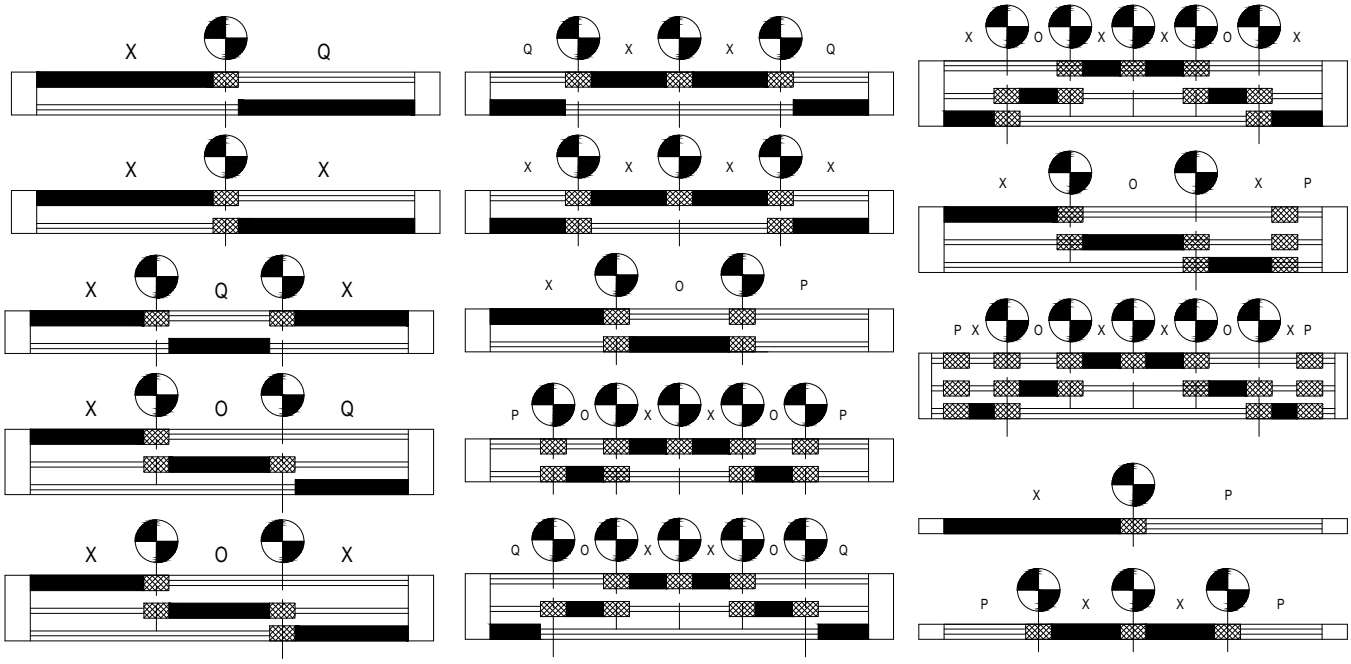

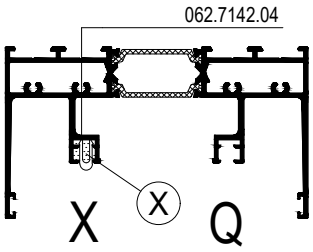

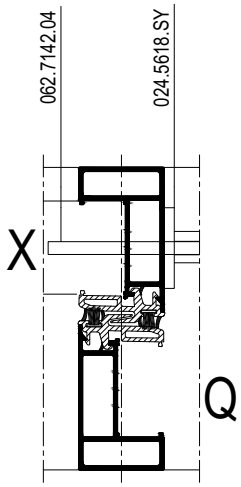

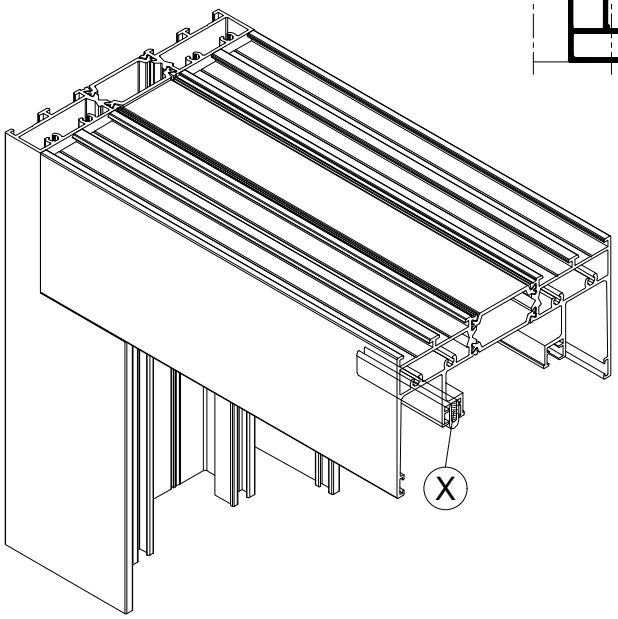

schaal - échelle
scale - Maßstab
1/2

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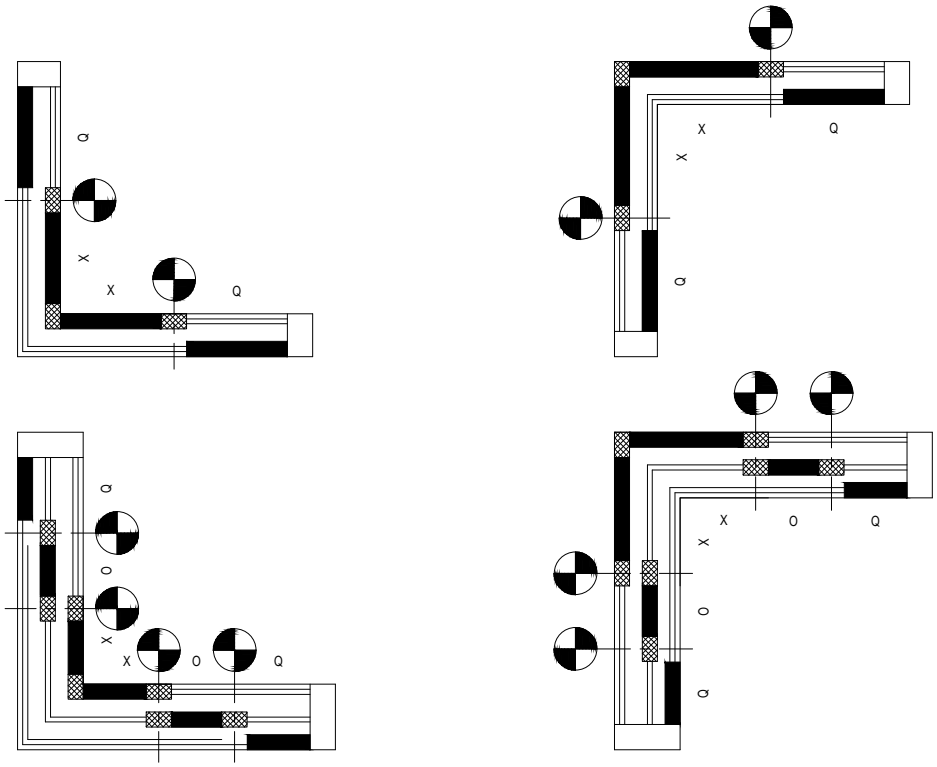
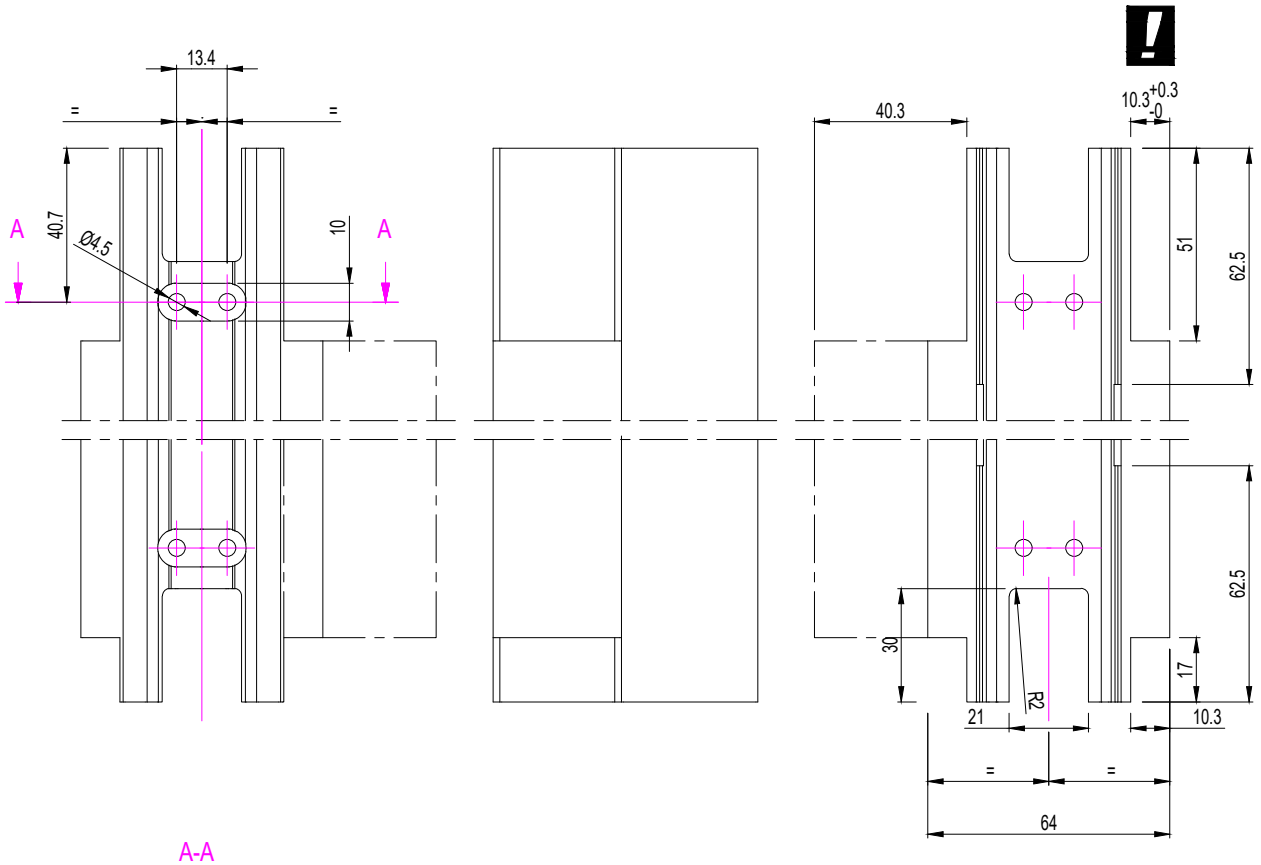


schaal - échelle
scale - Maßstab
1/2



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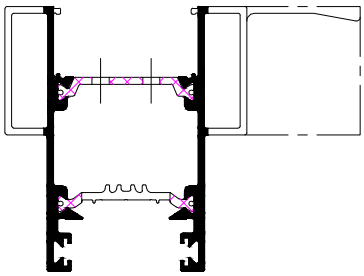
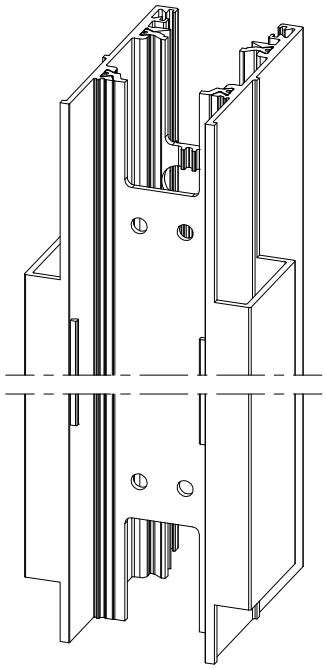
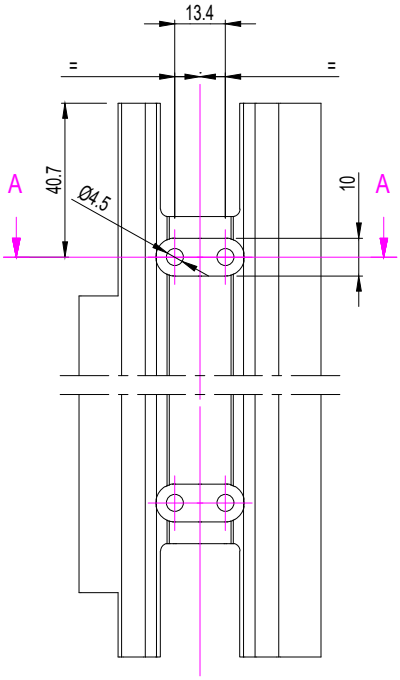
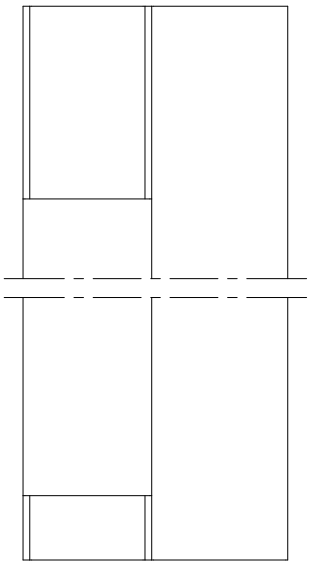


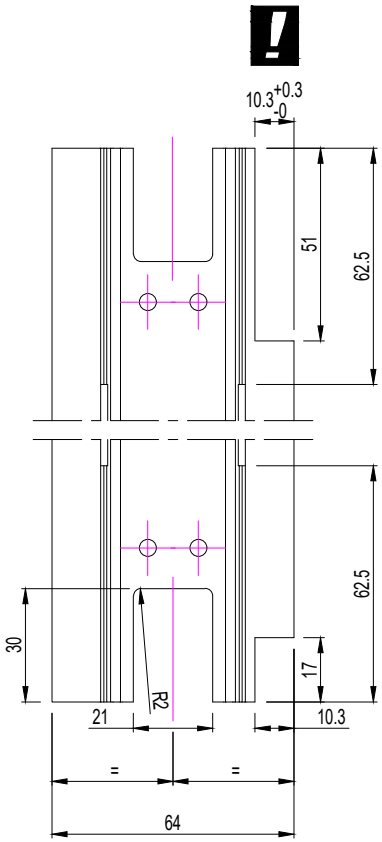


	SV
197.D400.00	013.6300.XX 013.6301.XX 013.6312.XX 013.6400.XX 013.6401.XX
- -	
-	
-	

schaal - échelle
scale - Maßstab
1/2







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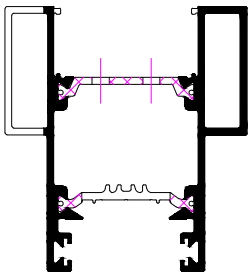
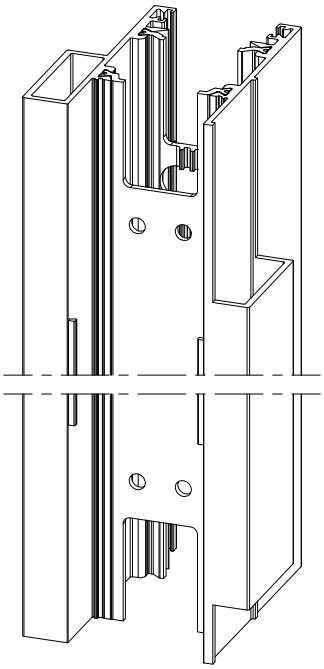
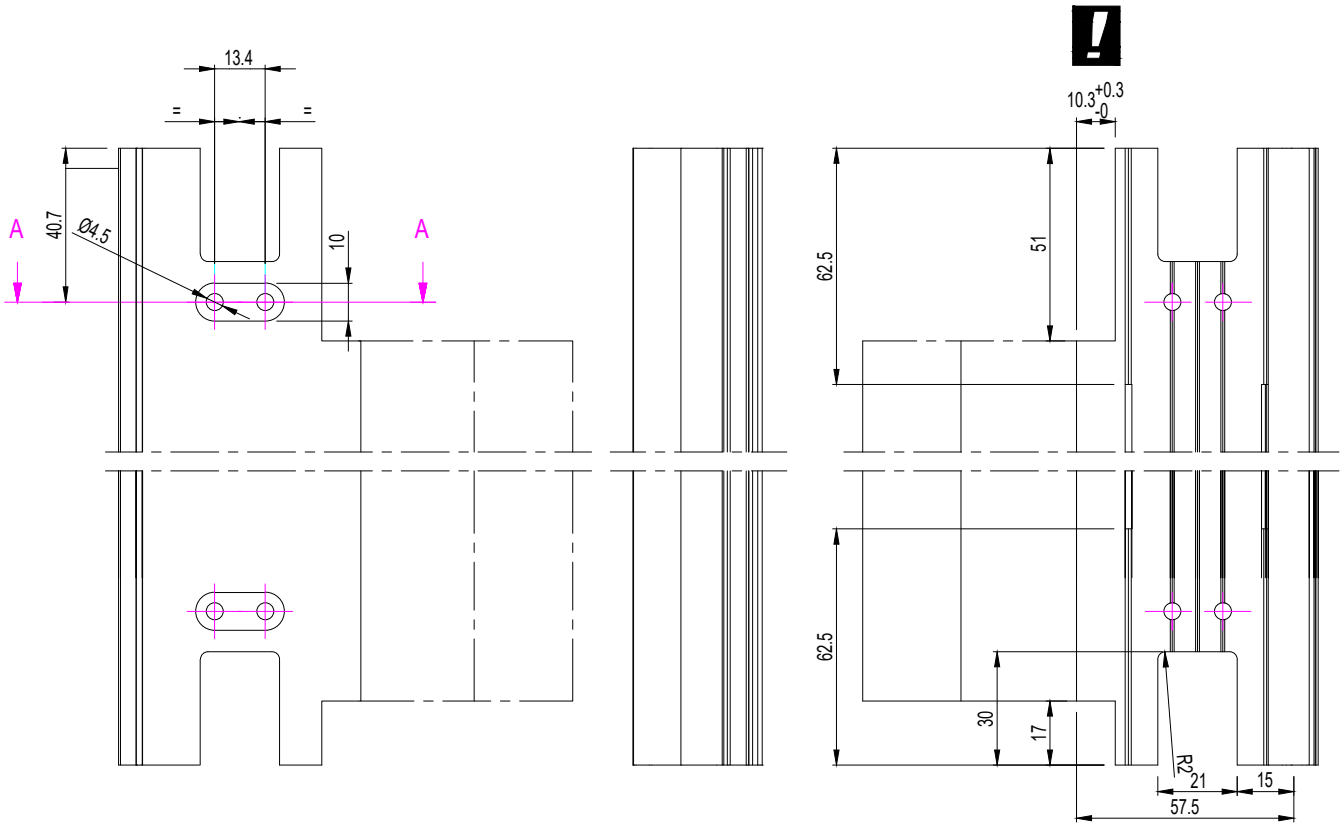


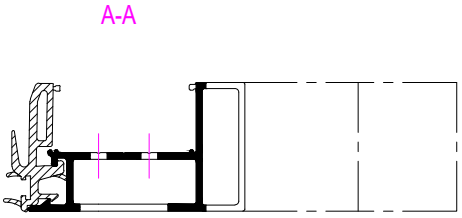


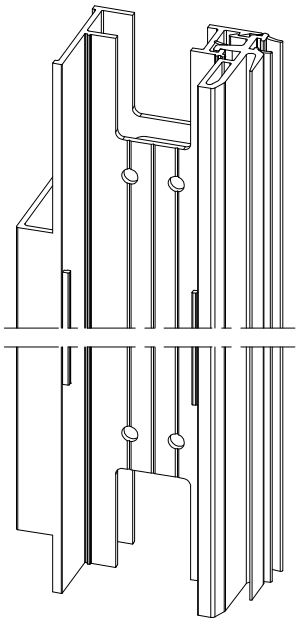
!	ALLEEN VOOR 013.6300.XX SEULEMENT POUR 013.6300.XX ONLY FOR 013.6300.XX NUR FUR 013.6300.XX

schaal - échelle
scale - Maßstab
1/2

F







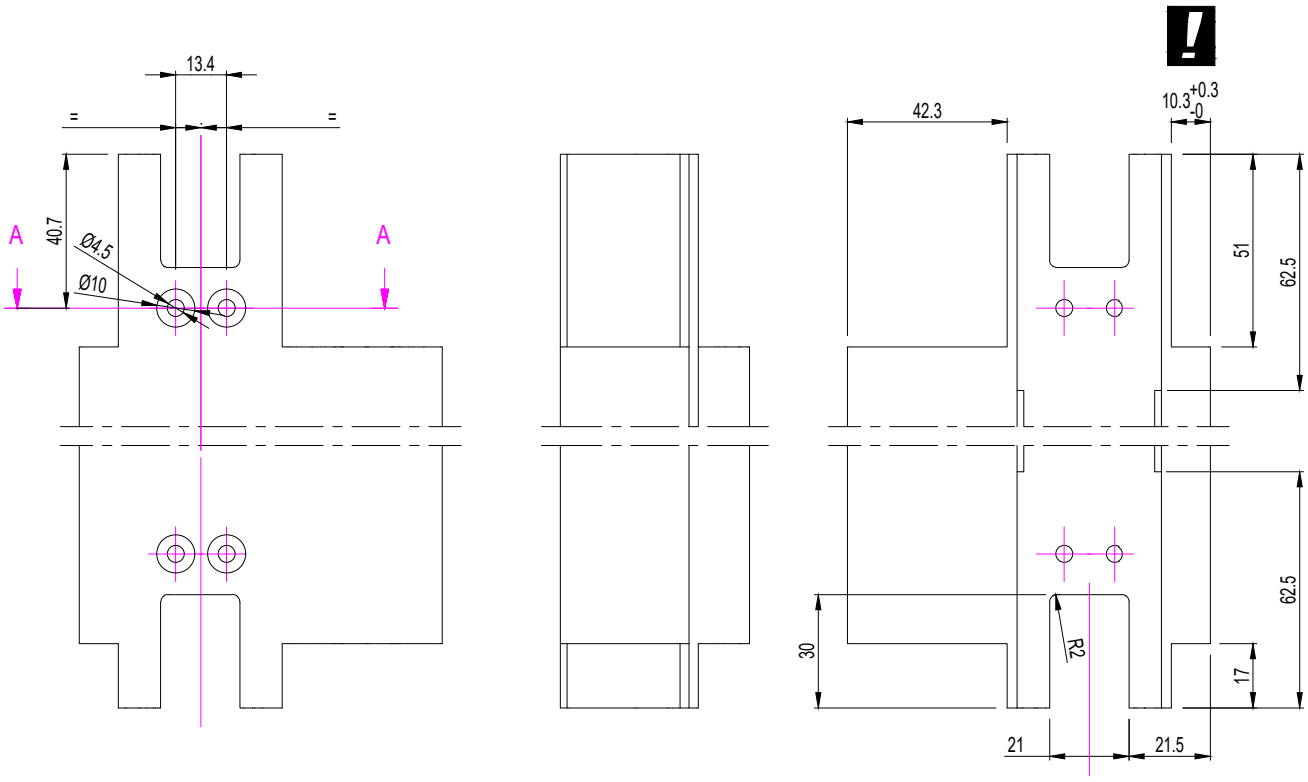
	SV
197.D400.00	013.5306.XX 013.6302.XX 013.6303.XX 013.6304.XX
- -	013.5328.SY
-	
-	

INSTALLEER PVC PROFIEL VOOR BEWERKEN
INSTALLER LE PROFIL PVC AVANT L'OPERATION
INSTALL PVC PROFILE BEFORE OPERATION
INSTALLIEREN SIE PVC-PROFIL FUR BEARBEITUNG

schaal - échelle
scale - Maßstab
1/2

F

schaal - échelle
scale - Maßstab
1/2



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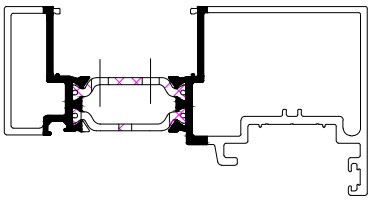
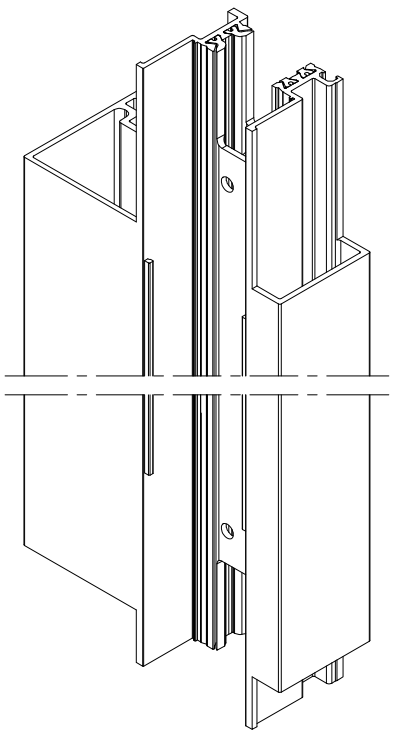
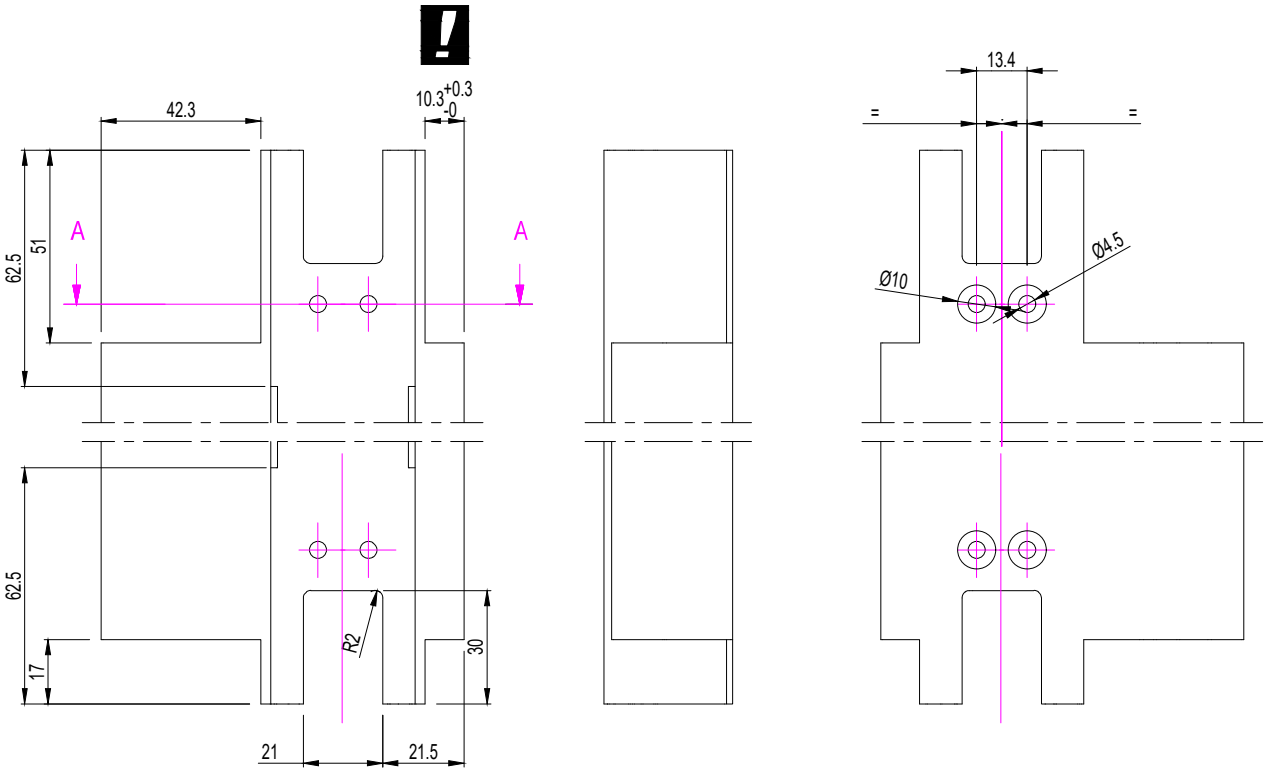




	SV
-	013.6316.XX 013.6317.XX
- -	
095.B131.00	
097.0823.00	

F



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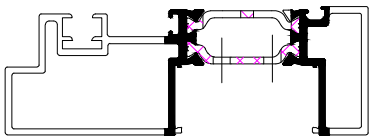
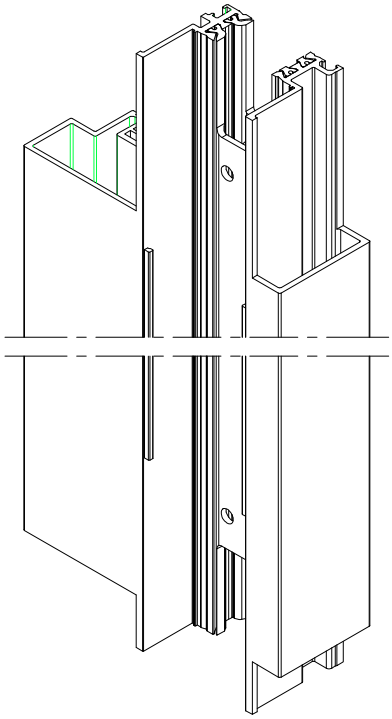
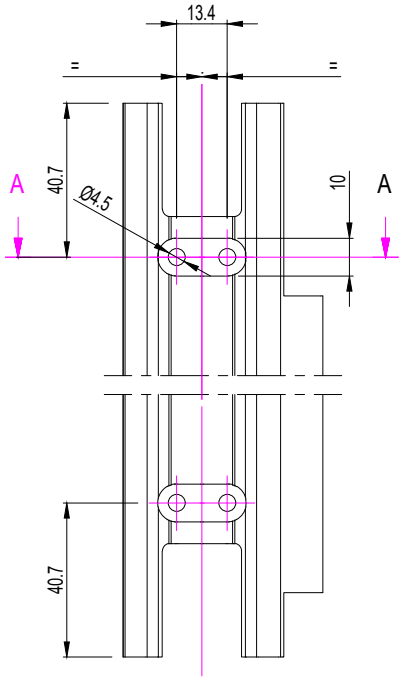
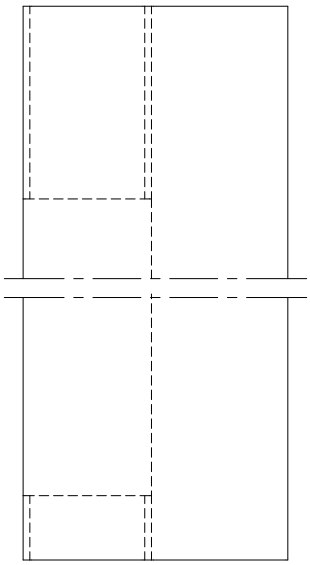


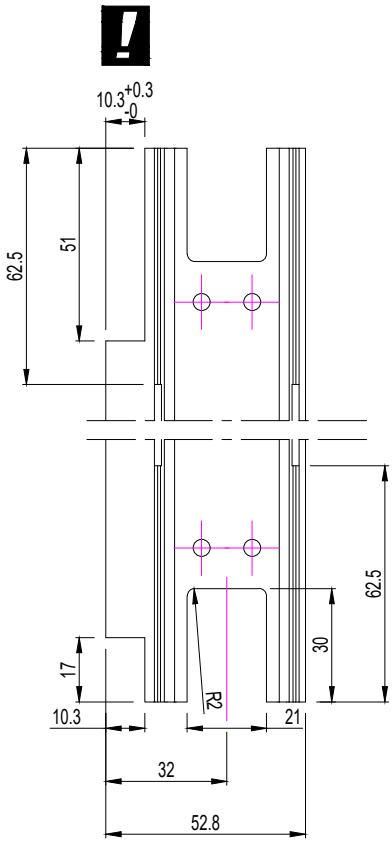


SlimPatio 68

BEWERKING VLEUGEL POCKET SV
OPERATION OUVRANT POCKET SV
OPERATION VENT POCKET SV
BEARBEITUNG FLUGEL POCKET SV







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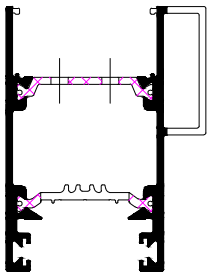

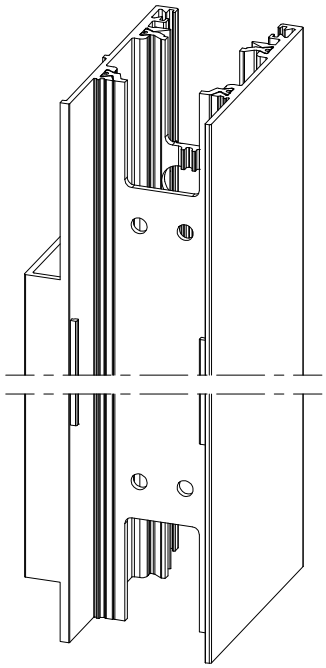

		SV
	197.D400.00	013.5306.XX
	-	
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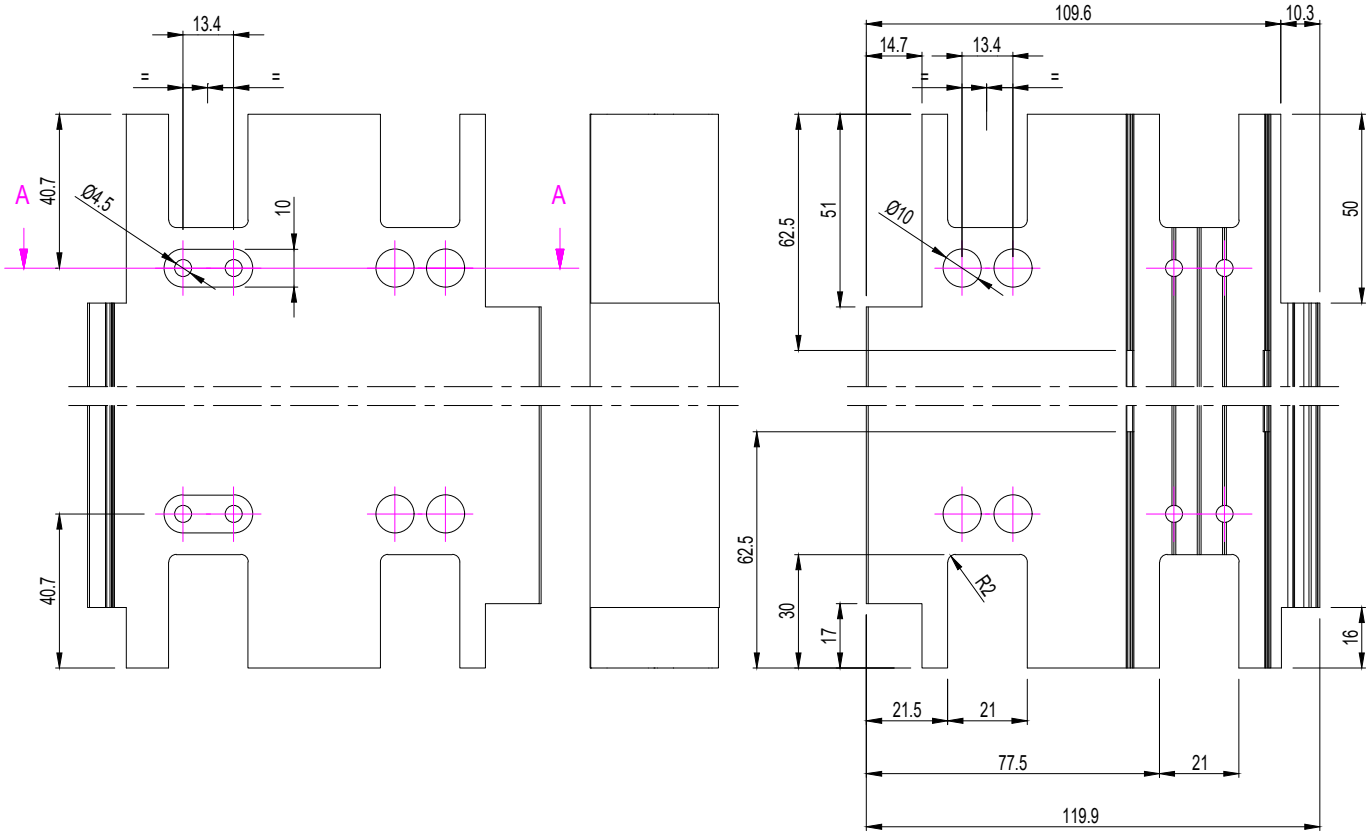
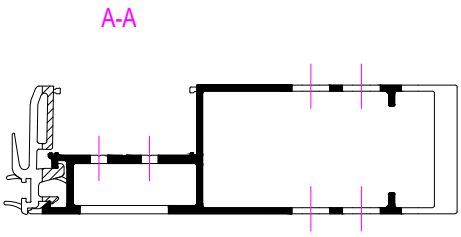
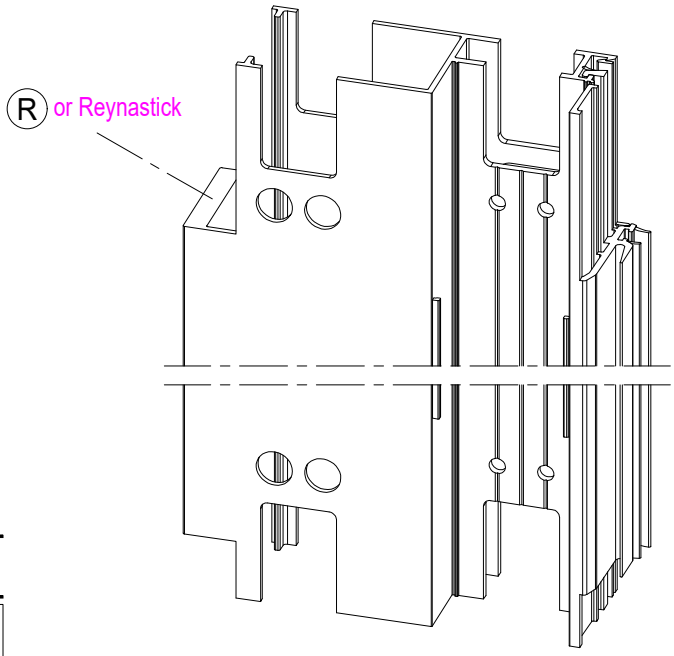
schaal - échelle
scale - Maßstab
1/2







	SV
197.D400.00	013.6304.XX 013.5328.SY
- -	
095.B131.00	
097.0334.00	

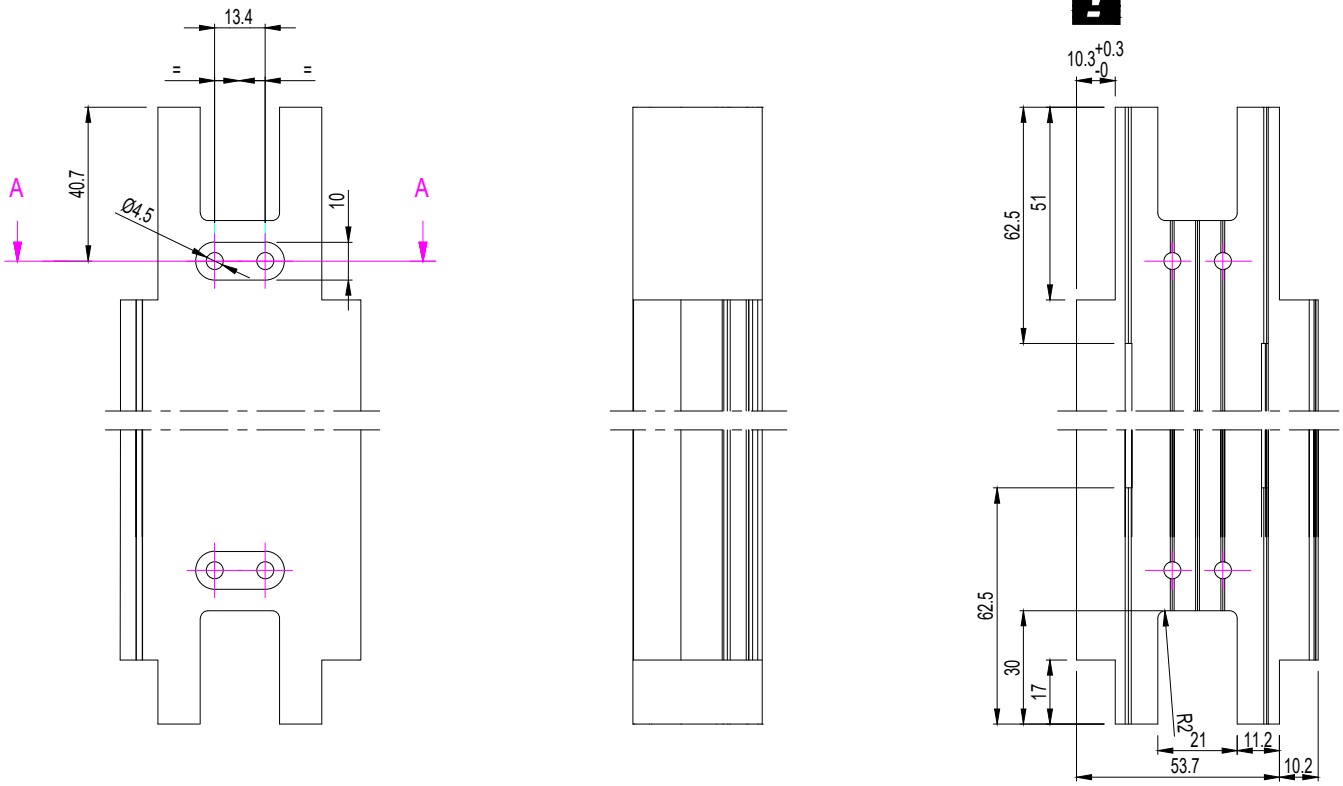
INSTALLEER PVC PROFIEL VOOR BEWERKEN
INSTALLER LE PROFIL PVC AVANT L'OPERATION
INSTALL PVC PROFILE BEFORE OPERATION
INSTALLIEREN SIE PVC-PROFIL FUR BEARBEITUNG

schaal - échelle
scale - Maßstab
1/2

F

SlimPatio 68

BEWERKING VLEUGEL POCKET SV
OPERATION OUVRANT POCKET SV
OPERATION VENT POCKET SV
BEARBEITUNG FLUGEL POCKET SV



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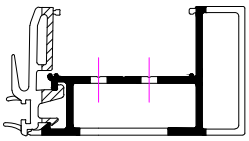

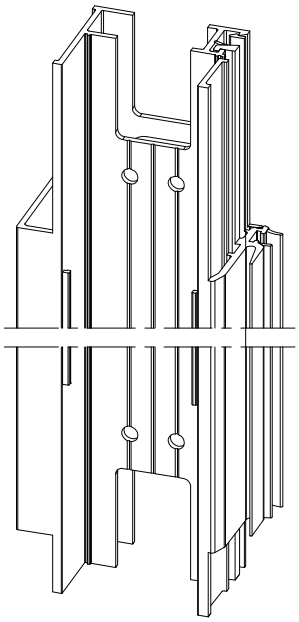

	SV
197.D400.00	013.6302.XX 013.5328.SY
- -	
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-	

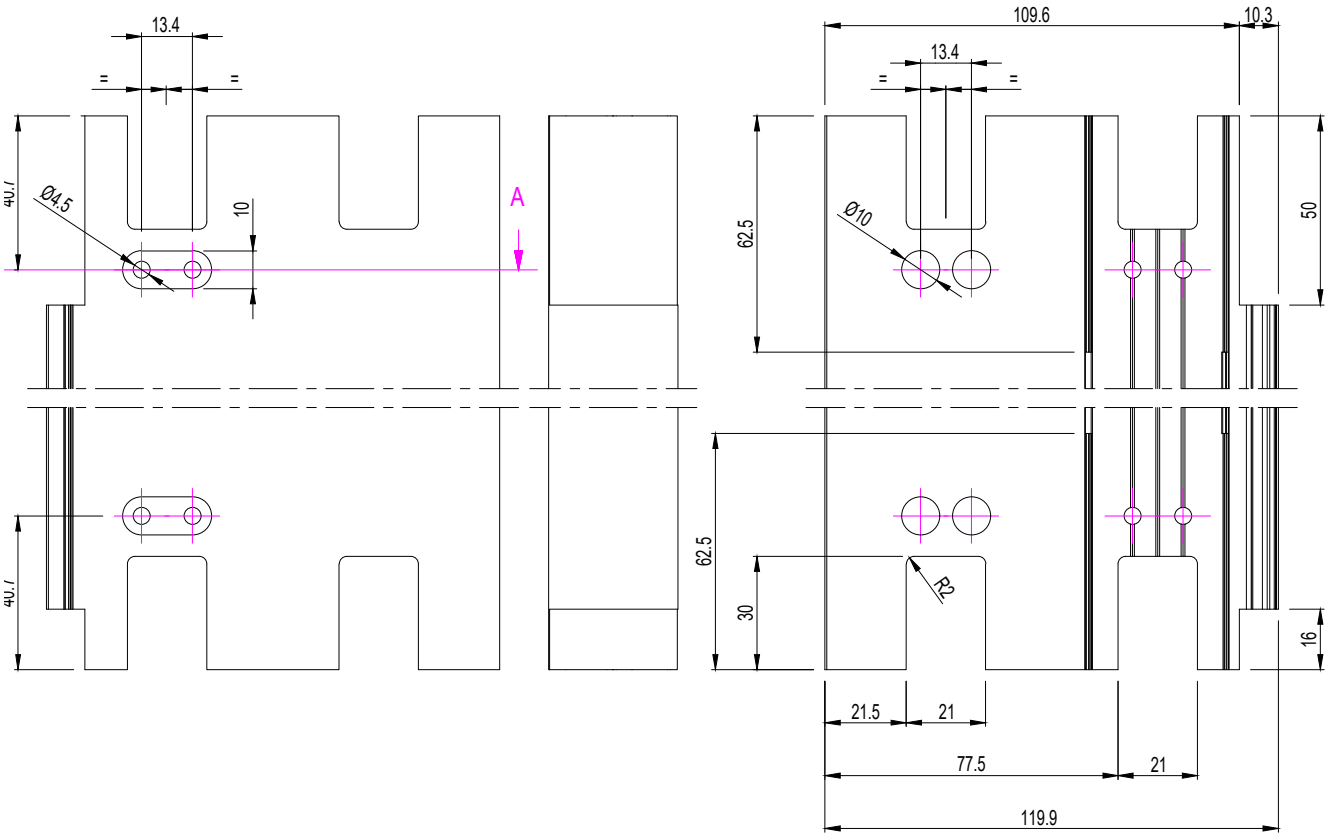
INSTALLEER PVC PROFIEL VOOR BEWERKEN
INSTALLER LE PROFIL PVC AVANT L'OPERATION
INSTALL PVC PROFILE BEFORE OPERATION
INSTALLIEREN SIE PVC-PROFIL FUR BEARBEITUNG

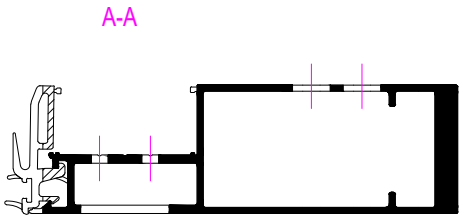
schaal - échelle
scale - Maßstab
1/2

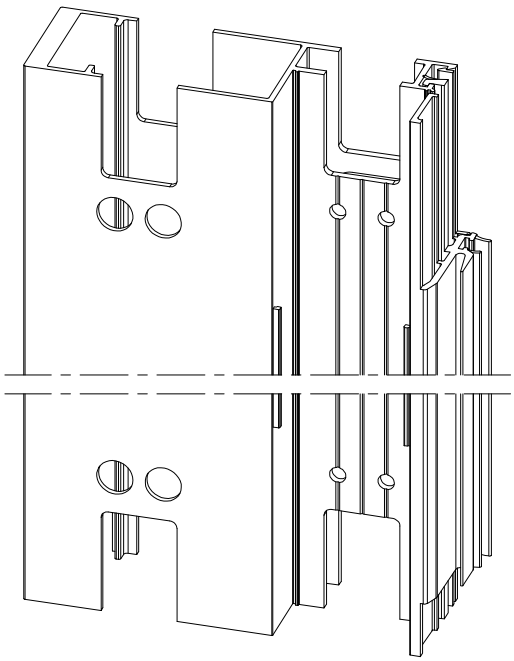
F

F

schaal - échelle
scale - Maßstab
1/2



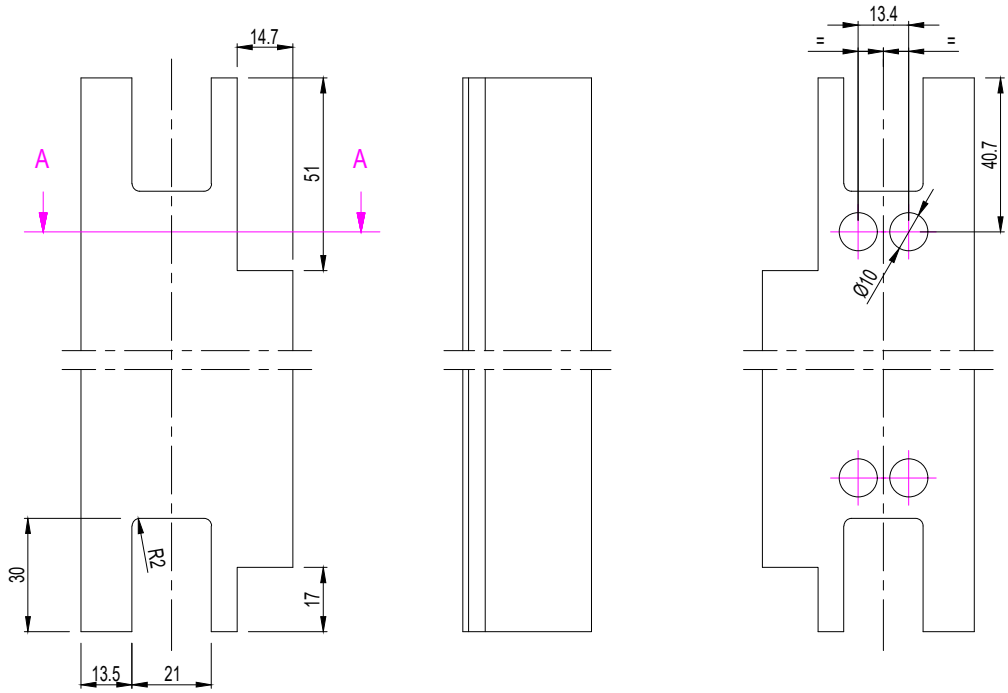


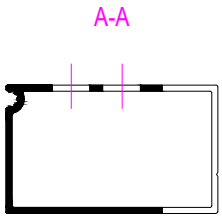


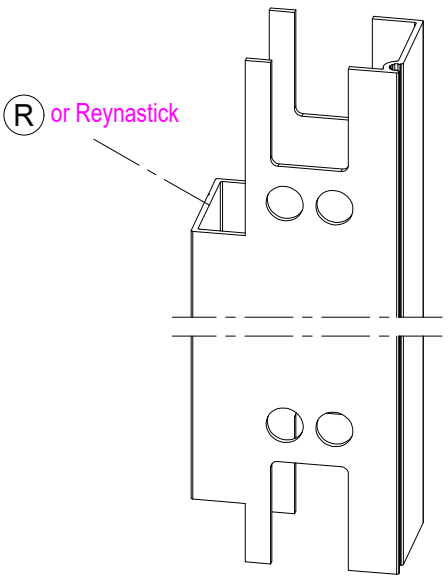
	SV
197.D400.00	013.6304.XX 013.5328.SY
- -	
095.B131.00	
097.0334.00	

INSTALLEER PVC PROFIEL VOOR BEWERKEN
INSTALLER LE PROFIL PVC AVANT L'OPERATION
INSTALL PVC PROFILE BEFORE OPERATION
INSTALLIEREN SIE PVC-PROFIL FUR BEARBEITUNG

schaal - échelle
scale - Maßstab
1/2







	LV
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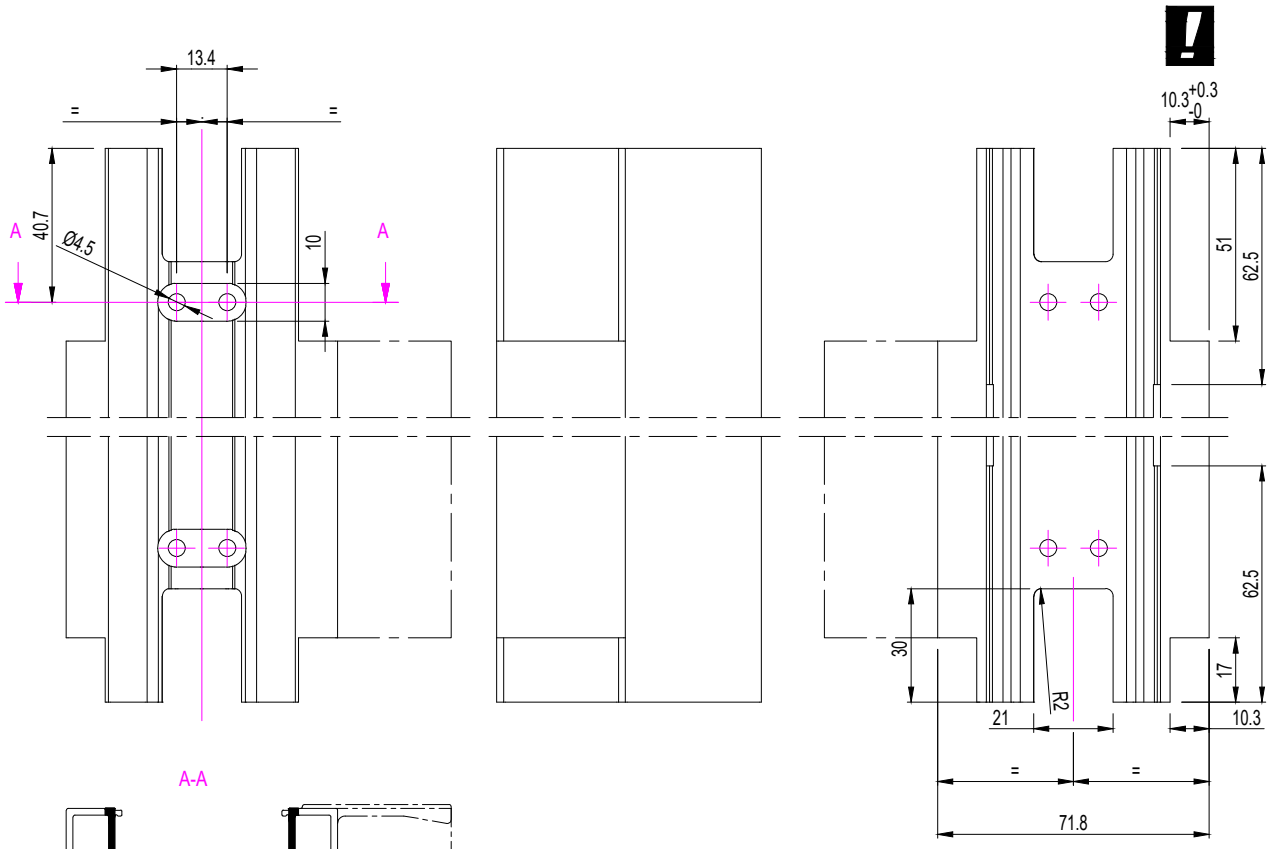
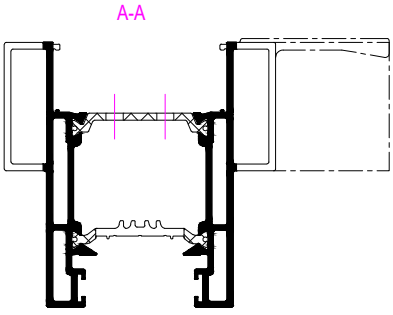
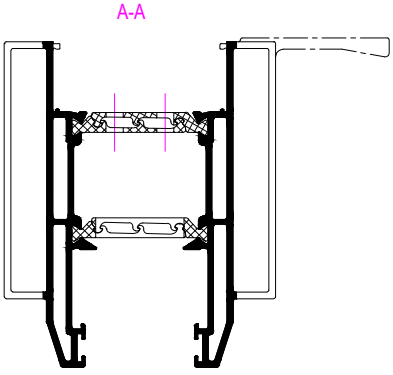
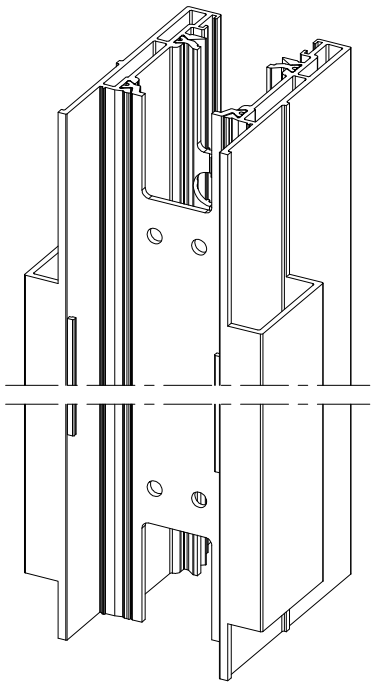
-	

schaal - échelle
scale - Maßstab
1/2



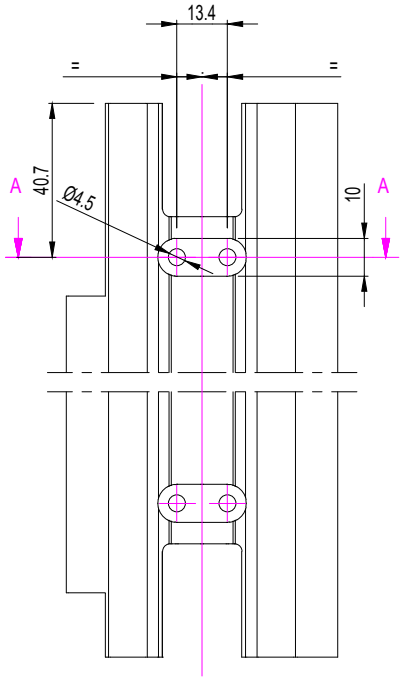


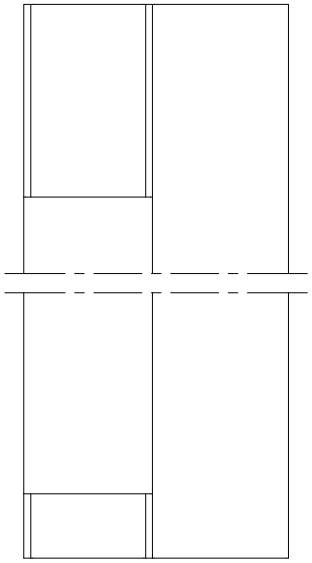


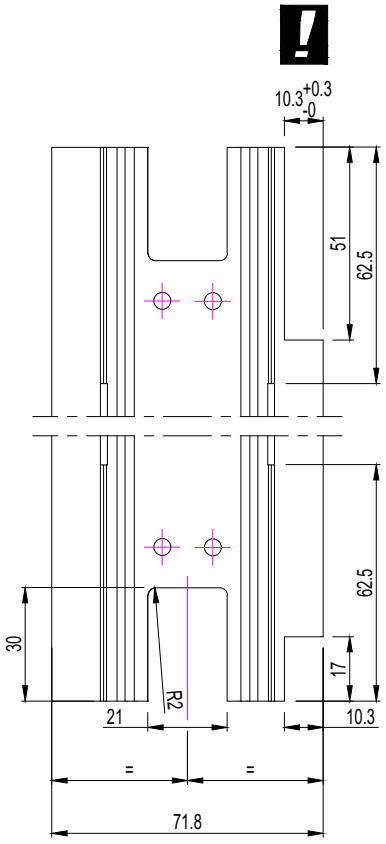


	LV
197.D400.00	013.5303.XX 013.6310.XX 013.6311.XX 013.6313.XX 013.6410.XX 013.6411.XX
- -	
-	
097.0876.00	013.6340.XX 013.6342.XX 013.6344.XX

schaal - échelle
scale - Maßstab
1/2







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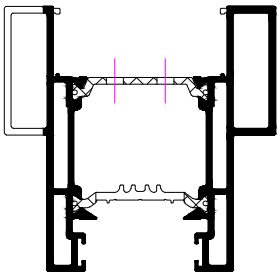

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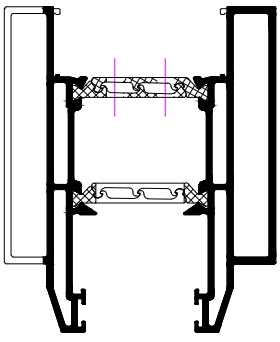
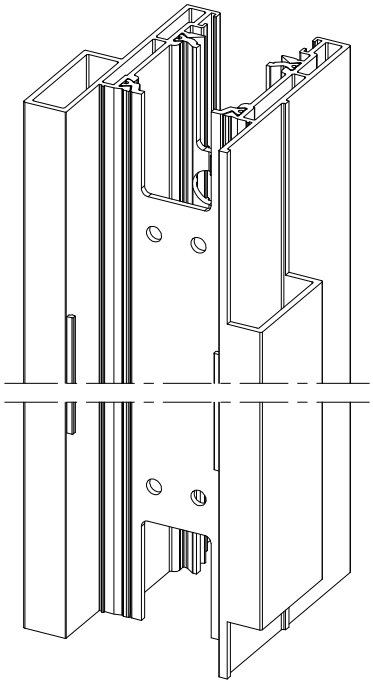
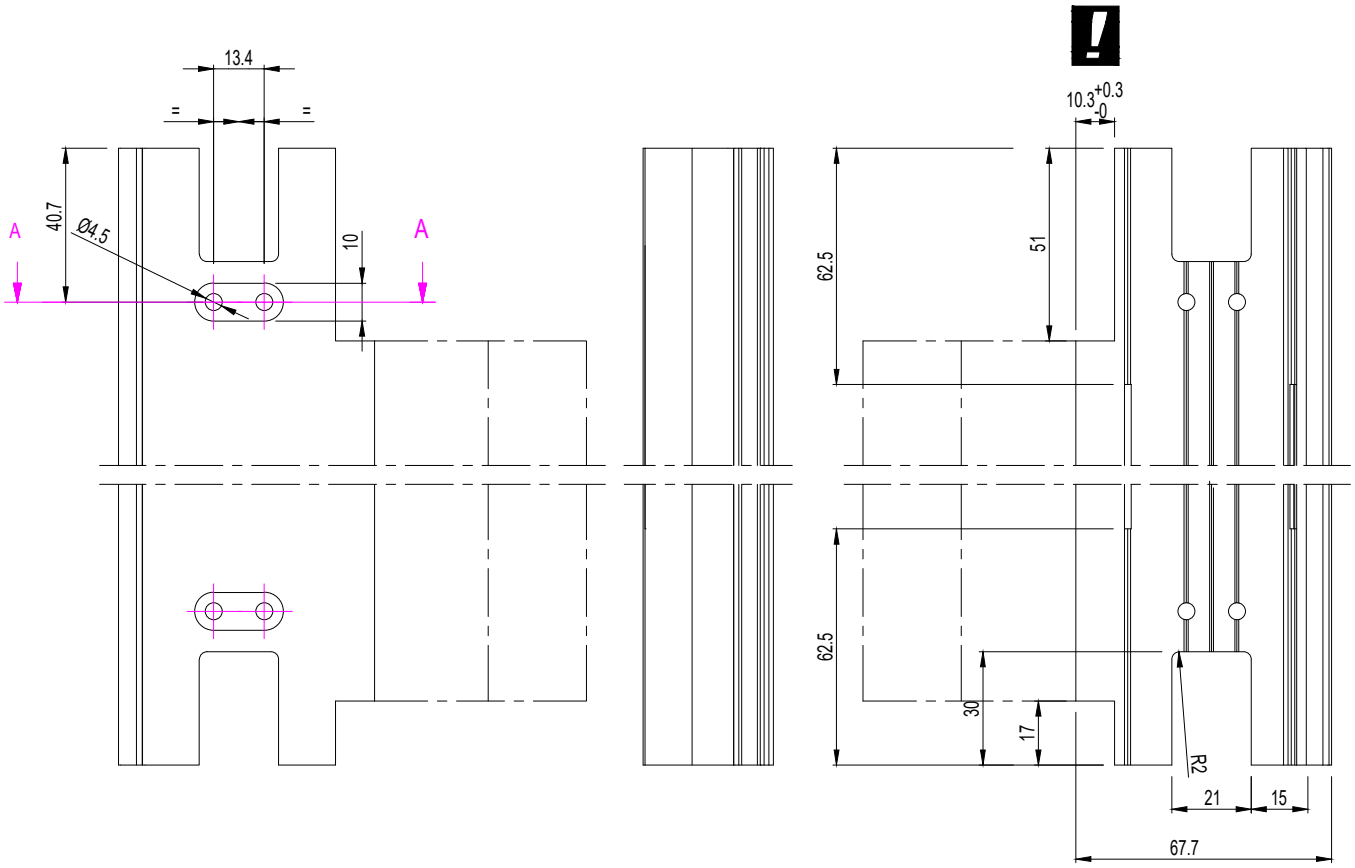


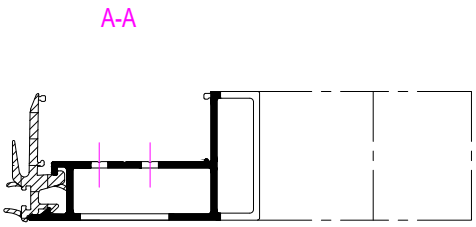


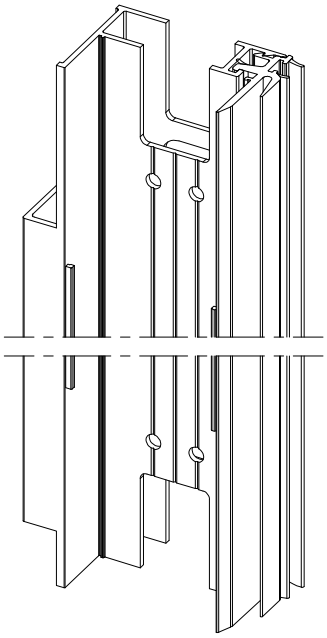
F

ALLEEN VOOR 013.6310.XX/013.6340.XX
SEULEMENT POUR 013.6310.XX/013.6340.XX
ONLY FOR 013.6310.XX/013.6340.XX
NUR FUR 013.6310.XX/013.6340.XX

schaal - échelle
scale - Maßstab
1/2







	LV
197.D400.00	013.5309.XX 013.6307.XX 013.6308.XX 013.6309.XX
- -	013.5329.SY
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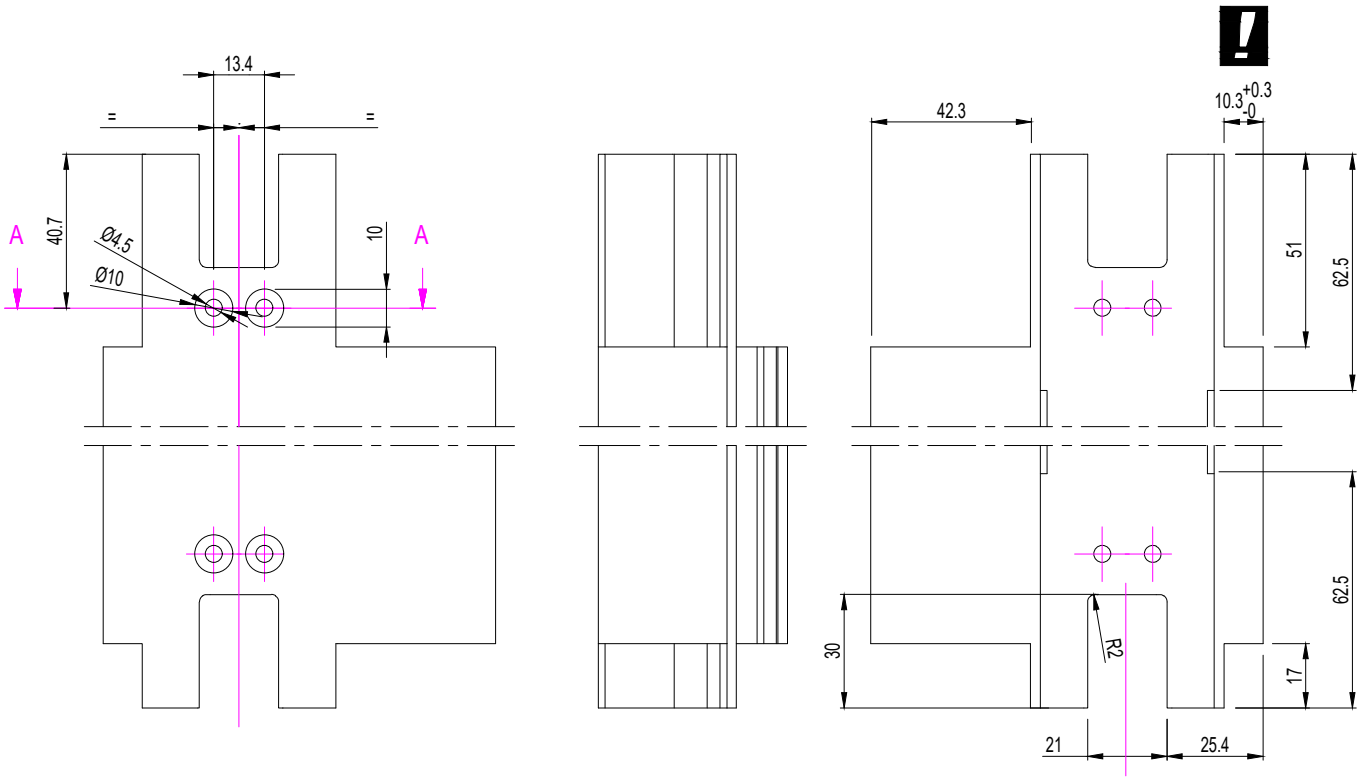
-	

INSTALLEER PVC PROFIEL VOOR BEWERKEN
INSTALLER LE PROFIL PVC AVANT L'OPERATION
INSTALL PVC PROFILE BEFORE OPERATION
INSTALLIEREN SIE PVC-PROFIL FUR BEARBEITUNG

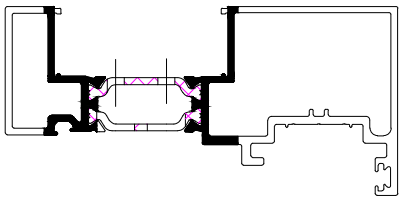
schaal - échelle
scale - Maßstab
1/2

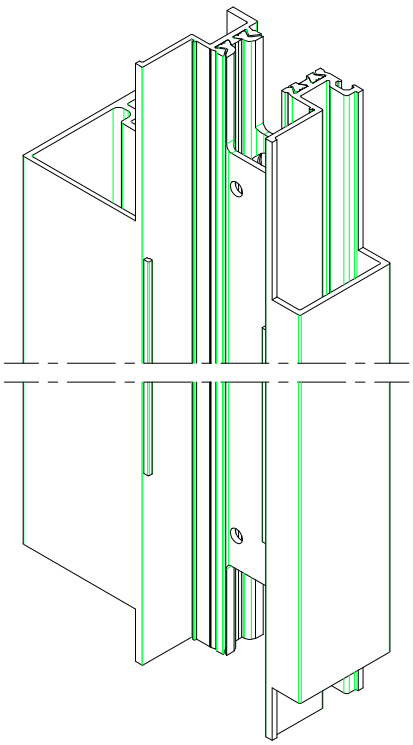
F

schaal - échelle
scale - Maßstab
1/2



A-A





	LV
-	013.6318.XX 013.6319.XX
- -	
095.B131.00	
097.0823.00	

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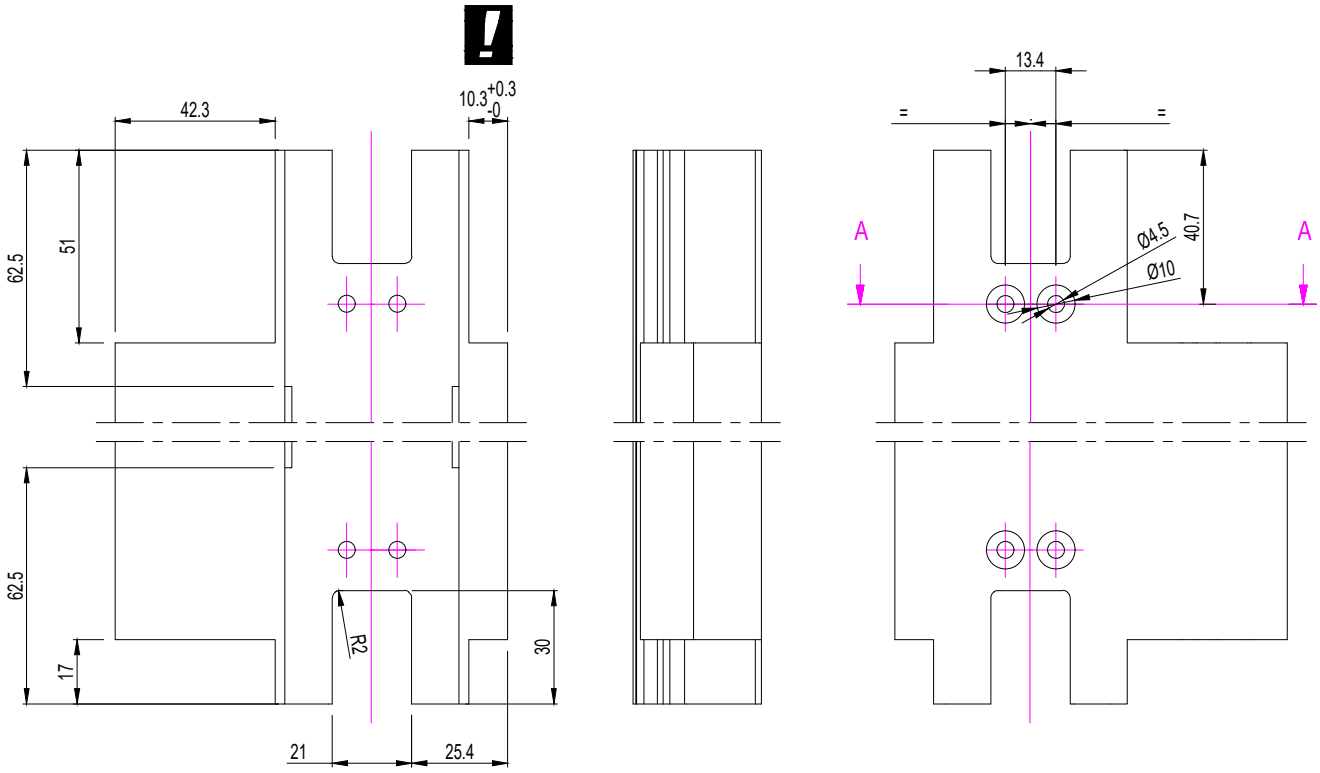
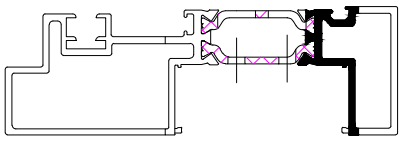
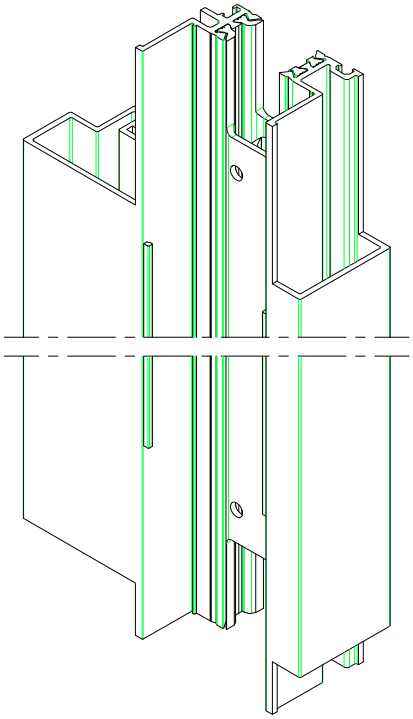
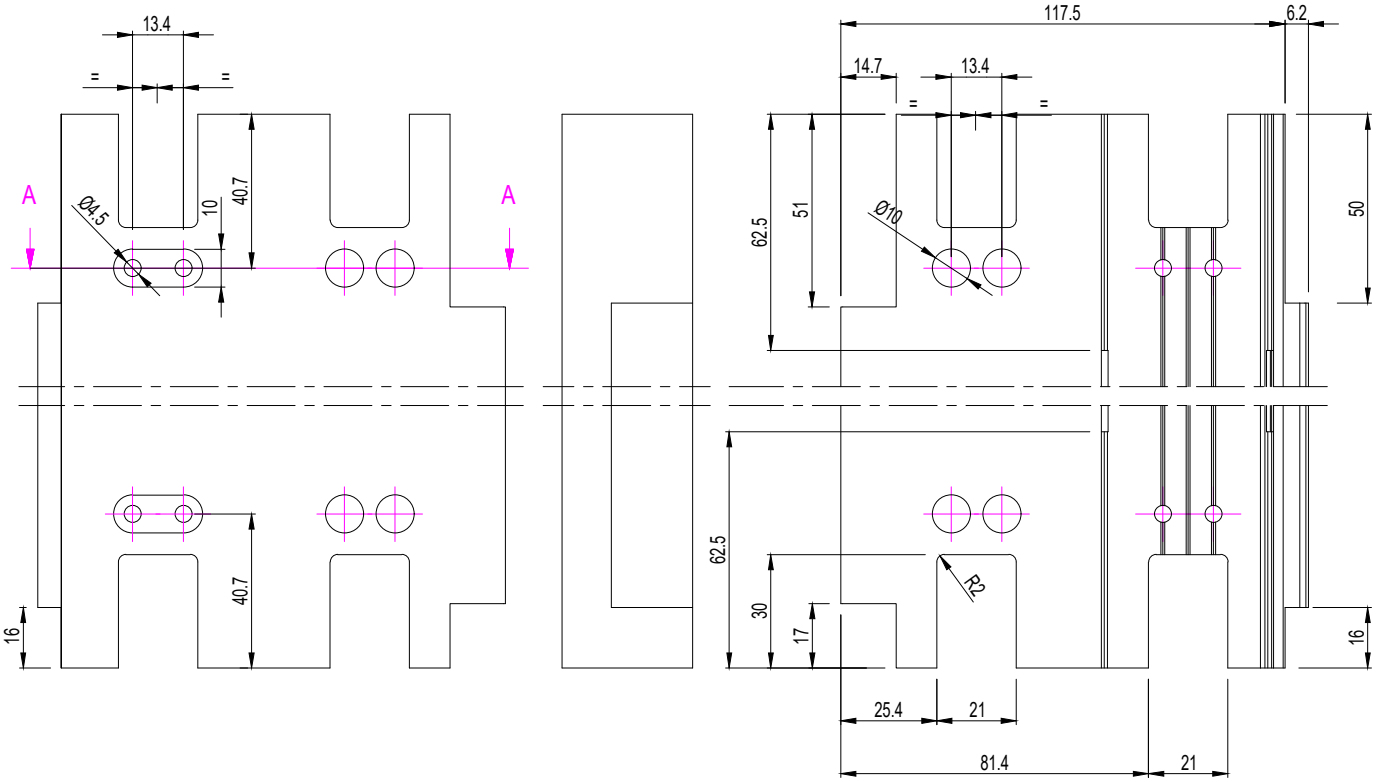


A-A





schaal - échelle
scale - Maßstab
1/2



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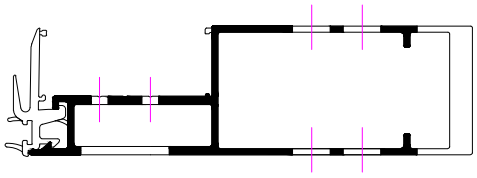
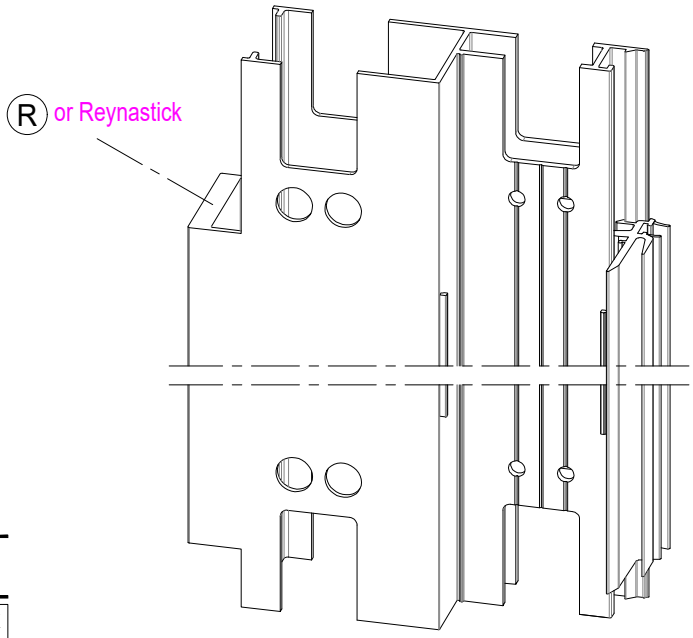
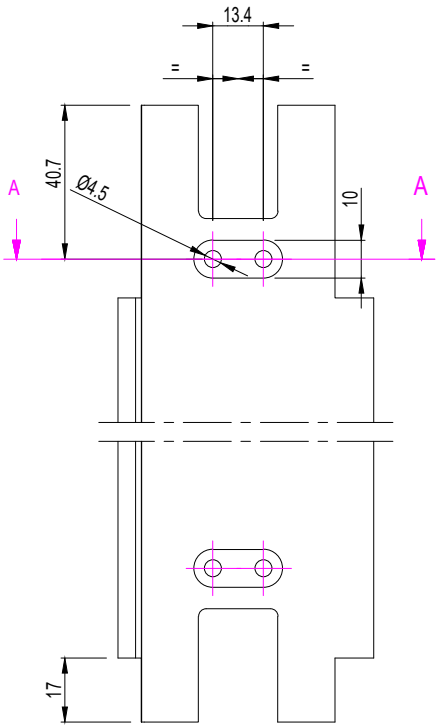


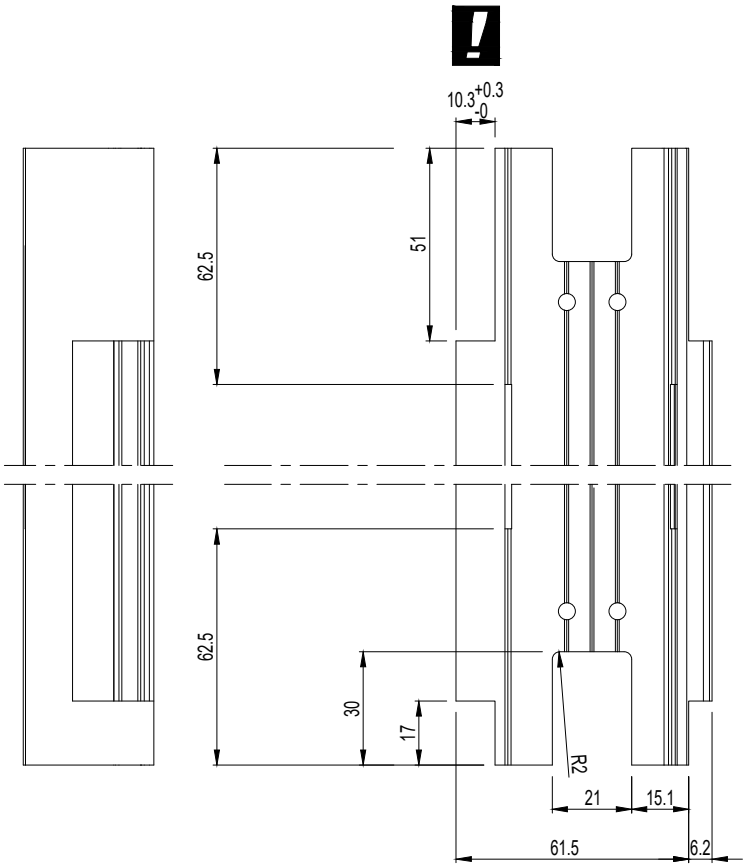


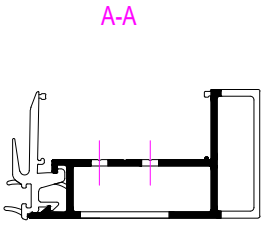
	LV
197.D400.00	013.6309.XX 013.5329.SY
- -	
095.B131.00	
097.0334.00	

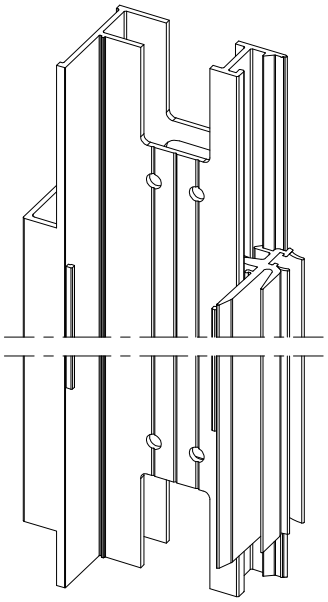
INSTALLEER PVC PROFIEL VOOR BEWERKEN
INSTALLER LE PROFIL PVC AVANT L'OPERATION
INSTALL PVC PROFILE BEFORE OPERATION
INSTALLIEREN SIE PVC-PROFIL FUR BEARBEITUNG

schaal - échelle
scale - Maßstab
1/2







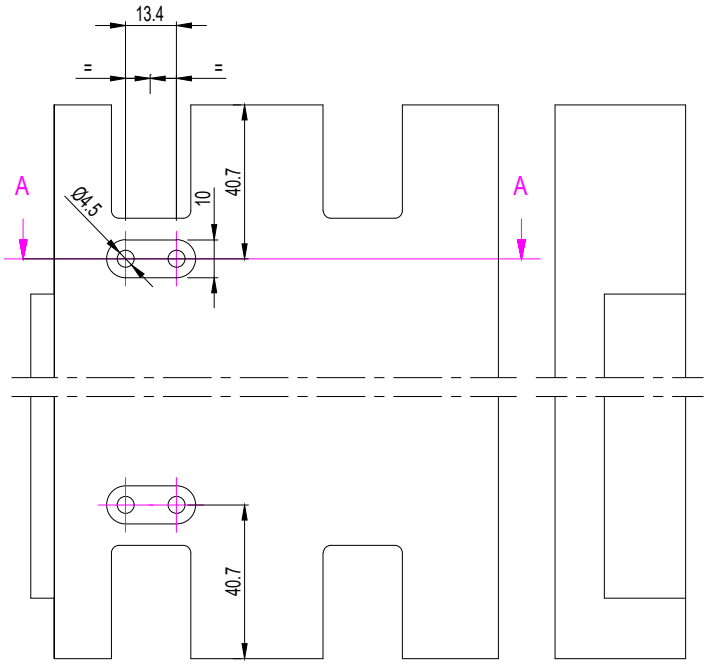


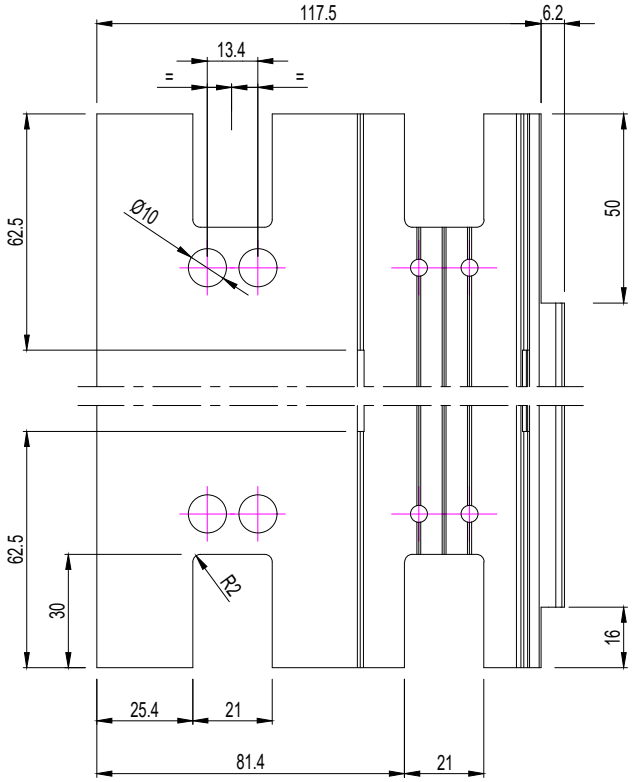
	LV
197.D400.00	013.6307.XX 013.5329.SY
- -	
-	
-	

INSTALLEER PVC PROFIEL VOOR BEWERKEN
INSTALLER LE PROFIL PVC AVANT L'OPERATION
INSTALL PVC PROFILE BEFORE OPERATION
INSTALLIEREN SIE PVC-PROFIL FUR BEARBEITUNG

schaal - échelle
scale - Maßstab
1/2

F





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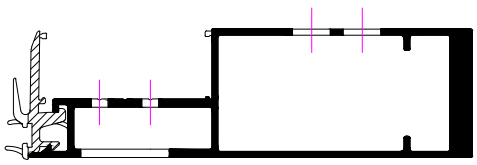
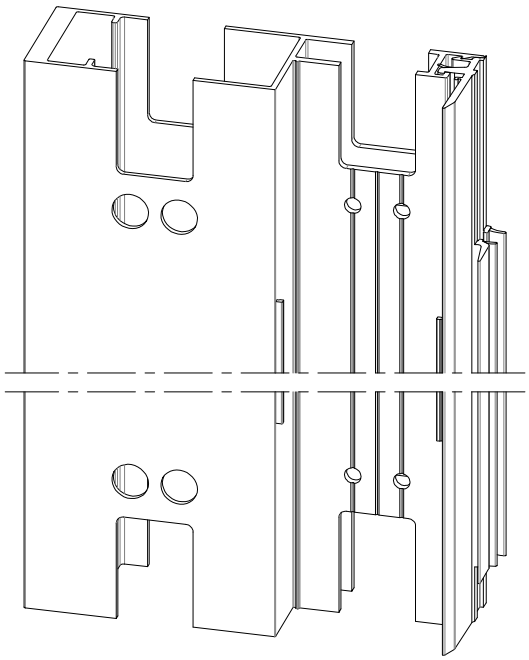
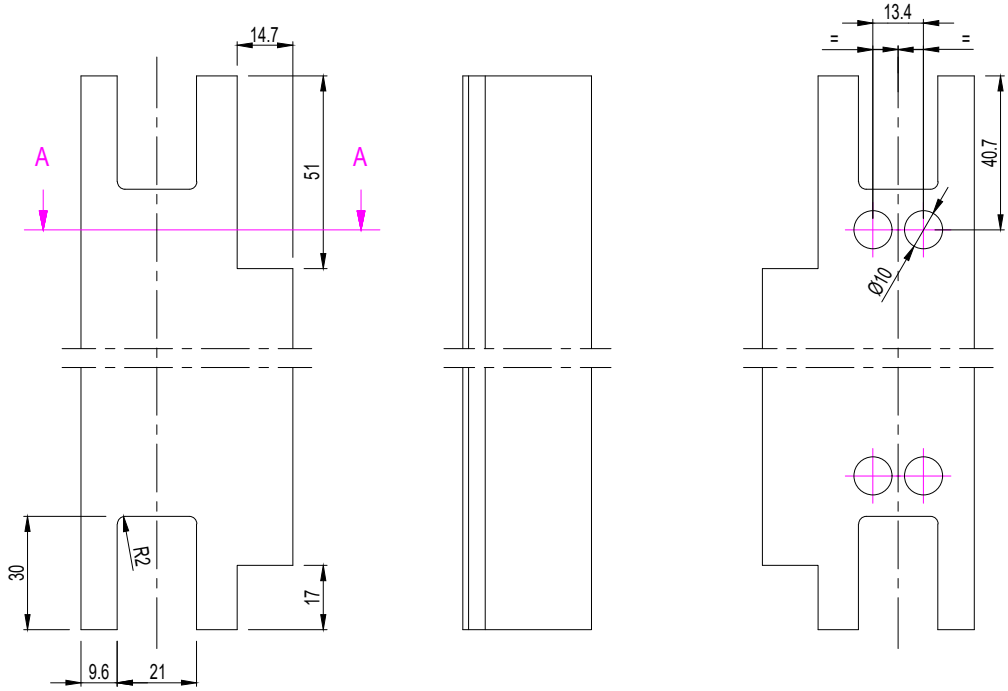


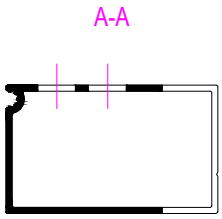


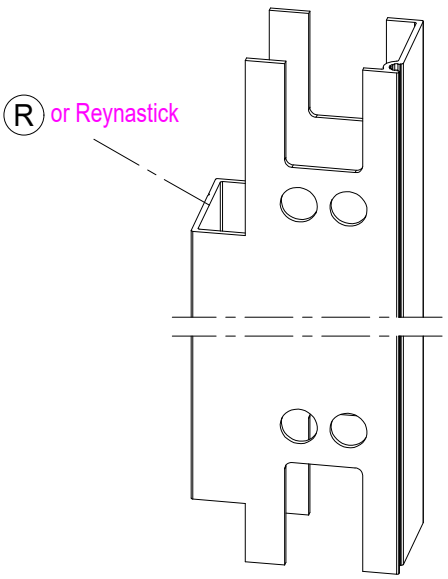
		LV
	197.D400.00	013.6309.XX 013.5329.SY
	- -	
	095.B131.00	
	097.0334.00	

INSTALLEER PVC PROFIEL VOOR BEWERKEN
INSTALLER LE PROFIL PVC AVANT L'OPERATION
INSTALL PVC PROFILE BEFORE OPERATION
INSTALLIEREN SIE PVC-PROFIL FUR BEARBEITUNG

schaal - échelle
scale - Maßstab
1/2







	LV
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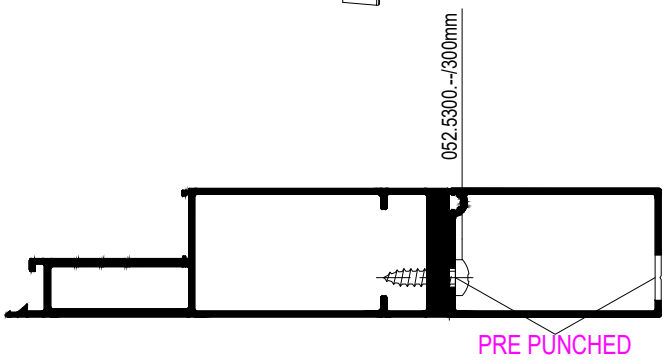
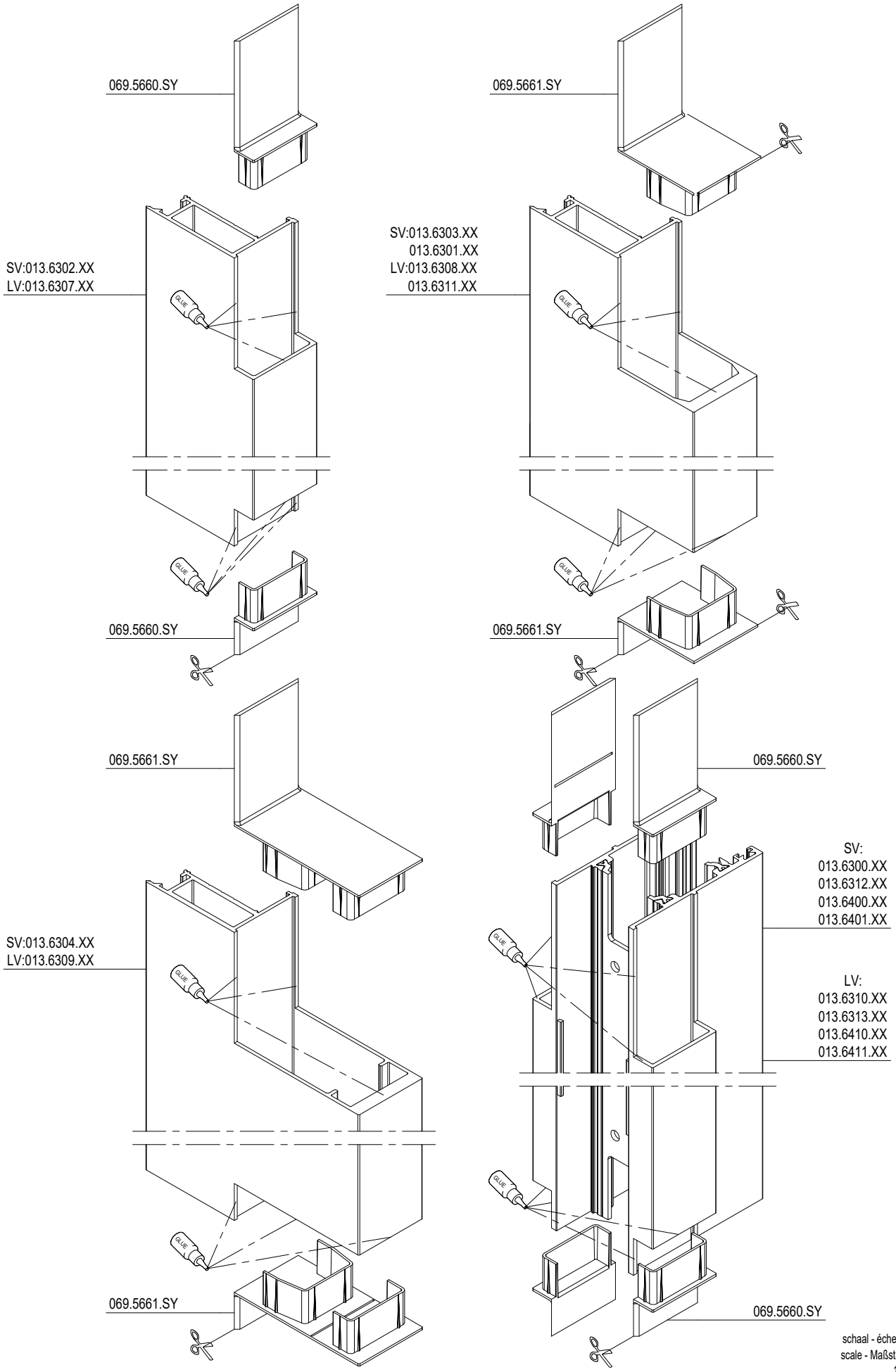
-	
-	

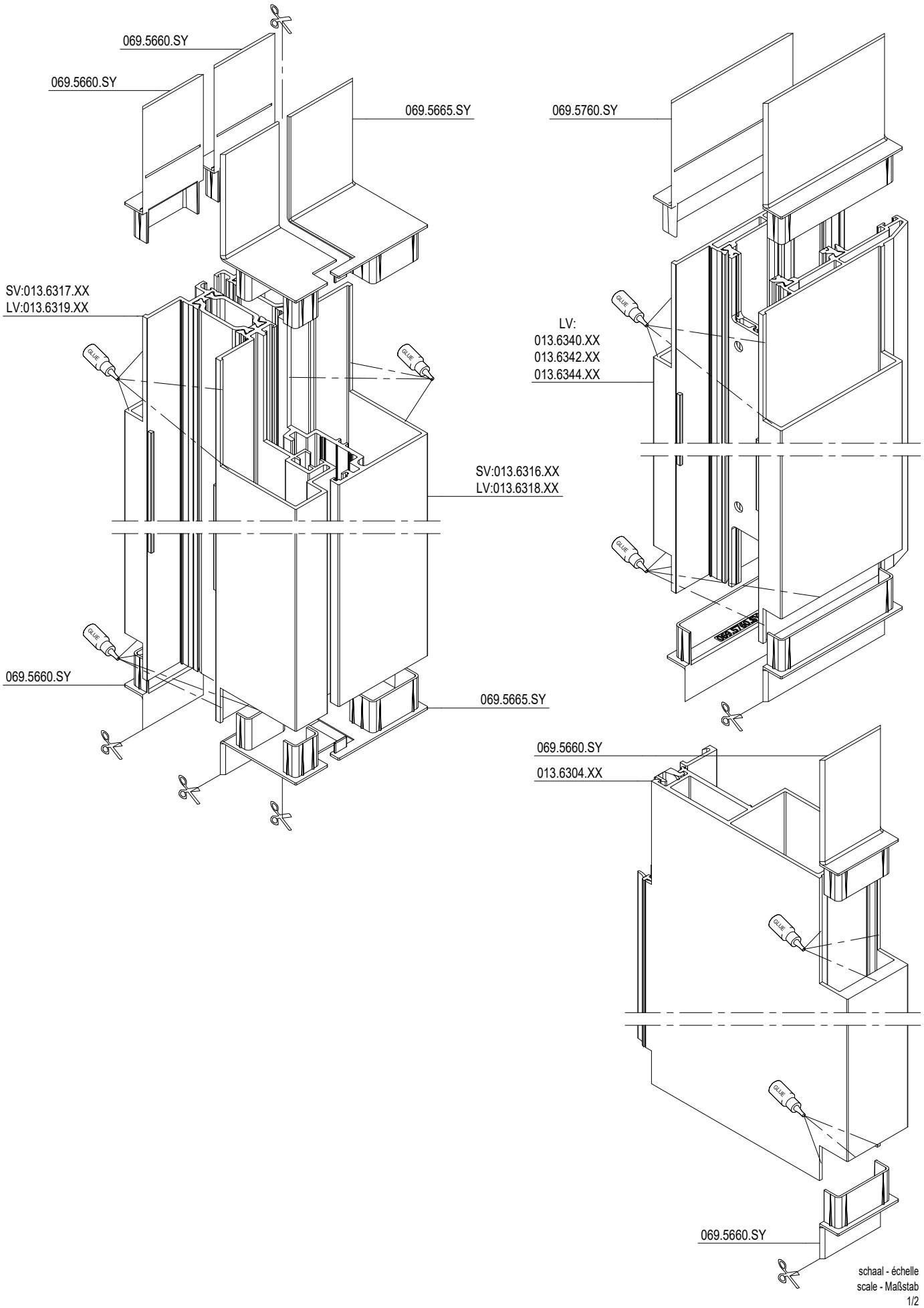


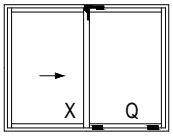
schaal - échelle
scale - Maßstab
1/2

F



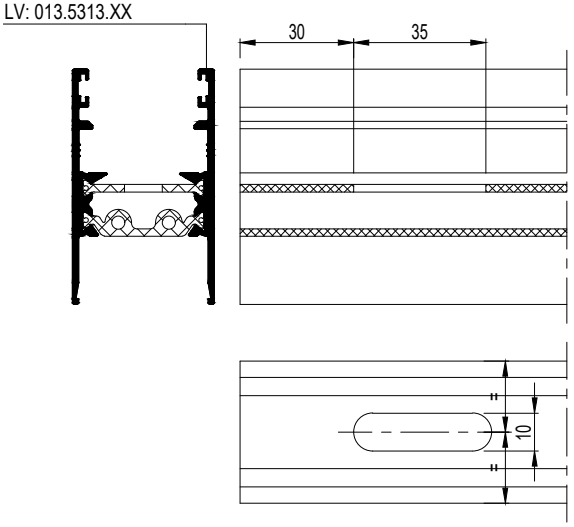
schaal - échelle
scale - Maßstab
1/2

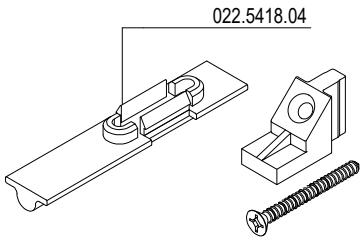

069.5660.SY
069.5660.SY
069.5665.SY
SV:013.6317.XX
LV:013.6319.XX
GLUE
SV:013.6316.XX
LV:013.6318.XX
069.5660.SY
069.5665.SY
069.5760.SY
LV:
013.6340.XX
013.6342.XX
013.6344.XX
069.5660.SY
013.6304.XX
069.5660.SY
schaal - échelle
scale - Maßstab
1/2



BEWERKING BOVENSTE VLEUGELPROFIEL
USINAGE PROFILE OUVRANT SUPERIEUR
PROCESSING UPPER VENT PROFILE
BEARBEITUNG OBEN FLUEGELPROFIL

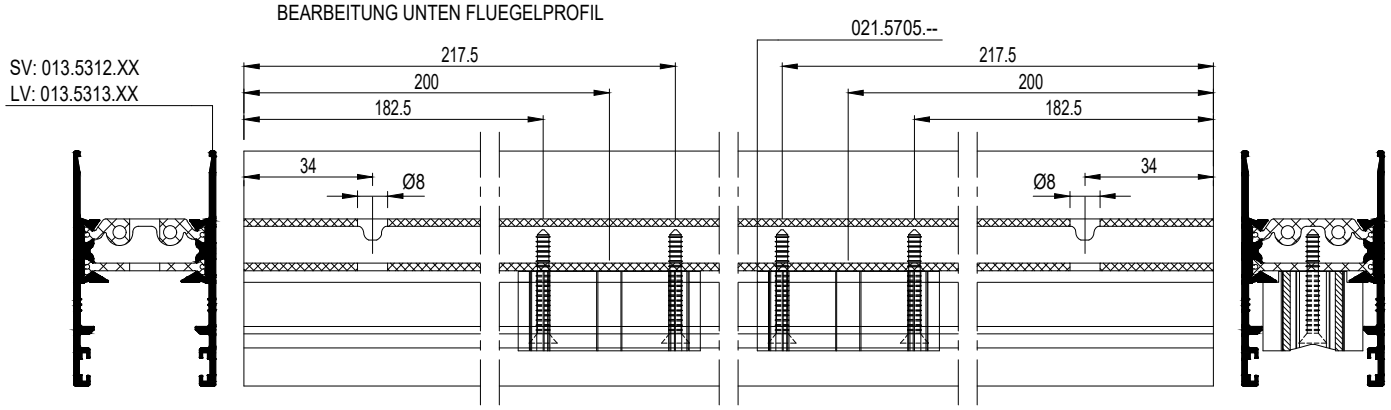
SV: 013.5312.XX
LV: 013.5313.XX





BEWERKING ONDERSTE VLEUGELPROFIEL
USINAGE PROFILE OUVRANT BASSE
PROCESSING BOTTOM VENT PROFILE
BEARBEITUNG UNTEN FLUEGELPROFIL

SV: 013.5312.XX
LV: 013.5313.XX



!	MAAK HET GAT VAN DIAMETER 8MM MANUEEL LE TROU DE DIAMETRE 8MM DOIT ETRE FAIT MANUELLEMENT MAKE THE HOLE OF 8MM MANUALLY MACHEN SIE DAS LOCH VAN DURCHMESSER 8MM MANUELL

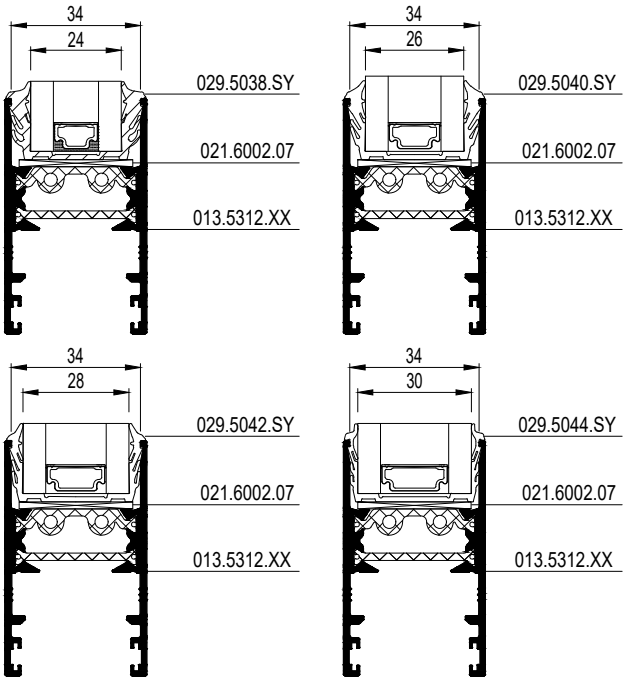
		SV/LV
	197.D400.00	013.5312.XX 013.5313.XX
	- -	
	-	
	-	

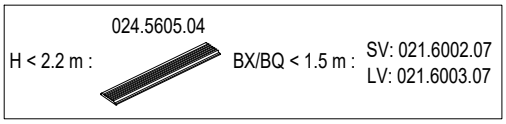
F

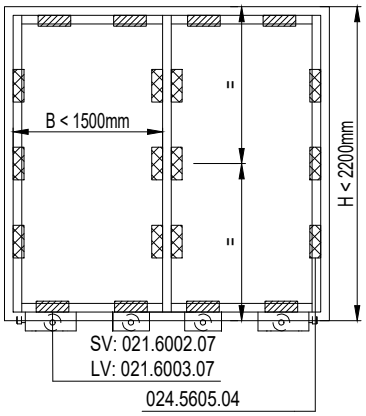
schaal - échelle
scale - Maßstab
1/2

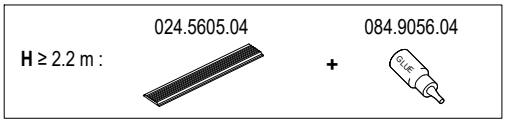
schaal - échelle
scale - Maßstab
1/2

STANDAARD VLEUGEL
VANTAIL CLASSIC
STANDARD VENT
DEFAULT FLUEGEL
24mm - 30mm

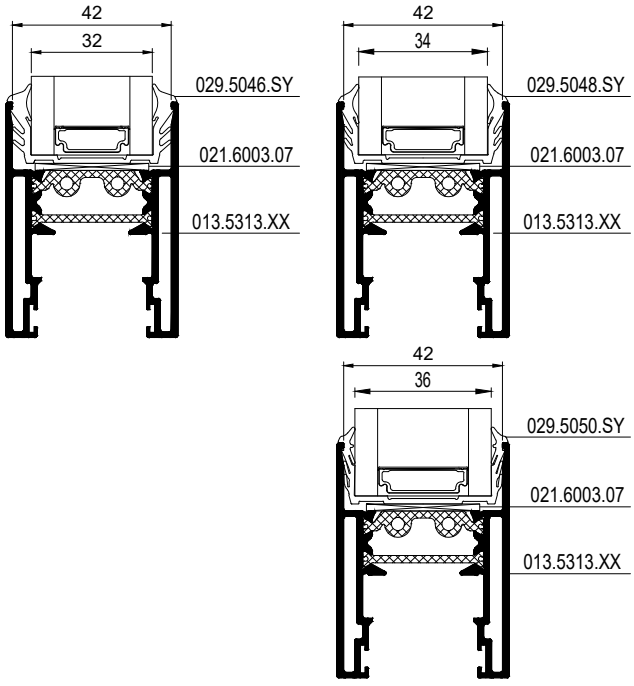


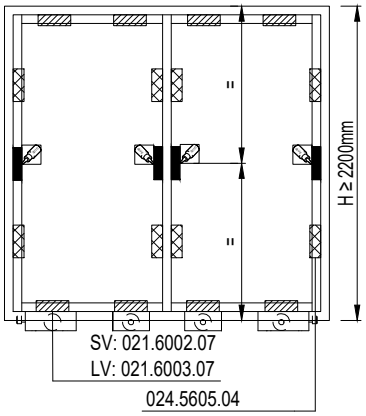


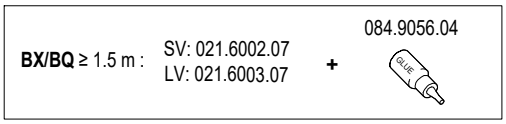


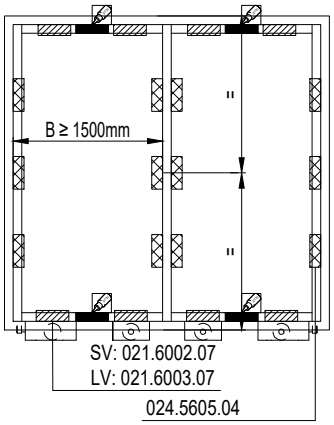


GROTE VLEUGEL
VANTAIL GRAND
LARGE VENT
GROB FLUEGEL
32mm - 36mm







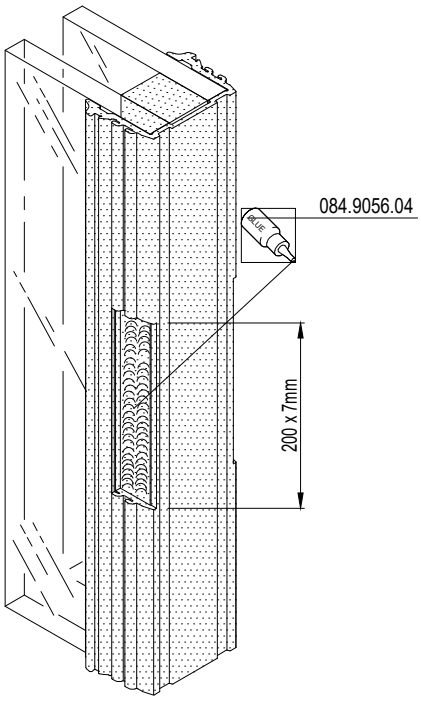


PLAATS DE GLASSTEUNEN 021.6002.07/021.6003.07 BOVEN DE WIELEN OF STEUNBLOKKEN
METTRE LES CALES 021.6002.07/021.6003.07 DESSUS LES ROUES OU BLOC DE SUPPORT
PLACE THE GLAZING SUPPORTS 021.6002.07/021.6003.07 ABOVE THE WHEELS OR SUPPORTING BLOCKS
BESTATIGEN SIE DIE GLASSTUZE 021.6002.07/021.6003.07 OBEN DIE RADER OR DIE STUTZBLOCK

DE GLASSTEUN MAG DE ONTWATERING NIET AFDEKKEN
LES CALES NE DOIVENT PAS OBTURER LES TROUS DE DRAINAGE
THE GLAZING SUPPORT MAY NOT CLOSE THE DRAINAGE HOLES
DIE GLASSTUZE DARF NICHT SCHLIEBEN DIE ENTWAESSERUNG

schaal - échelle
scale - Maßstab
1/2

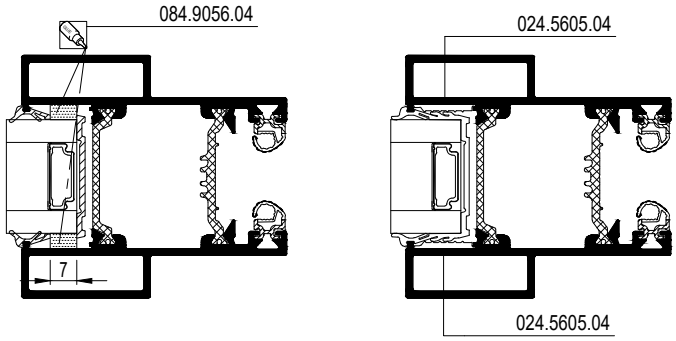
1/2



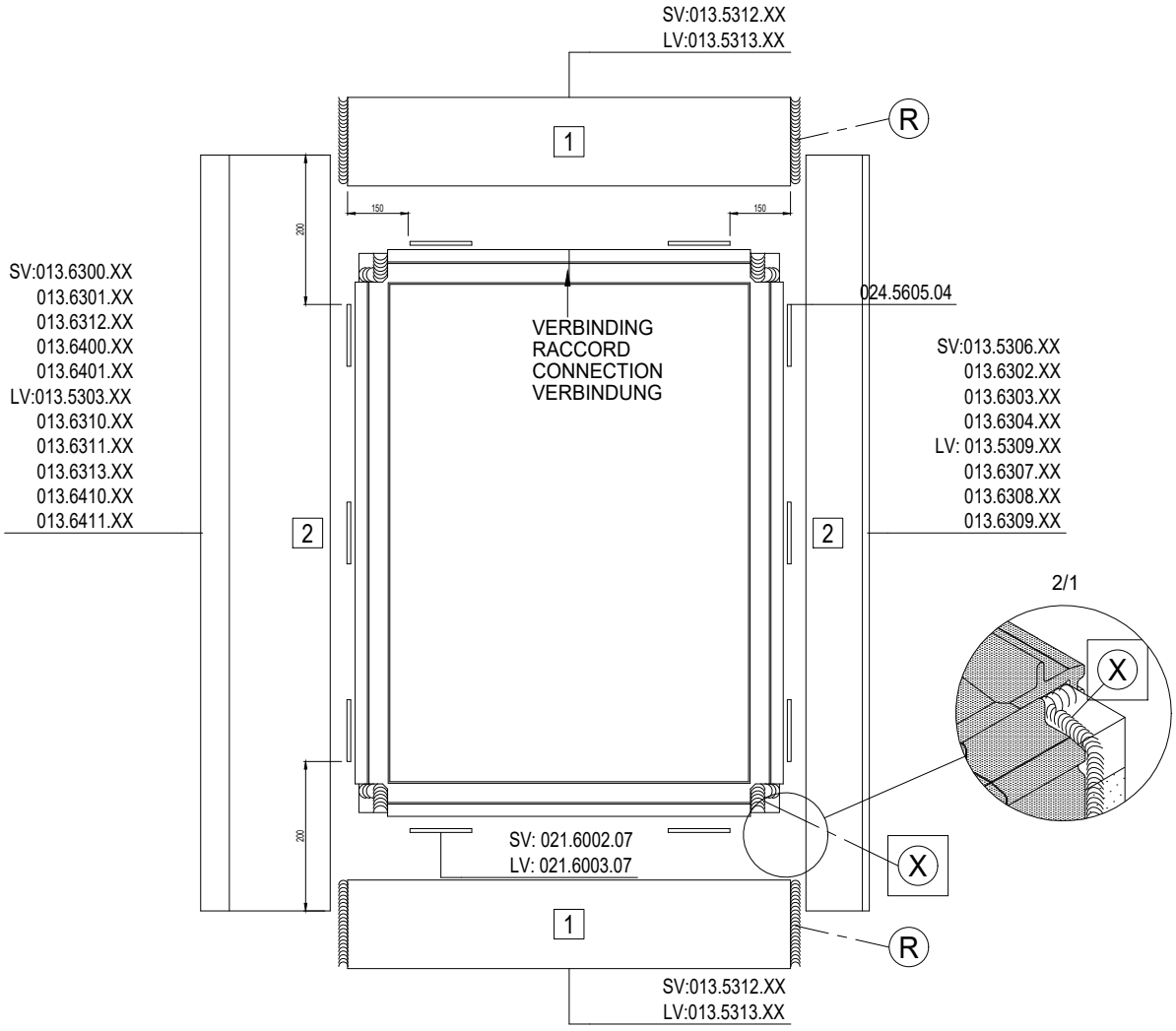
REINIG OPPERVLAKKEN VOOR HET VERLIJMEN
NETTOYER LES SURFACES AVANT LE COLLAGE
CLEAN SURFACES BEFORE BONDING
REINIGEN SIE DIE OBERFLACHEN VOR DEM KLEBEN

1) 086.9231.-- REYNAERS SAFETY CLEAN

2) 086.9232.-- REYNAERS PRIMER SEAL & BOND SPECIAL



1/4



MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

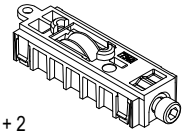
1 2 3 .

schaal - échelle
scale - Maßstab
1/1

F

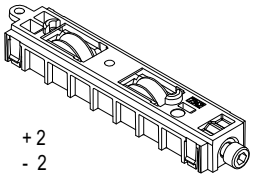
REGELBARE NYLON WIELEN
GALETS NYLON REGLABLE
ADJUSTABLE NYLON WHEELS
EINSTELLBAR NYLON RADER

021.5703.--



+ 2
- 2

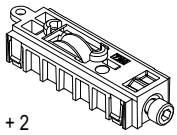
021.5701.--



+ 2
- 2

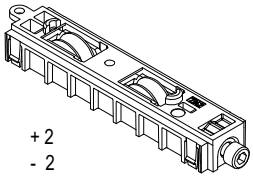
REGELBARE INOX WIELEN
GALETS INOX REGLABLE
ADJUSTABLE INOX WHEELS
EINSTELLBAR INOX RADER

021.5699.--



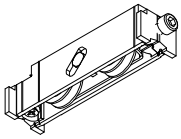
+ 2
- 2

021.5697.--



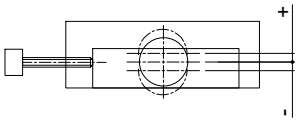
+ 2
- 2

021.5721.--



+ 4
- 2

REGELING VAN DE WIELEN
REGLAGE DES GALETS
ADJUSTMENT OF THE WHEELS
VERSTELLUNG DER RADER



	MAXIMUM GEWICHT VLEUGEL POIDS MAXI DU VANTAIL MAX WEIGHT OF THE VENT MAXIMAL GEWICHT FLUEGEL	RAIL
021.5703.--	80 Kg	006.1076.17 006.1077.04 006.1075.--
021.5701.--	160 Kg	006.1076.17 006.1077.04 006.1075.--
021.5699.--	80 Kg	006.1075.- -
021.5697.--	160 Kg	006.1075.- -
021.5721.--	200 Kg	006.1075.- -
2x 021.5721.--	250 Kg	006.1075.- -

F

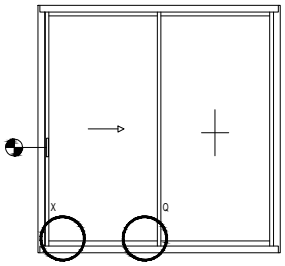
schaal - échelle
scale - Maßstab
1/2

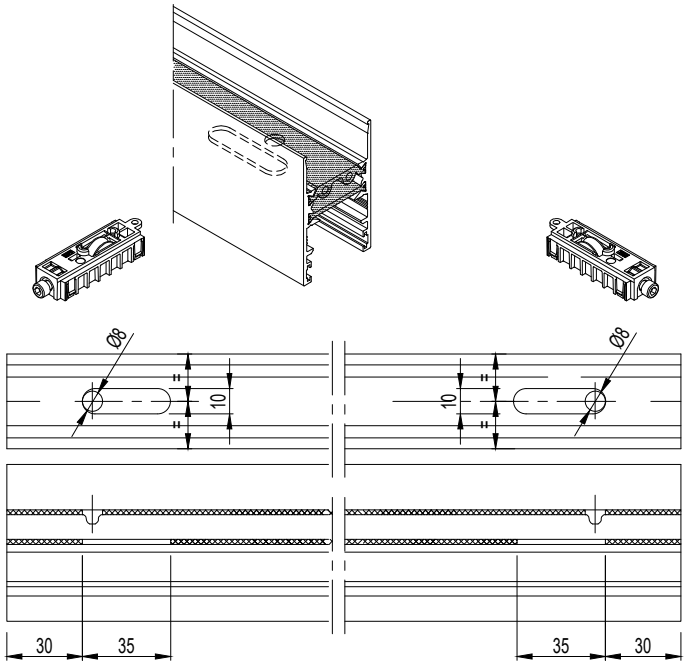
F

schaal - échelle
scale - Maßstab
1/2

SlimPatio 68

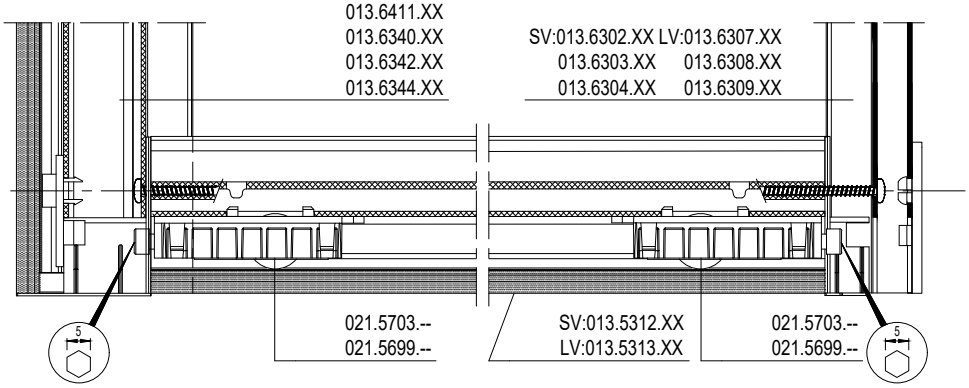
UITFREZING VOOR WIELEN
FRAISAGE POUR DE GALETS
MILLING FOR ROLLERS
AUSFRAESUNG FUR LAUFRAD





SV:013.6300.XX LV:013.5303.XX
013.6301.XX 013.6310.XX
013.6312.XX 013.6311.XX
013.6400.XX 013.6313.XX
013.6401.XX 013.6410.XX
013.6411.XX
013.6340.XX
013.6342.XX
013.6344.XX

SV:013.6302.XX LV:013.6307.XX
013.6303.XX 013.6308.XX
013.6304.XX 013.6309.XX

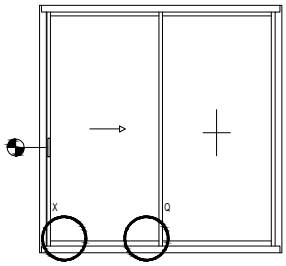


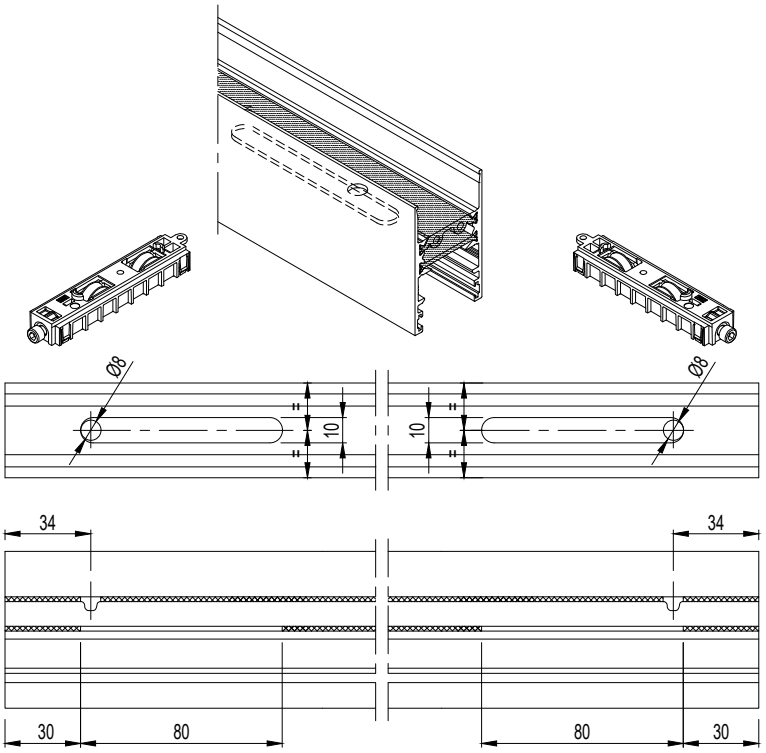
MAAK HET GAT VAN DIAMETER 8MM MANUEEL
LE TROU DE DIAMETRE 8MM DOIT ETRE FAIT MANUELLEMENT
MAKE THE HOLE OF 8MM MANUALLY
MACHEN SIE DAS LOCH VAN DURCHMESSER 8MM MANUELL

	SV/LV
197.D400.00	013.5312.XX 013.5313.XX
- -	
-	
-	

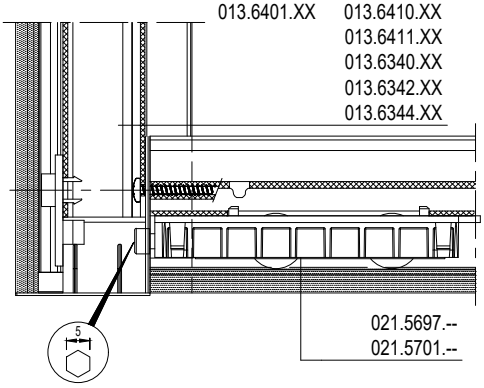
F

schaal - échelle
scale - Maßstab
1/3

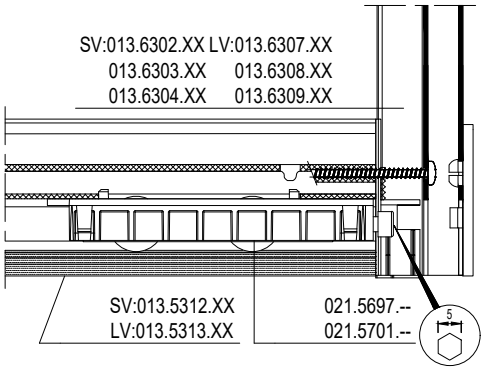




SV:013.6300.XX LV:013.5303.XX
013.6301.XX 013.6310.XX
013.6312.XX 013.6311.XX
013.6400.XX 013.6313.XX
013.6401.XX 013.6410.XX
013.6411.XX
013.6340.XX
013.6342.XX
013.6344.XX



SV:013.6302.XX LV:013.6307.XX
013.6303.XX 013.6308.XX
013.6304.XX 013.6309.XX



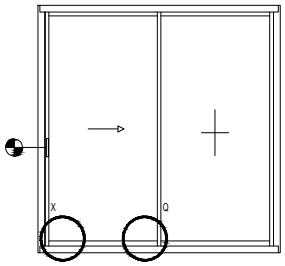
MAAK HET GAT VAN DIAMETER 8MM MANUEEL
LE TROU DE DIAMETRE 8MM DOIT ETRE FAIT MANUELLEMENT
MAKE THE HOLE OF 8MM MANUALLY
MACHEN SIE DAS LOCH VAN DURCHMESSER 8MM MANUELL

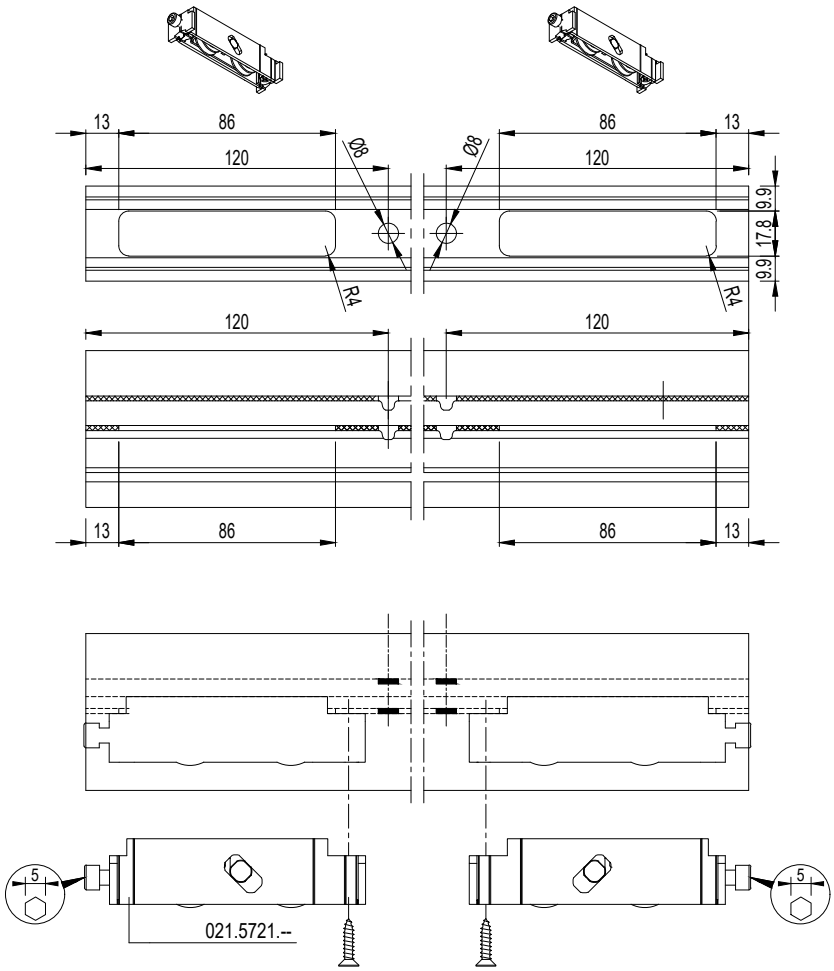
	SV/LV
197.D400.00	013.5312.XX 013.5313.XX
- -	
-	
-	

schaal - échelle
scale - Maßstab
1/3

F

UITFREZING VOOR WIELEN
FRAISAGE POUR DE GALETS
MILLING FOR ROLLERS
AUSFRAESUNG FUR LAUFRAD

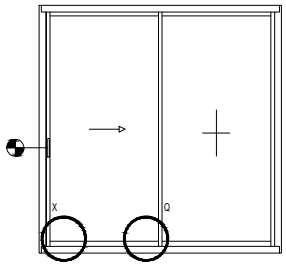


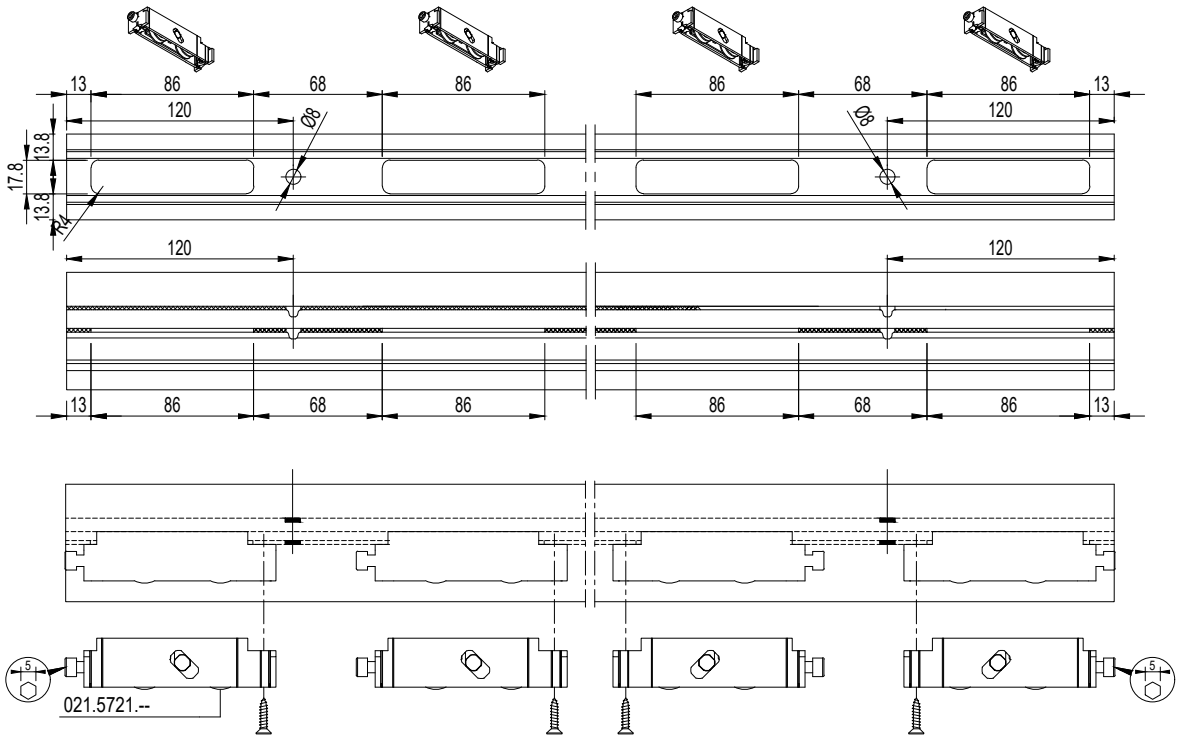


F

MAAK HET GAT VAN DIAMETER 8MM MANUEEL
LE TROU DE DIAMETRE 8MM DOIT ETRE FAIT MANUELLEMENT
MAKE THE HOLE OF 8MM MANUALLY
MACHEN SIE DAS LOCH VAN DURCHMESSER 8MM MANUELL

schaal - échelle
scale - Maßstab
1/3



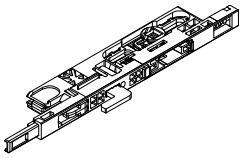


MAAK HET GAT VAN DIAMETER 8MM MANUEEL
LE TROU DE DIAMETRE 8MM DOIT ETRE FAIT MANUELLEMENT
MAKE THE HOLE OF 8MM MANUALLY
MACHEN SIE DAS LOCH VAN DURCHMESSER 8MM MANUELL

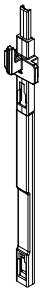
schaal - échelle
scale - Maßstab
1/4

F

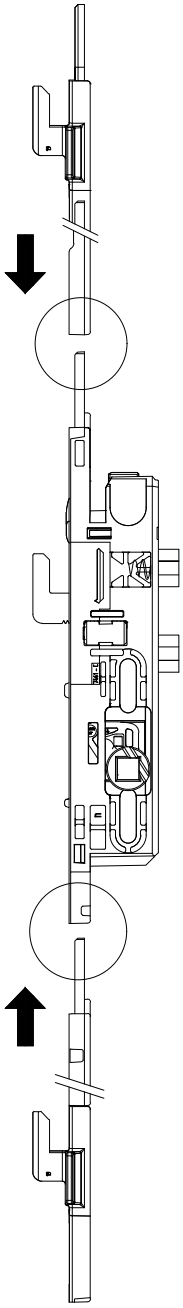
069.8405.ZC



1-PUNTS SLOT / SERRRURE 1-POINT
1-POINT LOCK / 1-PUNKT HACKENSCHLOSS

022.5451.--	022.5453.--	022.5452.--	022.5454.--
			
ONDER VERLENGSTUK 217mm RALLONGE BASSE 217mm BOTTOM EXTENSION 217mm UNTEN HAKENSCHLOSS-VERLAENGERUNG 217mm	ONDER VERLENGSTUK 485mm RALLONGE BASSE 485mm BOTTOM EXTENSION 485mm UNTEN HAKENSCHLOSS-VERLAENGERUNG 485mm	BOVEN VERLENGSTUK 217mm RALLONGE HAUTE 217mm TOP EXTENSION 217mm OBEN HAKENSCHLOSS-VERLAENGERUNG 217mm	BOVEN VERLENGSTUK 485mm RALLONGE HAUTE 485mm TOP EXTENSION 485mm OBEN HAKENSCHLOSS-VERLAENGERUNG 485mm

VERLENGSTUK KAN NIET VERWIJDERD WORDEN NA VERBINDEN
RALLONGE NE PEUT ETRE ENLEVER UNE FOIS CONNECTE
EXTENSION CAN NOT BE REMOVED ONCE CONNECTED
RIEGELVERLAENGERUNG KANN NICHT ENTFERNT SEIN EINMAL ANGESCHLOSSEN



062.7275.--

3-PUNTS SLOT ROESTVRIJ STAAL/ SERRRURE 3-POINT INOX
3-POINT LOCK STAINLESS STEEL/ 3-PUNKT HACKENSCHLOSS EDELSTAHL

schaal - échelle
scale - Maßstab
1/2

F

062.6962.ZC
(2300mm)

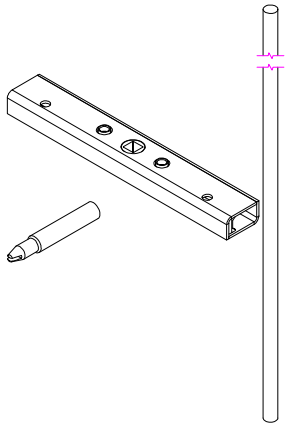
062.6963.ZC
(2700mm)

062.6964.ZC
(3000mm)

2-PUNTS ESPAGNOLETSLOT (BT SLOT) / FERMETURE ESPAGNOLETT 2-POINT (SERRURE BT)
2-POINT SHOOTBOLT LOCK (BT LOCK) / 2-PUNKT TREIBRIEGELVERSCHLUSS (BT HAKENSCHLOSS)

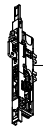
062.7199.--

WISSELPROFIEL SLOT/SERRURE CHICANE
MEETING SECTION LOCK/WECHSELPROFIL SCHLOESSER

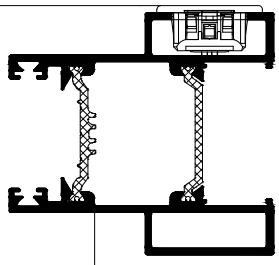


1-PUNTS ESPAGNOLETSLOT/FERMETURE ESPAGNOLETT 1-POINT
1-POINT SHOOTBOLT LOCK/1-PUNKT TREIBRIEGELVERSCHLUSS

schaal - échelle
scale - Maßstab
1/2

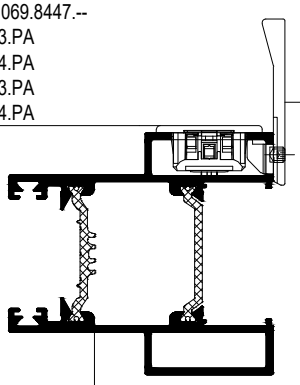
 069.8405.ZC	BINNENZIJDE A L'INTERIEUR INSIDE INNEN	069.8408.PA + 069.8447.-- 069.8403.PA 069.8404.PA 069.8406.PA 069.8050.PA	BUITENZIJDE A L'EXTERIEUR OUTSIDE DRAUBEN	069.8407.PA 069.8446.PA
062.7275.--	BINNENZIJDE A L'INTERIEUR INSIDE INNEN	069.8203.PA 069.8204.PA	BUITENZIJDE A L'EXTERIEUR OUTSIDE DRAUBEN	069.8446.PA

069.8408.PA + 069.8447.--
069.8403.PA
069.8404.PA
069.8203.PA
069.8204.PA



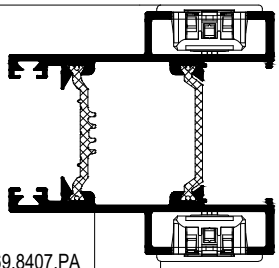
SV:013.6300.XX LV:013.6310.XX
013.6301.XX 013.6311.XX

069.8408.PA + 069.8447.--
069.8403.PA
069.8404.PA
069.8203.PA
069.8204.PA
062.7780.XX



SV:013.6300.XX LV:013.6310.XX
013.6301.XX 013.6311.XX

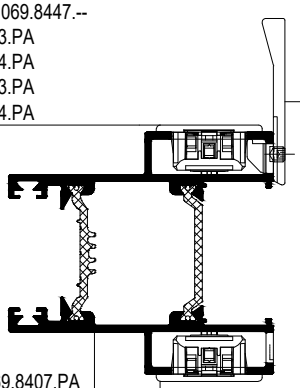
069.8408.PA + 069.8447.--
069.8403.PA
069.8404.PA
069.8203.PA
069.8204.PA



069.8407.PA
069.8446.PA

SV:013.6300.XX
013.6301.XX
LV:013.6310.XX

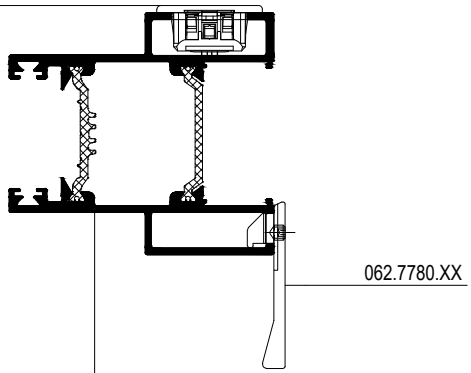
069.8408.PA + 069.8447.--
069.8403.PA
069.8404.PA
069.8203.PA
069.8204.PA
062.7780.XX



069.8407.PA
069.8446.PA

SV:013.6300.XX
013.6301.XX
LV:013.6310.XX

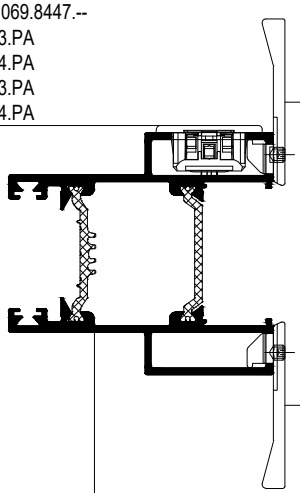
069.8408.PA + 069.8447.--
069.8403.PA
069.8404.PA
069.8203.PA
069.8204.PA



062.7780.XX

SV:013.6300.XX
013.6301.XX
LV:013.6310.XX

069.8408.PA + 069.8447.--
069.8403.PA
069.8404.PA
069.8203.PA
069.8204.PA
062.7780.XX



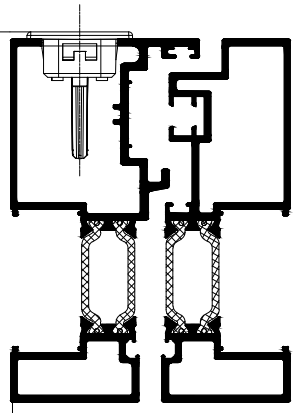
062.7780.XX

SV:013.6300.XX
013.6301.XX
LV:013.6310.XX

schaal - échelle
scale - Maßstab
1/2

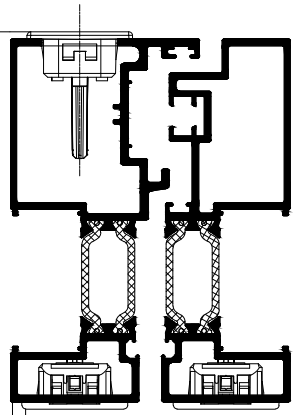
F

069.8406.PA
069.8050.PA
069.8203.PA
069.8204.PA



SV:013.6316.XX LV:013.6318.XX
+013.6317.XX +013.6319.XX

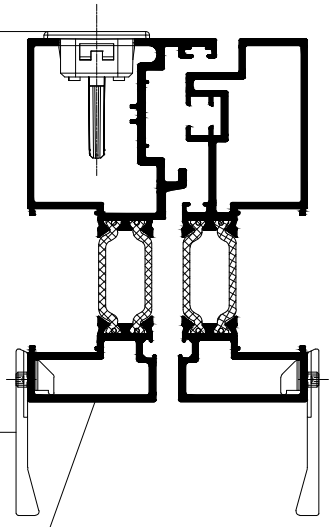
069.8406.PA
069.8050.PA
069.8203.PA
069.8204.PA



069.8407.PA
069.8446.PA

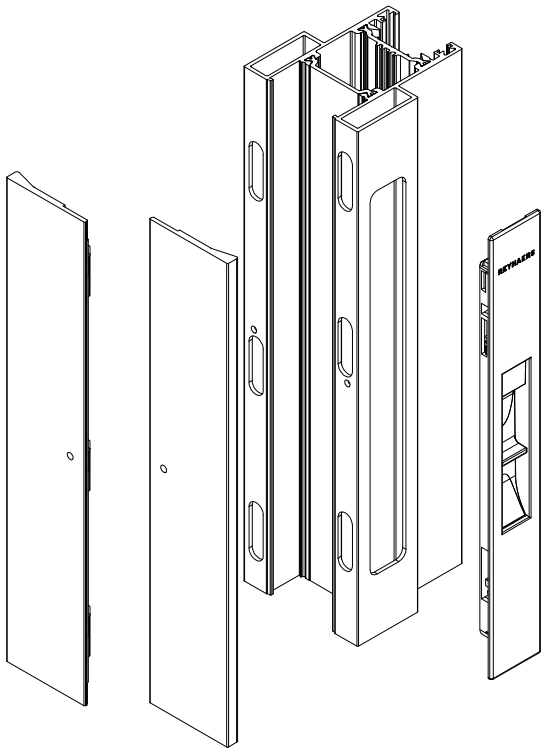
SV:013.6316.XX LV:013.6318.XX
+013.6317.XX +013.6319.XX

069.8406.PA
069.8050.PA
069.8203.PA
069.8204.PA



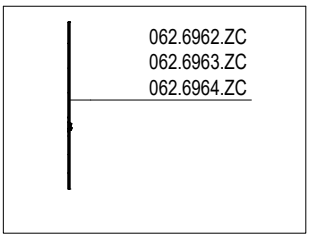
062.7780.XX

SV:013.6316.XX LV:013.6318.XX
+013.6317.XX +013.6319.XX



schaal - échelle
scale - Maßstab
1/3

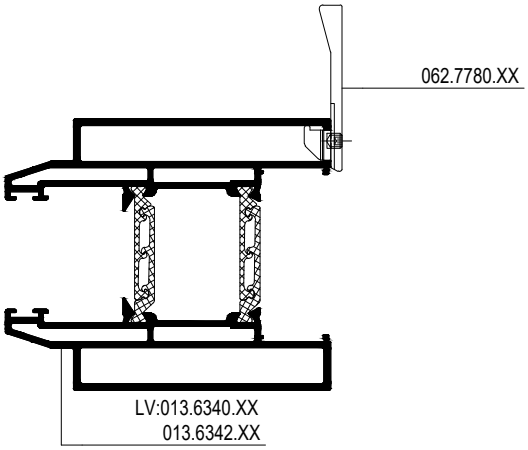
F

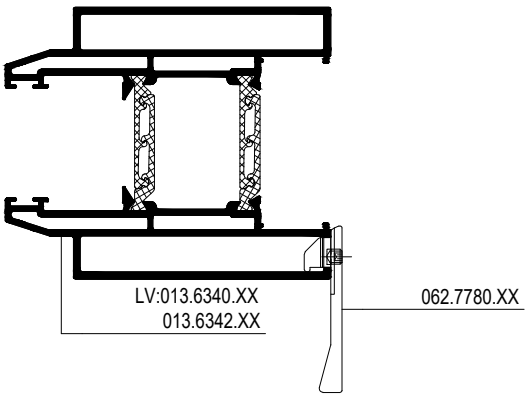


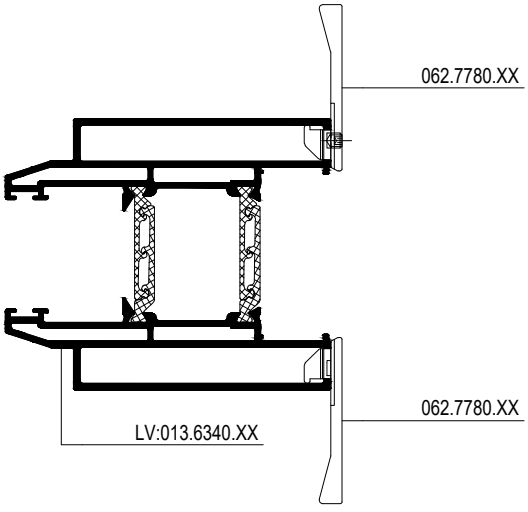
Inside	Outside	BEVESTIGINGSSET SET DE FIXATION FIXATION SET BEFESTIGUNGSSATZ			
			included in handle set		
062.6965.XX			050.5001.--		2
			057.5711.--		2
			included in handle set		
	062.6965.XX		050.5001.--		2
			057.5711.--		2
			included in handle set		
062.6966.XX			050.5001.--		2
			057.5711.--		2
			included in handle set		
	062.6966.XX		050.5001.--		2
			057.5711.--		2
			included in handle set		
062.6965.XX	062.6973.XX		050.5084.--		2
			included in handle set		
062.6966.XX	062.6974.XX		050.5084.--		2
			included in handle set		
062.6965.XX	062.6974.XX		050.5084.--		2
			included in handle set		
062.6966.XX	062.6973.XX		050.5084.--		2
069.8446.PA					
	069.8446.PA				
069.8446.PA	069.8446.PA				

F

schaal - échelle
scale - Maßstab
1/2



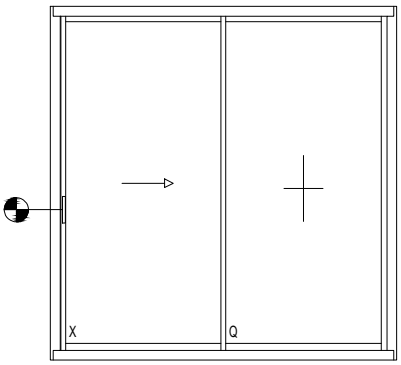




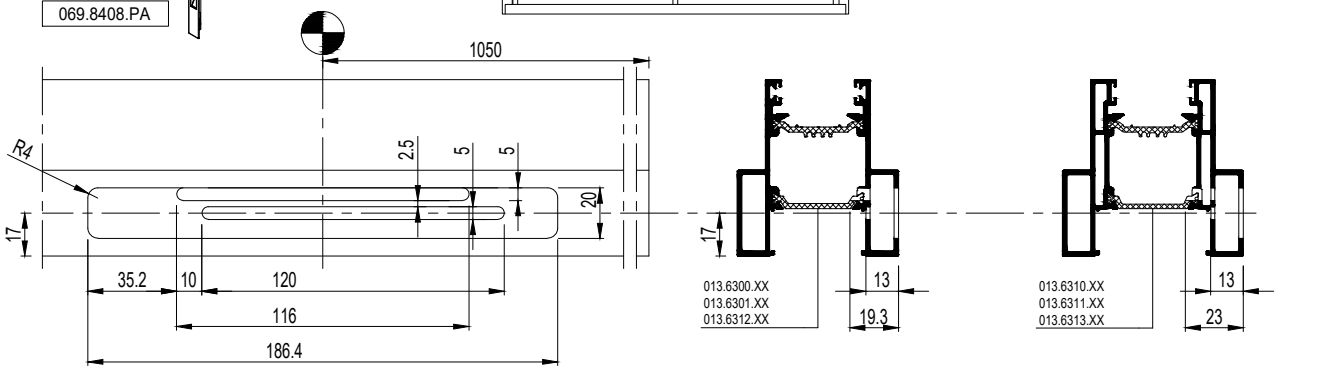
schaal - échelle
scale - Maßstab
1/2

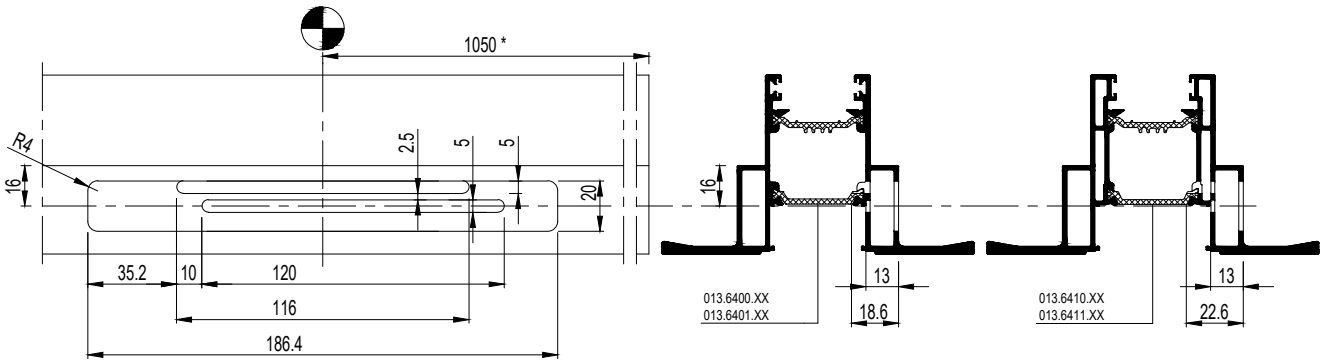
KRUKHOOGTE REYNAPRO
HAUTEUR DE BEQUILLE REYNAPRO
HEIGHT OF HANDLE REYNAPRO
HANDGRIFFHOEHE REYNAPRO
1050 mm

BINNENZIJDE
A L'INTERIEUR
INSIDE
INNEN

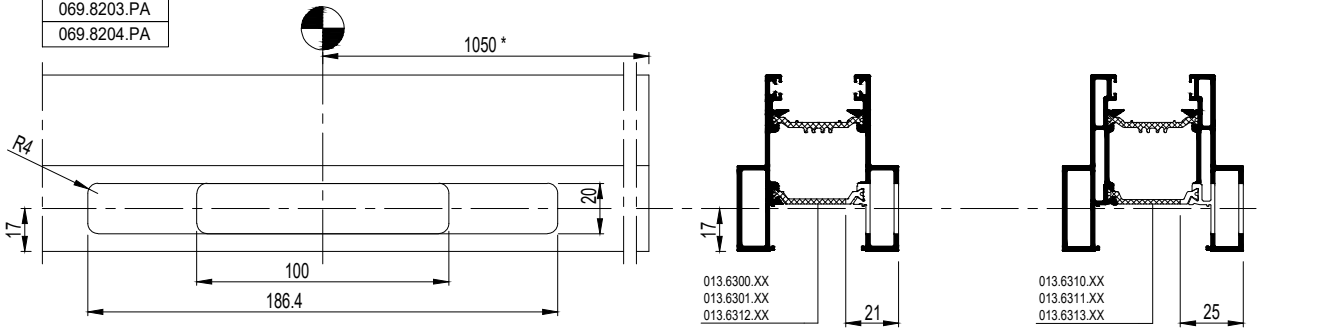


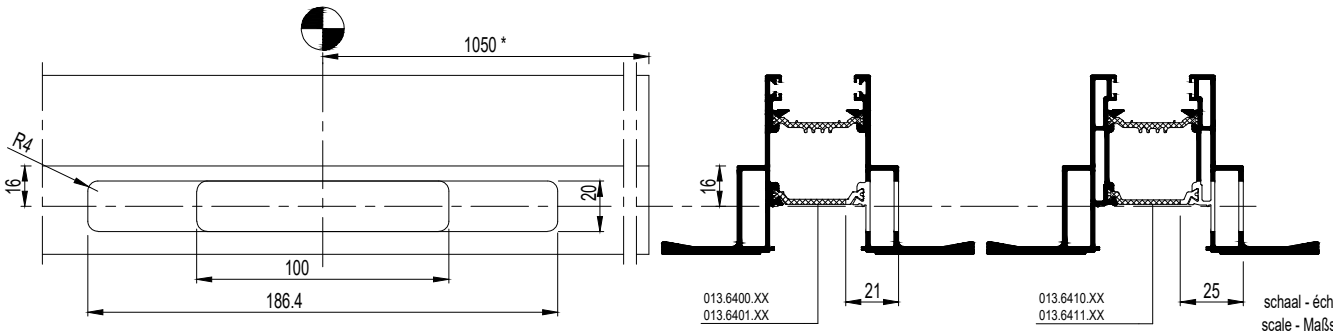
069.8408.PA





069.8403.PA
069.8404.PA
069.8203.PA
069.8204.PA



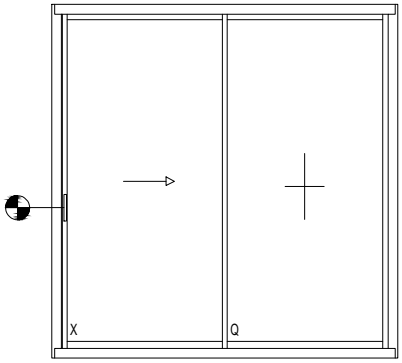


schaal - échelle
scale - Maßstab
1/3

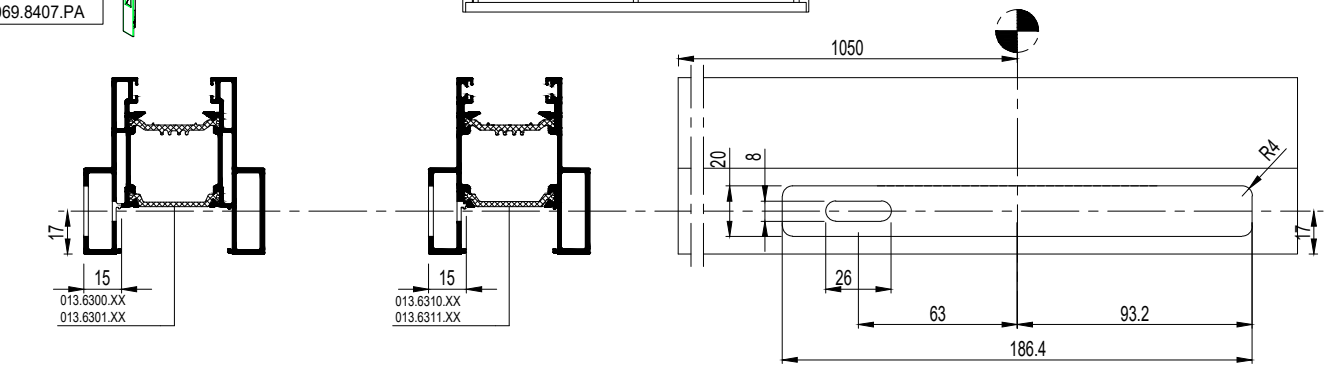
F

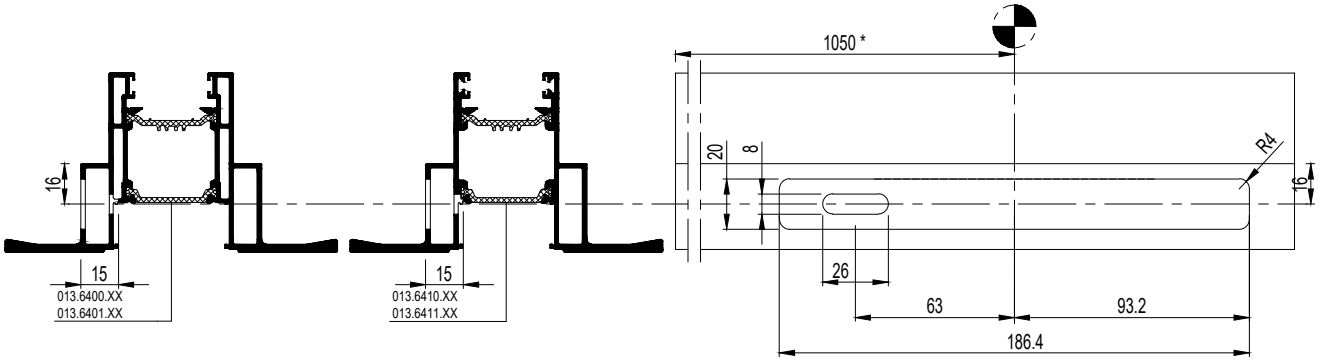
KRUKHOOGTE REYNAPRO
HAUTEUR DE BEQUILLE REYNAPRO
HEIGHT OF HANDLE REYNAPRO
HANDGRIFFHOEHE REYNAPRO
1050 mm

BUITENZIJDE - OPTIONEEL
A L'EXTERIEUR - FACULTATIF
OUTSIDE - OPTIONAL
DRAUBEN - OPTIONAL



069.8407.PA





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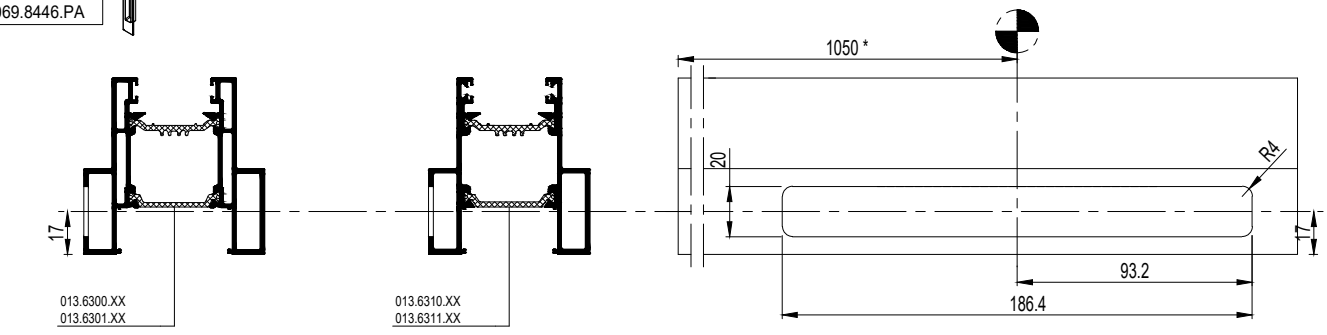
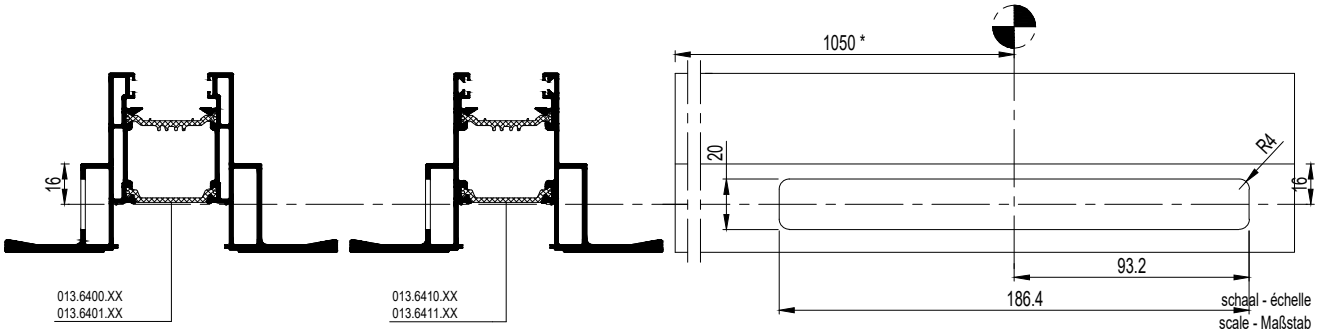


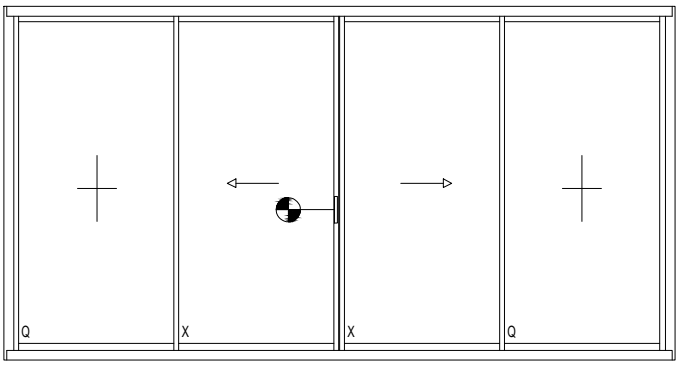


schaal - échelle
scale - Maßstab
1/3

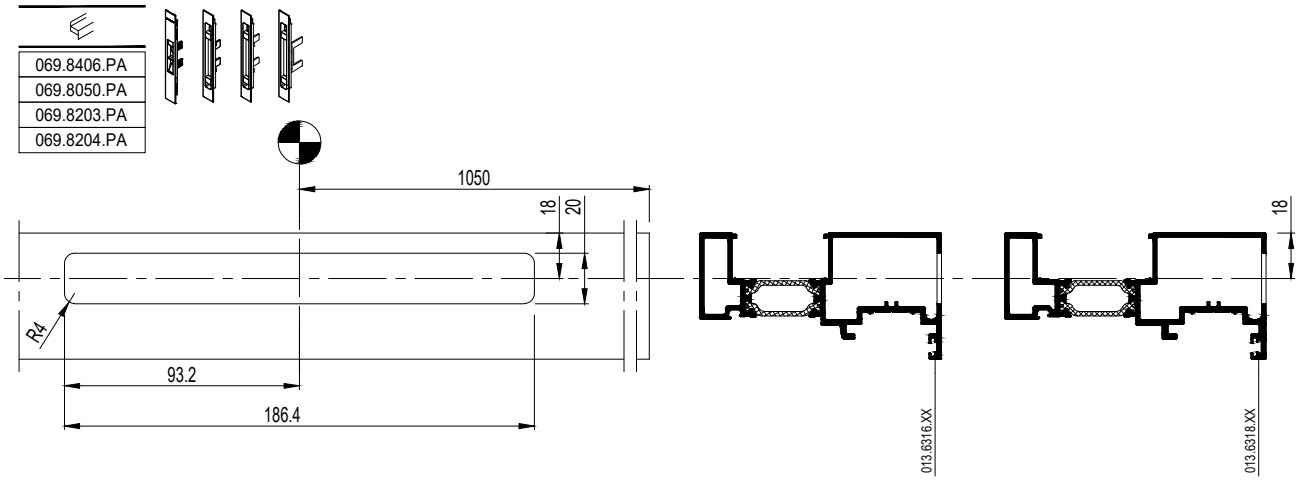
F

KRUKHOOGTE REYNAPRO
HAUTEUR DE BEQUILLE REYNAPRO
HEIGHT OF HANDLE REYNAPRO
HANDGRIFFHOEHE REYNAPRO
1050 mm

BINNENZIJDE
A L'INTERIEUR
INSIDE
INNEN



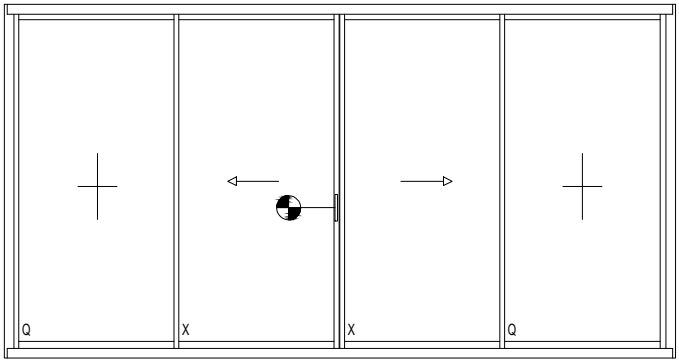
069.8406.PA
069.8050.PA
069.8203.PA
069.8204.PA



schaal - échelle
scale - Maßstab
1/3

KRUKHOOGTE REYNAPRO
HAUTEUR DE BEQUILLE REYNAPRO
HEIGHT OF HANDLE REYNAPRO
HANDGRIFFHOEHE REYNAPRO
1050 mm

BUITENZIJDE - OPTIONEEL
A L'EXTERIEUR - FACULTATIF
OUTSIDE - OPTIONAL
DRAUBEN - OPTIONAL



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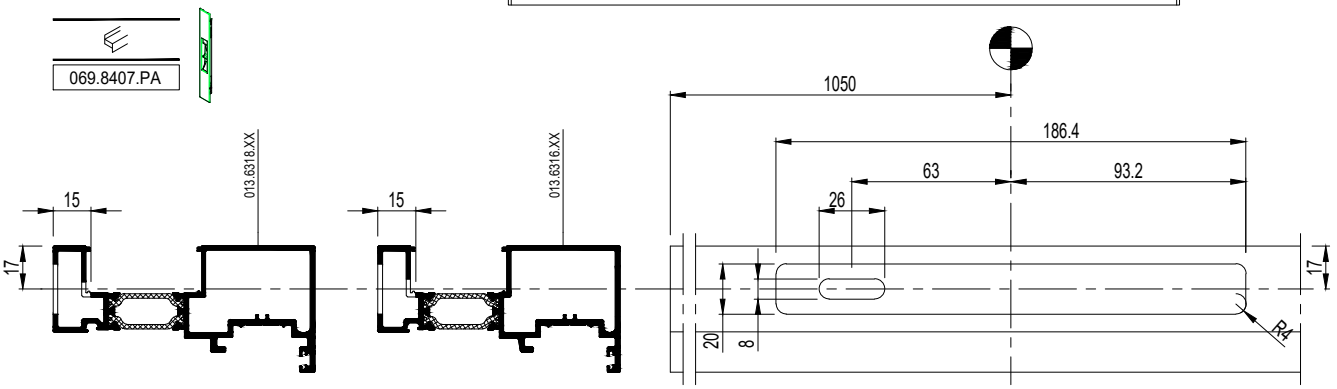

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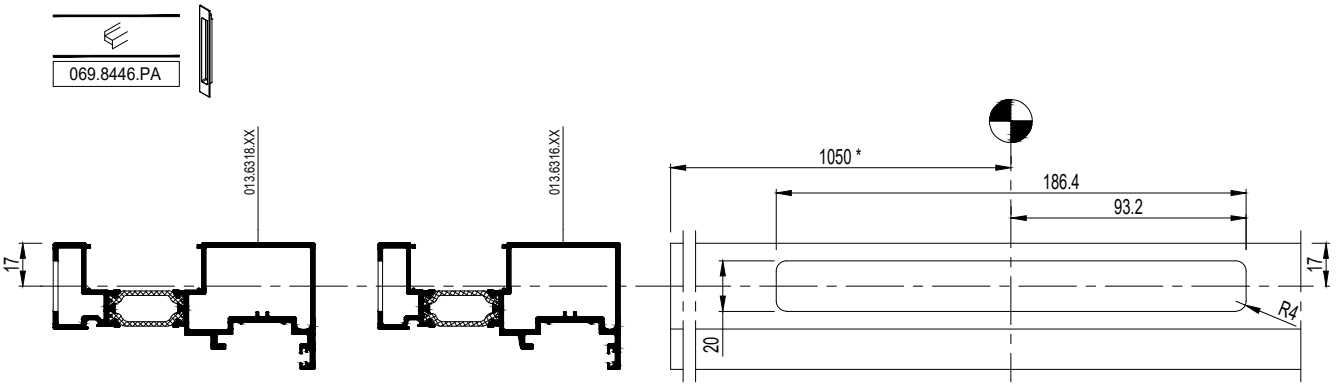
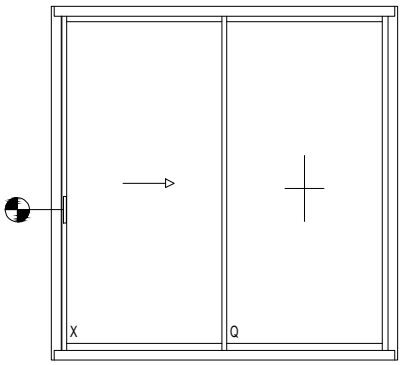
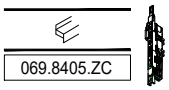


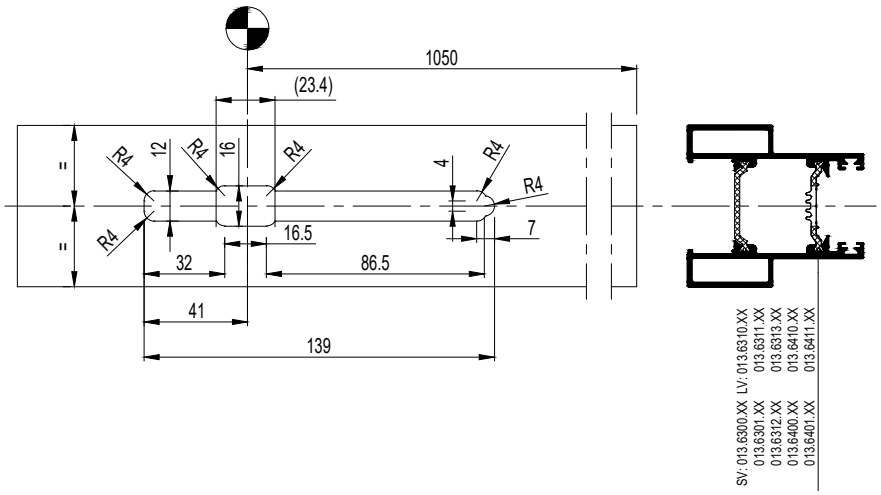
F

schaal - échelle
scale - Maßstab
1/3

KRUKHOOGTE REYNAPRO HAUTEUR DE BEQUILLE REYNAPRO HEIGHT OF HANDLE REYNAPRO HANDGRIFFHOEHE REYNAPRO	1050 mm



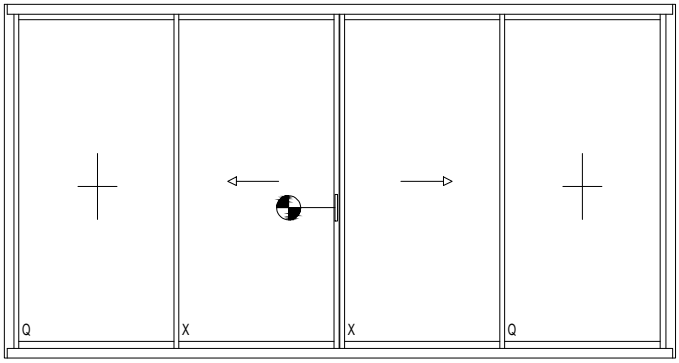


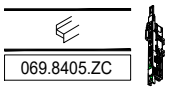


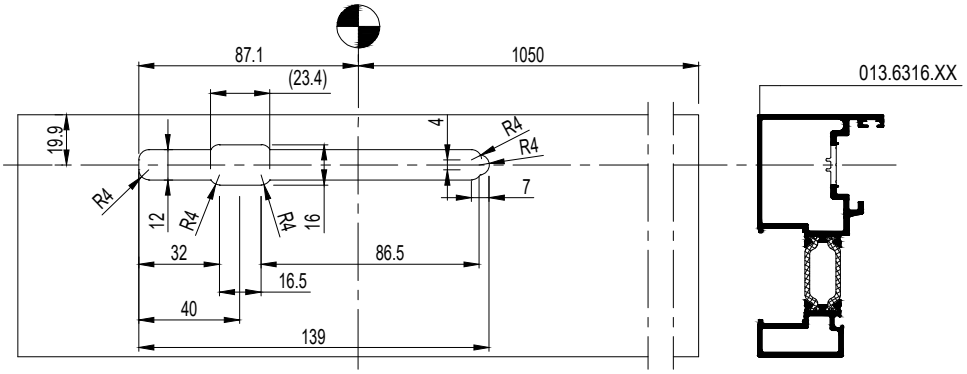
F

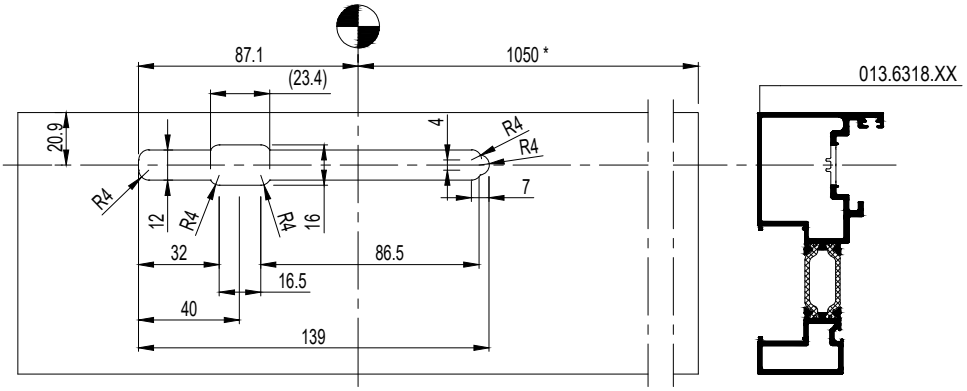
schaal - échelle
scale - Maßstab
1/3

KRUKHOOGTE REYNAPRO
HAUTEUR DE BEQUILLE REYNAPRO
HEIGHT OF HANDLE REYNAPRO
HANDGRIFFHOEHE REYNAPRO
1050 mm





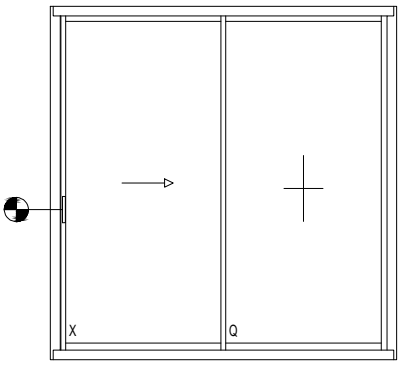




F

schaal - échelle
scale - Maßstab
1/3

KRUKHOOGTE REYNAPRO
HAUTEUR DE BEQUILLE REYNAPRO
HEIGHT OF HANDLE REYNAPRO
HANDGRIFFHOEHE REYNAPRO
1050 mm



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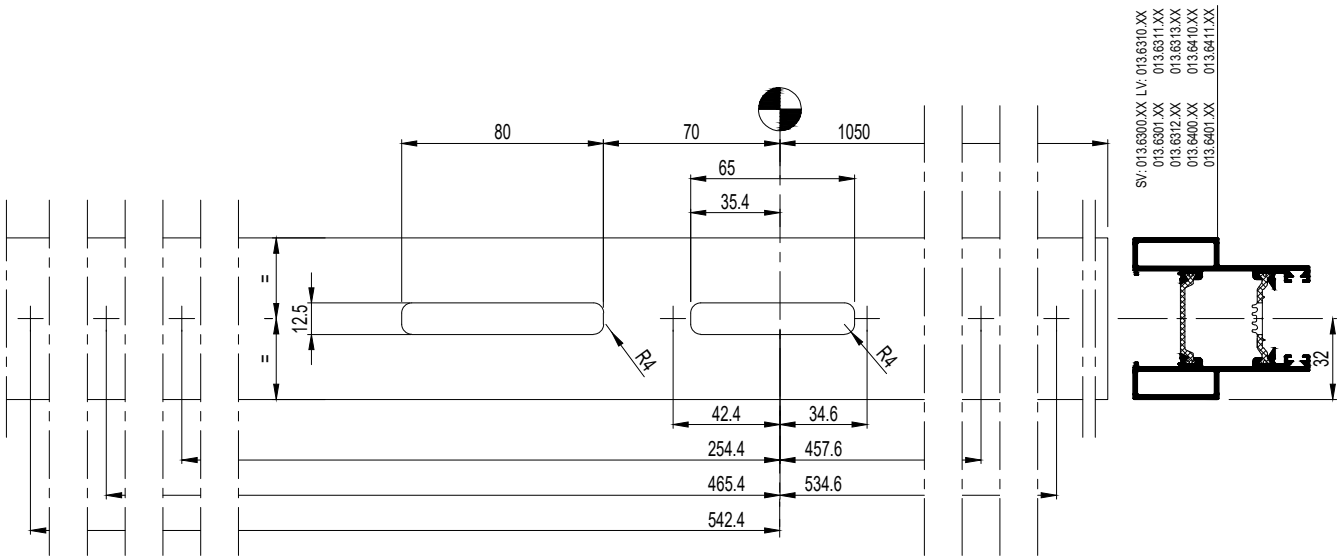
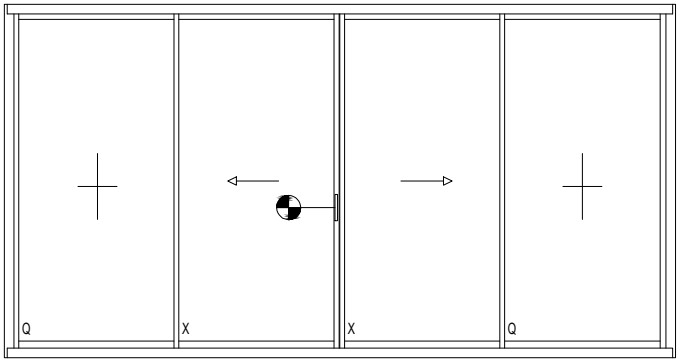


F

LET OP DE POSITIE VAN DE SCHROEFGATEN
FAIRE ATTENTION DE LA POSITION DES TROUS DE VIS
PAY ATTENTION TO POSITION OF THE SCREW HOLES
BEACHTEN SIE FUR DIE POSITION VON DIE SCHRAUBENLOCHER

schaal - échelle
scale - Maßstab
1/3

KRUKHOOGTE REYNAPRO
HAUTEUR DE BEQUILLE REYNAPRO
HEIGHT OF HANDLE REYNAPRO
HANDGRIFFHOEHE REYNAPRO
1050 mm



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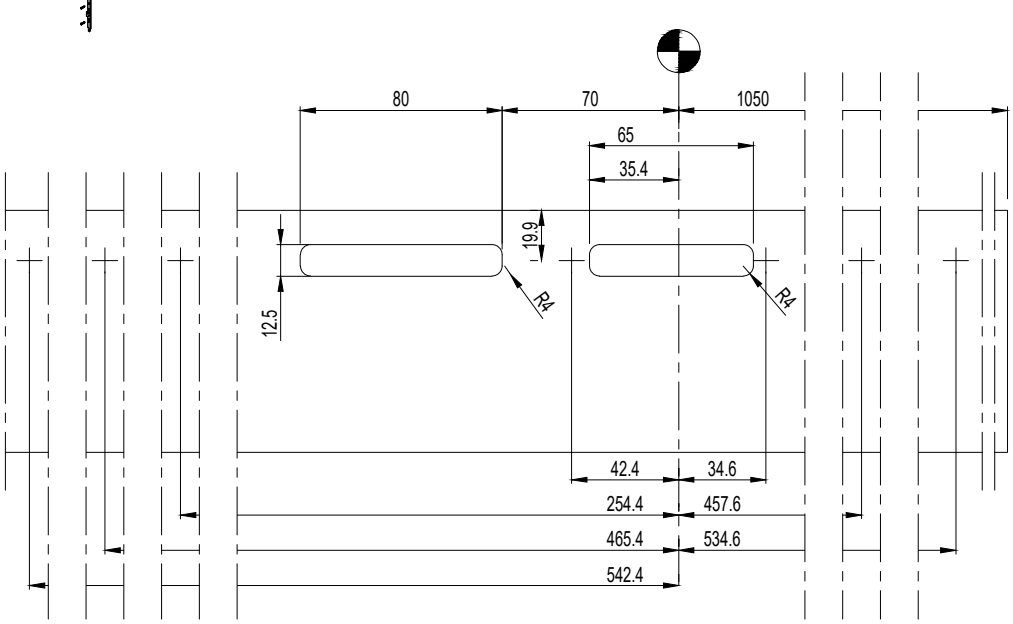
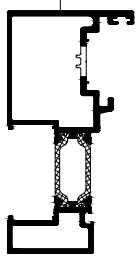
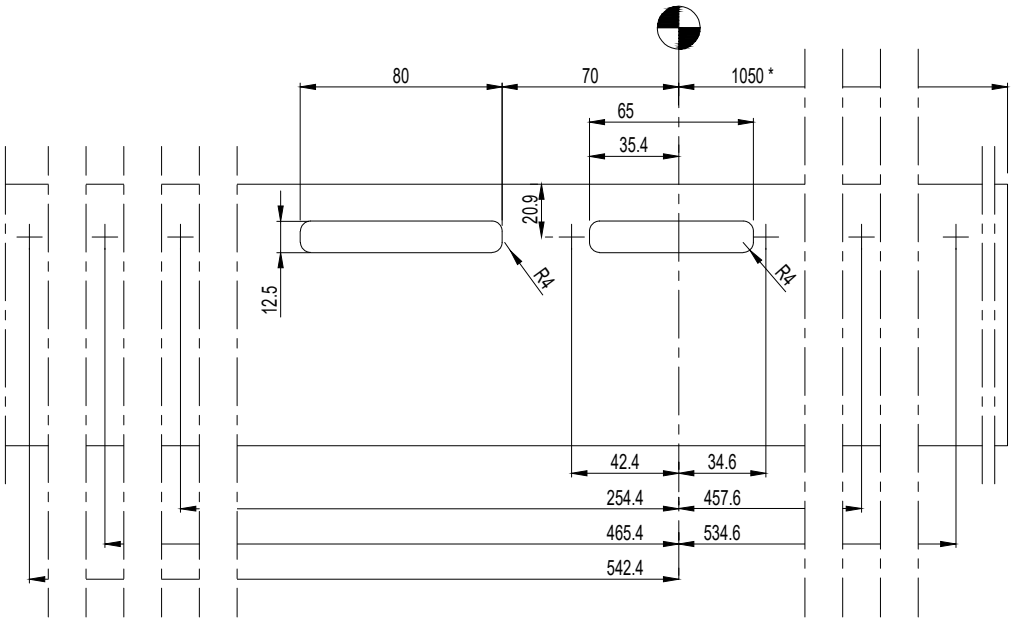


013.6316.XX





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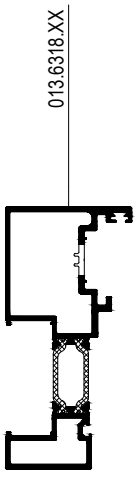
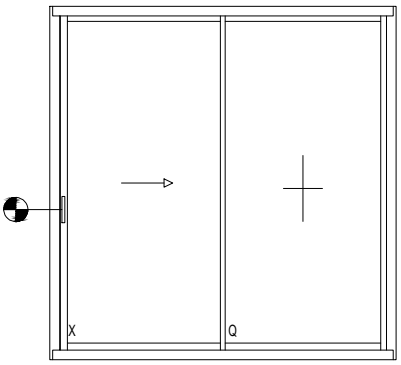


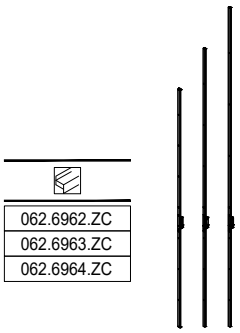
LET OP DE POSITIE VAN DE SCHROEFGATEN
FAIRE ATTENTION DE LA POSITION DES TROUS DE VIS
PAY ATTENTION TO POSITION OF THE SCREW HOLES
BEACHTEN SIE FUR DIE POSITION VON DIE SCHRAUBENLOCHER

schaal - échelle
scale - Maßstab
1/3

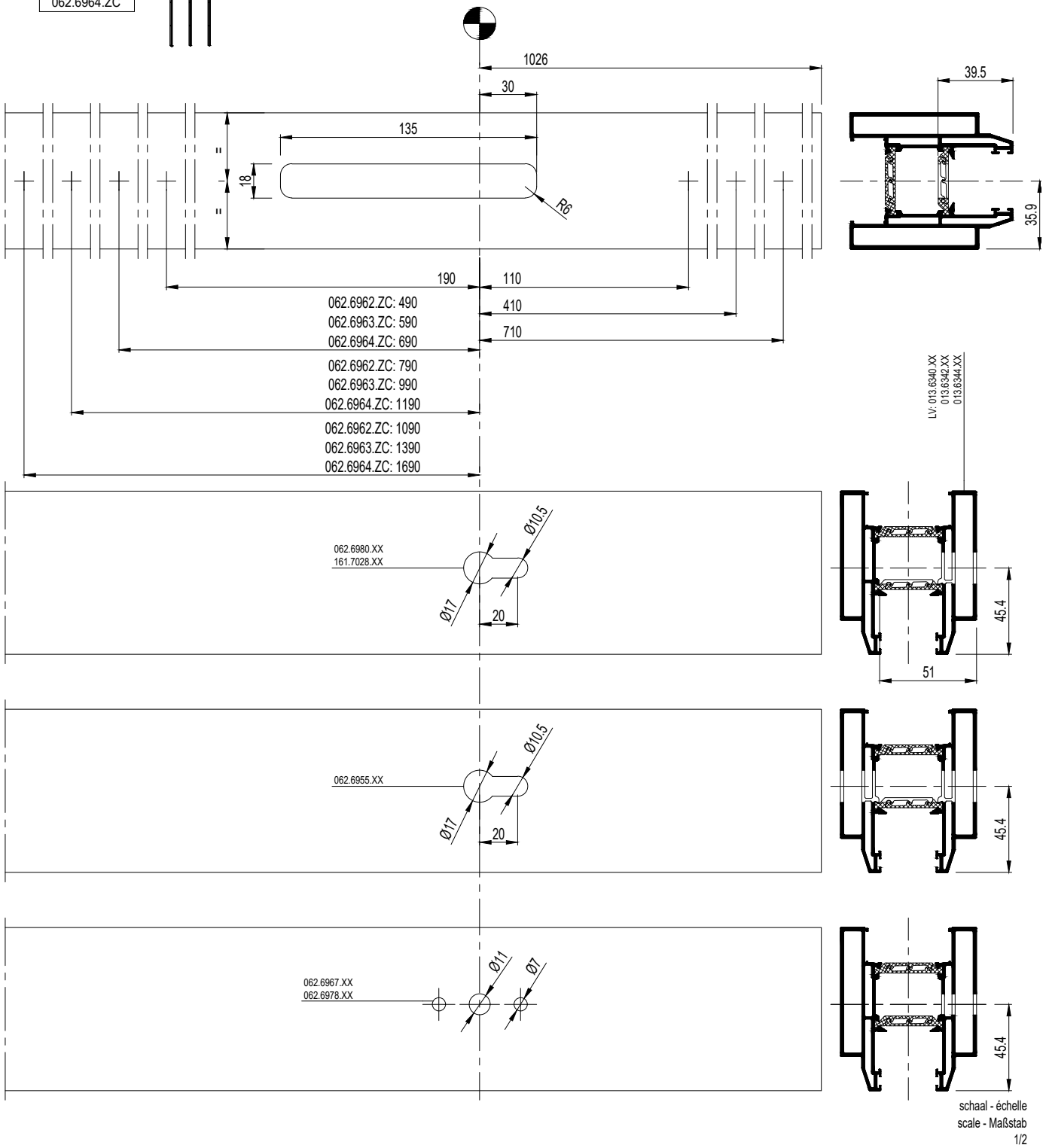
F

SLOT ONDERAAN NIET INGEKORT: CILINDERHOOGTE
SERRURE EN BAS NON RACCOURCIE: HAUTEUR DE CYLINDRE
LOCK NOT SHORTENED FROM THE BOTTOM: HEIGHT OF CYCLINDER
SCHLOESSER UNTEN NICHT GEKURZT: ZYLINDERHOEHE
1026 mm





062.6962.ZC
062.6963.ZC
062.6964.ZC

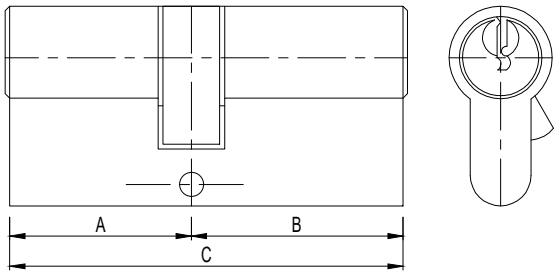


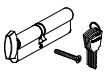
schaal - échelle
scale - Maßstab
1/2

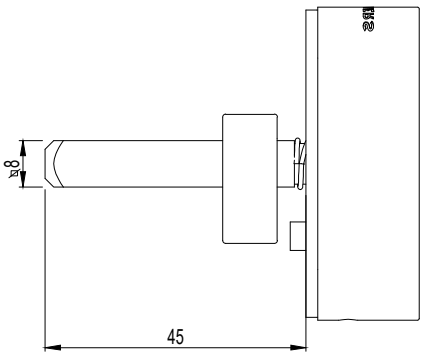
F

LET OP DE POSITIE VAN DE SCHROEFGATEN
FAIRE ATTENTION DE LA POSITION DES TROUS DE VIS
PAY ATTENTION TO POSITION OF THE SCREW HOLES
BEACHTEN SIE FUR DIE POSITION VON DIE SCHRAUBENLOCHER

LET OP DE POSITIE VAN DE SCHROEFGATEN
FAIRE ATTENTION DE LA POSITION DES TROUS DE VIS
PAY ATTENTION TO POSITION OF THE SCREW HOLES
BEACHTEN SIE FUR DIE POSITION VON DIE SCHRAUBENLOCHER



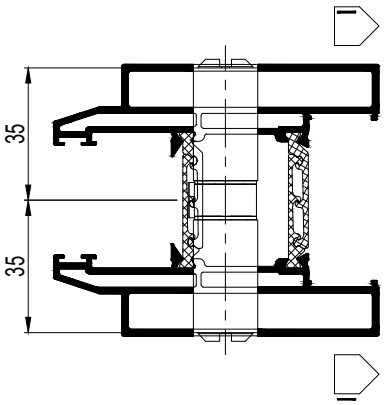
	CILINDER REF	A	B	C (TOTAL)	INFO
	062.6980.XX	35	10	45	HALF CYLINDER
	161.7028.XX	35	10	45	HALF CYLINDER
	062.6955.XX	35	35	70	
	061.9881.--	35	45	80	NOT PAINTABLE
	061.7043.--	35	35	70	
	061.7072.--	35	35	70	SKG**
	061.6148.--	35	35	70	SKG***
	061.7047.--	35	45	80	
	061.7074.--	35	45	80	SKG**
	061.7032.--	45	45	90	
	061.7082.--	45	45	90	SKG**
	061.6149.--	45	45	90	SKG***
	061.6334.XX				
	061.6992.XX				
	061.6969.XX				

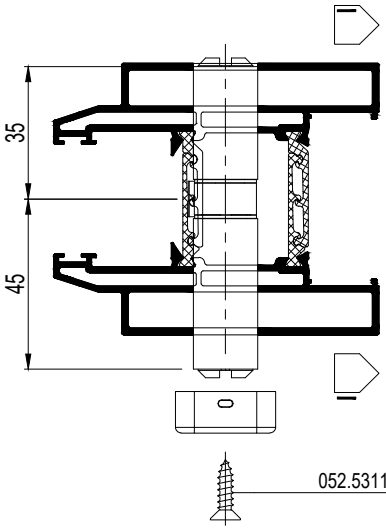


	article ref.		INFO
	062.6967.XX	acces inside	not lockable
	062.6978.XX	acces inside	lockable

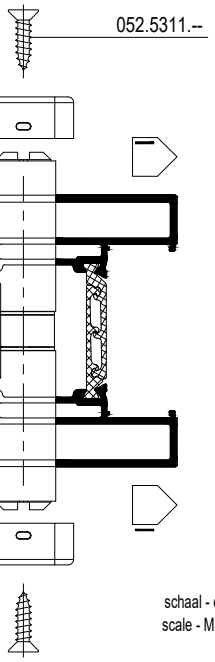
BINNENKRUK
POIGNEE-INTERIEURE
INSIDE-HANDLE
INNENGRIFF

BUITENKRUK
POIGNEE-EXTERIEURE
OUTSIDE-HANDLE
AUSSENGRIFF





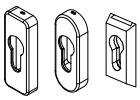
052.5311.--

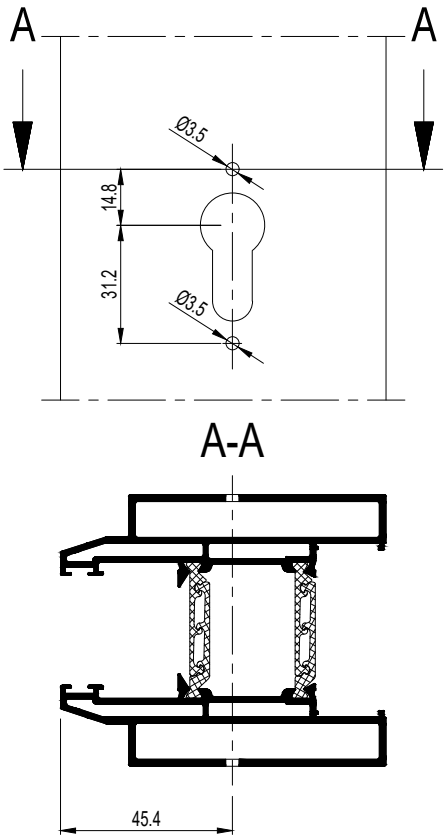


schaal - échelle
scale - Maßstab
1/2

F

061.6334.XX
061.6992.XX
061.6969.XX





F

schaal - échelle
scale - Maßstab
1/2

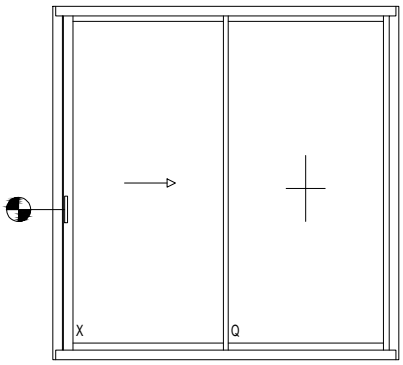
UITFREZING VOOR CILINDERPLAAT
FRAISAGE POUR ECUSSON
MILLING FOR CYLINDER COVER
AUSFRAESUNG FUR PZ-ROZETTE

Reynaers Aluminium

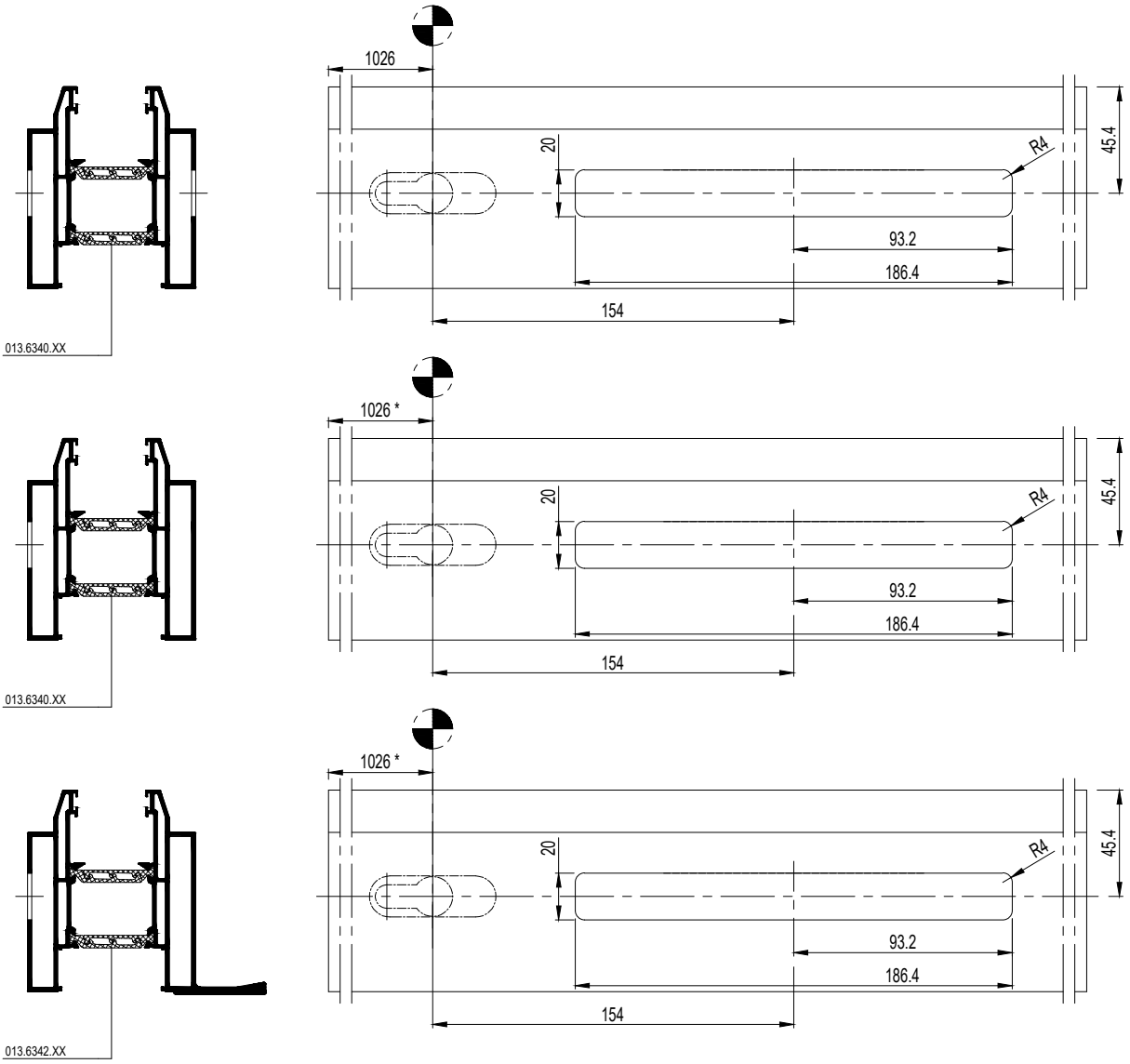
F

schaal - échelle
scale - Maßstab
1/2

SLOT ONDERAAN NIET INGEKORT: CILINDERHOOGTE
SERRURE EN BAS NON RACCOURCIE: HAUTEUR DE CYLINDRE
LOCK NOT SHORTENED FROM THE BOTTOM: HEIGHT OF CYCLINDER
SCHLOESSER UNTEN NICHT GEKURZT: ZYLINDERHOEHE
1026 mm



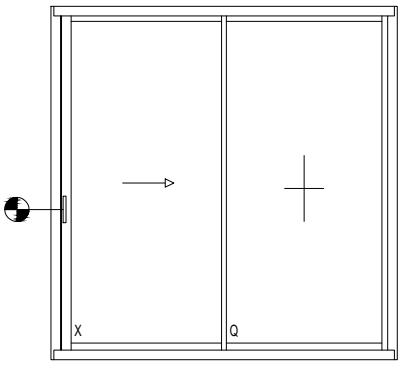
069.8446.PA



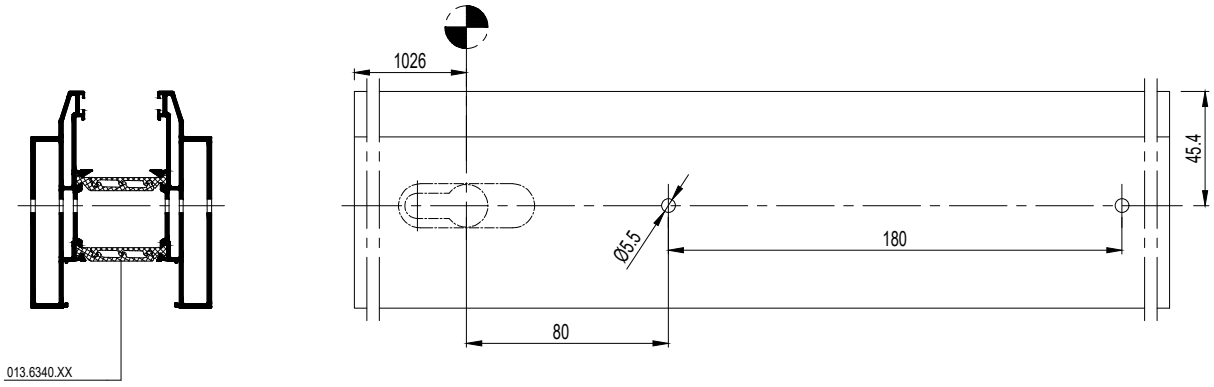
F

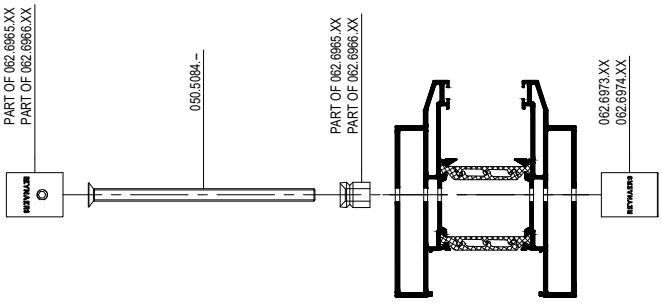
schaal - échelle
scale - Maßstab
1/2

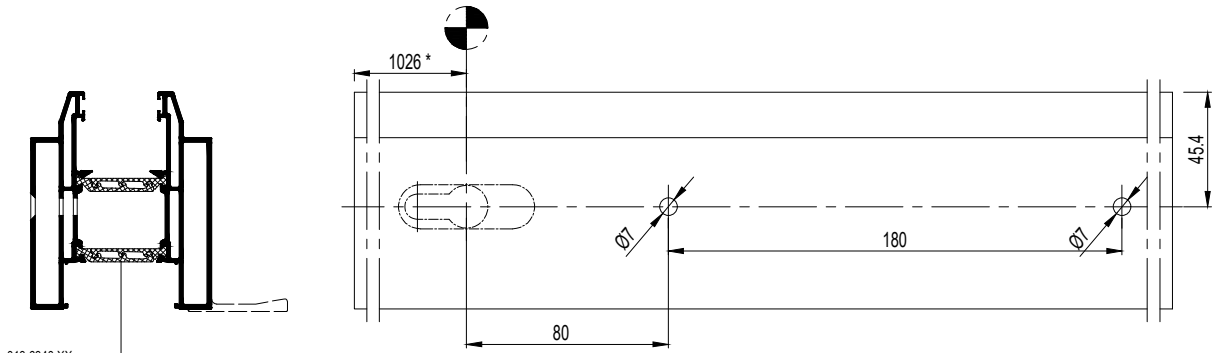
SLOT ONDERAAN NIET INGEKORT: CILINDERHOOGTE
SERRURE EN BAS NON RACCOURCIE: HAUTEUR DE CYLINDRE
LOCK NOT SHORTENED FROM THE BOTTOM: HEIGHT OF CYCLINDER
SCHLOESSER UNTEN NICHT GEKURZT: ZYLINDERHOEHE
1026 mm

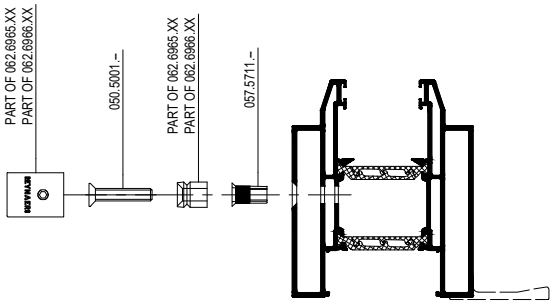


062.6965.XX
062.6966.XX
062.6973.XX
062.6974.XX





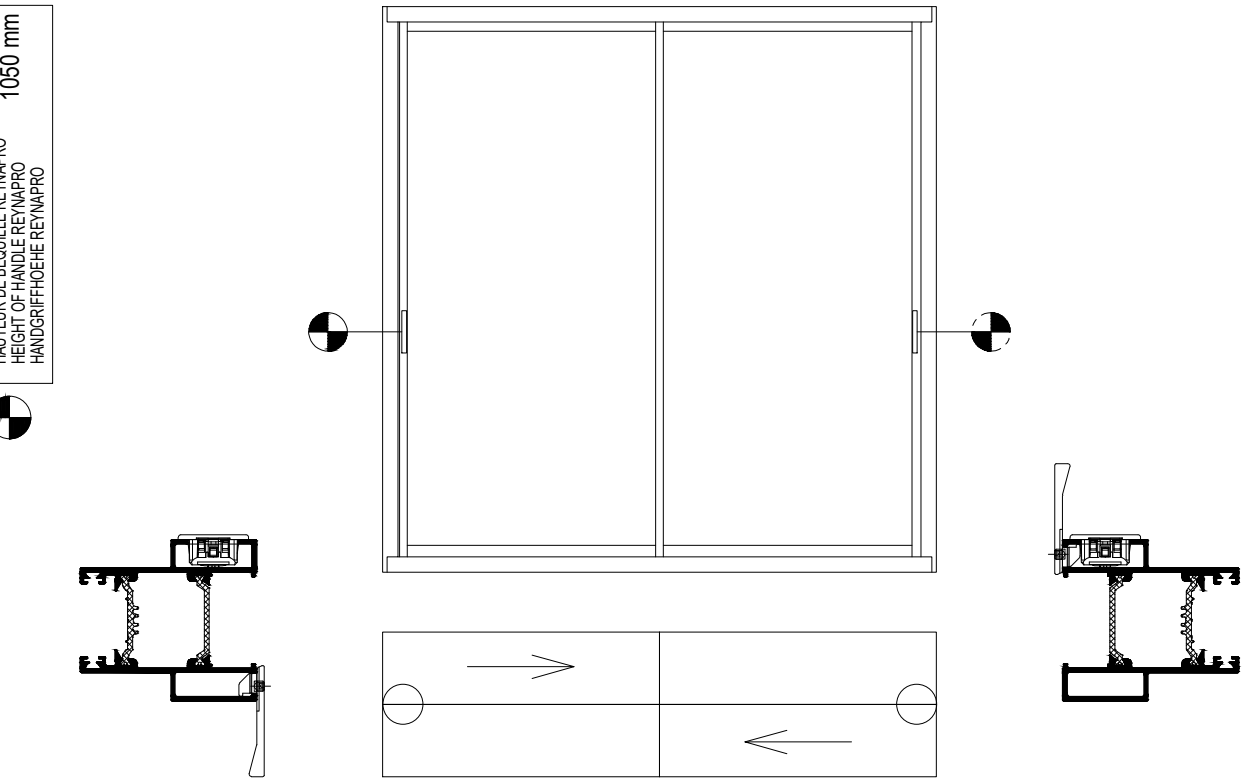


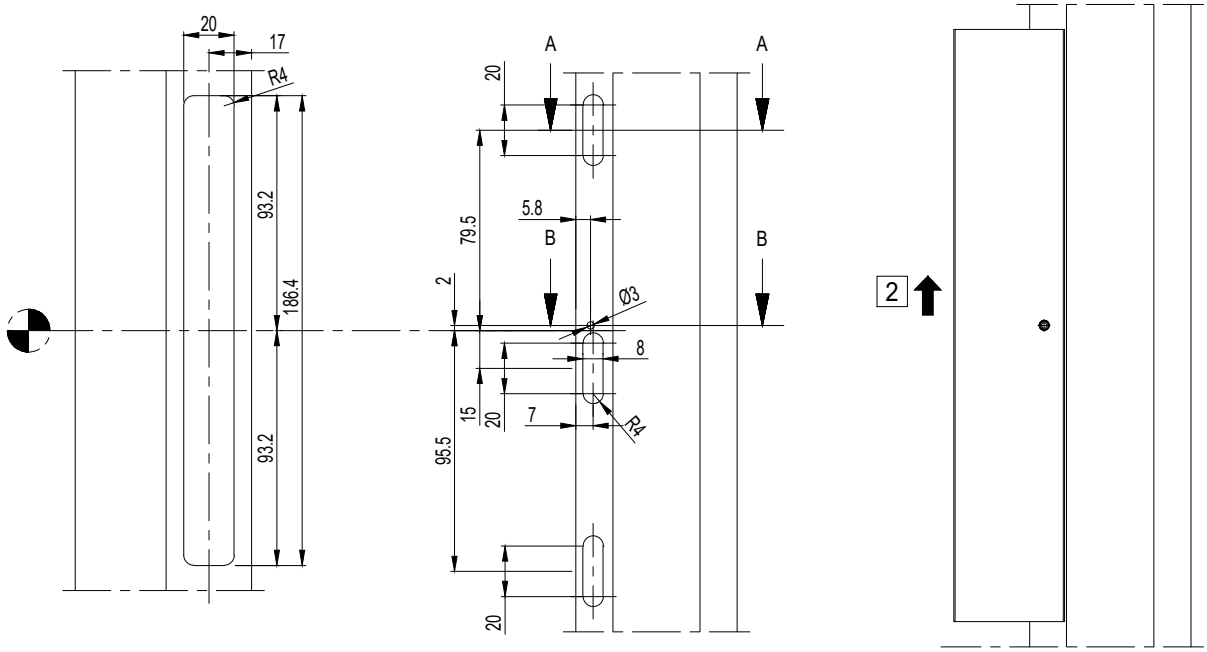


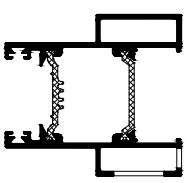
schaal - échelle
scale - Maßstab
1/2

F

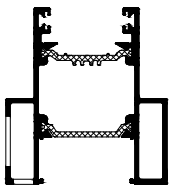
KRUKHOOGTE REYNAPRO
HAUTEUR DE BEQUILLE REYNAPRO
HEIGHT OF HANDLE REYNAPRO
HANDGRIFFHOEHE REYNAPRO
1050 mm



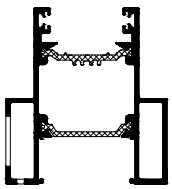




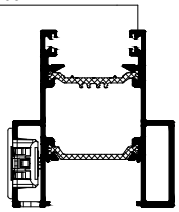
A-A



B-B



SV:013.6300.XX LV:013.6310.XX
013.6301.XX 013.6311.XX



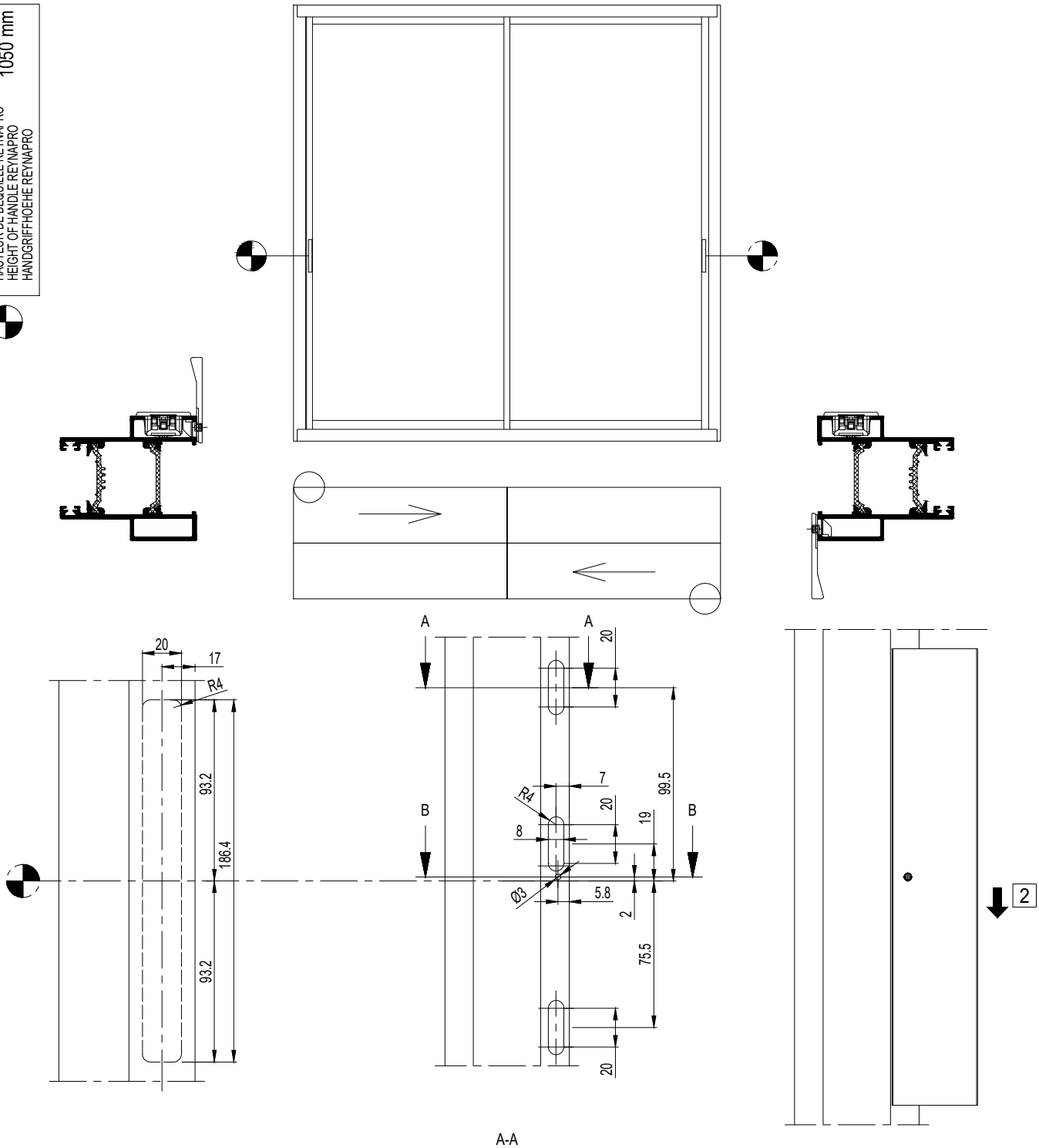
1 062.7780.XX

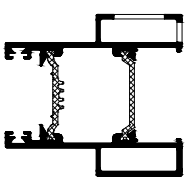
3 051.5265.-- schaal - échelle
scale - Maßstab
1/3

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

F

KRUKHOOGTE REYNAPRO
HAUTEUR DE BEQUILLE REYNAPRO
HEIGHT OF HANDLE REYNAPRO
HANDGRIFFHOEHE REYNAPRO
1050 mm





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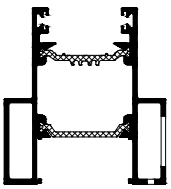
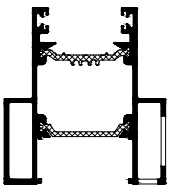
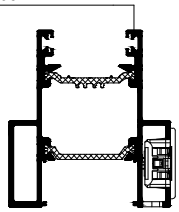


B-B



SV:013.6300.XX LV:013.6310.XX
013.6301.XX 013.6311.XX



062.7780.XX 1

051.5265.-- 3

schaal - échelle
scale - Maßstab
1/3

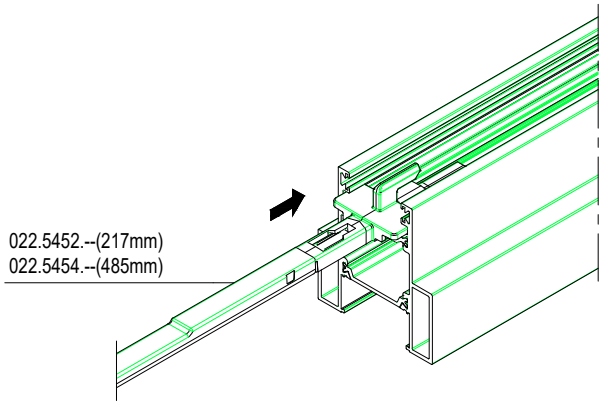
MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

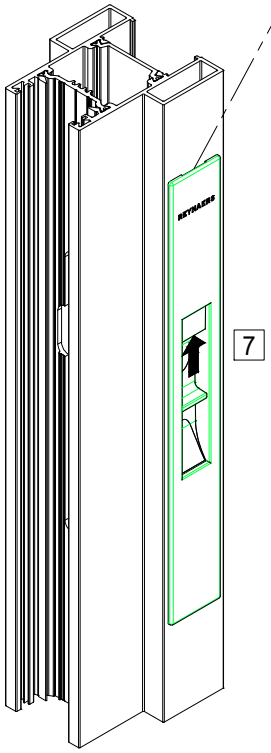
1 2 3 .

F

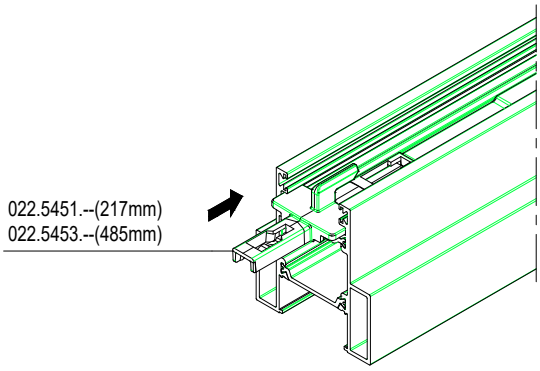
DUW HET PIN DETAIL TERUG MET EEN PLATTE SCHROEVENDRAAIER OM DE KRUK TE VERWIJDEREN
POUSSEZ L'ERGOT A L'AIDE D'UN TOURNEVIS POUR RETIRER LA POIGNEE
PUSH PIN DETAIL WITH FLATHEAD SCREWDRIVER TO REMOVE HANDLE
DRUCKEN SIE DAS PIN-DETAIL MIT DEM FLACHKOPF SCHRAUBENZIEHER UM DEN HANDGRIFF ZU ENTFERNEN

1 BOVENSTUK
PARTIE HAUTE
UPPER PART
OBERER TEIL





2 ONDERSTUK
PARTIE BASSE
LOWER PART
UNTERER TEIL



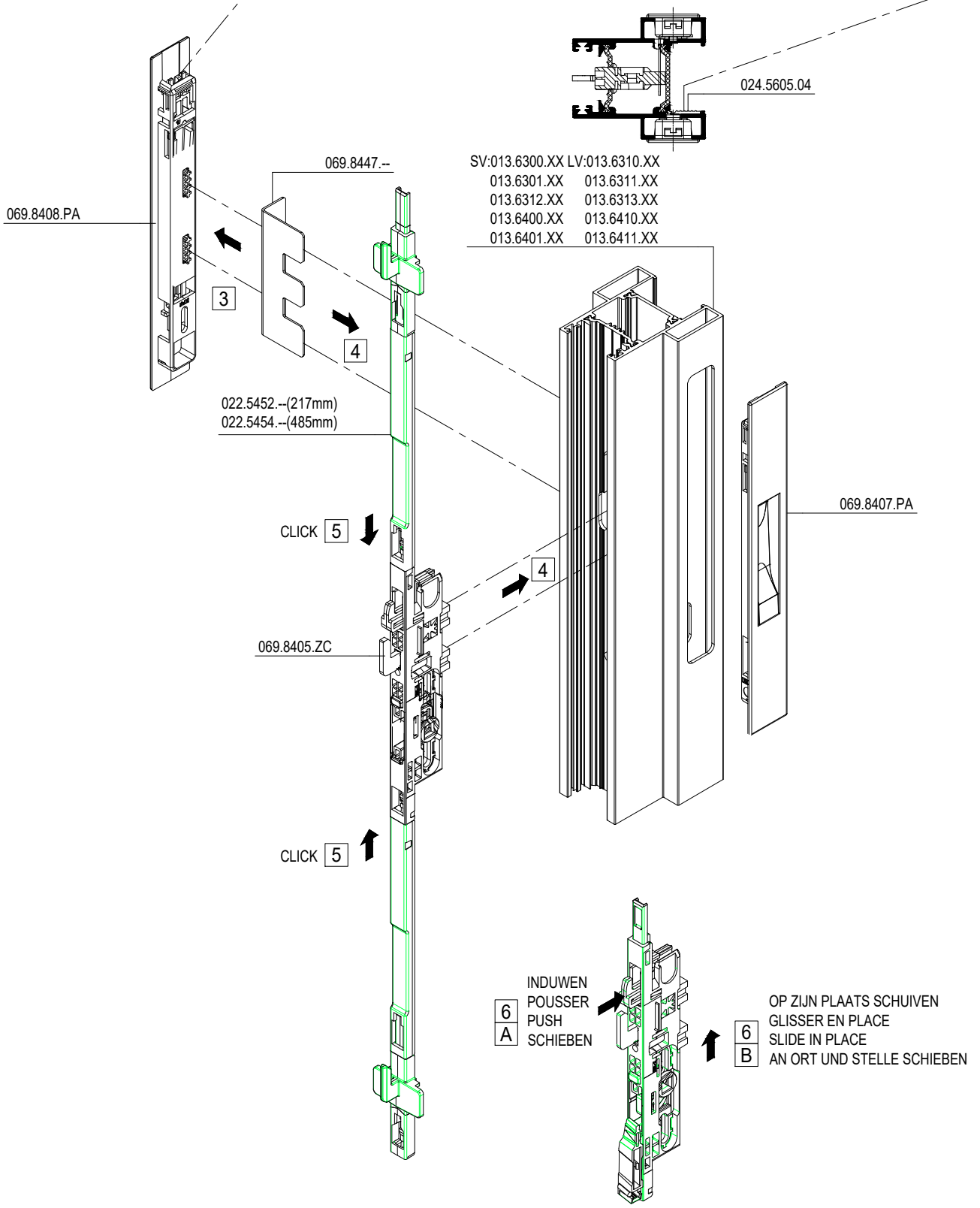
F

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

schaal - échelle
scale - Maßstab
1/3

PIN MOET TERUGGETROKKEN ZIJN
L'ERGOT DOIT_ETRE RETRACTE
PIN MUST BE RETRACTED
PIN MUSS EINFAHREN SIND

INSTALLEER 024.5605.04 VOOR HET SLEUFGAT
INSTALLER 024.5605.04 EN FACE DE LA FENTE
INSTALL 024.5605.04 IN FRONT OF THE SLOT
INSTALLIEREN SIE 024.5605.04 VOR DER SCHLITZ



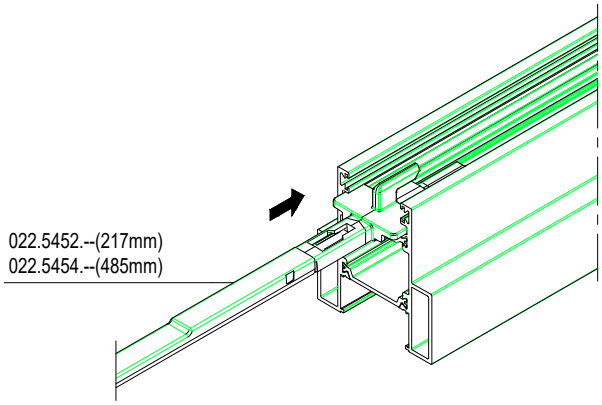
MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
A B C .

BUITEN VASTE HANDGREEP 069.8407.PA IS OPTIONEEL
MANIPULER A L'EXTERIEUR FIXE 069.8407.PA EST FACULTATIF
OUTSIDE FIXED HANDLE 069.8407.PA IS OPTIONAL
AUBEN FESTE BEHANDELN 069.8407.PA IST OPTIONAL

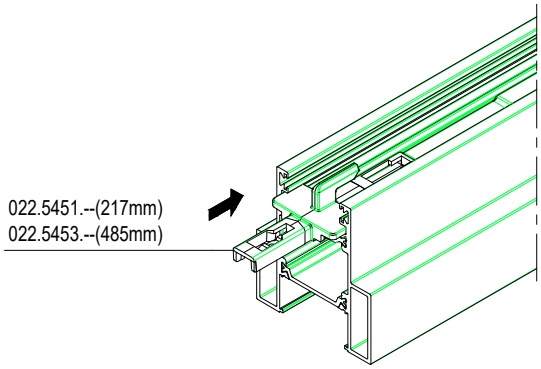
schaal - échelle
scale - Maßstab
1/3

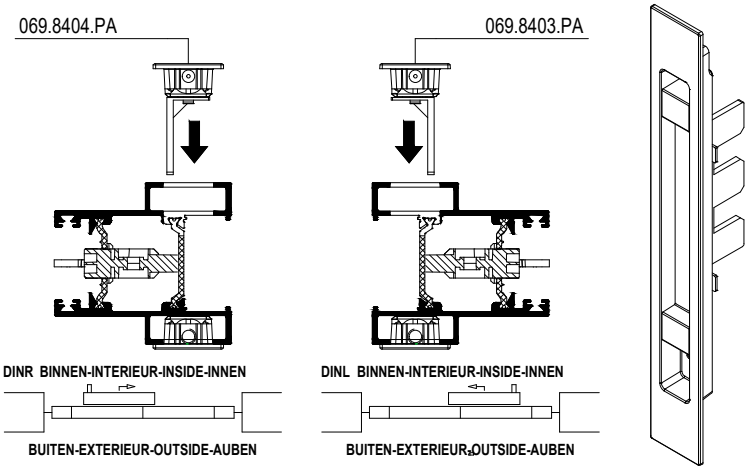
F

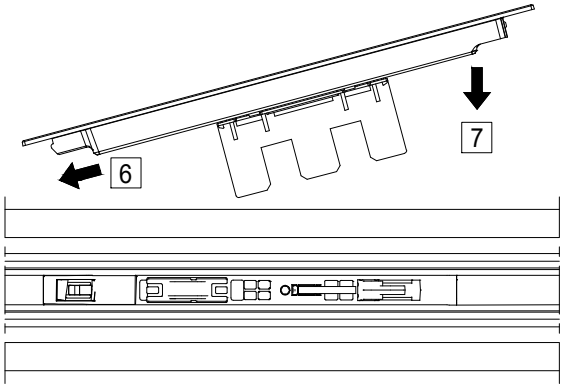
1 BOVENSTUK
PARTIE HAUTE
UPPER PART
OBERER TEIL



2 ONDERSTUK
PARTIE BASSE
LOWER PART
UNTERER TEIL

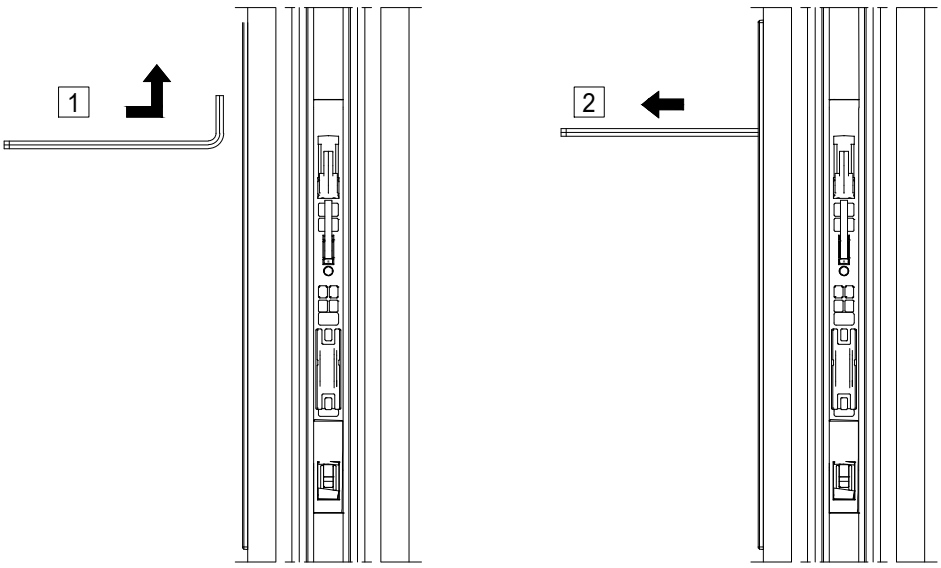




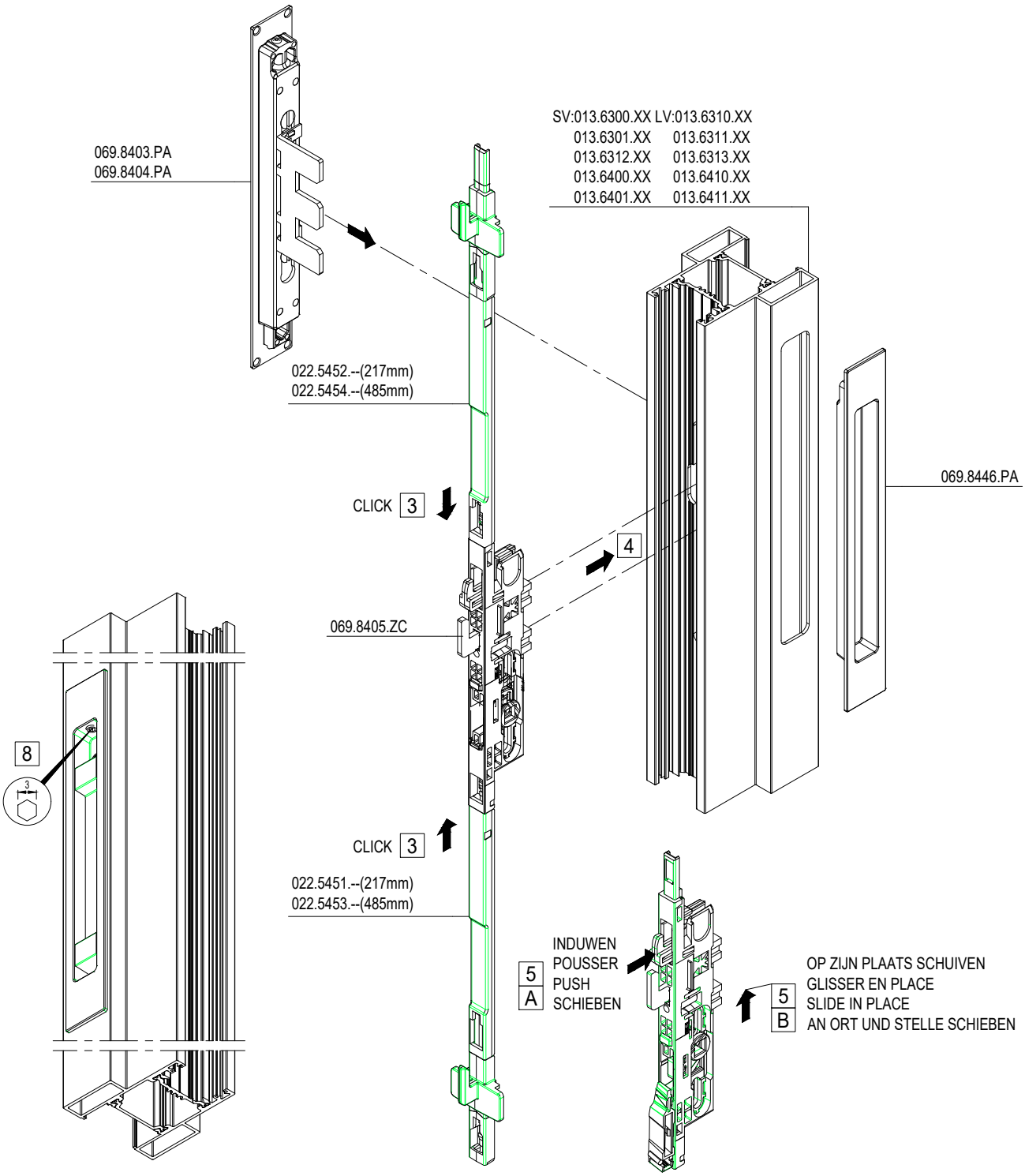


6+7: PLAATS KOMGREEP EN SLOT IN GESLOTEN POSITIE
6+7: POSITIONER POIGNEE A CUVETTE ET SERRURE EN POSITION FERMEE
6+7: PLACE CUP HANDLE AND LOCK IN CLOASED POSITION
6+7: SETZEN SIE DIE SCHALENGRIFF UND HAKENSCHLOSS IN GESCHLOSSENER POSITION

DEMONTAGE
DEMONTAGE
DISASSEMBLY
DEMONTAGE



schaal - échelle
scale - Maßstab
1/3



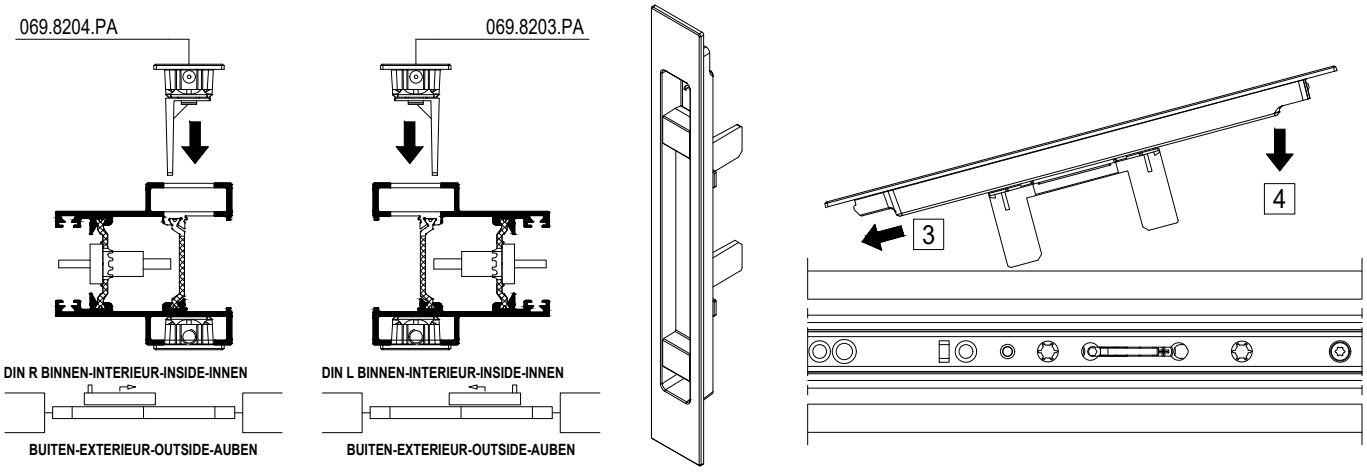
BUITEN VASTE HANDGREEP 069.8446.XX IS OPTIONEEL
MANIPULER A L'EXTERIEUR FIXE 069.8446.XX EST FACULTATIF
OUTSIDE FIXED HANDLE 069.8446.XX IS OPTIONAL
AUBEN FESTE BEHANDELN 069.8446.XX IST OPTIONAL

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
A B C .

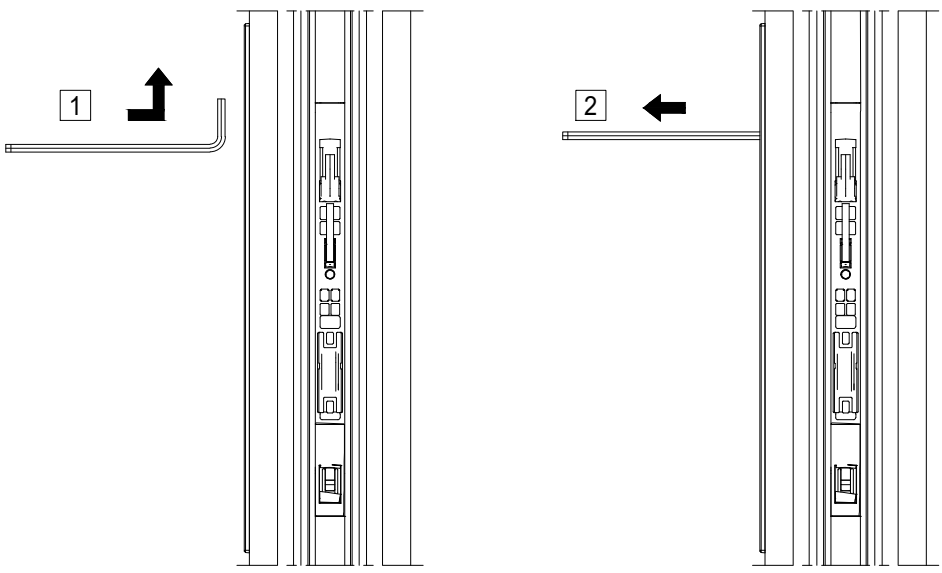
schaal - échelle
scale - Maßstab
1/3

F



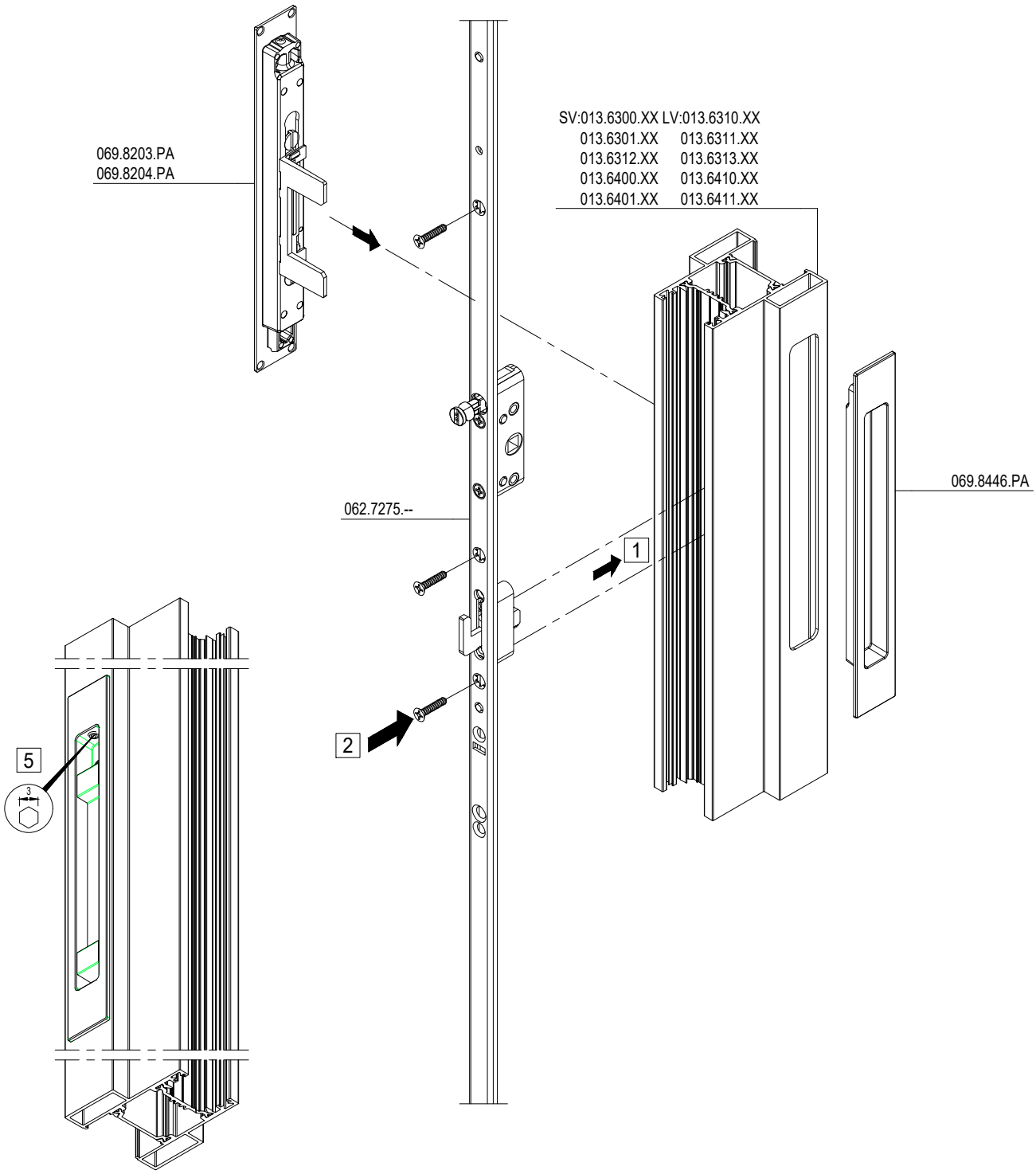
3+4: PLAATS KOMGREEP EN SLOT IN GESLOTEN POSITIE
3+4: POSITIONER POIGNEE A CUVETTE ET SERRURE EN POSITION FERMEE
3+4: PLACE CUP HANDLE AND LOCK IN CLOASED POSITION
3+4: SETZEN SIE DIE SCHALENGRIFF UND HAKENSCHLOSS IN GESCHLOSSENER POSITION

DEMONTAGE
DEMONTAGE
DISASSEMBLY
DEMONTAGE



schaal - échelle
scale - Maßstab
1/2

F



!	BUITEN VASTE HANDGREEP 069.8446.XX IS OPTIONEEL MANIPULER A L'EXTERIEUR FIXE 069.8446.XX EST FACULTATIF OUTSIDE FIXED HANDLE 069.8446.XX IS OPTIONAL AUBEN FESTE BEHANDELN 069.8446.XX IST OPTIONAL

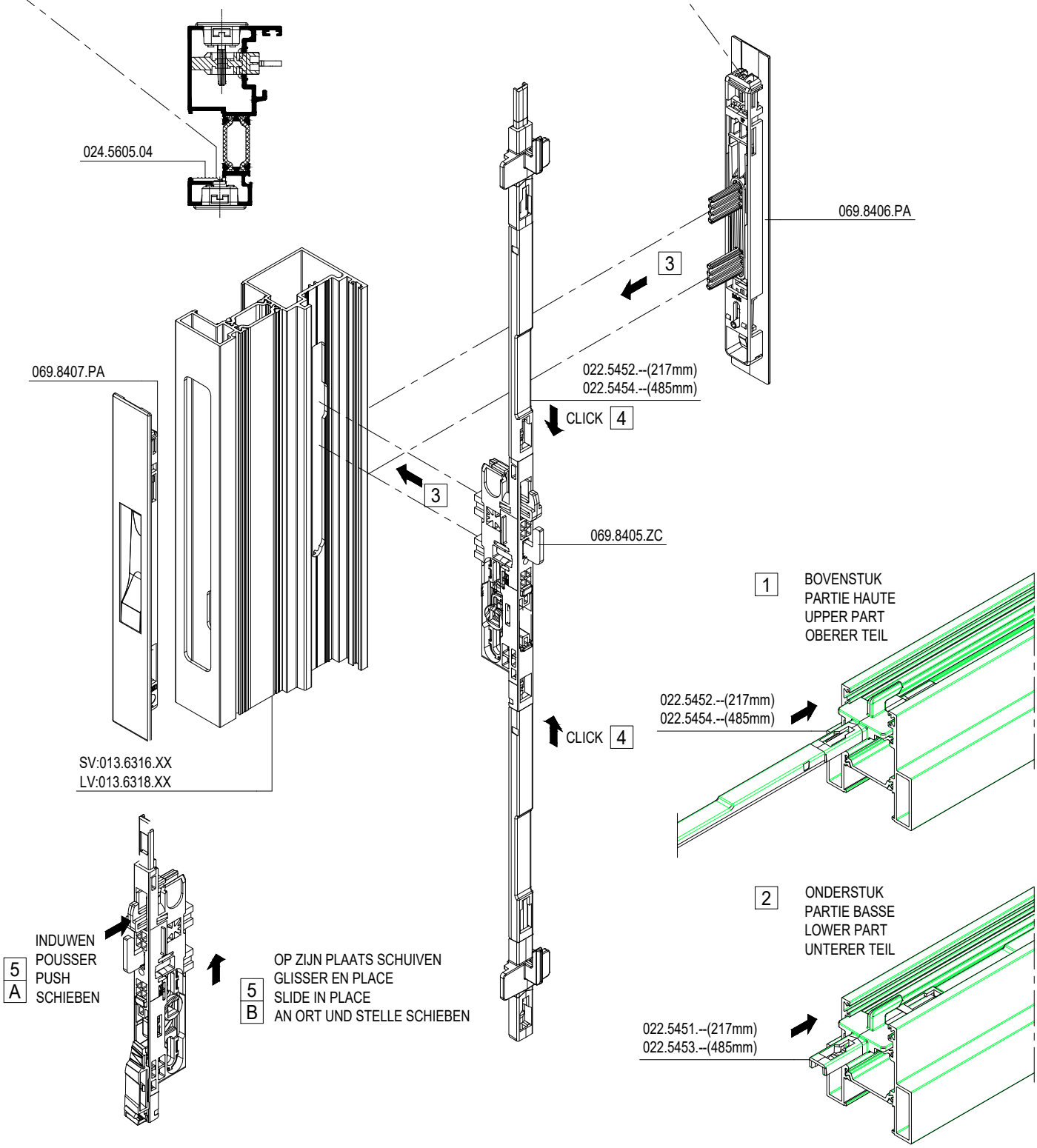
MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

schaal - échelle
scale - Maßstab
1/2

F

INSTALLEER 024.5605.04 VOOR HET SLEUFGAT
INSTALLER 024.5605.04 EN FACE DE LA FENTE
INSTALL 024.5605.04 IN FRONT OF THE SLOT
INSTALLIEREN SIE 024.5605.04 VOR DER SCHLITZ

PIN MOET TERUGGETROKKEN ZIJN
L'ERGOT DOIT_ETRE RETRACTE
PIN MUST BE RETRACTED
PIN MUSS EINFAHREN SIND



MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
A B C .

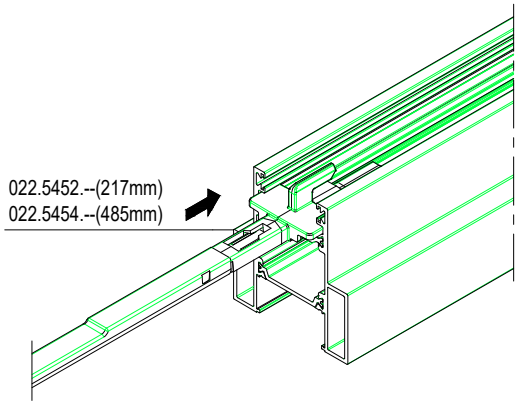
BUITEN VASTE HANDGREEP 069.8407.PA IS OPTIONEEL
MANIPULER A L'EXTERIEUR FIXE 069.8407.PA EST FACULTATIF
OUTSIDE FIXED HANDLE 069.8407.PA IS OPTIONAL
AUBEN FESTE BEHANDELN 069.8407.PA IST OPTIONAL

schaal - échelle
scale - Maßstab
1/3

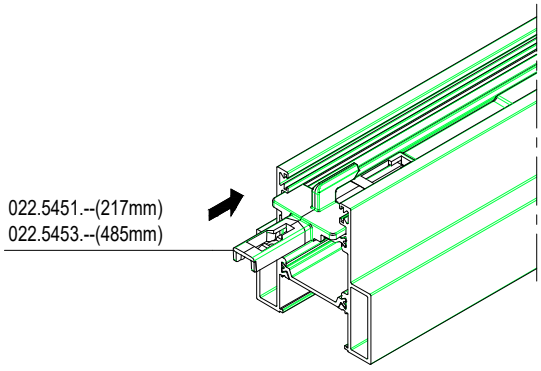
F

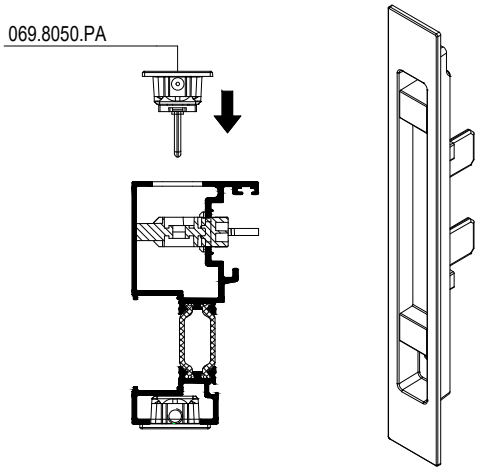
schaal - échelle
scale - Maßstab
1/3

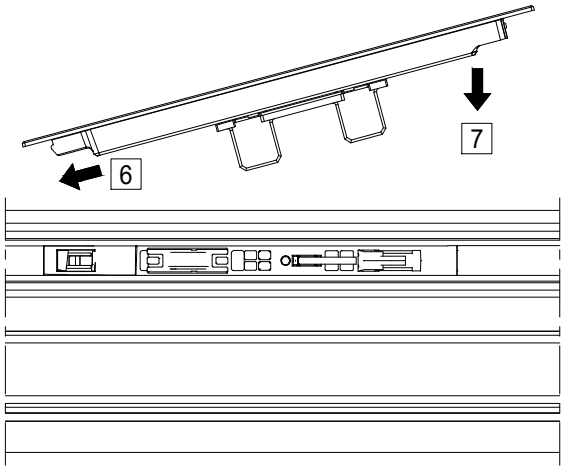
1 BOVENSTUK
PARTIE HAUTE
UPPER PART
OBERER TEIL



2 ONDERSTUK
PARTIE BASSE
LOWER PART
UNTERER TEIL

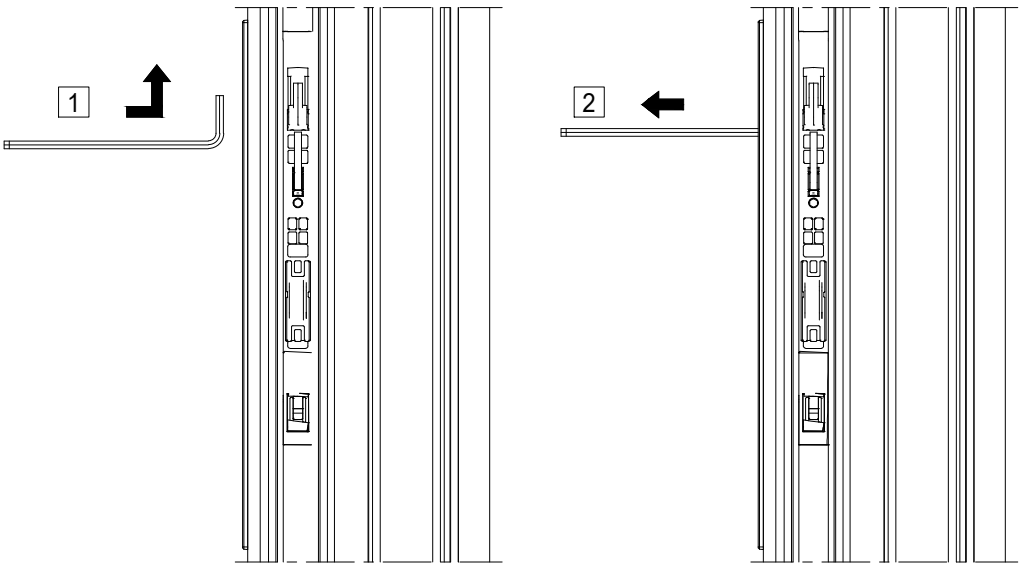






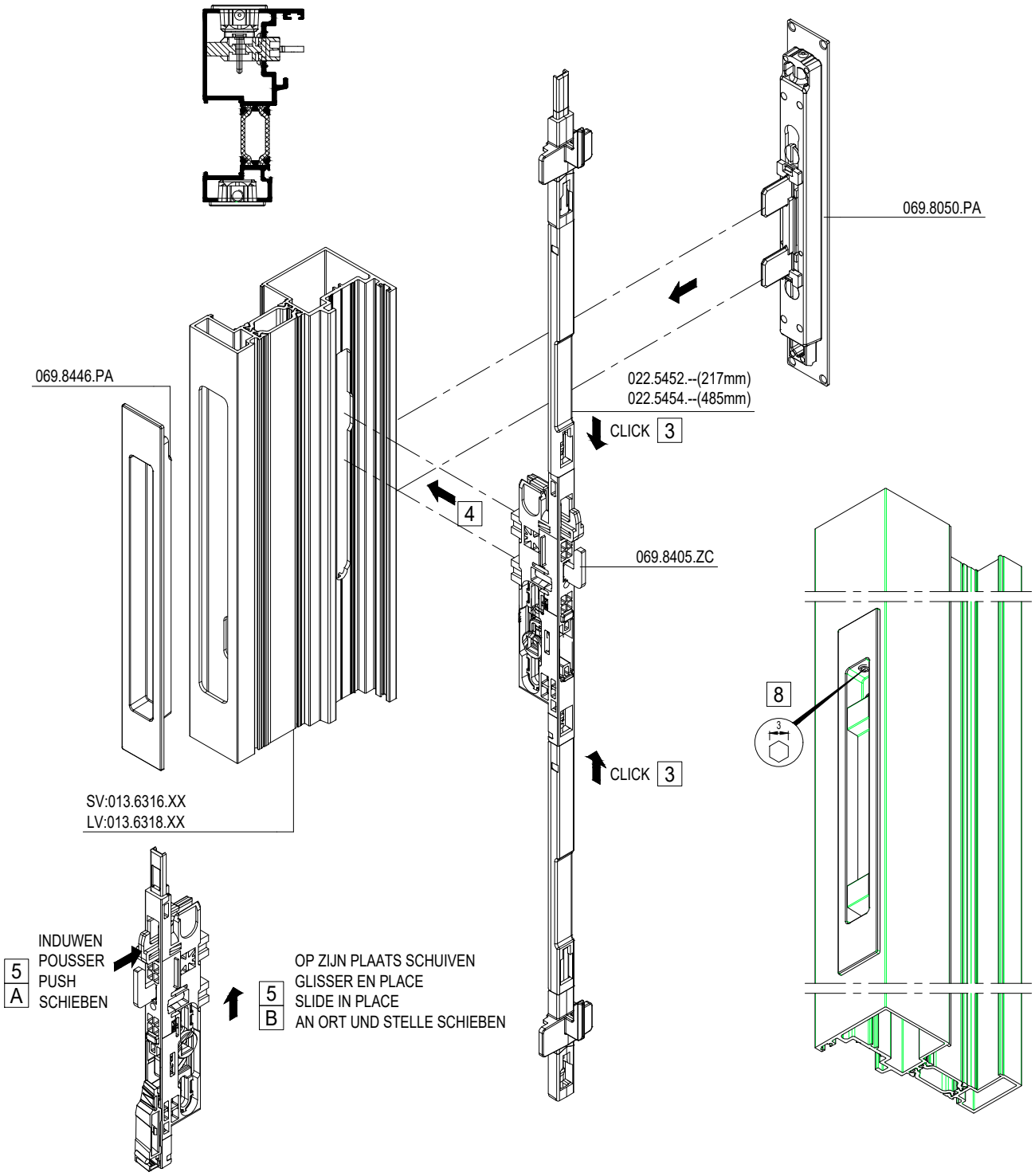
6+7: PLAATS KOMGREEP EN SLOT IN GESLOTEN POSITIE
6+7: POSITIONER POIGNEE A CUVETTE ET SERRURE EN POSITION FERMEE
6+7: PLACE CUP HANDLE AND LOCK IN CLOASED POSITION
6+7: SETZEN SIE DIE SCHALENGRIFF UND HAKENSCHLOSS IN GESCHLOSSENER POSITION

DEMONTAGE
DEMONTAGE
DISASSEMBLY
DEMONTAGE



schaal - échelle
scale - Maßstab
1/2

F



BUITEN VASTE HANDGREEP 069.8446.XX IS OPTIONEEL
MANIPULER A L'EXTERIEUR FIXE 069.8446.XX EST FACULTATIF
OUTSIDE FIXED HANDLE 069.8446.XX IS OPTIONAL
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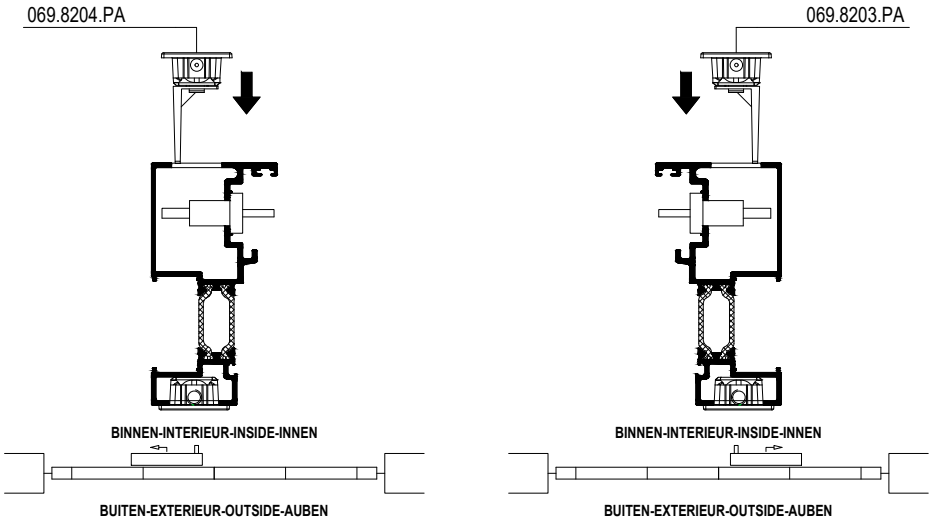
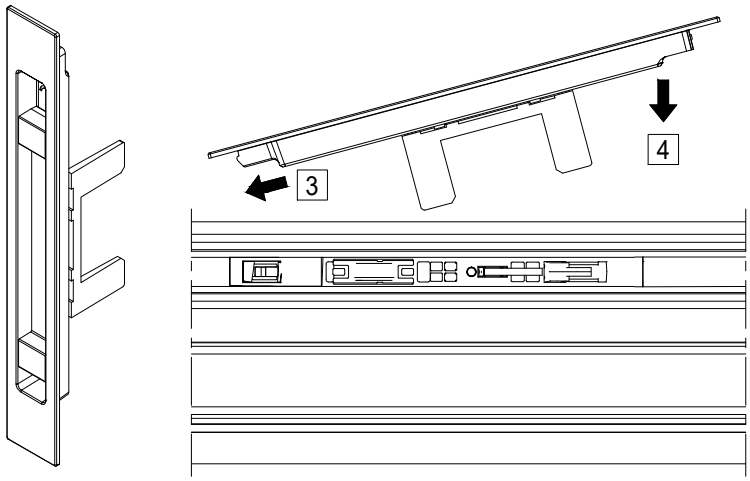
MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
A B C .

schaal - échelle
scale - Maßstab
1/2

F





6+7: PLAATS KOMGREEP EN SLOT IN GESLOTEN POSITIE
6+7: POSITIONER POIGNEE A CUVETTE ET SERRURE EN POSITION FERMEE
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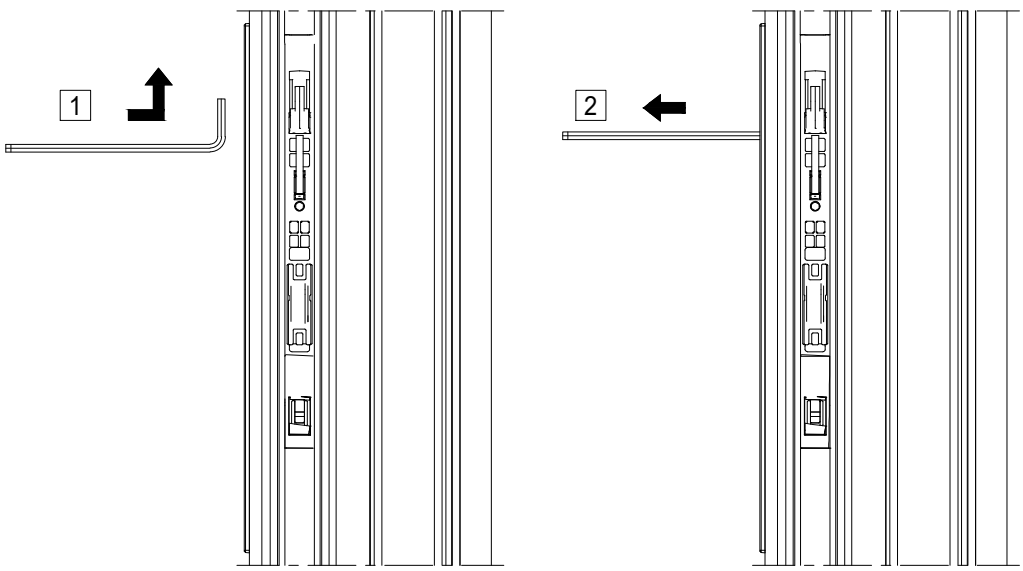
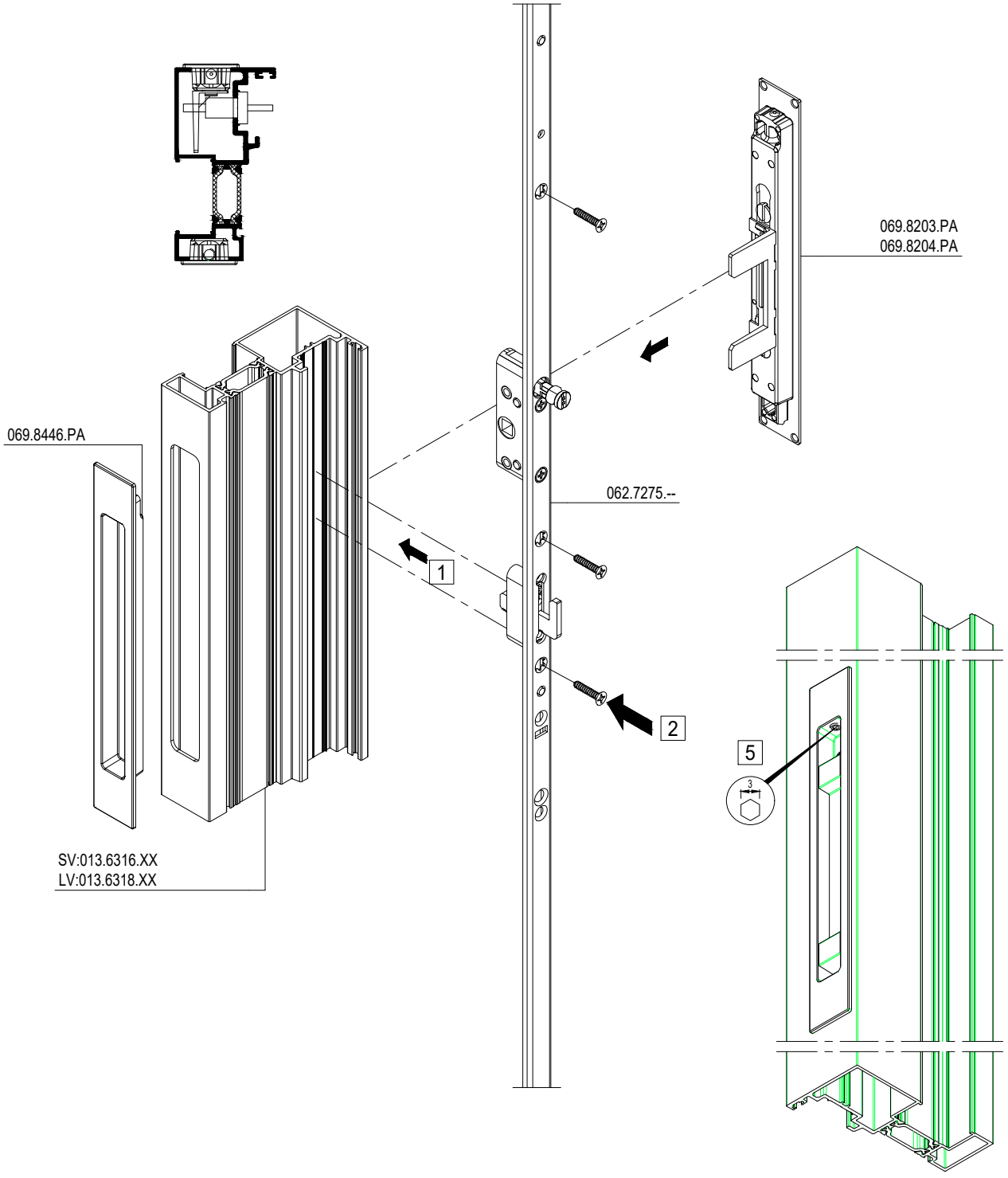
DEMONTAGE
DEMONTAGE
DISASSEMBLY
DEMONTAGE



schaal - échelle
scale - Maßstab
1/2

F



!	BUITEN VASTE HANDGREEP 069.8446.XX IS OPTIONEEL MANIPULER A L'EXTERIEUR FIXE 069.8446.XX EST FACULTATIF OUTSIDE FIXED HANDLE 069.8446.XX IS OPTIONAL AUBEN FESTE BEHANDELN 069.8446.XX IST OPTIONAL

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
A B C .

schaal - échelle
scale - Maßstab
1/2

F

1 ZAAG HET SLOT OP MAAT ZONDER DE KUNSTSTOF STANGEN TE DEMONTEREN; DE KUNSTSTOF STANGEN MOETEN TEGEN DE KUNSTSTOF EINDSTUKKEN ZITTEN TIJDENS HET ZAGEN
COUPER LA SERRURE A LA TAILLE SANS RETIRER LES TIGES EN PLASTIQUE. LES TIGES EN PLASTIQUE DOIT S'ASSEOIR CONTRE LES EMBOUTS EN PLASTIQUE
CUT THE LOCK TO SIZE WITHOUT DISASSEMBLING THE PLASTIC RODS; THE PLASTIC RODS SHOULD TOUCH THE PLASTIC END PIECES DURING SAWING
SCHNEIDEN SIE DAS SCHLOSS ZU OHNE DIE PLASTIK STANGEN ZU ZERLEGEN; DIE PLASTIK STANGEN MUSS WAHREND DES SCHNEIDENS GEGEN DAS KUNSTSTOFFENDE SITZEN

2 DEMONTEER DE KUNSTSTOF STANGEN
RETIRER LES TIGES EN PLASTIQUE
DISASSEMBLE THE PLASTIC RODS
ENTFERNEN SIE DIE KUNSTSTOFFSTANGEN

3 A VERWIJDER DE CILINDERBOUT
ENLEVER LE BOULON DE CYLINDRE
REMOVE THE CYLINDER BOLT
DER ZYLINDER BLITZ ENTFERNEN

3 B VERWIJDER HET CILINDER VULSTUK
ENLEVER PIECE DE REMPLISSAGE DE CYCLINDRE
REMOVE CYLINDER FILLING PART
ZYLINDER KLOTZ ENTFERNEN

4 SCHROEF HET SLOT IN HET PROFIEL
VISSER LA SERRURE DANS LE PROFIL
SCREW THE LOCK IN THE PROFIL
SCHRAUBEN SIE DAS SCHLOSS IN DAS PROFIL

5 SCHUIF DE DICHTINGEN 029.5655.04 IN HET PROFIEL
GLISSER LES JOINTS 029.5655.04 DANS LE PROFIL
SLIDE THE GASKETS 029.5655.04 IN THE PROFIL
RUTSCHEN SIE DIE DICHTUNGEN 029.5655.04 IN DAS PROFIL

6 SCHUIF VERSTERKINGSSTUKKEN 062.6953.04 IN HET PROFIEL
GLISSER LES PIECES DE RENFORCEMENT DANS LE PROFIL
SLIDE THE REINFORCEMENT PIECES 062.6953.04 IN THE PROFIL
RUTSCHEN SIE DIE VERSTAERKUNGSSTUECKE IN DAS PROFIL

7 PLAATS DE EINDSTUKKEN 024.5722.SY
MONTER LES PIECES FINALES 024.5722.SY
PLACE THE END PIECES 024.5722.SY
MONTIEREN SIE DIE ENDSTUECKEN 024.5722.SY

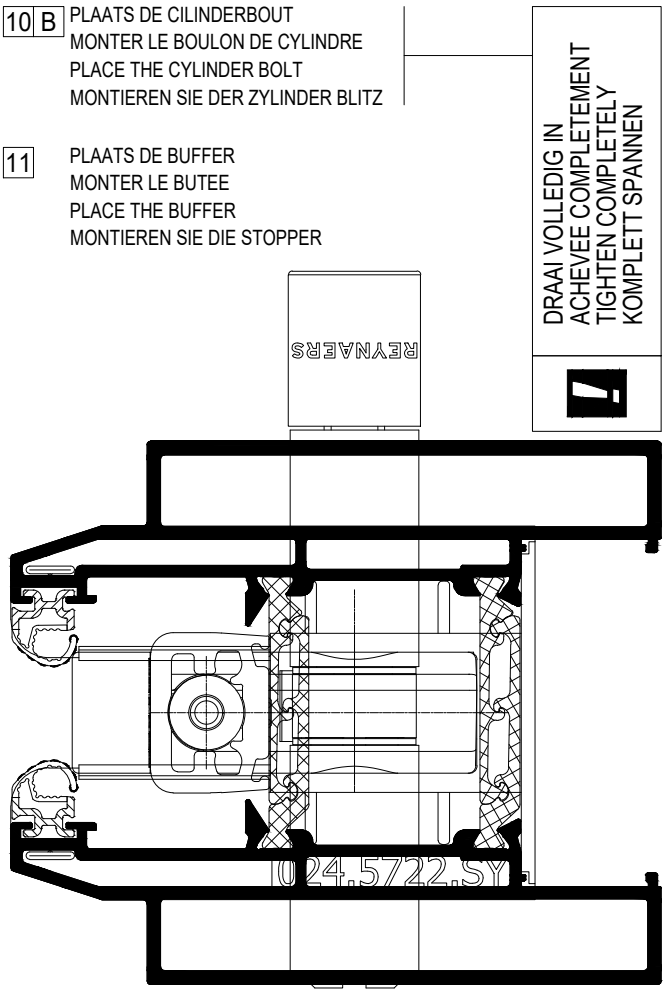
8 SCHROEF DE VLEUGEL IN ELKAAR
VISSER LE OUVRANTS ENSEMBLE
SCREW THE VENT TOGETHER
SCHRAUBEN SIE DIE FLUEGEL ZUSAMMEN

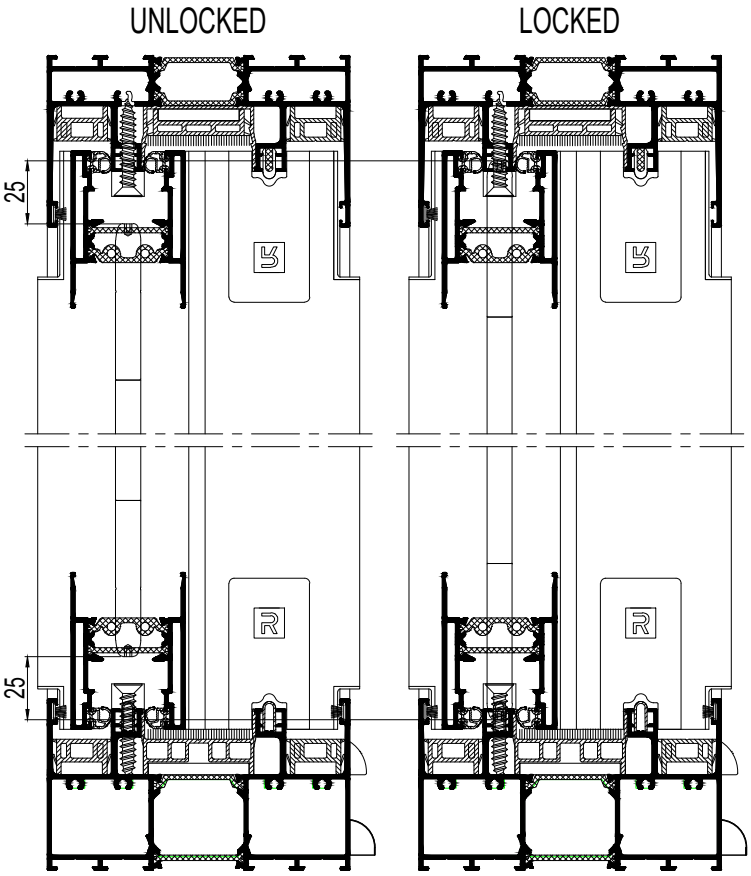
9 SCHROEF DE KUNSTSTOF STANGEN MET DE PINNEN IN HET SLOT (GEBRUIK INBUSSLEUTEL 2,5MM)
VISSER LES TIGES EN PLASTIQUE AVEC L' EPINGLER DANS LA SERRURE (UTILISE CLE ALLEN 2,5MM)
SCREW THE PLASTICS RODS WITH THE PINS IN THE LOCK (USE ALLEN KEY 2,5MM)
SCHRAUBEN SIE DIE KUNSTSTOFFSTANGEN MIT DIE STIFTEN IN DAS SCHLOSS (VERWENDEN SIE INBUS-SCHLUSSEL 2,5MM)

10 A PLAATS DE CILINDER
MONTER LE CYLINDRE
PLACE THE CYLINDER
MONTIEREN SIE DIE ZYLINDER

10 B PLAATS DE CILINDERBOUT
MONTER LE BOULON DE CYLINDRE
PLACE THE CYLINDER BOLT
MONTIEREN SIE DER ZYLINDER BLITZ

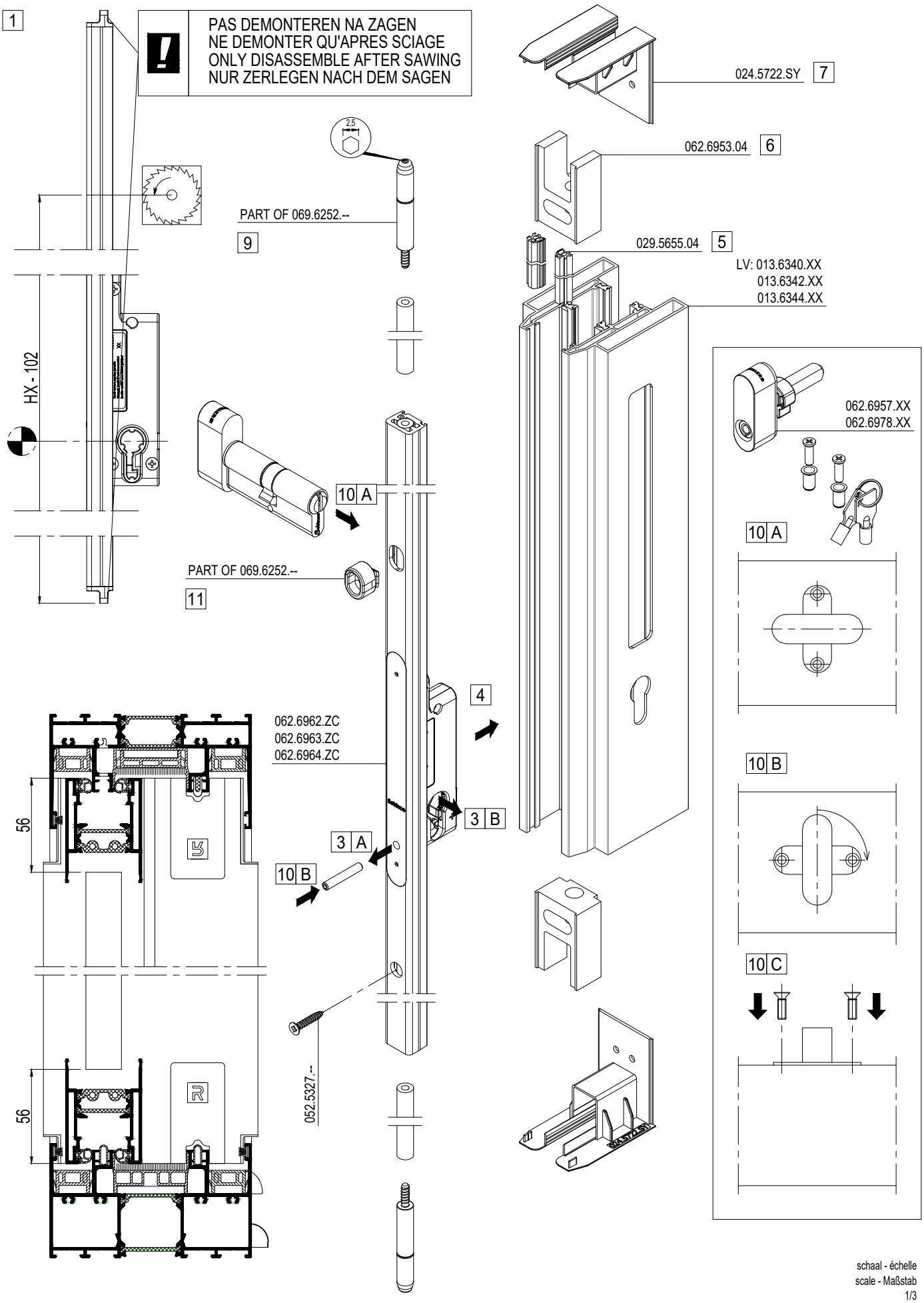
11 PLAATS DE BUFFER
MONTER LE BUTEE
PLACE THE BUFFER
MONTIEREN SIE DIE STOPPER





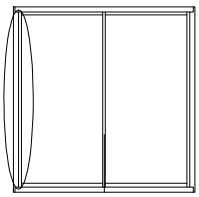
schaal - échelle
scale - Maßstab
1/1

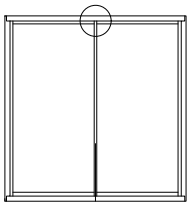
F



schaal - échelle
scale - Maßstab
1/3

F





STANDARD LOCK

		#
024.5619.SY		x
069.8405.ZC		N *
022.5378.--		x
062.7217.--		
069.8408.PA		N *
069.8403.PA		
069.8404.PA		
069.8447.--		N *
024.5642.04		x
062.7142.04		x

SHOOTBOLT LOCK MEETING SECTION

		#
024.5619.SY		x
024.5661.SY		N *
062.7199.--		N *
061.6050.00		N *
061.7024.XX		N *
061.7059.XX		
xxx.xxxx.xx		x
024.5642.04		x + N * x 2
xxx.xxxx.xx		x

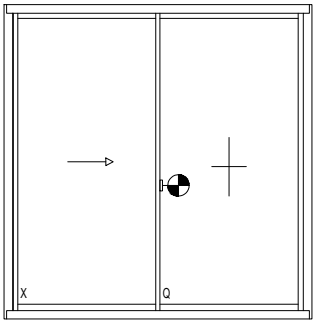
* N = AANTAL SLOTEN
* N = NOMBRE DE SERRURE
* N = NUMBER OF LOCKS
* N = ANZAHL DER HAKENSCHLOSSEN

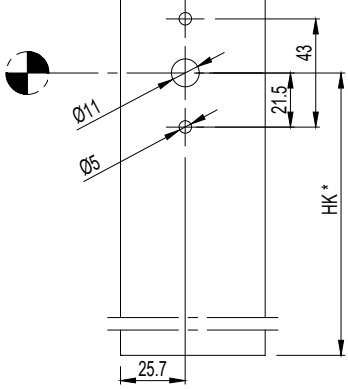
F

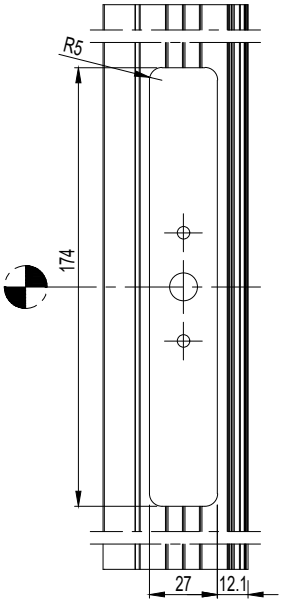
schaal - échelle
scale - Maßstab
1/3

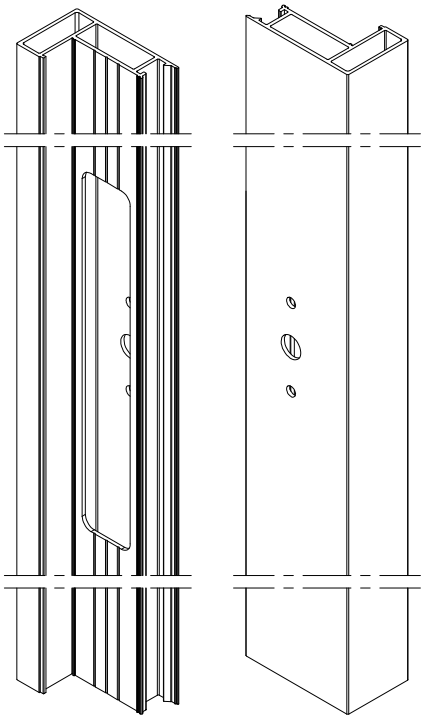
* H > 2200mm:

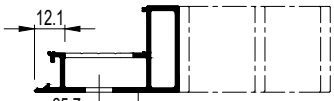
KNOPHOOGTE HK HAUTEUR DE BOUTON HK HEIGHT OF KNOB HK KNOPFHOEHE HK	1050 mm









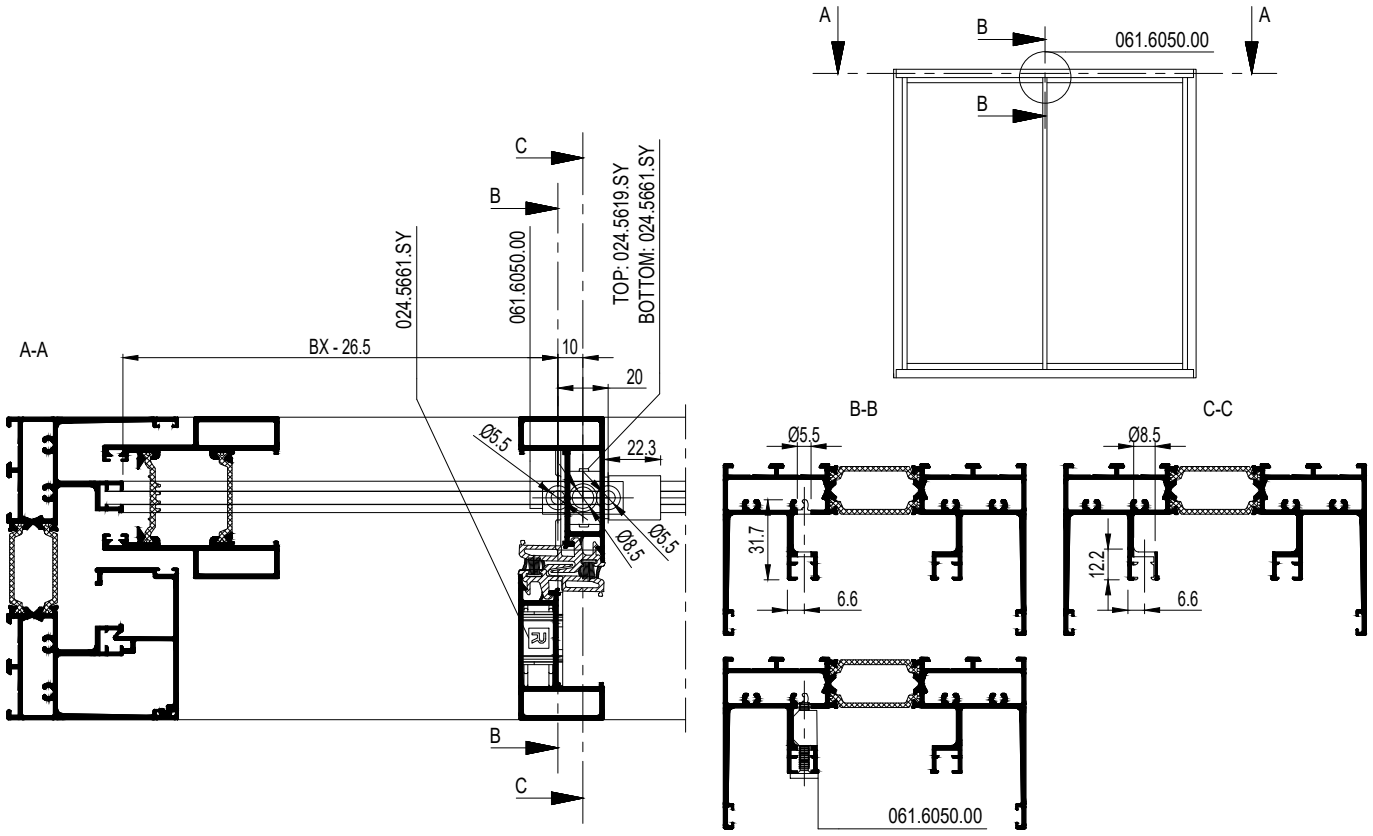


SV: 013.5306.XX	LV: 013.5309.XX
013.6302.XX	013.6307.XX
013.6303.XX	013.6308.XX
013.6304.XX	013.6309.XX

F

schaal - échelle
scale - Maßstab
1/3

UITFREZING VOOR WISSELPROFIEL SLOT
FRAISAGE POUR SERRURES VARIANTE
MILLING FOR MEETING SECTION LOCK
AUSFRAESUNG FUER WECHSELPROFIL SCHLOESSER



1 PLAATS DE TANDWIELDOOS MET DE BEWEGENDE DELEN IN 1 VAN DE 2 EINDPOSITIES MET DE INDICATIE "TOP" NAAR BOVEN IN HET PROFIEL
PLACER LA BOITE AVEC DES ENGRENAGES AVEC LES PIECES MOBILES DANS L'UNE DES 2 POSITIONS FINALES AVEC L'INDICATION "TOP" EN HAUT DANS LE PROFILE
PLACE GEARBOX WITH THE MOVING PARTS IN 1 OF THE 2 END POSITIONS WITH THE INDICATION "TOP" TO THE TOP OF THE PROFIL
PLATZIEREN SIE DAS GETRIEBE MIT DIE BEWEGLICHEN TEILE IN 1 DER 2 ENDLAGEN MIT DER ANZEIGE "TOP" NACH OBEN IN DIE PROFILE

2 A PLAATS KNOP EVENWIJDIG MET HET PROFIEL MET DE BASISPLAAT VAN DE KNOP 90° VERDRAAID
PLACER BOUTON PARALLEL AVEC LE PROFILE AVEC LA PLAQUE DE BASE DE BOUTON TORDU 90°
PLACE KNOB PARALLEL WITH THE PROFIL WITH THE BASE PLATE OF THE KNOB TURNED 90°---
PLATZIEREN SIE DIE KNOPF PARALLEL MIT DIE PROFILE MIT GRUNDPLATTE KNOPF 90° GEDREHT

2 B DRAAI KNOP EN BASISPLAAT KNOP 90°
TOURNER LE BOUTON ET LA PLAQUE DE BASE 90°
TURN KNOB AND BASE PLATE 90°
DREHEN SIE DIE KNOPF UND GRUNDPLATTE 90°

2 C BEVESTIG DE KNOP MET DE BOUTJES
MONTER LE BOUTON AVEC LES BOULONS
MOUNT THE KNOB WITH THE BOLTS
MONTIEREN SIE DIE KNOPF MIT DIE BOLZEN

3 PLAATS HET EINDSTUK 024.5661.SY EN MONTEER DE VLEUGEL
PLACER LA PIECE FINAL 024.5661.SY ET MONTER LE OUVRANTS
PLACE THE ENDPIECE 024.5661.SY AND ASSEMBLE THE VENT
MONTIEREN SIE ENDSTUECK 024.5661.SY UND MONTIEREN SIE DIE FLUEGEL

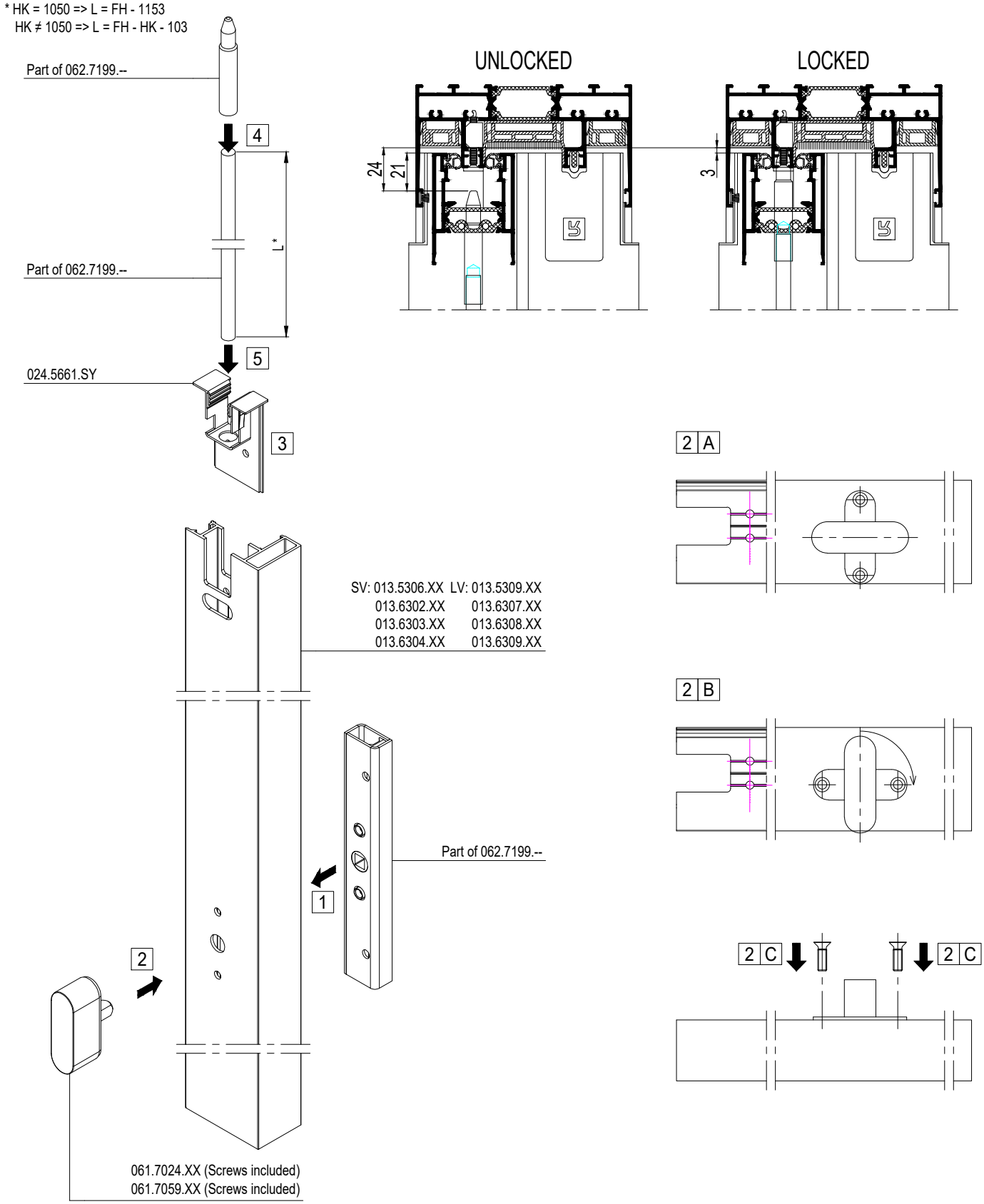
4 BEVESTIG DE PIN OP DE DRAADSTANG
MONTER L' EPINGLE SUR LA TIGE FILETEE
PLACE THE PIN ON THE ROD
MONTIEREN SIE DIE STIFT AUF DIE GEWINDESTANGE

5 BEVESTIG DE DRAADSTANG IN DE TANDWIELDOOS
MONTER LA TIGE FILETEE DANS LA BOITE AVEC DES ENGRENAGES
PLACE THE ROD IN THE GEABOX
MONTIEREN SIE DIE GEWINDESTANGE IN DAS GETRIEBE

schaal - échelle
scale - Maßstab
1/3

F

* HK = 1050 => L = FH - 1153
HK ≠ 1050 => L = FH - HK - 103



MONTAGEVOLGORDE L 'ORDRE DE MONTAGE THE ORDER OF ASSEMBLY MONTAGEREIHENFOLGE	A	B	C	.

MONTAGEVOLGORDE L 'ORDRE DE MONTAGE THE ORDER OF ASSEMBLY MONTAGEREIHENFOLGE	1	2	3	.

schaal - échelle
scale - Maßstab
1/3

F

1 PLAATS DE BEGLAZINGSRUBBER ROND HET GLAS
MONTER LE JOINT DE VITRAGE AUTOUR DE VITRAGE
PLACE THE GLAZING GASKET AROUND THE GLASS
MONTIEREN SIE DIE GLASUNGSDICHTUNG UM DAS GLAS

2 PLAATS DE GLASSTEUNEN
MONTER LES SUPPORTS CALE DE VITRAGE
PLACE THE GLAZING SUPPORTS
MONTIEREN SIE DIE KLOTZBRUCKEN

3 PLAATS BORSTEL 081.9098.07/081.9120.SY IN HET WISSELPROFIEL
MONTER BROSSE 081.9098.07/081.9120.SY DANS LE CHICANE
PLACE BRUSH 081.9098.07/081.9120.SY IN THE MEETING SECTION
MONTIEREN SIE BURSTE 081.9098.07/081.9120.SY IM DIE WECHSELPROFIEL

4 PLAATS EINDSTUKKEN 024.5619.SY/024.5620.SY/069.5663.SY IN HET WISSELPROFIEL
MONTER PIECES FINALES 024.5619.SY/024.5620.SY/069.5663.SY DANS LE CHICANE
PLACE END PIECES 024.5619.SY/024.5620.SY/069.5663.SY IN THE MEETING SECTION
MONTIEREN SIE ENDKAPPEN 024.5619.SY/024.5620.SY/069.5663.SY IM DIE WECHSELPROFIL

5 PLAATS DICHTING/BORSTEL IN VERTICAAL PROFIEL
MONTER JOINT/BROSSE DANS PROFILE VERTICAL
PLACE GASKET/BRUSH IN VERTICAL PROFILE
MONTIEREN SIE DICHTUNG/BURSTE IN VERTIKAL PROFILE

6 PLAATS HET SLOT IN HET VERTICALE PROFIEL
MONTER COULISSEAU DANS LE PROFILE VERTICAL
PLACE THE LOCK IN THE VERTICAL PROFILE
MONTIEREN SIE DAS SCHLOSS IN VERTIKAL PROFILE

7 PLAATS EINDSTUKKEN 024.5621.SY/024.5622.SY/069.5663.SY IN VERTICAAL PROFIEL
MONTER PIECES FINALES 024.5621.SY/024.5622.SY/069.5663.SY DANS PROFILE VERTICAL
PLACE END PIECES 024.5621.SY/024.5622.SY/069.5663.SY IN VERTICAL PROFILE
MONTIEREN SIE ENDKAPPEN 024.5621.SY/024.5622.SY/069.5663.SY IN VERTIKAL PROFILE

8 PLAATS WIELEN/STEUNBLOKKEN OP ONDERSTE HORIZONTAAL PROFIEL
MONTER ROULETTE/SUPPORT MOTEUR SUR PROFILE HORIZONTALE BAS
PLACE ROLLERS/SUPPORTING BLOCK ON THE LOWER HORIZONTAL PROFILE
MONTIEREN SIE LAUFRAD/STUTZBLOCK AUF UNTEN HORIZONTALE PROFILE

9 PLAATS DICHTING/BORSTEL IN DE HORIZONTALE PROFIELEN
MONTER JOINT/BROSSE DANS LES PROFILES HORIZONTALE
PLACE GASKET/BRUSH IN HORIZONTAL PROFILE
MONTIEREN SIE DICHTUNG/BURSTE IN HORIZONTAL PROFILE

10 PLAATS DE PROFIELEN ROND HET GLAS EN SCHROEF DEZE SAMEN
MONTER LES PROFILES AUTOUR DE VITRAGE ET VISSER ENSEMBLE
PLACE THE PROFILES AROUND THE GLASS AND SCREW THEM TOGETHER
MONTIEREN SIE DIE PROFILE UM DAS GLAS UND SCHRAUBEN SIE ZUSAMMEN

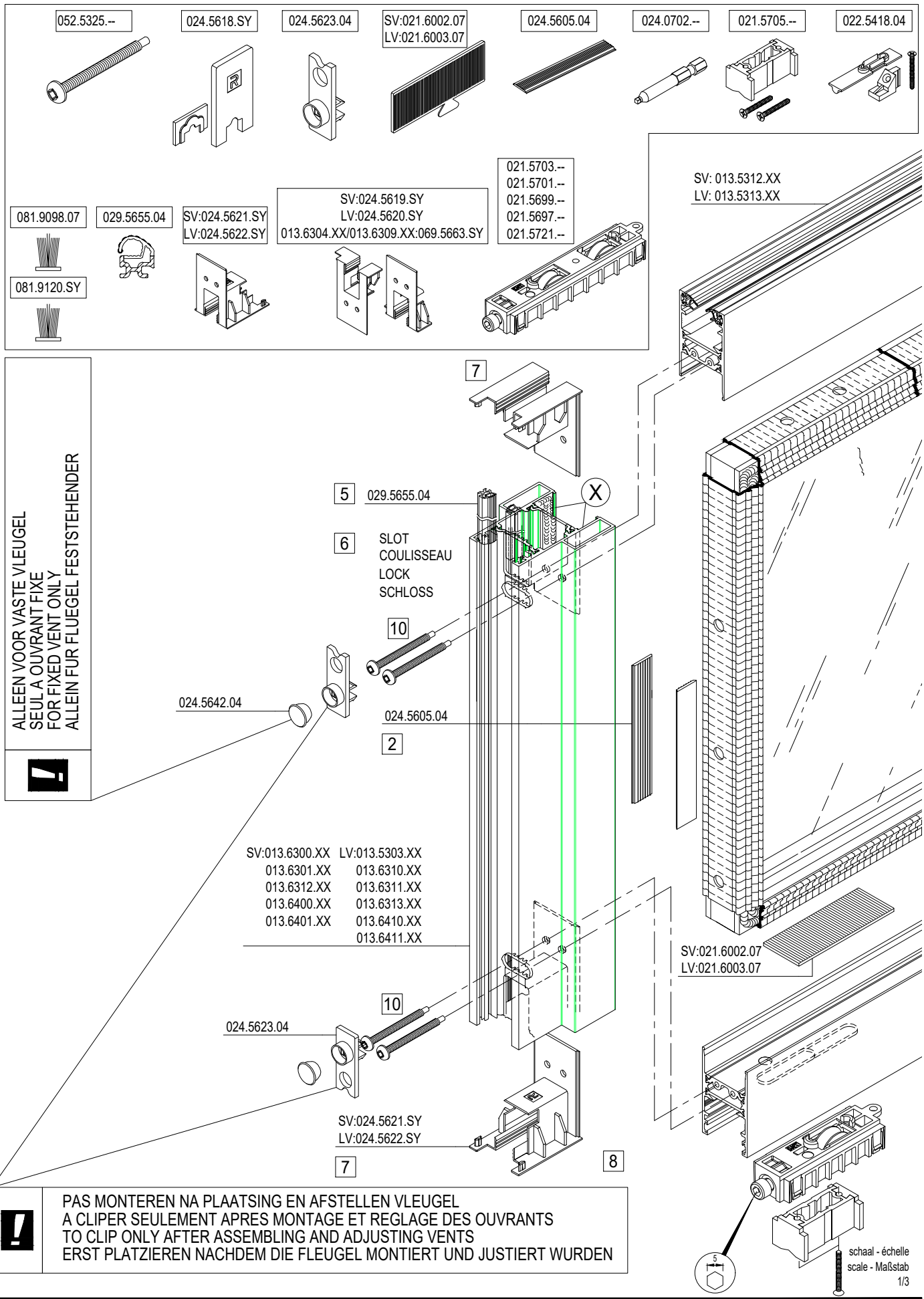
11 PLAATS 022.5418.04 OP DE VASTE VLEUGEL
MONTER 022.5418.04 DANS LE OUVRANT FIXE
PLACE 022.5418.04 ON THE FIXED VENT
MONTIEREN SIE 022.5418.04 AUF DEN FENSTER FLEUGEL

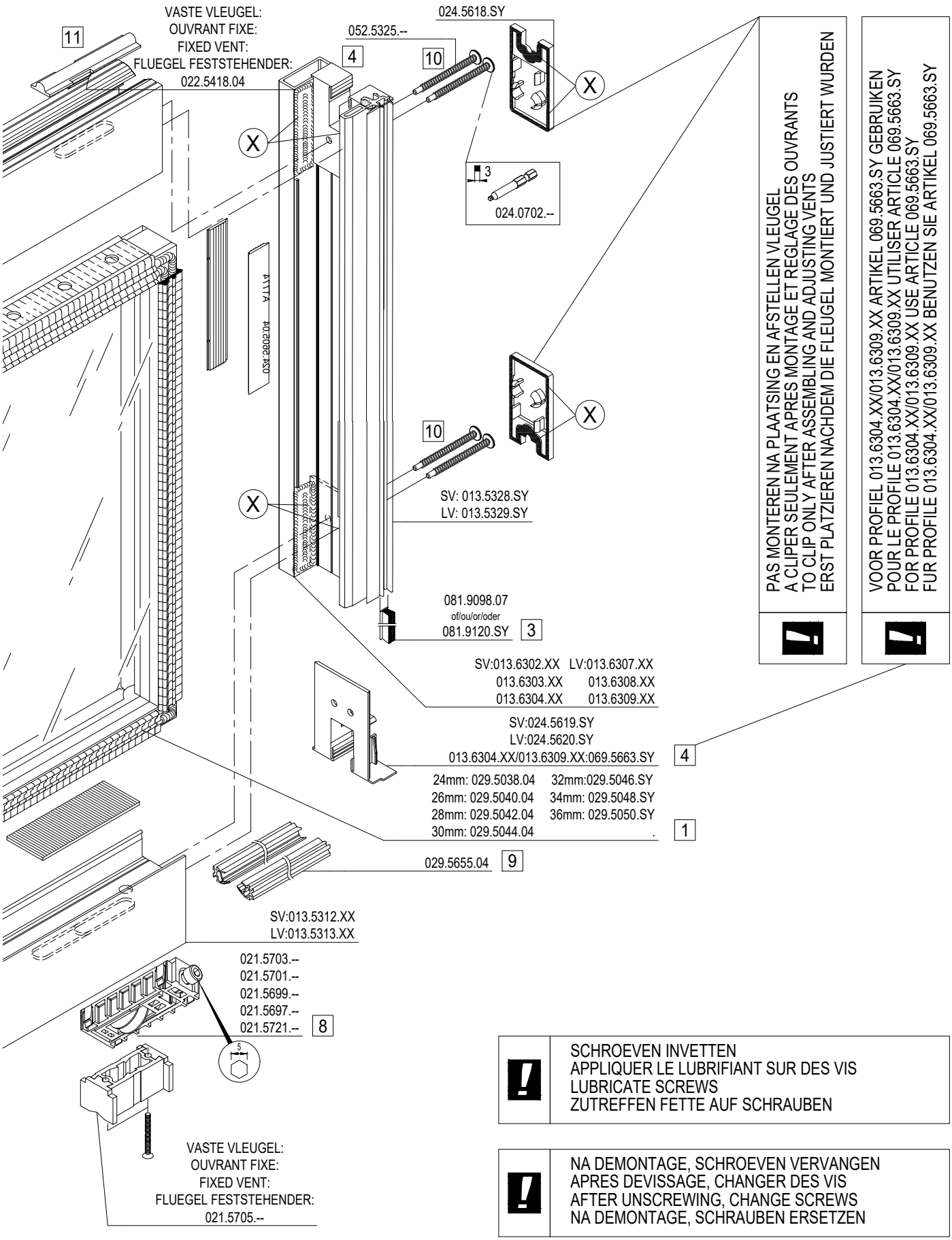
F

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

schaal - échelle
scale - Maßstab
1/1

schaal - échelle
scale - Maßstab
1/1


052.5325.--
024.5618.SY
024.5623.04
SV:021.6002.07
LV:021.6003.07
024.5605.04
024.0702.--
021.5705.--
022.5418.04
081.9098.07
081.9120.SY
029.5655.04
SV:024.5621.SY
LV:024.5622.SY
SV:024.5619.SY
LV:024.5620.SY
013.6304.XX/013.6309.XX:069.5663.SY
021.5703.--
021.5701.--
021.5699.--
021.5697.--
021.5721.--
SV: 013.5312.XX
LV: 013.5313.XX
ALLEEN VOOR VASTE VLEUGEL
SEUL A OUVRANT FIXE
FOR FIXED VENT ONLY
ALLEIN FUR FLUEGEL FESTSTEHENDER
7
5
029.5655.04
6
SLOT
COULISSEAU
LOCK
SCHLOSS
X
10
024.5642.04
024.5605.04
2
SV:013.6300.XX LV:013.5303.XX
013.6301.XX 013.6310.XX
013.6312.XX 013.6311.XX
013.6400.XX 013.6313.XX
013.6401.XX 013.6410.XX
013.6411.XX
SV:021.6002.07
LV:021.6003.07
10
024.5623.04
SV:024.5621.SY
LV:024.5622.SY
7
8
PAS MONTEREN NA PLAATSING EN AFSTELLEN VLEUGEL
A CLIPER SEULEMENT APRES MONTAGE ET REGLAGE DES OUVRANTS
TO CLIP ONLY AFTER ASSEMBLING AND ADJUSTING VENTS
ERST PLATZIEREN NACHDEM DIE FLEUGEL MONTIERT UND JUSTIERT WURDEN
5
schaal - échelle
scale - Maßstab
1/3



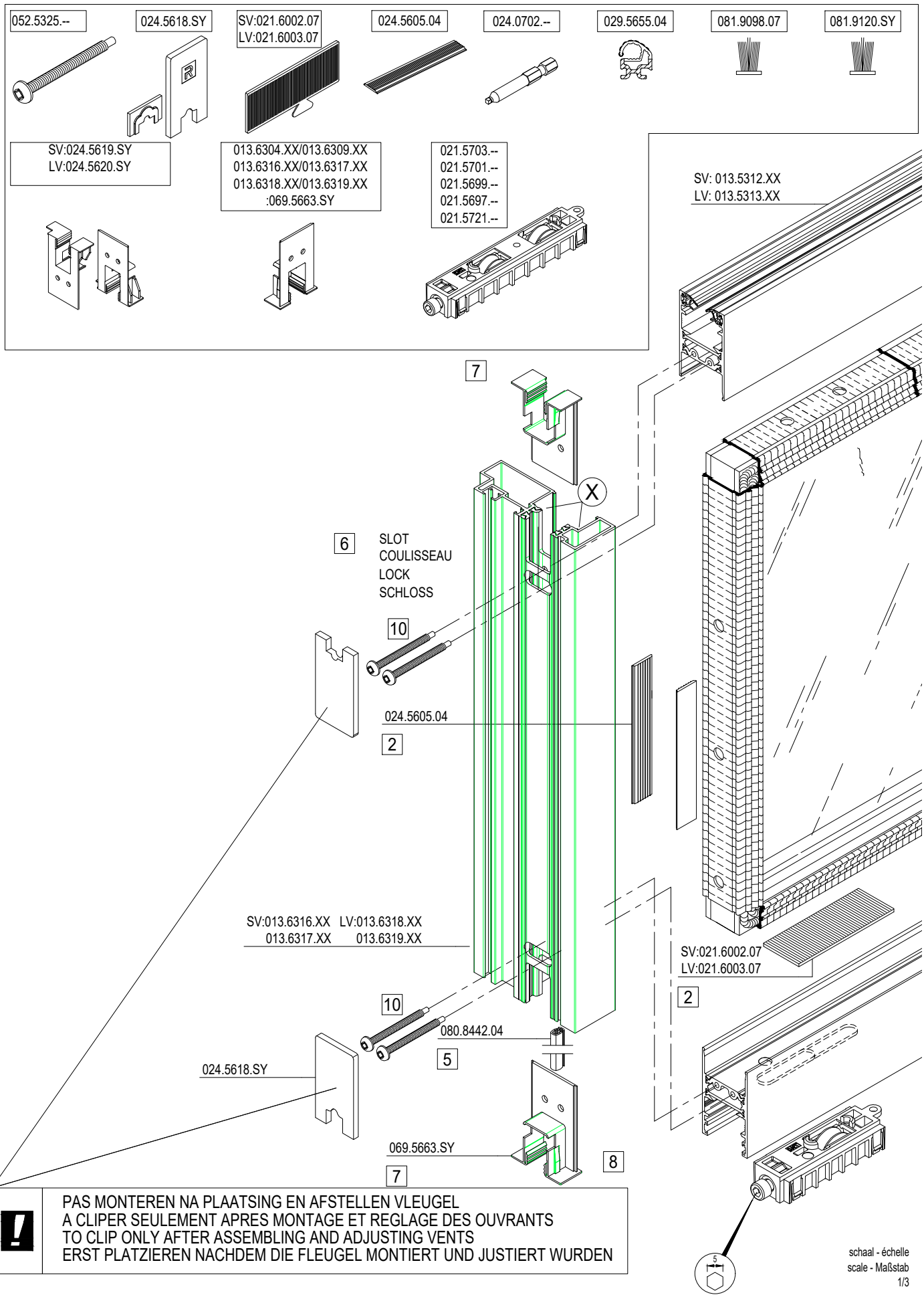
SCHROEVEN INVETTEN
APPLIQUER LE LUBRIFIANT SUR DES VIS
LUBRICATE SCREWS
ZUTREFFEN FETTE AUF SCHRAUBEN

NA DEMONTAGE, SCHROEVEN VERVANGEN
APRES DEVISSAGE, CHANGER DES VIS
AFTER UNSCREWING, CHANGE SCREWS
NA DEMONTAGE, SCHRAUBEN ERSETZEN

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

schaal - échelle
scale - Maßstab
1/3

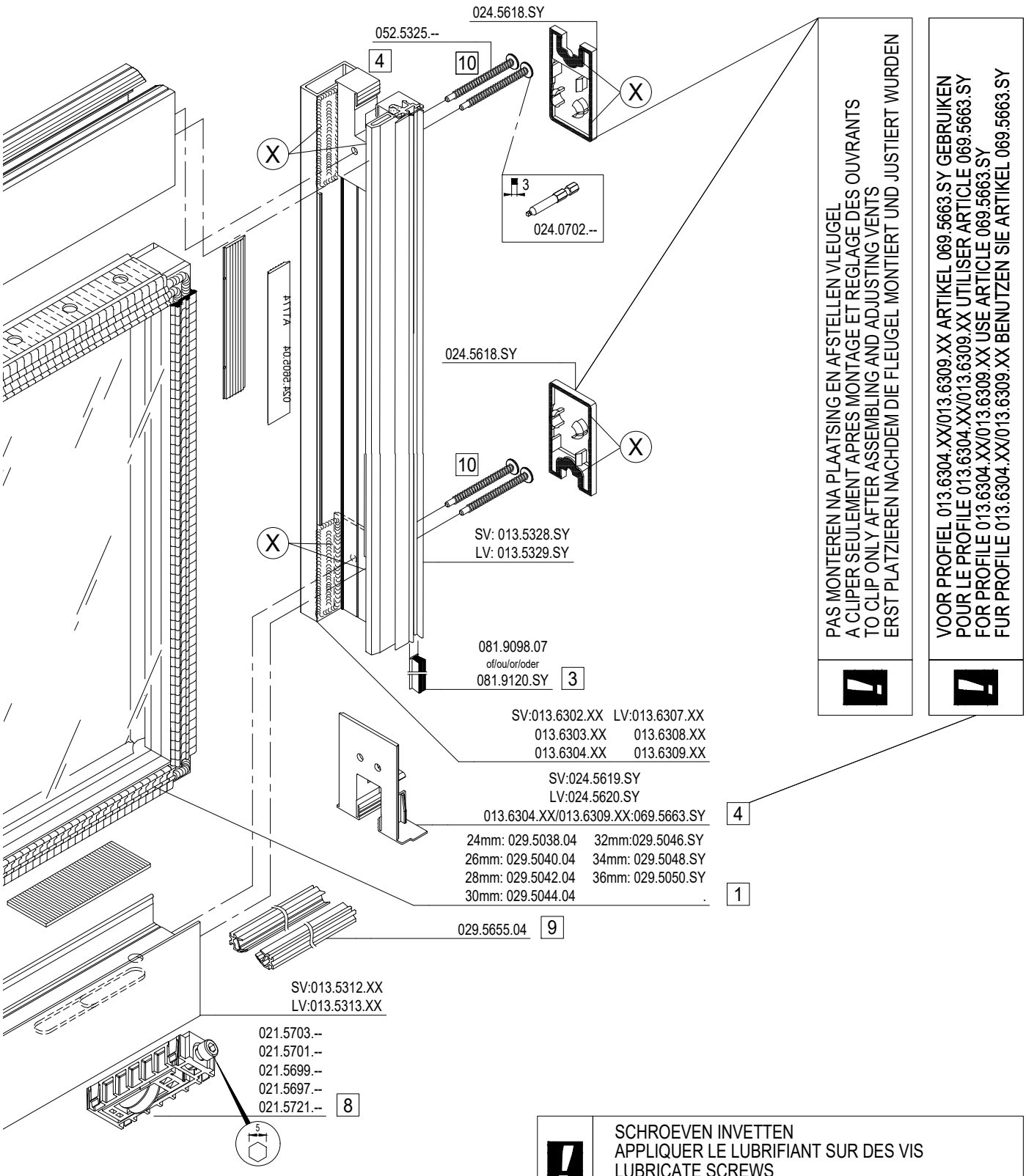
F



PAS MONTEREN NA PLAATSING EN AFSTELLEN VLEUGEL
A CLIPER SEULEMENT APRES MONTAGE ET REGLAGE DES OUVRANTS
TO CLIP ONLY AFTER ASSEMBLING AND ADJUSTING VENTS
ERST PLATZIEREN NACHDEM DIE FLEUGEL MONTIERT UND JUSTIERT WURDEN

schaal - échelle
scale - Maßstab
1/3

F



PAS MONTEREN NA PLAATSING EN AFSTELLEN VLEUGEL
A CLIPER SEULEMENT APRES MONTAGE ET REGLAGE DES OUVRANTS
TO CLIP ONLY AFTER ASSEMBLING AND ADJUSTING VENTS
ERST PLATZIEREN NACHDEM DIE FLEUGEL MONTIERT UND JUSTIERT WURDEN

VOOR PROFIEL 013.6304.XX/013.6309.XX ARTIKEL 069.5663.SY GEBRUIKEN
POUR LE PROFILE 013.6304.XX/013.6309.XX UTILISER ARTICLE 069.5663.SY
FOR PROFILE 013.6304.XX/013.6309.XX USE ARTICLE 069.5663.SY
FUR PROFILE 013.6304.XX/013.6309.XX BENUTZEN SIE ARTIKEL 069.5663.SY

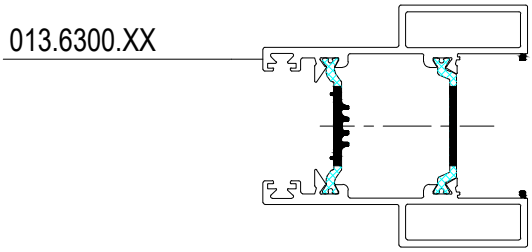
SCHROEVEN INVETTEN
APPLIQUER LE LUBRIFIANT SUR DES VIS
LUBRICATE SCREWS
ZUTREFFEN FETTE AUF SCHRAUBEN

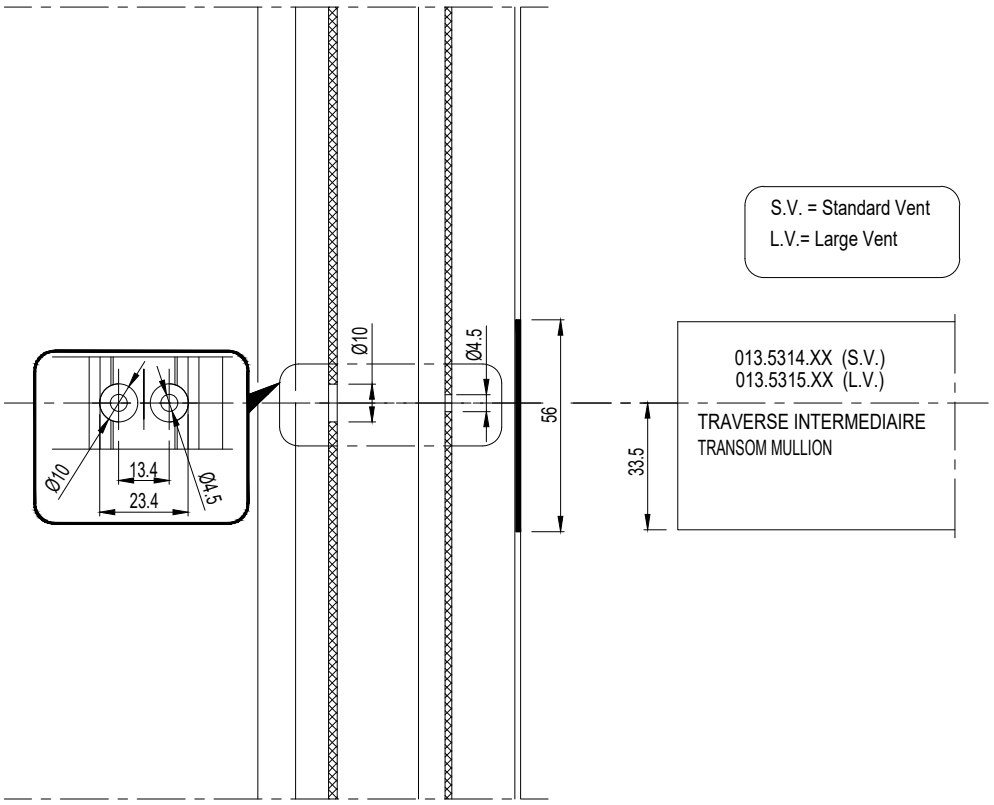
NA DEMONTAGE, SCHROEVEN VERVANGEN
APRES DEVISSAGE, CHANGER DES VIS
AFTER UNSCREWING, CHANGE SCREWS
NA DEMONTAGE, SCHRAUBEN ERSETZEN

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

schaal - échelle
scale - Maßstab
1/3

F

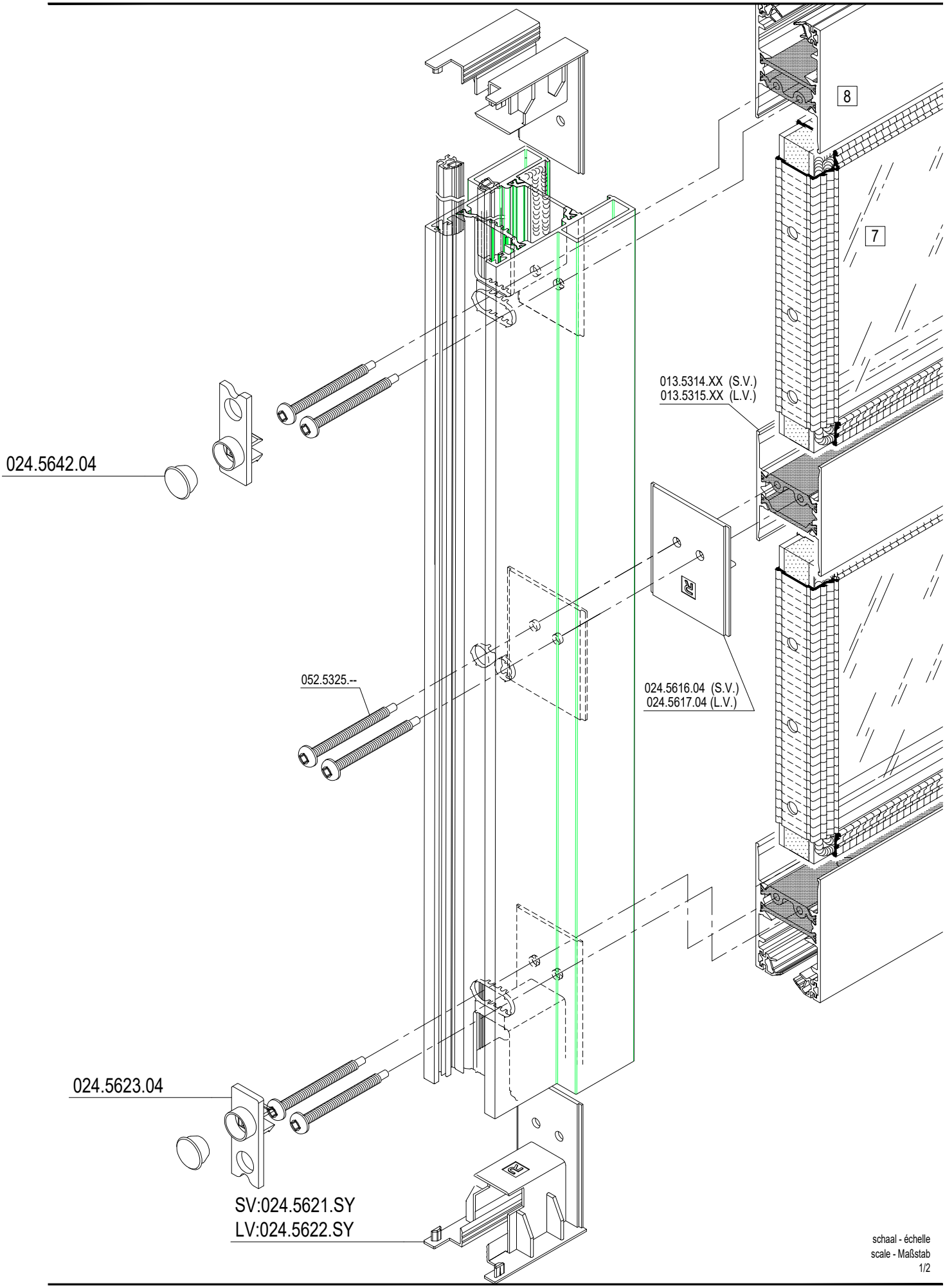




			#	Lm
013.5314.XX			1	B1-92
			1	B2-92
013.5314.XX			1	B1-126 (*)
			1	B2-126 (*)

(*)Cutting size, when following vent profiles are used:
013.6340.XX / 013.6342.XX / 013.6344.XX

F



schaal - échelle
scale - Maßstab
1/2

F

SlimPatio 68

PLAATSING VLEUGELS
PLACEMENT DES OUVRANTS
PLACEMENT OF VENTS
PLATZIERUNG FLUEGELS

Reynaers Aluminium

1 PLAATS VERTICALE AFDEKPROFIELEN 013.6306.XX MET BORSTELS 081.9130.SY (SV) / 081.9115.SY (LV)
MONTER PROFILE DES COUVRIR VERTICAL 013.6306.XX AVEC BROSSE 081.9130.SY (SV) / 081.9115.SY (LV)
PLACE VERTICAL COVER PROFILES 013.6306.XX WITH BRUSH 081.9130.SY (SV) / 081.9115.SY (LV)
MONTIEREN SIE VERTIKAL ABDECKPROFILE 013.6306.XX MIT BURSTE 081.9130.SY (SV) / 081.9115.SY (LV)

2 PLAATS EINDSTUK 069.5672.SY OP HET VERTICALE AFDEKPROFIEL VAN DE X-ZIJDE
MONTER PIECE FINAL 069.5672.SY SUR LE PROFILE DES COUVRIR VERTICAL DE COTE X
PLACE END PIECE 069.5672.SY ON THE VERTICAL COVER PROFILE OF THE X-SIDE
MONTIEREN SIE ENDSTUECK 069.5672.SY AUF VERTIKAL ABDECKPROFILE AUF X-SEITE

3 PLAATS DE VLEUGELS
MONTER DES OUVRANTS
PLACE THE VENTS
MONTIEREN SIE DIE FLUEGELS

4 PLAATS 1STE STUK VAN TPE 013.5385.SY BOVENAAN FRAME
MONTER 1ER PIECE DE TPE 013.5385.SY EN HAUT DORMANT
PLACE 1STE PIECE OF TPE 013.5385.SY IN TOP OF FRAME
MONTIEREN SIE 1ST STUCK VAN TPE 013.5385.SY OBEN AUF BLENDRAHMEN

5 KLIK BORSTEL 022.560604 BOVENAAN IN HET FRAME EN SCHUIF OP ZIJN PLAATS
CLIP BROSSE 022.5606.04 EN HAUT DANS LE DORMANT ET GLISSER EN PLACE
CLIP BRUSH 022.5606.04 IN TOP FRAME AND SLIDE IN PLACE
CLIP BURSTE 022.5606.04 IN OBEN AUF BLENDRAHMEN UND GLEITEN ES IN STELLUNG

6 PLAATS 2DE STUK VAN TPE 013.5385.SY BOVENAAN FRAME
MONTER 2E PIECE DE TPE 013.5385.SY EN HAUT DORMANT
PLACE 2ND PIECE OF TPE 013.5385.SY IN TOP OF FRAME
MONTIEREN SIE 2. STUCK VAN TPE 013.5385.SY OBEN AUF BLENDRAHMEN

7 PLAATS BOVENSTE TPE AFWERKINGSPROFIEL 013.6835.SY IN 2 DELEN
MONTER PROFILE DE FINITION TPE 013.6835.SY EN TOP EN 2 PARTIE
PLACE TOP TPE FINISHING PROFILE 013.6835.SY IN 2 PIECES
MONTIEREN SIE OBEN TPE AUSFUEHRUNGSPROFIL 013.6835.SY IN 2 TEILEN

8 PLAATS ZIJDELINGS TPE AFWERKINGSPROFIEL 013.6835.SY
MONTER PROFILE DE FINITION TPE 013.6835.SY SUR LE COTE
PLACE SIDE TPE FINISHING PROFILE 013.6835.SY
MONTIEREN SIE SEITWARTS TPE AUSFUEHRUNGSPROFIL 013.6835.SY

9 PLAATS STOP 024.5623.04 EN 024.5642.04 ONDERAAN EN BOVENAAN OP Q-VLEUGEL EN SCHUIF VLEUGEL OP ZIJN PLAATS
MONTER BOUCHE-TROU 024.5623.04 ET 024.5642.04 EN DESSOUS ET EN HAUTE SUR OUVRANTS Q ET GLISSER OUVRANTS EN PLACE
PLACE PLUG 024.5623.04 AND 024.5642.04 ON THE BOTTOM AND ON TOP ON THE Q VENT AND SLIDE VENT IN PLACE
MONTIEREN SIE VERSCHLUSSKAPPE 024.5623.04 UND 024.5642.04 UNTEN UND OBEN AUF Q-LUEGEL UND GLEITEN FLUEGEL IN STELLUNG

10 PLAATS BUFFER 022.5418.04 IN RAIL DETAIL MET SILICONE
MONTER BUTEE 022.5418.04 DANS LE DETAIL DE RAIL AVEC SILICONE
PLACE BUFFER 022.5418.04 IN RAIL DETAIL WITH SILICONE
MONTIEREN SIE STOPPER 022.5418.04 IN RAIL DETAIL MIT SILICONEN

11 BEVESTIG BUFFER 022.5418.04 IN KADER MET SCHROEF
ATTACHER BUTEE 022.5418.04 DANS LE CADRE
FIX BUFFER 022.5418.04 IN FRAME WITH SCREW
BESTATIGEN SIE STOPPER 022.5418.04 IN BLENDRAHMEN

11 b OPTIONEEL: BEVESTIG 062.8125.00 (IN GEVAL VAN LOW THRESHOLD, ALLEEN BOVENAAN)
OPTIONEL: ATTACHER 062.8125.00 (EN CAS DE LOW THRESHOLD, SEULEMENT EN HAUTE)
OPTIONAL: FIX 062.8125.00 (IN CASE OF LOW THRESHOLD, ONLY ON TOP)
OPTIONAL: BESTATIGEN 062.8125.00 (IM FALLE VON LOW THRESHOLD, NUR OBEN)

12 PLAATS EINDSTUK 024.5618.SY BOVENAAN EN ONDERAAN OP VLEUGEL
MONTER PIECE FINAL 024.5618.SY EN HAUTE ET EN DESSOUS SUR OUVRANTS
PLACE END PIECE 024.5618.SY ON TOP AND ON THE BOTTOM ON VENT
MONTIEREN SIE ENDSTUECK 024.5618.SY OBEN UND UNTEN AUF FLUEGEL

13 PLAATS HORIZONTALE AFDEKKAP 013.6305.XX MET BORSTELS 081.9130.SY (SV) / 081.9115.SY (LV) ONDERAAN FRAME
MONTER CAPUCHONS HORIZONTALE 013.6305.XX AVEC BROSSE 081.9130.SY (SV) / 081.9115.SY (LV) EN DESSOUS DORMANT
PLACE HORIZONTAL COVER CAP 013.6305.XX WITH BRUSH 081.9130.SY (SV) / 081.9115.SY (LV) ON THE BOTTOM OF FRAME
MONTIEREN SIE HORIZONTAL ABDECKKAP 013.6305.XX MIT BURSTE 081.9130.SY (SV) / 081.9115.SY (LV) UNTEN AUF BLENDRAHMEN

14 PLAATS HORIZONTALE AFDEKKAP 013.6306.XX MET BORSTEL 081.9130.SY (SV) / 081.9115.SY (LV) BOVENAAN FRAME
MONTER CAPUCHONS HORIZONTALE 013.6306.XX AVEC BROSSE 081.9130.SY (SV) / 081.9115.SY (LV) EN HAUT DORMANT
PLACE HORIZONTAL COVER CAP 013.6306.XX WITH BRUSH 081.9130.SY (SV) / 081.9115.SY (LV) IN TOP OF FRAME
MONTIEREN SIE HORIZONTAL ABDECKKAP 013.6306.XX MIT BURSTE 081.9130.SY (SV) / 081.9115.SY (LV) OBEN AUF BLENDRAHMEN

15 PLAATS STOP 024.5623.04 EN 024.5618.SY OP X-VLEUGEL
MONTER BOUCHE-TROU 024.5623.04 ET 024.5618.SY SUR VANTAIL X
PLACE PLUG 024.5623.04 AND 024.5618.SY ON X VENT
MONTIEREN SIE VERSCHLUSSKAPPE 024.5623.04 UND 024.5618.SY AUF DEN X-FLUEGEL

16 PLAATS DE SLOTPADEN
MONTER DES GACHES
PLACE THE RECEIVERS
MONTIEREN SIE DIE SCHLIESSBLECHE

F

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

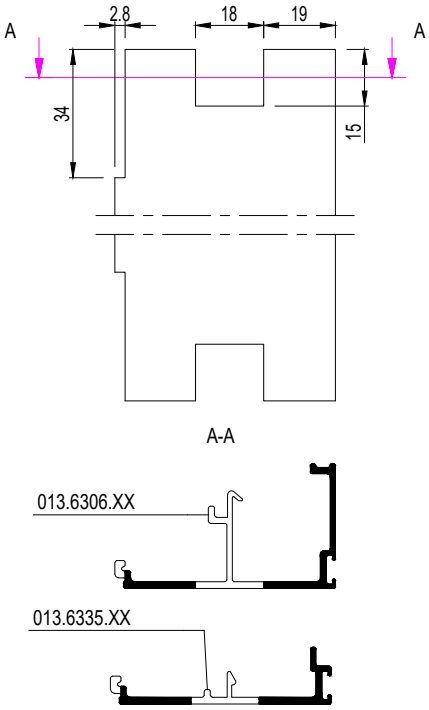
schaal - échelle
scale - Maßstab
1/1

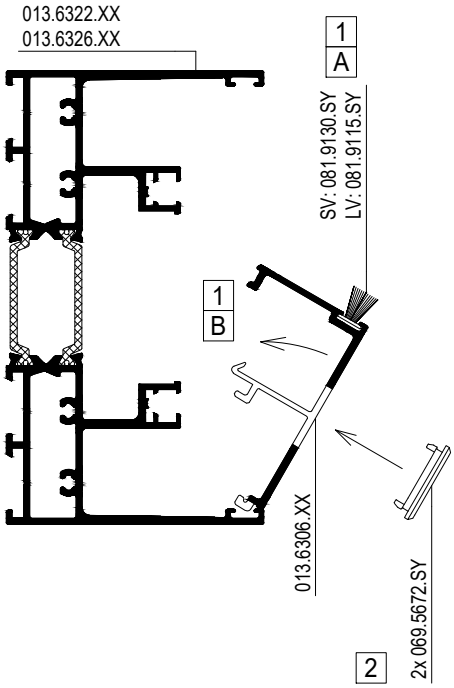
GEBRUIK 069.5672.SY ALLEEN BIJ X-ZIJDE
UTILISER 069.5672.SY SEULEMENT SUR DE COTE X
USE 069.5672.SY ONLY ON X SIDE
VERWENDEN SIE 069.5672.SY NUR AUF X-SEITE

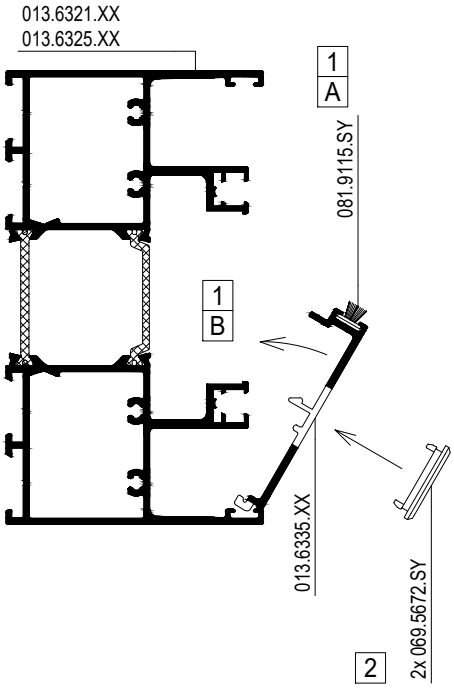
SV/LV

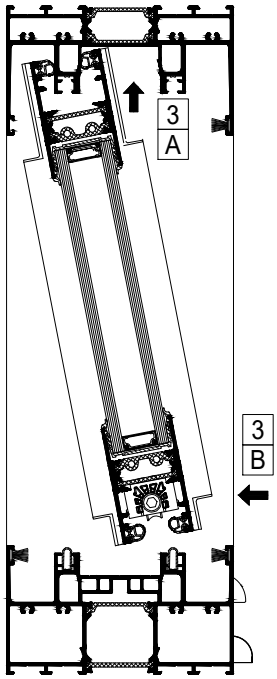
197.D900.00 | 013.6306.XX

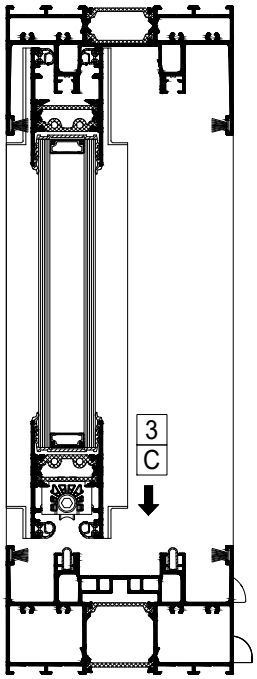
013.6335.XX CNC

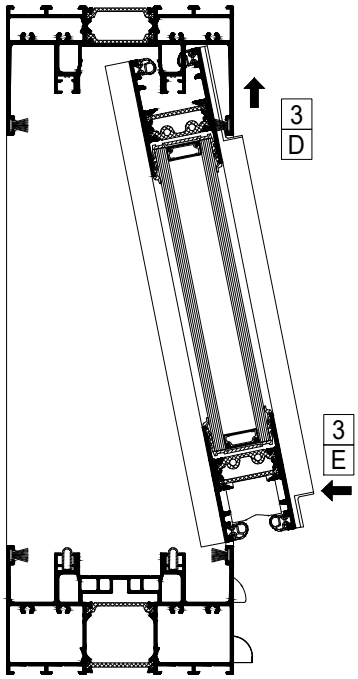


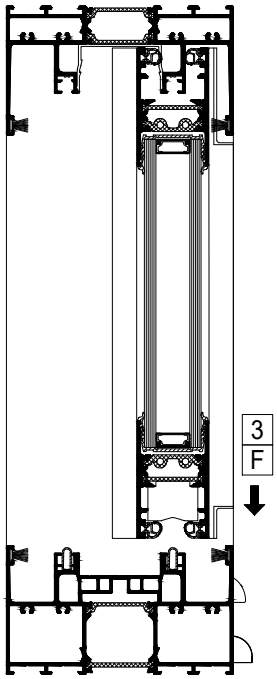










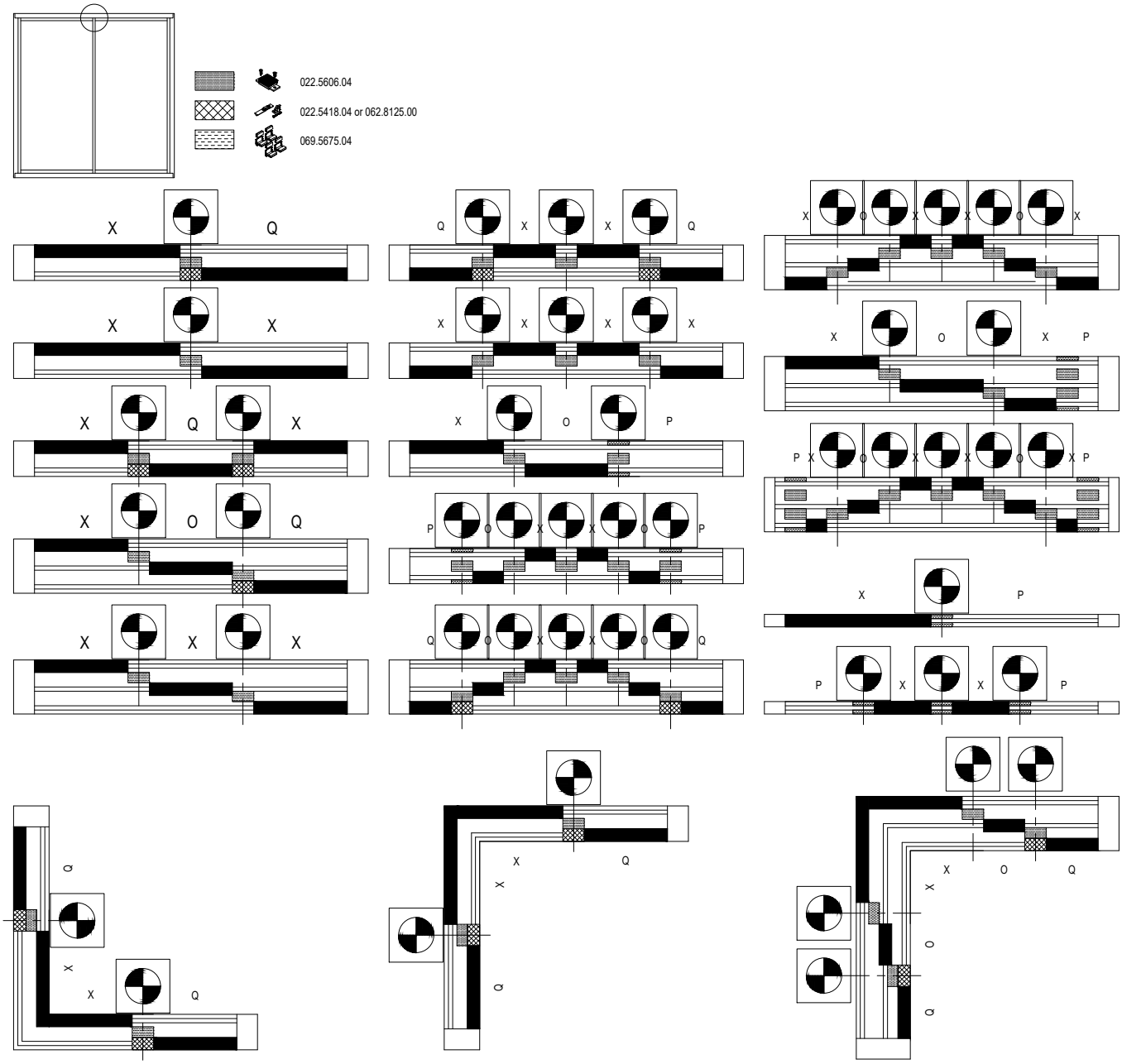


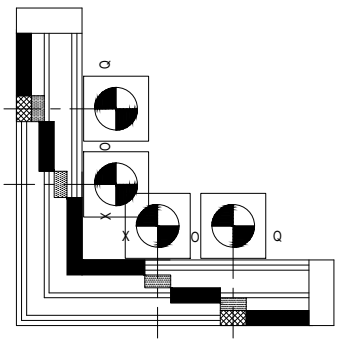
schaal - échelle
scale - Maßstab
1/4

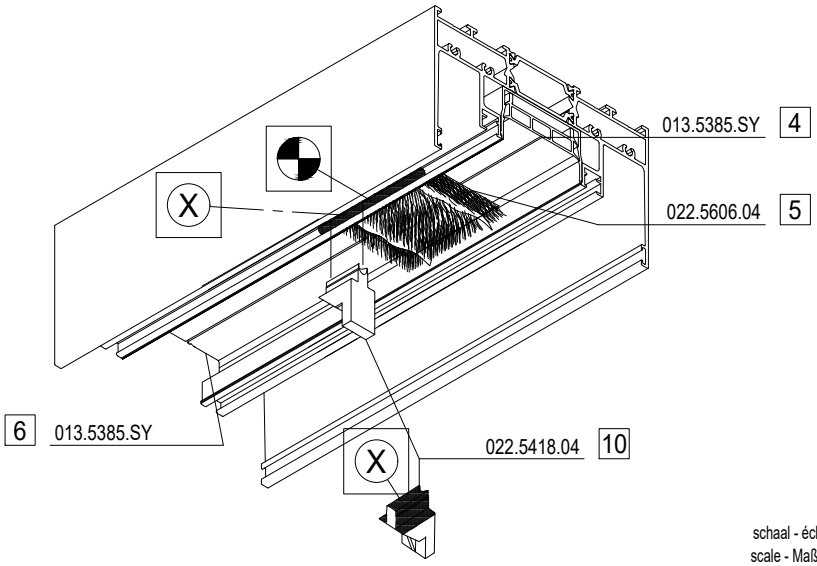
F

SlimPatio 68

PLAATSING VLEUGELS
PLACEMENT DES OUVRANTS
PLACEMENT OF VENTS
PLATZIERUNG FLUEGELS





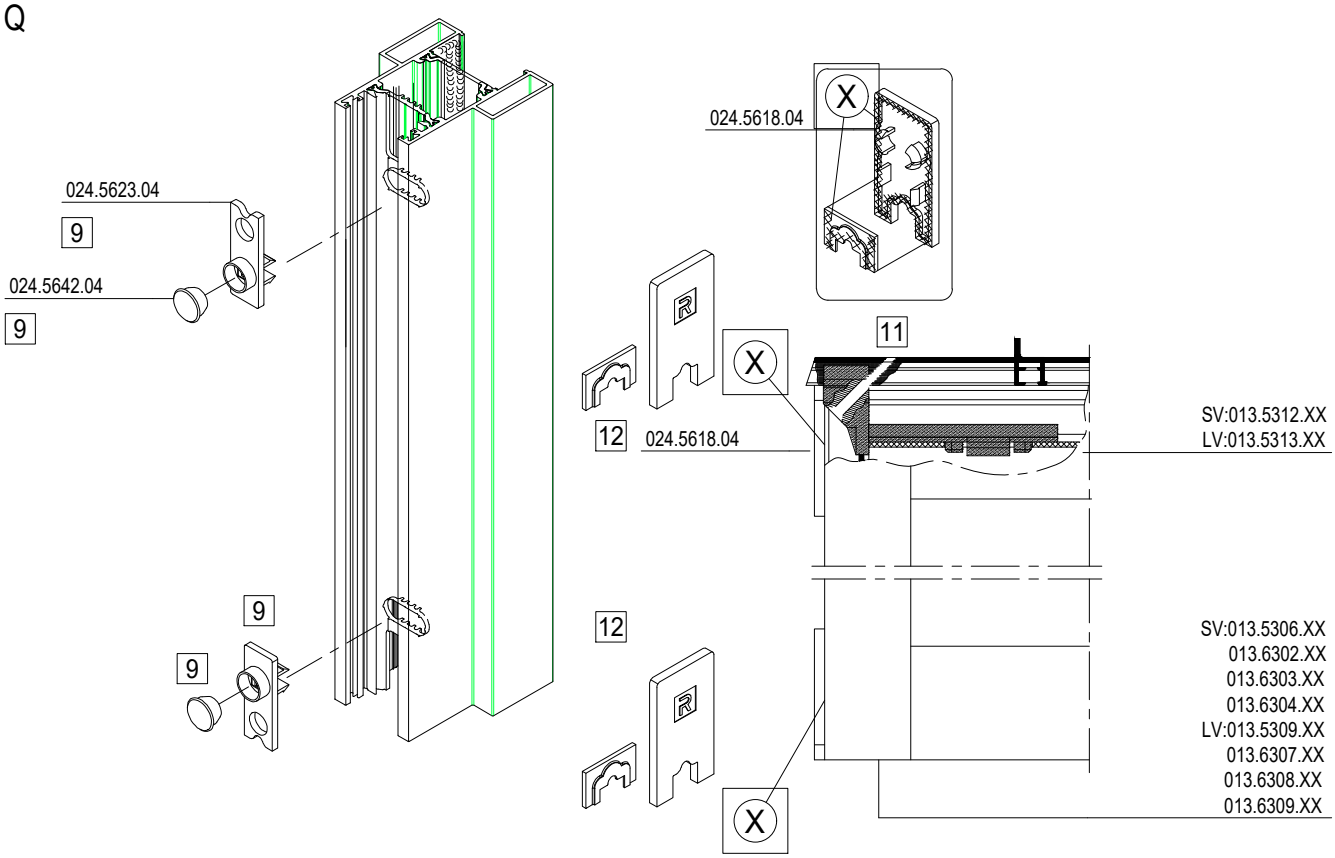


MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

A B C .

schaal - échelle
scale - Maßstab
1/3

Q



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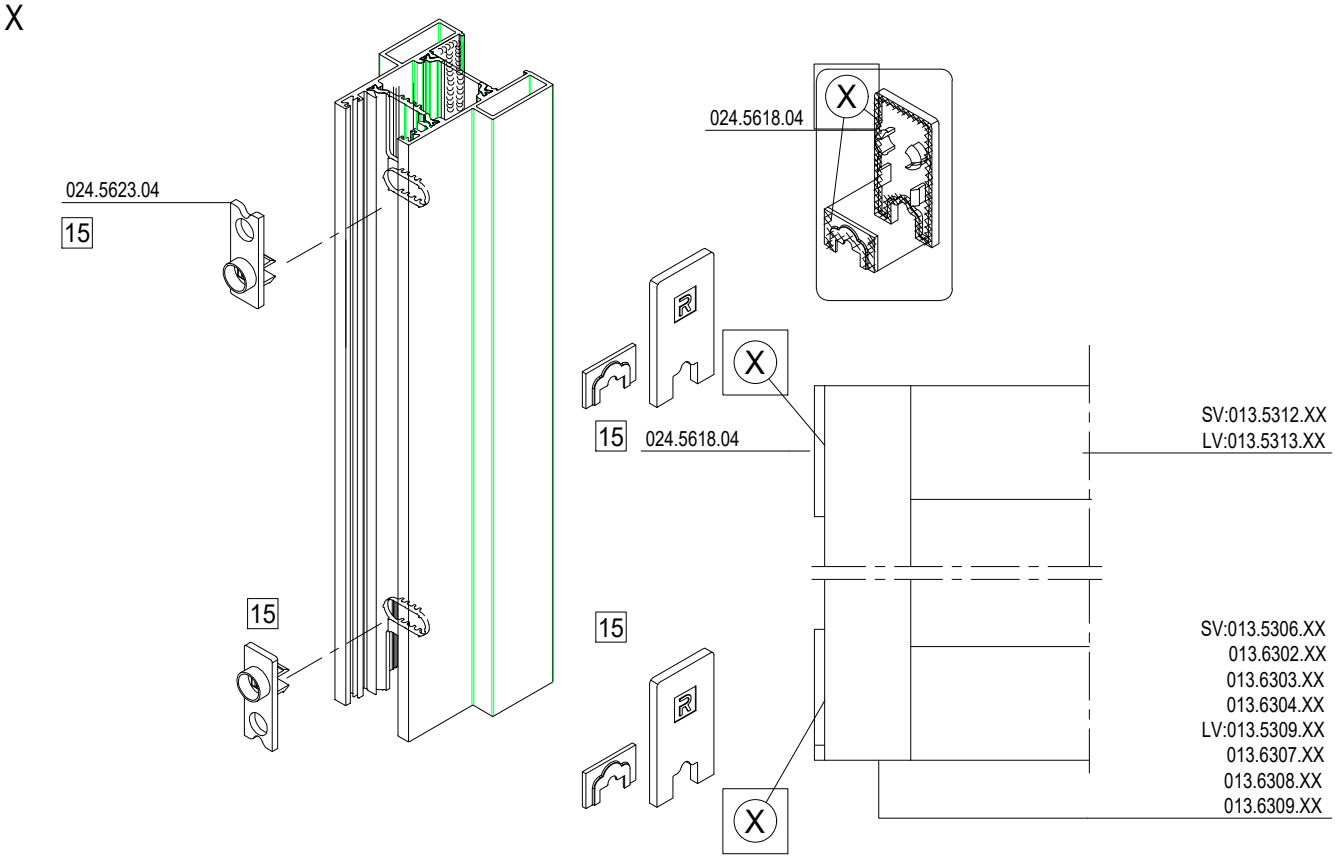
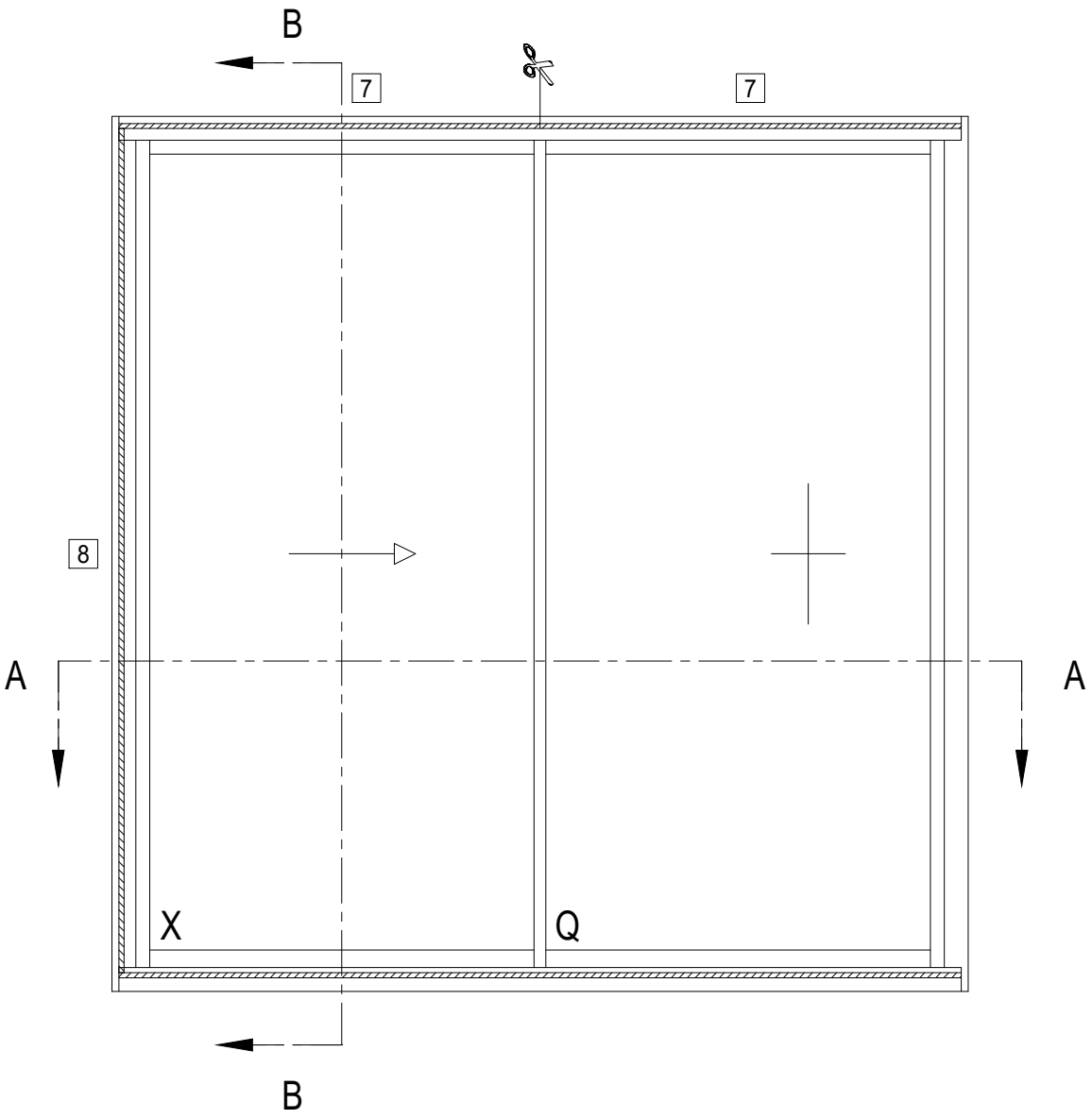
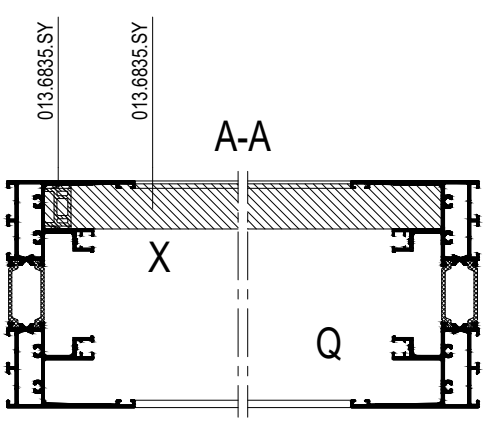
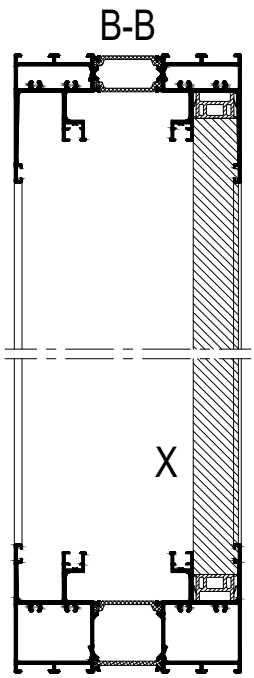


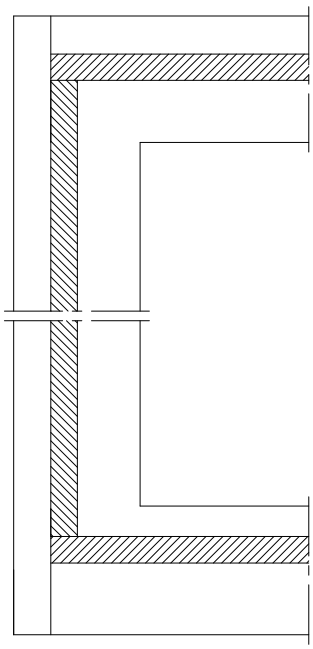
schaal - échelle
scale - Maßstab
1/3

F



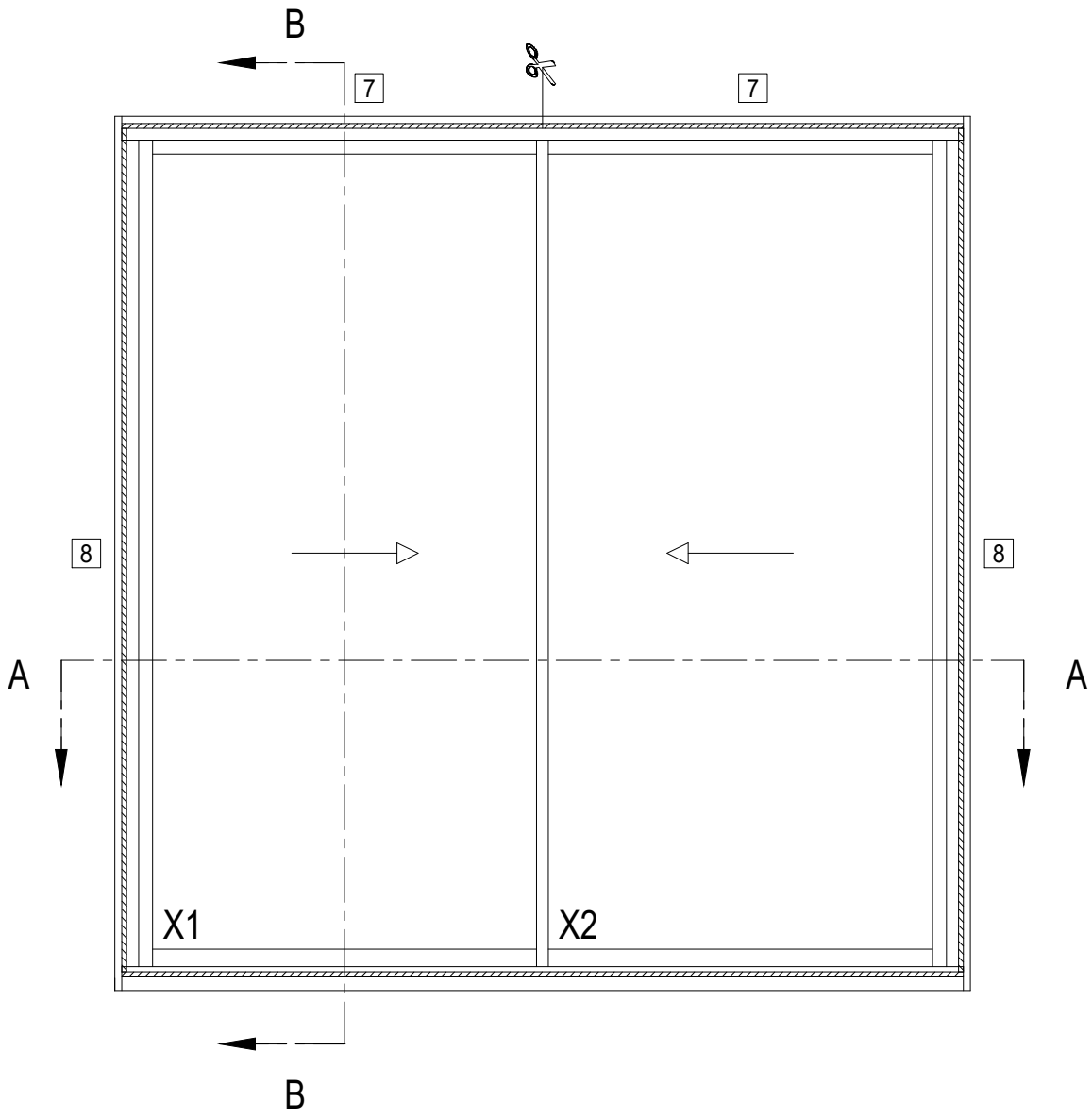


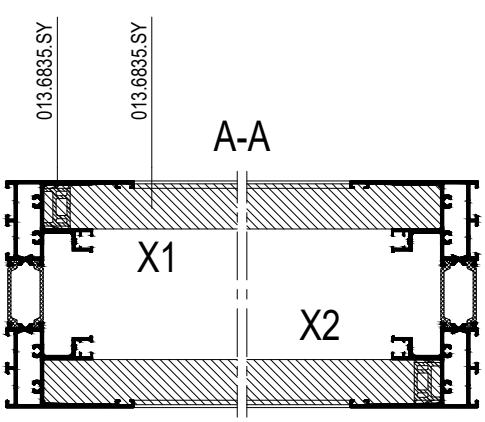


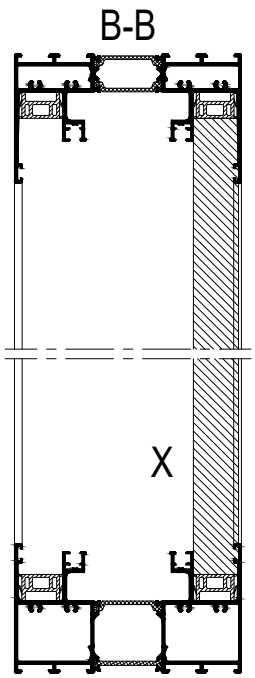


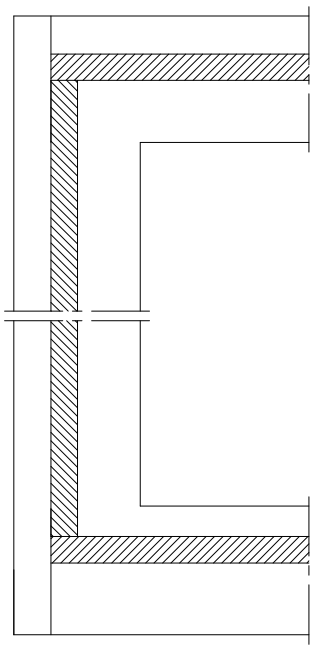
GEBRUIK SILICONESPRAY
UTILISER UN SPRAY DE SILICONE
USE SILICONE SPRAY
SILIKONSPRAY VERWENDEN

schaal - échelle
scale - Maßstab
1/4





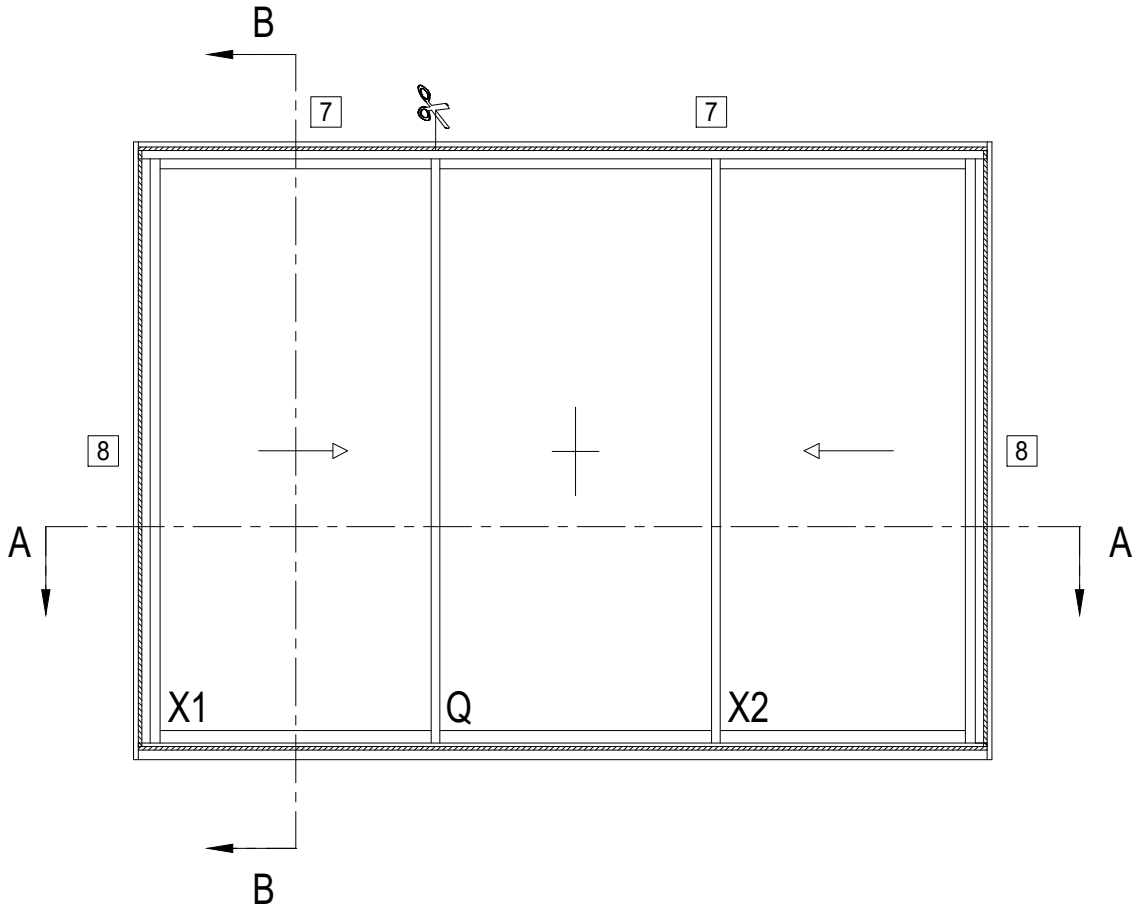


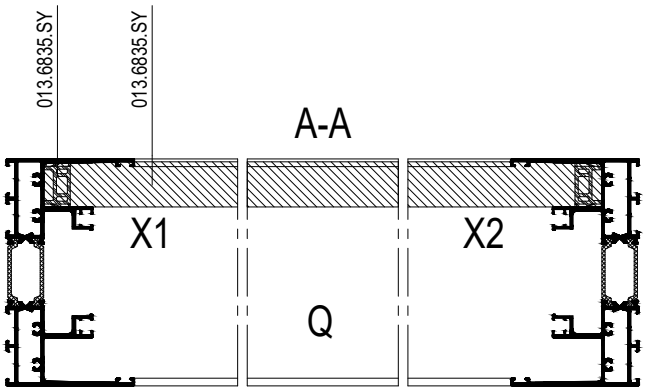


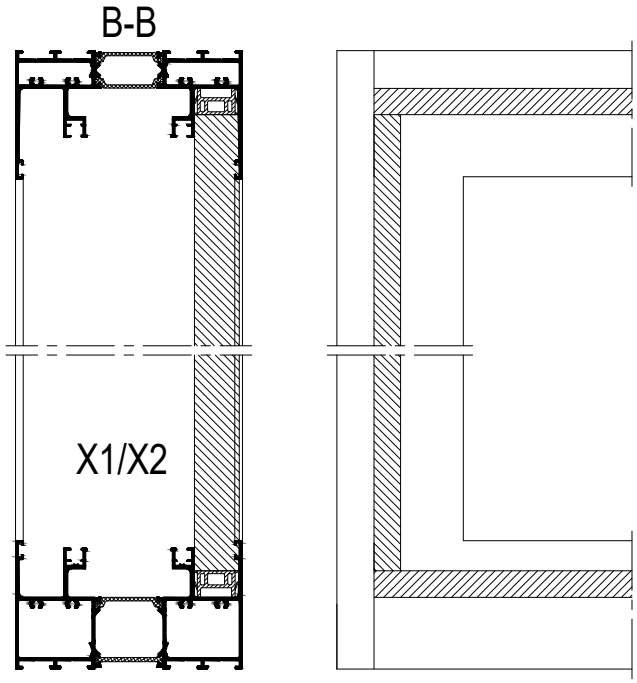
GEBRUIK SILICONESPRAY
UTILISER UN SPRAY DE SILICONE
USE SILICONE SPRAY
SILIKONSPRAY VERWENDEN

schaal - échelle
scale - Maßstab
1/4

F

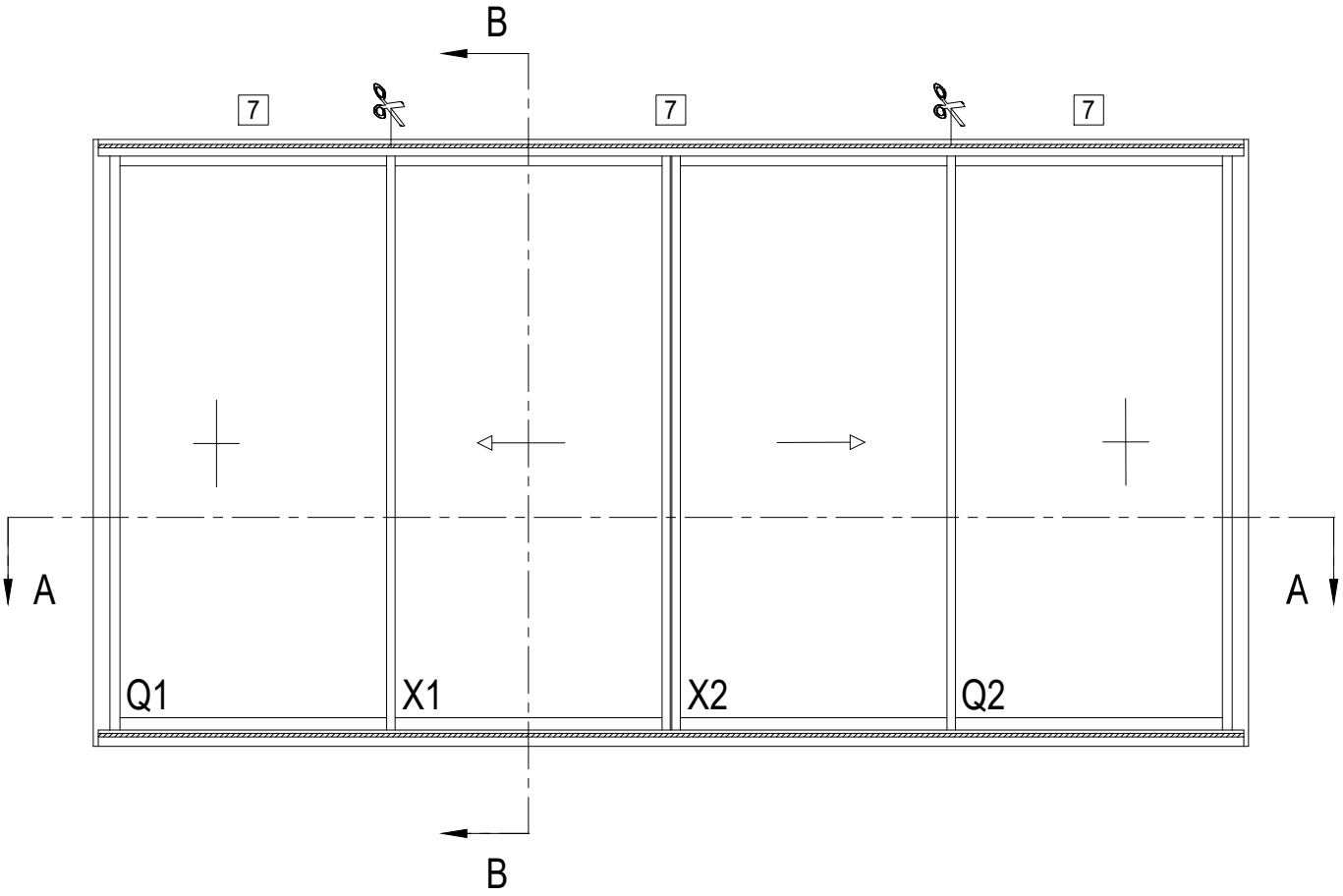


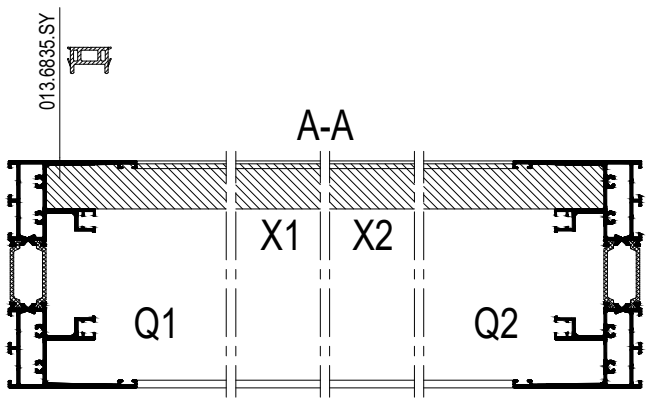


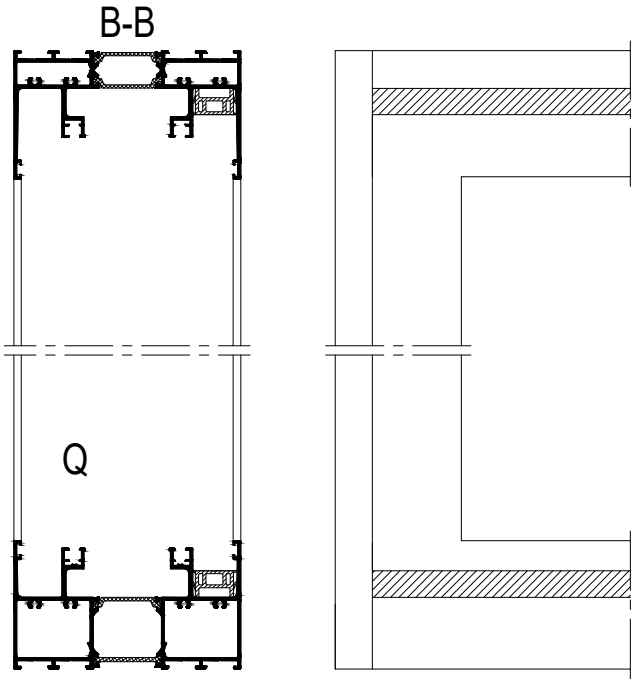


GEBRUIK SILICONESPRAY
UTILISER UN SPRAY DE SILICONE
USE SILICONE SPRAY
SILIKONSPRAY VERWENDEN

schaal - échelle
scale - Maßstab
1/4



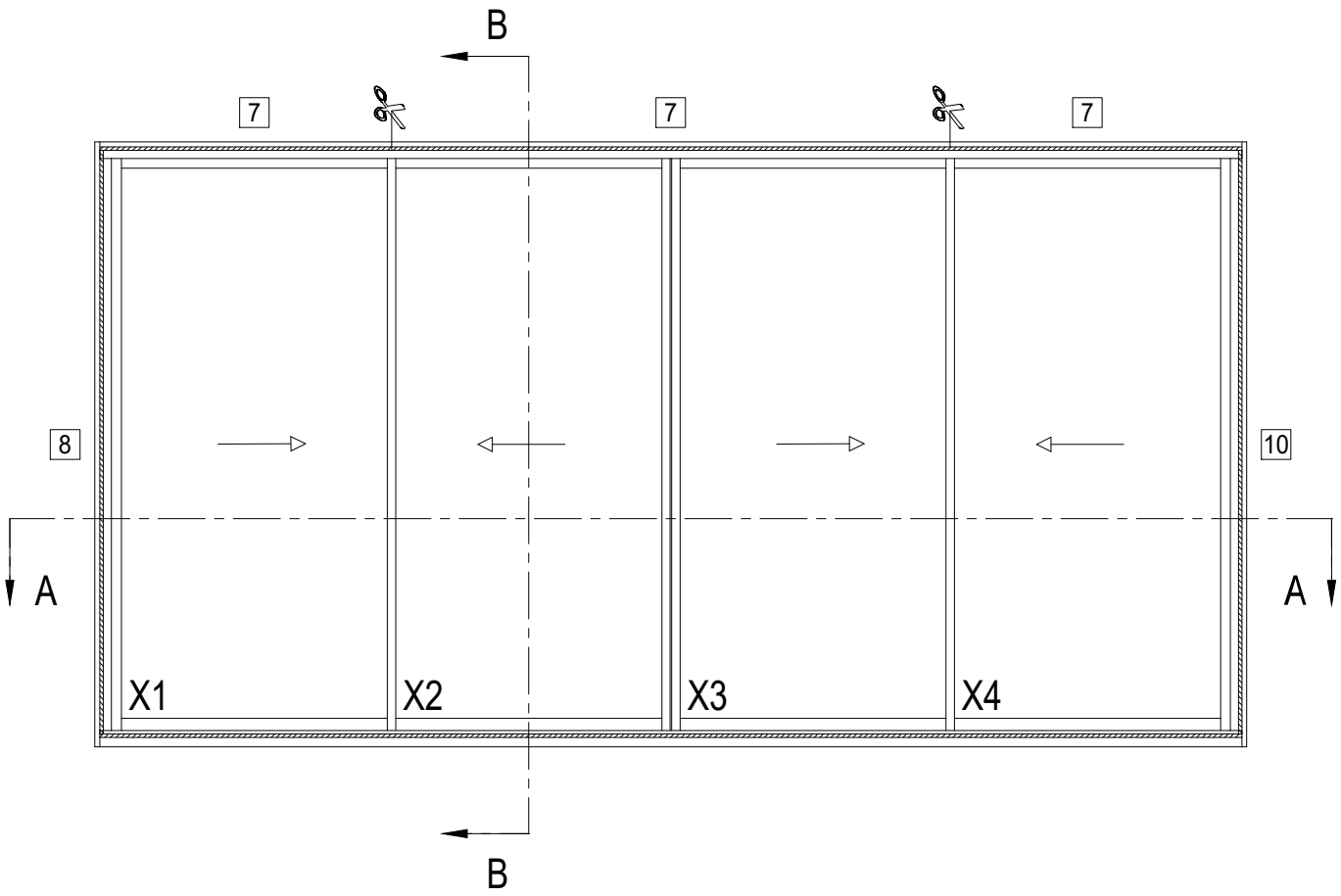


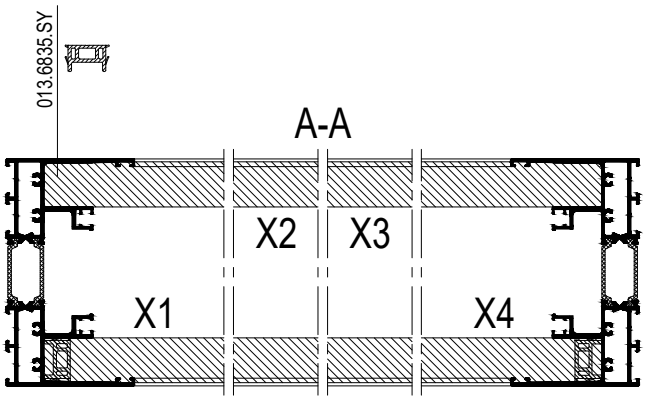


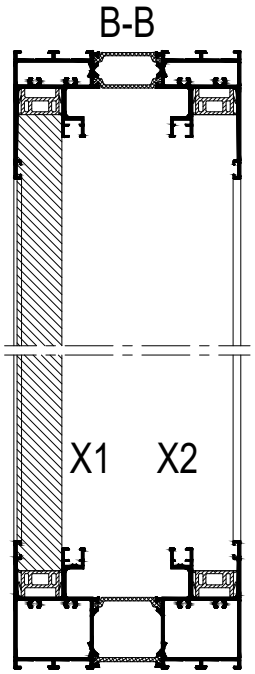
!	GEBRUIK SILICONESPRAY UTILISER UN SPRAY DE SILICONE USE SILICONE SPRAY SILIKONSPRAY VERWENDEN

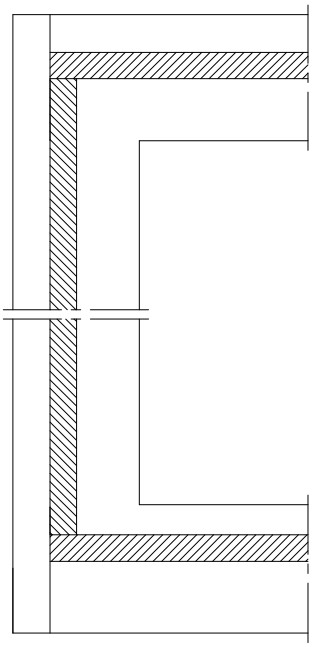
schaal - échelle
scale - Maßstab
1/4

F





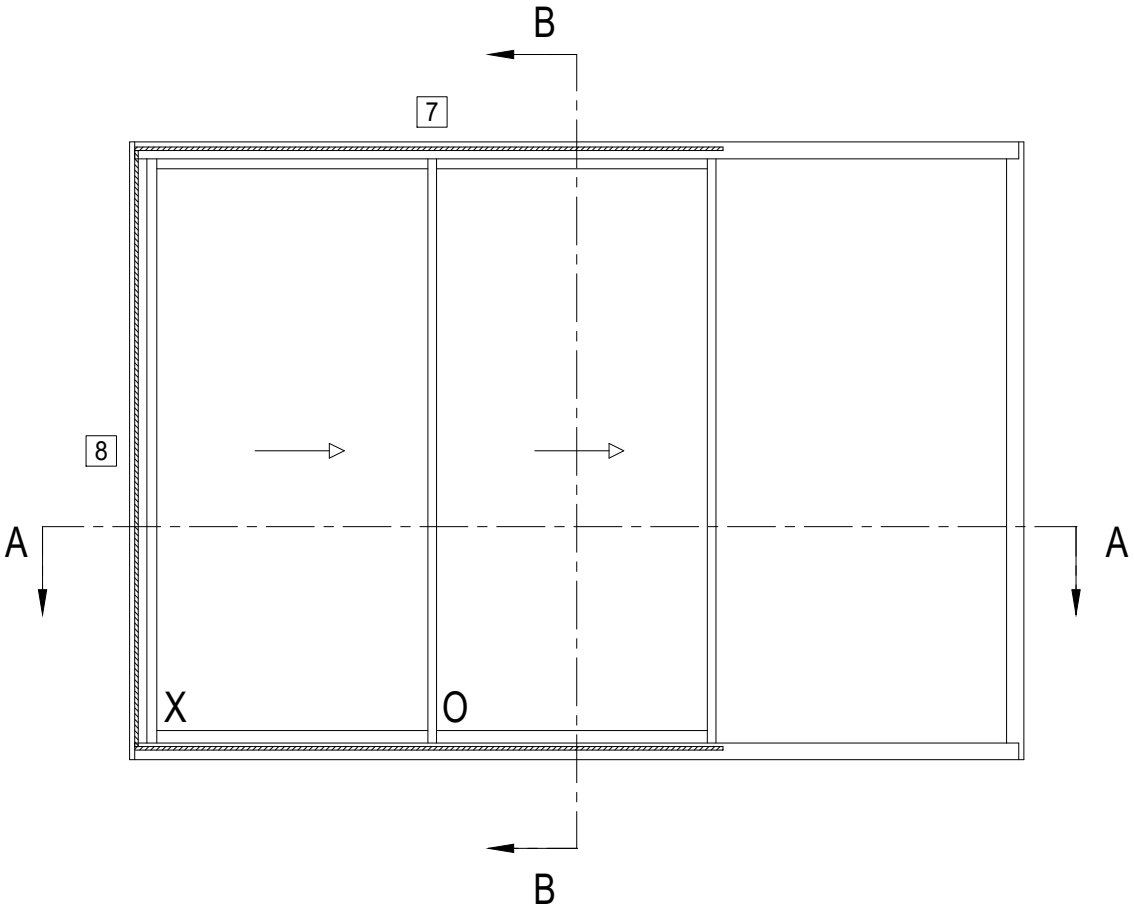


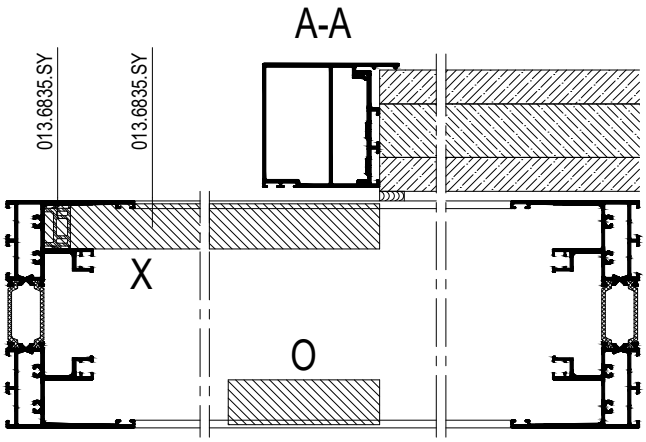


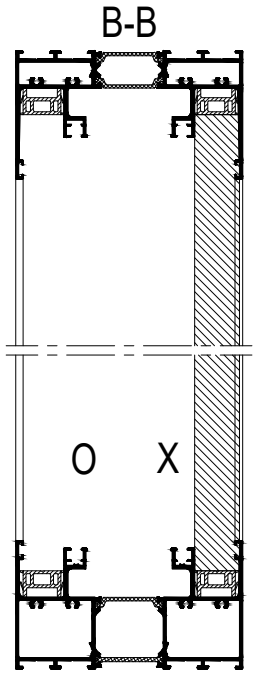
GEBRUIK SILICONESPRAY
UTILISER UN SPRAY DE SILICONE
USE SILICONE SPRAY
SILIKONSPRAY VERWENDEN

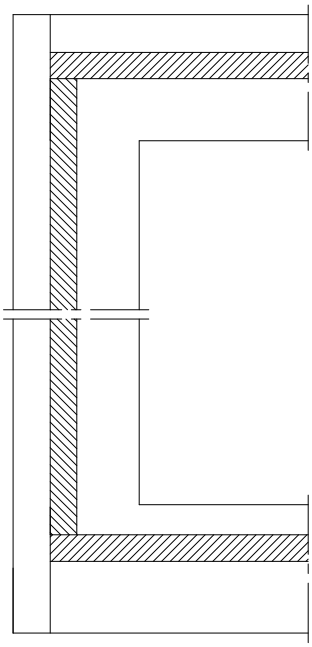
schaal - échelle
scale - Maßstab
1/4

schaal - échelle
scale - Maßstab
1/4



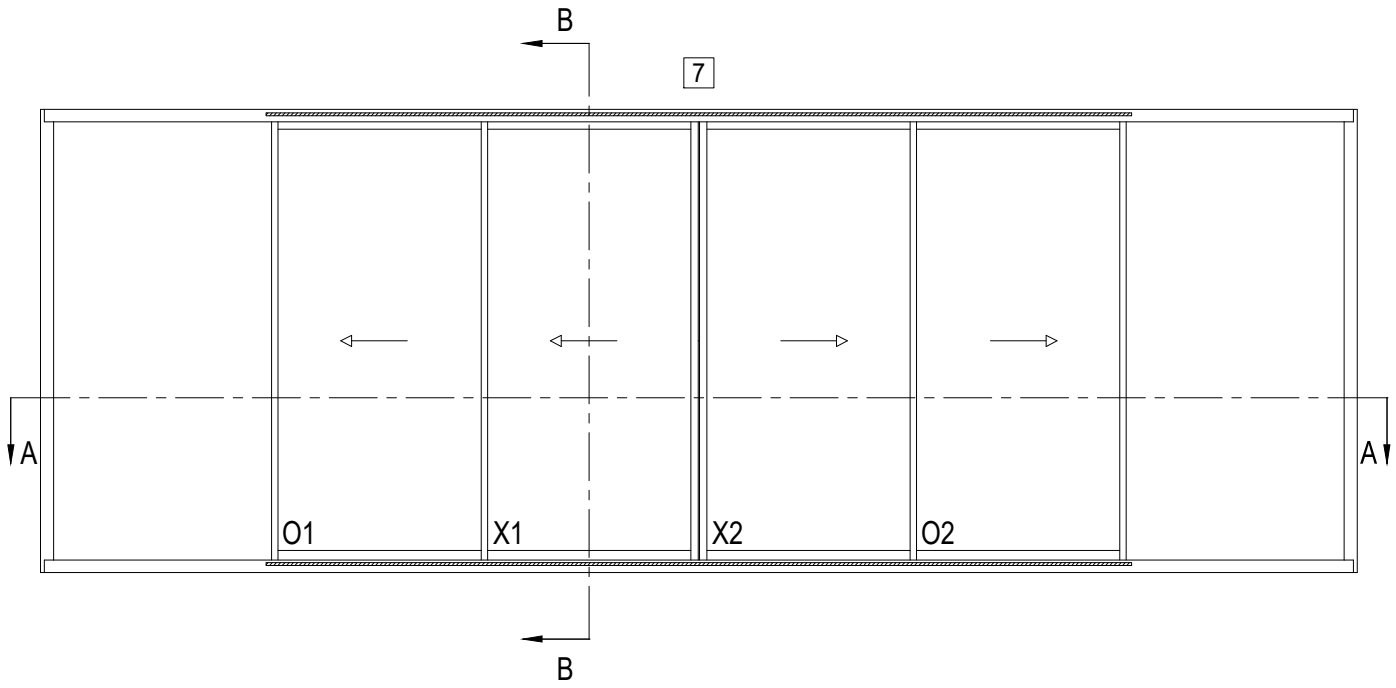


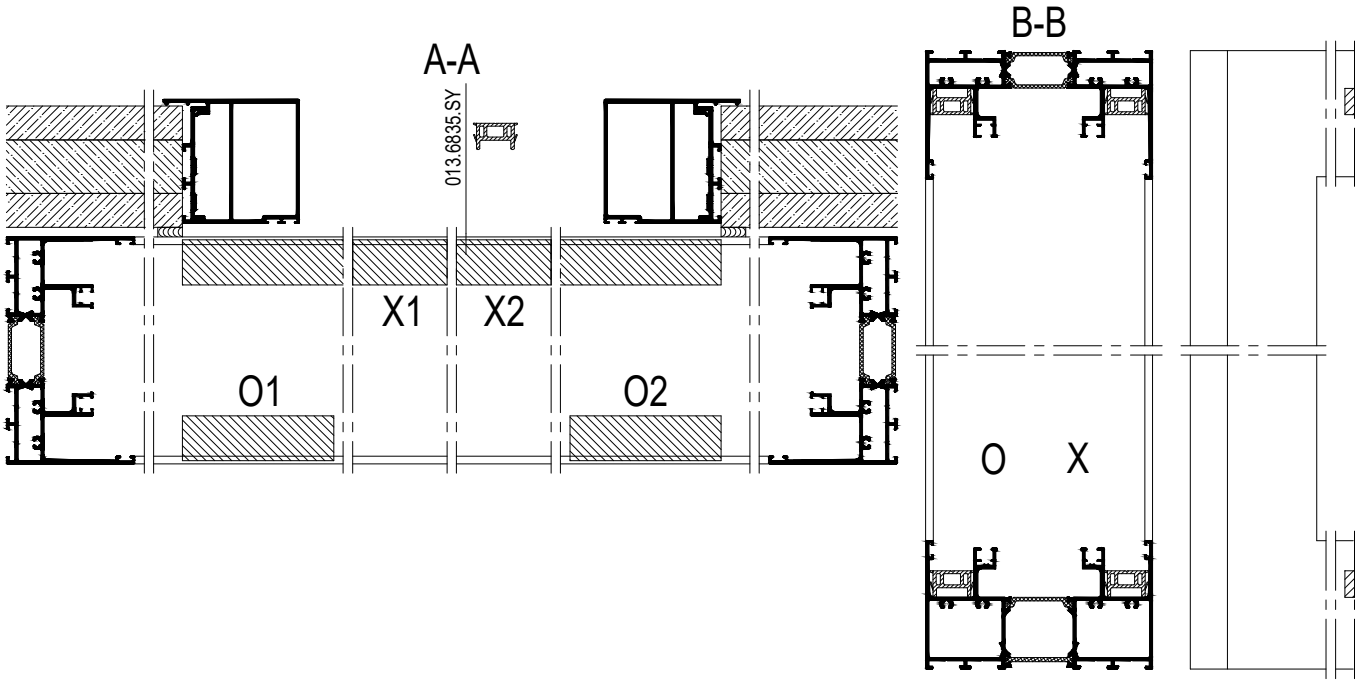




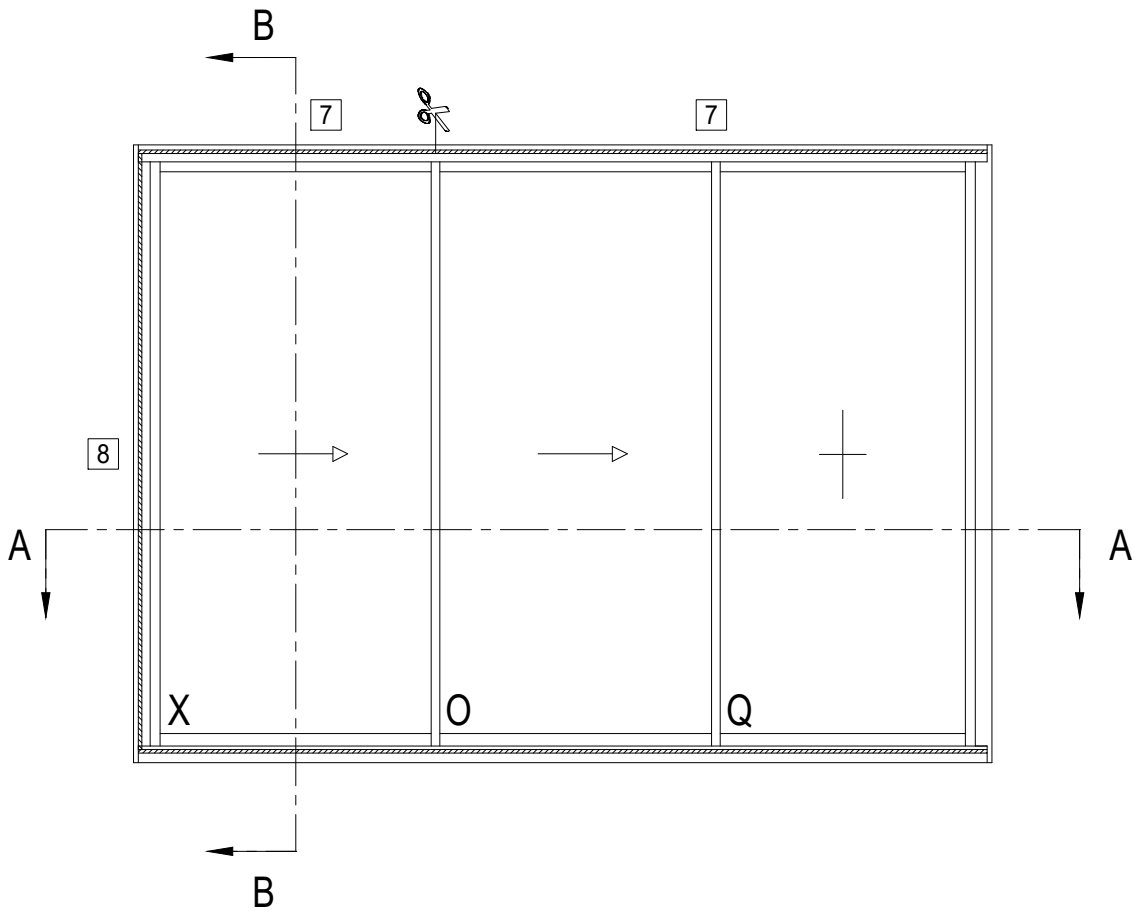
GEBRUIK SILICONESPRAY
UTILISER UN SPRAY DE SILICONE
USE SILICONE SPRAY
SILIKONSPRAY VERWENDEN

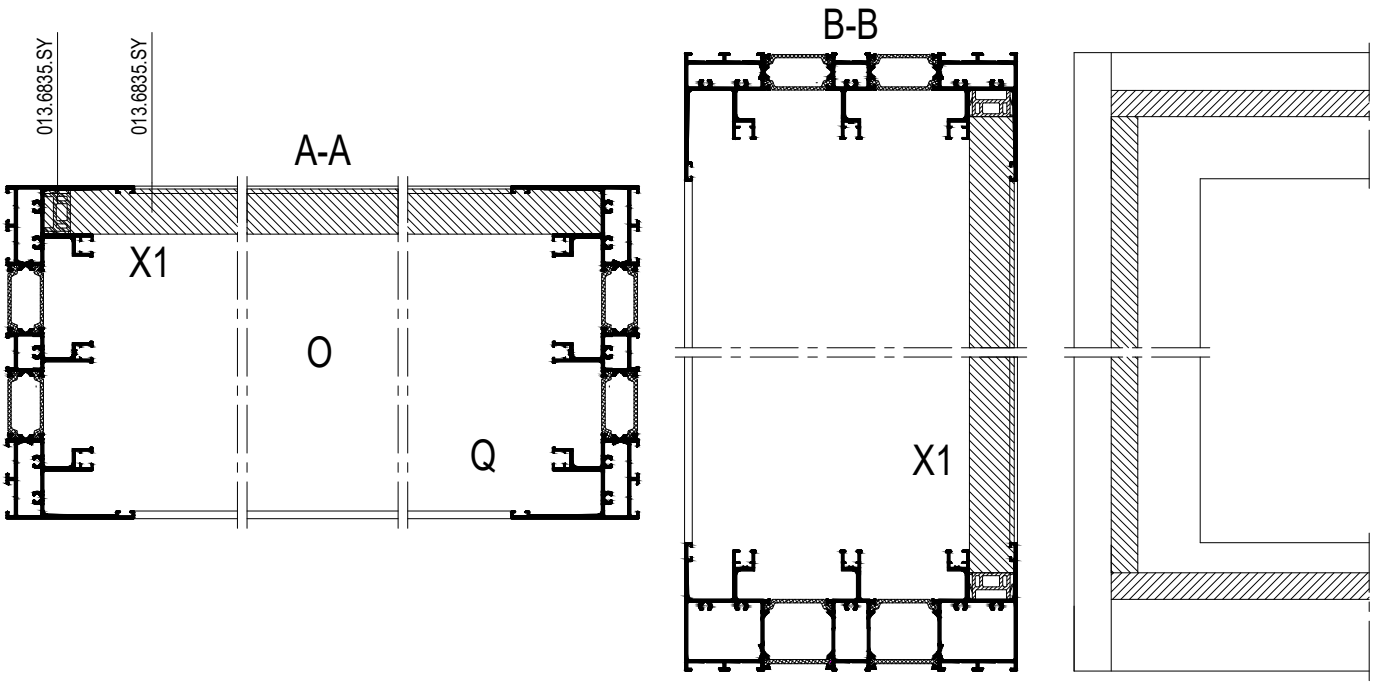
schaal - échelle
scale - Maßstab
1/4





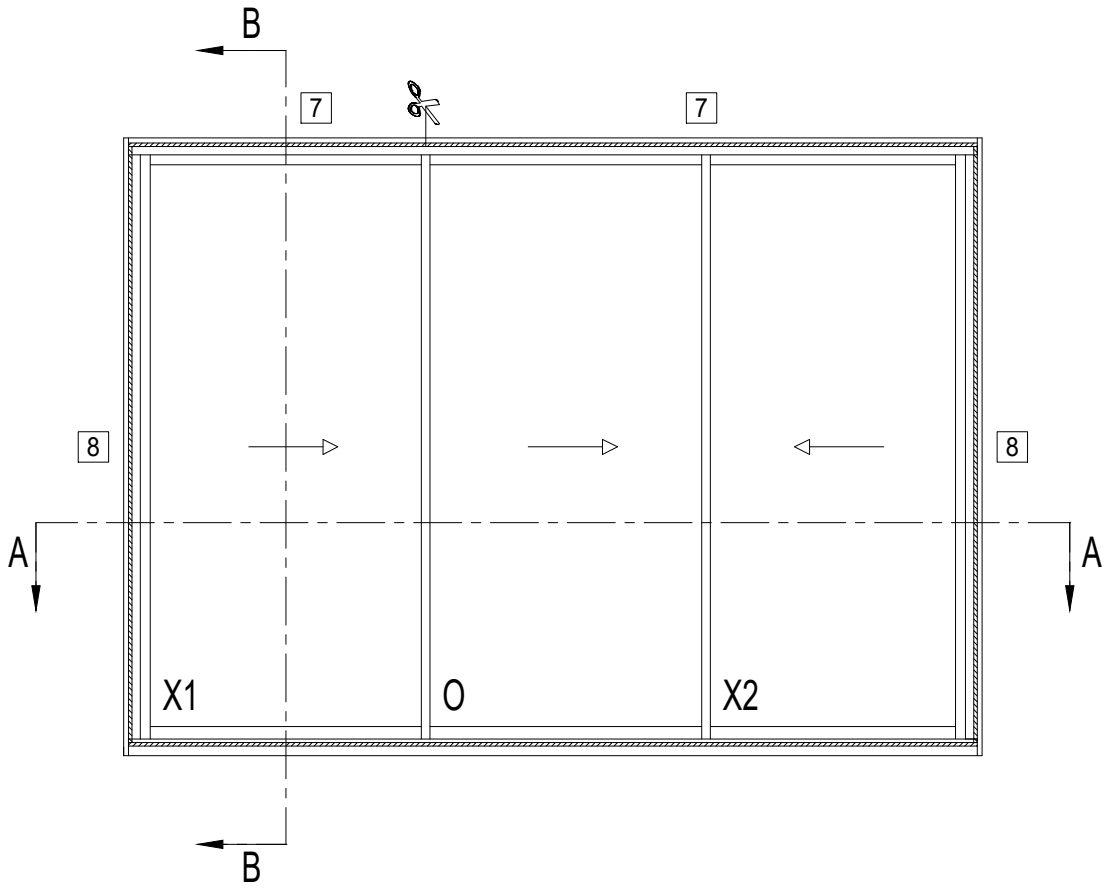
!	GEBRUIK SILICONESPRAY UTILISER UN SPRAY DE SILICONE USE SILICONE SPRAY SILIKONSPRAY VERWENDEN

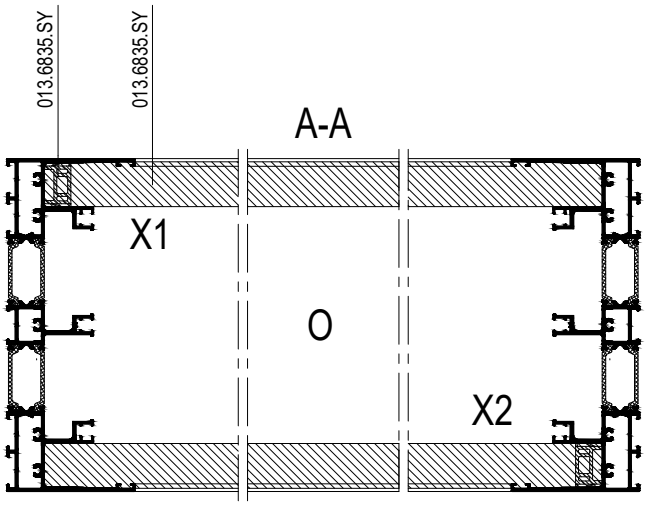


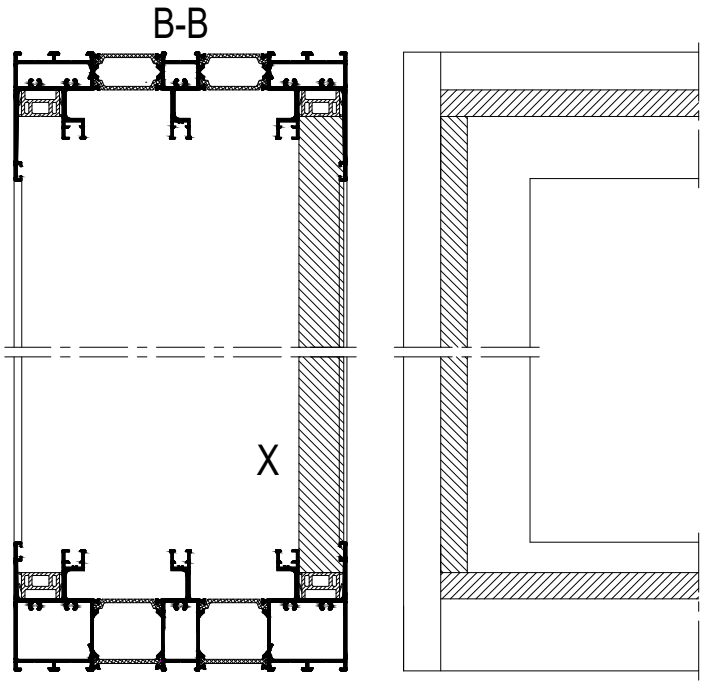


GEBRUIK SILICONESPRAY
UTILISER UN SPRAY DE SILICONE
USE SILICONE SPRAY
SILIKONSPRAY VERWENDEN

schaal - échelle
scale - Maßstab
1/4



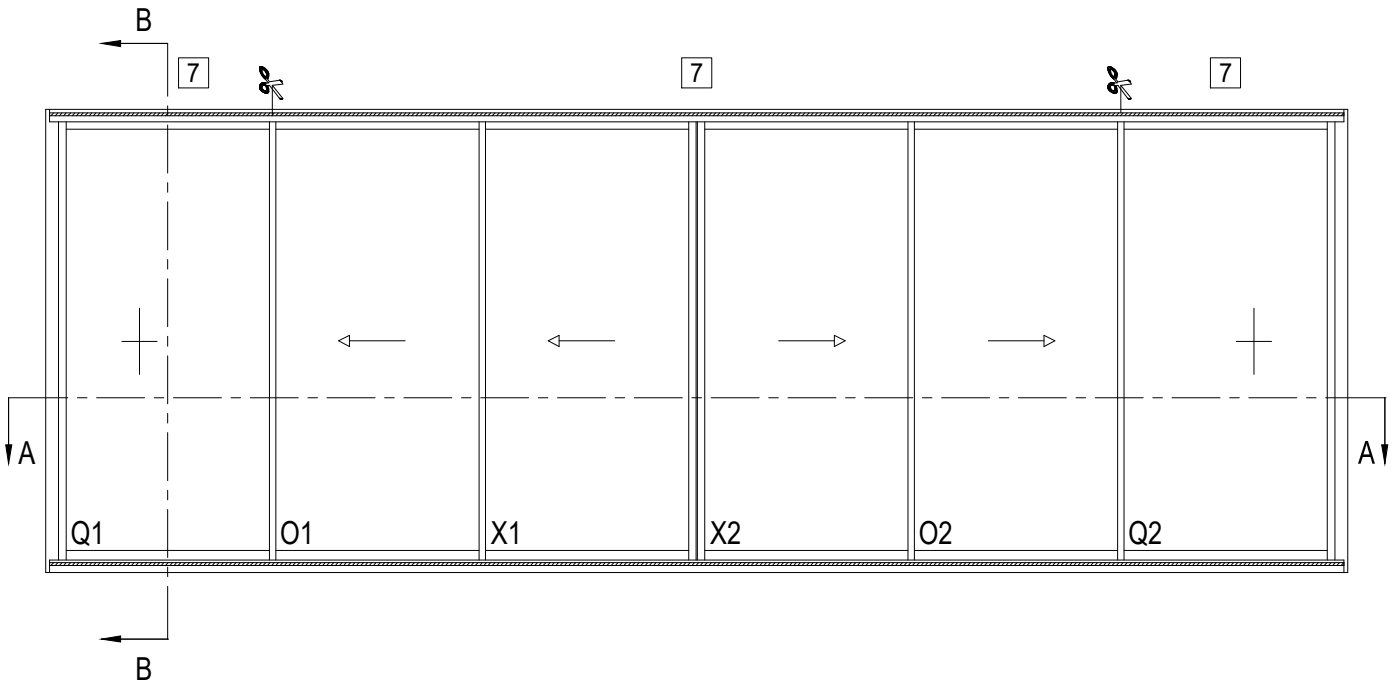


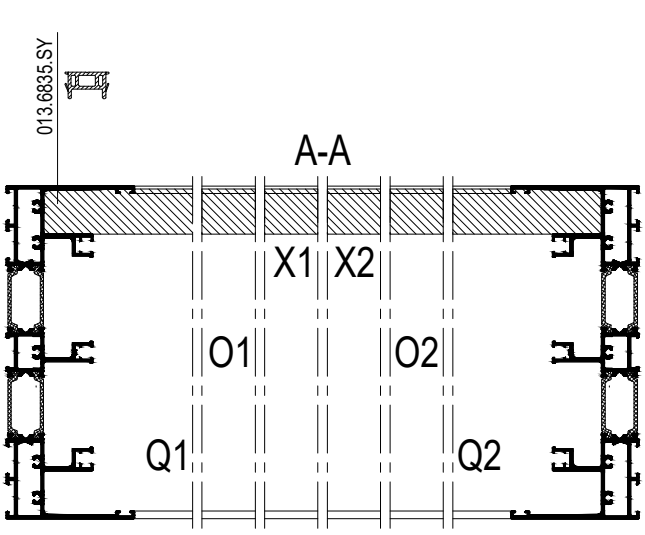


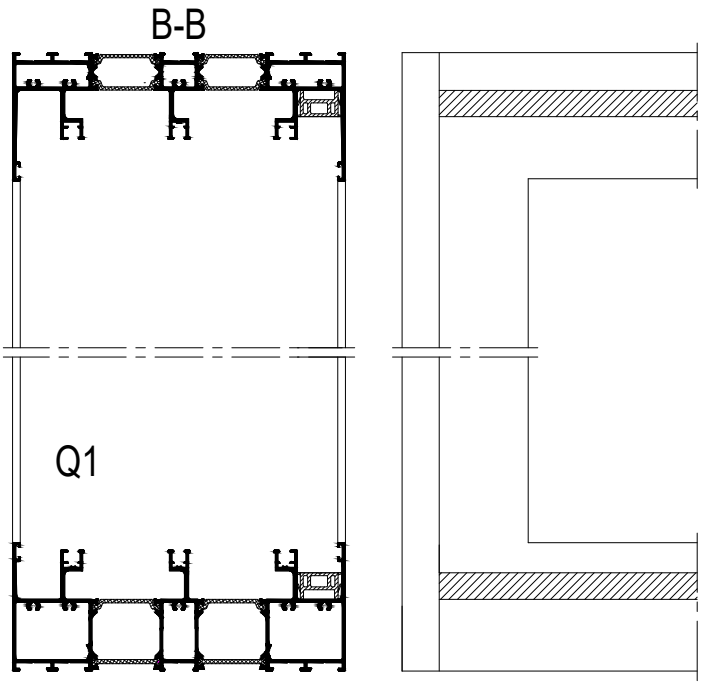
GEBRUIK SILICONESPRAY
UTILISER UN SPRAY DE SILICONE
USE SILICONE SPRAY
SILIKONSPRAY VERWENDEN

schaal - échelle
scale - Maßstab
1/2

F

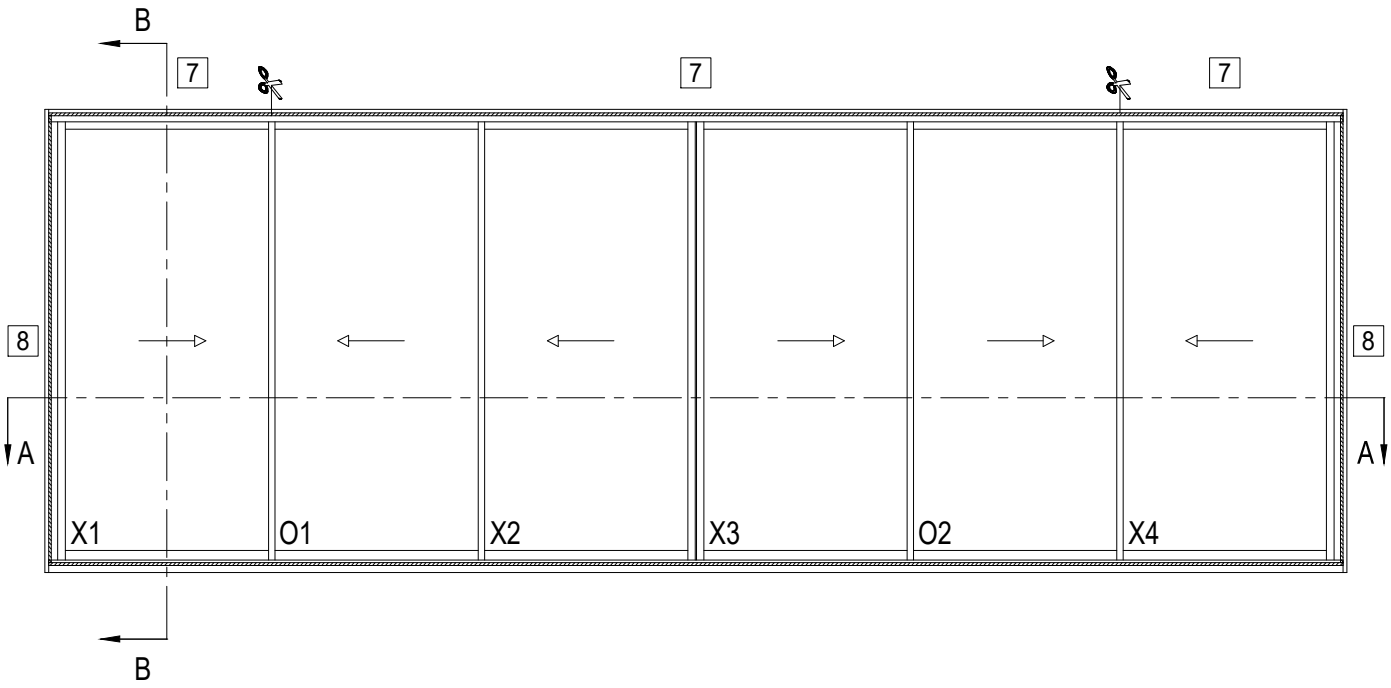


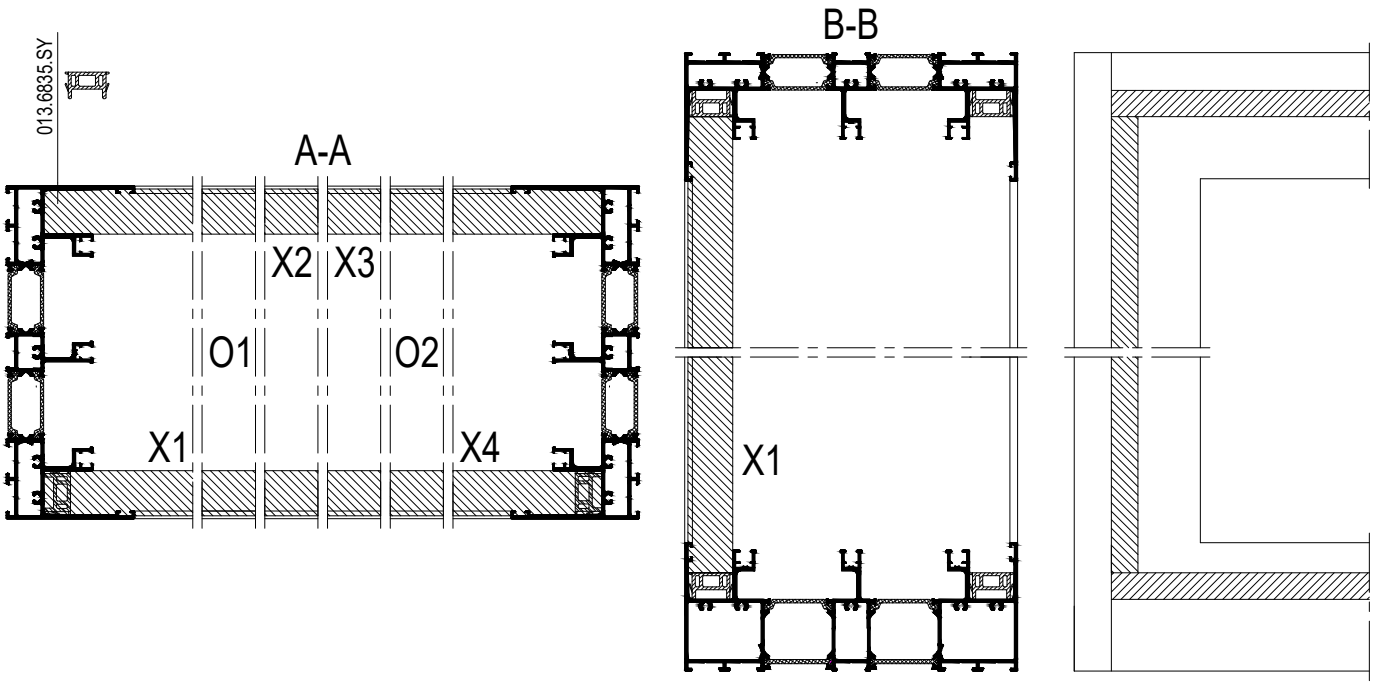




GEBRUIK SILICONESPRAY
UTILISER UN SPRAY DE SILICONE
USE SILICONE SPRAY
SILIKONSPRAY VERWENDEN

schaal - échelle
scale - Maßstab
1/4

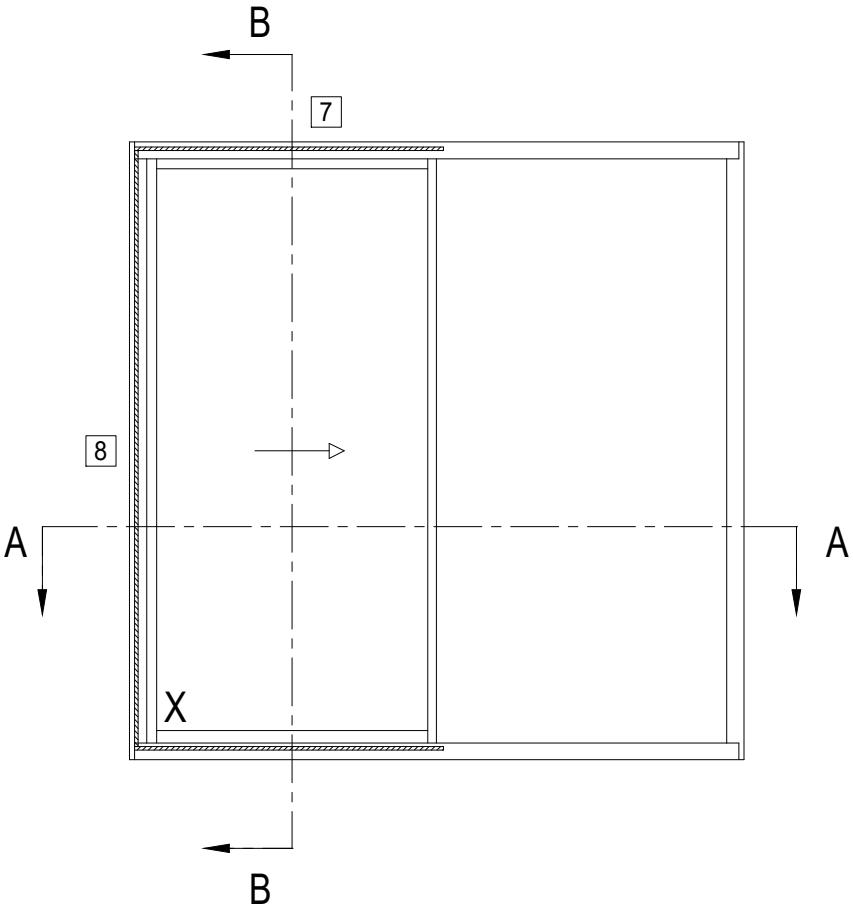


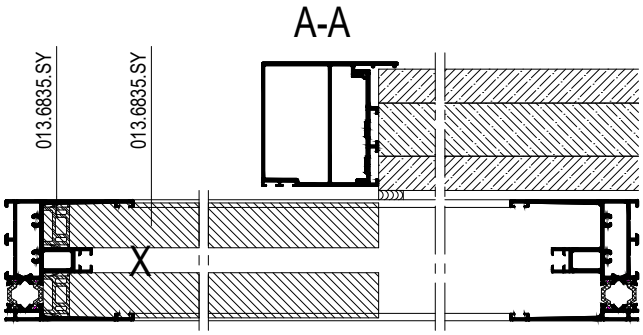


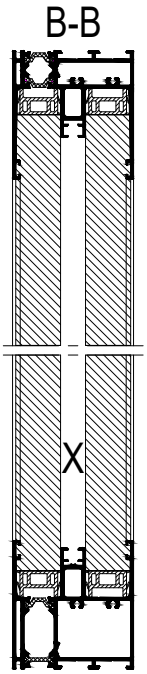
GEBRUIK SILICONESPRAY
UTILISER UN SPRAY DE SILICONE
USE SILICONE SPRAY
SILIKONSPRAY VERWENDEN

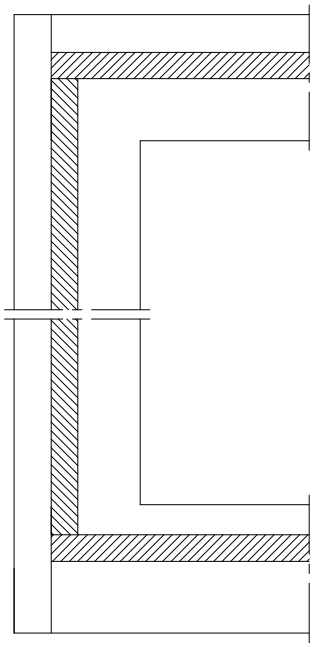
schaal - échelle
scale - Maßstab
1/4

F



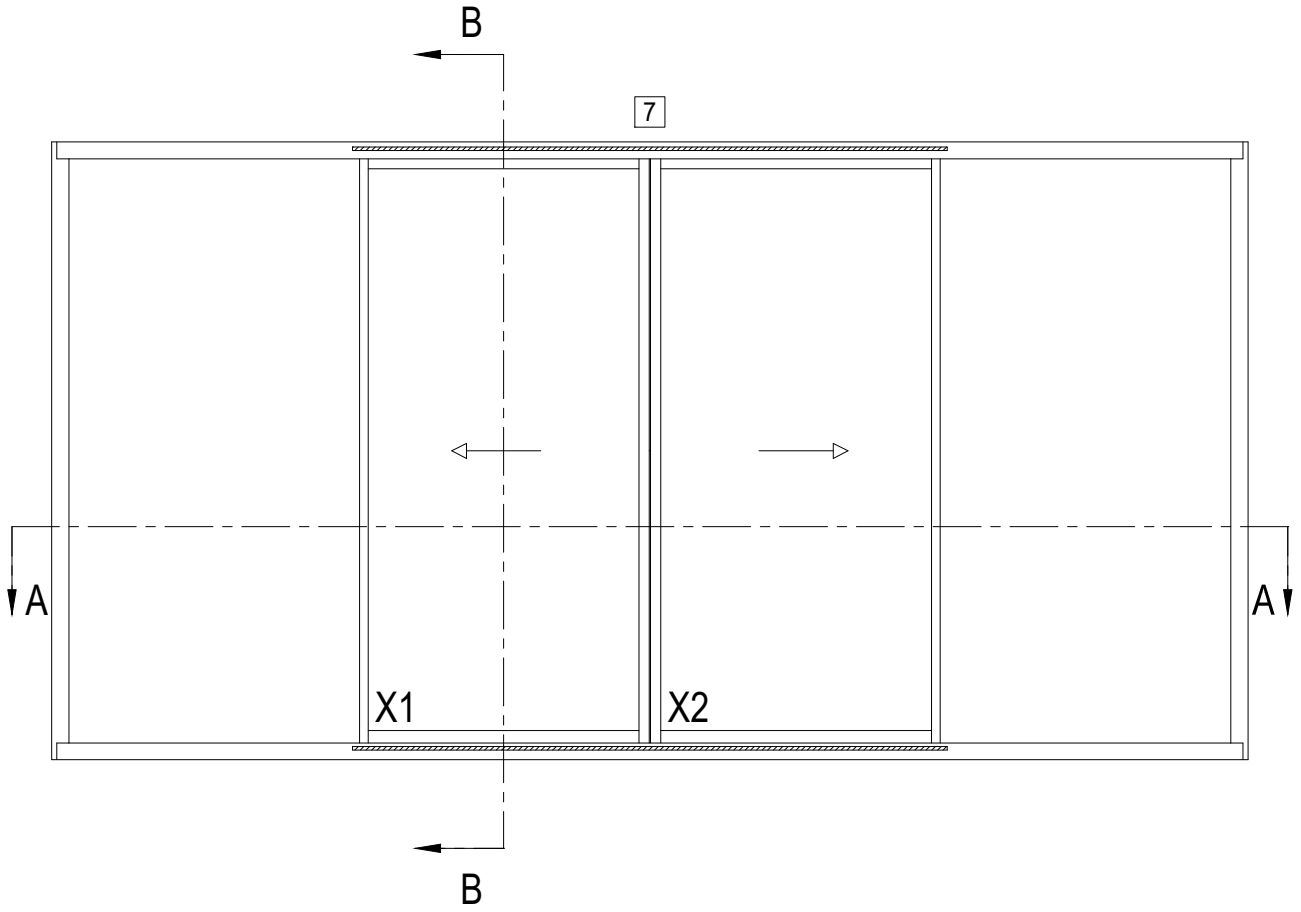


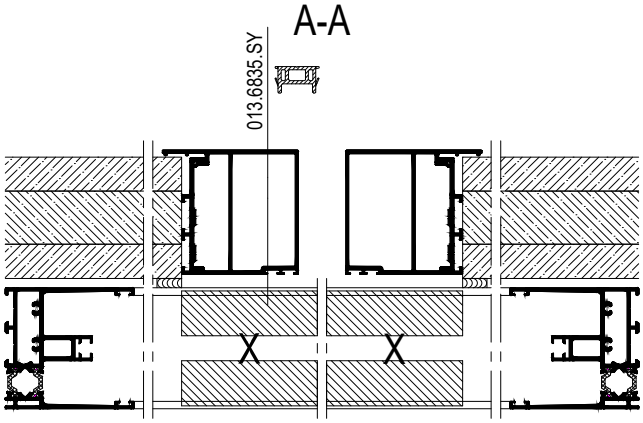


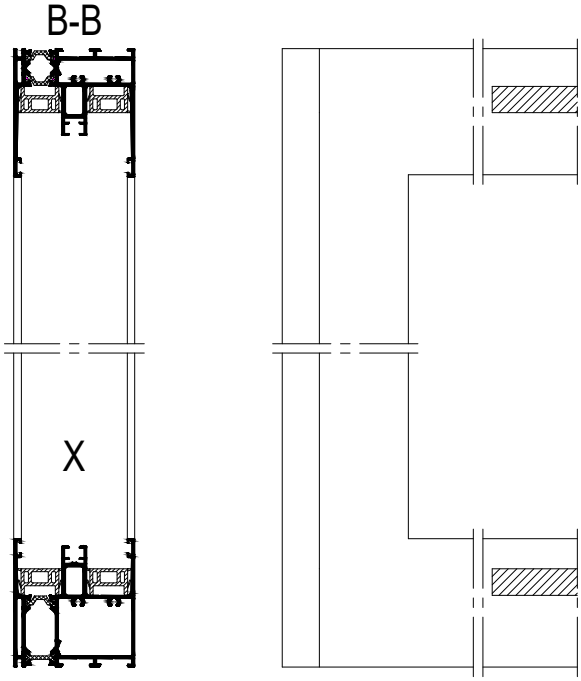


GEBRUIK SILICONESPRAY
UTILISER UN SPRAY DE SILICONE
USE SILICONE SPRAY
SILIKONSPRAY VERWENDEN

schaal - échelle
scale - Maßstab
1/4



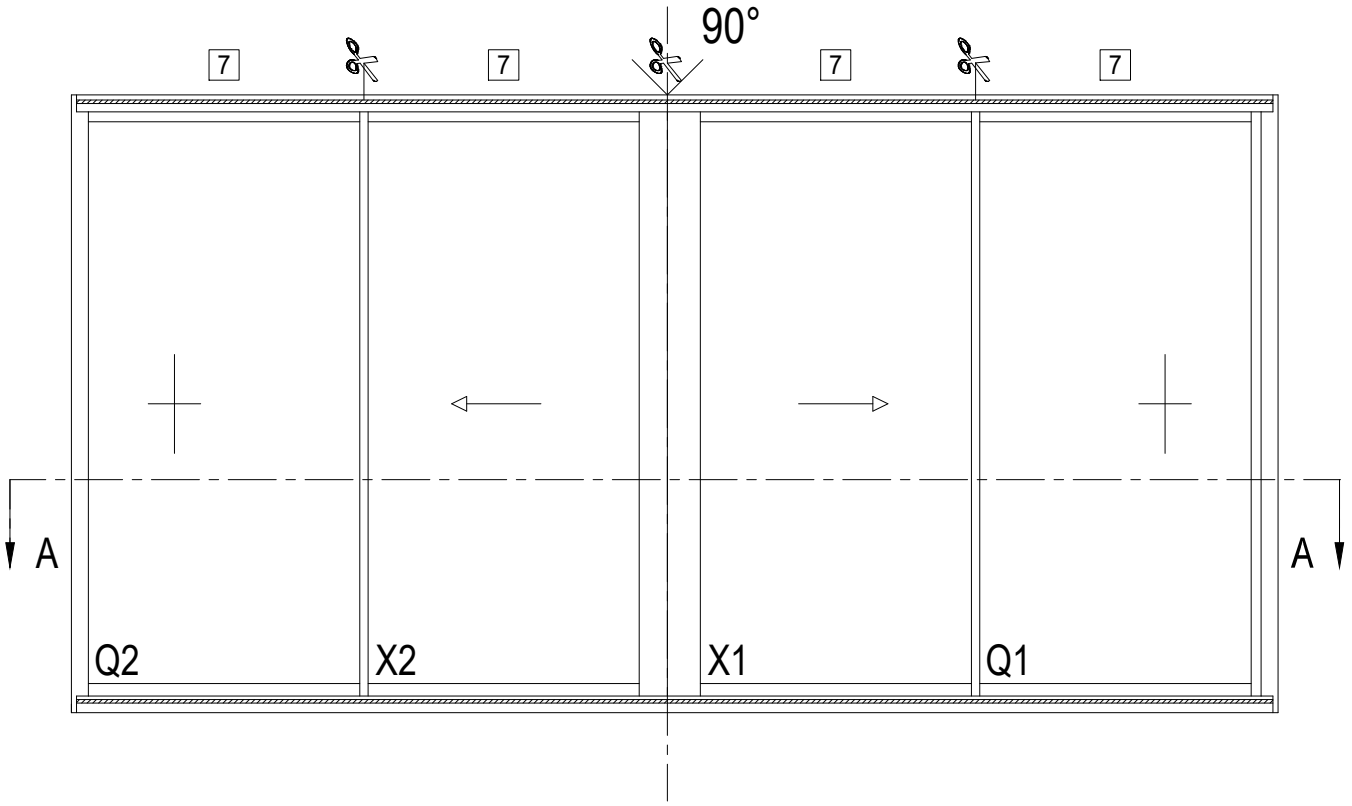


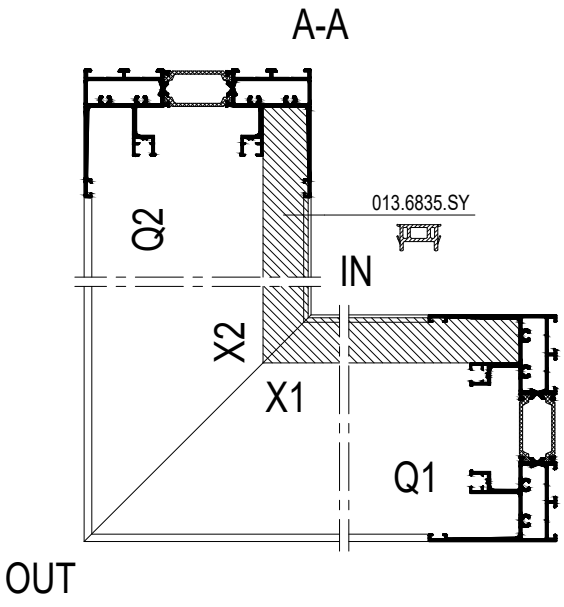


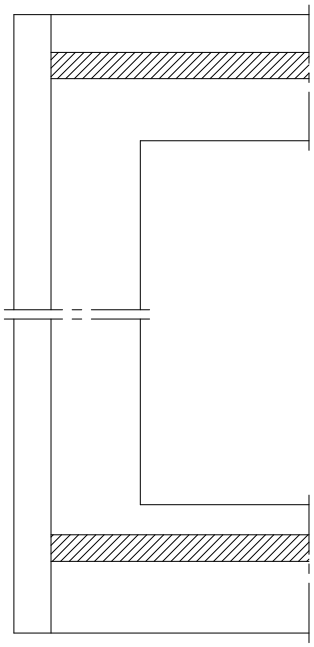
!	GEBRUIK SILICONESPRAY UTILISER UN SPRAY DE SILICONE USE SILICONE SPRAY SILIKONSPRAY VERWENDEN

schaal - échelle
scale - Maßstab
1/4

F

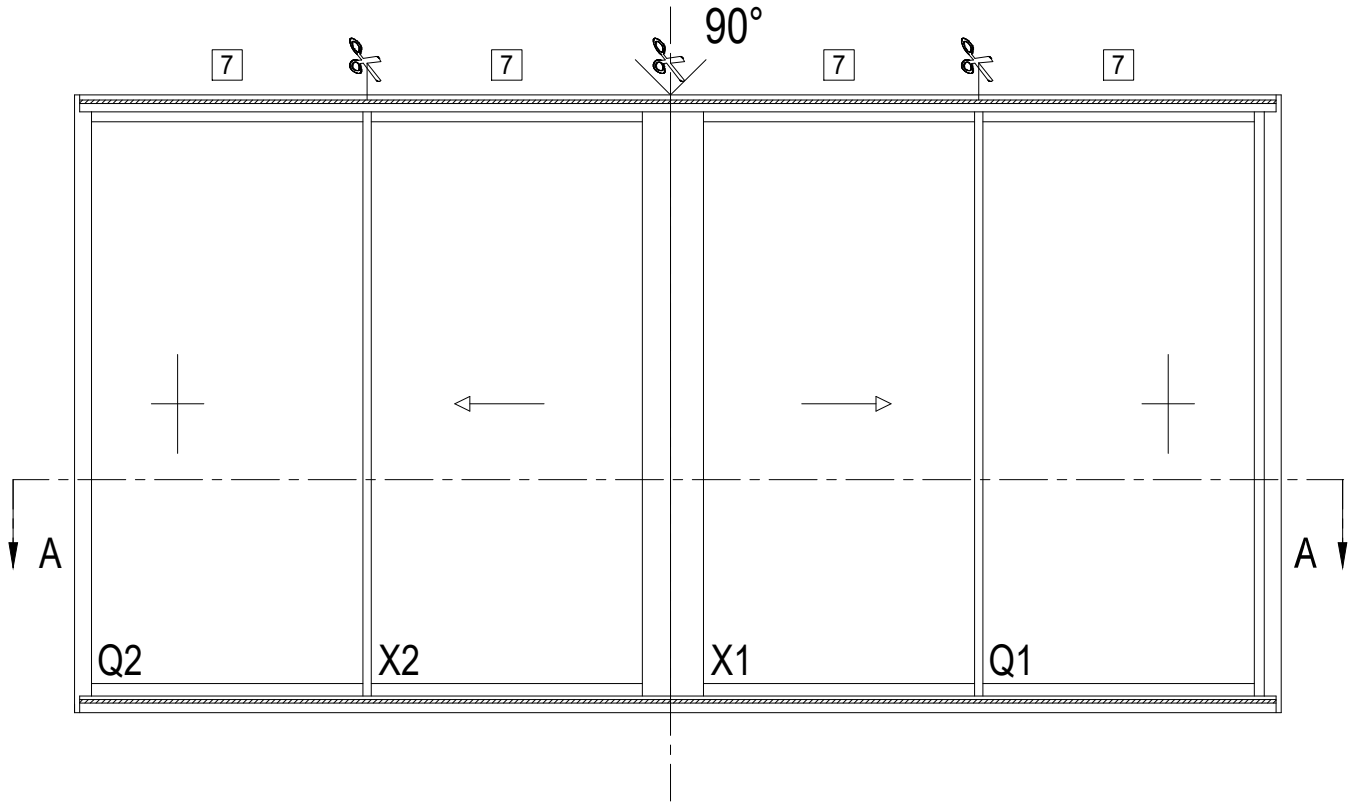


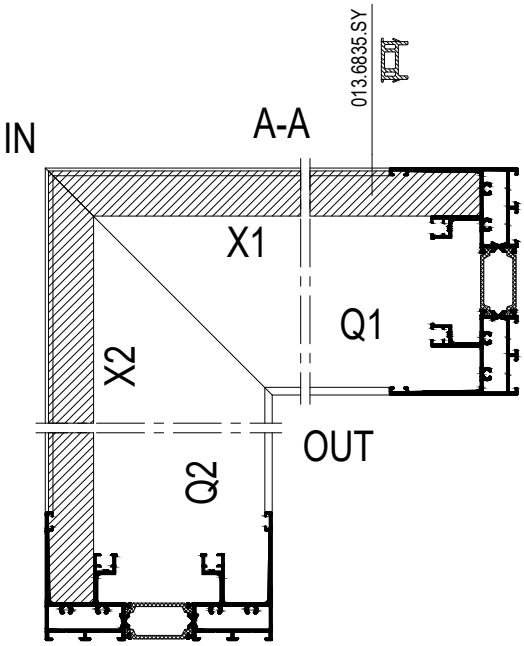


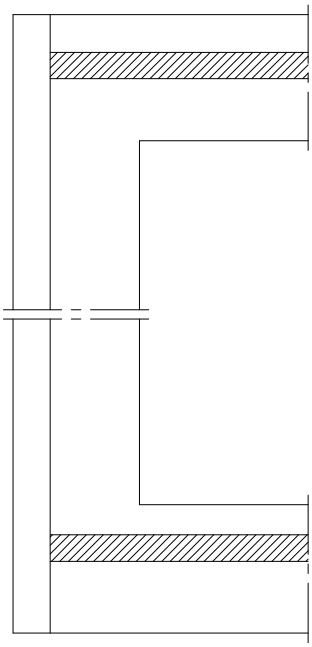


GEBRUIK SILICONESPRAY
UTILISER UN SPRAY DE SILICONE
USE SILICONE SPRAY
SILIKONSPRAY VERWENDEN

schaal - échelle
scale - Maßstab
1/2



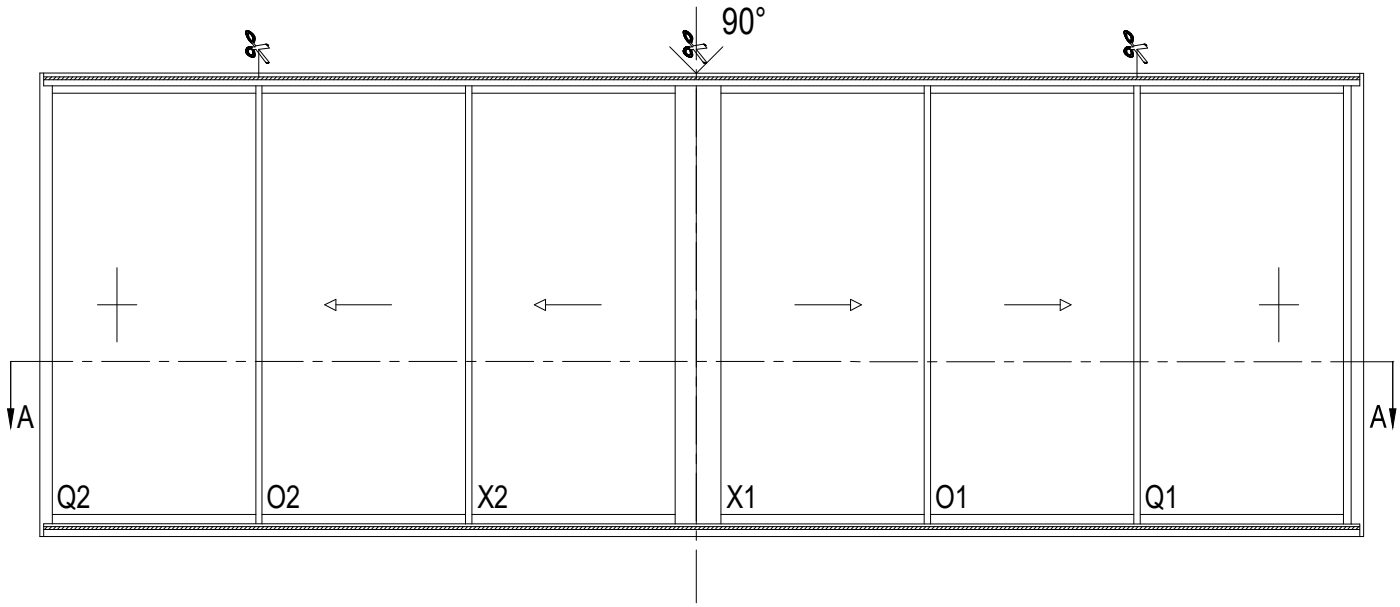


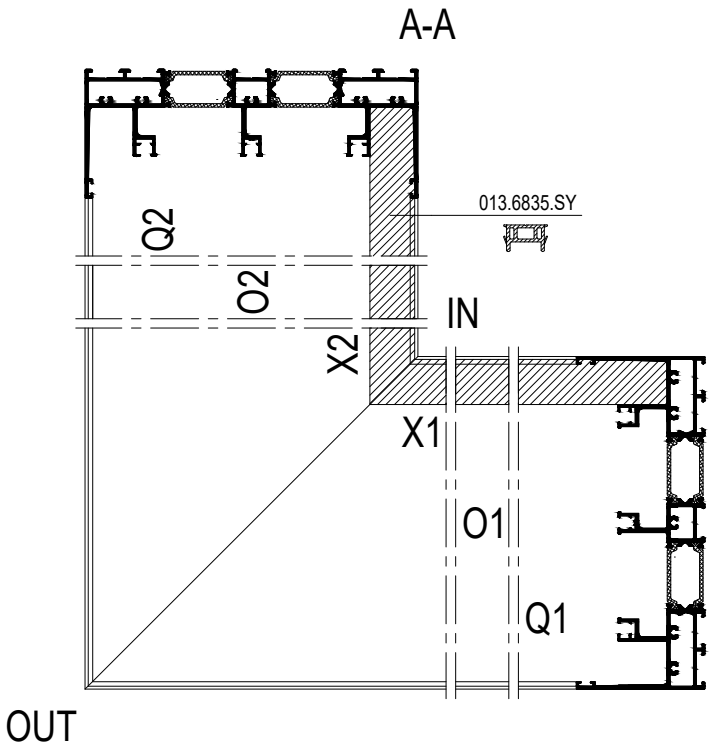


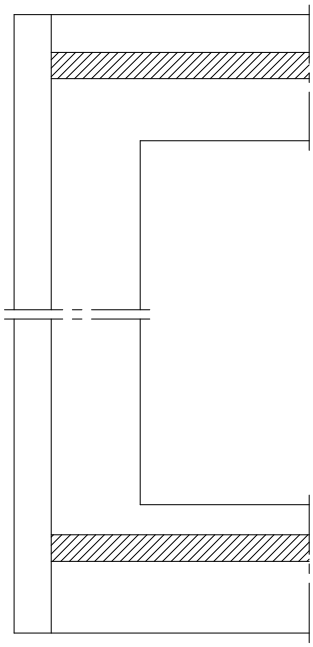
GEBRUIK SILICONESPRAY
UTILISER UN SPRAY DE SILICONE
USE SILICONE SPRAY
SILIKONSPRAY VERWENDEN

schaal - échelle
scale - Maßstab
1/2

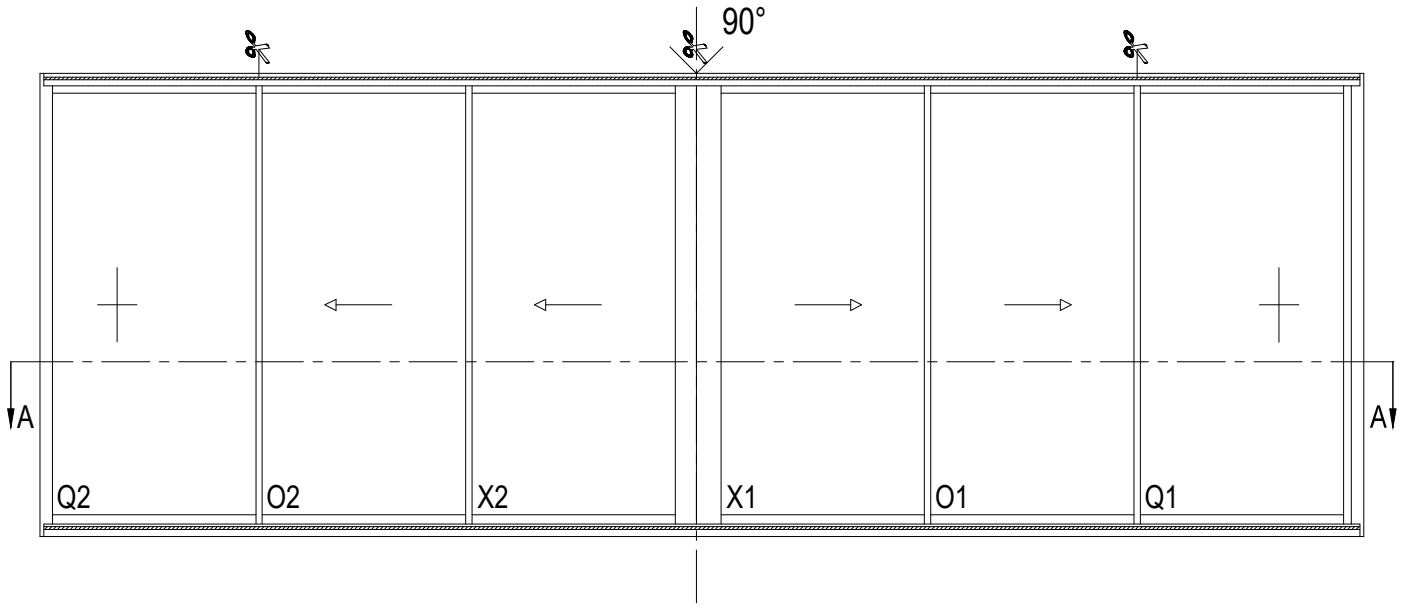
F

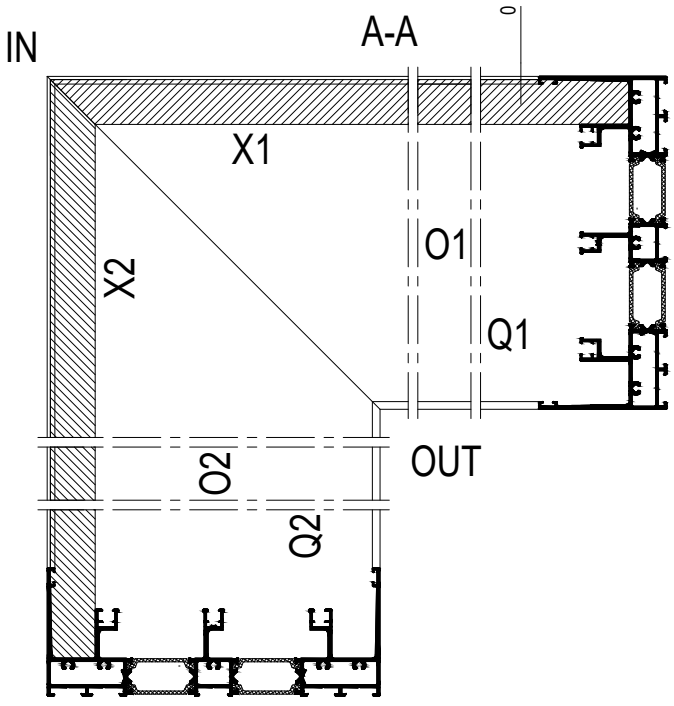


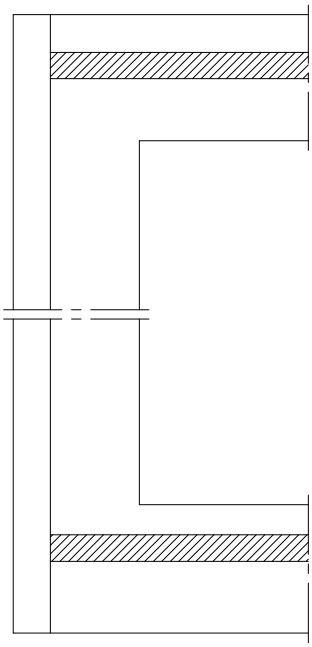




schaal - échelle
scale - Maßstab
1/2



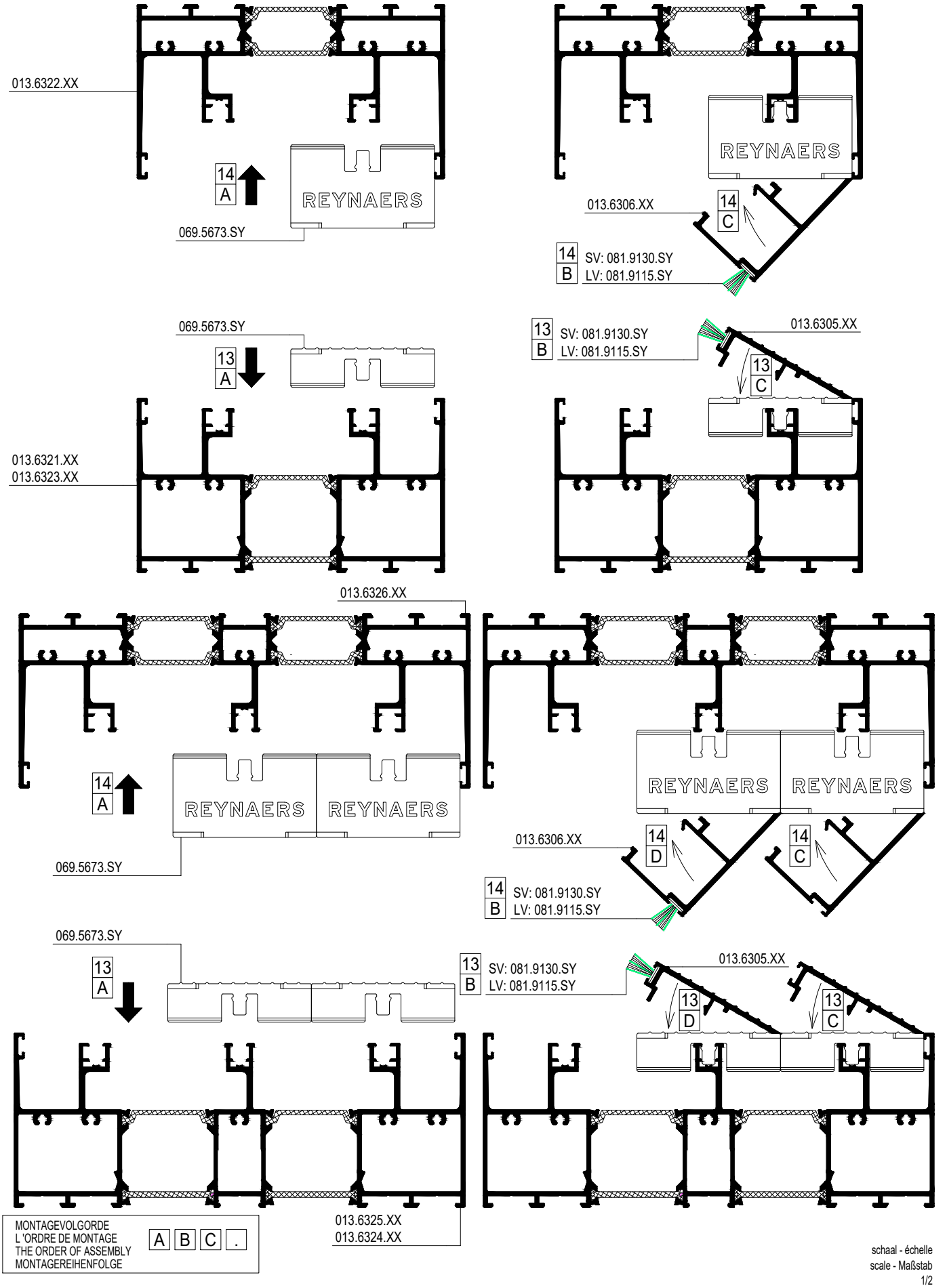




schaal - échelle
scale - Maßstab
1/2

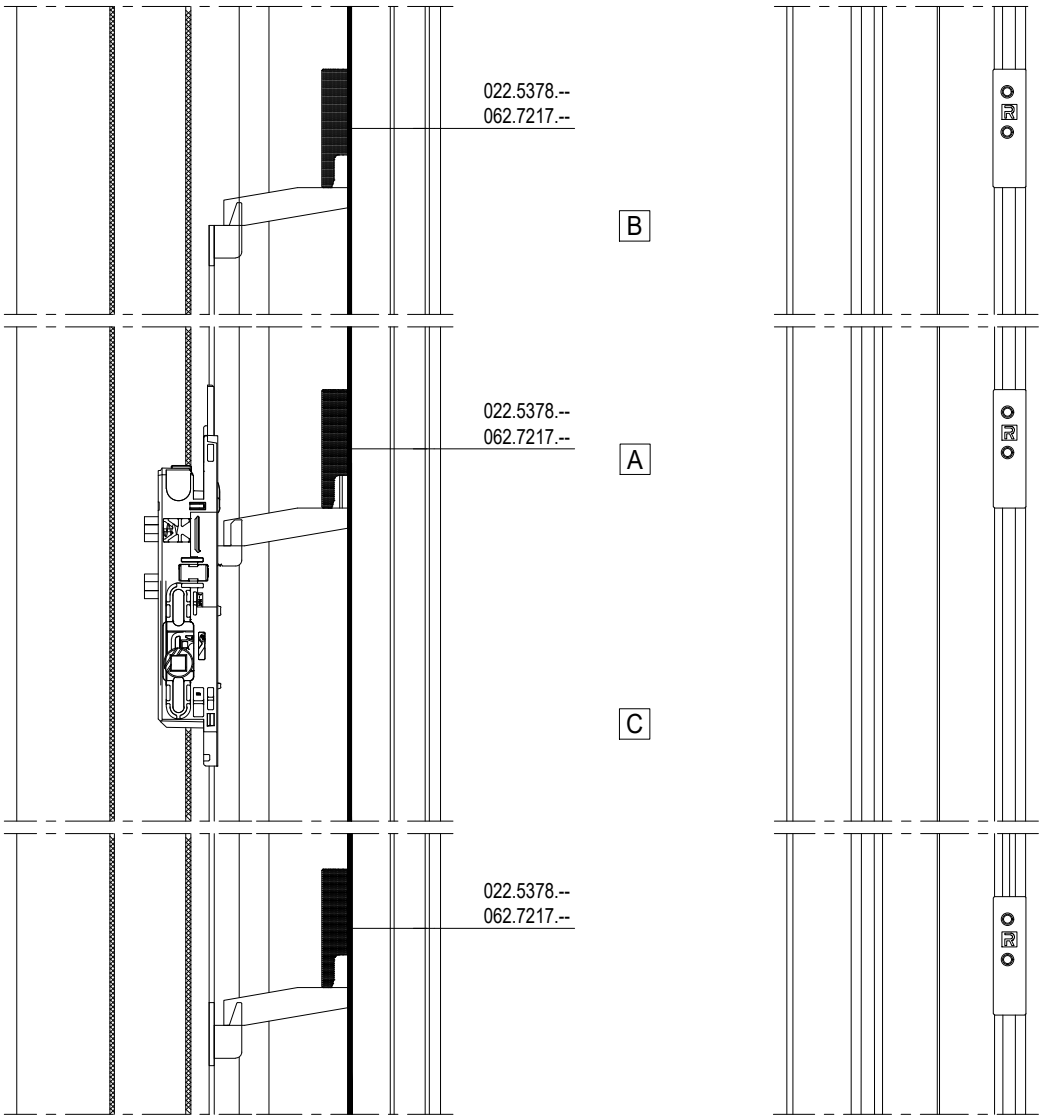
SlimPatio 68

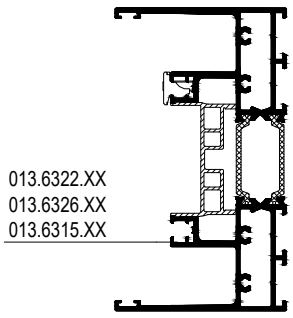
PLAATSING HORIZONTAAL AFDEKPROFIEL
PLACEMENT PROFILE DE RECOUVREMENT HORIZONTAL
PLACEMENT HORIZONTAL COVERING PROFILE
PLATZIERUNG HORIZONTAL ABDECKPROFIL

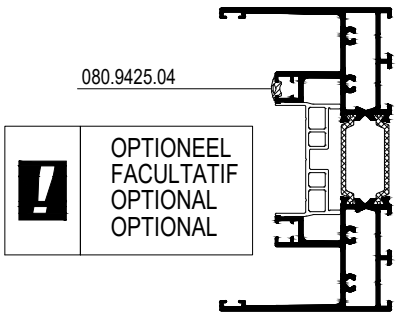


F

16







F

REGEL DE SLOTPADEN MET HET SLOT IN DE OPEN POSITIE
REGLEGE DES GACHES AVEC COULISSEAU EN POSITION OUVERTE
ADJUST RECEIVERS WITH THE LOCK IN OPEN POSITION
REGULIEREN SIE DIE SCHLIESSBLECHE MIT DAS SCHLOSS IN GEOFFNETER POSITION

schaal - échelle
scale - Maßstab
1/3

1 LIJN DE VLEUGEL UIT DOOR DE WIELEN TE REGELEN
ALIGNEMENT DU VANTAIL EN AJUSTANT LES ROULES
ALIGN THE VENT BY ADJUSTING THE WHEELS
FLEUGEL AUSRICHTEN DURCH EINSTELLEN DER RADER

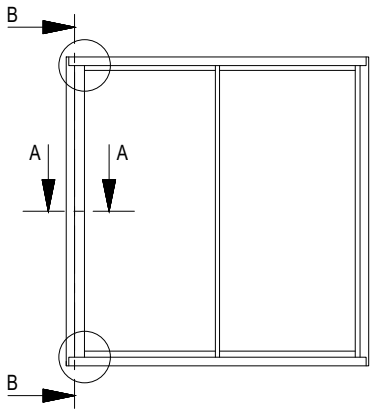
2 PLAATS DE ONDERSTE SLOTPLAAT EN STEL DEZE AF
METTRE LE GACHE INFERIEURE ET AJUSTEZ-LE
PLACE THE BOTTOM RECEIVER AND ADJUST IT
BESTATIGEN DIE UNTERE SCHLIESSPLATTE UND EINSTELLEN

3 PLAATS DE BOVENSTE SLOTPLAAT EN STEL DEZE AF
METTRE LE GACHE SUPERIEURE ET AJUSTEZ-LE
PLACE THE TOP RECEIVER AND ADJUST IT
BESTATIGEN DIE OBERE SCHLIESSPLATTE UND EINSTELLEN

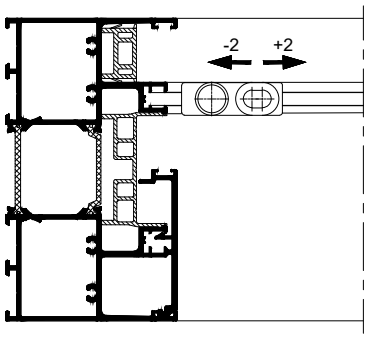
F

MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

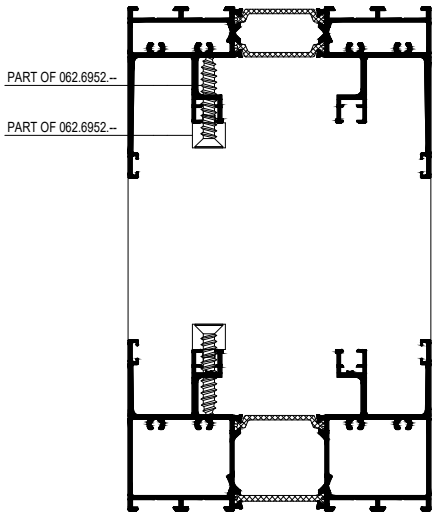
schaal - échelle
scale - Maßstab
1/2



A-A

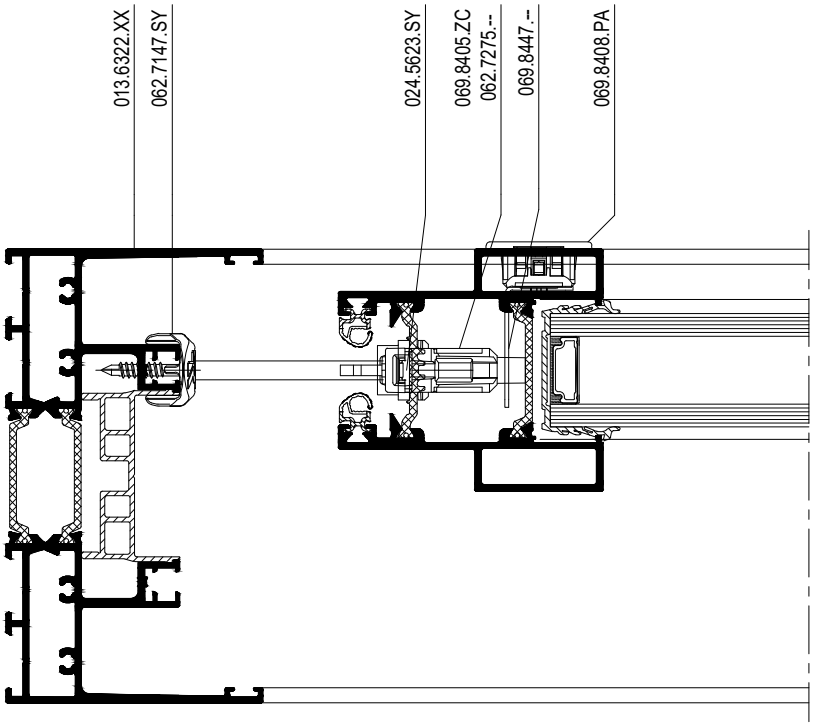


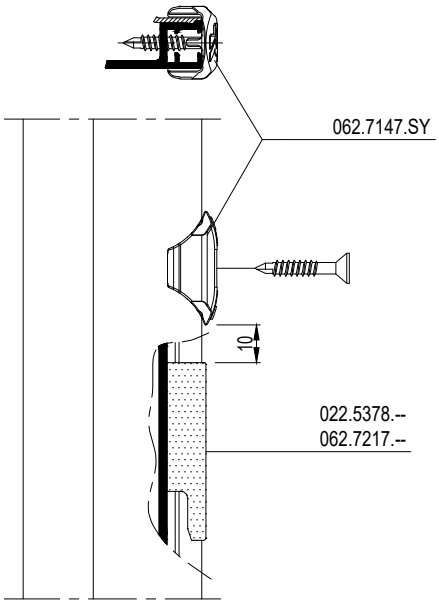
B-B



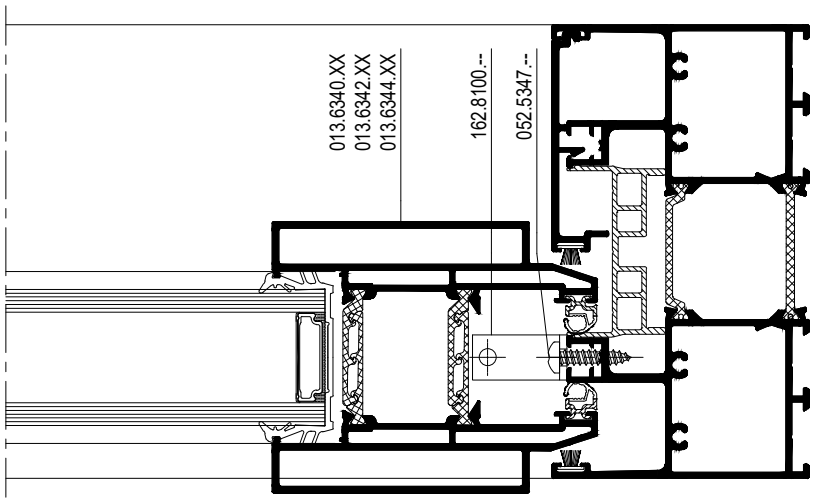
F

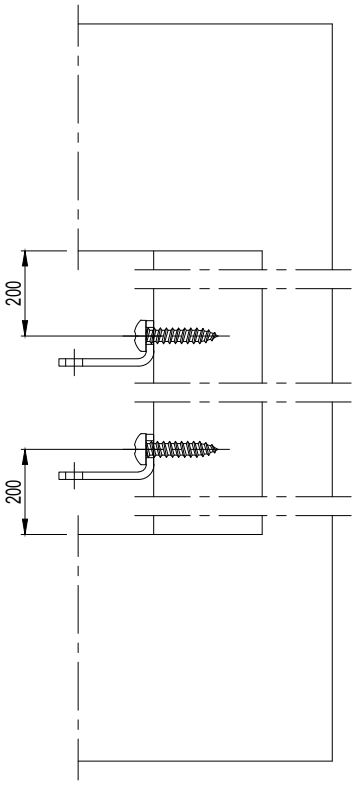
schaal - échelle
scale - Maßstab
1/3



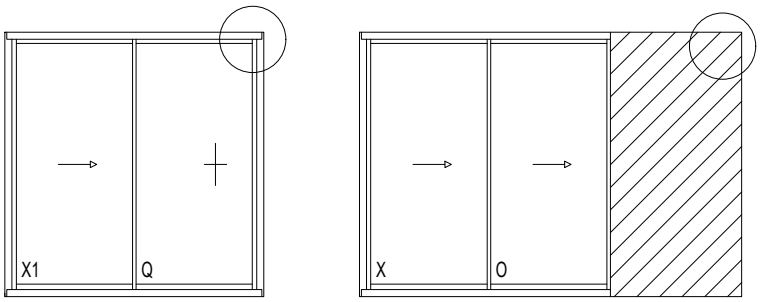


Q-VENT WITH BT PROFIL

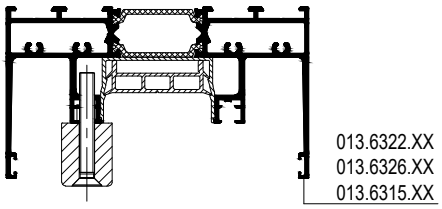


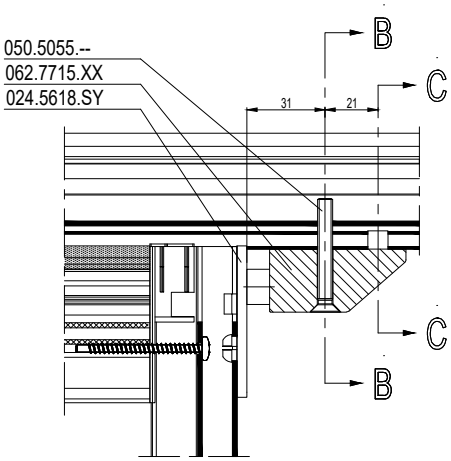


schaal - échelle
scale - Maßstab
1/2

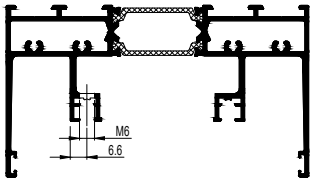


OPTIE A
OPTION A
OPTION A
MOGLICHKEIT A

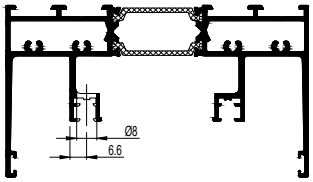




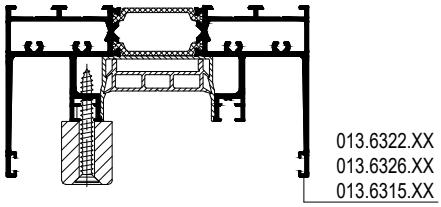
B - B

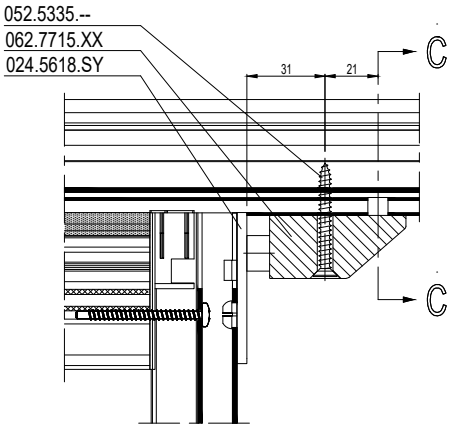


C - C

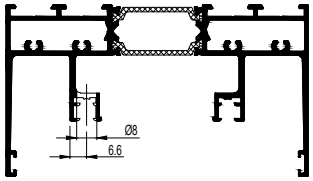


OPTIE B
OPTION B
OPTION B
MOGLICHKEIT B





C - C



schaal - échelle
scale - Maßstab
1/2

F

1 BOOR GATEN IN DE PROFIELEN 013.6332.XX EN 013.6328.XX
PERCER DES TROUS DANS LES PROFILES 013.6332.XX ET 013.6328.XX
DRILL HOLES IN THE PROFILES 013.6332.XX and 013.6328.XX
BOHREN SIE LOCHER IM PROFILEN 013.6332.XX UND 013.6328.XX

2 PLAATS BORSTEL 081.9098.07 IN PROFIEL 013.6328.XX
MONTER BROSSE 081.9098.07 DANS LE PROFILE 013.6328.XX
PLACE BRUSH 081.9098.07 IN PROFILE 013.6328.XX
MONTIEREN SIE BURSTE 081.9098.07 IN PROFILE 013.6328.XX

3 SCHROEF DE PROFIELEN 013.6328.XX EN 013.6332.XX OP DE WAND
VISSER LES PROFILES 013.6328.XX ET 013.6332.XX SUR LE MUR
SCREW PROFILES 013.6328.XX AND 013.6332.XX TO THE WALL
SCHRAUBEN SIE DIE PROFILEN 013.6328.XX UND 013.6332.XX AUF DER WAND

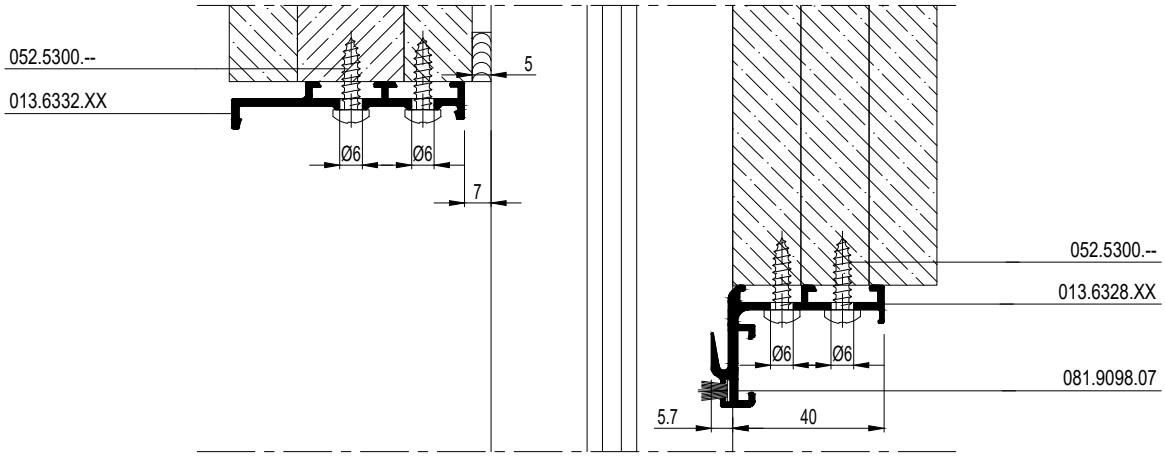
4 KLIK 069.8422.04 IN PROFIEL 013.6328.XX
CLIP 069.8422.04 DANS LE PROFILE 013.6328.XX
CLIP 069.8422.04 IN PROFILE 013.6328.XX
CLIP 069.8422.04 IN PROFILE 013.6328.XX

5 KLIK PROFIEL 013.6333.XX OP PROFIEL 013.6328.XX
CLIP PROFILE 013.6333.XX SUR PROFILE 013.6328.XX
CLIP PROFILE 013.6333.XX ON PROFILE 013.6328.XX
CLIP PROFILE 013.6333.XX AUF PROFILE 013.6328.XX

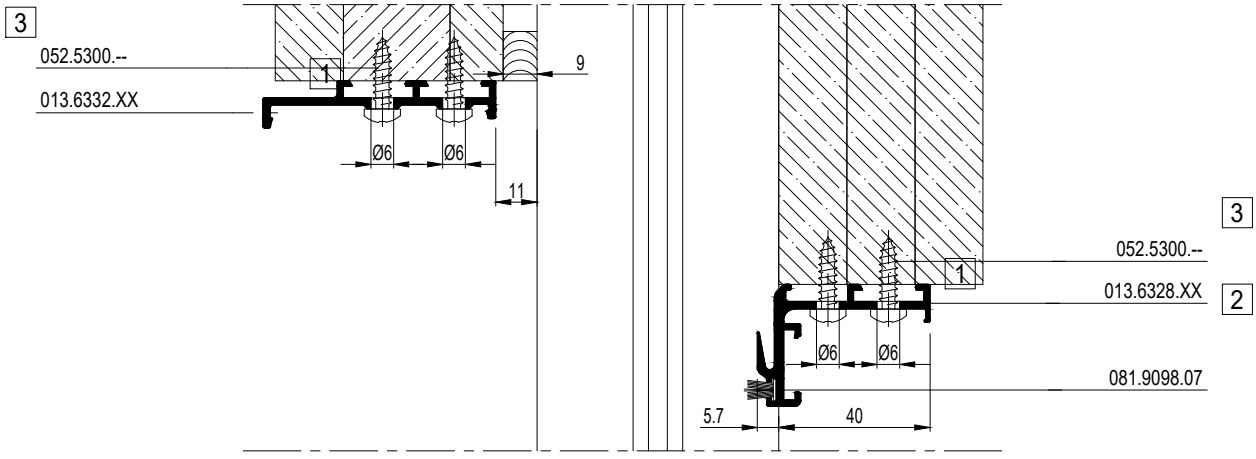
6 PLAATS BORSTELS 081.9130.SY IN PROFIEL 013.6330.XX/013.6331.XX
MONTER BROSSES 081.9130.SY DANS LE PROFILE 013.6330.XX/013.6331.XX
PLACE BRUSHES 081.9130.SY IN PROFILE 013.6330.XX/013.6331.XX
MONTIEREN SIE DIE BURSTE 081.9130.SY IM PROFILE 013.6330.XX/013.6331.XX

7 KLIK PROFIEL 013.6330.XX/013.6331.XX OP PROFIEL 013.6332.XX
CLIP PROFILE 013.6330.XX/013.6331.XX SUR PROFILE 013.6332.XX
CLIP PROFILE 013.6330.XX/013.6331.XX ON PROFILE 013.6332.XX
CLIP PROFILE 013.6330.XX/013.6331.XX AUF PROFILE 013.6332.XX

SV

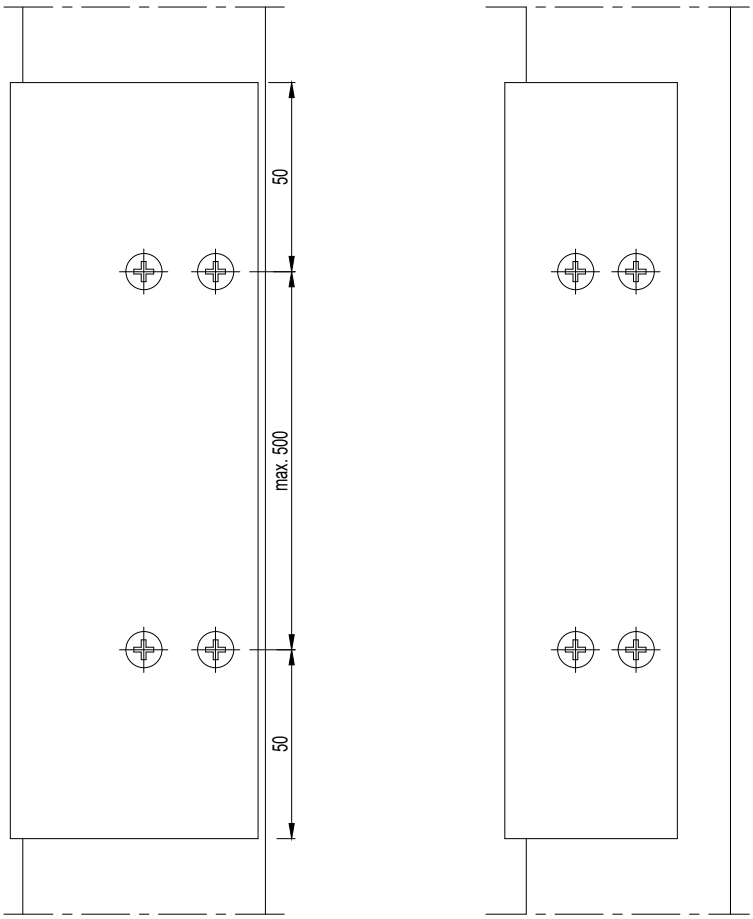


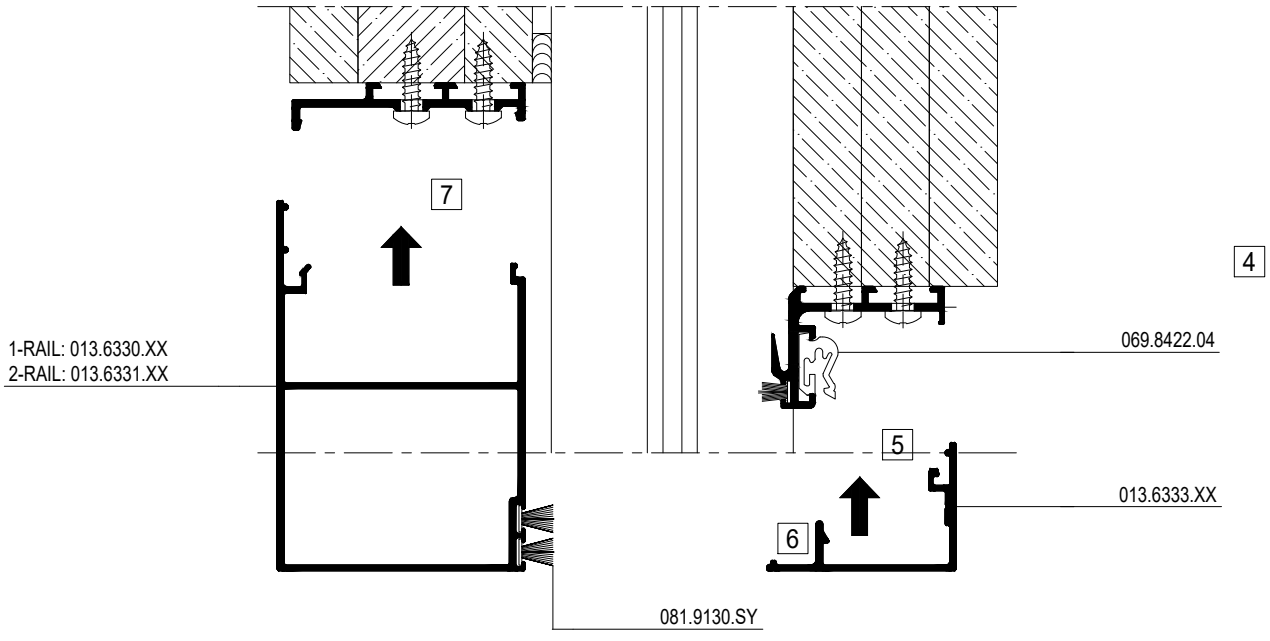
LV



MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

schaal - échelle
scale - Maßstab
1/2



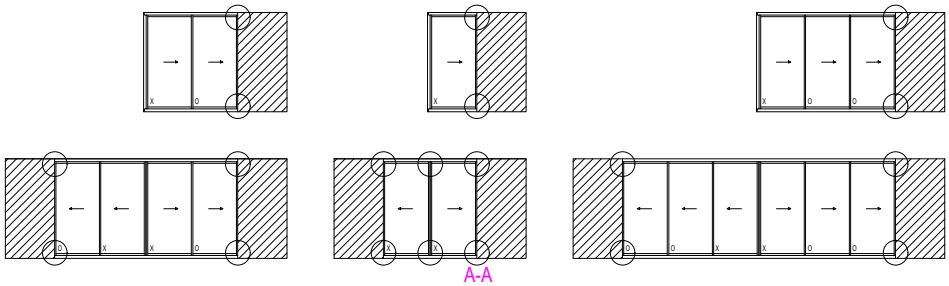


schaal - échelle
scale - Maßstab
1/2

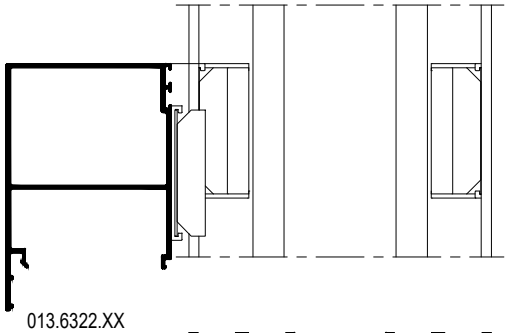
F

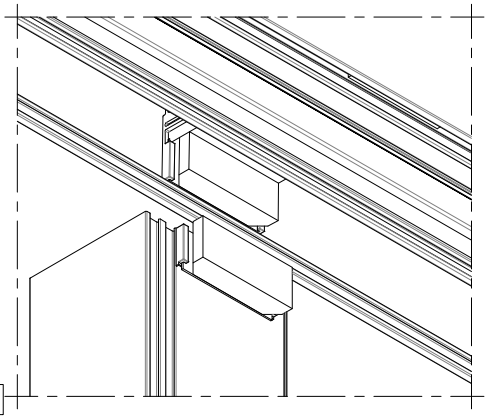
SlimPatio 68

PLAATSING BORSTELS POCKET SECTIE
PLACEMENT BROSSES POCKET SECTION
PLACEMENT BRUSHES POCKET SECTION
PLATZIERUNG BURSTEN POCKET SEKTION

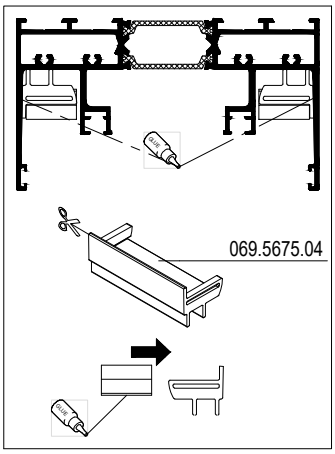


A-A





LV



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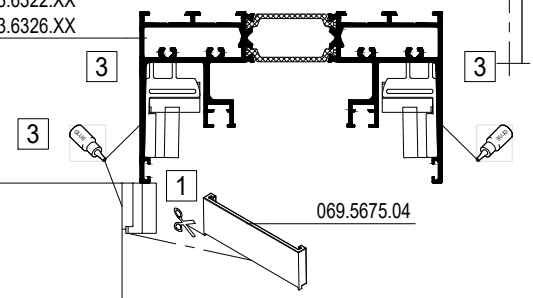
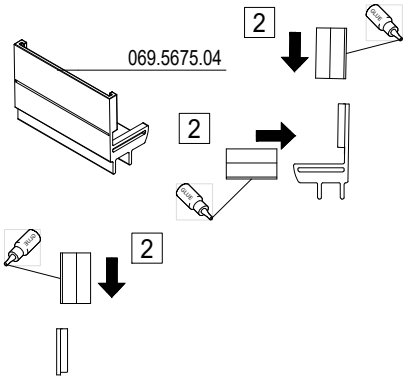
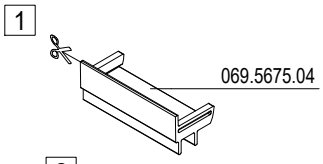
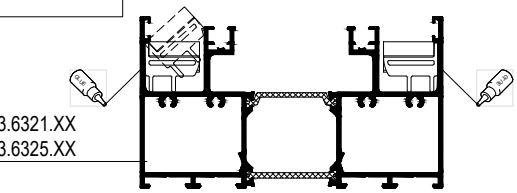
013.6326.XX





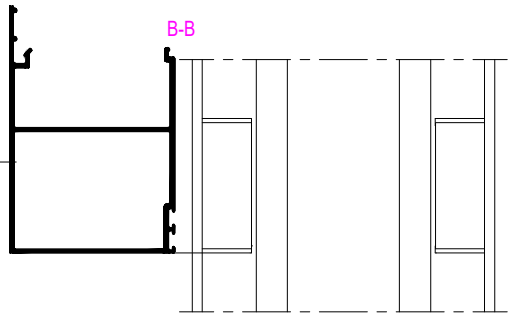
A
A
B
B





013.6321.XX
013.6325.XX

B-B



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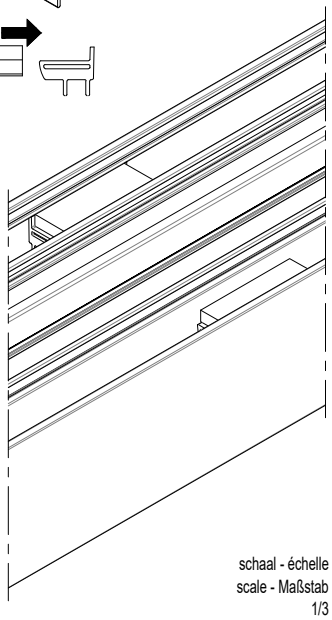


MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

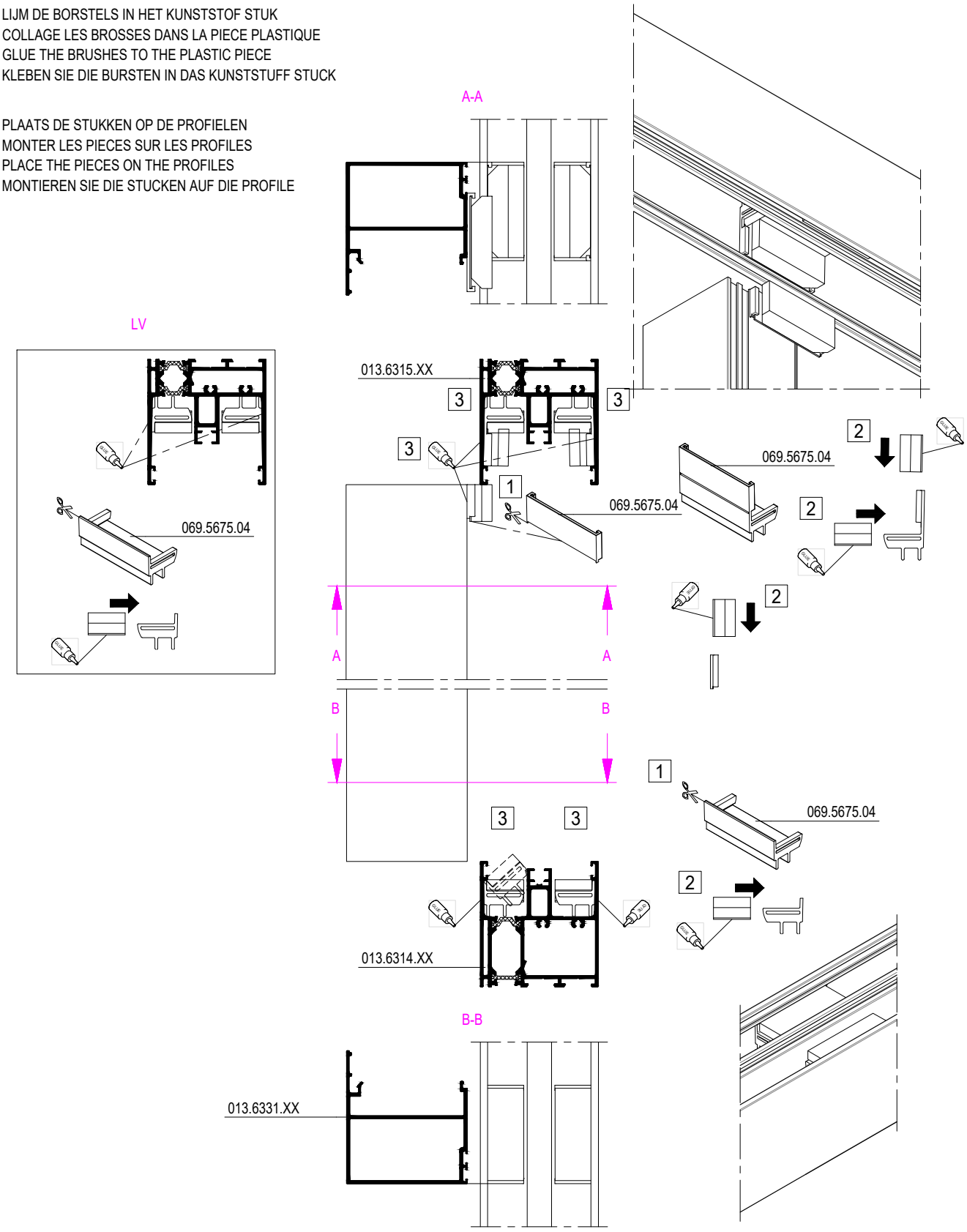
schaal - échelle
scale - Maßstab
1/3

F

1 SNIJD 069.5675.04
COUPE 069.5675.04
CUT 069.5675.04
SCHNEIDEN SIE 069.5675.04

2 LIJM DE BORSTELS IN HET KUNSTSTOF STUK
COLLAGE LES BROSSES DANS LA PIECE PLASTIQUE
GLUE THE BRUSHES TO THE PLASTIC PIECE
KLEBEN SIE DIE BURSTEN IN DAS KUNSTSTUFF STUCK

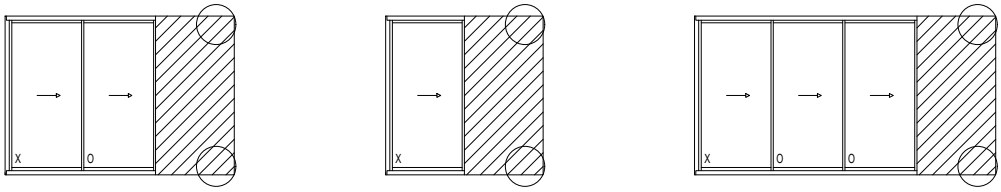
3 PLAATS DE STUKKEN OP DE PROFIELEN
MONTER LES PIECES SUR LES PROFILES
PLACE THE PIECES ON THE PROFILES
MONTIEREN SIE DIE STUCKEN AUF DIE PROFILE

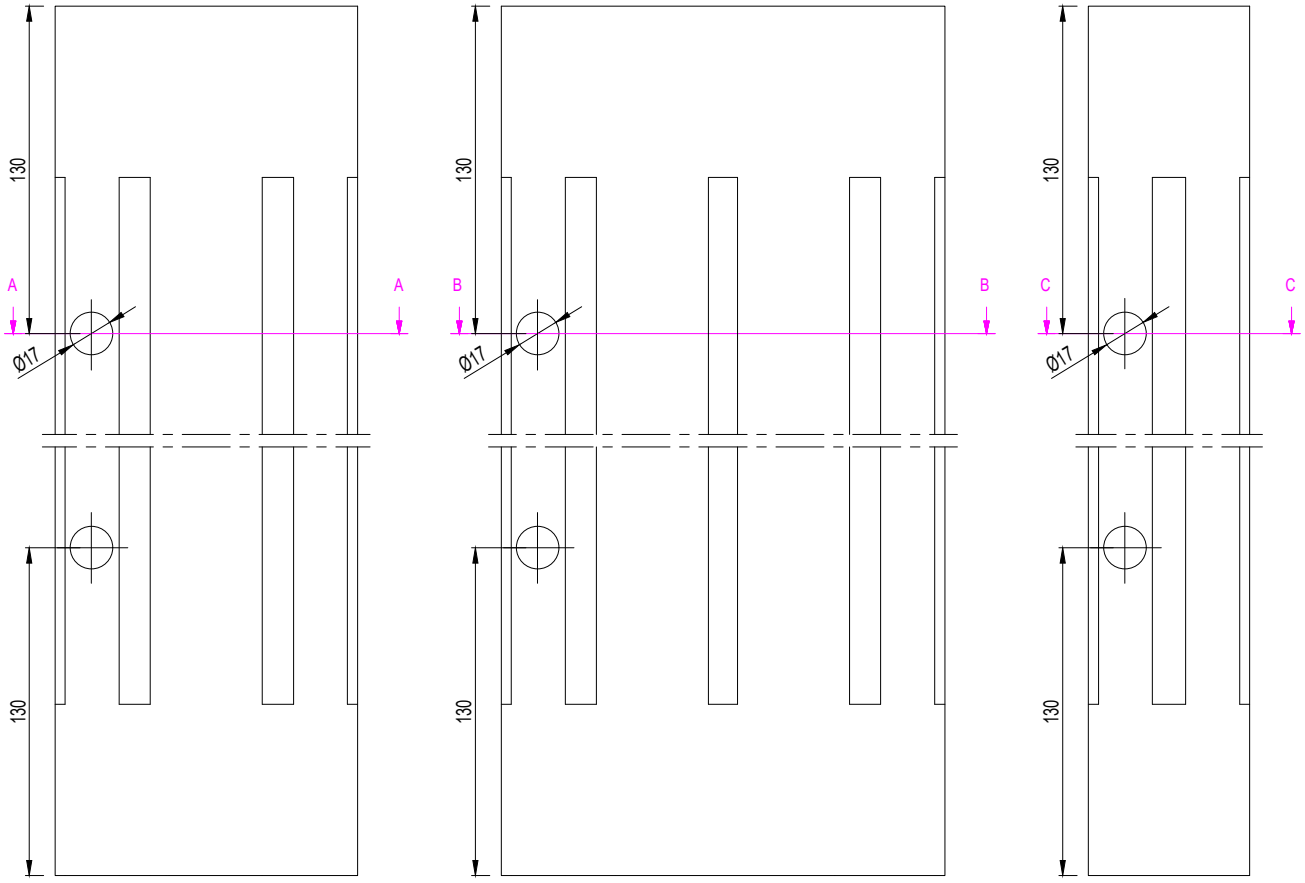


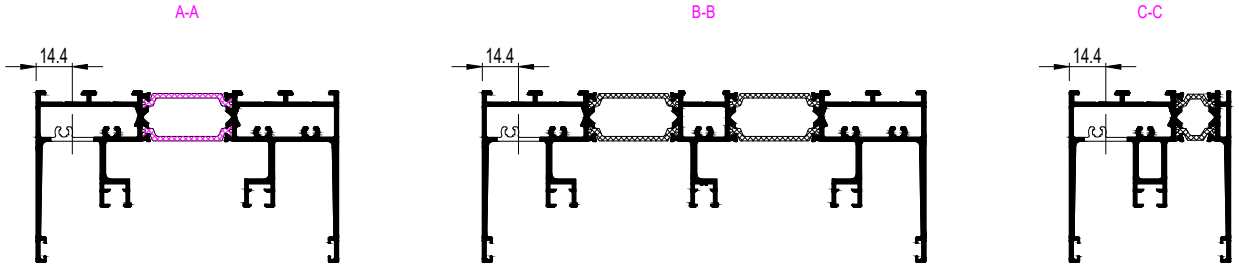
MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

schaal - échelle
scale - Maßstab
1/3

F





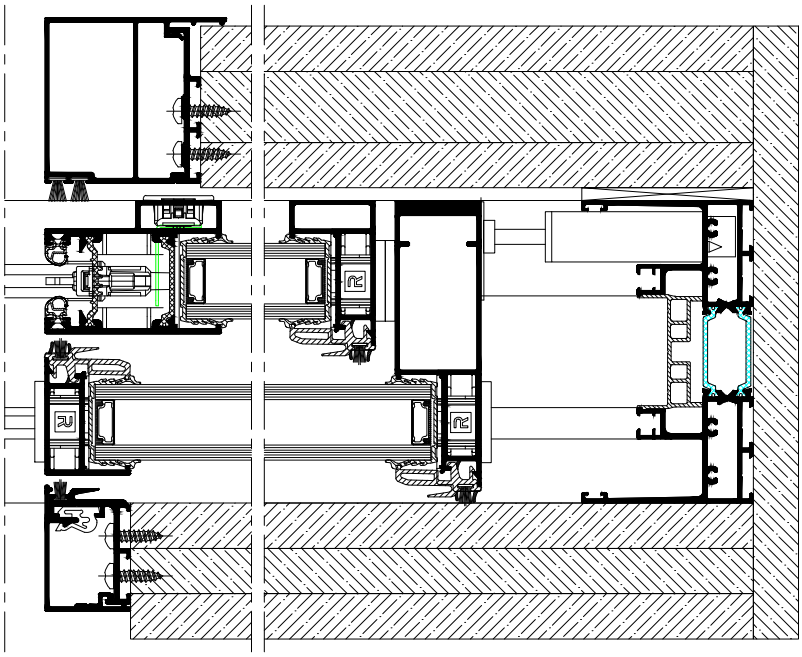


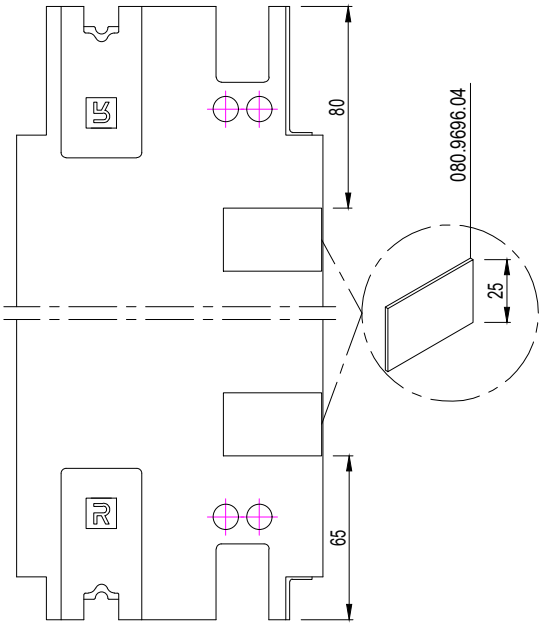
F

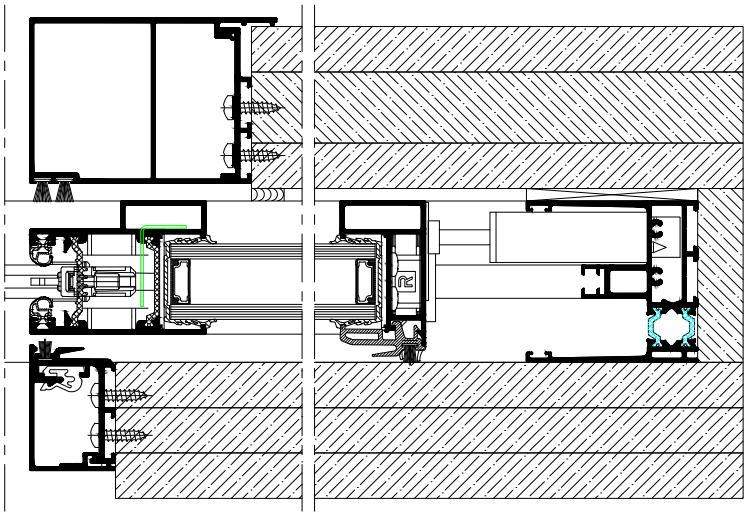
schaal - échelle
scale - Maßstab
1/3

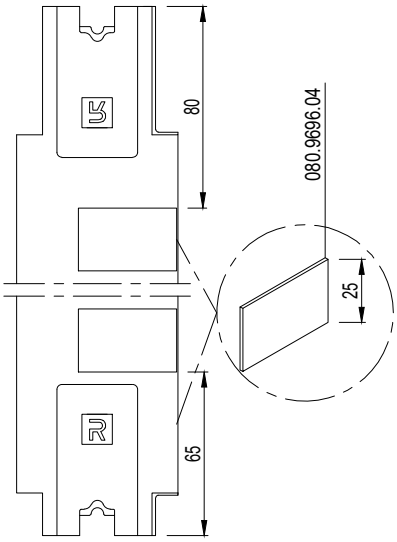
F

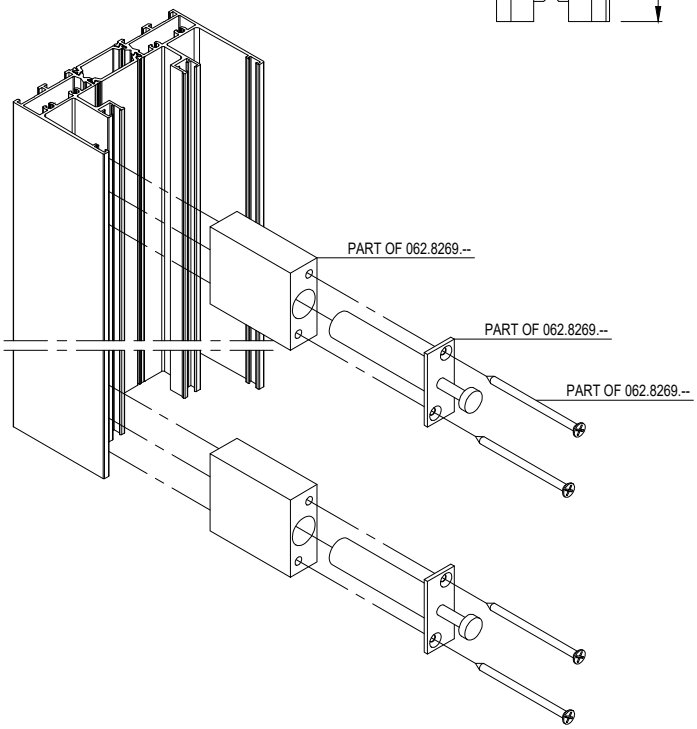
schaal - échelle
scale - Maßstab
1/3





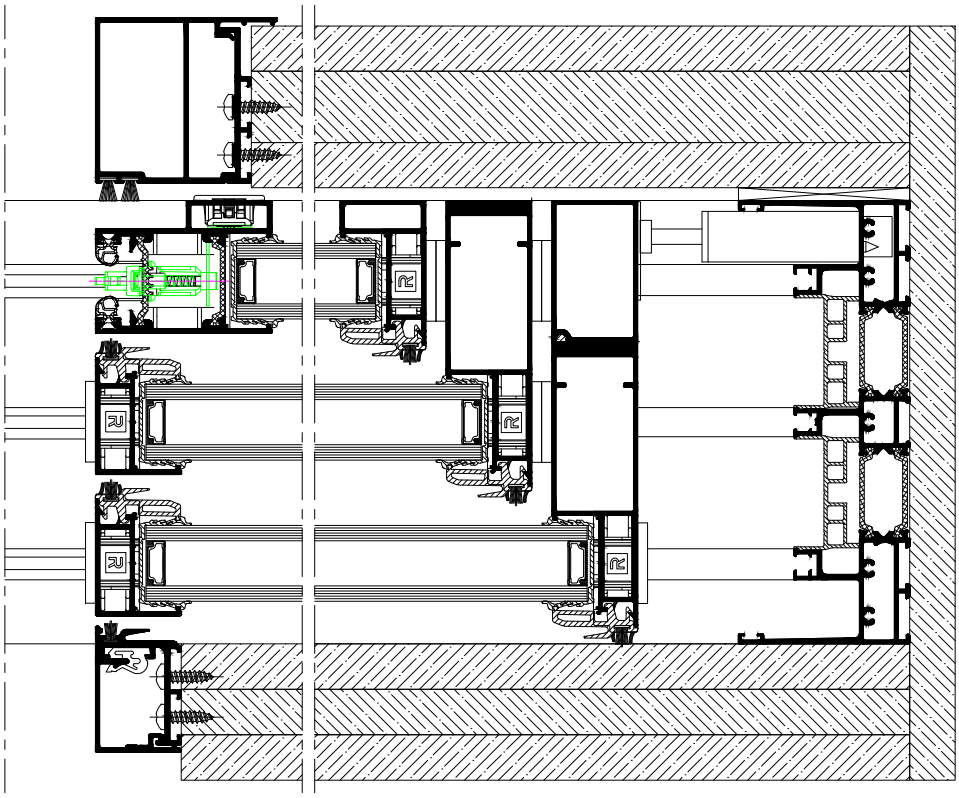


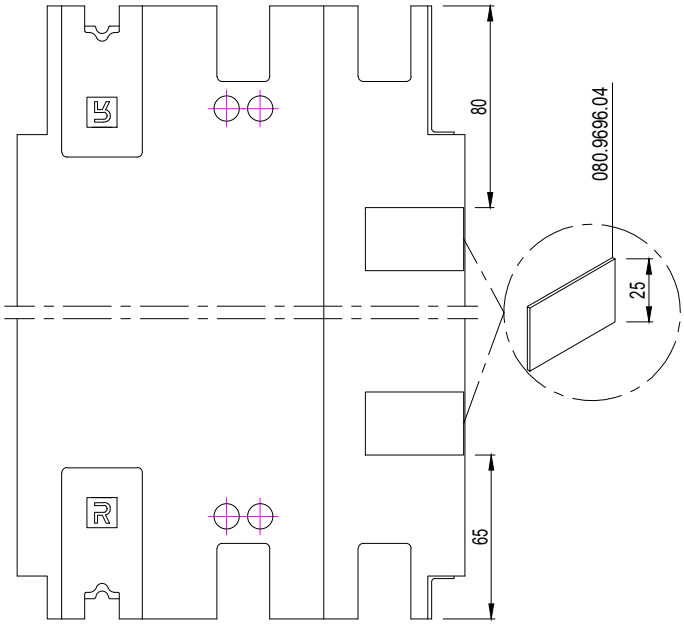




schaal - échelle
scale - Maßstab
1/2

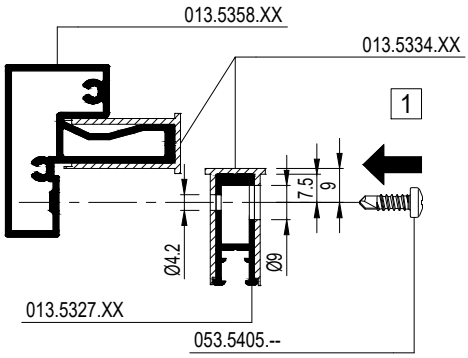
F

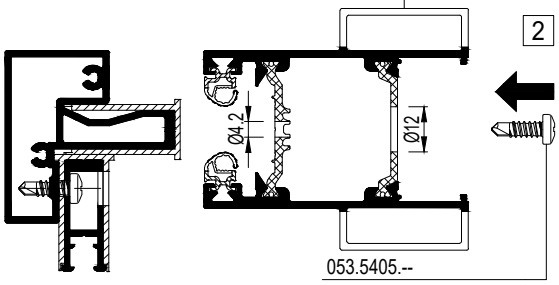


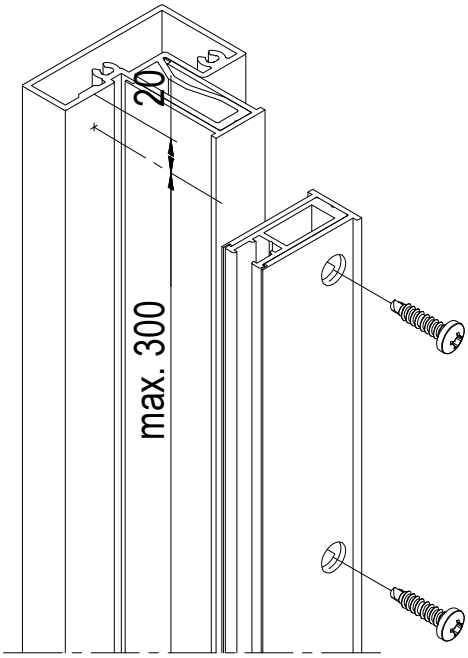


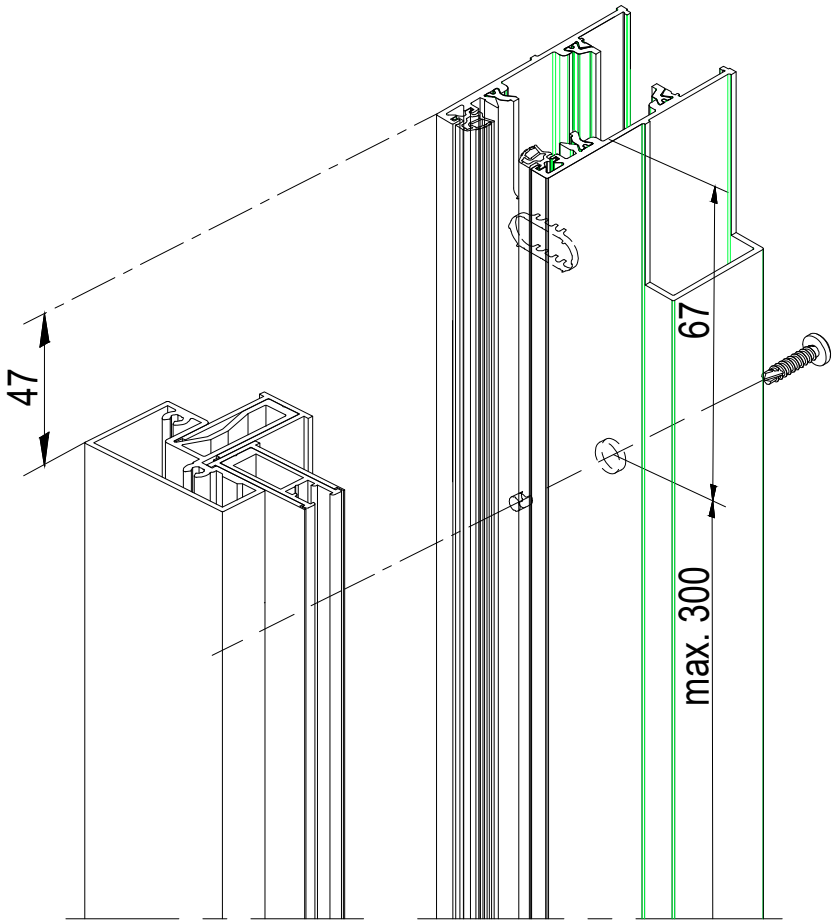
schaal - échelle
scale - Maßstab
1/2

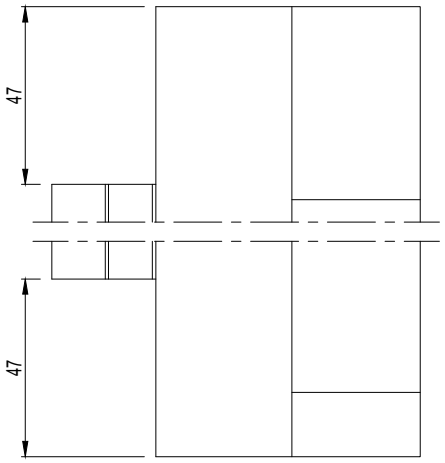
SV: 013.6300.XX LV: 013.6310.XX
013.6301.XX 013.6311.XX
013.6400.XX 013.6410.XX
013.6401.XX 013.6411.XX







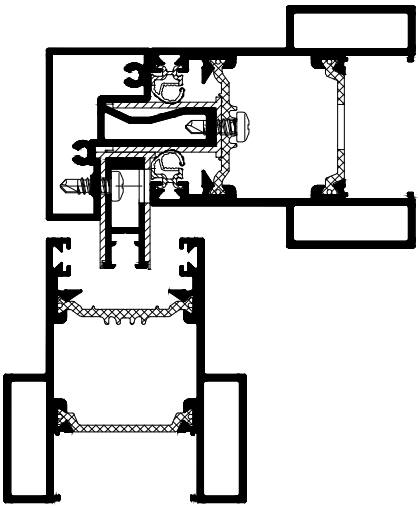


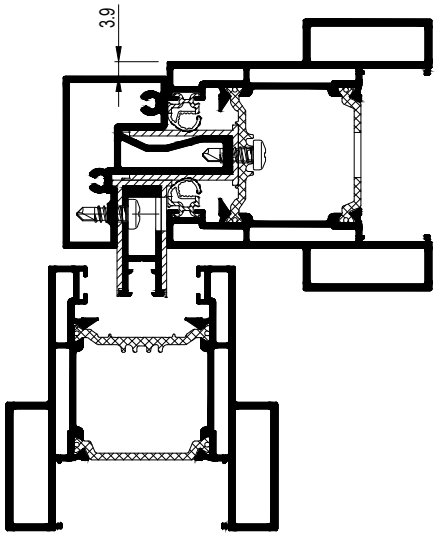


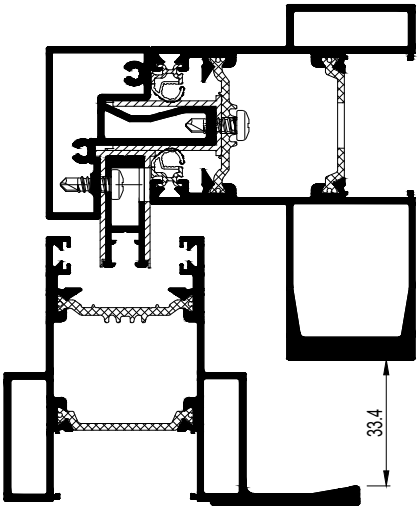
MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

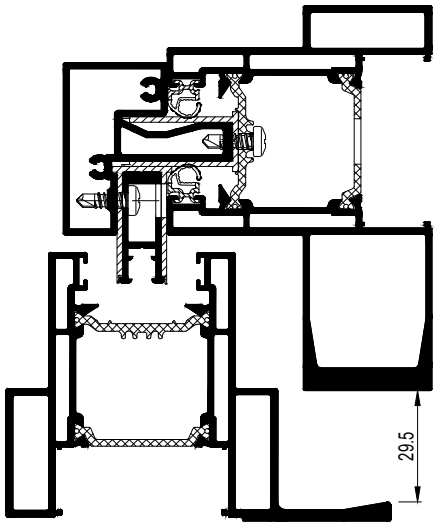
schaal - échelle
scale - Maßstab
1/2

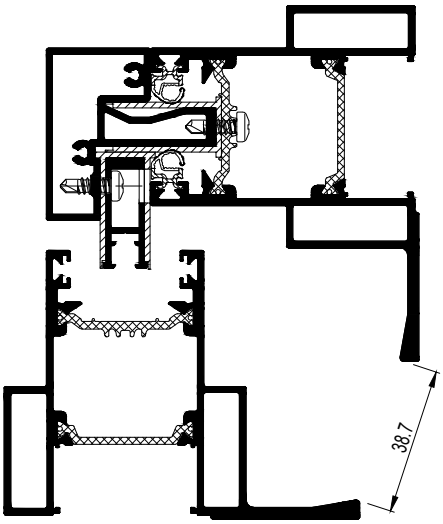
F

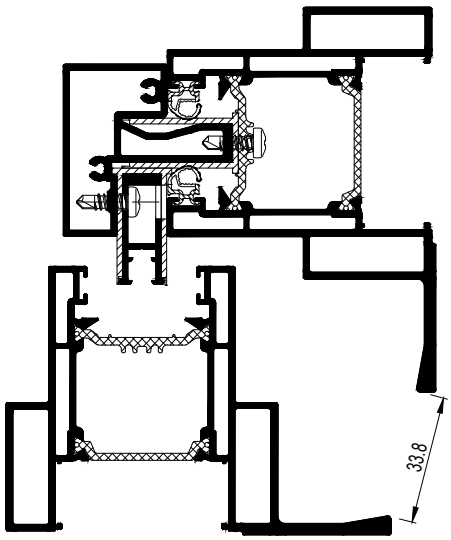








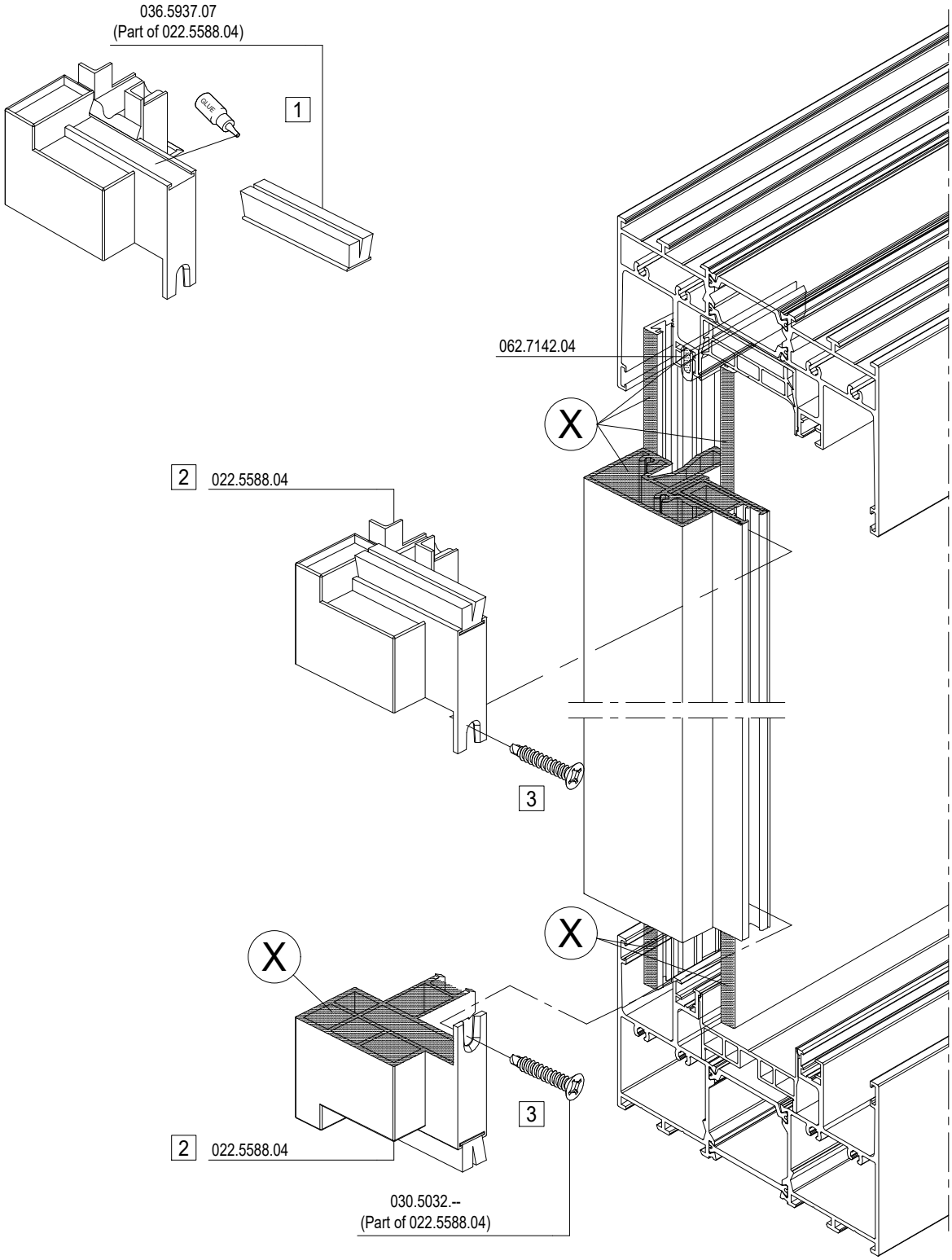




schaal - échelle
scale - Maßstab
1/2

F

PLAATS BOVENSTE EINDSTUK NA PLAATSING VLEUGEL
MONTER PIECE FINALE SUPERIEUR APRES PLACEMNT OUVRANTS
MONTIEREN SIE OBERE ENDSTUECK NACH PLATZIERUNG FLUEGELS
PLACE UPPER END PIECE AFTER PLACEMENT OF VENTS



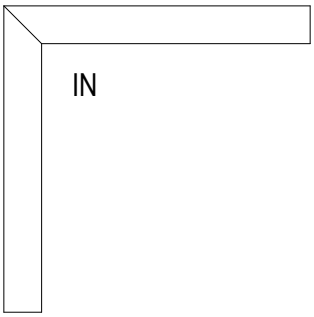
MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

schaal - échelle
scale - Maßstab
1/2

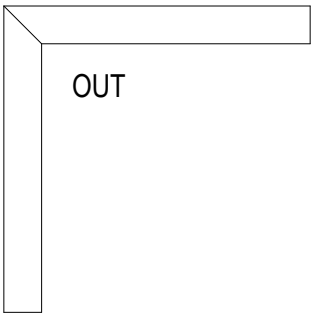
F

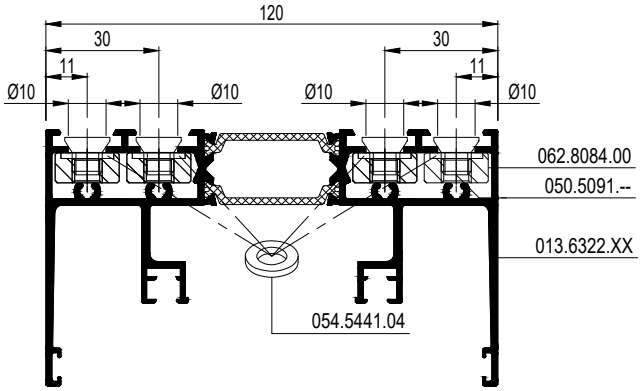
schaal - échelle
scale - Maßstab
1/2

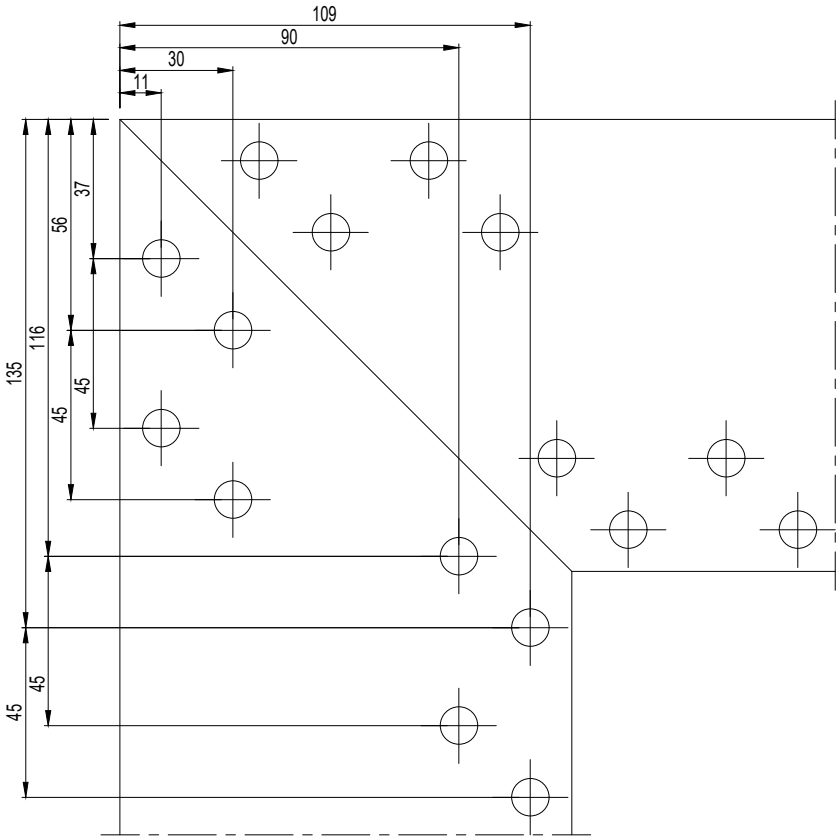
OUT

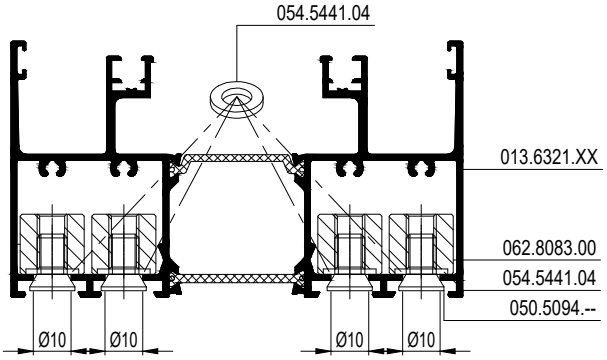


IN





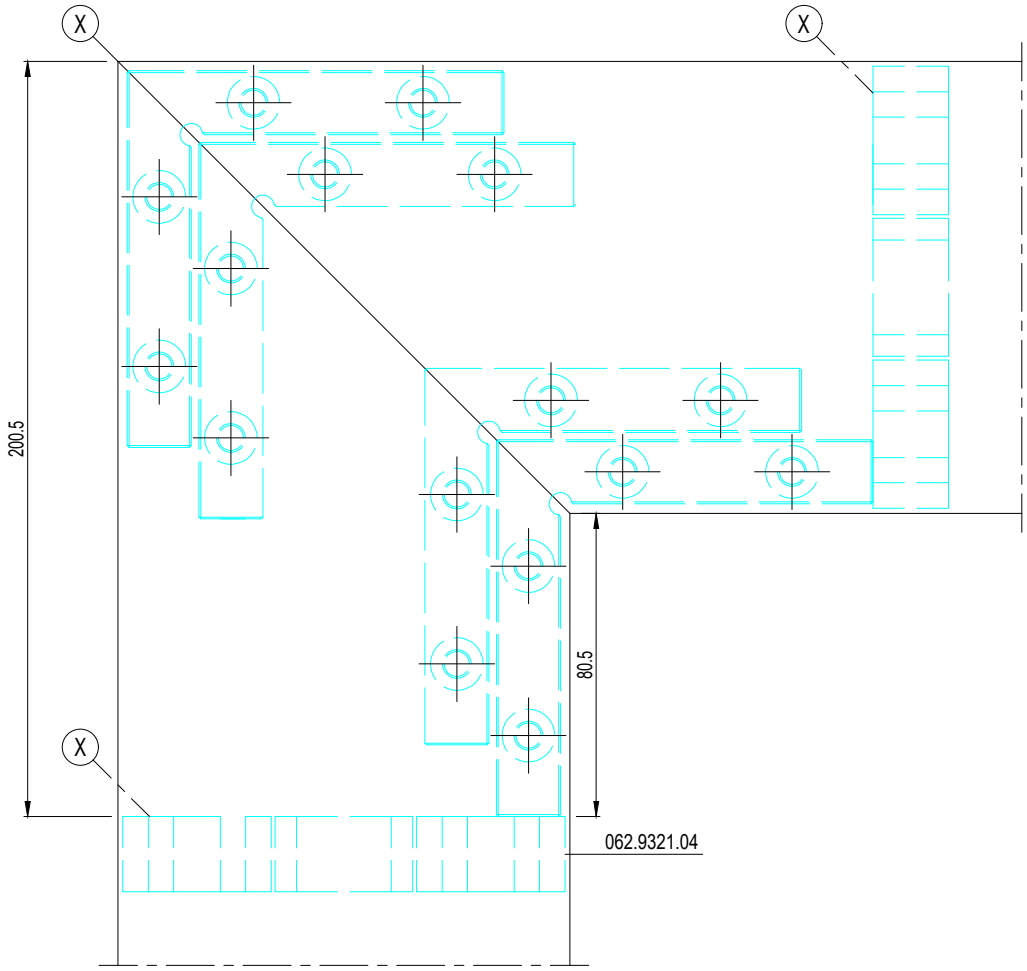




schaal - échelle
scale - Maßstab
1/2

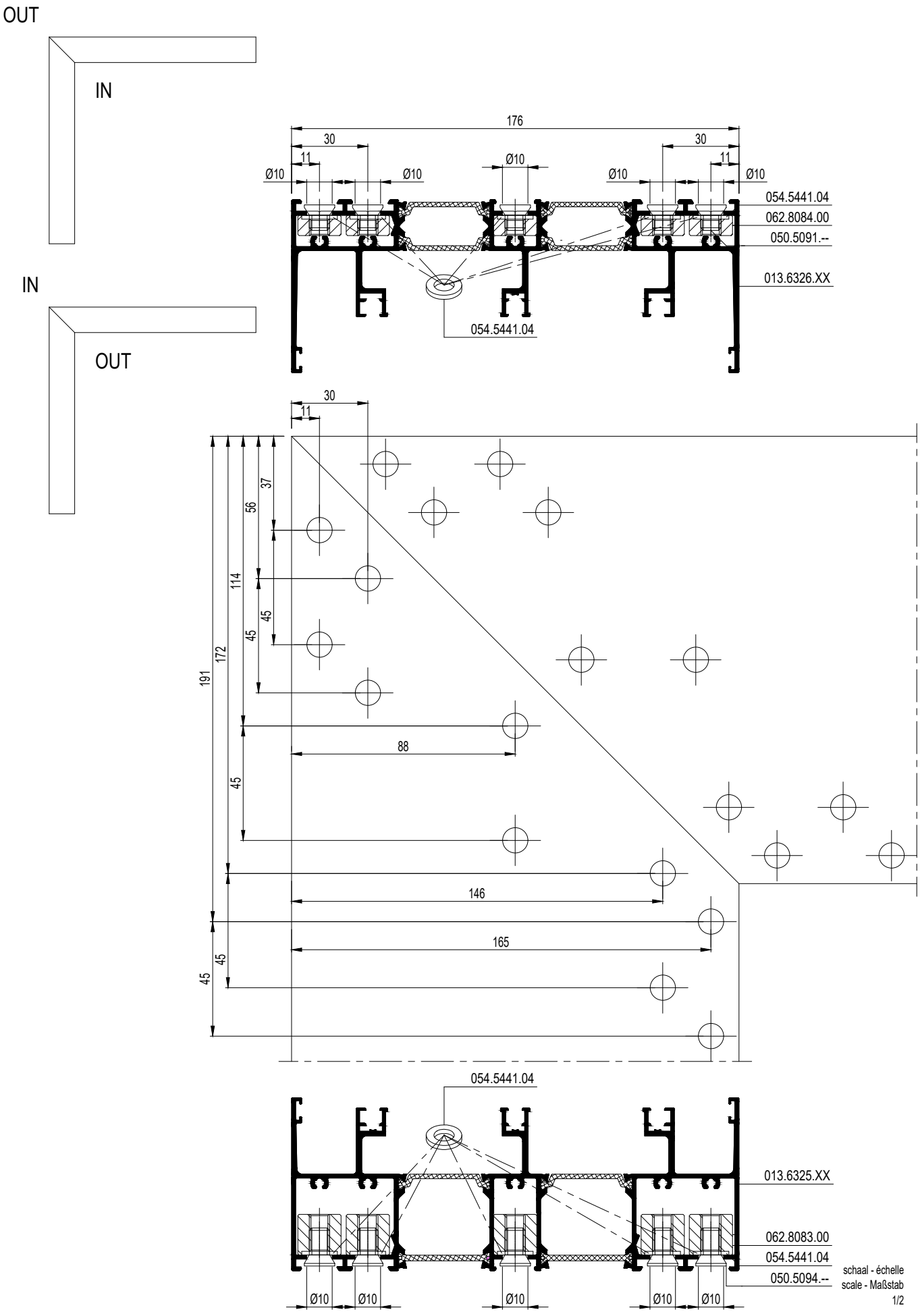
F

!	SILICONE AANBRENGEN OM LEKKEN BIJ DE KOPPELING TE VOORKOMEN APPLIQUER DE SILICONE POUR EVITER LES FUITES A L'ACCOUPPLEMENT APPLY SILICONE TO PREVENT LEAKAGE AT THE COUPLING SILIKON ANWENDEN ZUR VERHINDERUNG VON LECKAGEN AN DER KUPPLUNG



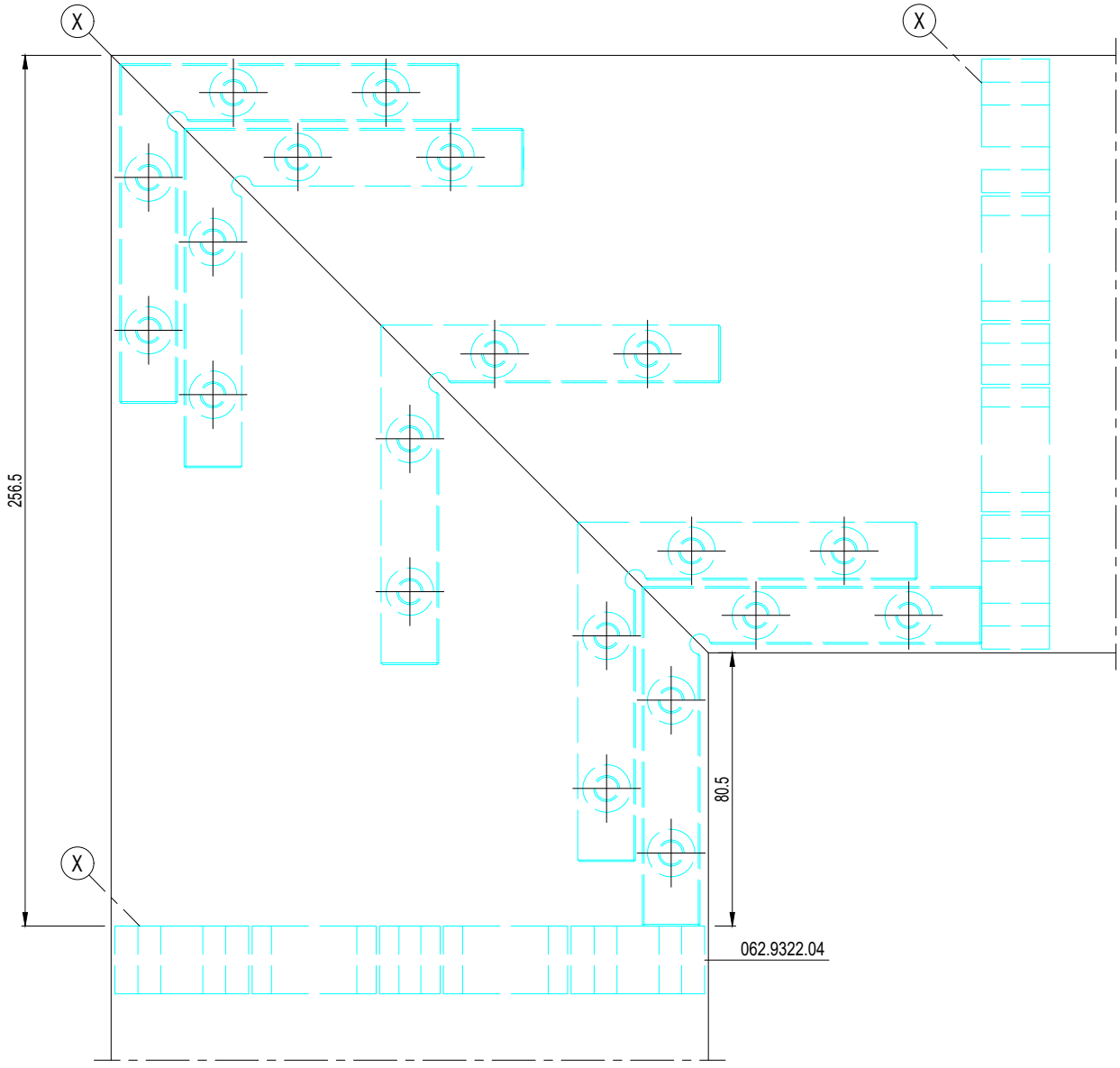
F

schaal - échelle
scale - Maßstab
1/2



schaal - échelle
scale - Maßstab
1/2

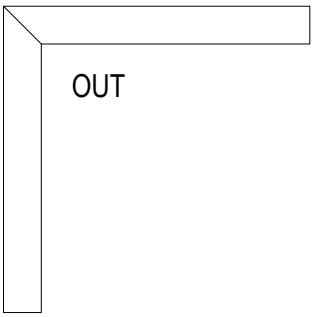
!	SILICONE AANBRENGEN OM LEKKEN BIJ DE KOPPELING TE VOORKOMEN APPLIQUER DE SILICONE POUR EVITER LES FUITES A L'ACCOUPPLEMENT APPLY SILICONE TO PREVENT LEAKAGE AT THE COUPLING SILIKON ANWENDEN ZUR VERHINDERUNG VON LECKAGEN AN DER KUPPLUNG

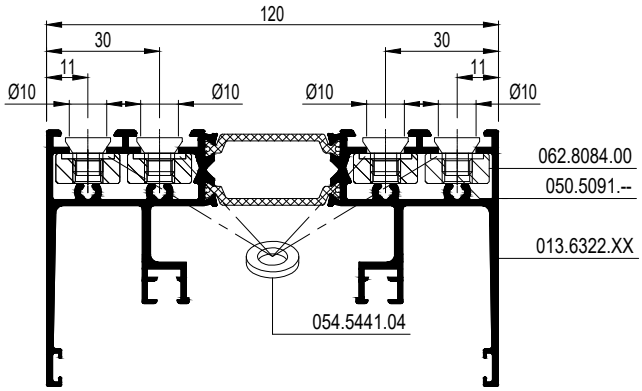


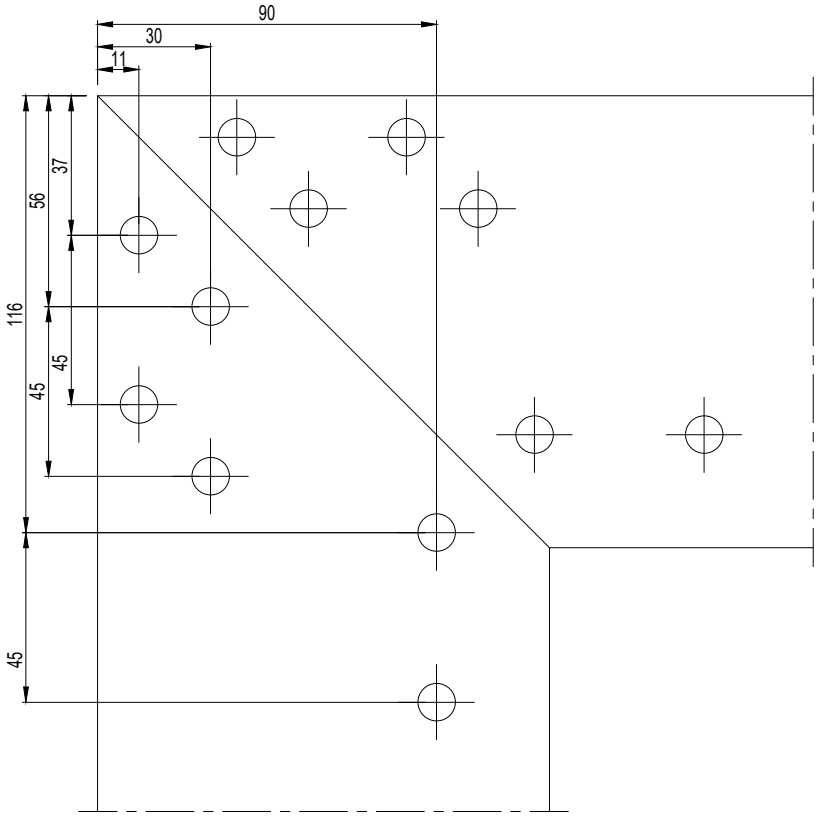
schaal - échelle
scale - Maßstab
1/2

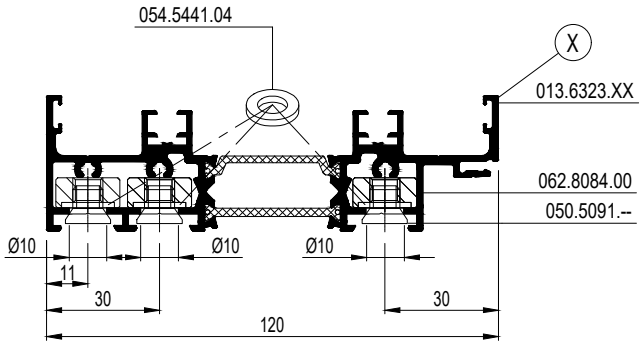
F

IN





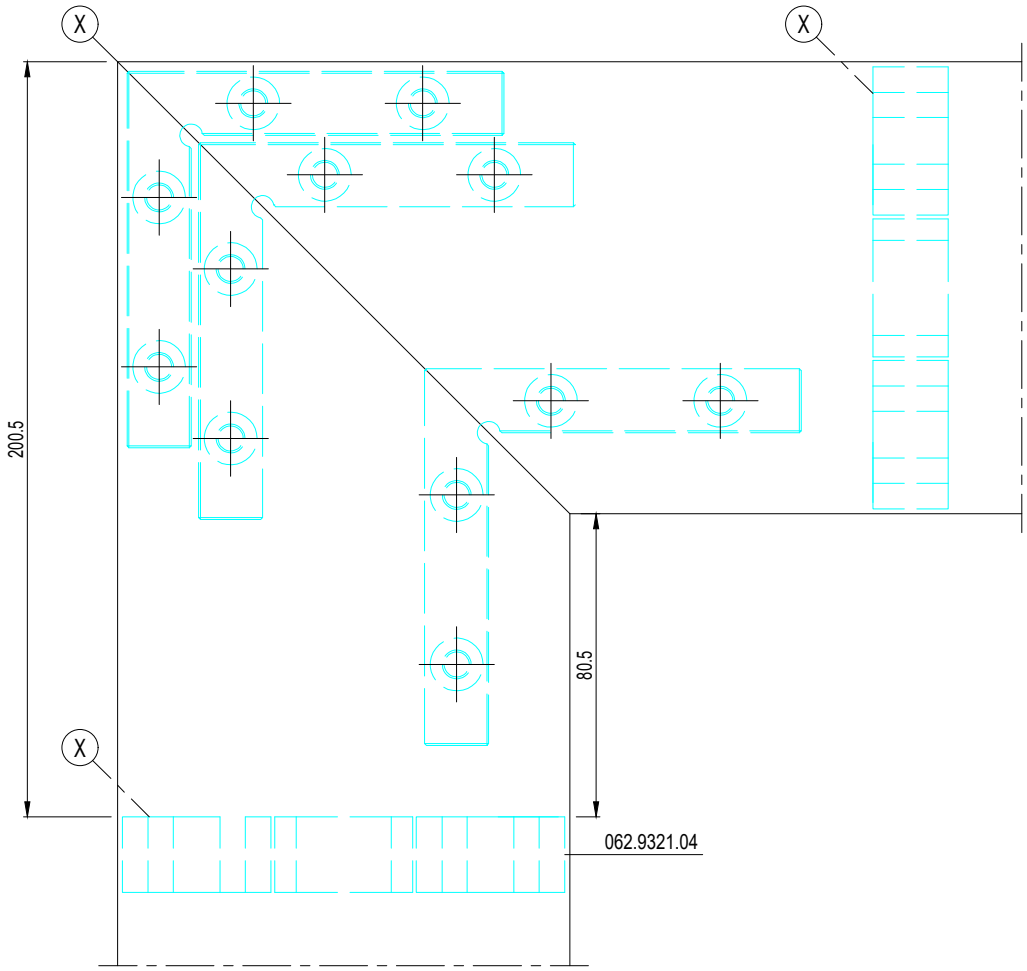




schaal - échelle
scale - Maßstab
1/2

F

!	SILICONE AANBRENGEN OM LEKKEN BIJ DE KOPPELING TE VOORKOMEN APPLIQUER DE SILICONE POUR EVITER LES FUITES A L'ACCOUPPLEMENT APPLY SILICONE TO PREVENT LEAKAGE AT THE COUPLING SILIKON ANWENDEN ZUR VERHINDERUNG VON LECKAGEN AN DER KUPPLUNG

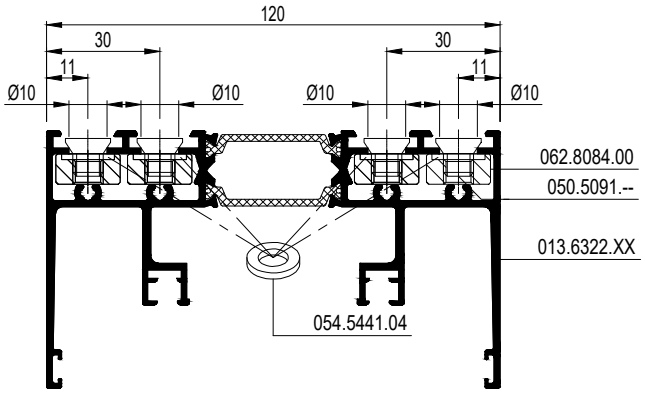


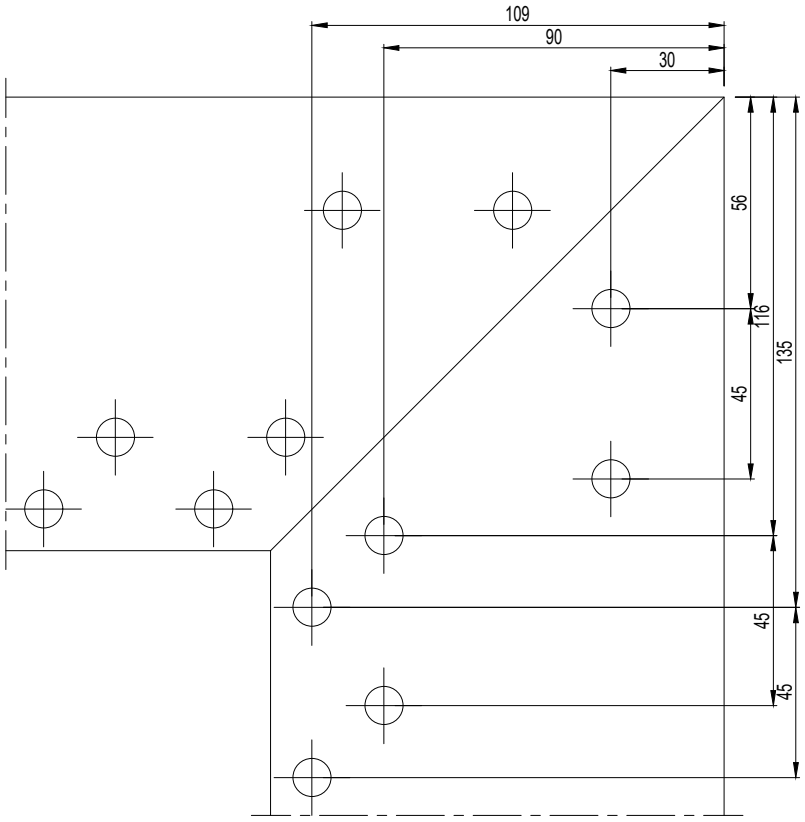
schaal - échelle
scale - Maßstab
1/2

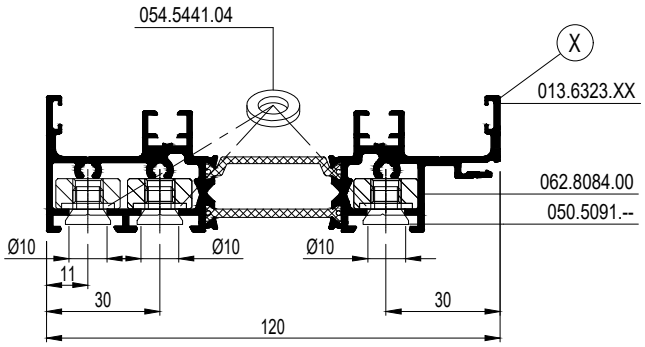
F

OUT

IN



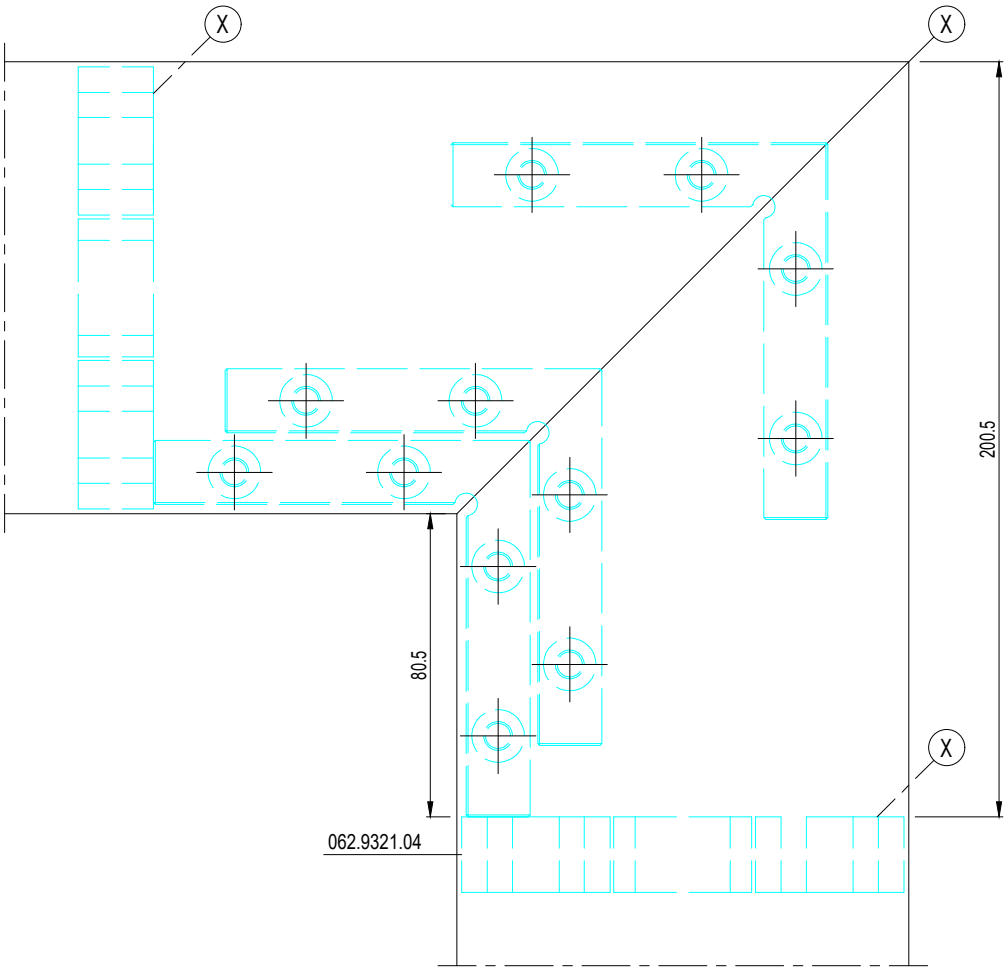




schaal - échelle
scale - Maßstab
1/2

F

!	SILICONE AANBRENGEN OM LEKKEN BIJ DE KOPPELING TE VOORKOMEN APPLIQUER DE SILICONE POUR EVITER LES FUITES A L'ACCOUPPLEMENT APPLY SILICONE TO PREVENT LEAKAGE AT THE COUPLING SILIKON ANWENDEN ZUR VERHINDERUNG VON LECKAGEN AN DER KUPPLUNG

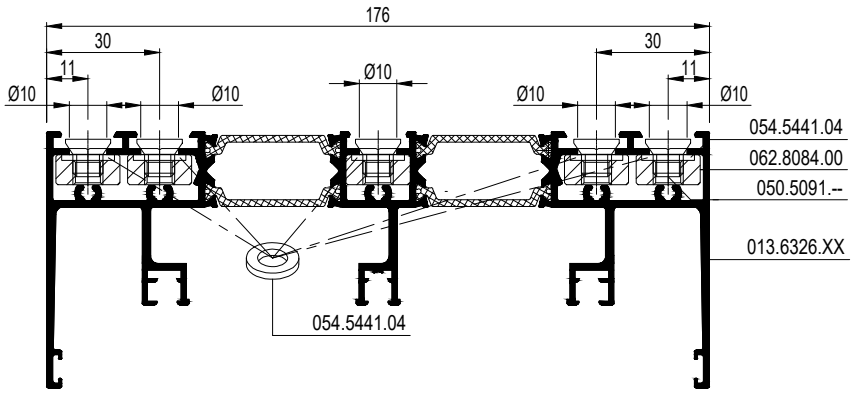


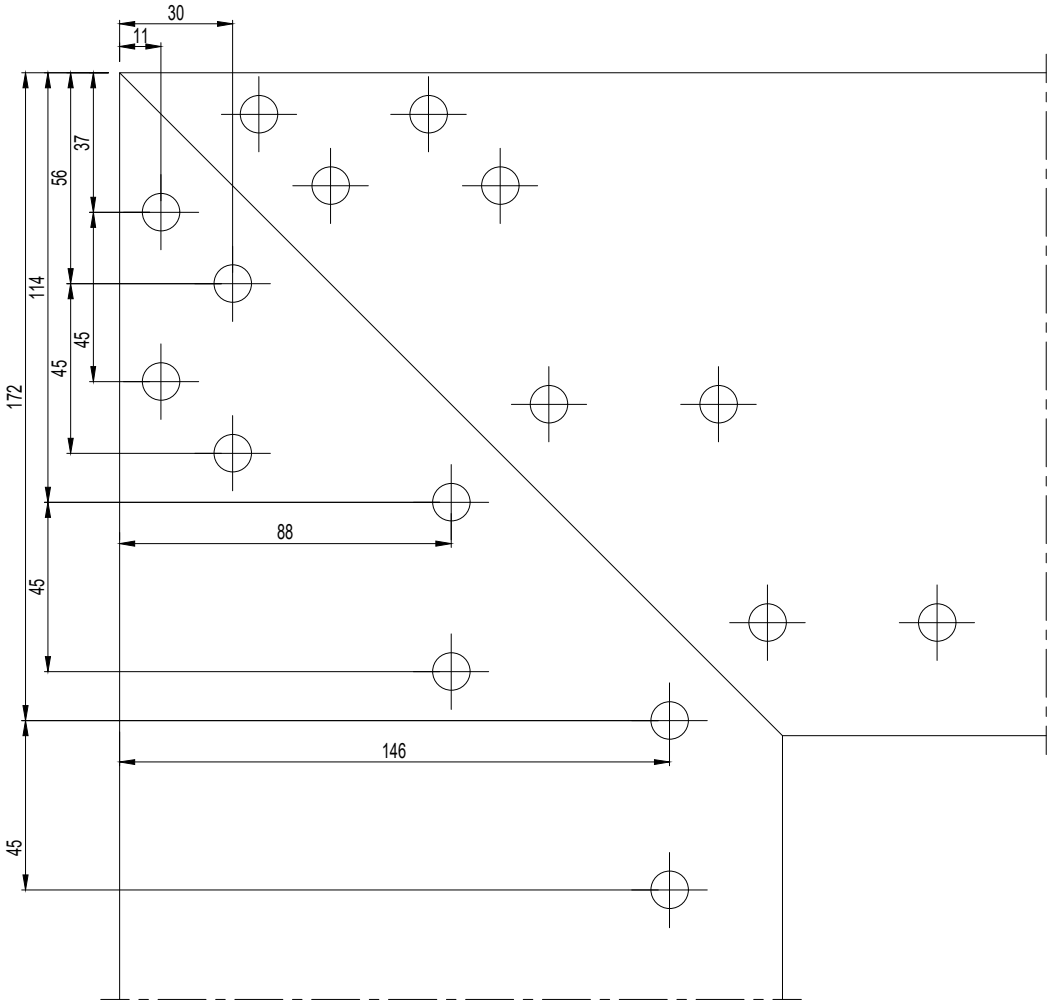
F

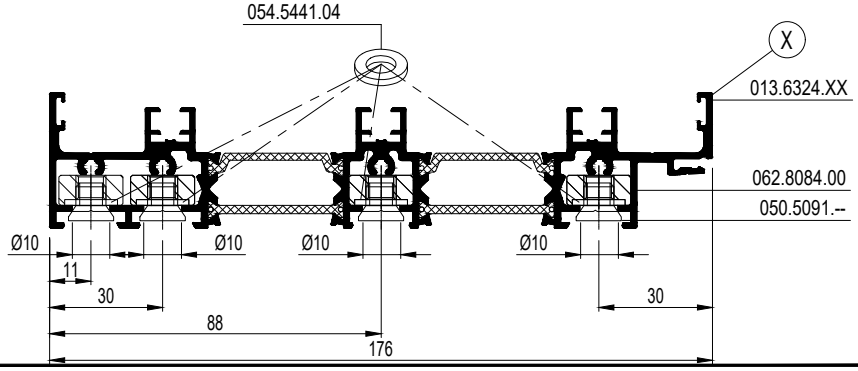
schaal - échelle
scale - Maßstab
1/2

IN

OUT

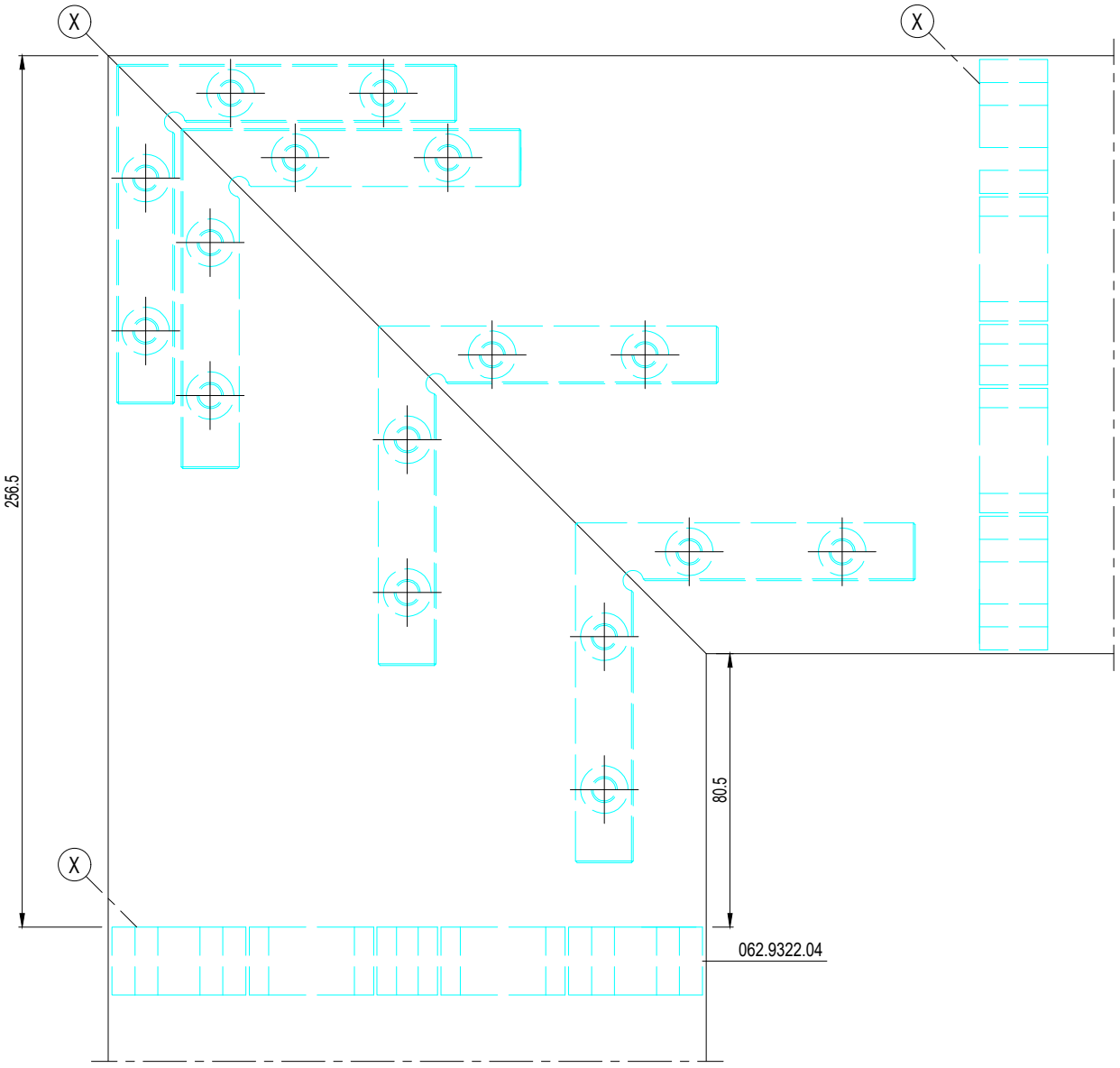






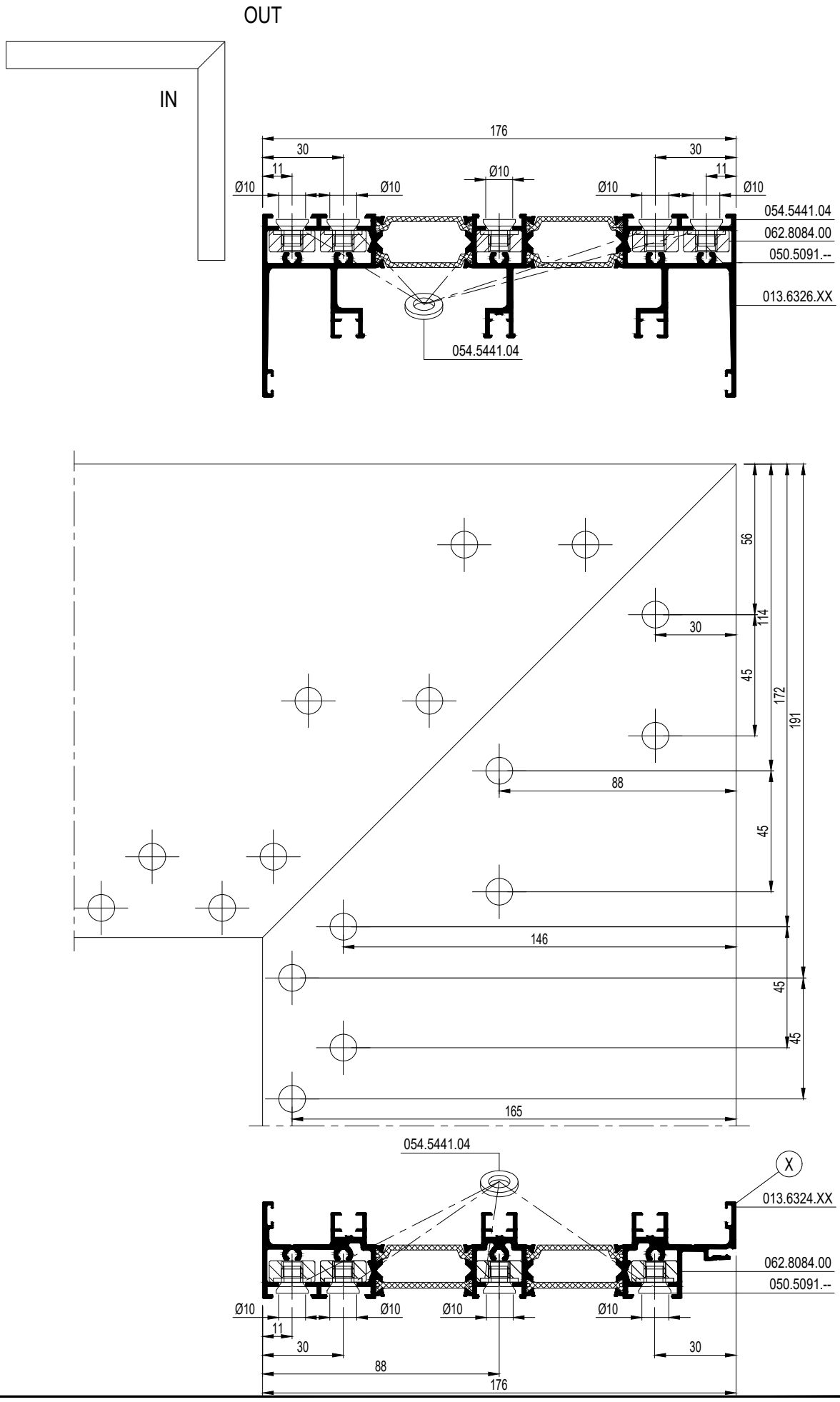
schaal - échelle
scale - Maßstab
1/2

SILICONE AANBRENGEN OM LEKKEN BIJ DE KOPPELING TE VOORKOMEN
APPLIQUER DE SILICONE POUR EVITER LES FUITES A L'ACCOUPPLEMENT
APPLY SILICONE TO PREVENT LEAKAGE AT THE COUPLING
SILIKON ANWENDEN ZUR VERHINDERUNG VON LECKAGEN AN DER KUPPLUNG



schaal - échelle
scale - Maßstab
1/2

F



schaal - échelle
scale - Maßstab
1/2

SILICONE AANBRENGEN OM LEKKEN BIJ DE KOPPELING TE VOORKOMEN
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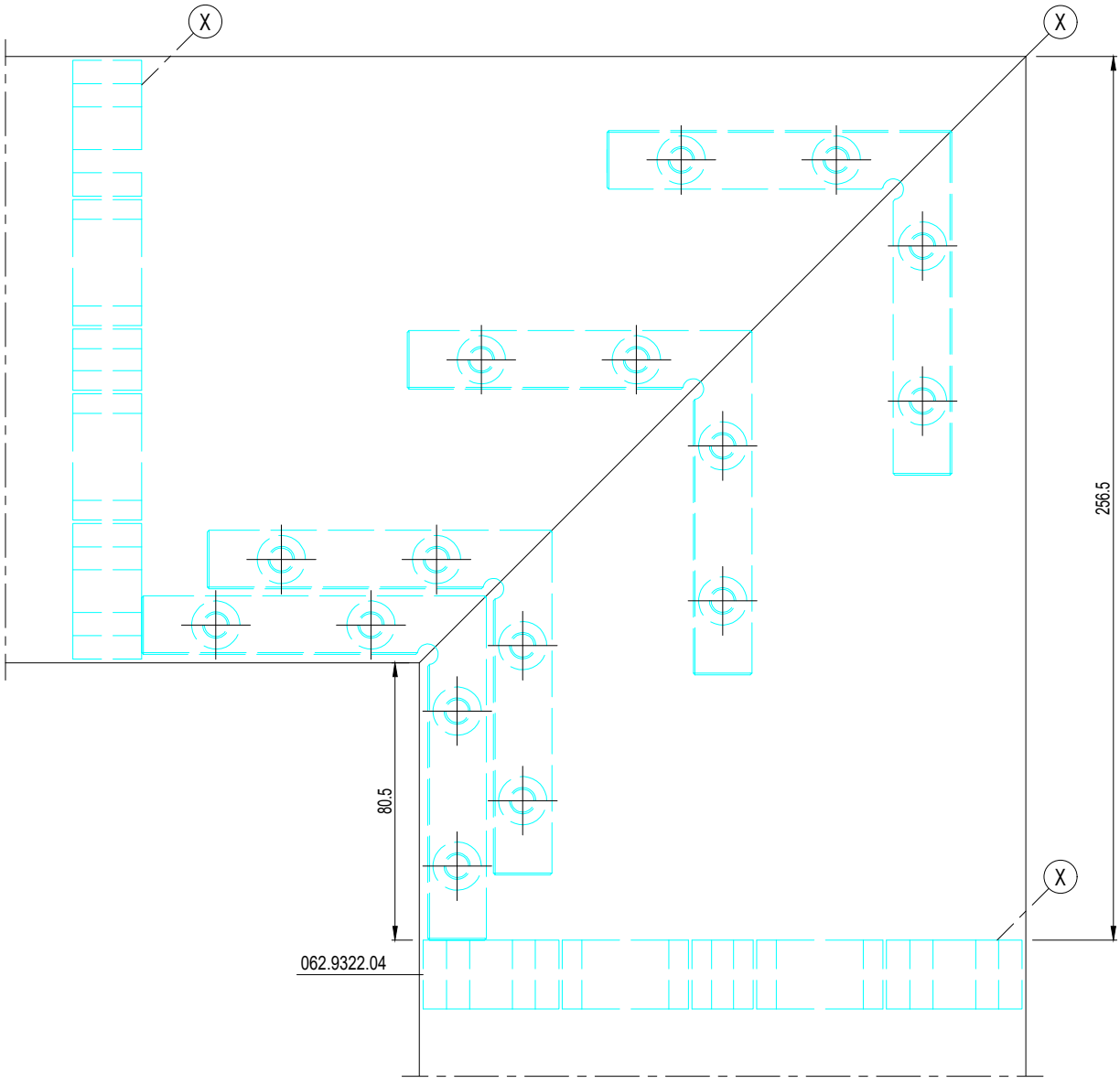

schaal - échelle
scale - Maßstab
1/2

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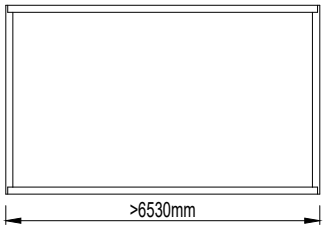

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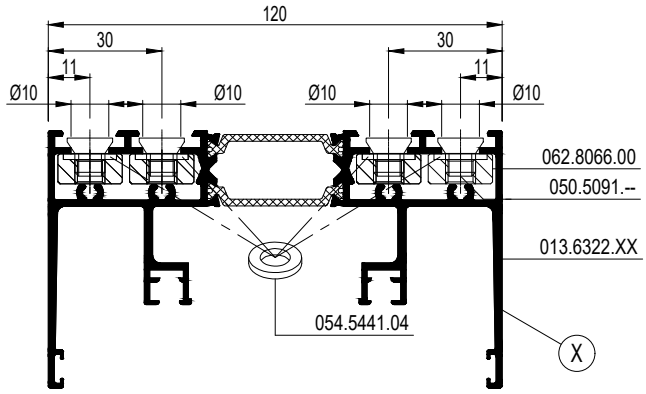

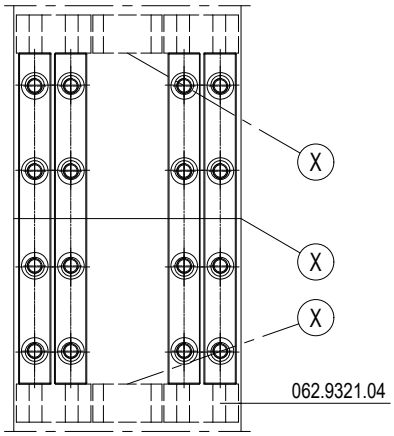

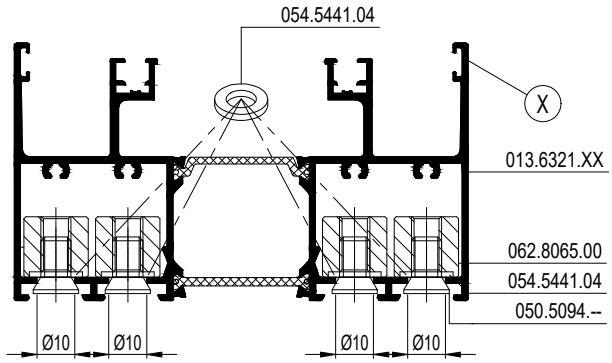

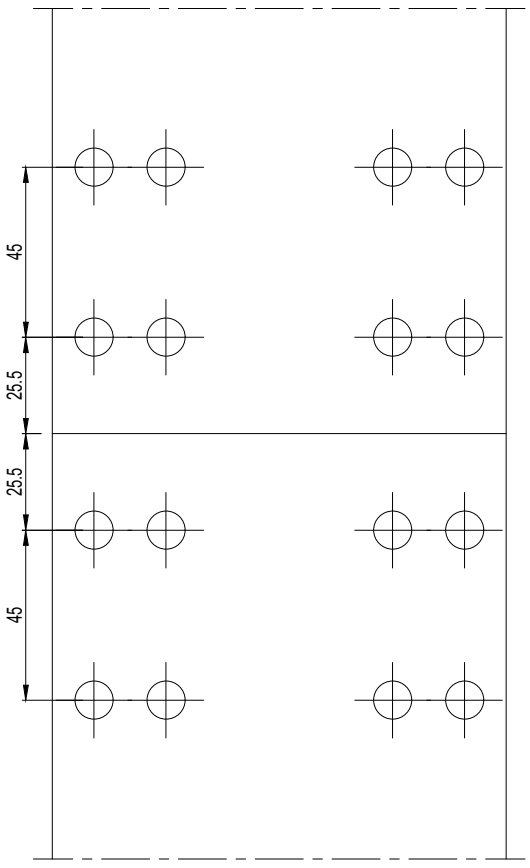

schaal - échelle
scale - Maßstab
1/2

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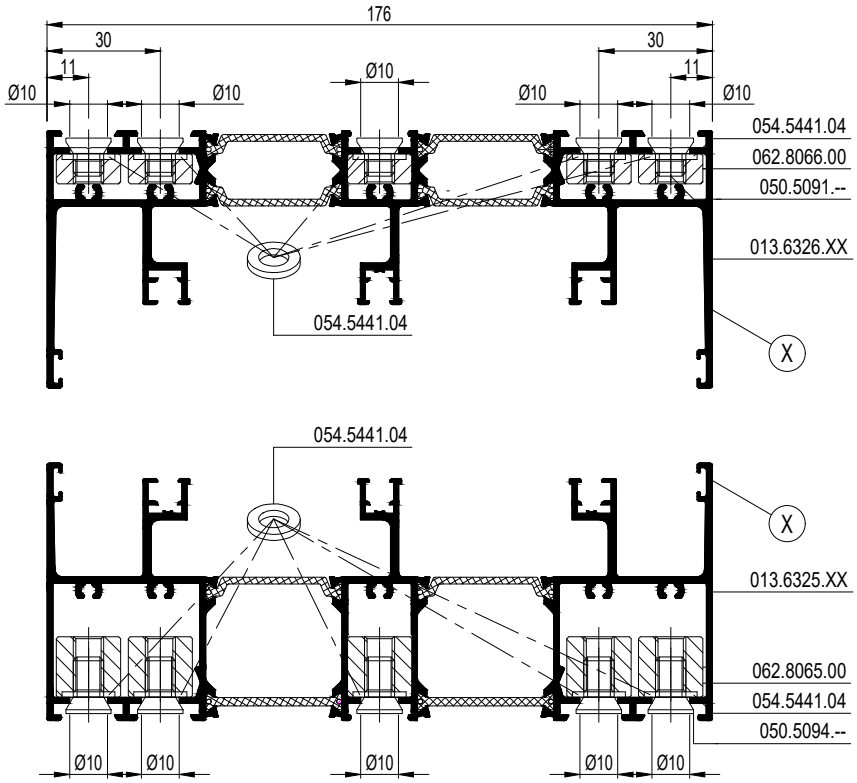

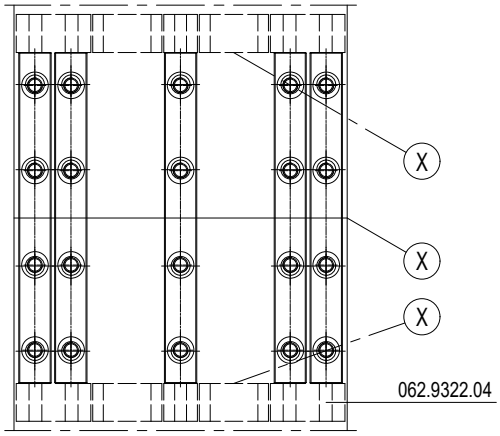

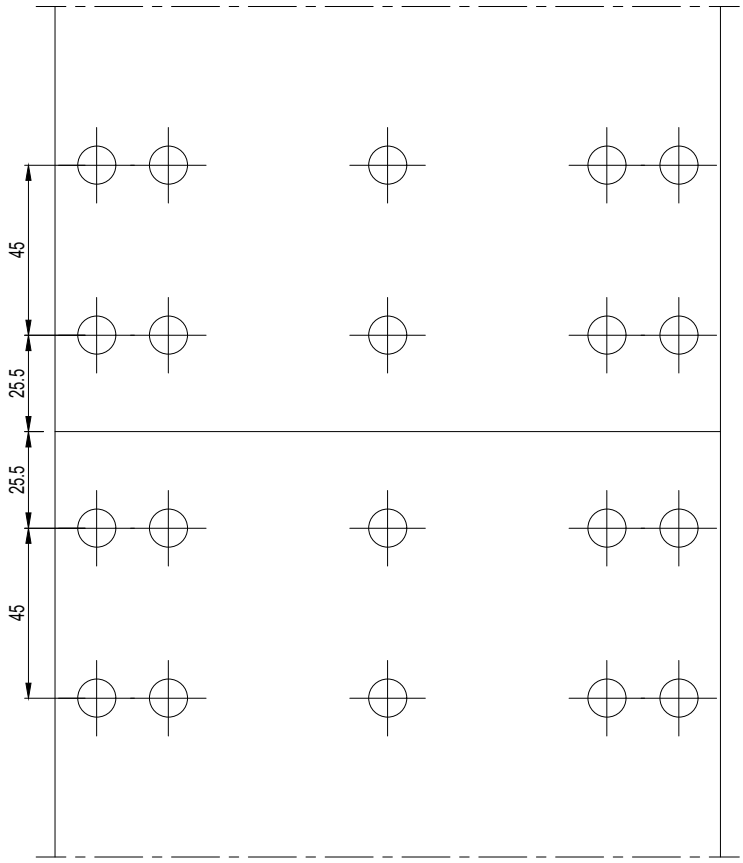

schaal - échelle
scale - Maßstab
1/2

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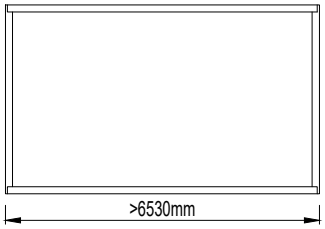
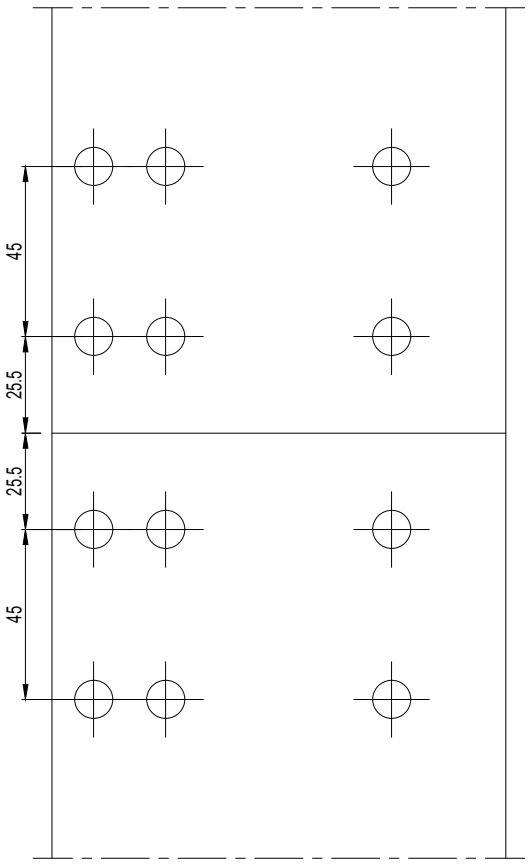
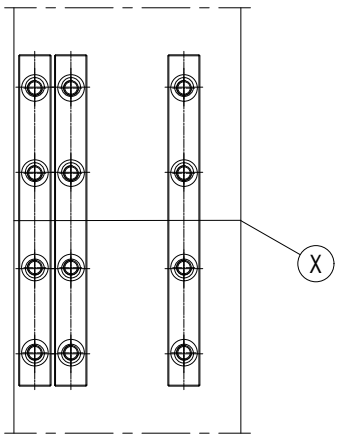
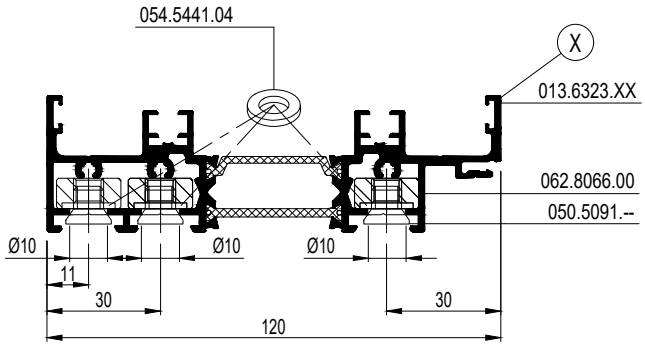


SILICONE AANBRENGEN OM LEKKEN BIJ DE KOPPELING TE VOORKOMEN
APPLIQUER DE SILICONE POUR EVITER LES FUITES A L'ACCOUPPLEMENT
APPLY SILICONE TO PREVENT LEAKAGE AT THE COUPLING
SILIKON ANWENDEN ZUR VERHINDERUNG VON LECKAGEN AN DER KUPPLUNG

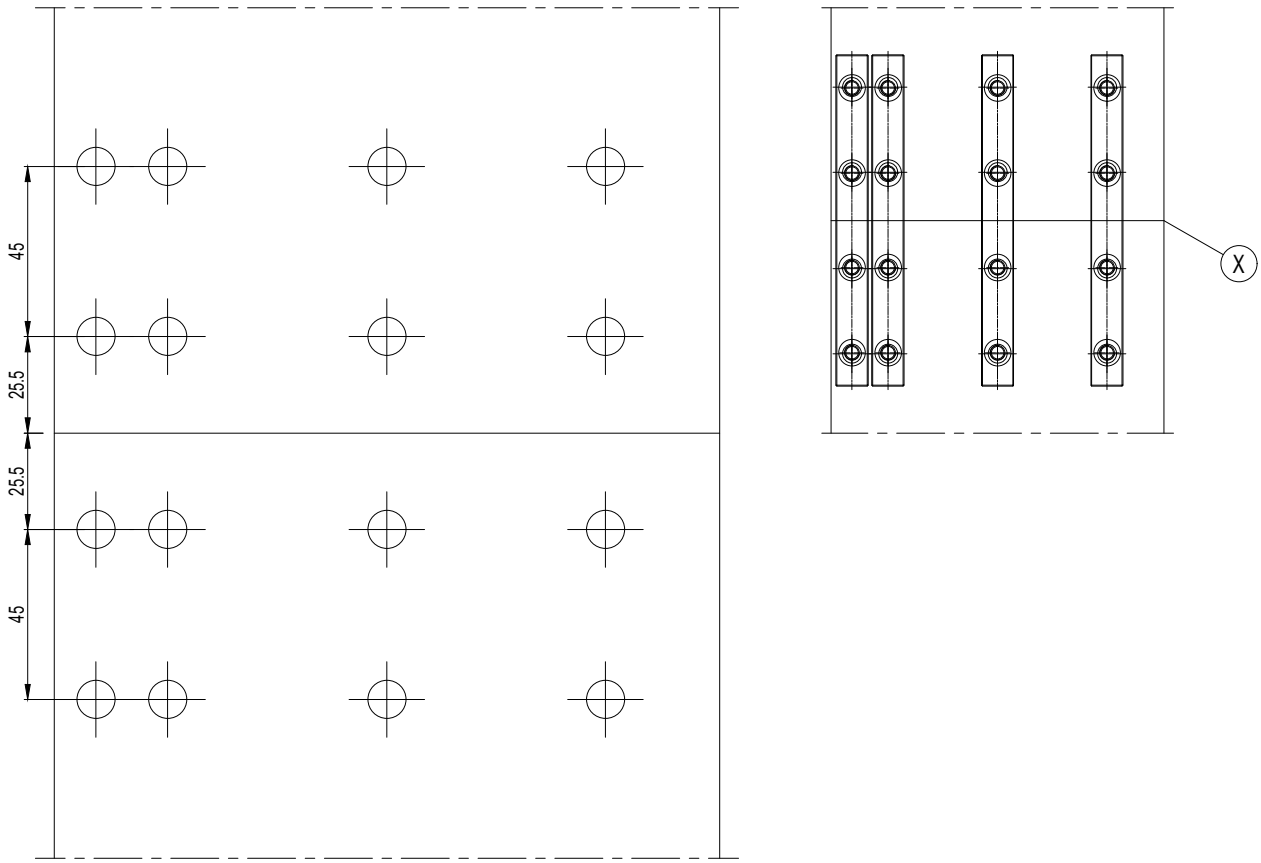


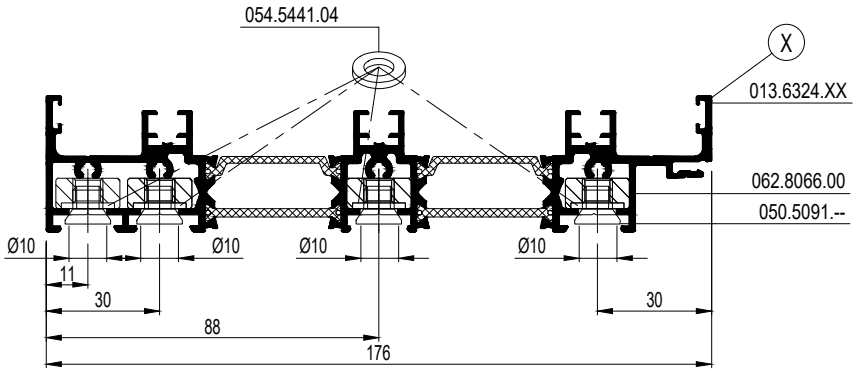




F

schaal - échelle
scale - Maßstab
1/2





F

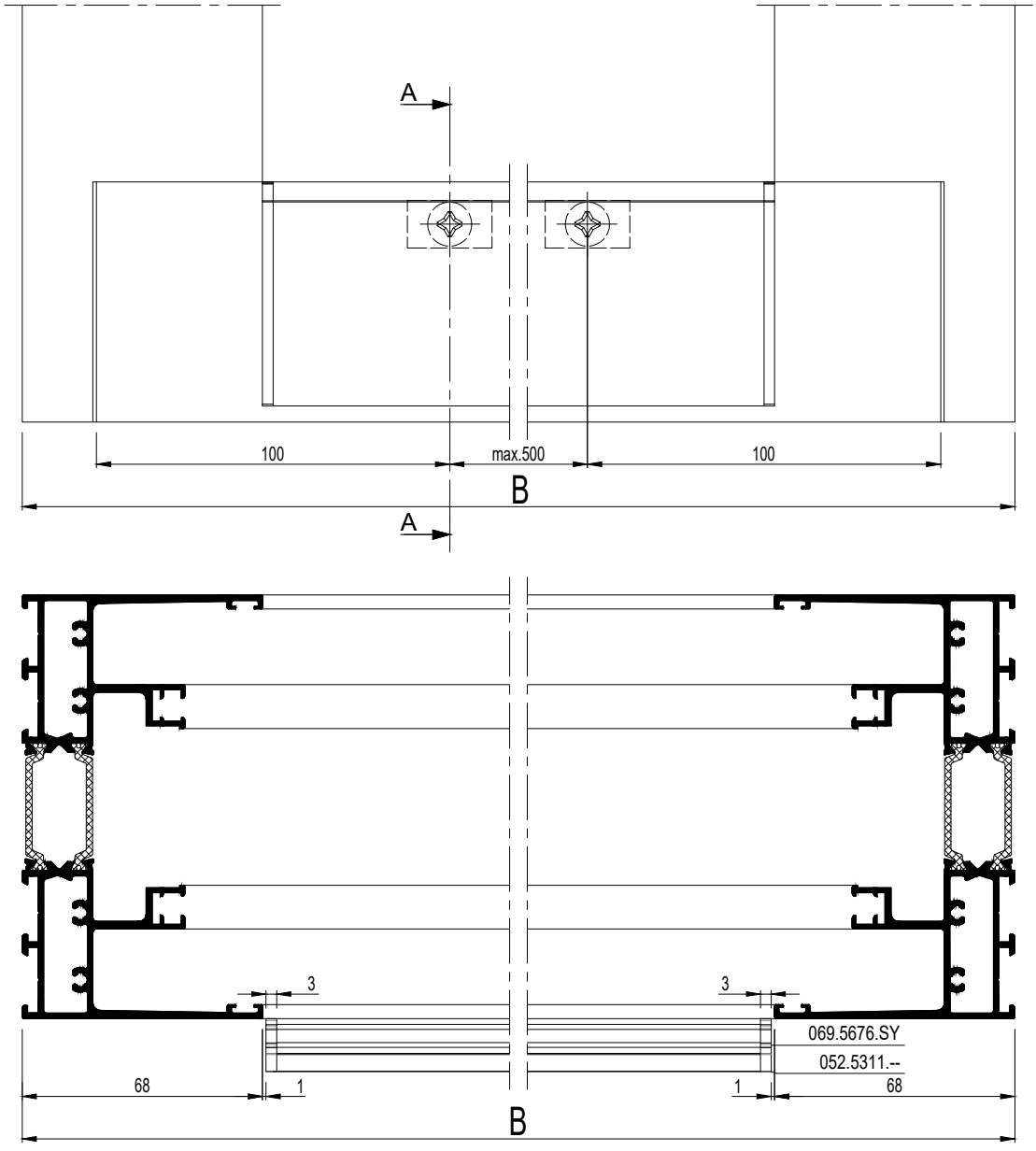
schaal - échelle
scale - Maßstab
1/2

SlimPatio 68

INSTALLATIE AFDEKPROFIEL
D'INSTALLATION PROFILE DE RECOUVREMENT
INSTALLATION COVERING PROFILE
INSTALLATION ABDECKPROFIL

			#	Lm
013.6327.XX			1	B-144
POCKET				
013.6327.XX			1	TB-42

		#
052.5317.--		1/500mm
052.5311.--		4
068.6351.04		1/500mm
069.5676.SY		2

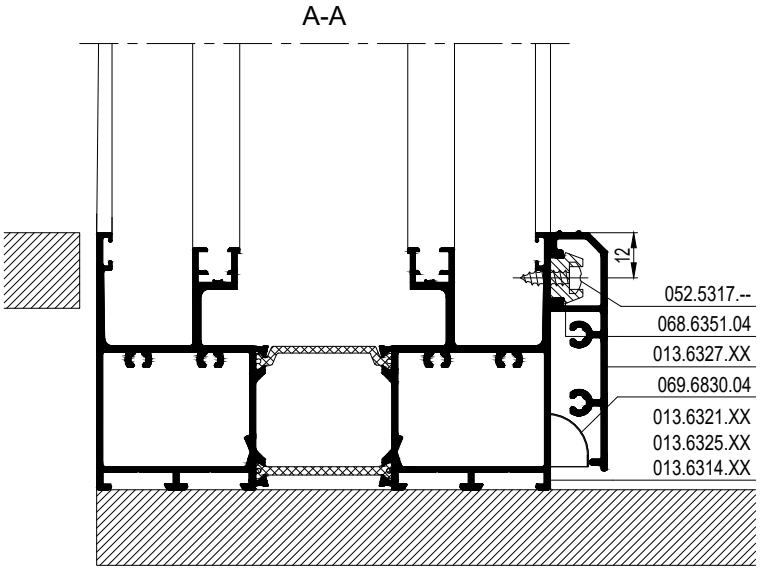


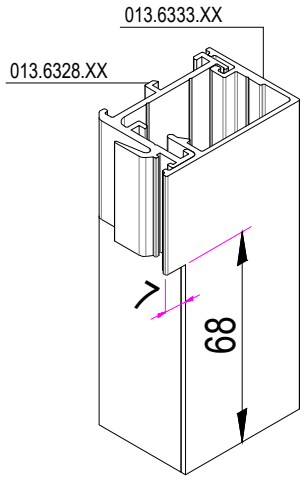
ALLEEN AFDEKKAP WATERAFVOERSLEUVEN 069.6830.04 INSTALLEREN
INSTALLER SEULEMNT DES CAPUCHON DRAINAGE D'EAU 069.6830.04
ONLY INSTALL WEEP HOLE COVER 069.6830.04
NUR ABDECKKAPPE ENTWAESSERUNG 069.6830.04 INSTALLIEREN

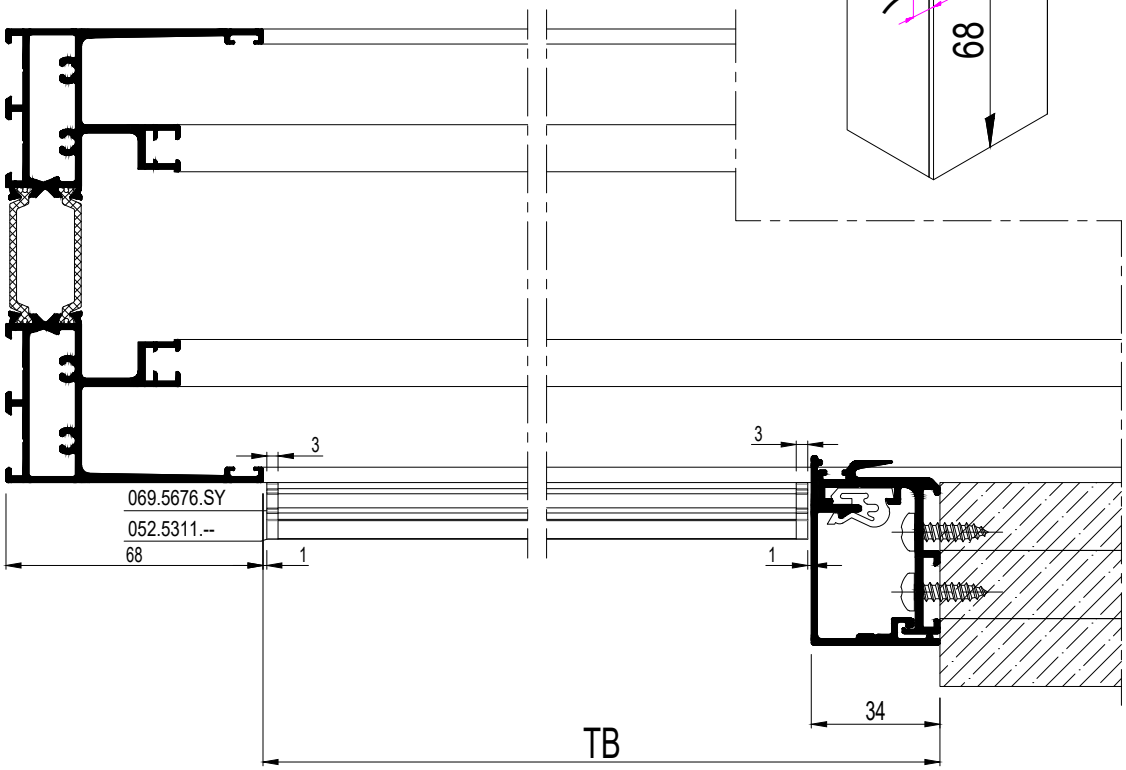
NA DEMONTAGE 013.6327.XX KLEMSTUK 068.6351.04 VERVANGEN
APRES DEMONTAGE 013.6327.XX REMPLACER CLIP 068.51.04
AFTER DISASSEMBLING 013.6327.XX REPLACE CLIP 068.6351.04
NACH DEMONTIEREN 013.6327.XX ERSETZEN SIE 068.6351.04

schaal - échelle
scale - Maßstab
1/2

OPTIE
OPTIONNEL
OPTIONAL
OPTION



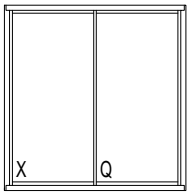


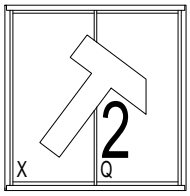


schaal - échelle
scale - Maßstab
1/2

F

	2-RAIL 2-RAIL	2-RAIL 2-RAIL





STANDARD XQ LV

		#
024.5620.SY		2
069.8405.ZC		1
022.5378.--		x
062.7217.--		
069.8408.PA		1
069.8403.PA		
069.8404.PA		
069.8447.--		1
024.5642.04		2
062.7142.04		1

AP XQ

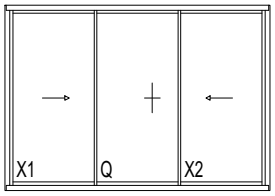
		#	
024.5620.SY		2	LOCK
024.5661.SY		1	
062.7199.--		1	
061.6050.00		1	
061.7059.XX		1	
~~xxx.xxxx.xx~~		~~x~~	
024.5642.04		4	
~~xxx.xxxx.xx~~		~~x~~	
021.5697.--		2	ROLLERS VENT < 160kg
050.5386.--		4	
050.5077.--		2	
050.5018.--		2	
or			
021.5701.--		2	
050.5386.--		4	
050.5077.--		2	
050.5018.--		2	
021.5721.--		2	ROLLERS VENT < 200kg
050.5386.--		2	
050.5077.--		2	
021.5721.--		4	ROLLERS VENT < 250kg
050.5386.--		4	
050.5077.--		4	
062.8125.00		1	EXTRA
062.8122.00		1	
062.9098.00		1	

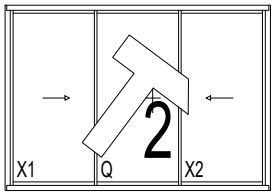
		#
022.5418.04		1

!	AP ALLEEN MET LV AP SEULEMENT AVEC LV AP ONLY WITH LV AP NUR MIT LV

F

	2-RAIL 2-RAIL	2-RAIL 2-RAIL





STANDARD XQX LV

		#
024.5620.SY		4
069.8405.ZC		2
022.5378.-- 062.7217.--		x
069.8408.PA 069.8403.PA 069.8404.PA		2
069.8447.--		2
062.7142.04		2

AP XQX

		#	
024.5620.SY		4	LOCK
024.5661.SY		2	LOCK
062.7199.--		2	LOCK
061.6050.00		2	LOCK
061.7059.XX		2	LOCK
xxx.xxxx.xx		x	LOCK
xxx.xxxx.xx		x	LOCK
021.5697.--		4	ROLLERS VENT < 160kg
050.5386.--		8	ROLLERS VENT < 160kg
050.5077.--		4	ROLLERS VENT < 160kg
050.5018.--		4	ROLLERS VENT < 160kg
or			
021.5701.--		4	ROLLERS VENT < 160kg
050.5386.--		8	ROLLERS VENT < 160kg
050.5077.--		4	ROLLERS VENT < 160kg
050.5018.--		4	ROLLERS VENT < 160kg
021.5721.--		4	ROLLERS VENT < 200kg
050.5386.--		4	ROLLERS VENT < 200kg
050.5077.--		4	ROLLERS VENT < 200kg
021.5721.--		8	ROLLERS VENT < 250kg
050.5386.--		8	ROLLERS VENT < 250kg
050.5077.--		8	ROLLERS VENT < 250kg
062.8125.00		2	EXTRA
062.8122.00		2	EXTRA
062.9098.00		2	EXTRA
024.5642.04		4	EXTRA

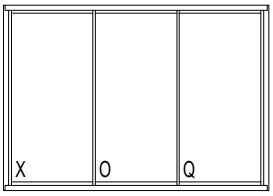
		#
022.5418.04		2

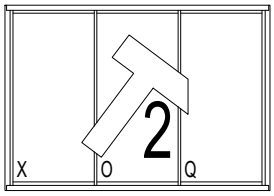
AP ALLEEN MET ESPAGNOLETSLOT 062.7199.--
AP SEULEMENT AVEC FERMETURE ESPAGNOLETTE 062.7199.--
AP ONLY WITH SHOOTBOLT LOCK 062.7199.--
AP NUR MIT TREIBRIEGELVERSCHLUSS 062.7199.--

schaal - échelle
scale - Maßstab
1/2

F

	3-RAIL 3-RAIL	3-RAIL 3-RAIL





STANDARD XOQ LV

		#
024.5620.SY		2
069.8405.ZC		1
022.5378.--		x
062.7217.--		
069.8408.PA		1
069.8403.PA		
069.8404.PA		
069.8447.--		1
024.5642.04		2
062.7142.04		3

AP XOQ

		#	
024.5620.SY		2	LOCK
024.5661.SY		1	LOCK
062.7199.--		1	LOCK
061.6050.00		1	LOCK
061.7059.XX		1	LOCK
~~xxx.xxxx.xx~~		~~x~~	LOCK
024.5642.04		4	LOCK
~~xxx.xxxx.xx~~		~~x~~	LOCK
021.5697.--		4	ROLLERS VENT < 160kg
050.5386.--		8	ROLLERS VENT < 160kg
050.5077.--		4	ROLLERS VENT < 160kg
050.5018.--		4	ROLLERS VENT < 160kg
or			
021.5701.--		4	ROLLERS VENT < 160kg
050.5386.--		8	ROLLERS VENT < 160kg
050.5077.--		4	ROLLERS VENT < 160kg
050.5018.--		4	ROLLERS VENT < 160kg
021.5721.--		4	ROLLERS VENT < 200kg
050.5386.--		4	ROLLERS VENT < 200kg
050.5077.--		4	ROLLERS VENT < 200kg
021.5721.--		8	ROLLERS VENT < 250kg
050.5386.--		8	ROLLERS VENT < 250kg
050.5077.--		8	ROLLERS VENT < 250kg
062.8125.00		1	EXTRA
062.8122.00		1	EXTRA
062.9098.00		1	EXTRA

		#
022.5418.04		1

AP ALLEEN MET LV
AP SEULEMENT AVEC LV
AP ONLY WITH LV
AP NUR MIT LV

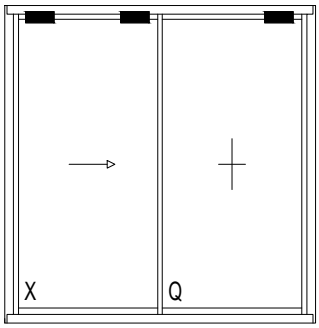
schaal - échelle
scale - Maßstab
1/2

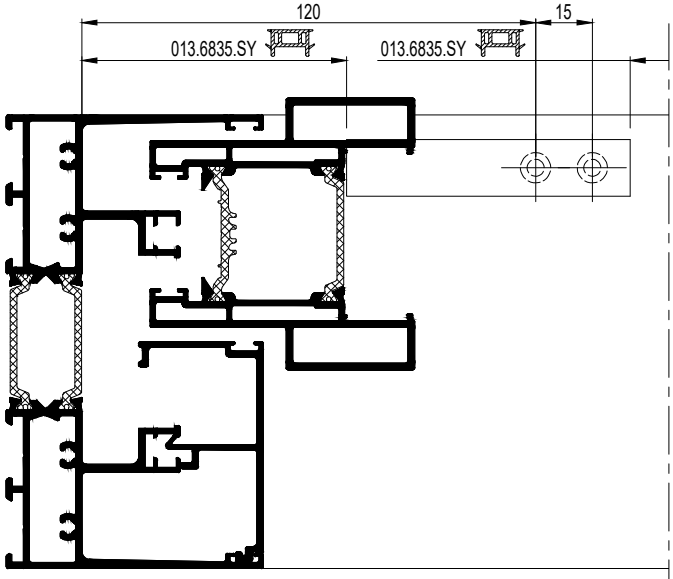
F

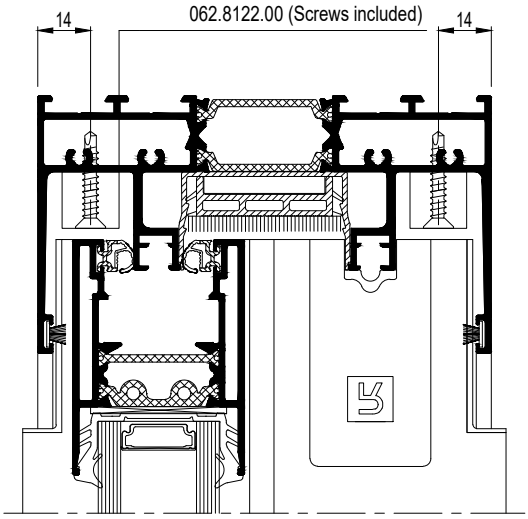
F

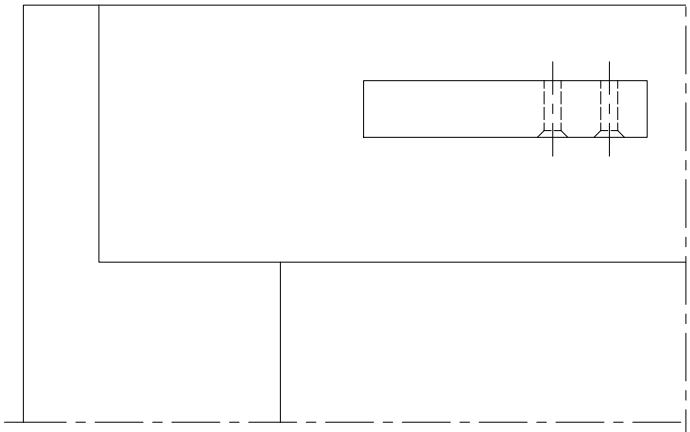
AP ALLEEN MET ESPAGNOLETSLOT 062.7199.--
AP SEULEMENT AVEC FERMETURE ESPAGNOLETTE 062.7199.--
AP ONLY WITH SHOOTBOLT LOCK 062.7199.--
AP NUR MIT TREIBRIEGELVERSCHLUSS 062.7199.--

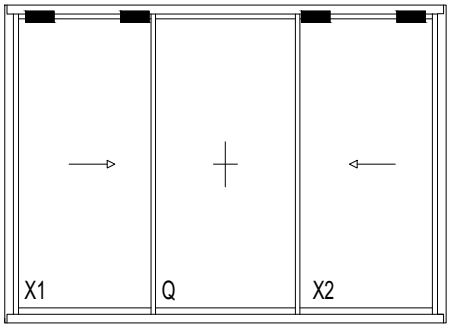
schaal - échelle
scale - Maßstab
1/2

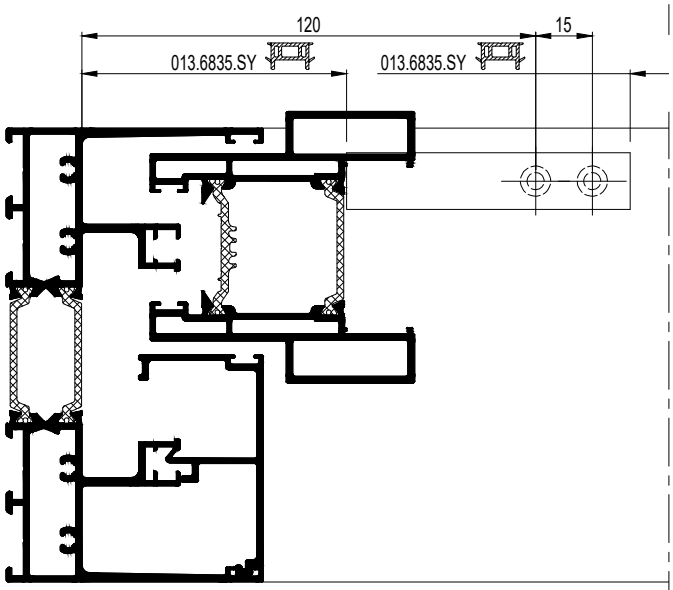






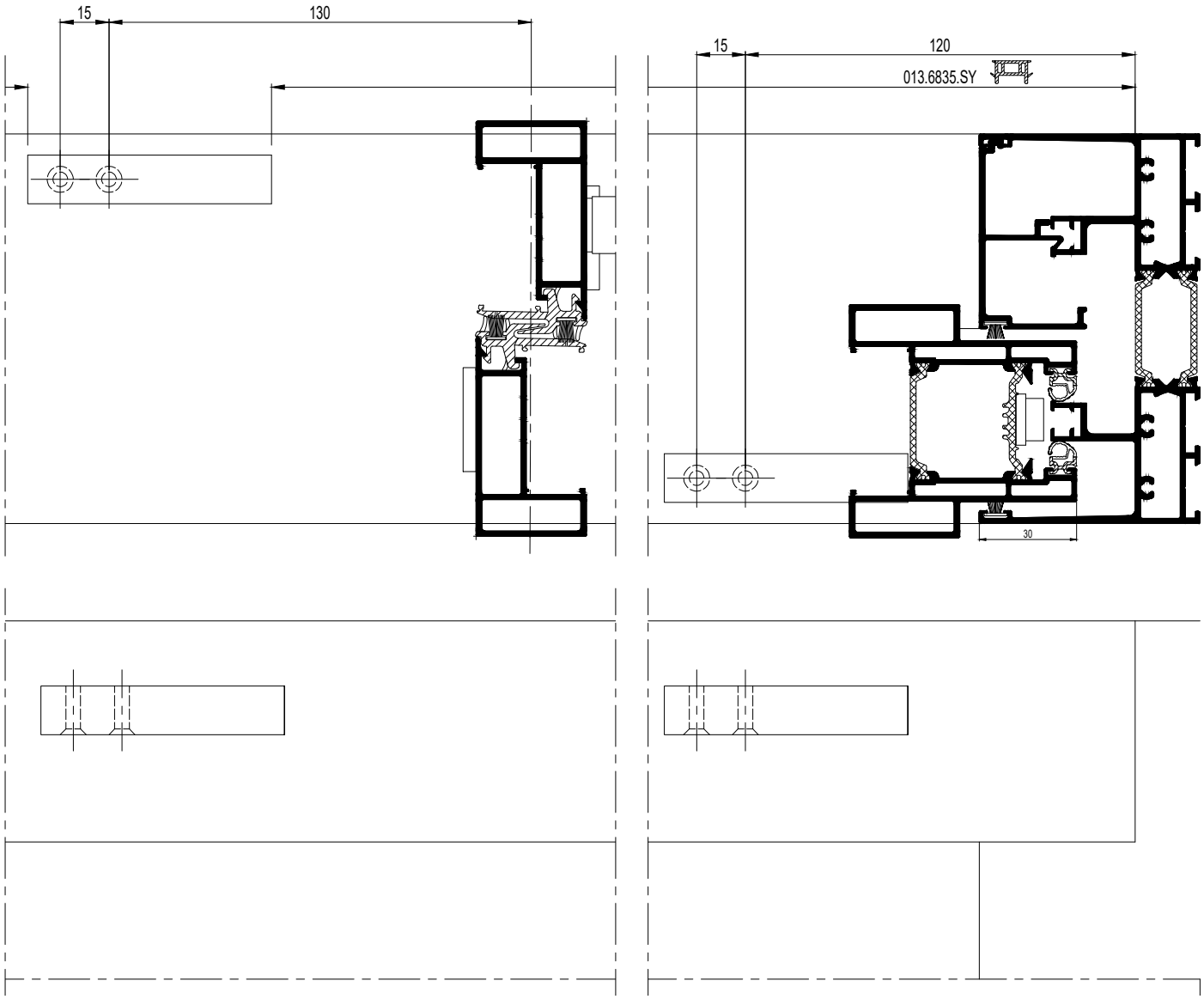


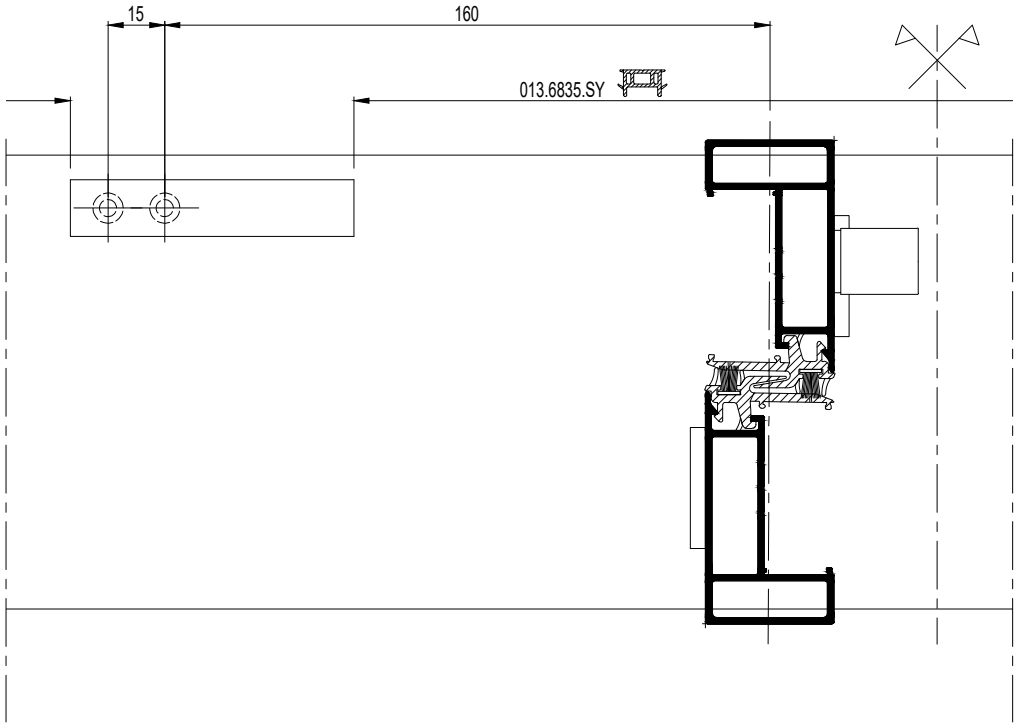




PLAATS DE VLEUGELS VOOR HET PLAATSEN VAN DE ANTI-OPHEF BLOKKEN
MONTER DES OUVRANTS AVANT L'ASSEMBLAGE DES BLOC D'ANTI-LEVAGE
PLACE THE VENTS BEFORE THE PLACEMENT OF THE ANTI LIFT BLOCS
MONTIEREN SIE DIE FLUEGELS VOR DIE PLATZIERUNG VOM ANTI OPTILLIEREN BLOCKE

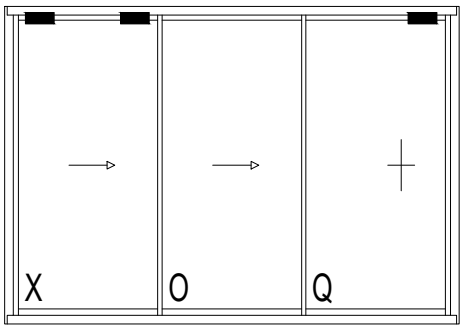
schaal - échelle
scale - Maßstab
1/2

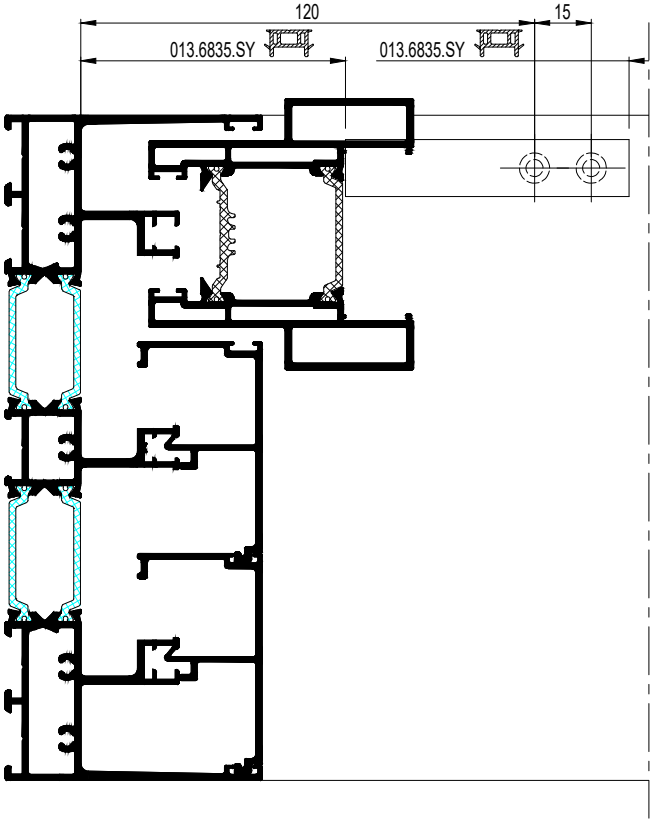


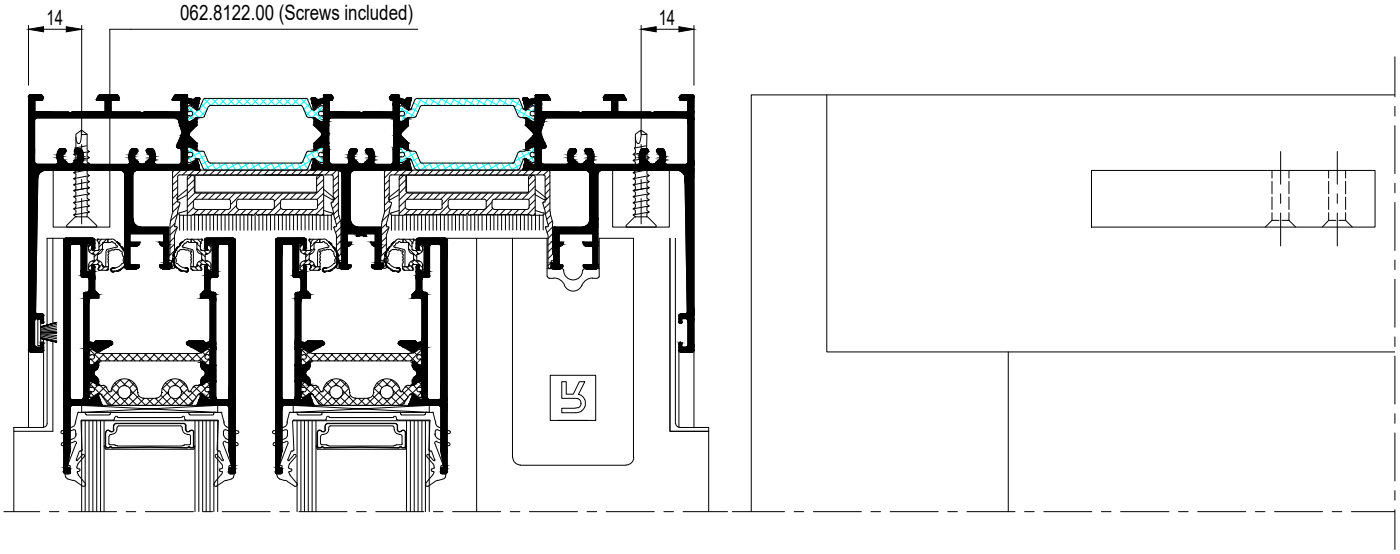


schaal - échelle
scale - Maßstab
1/2

F



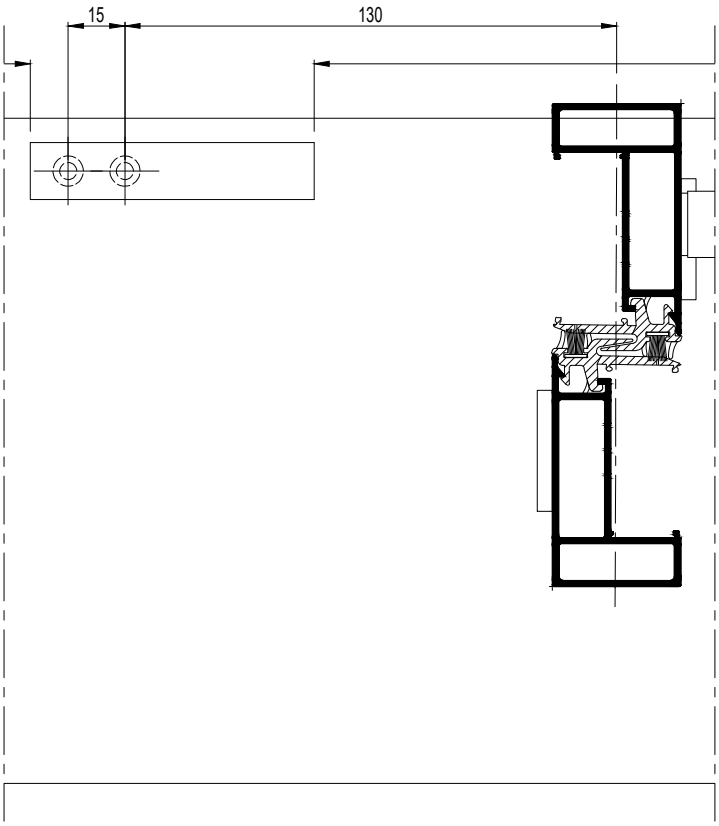


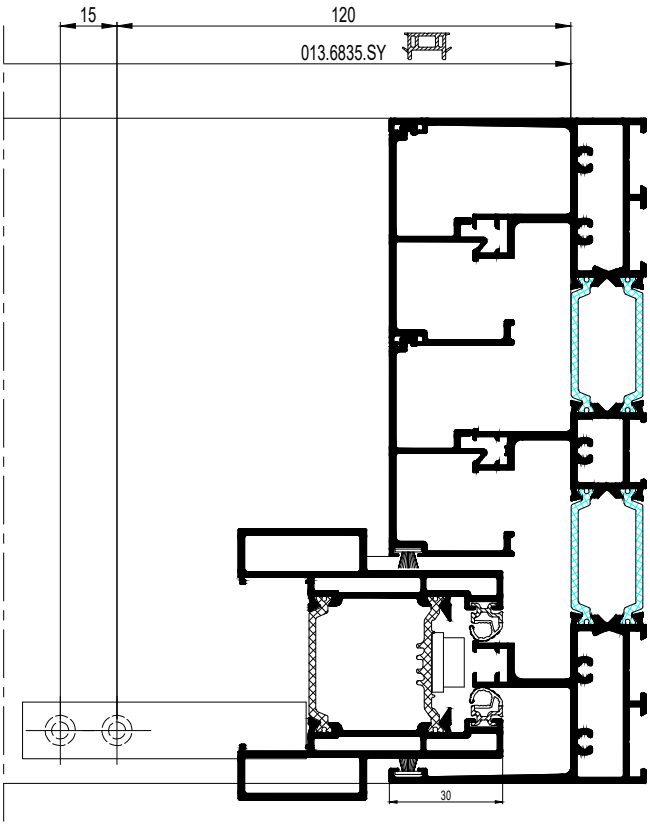


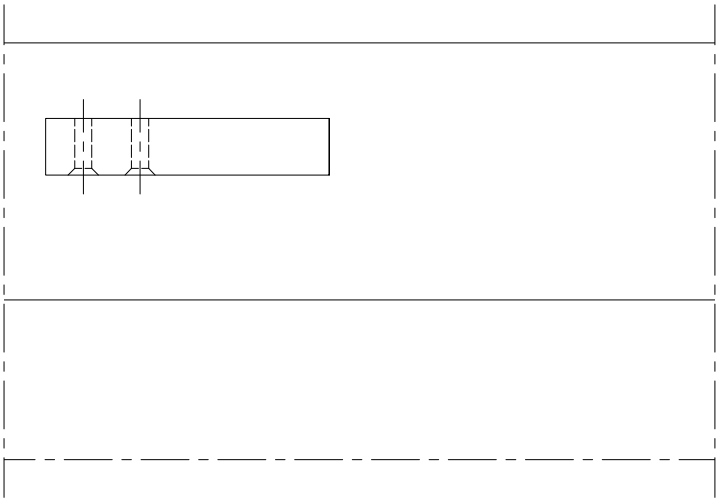
F

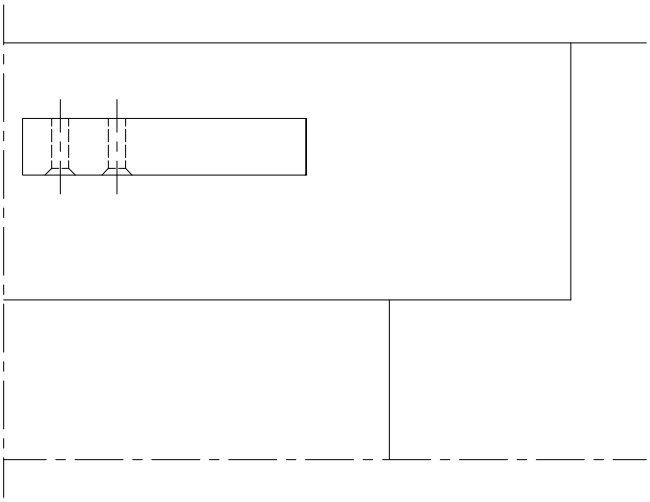
PLAATS DE VLEUGELS VOOR HET PLAATSEN VAN DE ANTI-OPHEF BLOKKEN
MONTER DES OUVRANTS AVANT L'ASSEMBLAGE DES BLOC D'ANTI-LEVAGE
PLACE THE VENTS BEFORE THE PLACEMENT OF THE ANTI LIFT BLOCS
MONTIEREN SIE DIE FLUEGELS VOR DIE PLATZIERUNG VOM ANTI OPTILLIEREN BLOCKE

schaal - échelle
scale - Maßstab
1/2



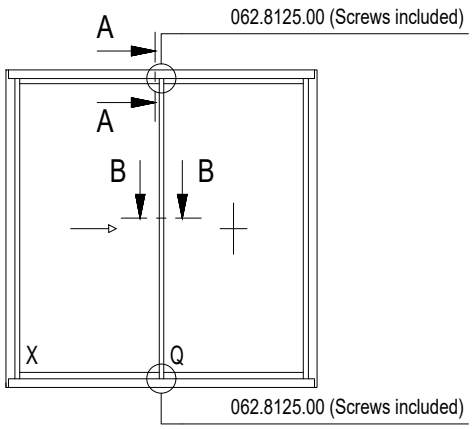


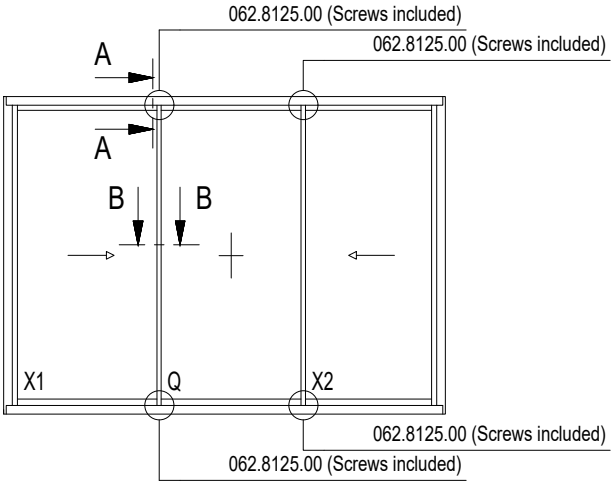


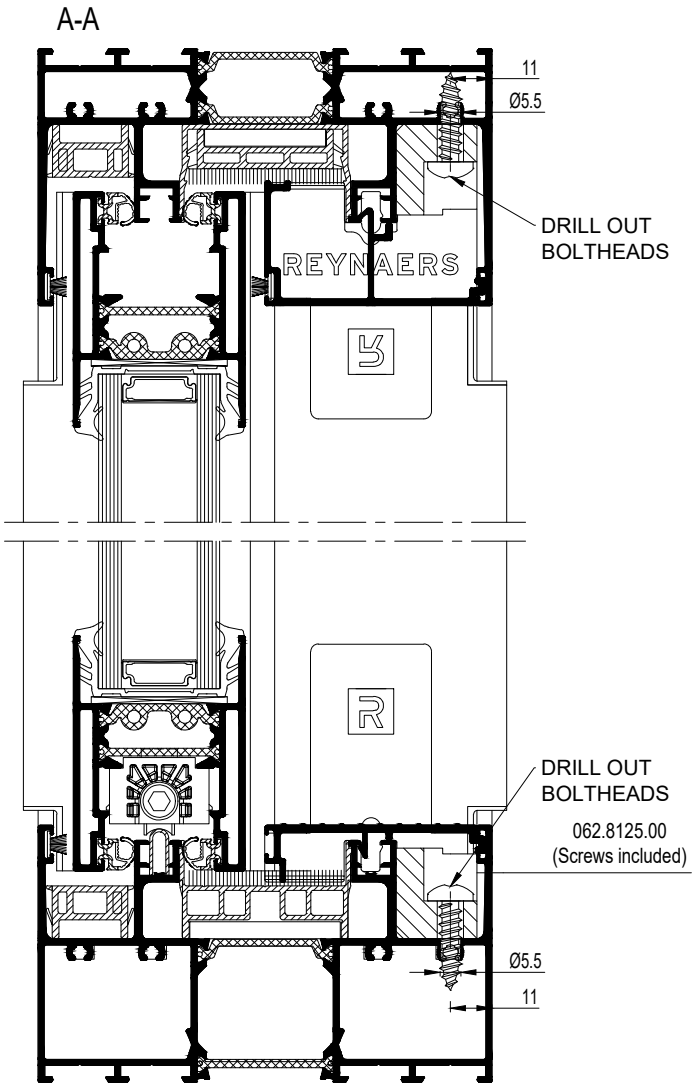


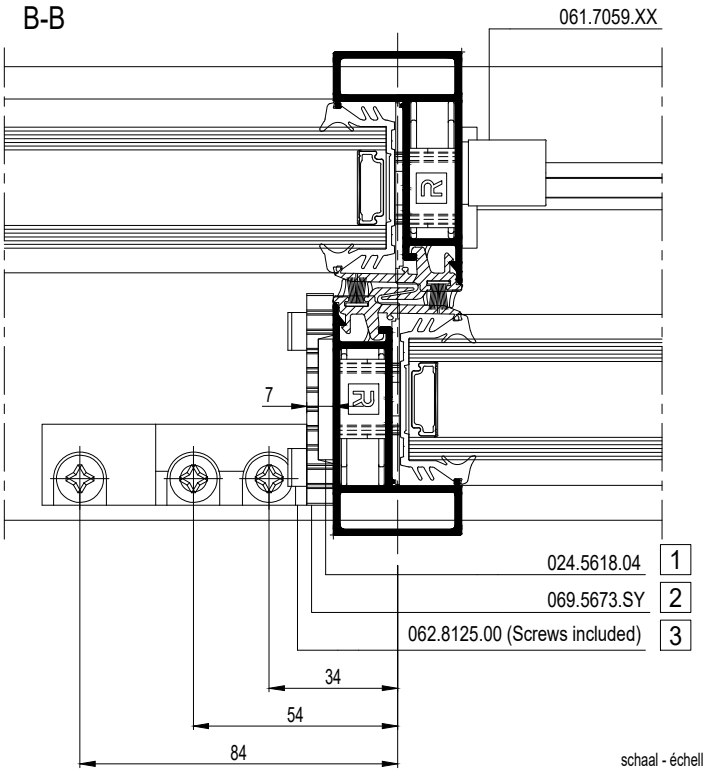
F

schaal - échelle
scale - Maßstab
1/2







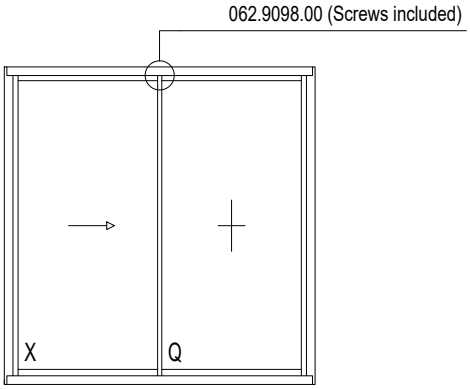


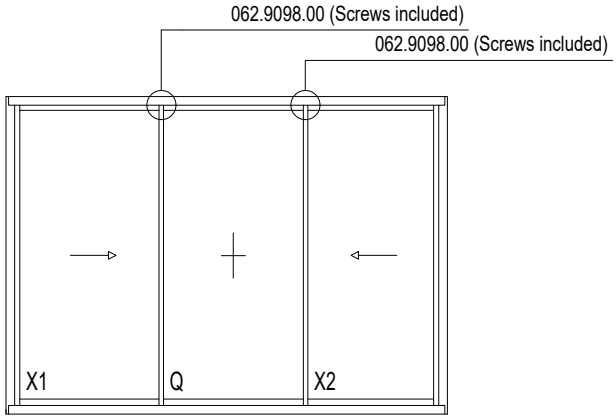
MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE
1 2 3 .

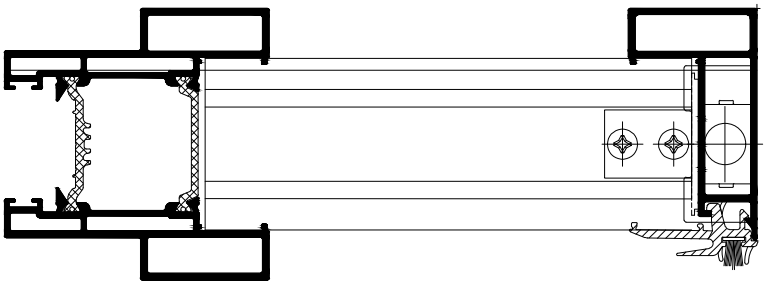
schaal - échelle
scale - Maßstab
1/2

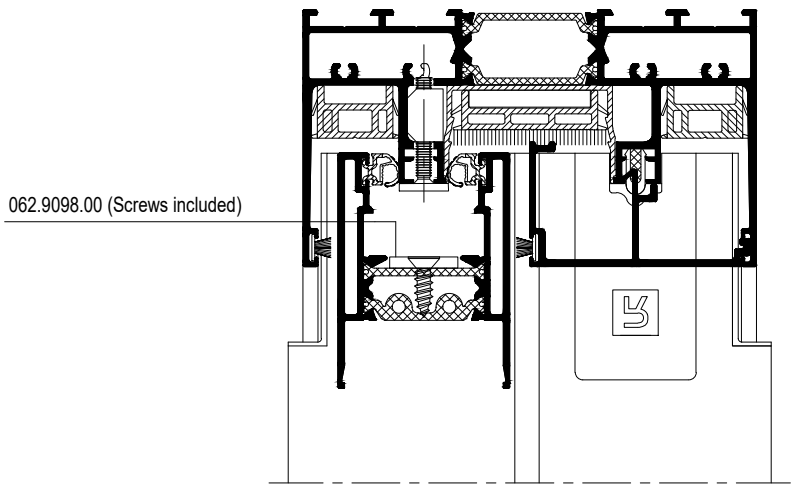
F

ALLEEN OP X-VLEUGEL
SEULEMENT SUR OUVRANT X
ONLY ON X VENT
NUR SUR X GANGFLUEGEL



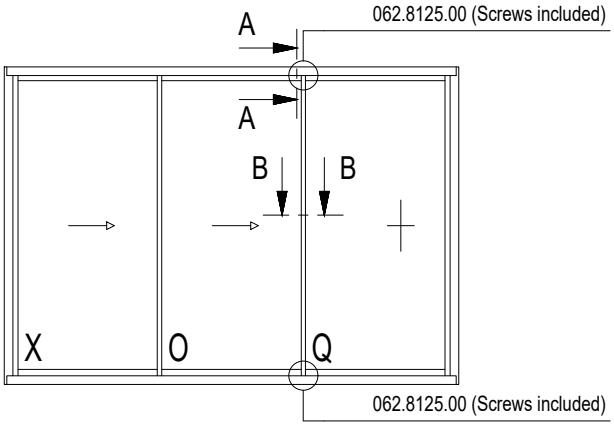




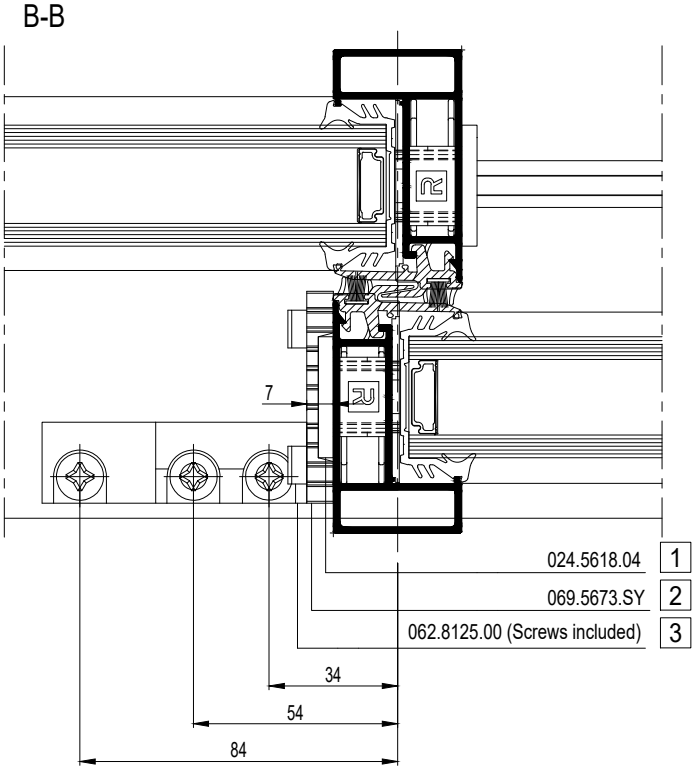


schaal - échelle
scale - Maßstab
1/2

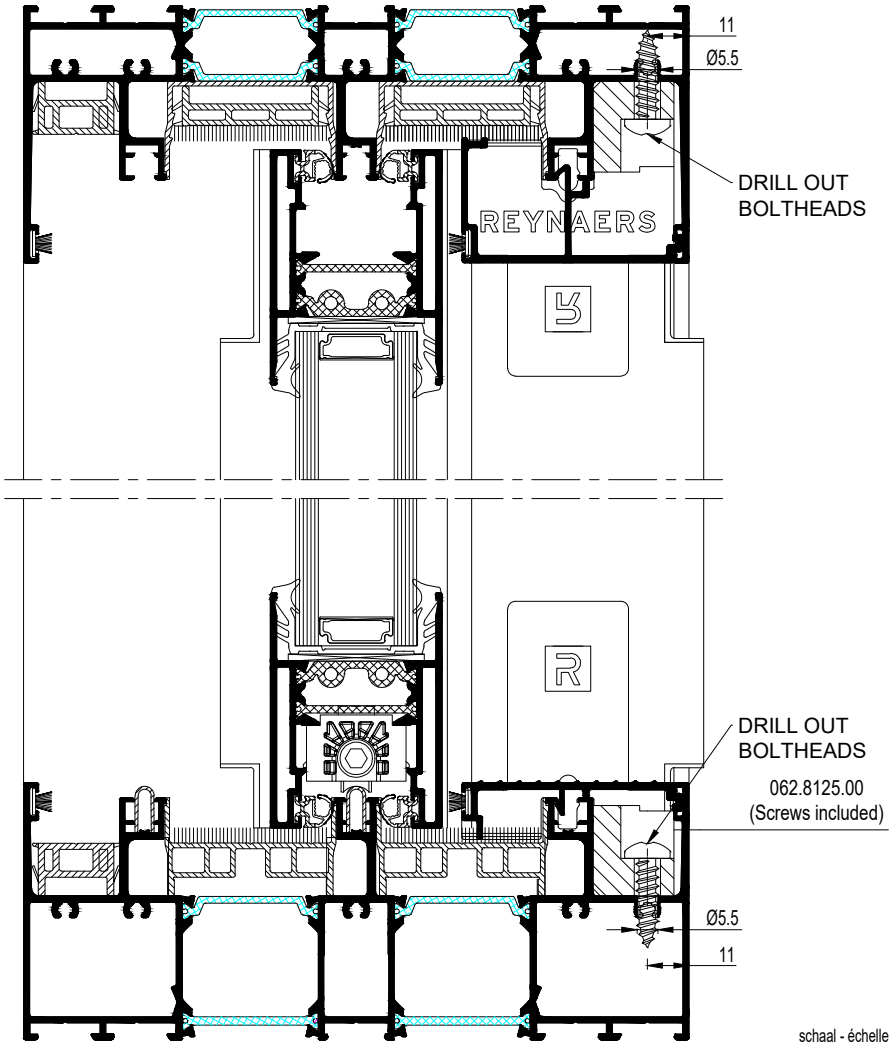
F



B-B



A-A



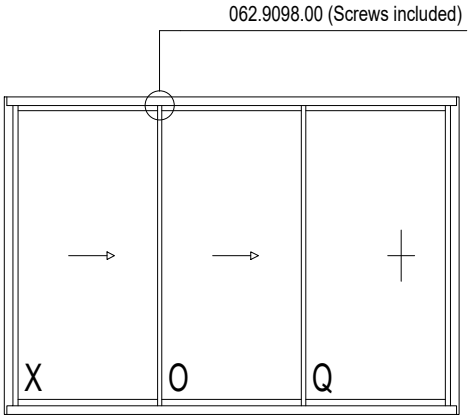
MONTAGEVOLGORDE
L 'ORDRE DE MONTAGE
THE ORDER OF ASSEMBLY
MONTAGEREIHENFOLGE

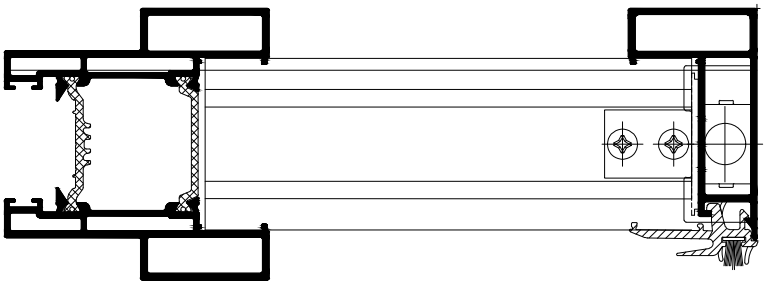
1 2 3 .

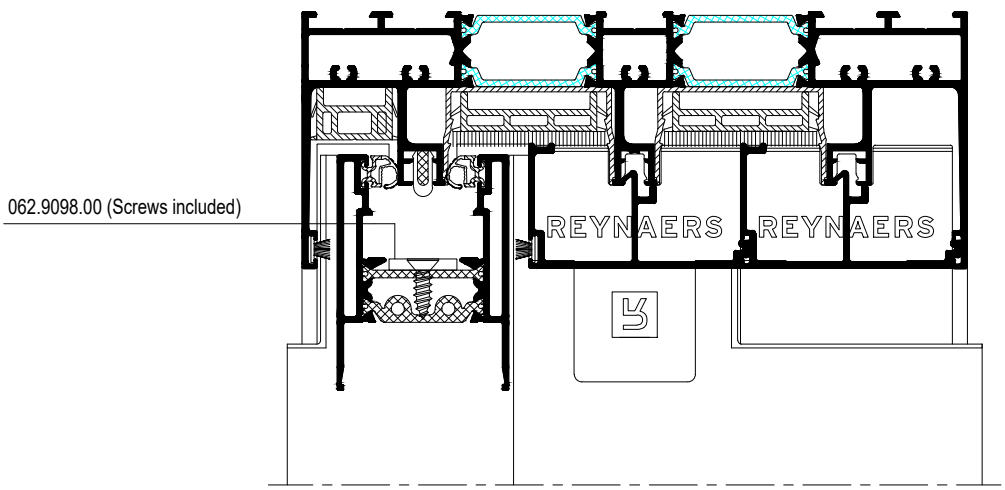
schaal - échelle
scale - Maßstab
1/2

F

ALLEEN OP X-VLEUGEL
SEULEMENT SUR OUVRANT X
ONLY ON X VENT
NUR SUR X GANGFLUEGEL





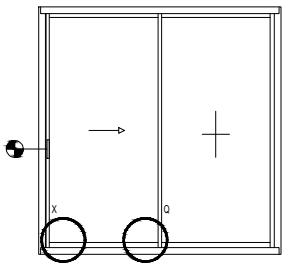


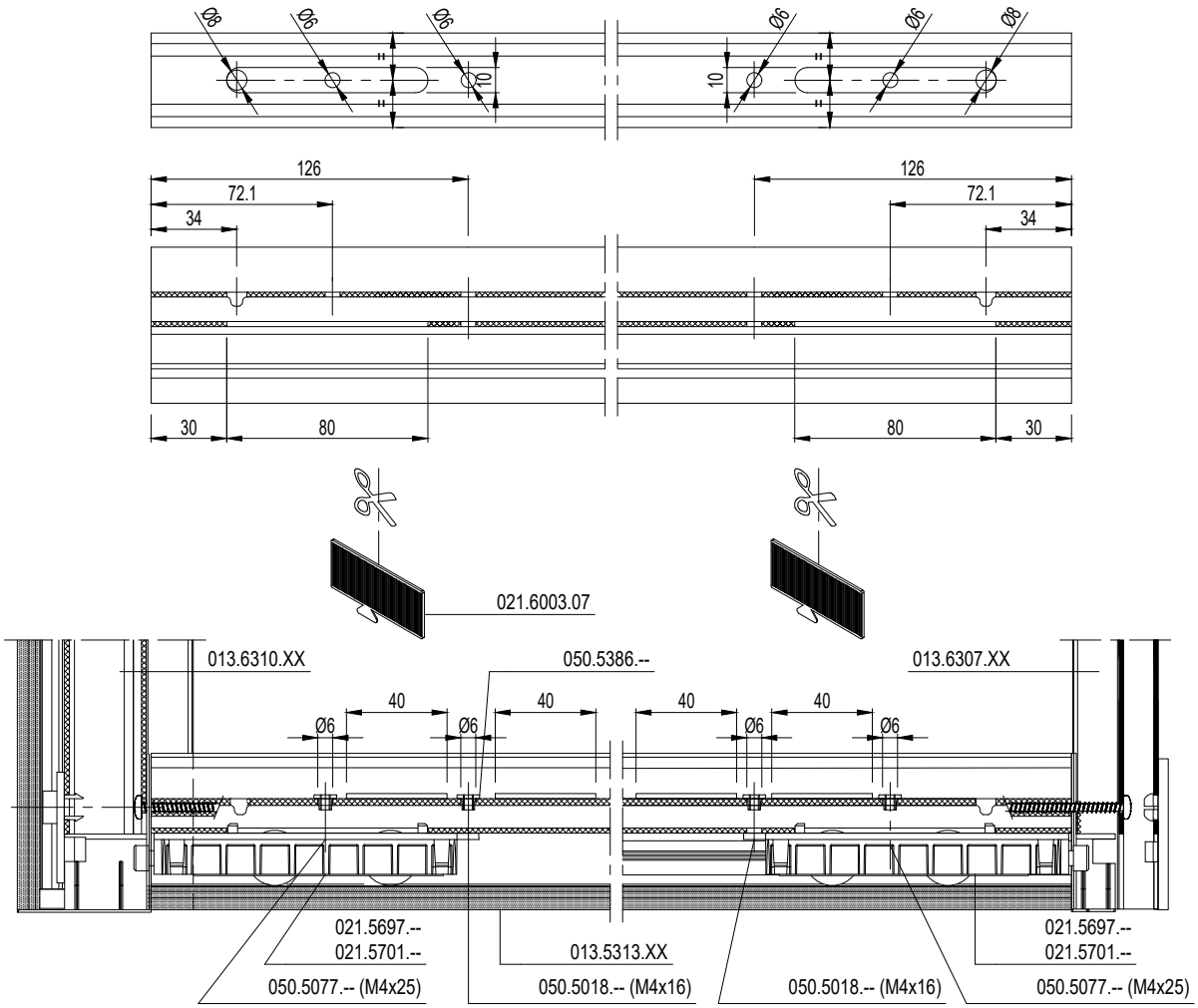
schaal - échelle
scale - Maßstab
1/2

F

SlimPatio 68-AP

INBRAAKWEREND
PROTECTION ANTI-VOL
BURGLAR PROTECTION
EINBRUCHHEMMEND



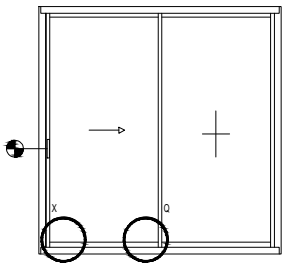


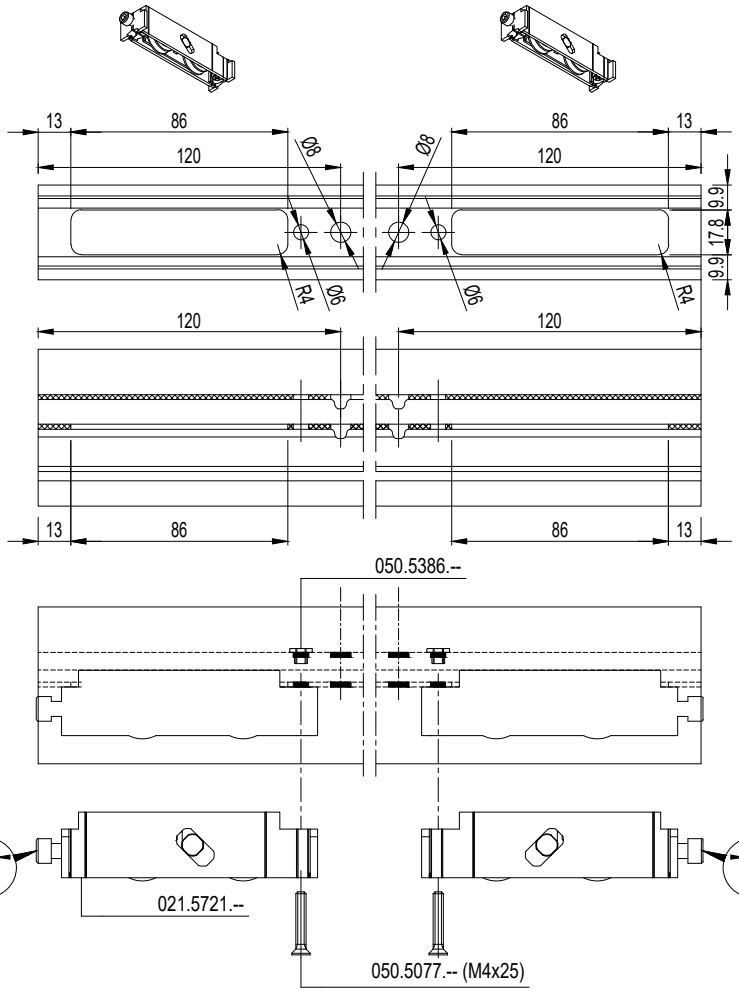
MAAK HET GAT VAN DIAMETER 8MM MANUEEL
LE TROU DE DIAMETRE 8MM DOIT ETRE FAIT MANUELLEMENT
MAKE THE HOLE OF 8MM MANUALLY
MACHEN SIE DAS LOCH VAN DURCHMESSER 8MM MANUELL

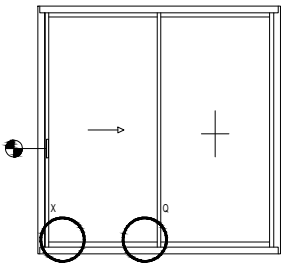
	SV/LV
197.D400.00	013.5313.XX
-	
-	
-	

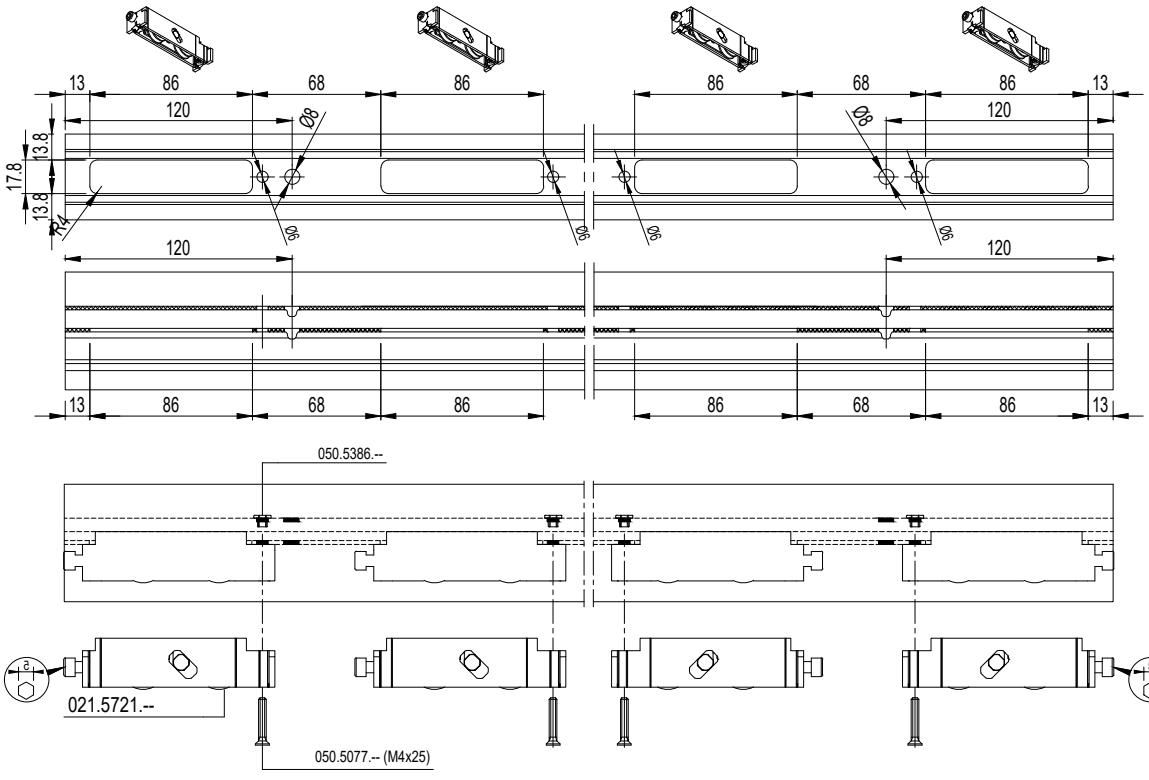
F

schaal - échelle
scale - Maßstab
1/3



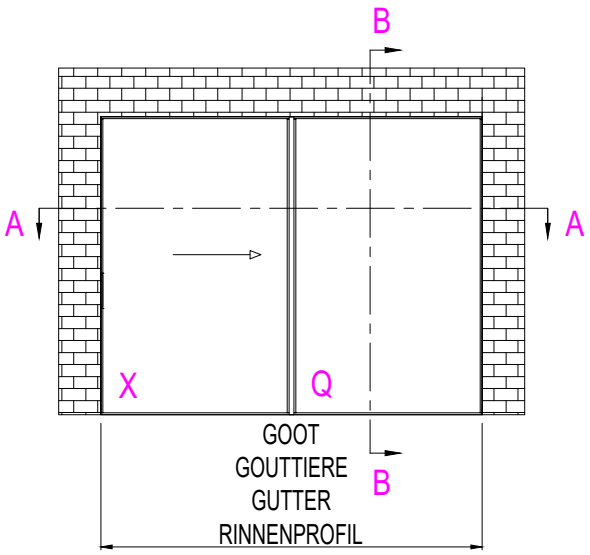






schaal - échelle
scale - Maßstab
1/3

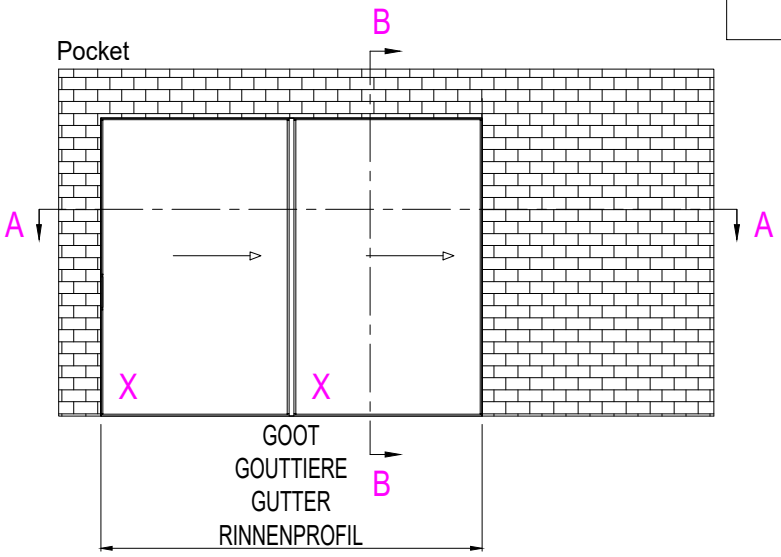
F



			#	Lm	
106.0083.17			1	B - 140	25D.C. ...
106.0090.XX			1	B - 140	25D.C. ...
034.0420.XX			1/500mm	50	25D.C. ...

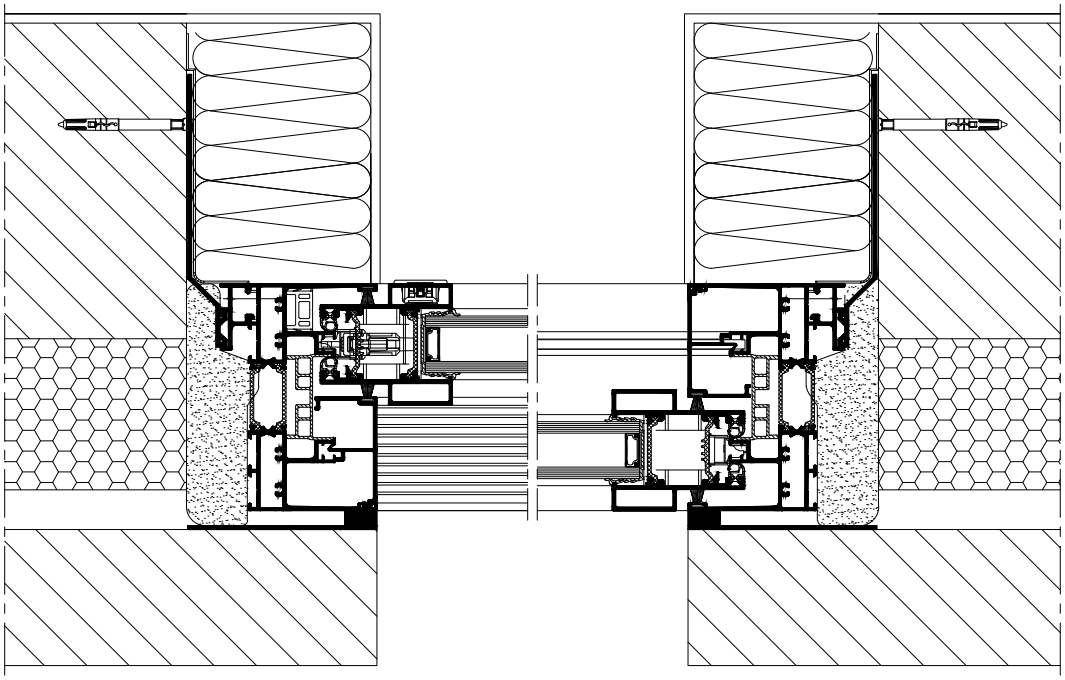
Pocket

			#	Lm	
106.0083.17			1	TB - 4	25D.C. ...
106.0090.XX			1	TB - 4	25D.C. ...
034.0420.XX			1/500mm	50	25D.C. ...

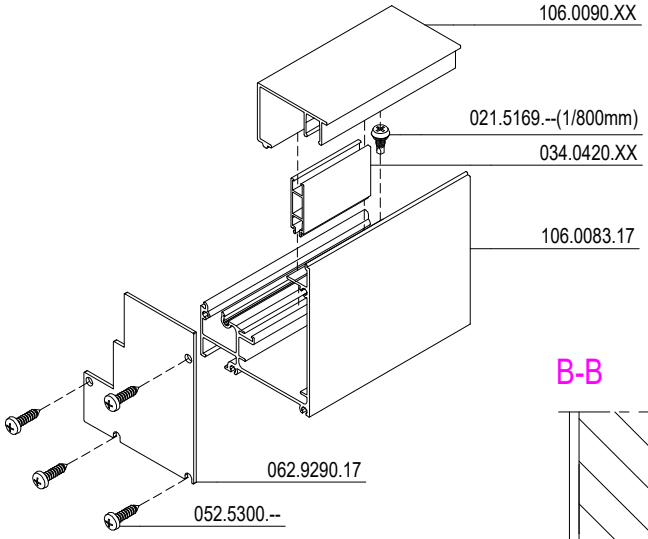


			#	
080.9381.04			B	25D.G. ...
062.9290.17			2	25D.G. ...
052.5300.--			8	25D.G. ...
021.5169.--			1/800mm	25D.G. ...
A. 056.6271.--			47J.B	
056.6274.--			47J.B	
B. 056.6272.--			47J.B	
056.6275.--			47J.B	

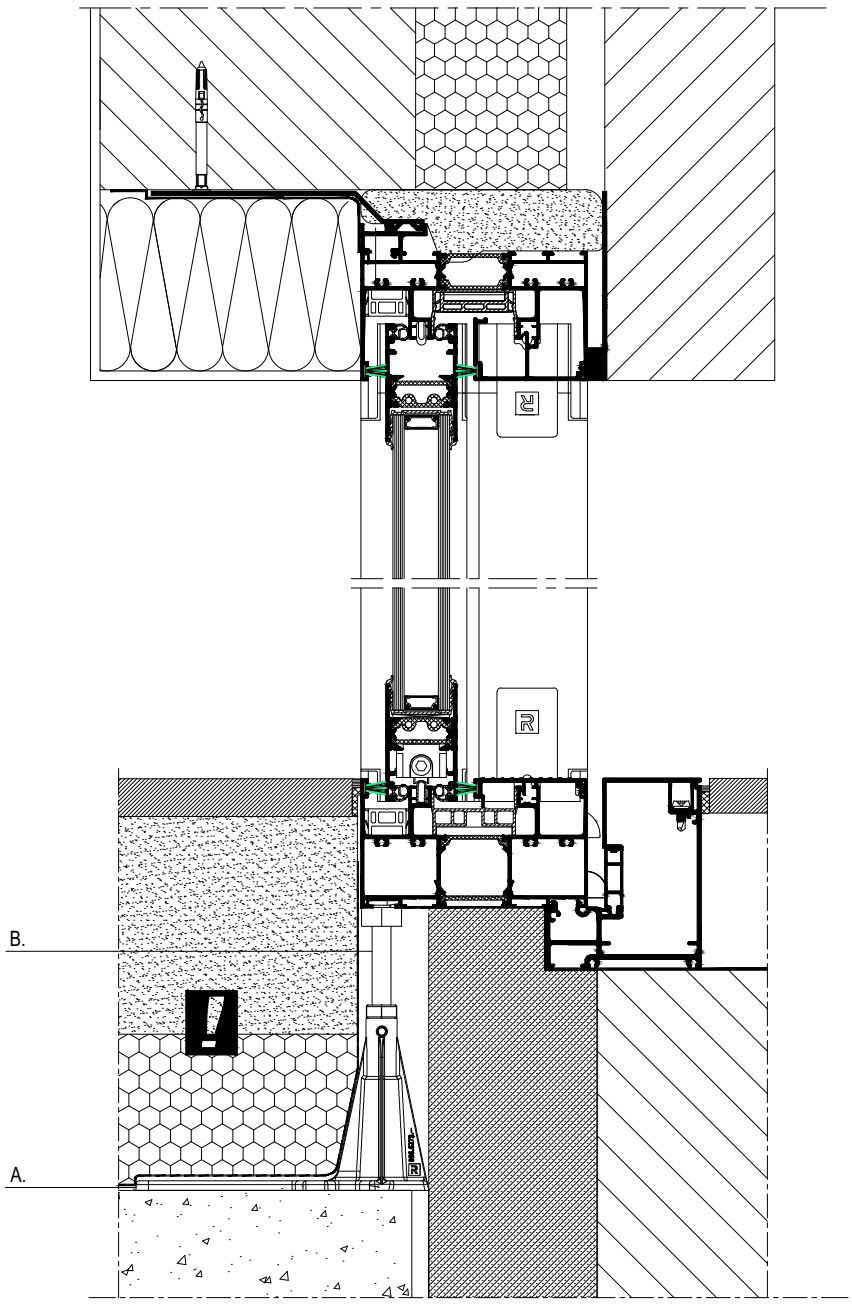
A-A



schaal - échelle
scale - Maßstab
1/4



B-B

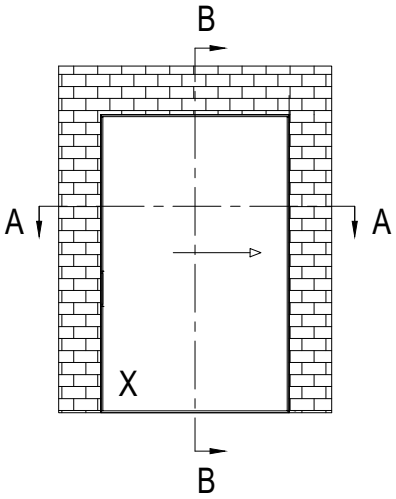


!	DRUKVAST ISOLEREND MATERIAAL MATERIEL ISOLANTE ET RÉSISTANTE À LA COMPRESSION COMPRESSION-RESISTANT INSULATING MATERIAL DRUCKFEST ISOLIEREND MATERIAL

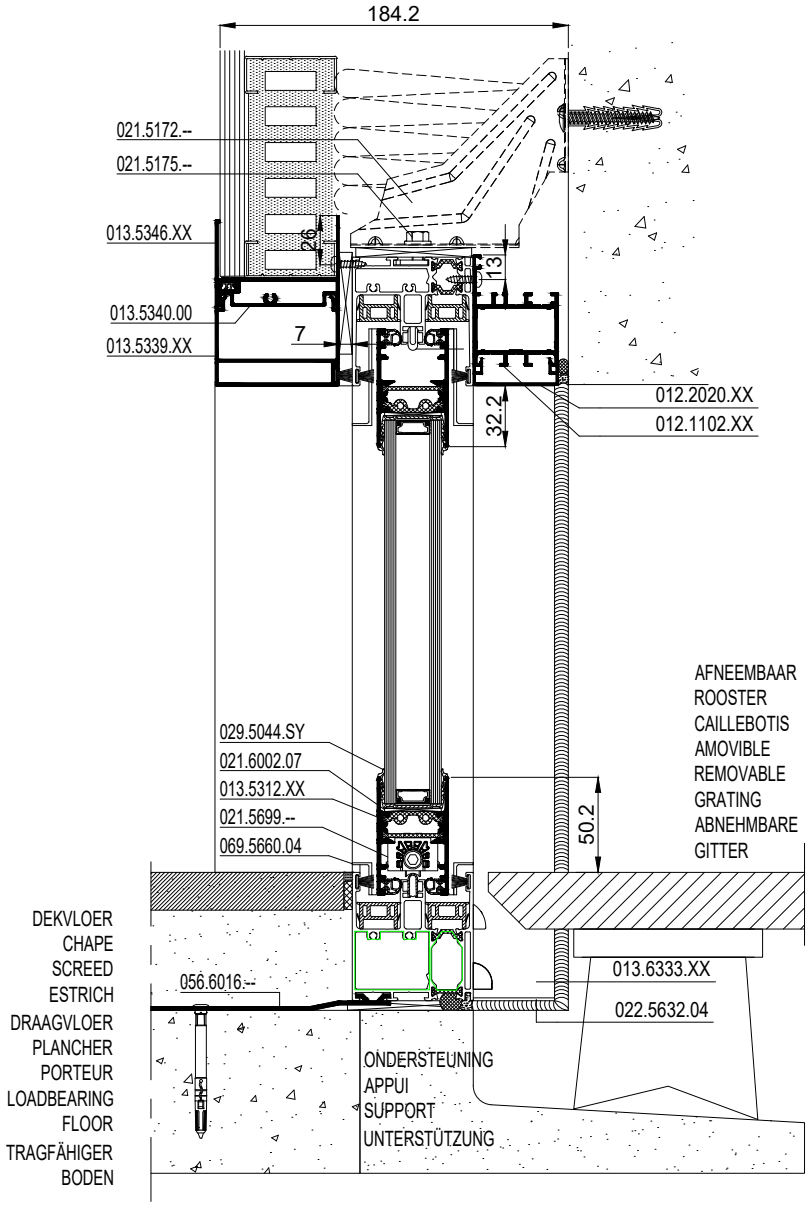
schaal - échelle
scale - Maßstab
1/4

D0102435

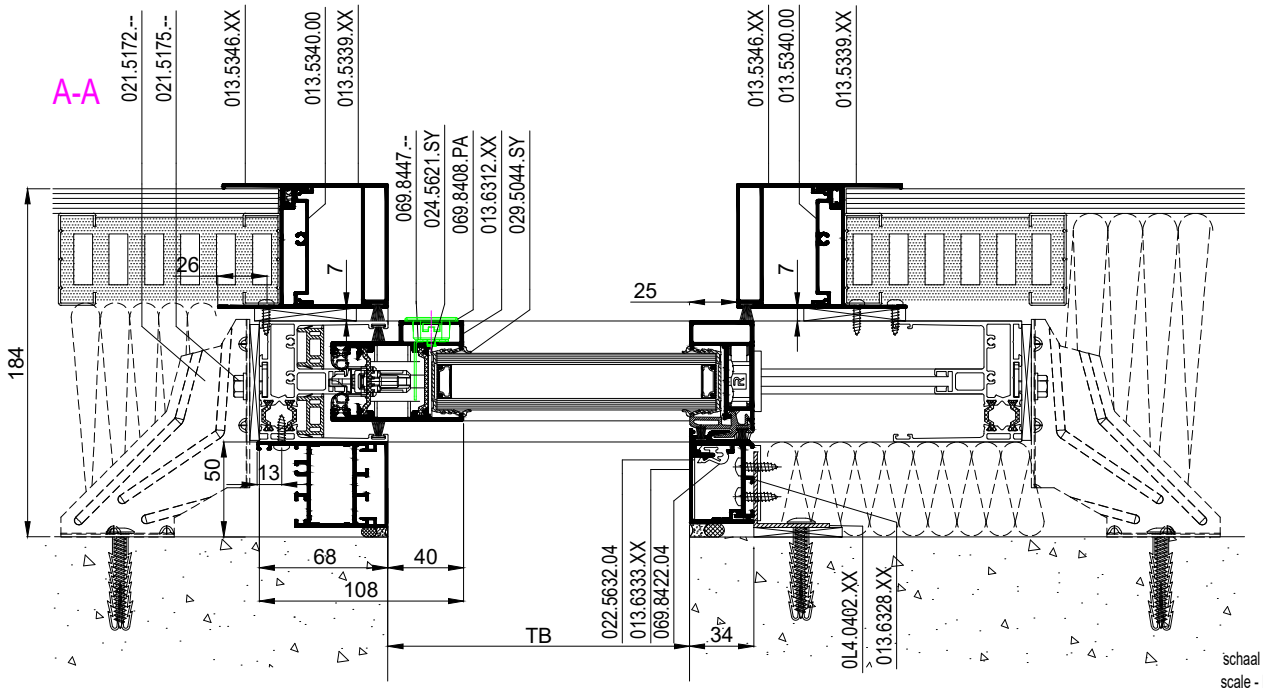
F



B-B



A-A



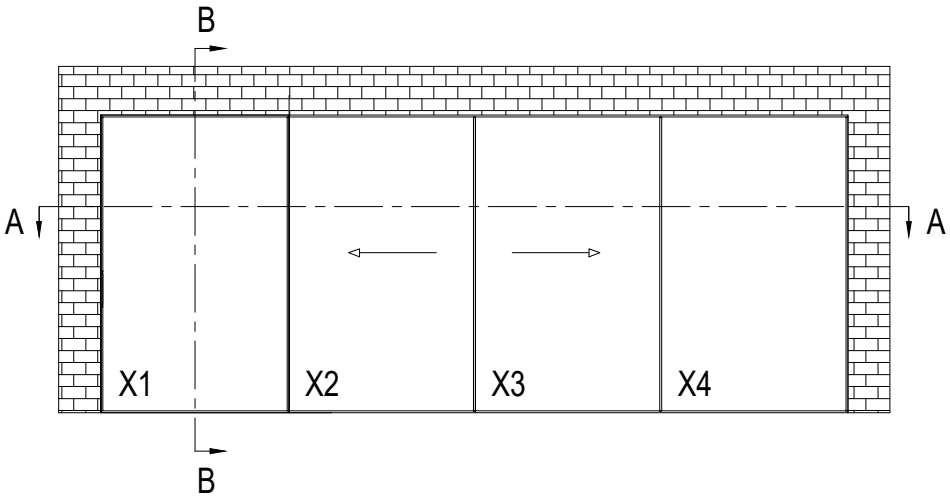
schaal - échelle
scale - Maßstab
1/4

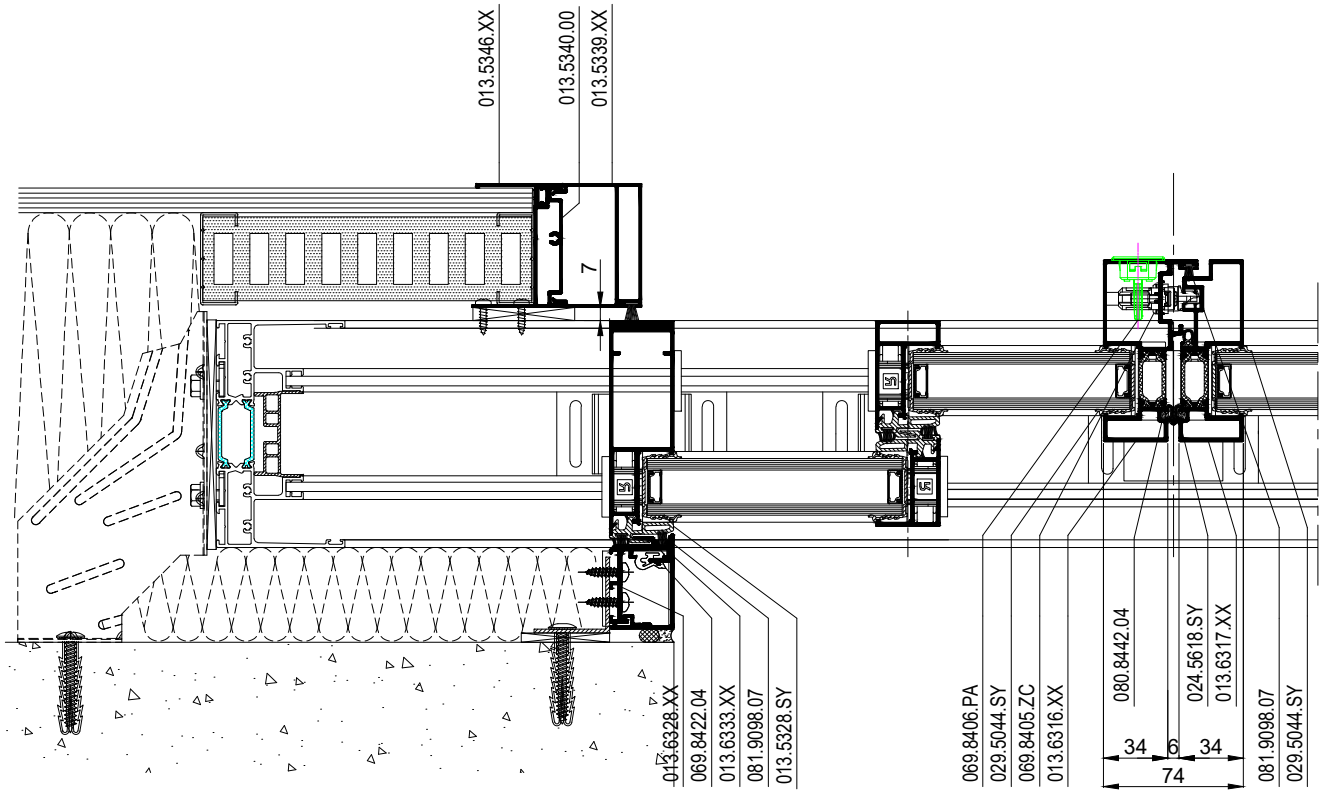
			#	Lm
013.5339.XX			1	H - 89
			1	H - 89
			1	TB + 120
013.5340.XX			1	H - 46
			1	H - 46
			1	TB + 205
013.5346.XX			1	H - 48.5
			1	H - 48.5
			1	TB + 200
012.1102.XX			1	H
			1	TB + 103
012.2020.XX			1	H + 55
			1	TB + 48.5
013.6328.XX			1	H - 70
013.6333.XX			1	H - 70
0L4.0402.00			1	H - 70
004.3140.17			2	TB + 150

		#
022.5632.04		2

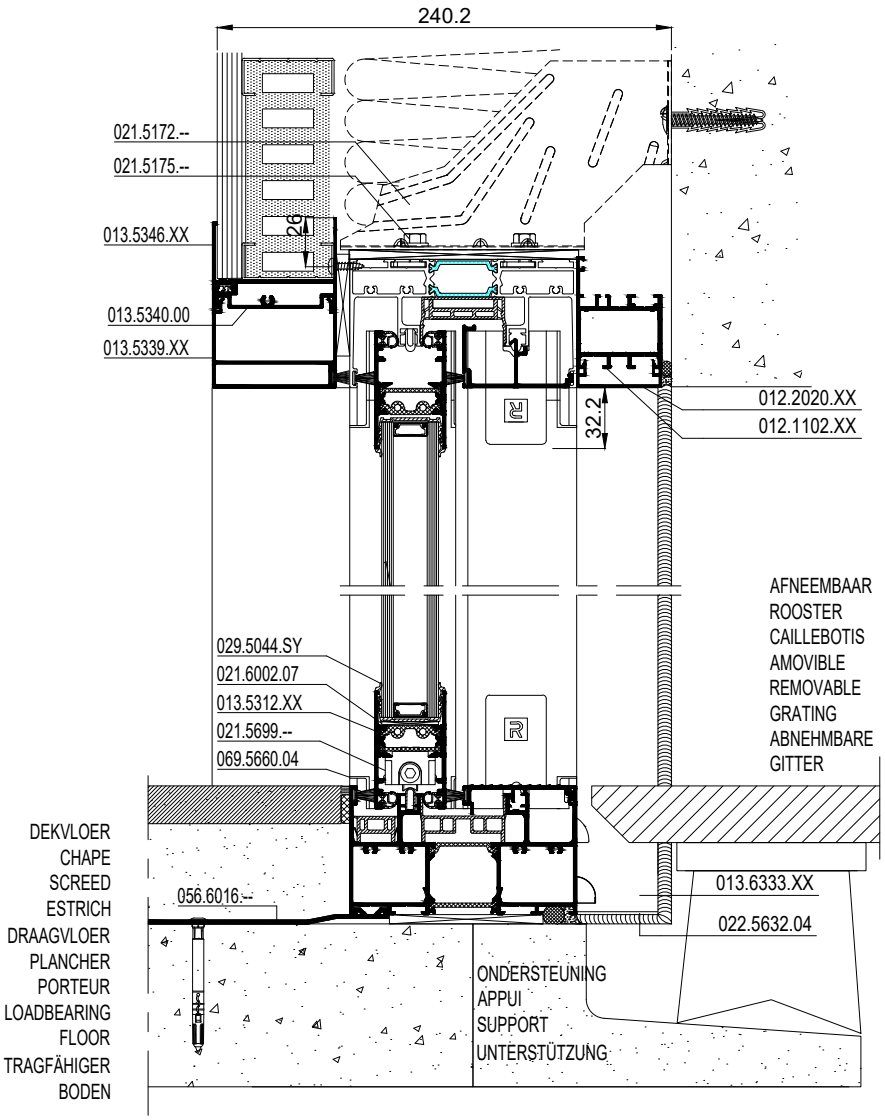
F

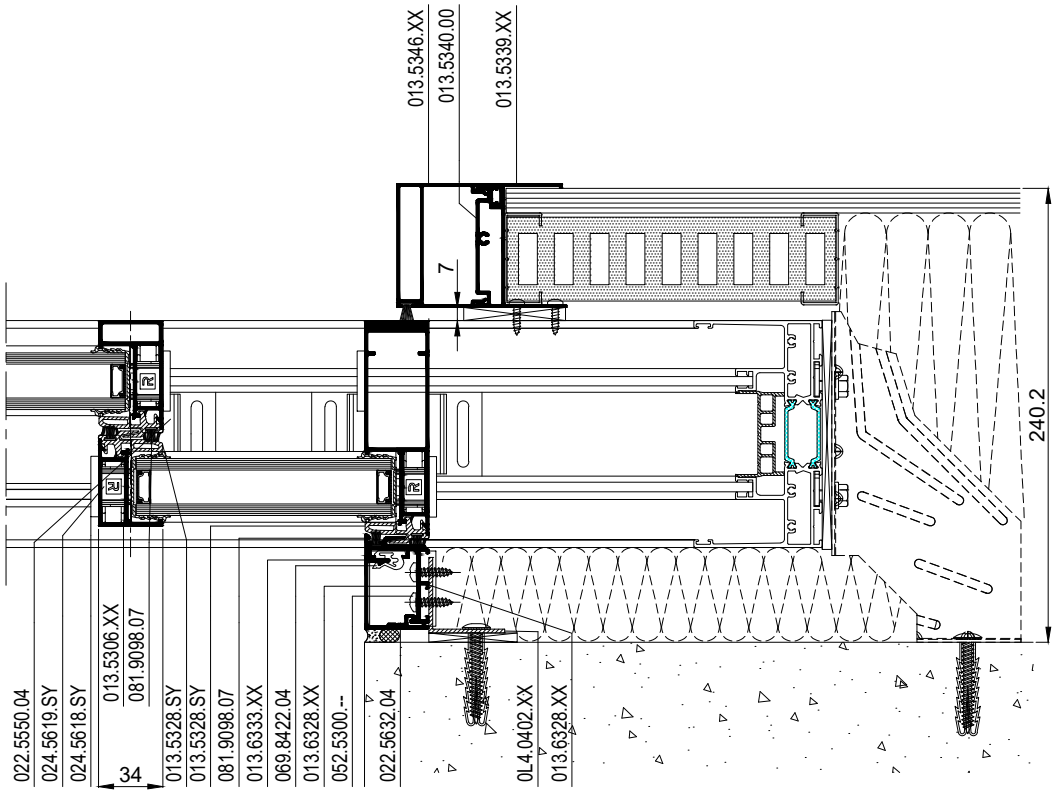
schaal - échelle
scale - Maßstab
1/2


B
A
A
X1
X2
X3
X4
B


013.5346.XX
013.5340.00
013.5339.XX
3
7
013.6328.XX
069.8422.04
013.6333.XX
081.9098.07
013.5328.SY
069.8406.PA
029.5044.SY
069.8405.ZC
013.6316.XX
080.8442.04
024.5618.SY
013.6317.XX
34
6
34
74
081.9098.07
029.5044.SY

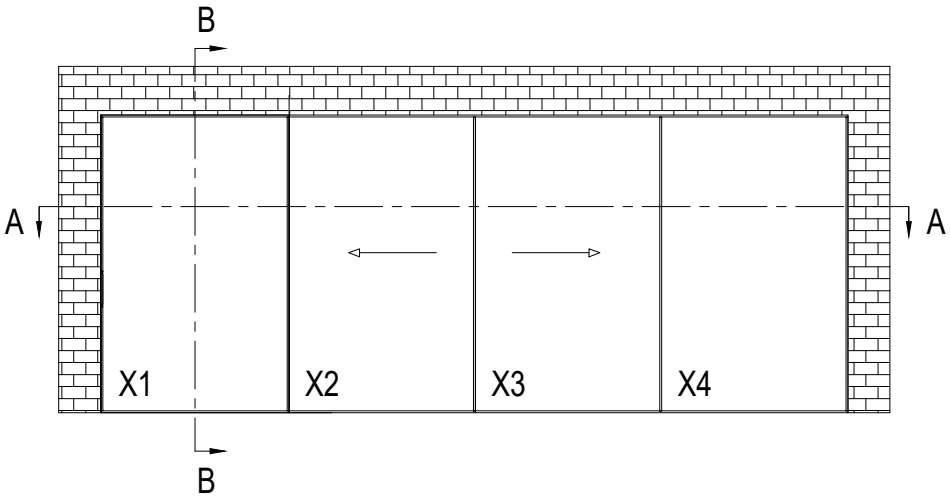
F

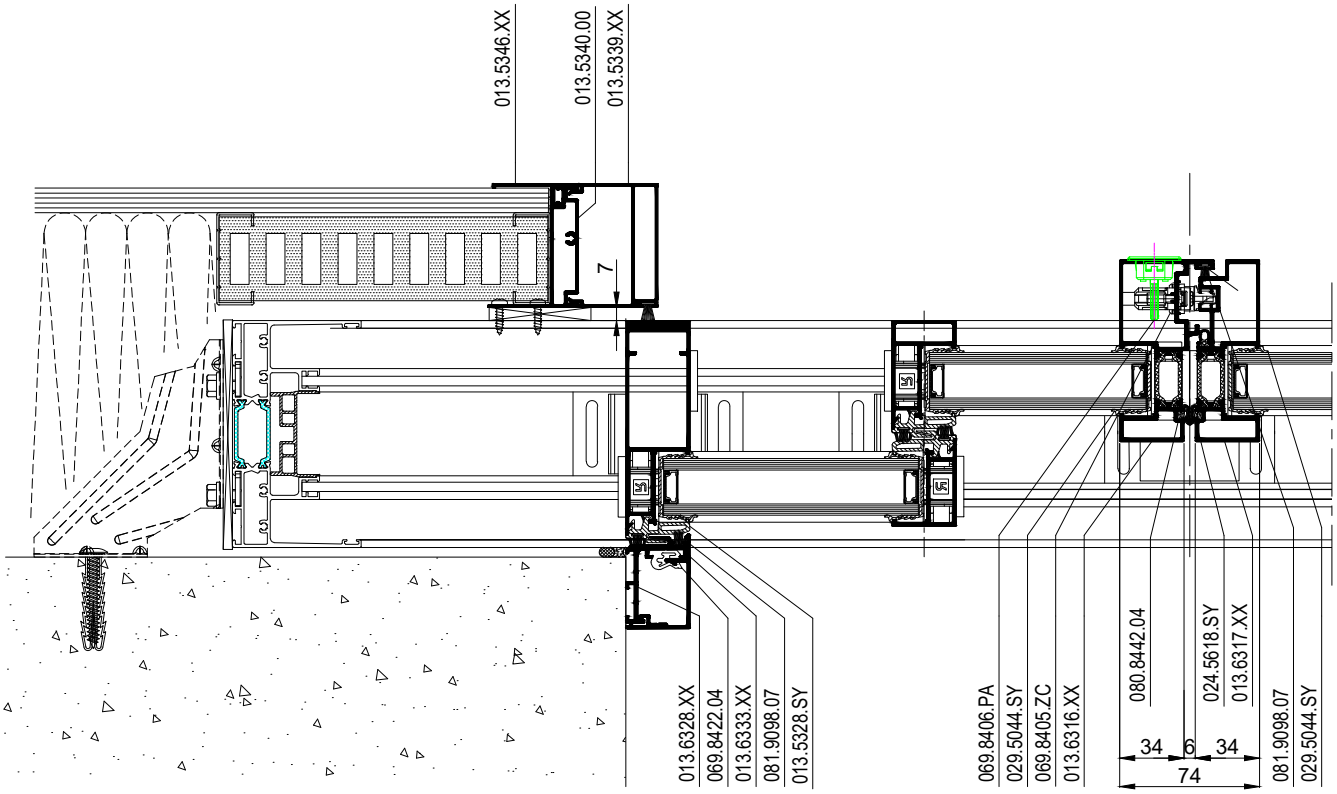




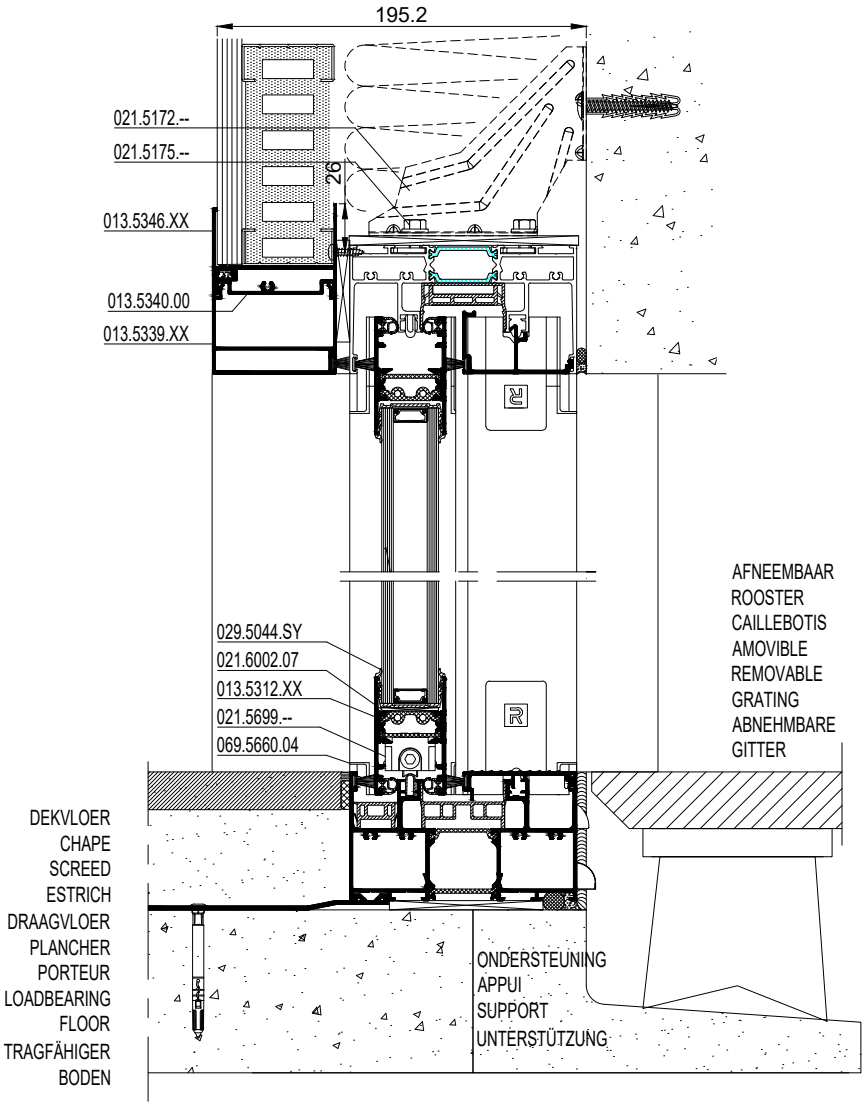
schaal - échelle
scale - Maßstab
1/4

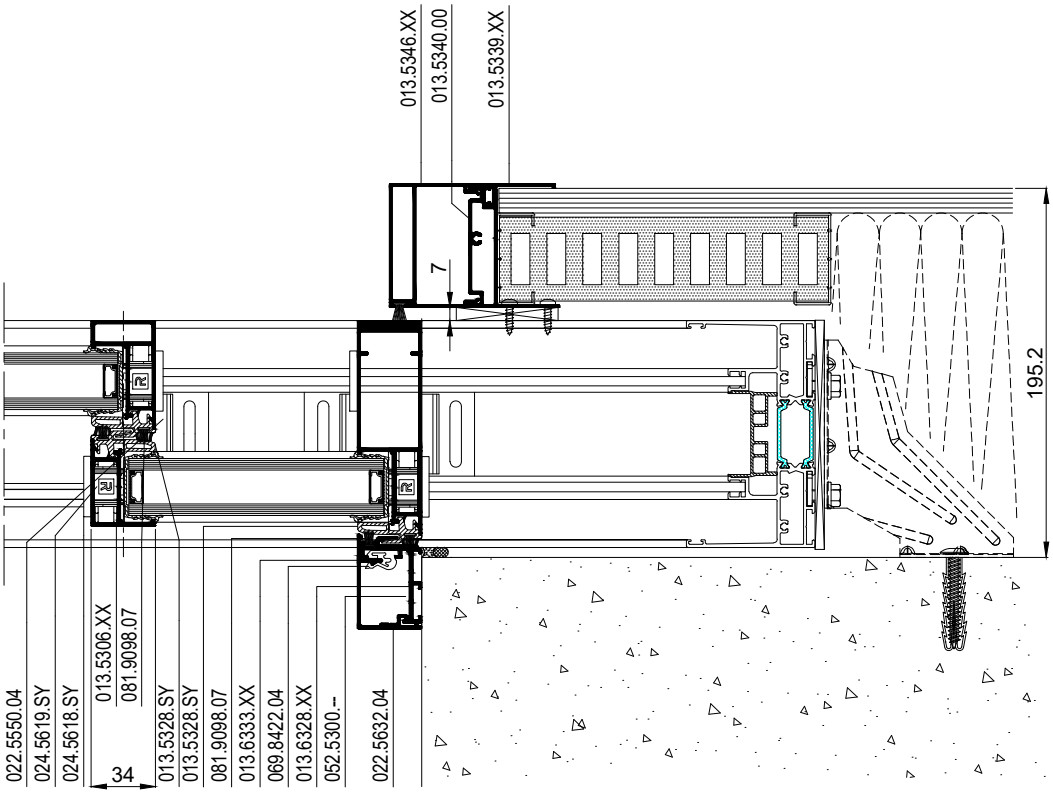
F


B
A
A
X1
X2
X3
X4
B


013.5346.XX
013.5340.00
013.5339.XX
3
7
013.6328.XX
069.8422.04
013.6333.XX
081.9098.07
013.5328.SY
069.8406.PA
029.5044.SY
069.8405.ZC
013.6316.XX
080.8442.04
024.5618.SY
013.6317.XX
34
6
34
74
081.9098.07
029.5044.SY

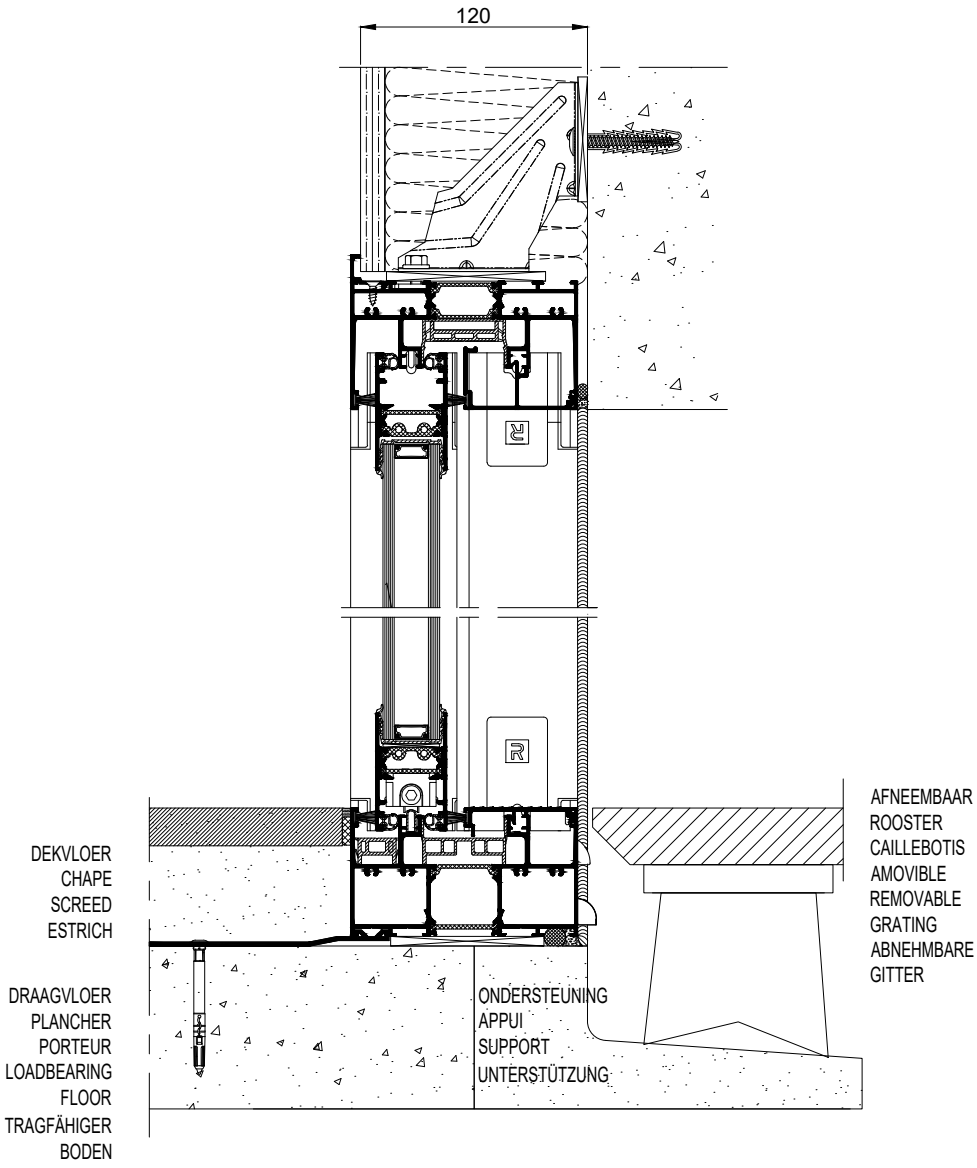
F

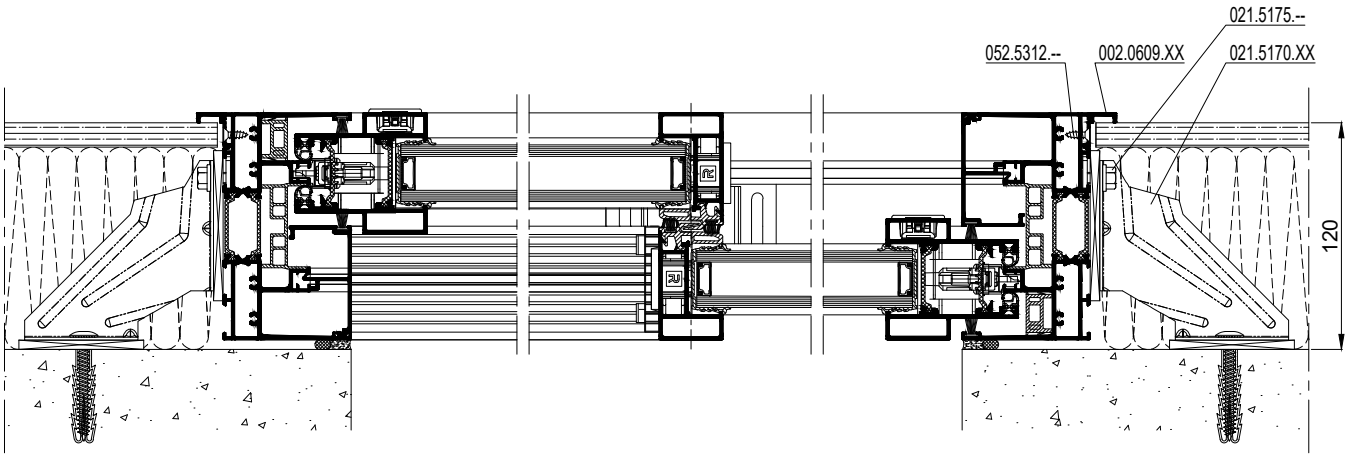




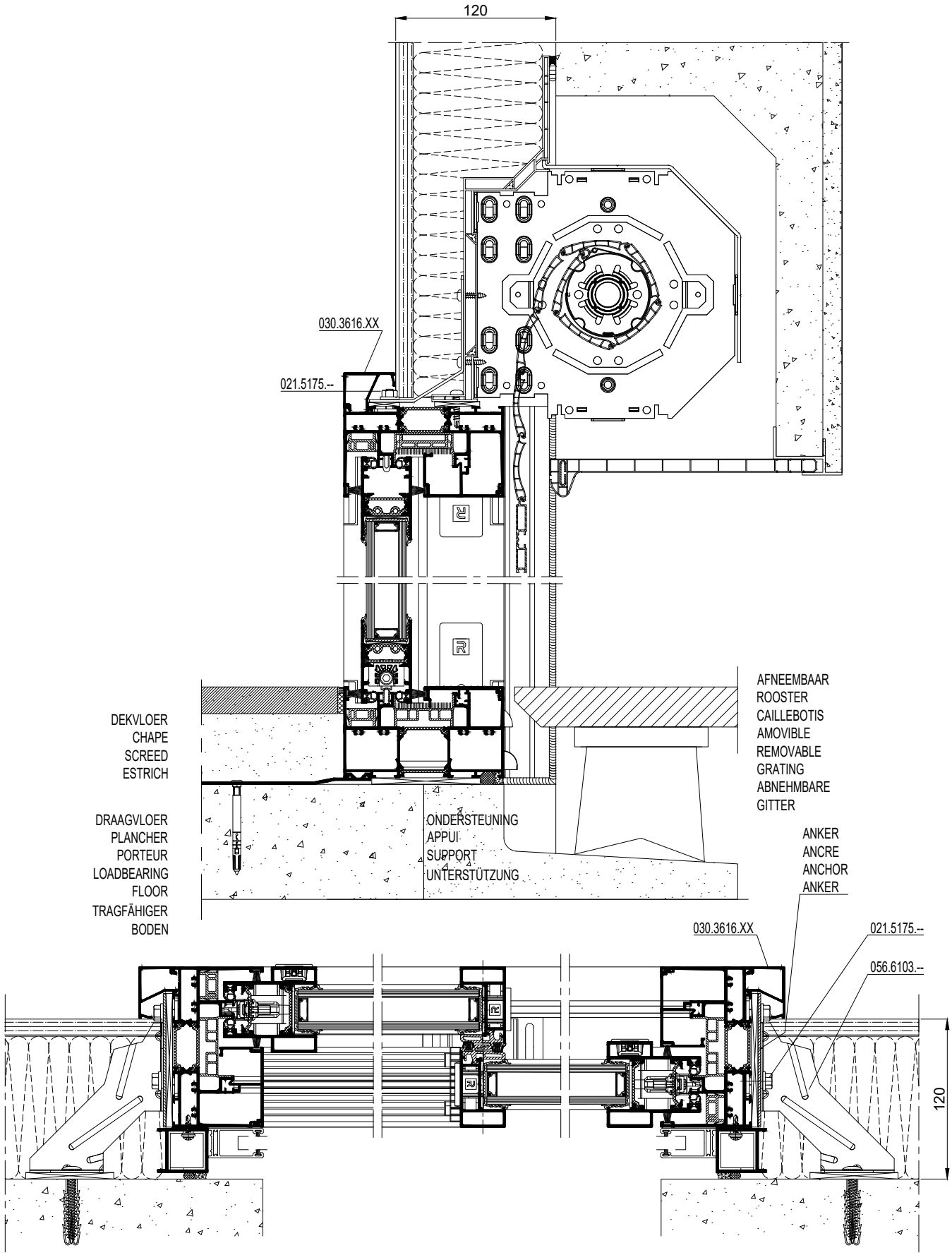
schaal - échelle
scale - Maßstab
1/4

F

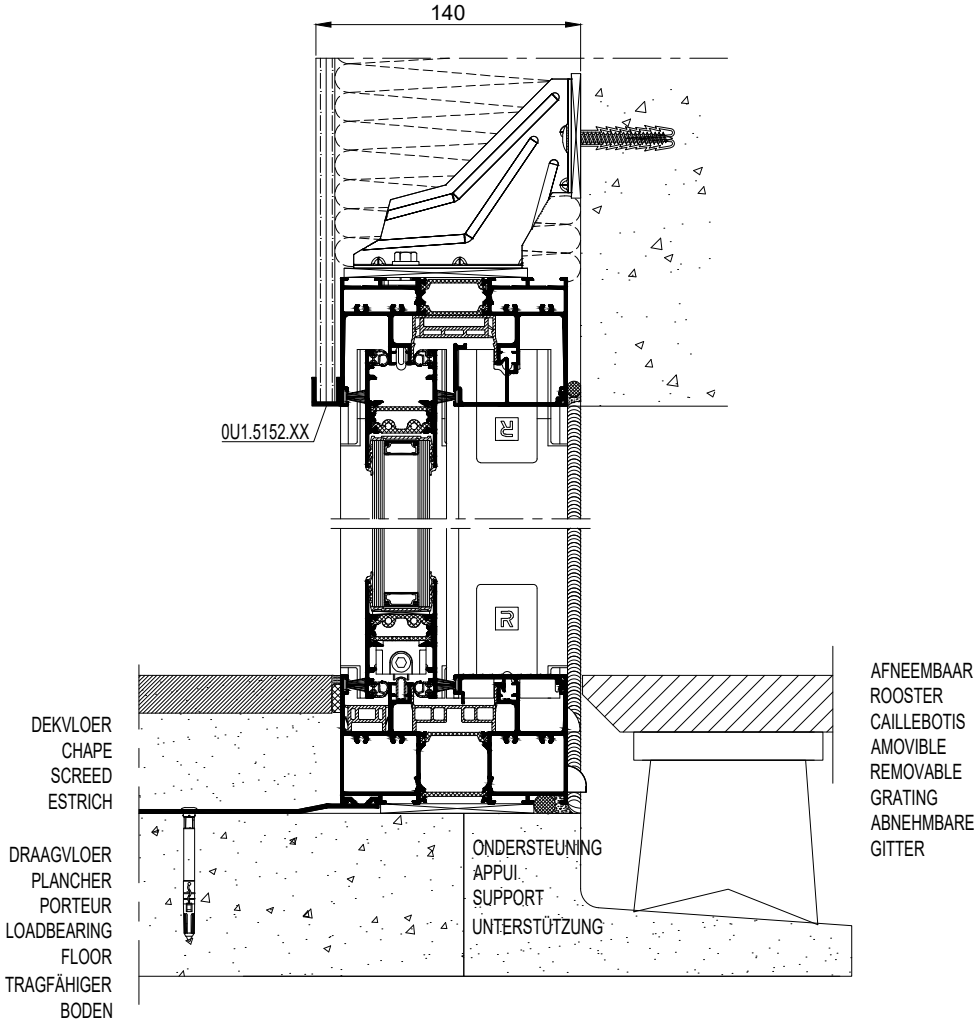


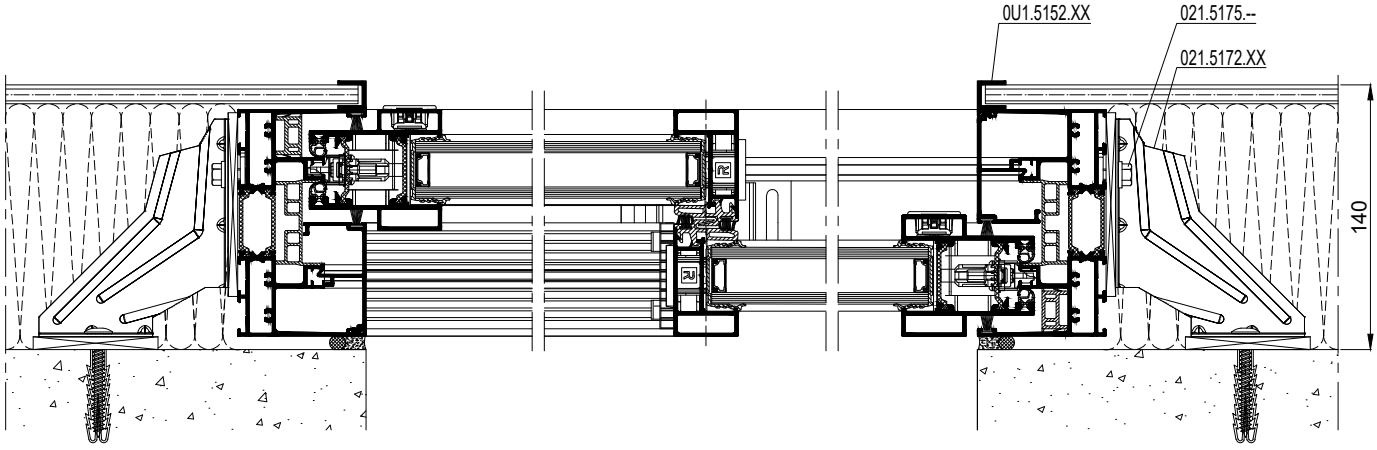


schaal - échelle
scale - Maßstab
1/4

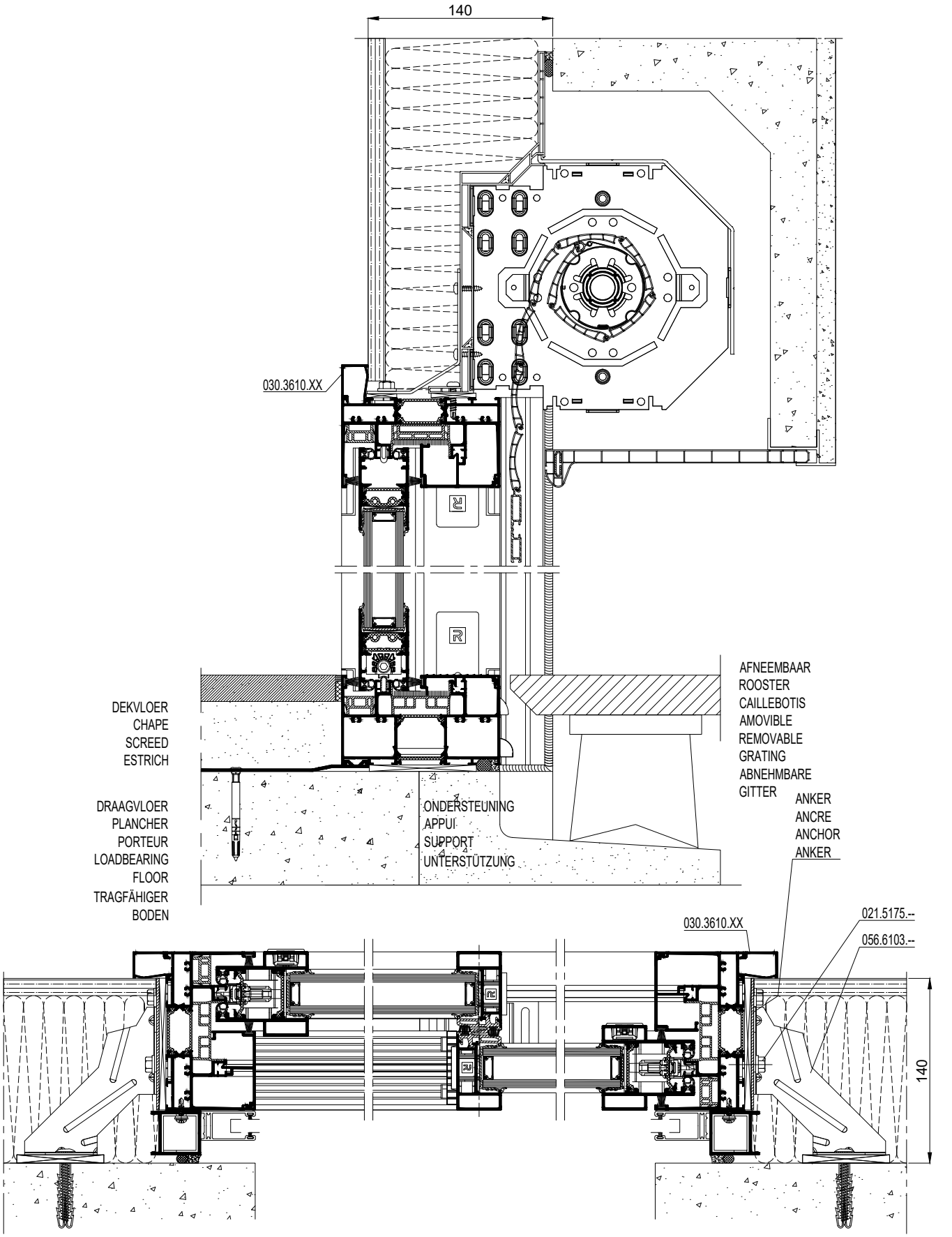


schaal - échelle
scale - Maßstab
1/4

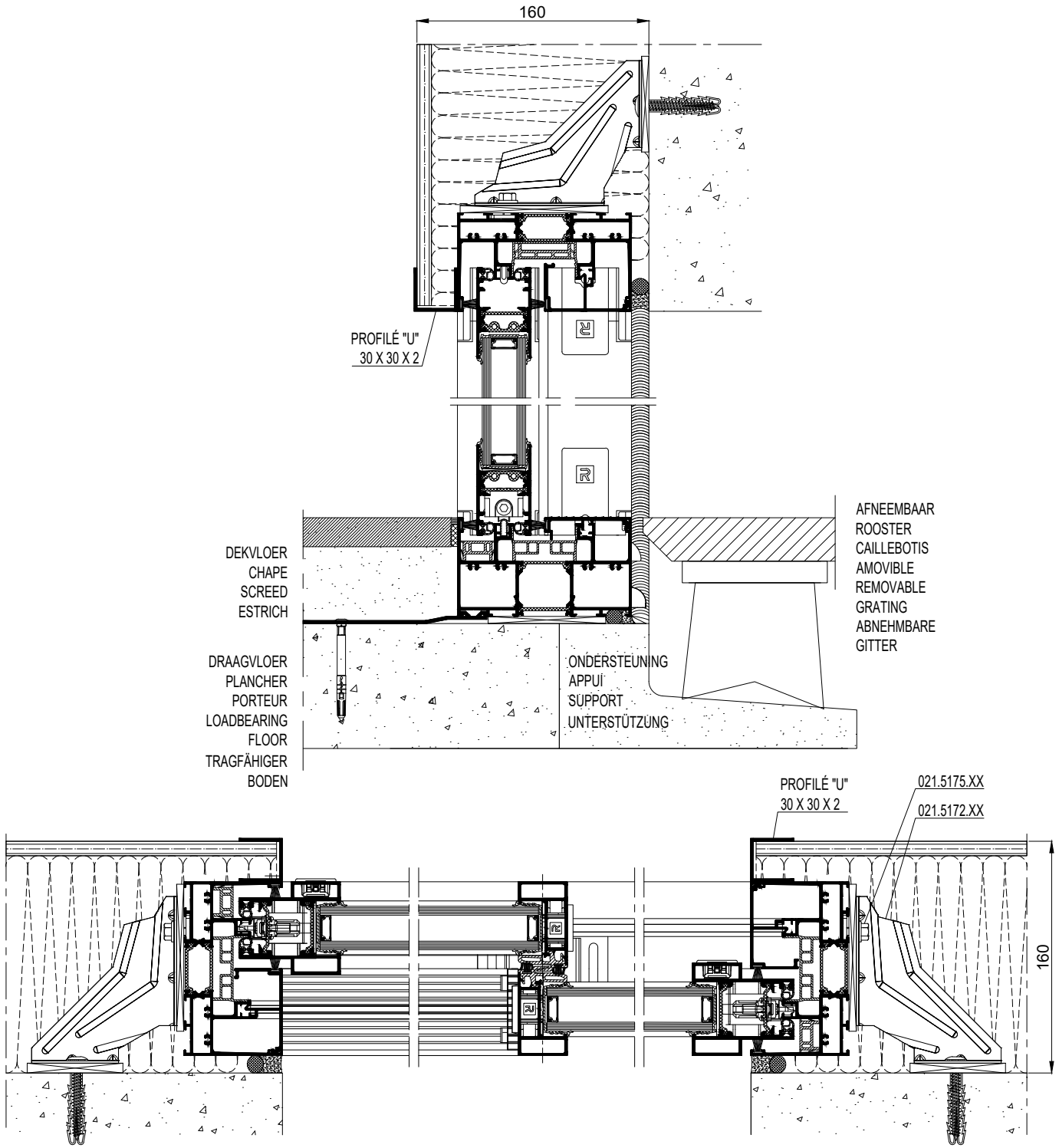




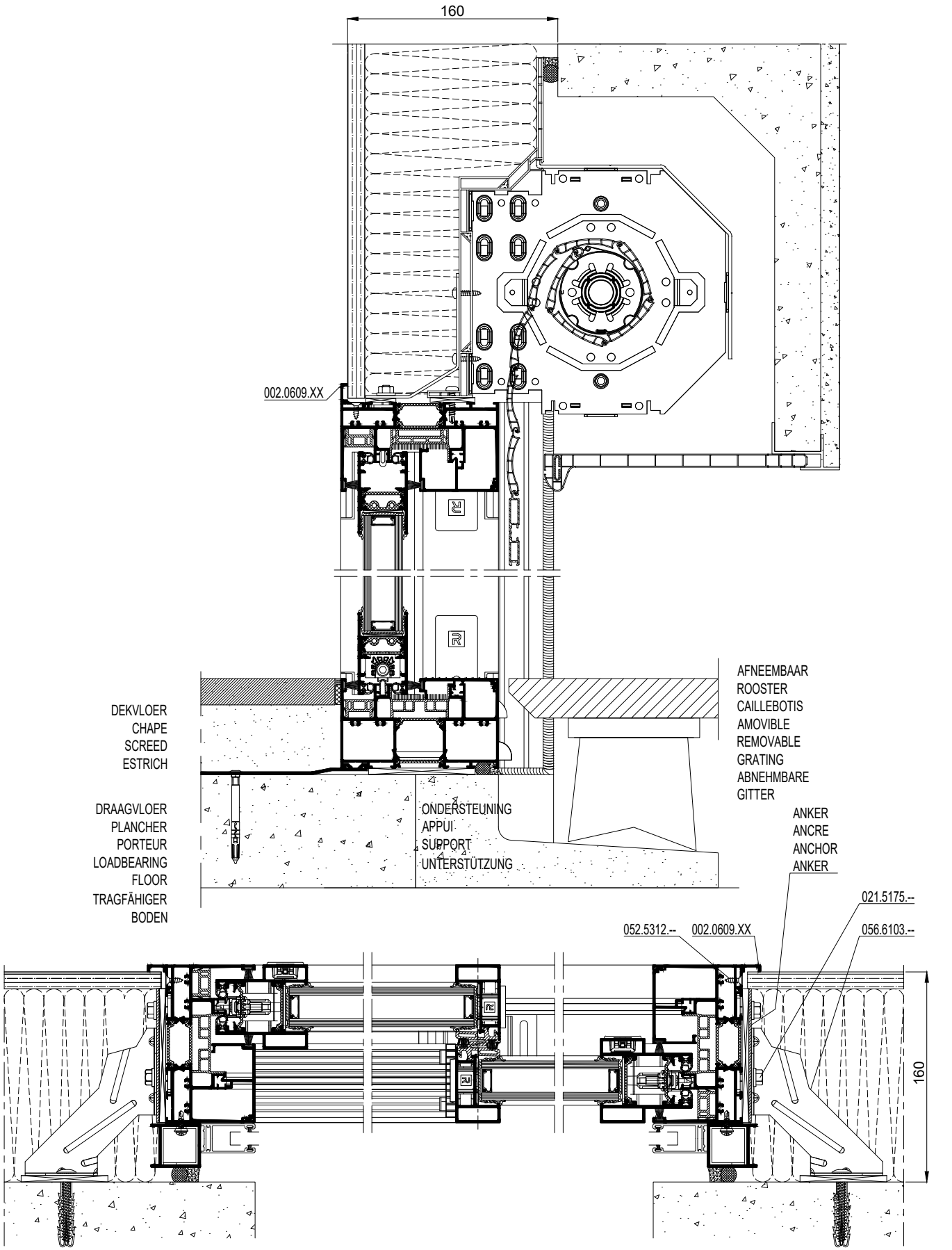
schaal - échelle
scale - Maßstab
1/4



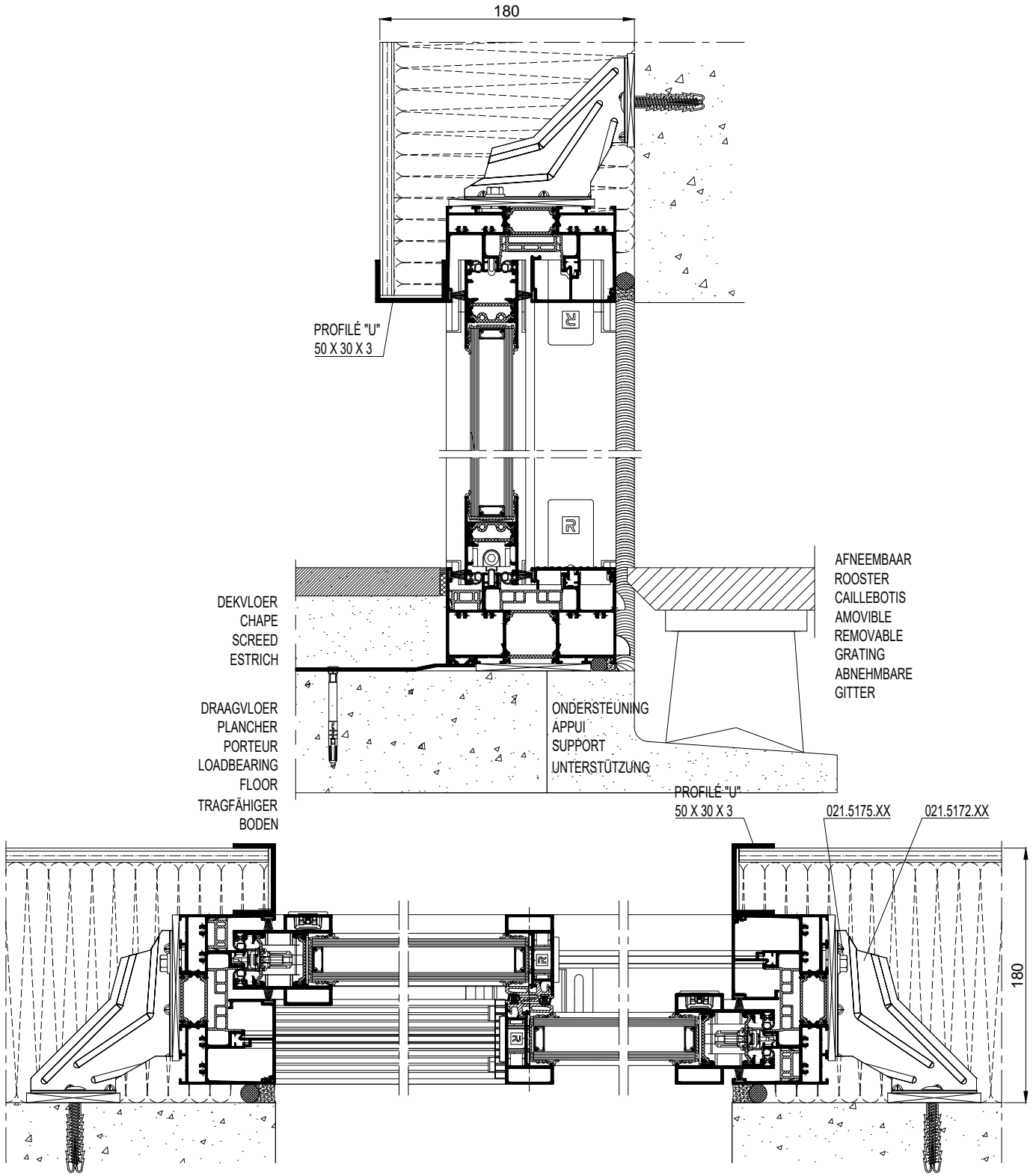
schaal - échelle
scale - Maßstab
1/4



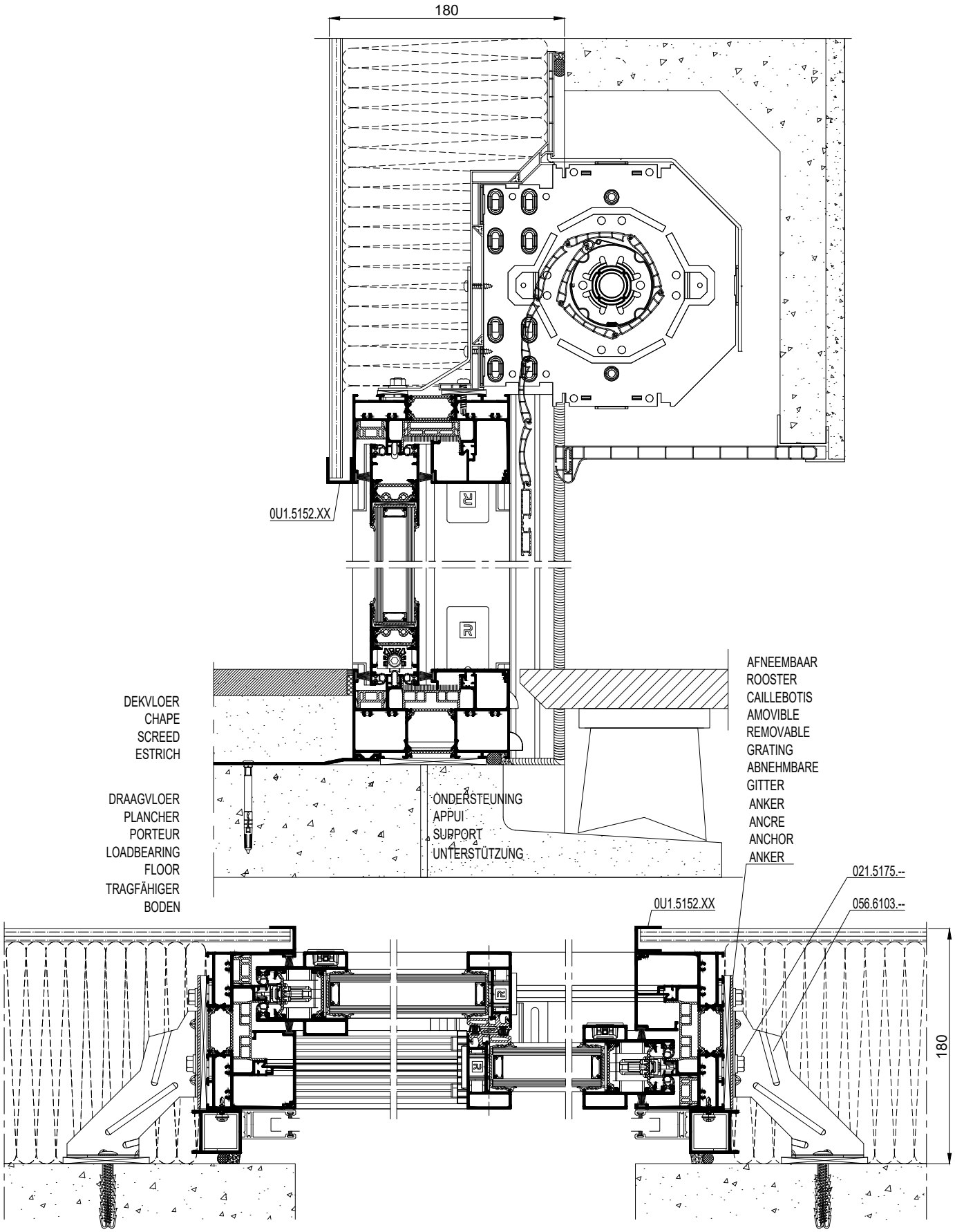
schaal - échelle
scale - Maßstab
1/4



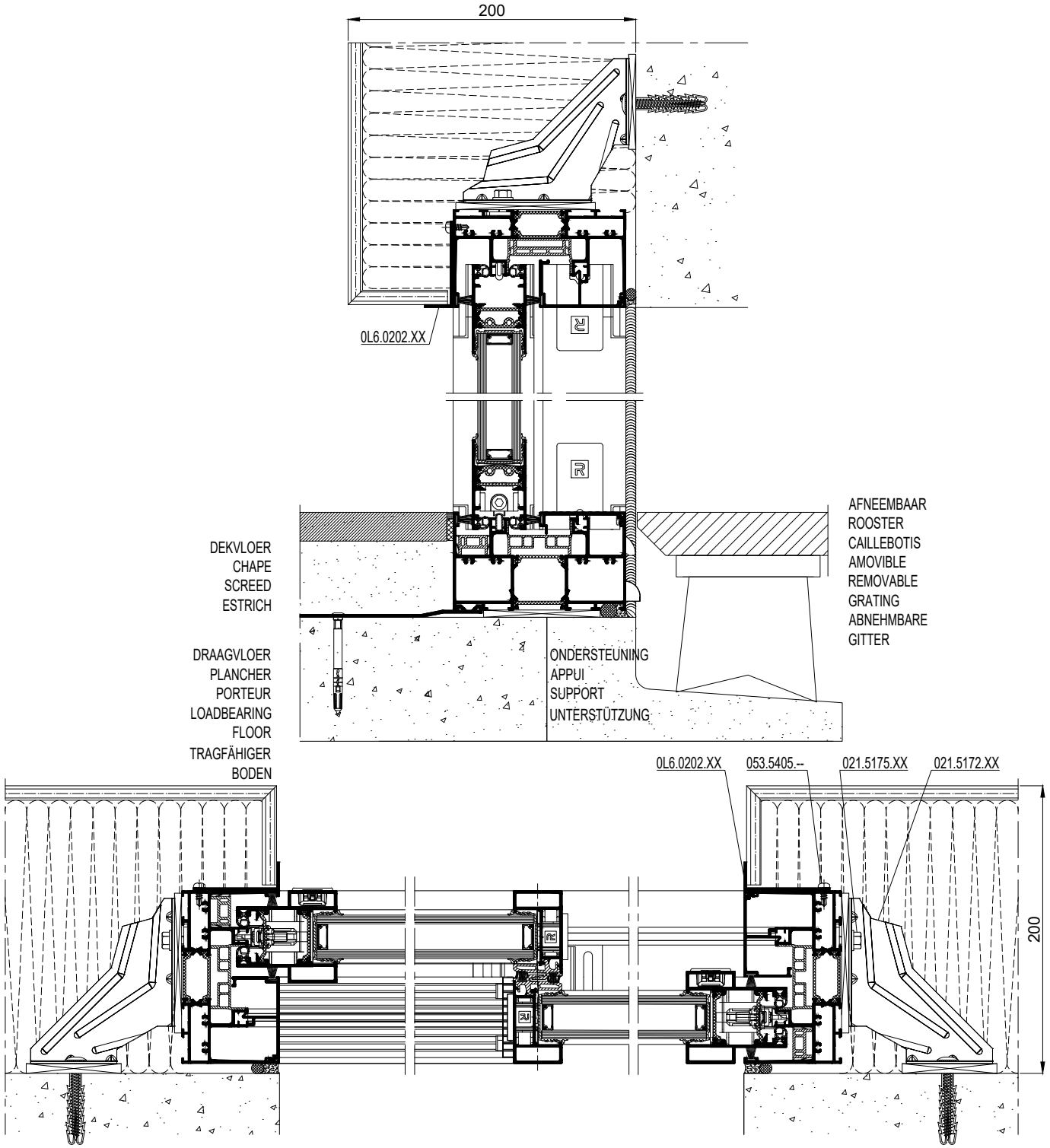
schaal - échelle
scale - Maßstab
1/4



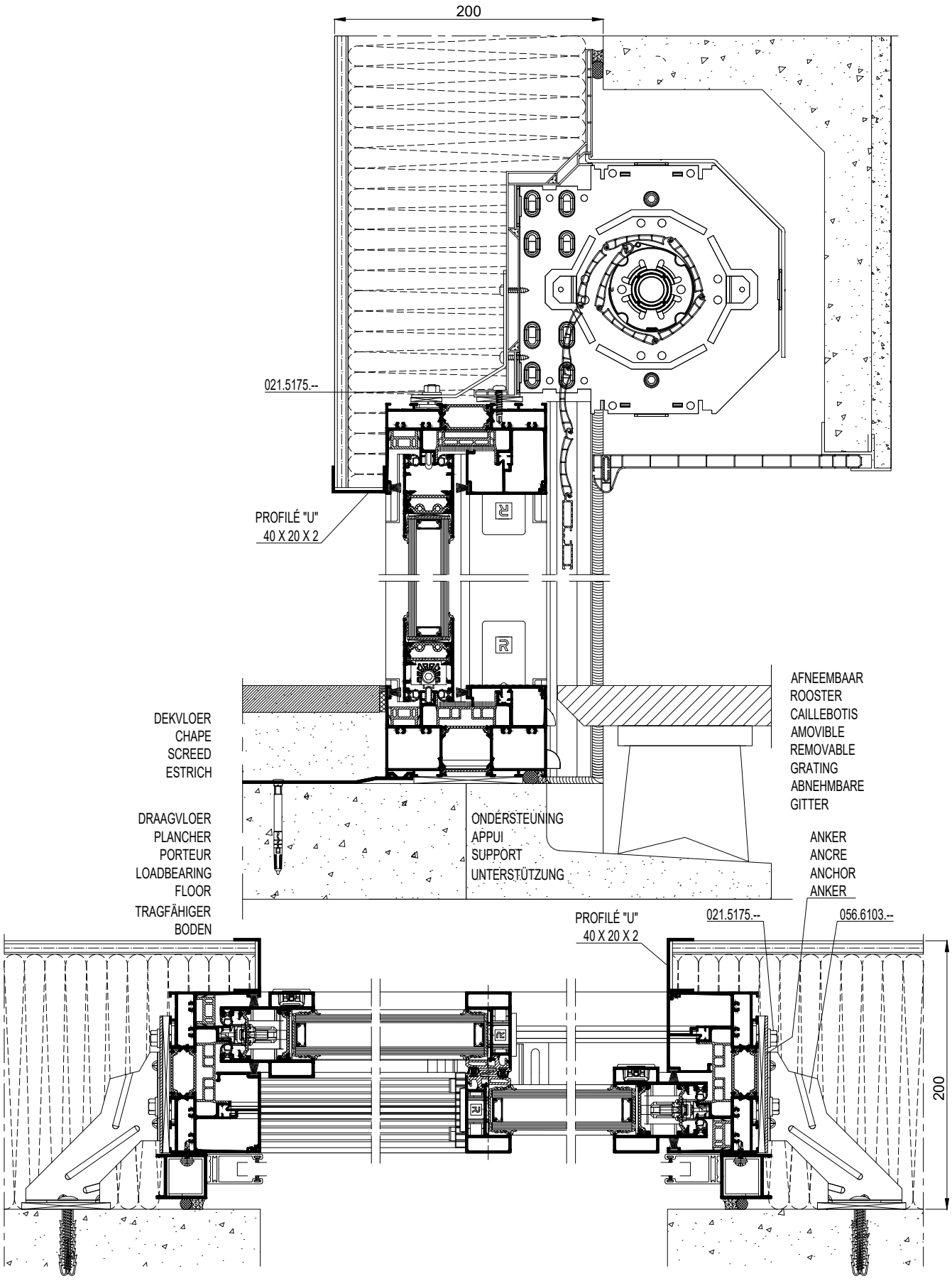
schaal - échelle
scale - Maßstab
1/4



schaal - échelle
scale - Maßstab
1/4



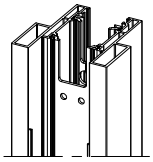
schaal - échelle
scale - Maßstab
1/4

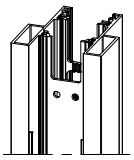


schaal - échelle
scale - Maßstab
1/4

LV: POST 2+3+4:

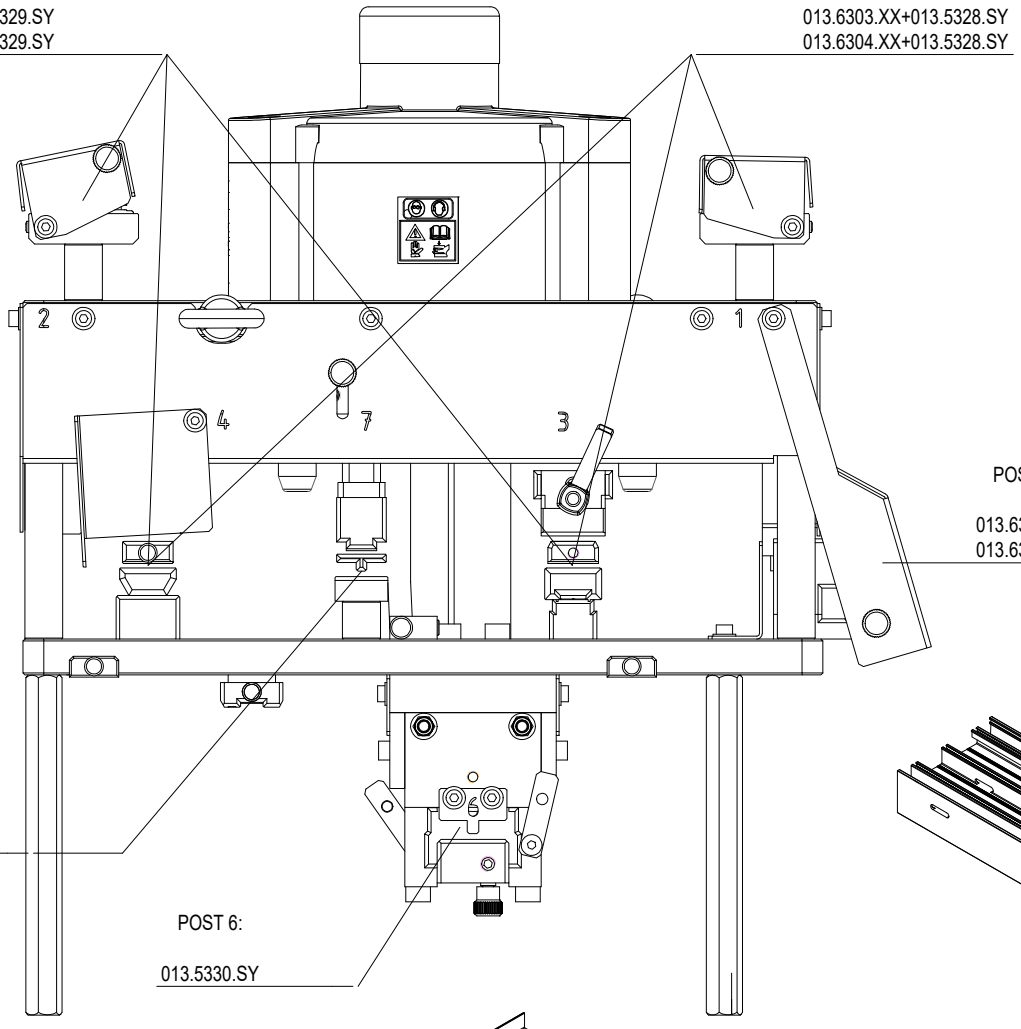
013.5303.XX
013.6310.XX
013.6311.XX
013.6313.XX
013.6410.XX
013.6411.XX
013.5309.XX+013.5329.SY
013.6307.XX+013.5329.SY
013.6308.XX+013.5329.SY
013.6309.XX+013.5329.SY





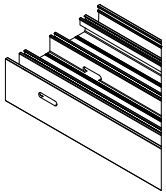
SV: POST 1+3+4:

013.6300.XX
013.6301.XX
013.6400.XX
013.6401.XX
013.6312.XX
013.5306.XX+013.5328.SY
013.6302.XX+013.5328.SY
013.6303.XX+013.5328.SY
013.6304.XX+013.5328.SY



POST 5:

013.6321.XX
013.6325.XX

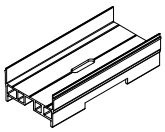


POST 7:

013.5312.XX
013.5313.XX

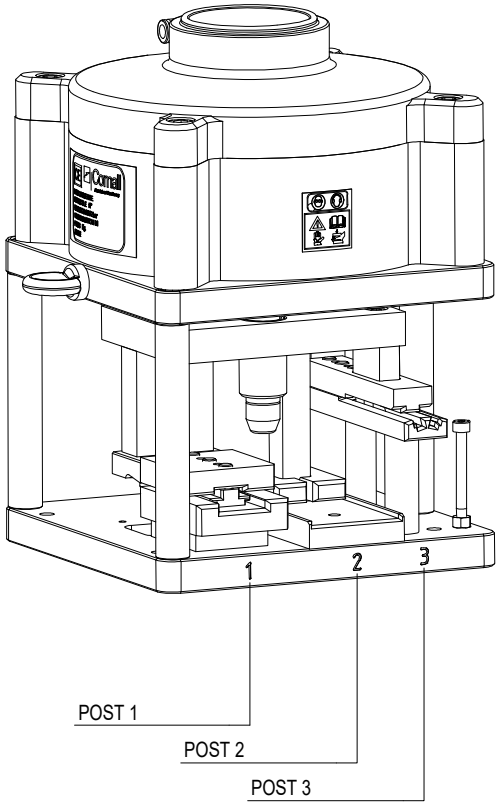
POST 6:

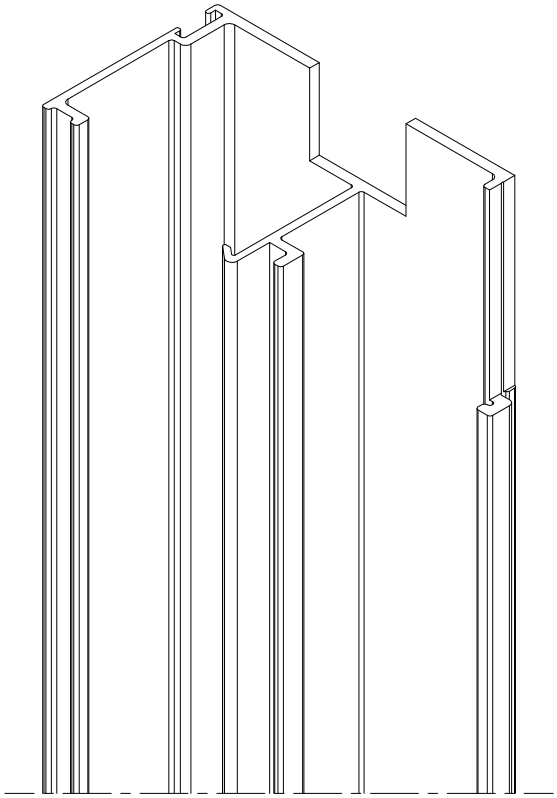
013.5330.SY



	SV/LV
197.D400.00	ZIE TEKENING VOIR DESSIN SEE DRAWING SIEHE ZIECHNUNG
- -	
-	
-	

schaal - échelle
scale - Maßstab
1/4





	SV/LV
197.D900.00	013.6306.XX
- -	
-	
-	

F

schaal - échelle
scale - Maßstab
1/4

PONSUNIT
UNITE D'ETAMPER
PUNCH UNIT
STANZEINHEIT

G

Reynaers Aluminium

Toebehoren
Accessoires
Accessories
Zubehör

Art. N°			Art. N°		
021.5697.–	47J.G.001	D0102075	062.6980.XX	47J.G.009	D3008777
021.5699.–	47J.G.001	D0102075	062.7142.04	47J.G.031	D0102117
021.5701.–	47J.G.001	D0102075	062.7147.SY	47J.G.012	D0102082
021.5703.–	47J.G.001	D0102075	062.7199.–	47J.G.007	D3004201
021.5705.–	47J.G.003	D0102080	062.7217.–	47J.G.012	D0102082
021.5721.–	47J.G.002	D0102098	062.7275.–	47J.G.006	D3005155
021.6002.07	47J.G.030	D0102116	062.7715.XX	47J.G.012	D0102082
021.6003.07	47J.G.030	D0102116	062.7780.XX	47J.G.004	D0102692
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022.5451.–	47J.G.011	D0102558	062.8083.00	47J.G.034	D3000825
022.5452.–	47J.G.011	D0102558	062.8084.00	47J.G.034	D3000825
022.5453.–	47J.G.011	D0102558	062.8122.00	47J.G.029	D3005157
022.5454.–	47J.G.011	D0102558	062.8125.00	47J.G.029	D3005157
022.5550.04	47J.G.020	D0102105	062.8269.–	47J.G.031	D0102117
022.5584.01	47J.G.031	D0102117	062.9098.00	47J.G.029	D3005157
022.5588.04	47J.G.018	D3002898	062.9321.04	47J.G.019	D0102102
022.5606.04	47J.G.020	D0102105	062.9322.04	47J.G.019	D0102102
024.5605.04	47J.G.031	D0102117	062.9323.04	47J.G.019	D0102102
024.5616.04	47J.G.016	D3004200	065.6555.04	47J.G.030	D0102116
024.5617.04	47J.G.016	D3004200	068.6351.04	47J.G.031	D0102117
024.5618.SY	47J.G.023	D0102107	069.5653.SY	47J.G.018	D3002898
024.5619.SY	47J.G.015	D0102099	069.5660.SY	47J.G.023	D0102107
024.5620.SY	47J.G.015	D0102099	069.5661.SY	47J.G.023	D0102107
024.5621.SY	47J.G.015	D0102099	069.5663.SY	47J.G.015	D0102099
024.5622.SY	47J.G.015	D0102099	069.5665.SY	47J.G.023	D0102107
024.5623.04	47J.G.024	D0102520	069.5672.SY	47J.G.024	D0102520
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029.5042.04	47J.G.025	D0102112	069.6830.04	47J.G.021	D0102106
029.5044.04	47J.G.025	D0102112	069.6831.XX	47J.G.021	D0102106
029.5046.04	47J.G.026	D0102113	069.8050.PA	47J.G.005	D3004993
029.5048.04	47J.G.026	D0102113	069.8203.PA	47J.G.006	D3005155
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029.5655.04	47J.G.027	D0102115	069.8403.PA	47J.G.005	D3004993
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056.6272.–	47J.G.035	D3007557	069.8407.PA	47J.G.004	D0102692
056.6274.–	47J.G.036	D3007558	069.8408.PA	47J.G.004	D0102692
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061.7043.–	47J.G.010_01.001	D3010327	080.9728.04	47J.G.017	D0102104
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062.6967.XX	47J.G.009	D3008777	086.9213.–	47J.G.033	D3000866
062.6973.XX	47J.G.014	D3008776	086.9551.–	47J.G.033	D3000866
062.6974.XX	47J.G.014	D3008776	087.9853.07	47J.G.019	D0102102
062.6978.XXX	47J.G.009	D3008777	087.9873.07	47J.G.019	D0102102

Art. N°			Art. N°		
161.7028.XX 162.8100.–	47J.G.009 47J.G.003	D3008777 D0102080			

Art. N°			Art. N°		
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097.0101.00	47J.G.056	D0102118			
097.0334.01	47J.G.056	D0102118			
097.0355.00	47J.G.056	D0102118			
097.0357.00	47J.G.056	D0102118			
097.0814.00	47J.G.057	D0102721			
097.0815.00	47J.G.057	D0102721			
097.0816.00	47J.G.057	D0102721			
097.0817.00	47J.G.058	D3001128			
097.0823-01	47J.G.057	D0102721			
097.0875.00	47J.G.058	D3001128			
097.0876.00	47J.G.058	D3001128			
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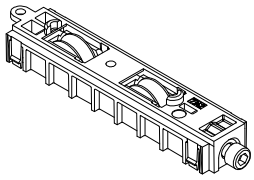
021.5697.--



DUBBEL WIEL REGELBAAR INOX
ROULETTE DOUBLE REGLABLE INOX
DOUBLE ROLLER ADJUSTABLE INOX
DOPPELTES LAUFRAD VERSTELLBAR INOX
RULETA DOBLE REGULABLE INOX
WOZEK PODWOJNY REGULOWANY NIERDZEWNY

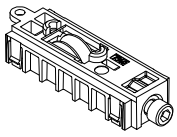
H=106.3MM
B=25.6MM
D=28.4MM

CP 68
013.5312.XX
013.5313.XX

CP 68Pa
016.5312.XX

SlimPatio 68
013.5312.XX
013.5313.XX

021.5699.--



WIEL REGELBAAR INOX 80KG
ROULETTE REGLABLE INOX 80KG
ROLLER ADJUSTABLE INOX 80KG
LAUFRAD VERSTELLBAR INOX 80KG
RULETA REGULABLE ACERO INOXIDABLE 80KG
WOZEK REGULOWANY NIERDZEWNY 80KG

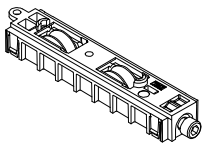
H=83MM
B=25.6MM
D=28.4MM

CP 68
013.5312.XX
013.5313.XX

CP 68Pa
016.5312.XX

SlimPatio 68
013.5312.XX
013.5313.XX

021.5701.--



DUBBEL WIEL REGELBAAR KUNSTSTOF
ROULETTE DOUBLE REGLABLE MATIERE SYNTHETIQUE
DOUBLE ROLLER ADJUSTABLE SYNTHETIC
DOPPELTES LAUFRAD VERSTELLBAR KUNSTSTOFF
RULETA DOBLE REGULABLE PLASTICO
WOZEK PODWOJNY REGULOWANY TWORZYWOWY

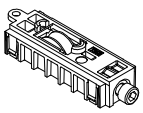
H=106.3MM
B=25.6MM
D=28.4MM

CP 68
013.5312.XX
013.5313.XX

CP 68Pa
016.5312.XX

SlimPatio 68
013.5312.XX
013.5313.XX

021.5703.--



WIEL REGELBAAR KUNSTSTOF 80KG
ROULETTE REGLABLE MATIERE SYNTHETIQUE 80KG
ROLLER ADJUSTABLE SYNTHETIC 80KG
LAUFRAD VERSTELLBAR KUNSTSTOFF 80KG
RULETA REGULABLE PLASTICO 80KG
WOZEK REGULOWANY TWORZYWOWY 80KG

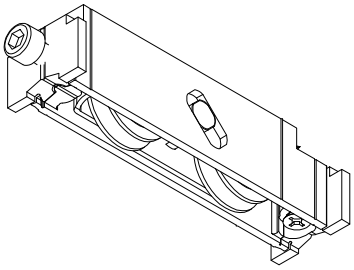
H=83MM
B=25.6MM
D=28.4MM

CP 68
013.5312.XX
013.5313.XX

CP 68Pa
016.5312.XX

SlimPatio 68
013.5312.XX
013.5313.XX

G

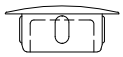


021.5721.--

DUBBEL WIEL REGELBAAR 200KG
ROULETTE DOUBLE REGLABLE 200KG
DOUBLE ROLLER ADJUSTABLE 200KG
DOPPELTES LAUFRAD VERSTELLBAR 200KG
RULETA DOBLE REGULABLE 200KG
WOZEK PODWOJNY REGULOWANY NIERDZEWNY 200KG

CP 68
IndusPatio 68
SlimPatio 68

024.5642.04

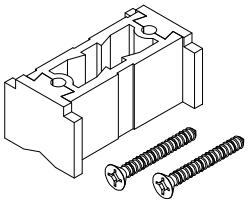


STOP
BOUCHE-TROU
PLUG
VERSCHLUSSKAPPE
TAPON
ZASLEPKA

DIA=15MM
H=5MM

CP 68
SlimPatio 68

021.5705.--



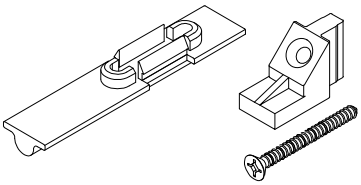
VLEUGELSTEUN
SUPPORT DE VANTAIL
VENT SUPPORT
FLUEGELUNTERSTUETZUNG
SOPORTE HOJA
PODPORKA POD SKRZYDLO

H=21MM
B=26MM
D=48.2MM

CP 68
013.5312.XX
013.5313.XX

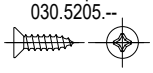
SlimPatio 68
013.5312.XX
013.5313.XX

022.5418.04



BEVESTIGING
FIXATION
FIXATION
FIXIEREN
FIJACION
MOCOWANIE

H=75/30MM
B=15.6/18MM
D=12.4/13.2MM

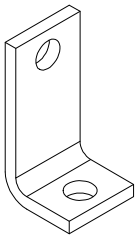
1 st./pc
030.5205.--

-
Ø4.2 x 38

CP 68
013.5312.XX
013.5313.XX

CP 68Pa

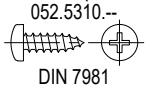
SlimPatio 68
013.5312.XX
013.5313.XX
013.6315.XX
013.6322.XX
013.6326.XX

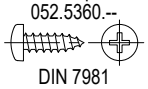
162.8100.--



VERSTERKINGSTUK
PIECE DE RENFORCEMENT
REINFORCEMENT PIECE
VERSTAERKUNGSSTUECK
PIEZA REFUERZO
ELEMENT WZMACNIAJACY

H=25MM
B=12MM
D=12MM

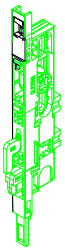
1 st./pc
052.5310.--

DIN 7981
4.2 x 16

1 st./pc
052.5360.--

DIN 7981
4.2 x 9.5

MasterPatio
406.0315.XX

G

069.8405.ZC



SLOT
SERRURE
LOCK
HAKENSCHLOSS
CERRADURA
ZAMEK

H=188.95
B=15.76
D=48.12

SlimPatio 68	013.6316.XX
013.6300.XX	013.6318.XX
013.6301.XX	013.6400.XX
013.6310.XX	013.6401.XX
013.6311.XX	013.6410.XX
013.6312.XX	013.6411.XX
013.6313.XX	

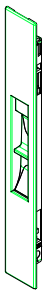
069.8406.PA

KOMGREEP BINNEN
POIGNEE A CUVETTE INTERIEURE
CUP HANDLE INSIDE
SCHALENGRIFF INNEN
CIERRE INTERIOR
KLAMKA KASETOWA WEWNETRZNA

H=215
B=28
D=33.52

SlimPatio 68
013.6316.XX
013.6318.XX

069.8407.PA



KOMGREEP BUITEN
POIGNEE A CUVETTE EXTERIEURE
CUP HANDLE OUTSIDE
SCHALENGRIFF AUSSEN
CIERRE EXTERIOR
KLAMKA KASETOWA ZEWNETRZNA

H=215
B=28
D=15.29

SlimPatio 68	013.6400.XX
013.6300.XX	013.6401.XX
013.6301.XX	013.6410.XX
013.6310.XX	013.6411.XX
013.6311.XX	
013.6312.XX	
013.6313.XX	

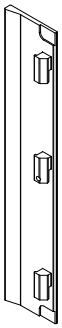
069.8408.PA

KOMGREEP BINNEN
POIGNEE A CUVETTE INTERIEURE
CUP HANDLE INSIDE
SCHALENGRIFF INNEN
CIERRE INTERIOR
KLAMKA KASETOWA WEWNETRZNA

H=215
B=28
D=15.39

SlimPatio 68	013.6400.XX
013.6300.XX	013.6401.XX
013.6301.XX	013.6410.XX
013.6310.XX	013.6411.XX
013.6311.XX	
013.6312.XX	
013.6313.XX	

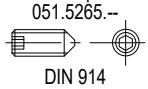
062.7780.XX



KRUK
POIGNEE
HANDLE
HANDGRIFF
CREMONA
KLAMKA

H=235MM
B=44MM
D=10MM

1 st./pc
051.5265.--

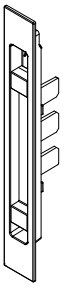


DIN 914
M4 x 4

SlimPatio 68
013.6300.XX
013.6301.XX

G

069.8403.PA

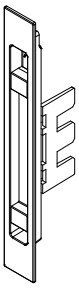


KOMGREEPSLUITING LINKS
POIGNEE A CUVETTE AVEC SECURITE GAUCHE
LOCKING CUP HANDLE LEFT
SCHALENGRIFF MIT VERRIEGELUNG LINKS
CIERRE DE SEGURIDAD IZQUIERDA
ZAMEL Z KLAMKA LEWO

H=210MM
B=28MM
D=44MM

SlimPatio 68
013.6300.XX
013.6301.XX
013.6310.XX
013.6311.XX
013.6312.XX
013.6313.XX
013.6400.XX
013.6401.XX
013.6410.XX
013.6411.XX

069.8404.PA

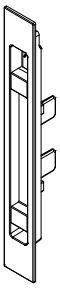


KOMGREEPSLUITING RECHTS
POIGNEE A CUVETTE AVEC SECURITE DROITE
LOCKING CUP HANDLE RIGHT
SCHALENGRIFF MIT VERRIEGELUNG RICHTIG
CIERRE DE SEGURIDAD DERECHO
ZAMEL Z KLAMKA PRAWO

H=210MM
B=28MM
D=44MM

SlimPatio 68
013.6300.XX
013.6301.XX
013.6310.XX
013.6311.XX
013.6312.XX
013.6313.XX
013.6400.XX
013.6401.XX
013.6410.XX
013.6411.XX

069.8050.PA

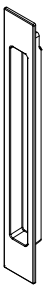


KOMGREEPSLUITING
POIGNEE A CUVETTE AVEC SECURITE
LOCKING CUP HANDLE
SCHALENGRIFF MIT VERRIEGELUNG
CIERRE DE SEGURIDAD
ZAMEK Z KLAMKA LEWA/PRAWA

H=210MM
B=28MM
D=34MM

SlimPatio 68
013.6316.XX
013.6318.XX

069.8446.PA



KOMGREEP BUITEN
POIGNEE A CUVETTE EXTERIEURE
CUP HANDLE OUTSIDE
SCHALENGRIFF AUSSEN
CIERRE EXTERIOR
KLAMKA KASETOWA ZEWNETRZNA

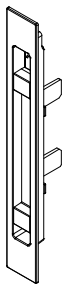
H=210MM
B=28MM
D=13MM

SlimPatio 68
013.6300.XX
013.6301.XX
013.6310.XX
013.6311.XX
013.6312.XX
013.6313.XX
013.6400.XX
013.6401.XX
013.6410.XX
013.6411.XX

062.7275.--

MEERPUNTSLUITING
FERMETURE A MULTI POINTS
MULTIPOINT LOCK
MULTIFACHVERRIEGELUNG
CERRADURA DE MULTI PUNTOS
ZAMEK WIELU-PUNKTOWY

SlimPatio 68
013.6300.XX
013.6301.XX
013.6310.XX
013.6311.XX
013.6312.XX
013.6313.XX
013.6316.XX
013.6318.XX
013.6400.XX
013.6401.XX
013.6410.XX
013.6411.XX

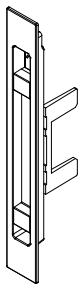


069.8203.PA

KOMGREEPSLUITING LINKS
POIGNEE A CUVETTE AVEC SECURITE GAUCHE
LOCKING CUP HANDLE LEFT
SCHALENGRIFF MIT VERRIEGELUNG LINKS
CIERRE DE SEGURIDAD IZQUIERDA
ZAMEL Z KLAMKA LEWO

H=210MM
B=28MM
D=44MM

SlimPatio 68
013.6300.XX
013.6301.XX
013.6310.XX
013.6311.XX
013.6312.XX
013.6313.XX
013.6400.XX
013.6401.XX
013.6410.XX
013.6411.XX

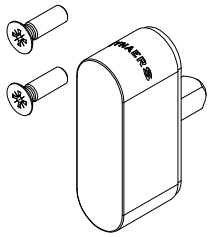


069.8204.PA

KOMGREEPSLUITING RECHTS
POIGNEE A CUVETTE AVEC SECURITE DROITE
LOCKING CUP HANDLE RIGHT
SCHALENGRIFF MIT VERRIEGELUNG RICHTIG
CIERRE DE SEGURIDAD DERECHO
ZAMEL Z KLAMKA PRAWO

H=210MM
B=28MM
D=44MM

SlimPatio 68
013.6300.XX
013.6301.XX
013.6310.XX
013.6311.XX
013.6312.XX
013.6313.XX
013.6400.XX
013.6401.XX
013.6410.XX
013.6411.XX

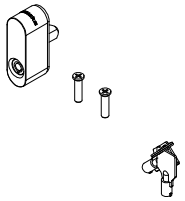


061.7024.XX

TOEBEHOREN SLOT
ACCESSOIRES DE FERMETURE
LOCK ACCESSORIES
ZUBEHOER SCHLOSS
ACCESRIOS CERRADURA
AKCESORIA ZAMEK

CP 68
013.5306.XX
013.5309.XX
013.6308.XX
013.6309.XX

SlimPatio 68
013.5306.XX
013.5309.XX
013.6302.XX
013.6303.XX
013.6304.XX
013.6307.XX

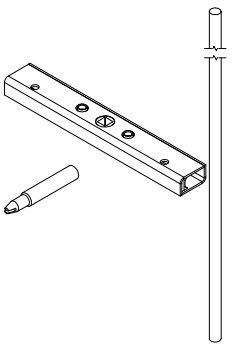


061.7059.XX

TOEBEHOREN SLOT
ACCESSOIRES DE FERMETURE
LOCK ACCESSORIES
ZUBEHOER SCHLOSS
ACCESRIOS CERRADURA
AKCESORIA ZAMEK

CP 68
013.5306.XX
013.5309.XX
013.6308.XX
013.6309.XX

SlimPatio 68
013.5306.XX
013.5309.XX
013.6302.XX
013.6303.XX
013.6304.XX
013.6307.XX



062.7199.--

SLOT
SERRURE
LOCK
HAKENSCHLOSS
CERRADURA
ZAMEK

CP 68
013.5306.XX
013.5309.XX
013.6308.XX
013.6309.XX

SlimPatio 68
013.5306.XX
013.5309.XX
013.6302.XX
013.6303.XX
013.6304.XX
013.6307.XX

062.6962.ZC

2-PUNTSLUITING H=2300
FERMETURE A 2 POINTS H=2300
2-POINT LOCK H=2300
2-FACHVERRIEGELUNG H=2300
CERRADURA DE 2 PUNTOS H=2300
ZAMEK 2-PUNKTOWY H=2300

SlimPatio 68
013.6340.XX
013.6342.XX
013.6344.XX

CP 130
CP 155

062.6963.ZC

2-PUNTSLUITING H=2700
FERMETURE A 2 POINTS H=2700
2-POINT LOCK H=2700
2-FACHVERRIEGELUNG H=2700
CERRADURA DE 2 PUNTOS H=2700
ZAMEK 2-PUNKTOWY H=2700

SlimPatio 68
013.6340.XX
013.6342.XX
013.6344.XX

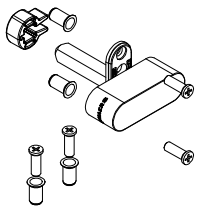
CP 130
CP 155

062.6964.ZC

2-PUNTSLUITING H=3100
FERMETURE A 2 POINTS H=3100
2-POINT LOCK H=3100
2-FACHVERRIEGELUNG H=3100
CERRADURA DE 2 PUNTOS H=3100
ZAMEK 2-PUNKTOWY H=3100

SlimPatio 68
013.6340.XX
013.6342.XX
013.6344.XX

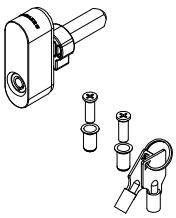
CP 155



062.6967.XX

DRAAIKNOP MET VIERKANTSTIFT
BOUTON AVEC CARRÉ
FIXED HANDLE WITH SPINDLE INSIDE
KNOPF MIT DRUCKERSTIFT
BOMBIN CON EJE
KLAMKA STALA Z TRZPIEN WEWNETRZNA

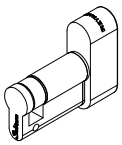
CP 130
CP 155
SlimPatio 68



062.6978.XX

DRAAIKNOP MET VIERKANTSTIFT VERGRENDELD
BOUTON AVEC CARRÉ VERROUILLE
FIXED HANDLE WITH SPINDLE LOCKABLE
KNOPF MIT DRUCKERSTIFT GESPERRT
BOMBIN CON EJE CON CERRADURA
KLAMKA STALA Z TRZPIEN WEWNETRZNA ZAMYKANY

CP 130
CP 155
SlimPatio 68

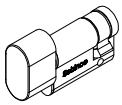


062.6980.XX

KNOPCILINDER A=35 B=10 C=45 (A=Knob)
BOUTON CYLINDRE A=35 B=10 C=45 (A=Knob)
KNOB CYLINDER A=35 B=10 C=45 (A=Knob)
KNAUFZYLINDER A=35 B=10 C=45 (A=Knob)
CILINDRO POMO A=35 B=10 C=45 (A=Knob)
WKLADKA Z GALKA A=35 B=10 C=45 (A=Knob)

A(Knob)=35 B=10 C=45

CP 130
SlimPatio 68



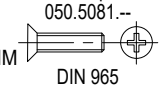
161.7028.XX

KNOPCILINDER A=35 B=10 C=45 (A=Knob)
BOUTON CYLINDRE A=35 B=10 C=45 (A=Knob)
KNOB CYLINDER A=35 B=10 C=45 (A=Knob)
KNAUFZYLINDER A=35 B=10 C=45 (A=Knob)
CILINDRO POMO A=35 B=10 C=45 (A=Knob)
WKLADKA Z GALKA A=35 B=10 C=45 (A=Knob)

A(Knob)=35 B=10 C=45
CYLINDER SCREW:M5x45MM

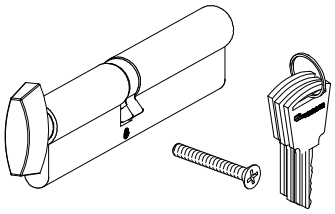
HALF CYLINDER

1 st./pc
050.5081.--



DIN 965
M5 x 45

CP 130
CP 130-LS
CS 68
CS 77
MASTERLINE 8-Fu
SlimPatio 68

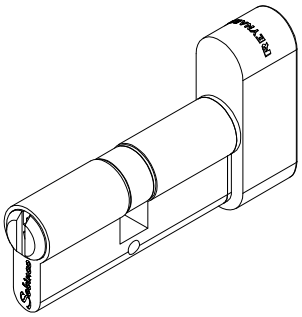


061.9881.--

CILINDER A=35(K) B=45 C=80
CYLINDRE A=35(K) B=45 C=80
CYLINDER A=35(K) B=45 C=80
ZYLINDER A=35(K) B=45 C=80
BOMBIN A=35(K) B=45 C=80
WKLADKA A=35(K) B=45 C=80

A=35 B=45 C=80
CILINDER SCREW:45MM

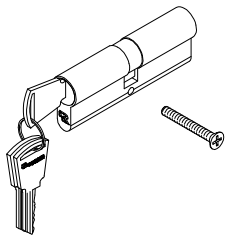
CP 130
CP 130-LS
CS 59
CS 59PA
CS 68
CS 77
SlimPatio 68



062.6955.XX

KNOPCILINDER
BOUTON CYLINDRE
KNOB CYLINDER
KNAUFZYLINDER
CILINDRO POMO
WKLADKA Z GALKA

SlimPatio 68

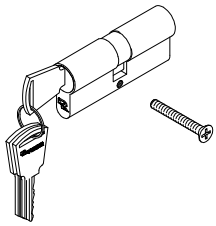


061.7032.--

CILINDER 90MM A=45 B=45
CYLINDRE 90MM A=45 B=45
CYLINDER 90MM A=45 B=45
ZYLINDER 90MM A=45 B=45
BOMBIN 90MM A=45 B=45
WKLADKA 90MM A=45 B=45

A=45 B=45 C=90
CILINDER SCREW:45MM

CF 68
SlimPatio 68



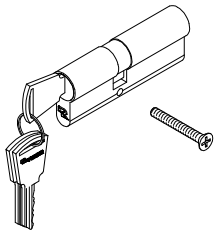
061.7043.--

CILINDER 70MM A=35 B=35
CYLINDRE 70MM A=35 B=35
CYLINDER 70MM A=35 B=35
ZYLINDER 70MM A=35 B=35
BOMBIN 70MM A=35 B=35
WKLADKA 70MM A=35 B=35

A=35 B=35 C=70
CILINDER SCREW:45MM
LS 150kg + LS 300kg

CD 50
CF 68
CI 45
CP 96
CP 96-AP
CP 96-LS
CP 96-LS/AP
CS 59
CS 59PA
CS 68
CS 77

SlimPatio 68



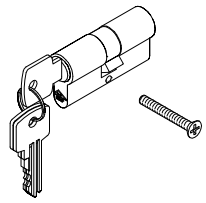
061.7047.--

CILINDER 80MM A=35 B=45
CYLINDRE 80MM A=35 B=45
CYLINDER 80MM A=35 B=45
ZYLINDER 80MM A=35 B=45
BOMBIN 80MM A=35 B=45
WKLADKA 80MM A=35 B=45

A=35 B=45 C=80
CILINDER SCREW:45MM

CP 130
CP 130-LS
CP 130Pa
CP 130Pa-LS
CS 59
CS 59PA
CS 68
CS 77
SlimPatio 68

061.7072.--

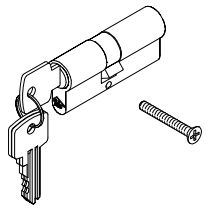


CILINDER INBRAAKWEREND 70MM A=35 B=35
CYLINDRE PROTECTION ANTI-VOL 70MM A=35 B=35
CYLINDER BURGLAR PROTECTION 70MM A=35 B=35
ZYLINDER EINBRUCHHEMMEND 70MM A=35 B=35
BOMBIN PROTECCION ANTIROBO 70MM A=35 B=35
WKLADKA BEBENKOWA ZAMKA ANTY. 70MM A=35 B=35

A=35 B=35 C=70
CILINDER SCREW:45MM

CF 68
CP 155-AP
CS 59-AP
CS 59Pa-AP
CS 68-AP
CS 77-AP
SlimPatio 68

061.7074.--

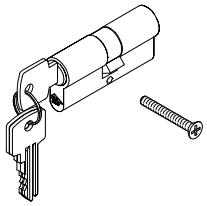


CILINDER INBRAAKWEREND 80MM A=35 B=45
CYLINDRE PROTECTION ANTI-VOL 80MM A=35 B=45
CYLINDER BURGLAR PROTECTION 80MM A=35 B=45
ZYLINDER EINBRUCHHEMMEND 80MM A=35 B=45
BOMBIN PROTECCION ANTIROBO 80MM A=35 B=45
WKLADKA BEBENKOWA ZAMKA ANTY. 80MM A=35 B=45

A=35 B=45 C=80
CILINDER SCREW:45MM

CP 130
CP 155-AP
CS 59-AP
CS 59Pa-AP
CS 68-AP
CS 77-AP
SlimPatio 68

061.7082.--

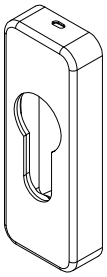


CILINDER INBRAAKWEREND 90MM A=45 B=45
CYLINDRE PROTECTION ANTI-VOL 90MM A=45 B=45
CYLINDER BURGLAR PROTECTION 90MM A=45 B=45
ZYLINDER EINBRUCHHEMMEND 90MM A=45 B=45
BOMBIN PROTECCION ANTIROBO 90MM A=45 B=45
WKLADKA BEBENKOWA ZAMKA ANTY. 90MM A=45 B=45

A=45 B=45 C=90
CILINDER SCREW:45MM

CF 68
SlimPatio 68

061.6334.XX

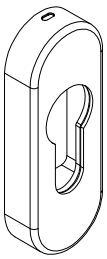


TOUCH CILINDERPLAAT
TOUCH ECUSSON
TOUCH CYLINDER COVER
TOUCH PZ-ROZETTE
TOUCH ESCUDO BOMBIN
TOUCH SZYLD WKLADKI BEBENKOWEJ ZAMKA

H=72
B=26
D=11

CF 68	**CS 59-SO**	**SL 38**
CF 77	**CS 68**	**SlimPatio 68**
CP 130	**CS 68-RE (CANCEL)**	
CP 130Pa	**CS 68-SO (CANCEL)**	
CP 155	**CS 77**	
CP 96	**CS 77-FP**	
CS 104-HI+	**CS 77-RE (CANCEL)**	
CS 38-SL (CANCEL)	**CS 77-SO**	
CS 59	**CS 77-SP**	
CS 59PA	**CS 86-HI (CANCEL)**	
CS 59-RE	**ES 50**	

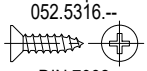
061.6992.XX



HORIZON CILINDERPLAAT
HORIZON ECUSSON
HORIZON CYLINDER COVER
HORIZON PZ-ROZETTE
HORIZON ESCUDO BOMBIN
HORIZON SZYLD WKLADKI BEBENKOWEJ ZAMKA

H=72
B=11
D=26.5

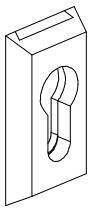
2 st./pc
052.5316.--



DIN 7982
4.2 x 19

CP 130Pa	**CS 77**
CP 155	**CS 77-AP**
CS 104-HI+	**CS 77-RE (CANCEL)**
CS 38-SL (CANCEL)	**CS 77-SP**
CS 59	**CS 86-HI (CANCEL)**
CS 59PA	**CS 86-HI/AP (CANCEL)**
CS 59-RE	**ES 50**
CS 59-SO	**MASTERLINE 8-Fu**
CS 68	**SL 38**
CS 68-RE (CANCEL)	**SlimPatio 68**
CS 68-SO (CANCEL)	

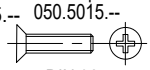
061.6969.XX



CILINDERPLAAT
ECUSSON
CYLINDER COVER
PZ-ROZETTE
ESCUDO BOMBIN
SZYLD WKLADKI BEBENKOWEJ ZAMKA

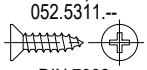
H=62 B=9 D=31
CP 130-AP -->2X057.5711.--/2X050.5015.--

2 st./pc
050.5015.--



DIN 965
M5 x 8

2 st./pc
052.5311.--



DIN 7982
4.2 x 16

CP 45Pa (GR)	**CS 59-SO**	**MASTERLINE 8-Fu**
011.0848.XX	**CS 68**	**SL 38**
	CS 68-AP	**SlimPatio 68**
CP 130	**CS 68-RE (CANCEL)**	
CS 104-HI+	**CS 68-SO (CANCEL)**	
CS 38-SL (CANCEL)	**CS 77**	
CS 59	**CS 77-AP**	
CS 59-AP	**CS 77-RE (CANCEL)**	
CS 59PA	**CS 77-SO**	
CS 59Pa-AP	**CS 86-HI (CANCEL)**	
CS 59-RE	**ES 50**	

022.5451.--

VERLENGSTUK SLOT ONDER
RALLONGE BASSE
BOTTOM LOCK EXTENSION
HAKENSCHLOSSVERLAENGERUNG UNTEN
EXTENSION DE CERRADURA INFERIOR
PRZEDLUZENIE ZAMKAÿ DOLNA

242
37.8
19

SlimPatio 68	013.6410.XX
013.6300.XX	013.6411.XX
013.6301.XX	
013.6310.XX	**CP 68-IN**
013.6311.XX	
013.6312.XX	
013.6313.XX	
013.6316.XX	
013.6318.XX	
013.6400.XX	
013.6401.XX	

022.5452.--

VERLENGSTUK SLOT BOVEN
RALLONGE HAUTE
TOP LOCK EXTENSION
HAKENSCHLOSSVERLAENGERUNG OBEN
EXTENSION DE CERRADURA SUPERIOR
PRZEDLUZENIE ZAMKA GORNA

242
37.8
19

SlimPatio 68	013.6410.XX
013.6300.XX	013.6411.XX
013.6301.XX	
013.6310.XX	**CP 68-IN**
013.6311.XX	
013.6312.XX	
013.6313.XX	
013.6316.XX	
013.6318.XX	
013.6400.XX	
013.6401.XX	

022.5453.--

VERLENGSTUK SLOT ONDER
RALLONGE BASSE
BOTTOM LOCK EXTENSION
HAKENSCHLOSSVERLAENGERUNG UNTEN
EXTENSION DE CERRADURA INFERIOR
PRZEDLUZENIE ZAMKAÿ DOLNA

510
37.8
19

SlimPatio 68	013.6410.XX
013.6300.XX	013.6411.XX
013.6301.XX	
013.6310.XX	**CP 68-IN**
013.6311.XX	
013.6312.XX	
013.6313.XX	
013.6316.XX	
013.6318.XX	
013.6400.XX	
013.6401.XX	

022.5454.--

VERLENGSTUK SLOT BOVEN
RALLONGE HAUTE
TOP LOCK EXTENSION
HAKENSCHLOSSVERLAENGERUNG OBEN
EXTENSION DE CERRADURA SUPERIOR
PRZEDLUZENIE ZAMKA GORNA

510
37.8
19

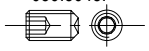
SlimPatio 68	013.6410.XX
013.6300.XX	013.6411.XX
013.6301.XX	
013.6310.XX	**CP 68-IN**
013.6311.XX	
013.6312.XX	
013.6313.XX	
013.6316.XX	
013.6318.XX	
013.6400.XX	
013.6401.XX	

022.5378.--

SLUITSTUK
GACHE
LOCK PLATE
SCHLIESSSTUECK
CERRADERO MARCO
KOLEK RYGLUJACY

H=45MM
B=12.2MM
D=13MM

2 st./pc
030.5048.--



DIN 916
M4 x 12

CP 68Pa	SlimPatio 68	CP 68
016.5318.XX	013.6315.XX	
016.5319.XX	013.6317.XX	
016.5320.XX	013.6319.XX	
016.5325.XX	013.6322.XX	
016.5326.XX	013.6326.XX	
016.5360.XX		

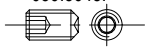
062.7217.--

WIT
BLANC
WHITE
WEIB

SLUITSTUK
GACHE
LOCK PLATE
SCHLIESSSTUECK
CERRADERO MARCO
KOLEK RYGLUJACY

H=45MM
B=12.2MM
D=13MM

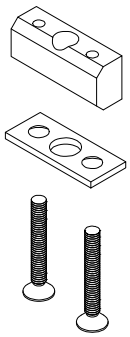
2 st./pc
030.5048.--



DIN 916
M4 x 12

CP 68Pa	SlimPatio 68
016.5318.XX	013.6315.XX
016.5319.XX	013.6317.XX
016.5320.XX	013.6319.XX
016.5325.XX	013.6322.XX
016.5326.XX	013.6326.XX
016.5360.XX	

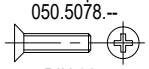
061.6050.00



SLUITSTUK
GACHE
LOCK PLATE
SCHLIESSSTUECK
CERRADERO MARCO
KOLEK RYGLUJACY

H=2MM
B=32MM
D=11MM

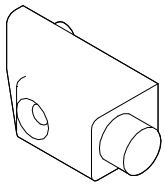
2 st./pc
050.5078.--



DIN 965
M4 x 30

SlimPatio 68
013.6322.XX
013.6326.XX

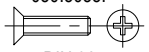
062.7715.XX



BUFFER
BUTEE
BUFFER
STOPPER
TOPE
ODBOJNIK

H=20
B=53
D=25

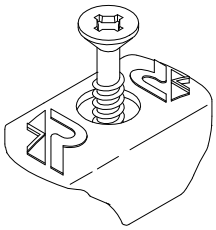
1 st./pc
050.5055.--



DIN 965
M6 x 45

CP 130Pa	CP 130-LS	SlimPatio 68
016.1986.XX	CP 155	VISION 50
	CP 155-LS	
CP 130Pa-LS	CP 45PA	
016.1988.XX	CP 45Pa (GR)	
	CP 68	
CP 130	MasterPatio	

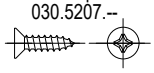
062.7147.SY



VLEUGELGELEIDER
GUIDE DE VANTAIL
VENT GUIDE
FUEHRUNGSSCHIENE FLUEGEL
DISTANCIADOR
PROWADNICA SKRZYDLA

H=30MM
B=19.2MM
D=13MM

1 st./pc
030.5207.--

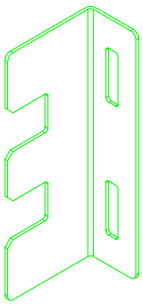


-
Ø4.2 x 25

SlimPatio 68	CP 68Pa
013.6315.XX	
013.6322.XX	
013.6326.XX	

CP 50
CP 68

G

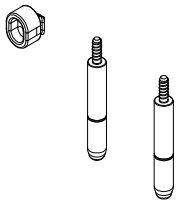


069.8447.--

HULPSTUK
ACCESSOIRE
ACCESSORY
ZUBEHOER
ACCESORIO
AKCESORIA

H=80MM
B=18MM
D=32MM

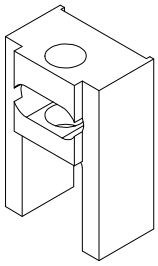
SlimPatio 68



069.6252.--

TOEBEHOREN SLOT
ACCESSOIRES DE FERMETURE
LOCK ACCESSORIES
ZUBEHOER SCHLOSS
ACCESRIOS CERRADURA
AKCESORIA ZAMEK

SlimPatio 68

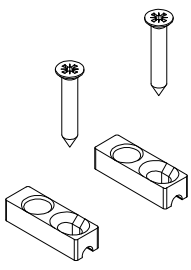


062.6953.04

VERSTERKINGSTUK
PIECE DE RENFORCEMENT
REINFORCEMENT PIECE
VERSTAERKUNGSSTUECK
PIEZA REFUERZO
ELEMENT WZMACNIAJACY

H=55MM
B=23.5MM
D=35MM

SlimPatio 68
013.6340.XX
013.6342.XX
013.6344.XX

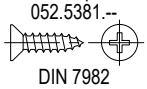


062.6952.--

SLOTPLAAT
GACHE
RECEIVER
SCHLIESSPLATTE
GANCHO
GNIAZDO RYGLA ZAMKA

H=13MM
B=40MM
D=13MM

2 st./pc
052.5381.--

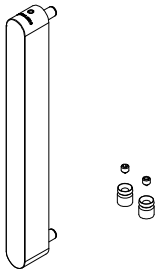


DIN 7982
6.3 x 38

SlimPatio 68
013.6314.XX
013.6315.XX
013.6321.XX
013.6322.XX
013.6323.XX
013.6324.XX
013.6325.XX
013.6326.XX

G

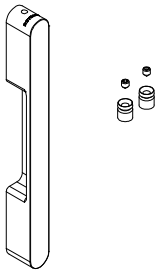
062.6965.XX



DEURTREKKER
POIGNEE DE TIRAGE
PULL HANDLE
STOSSGRIFF
MANIJA
POCHWYT

CP 130
CP 155
SlimPatio 68

062.6966.XX



DEURTREKKER
POIGNEE DE TIRAGE
PULL HANDLE
STOSSGRIFF
MANIJA
POCHWYT

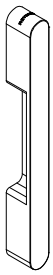
CP 130
CP 155
SlimPatio 68

062.6973.XX

DEURTREKKER
POIGNEE DE TIRAGE
PULL HANDLE
STOSSGRIFF
MANIJA
POCHWYT

CP 130
CP 155
SlimPatio 68

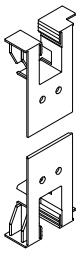
062.6974.XX



DEURTREKKER
POIGNEE DE TIRAGE
PULL HANDLE
STOSSGRIFF
MANIJA
POCHWYT

CP 130
CP 155
SlimPatio 68

024.5619.SY



EINDSTUKKEN
PIECES FINALES
END PIECES
ENDKAPPEN
PIEZAS TERMINALES
ZASLEPKI

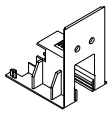
H=63MM
B=48.1MM
D=17.5MM

CP 68Pa
016.5304.XX
016.5305.XX
016.5306.XX
016.5307.XX
016.5309.XX
016.5313.XX

SlimPatio 68
013.6302.XX
013.6303.XX

CP 68

024.5621.SY



EINDSTUKKEN
PIECES FINALES
END PIECES
ENDKAPPEN
PIEZAS TERMINALES
ZASLEPKI

H=63MM
B=41.6MM
D=53.3MM

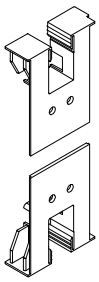
CP 68Pa
016.5300.XX
016.5301.XX
016.5302.XX

013.6301.XX
013.6400.XX
013.6401.XX

CP 68

SlimPatio 68
013.6300.XX

024.5620.SY



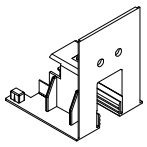
EINDSTUKKEN
PIECES FINALES
END PIECES
ENDKAPPEN
PIEZAS TERMINALES
ZASLEPKI

H=63MM
B=52MM
D=17.5MM

SlimPatio 68
013.6307.XX
013.6308.XX

CP 68
CP 68-AP

024.5622.SY



EINDSTUKKEN
PIECES FINALES
END PIECES
ENDKAPPEN
PIEZAS TERMINALES
ZASLEPKI

H=63MM
B=49.4MM
D=53.3MM

CP 68
013.5303.XX

013.6410.XX
013.6411.XX

SlimPatio 68
013.5303.XX
013.6310.XX
013.6311.XX

069.5663.SY

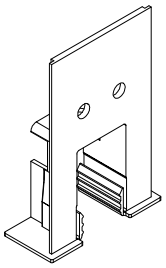
EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

H=63MM
B=41.4MM
D=17.3MM

SlimPatio 68
013.6304.XX
013.6309.XX
013.6316.XX
013.6317.XX
013.6318.XX
013.6319.XX

G

024.5661.SY



EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

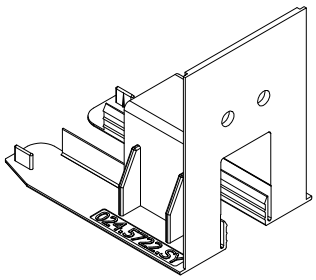
H=63MM
B=41.4MM
D=17.3MM

CP 68
013.5306.XX
013.5309.XX

013.6308.XX
013.6309.XX

SlimPatio 68
013.5306.XX
013.5309.XX
013.6302.XX
013.6303.XX
013.6304.XX
013.6307.XX

024.5722.SY

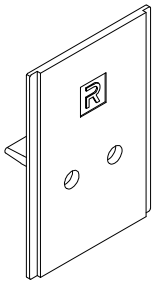


EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

H=63MM
B=49.4MM
D=69.3MM

SlimPatio 68
013.6340.XX
013.6342.XX
013.6344.XX

024.5616.04

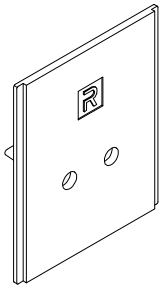


EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

H=55MM
B=37.6MM
D=12MM

CP 68
013.5314.XX

024.5617.04



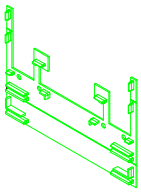
EINDSTUKKEN
PIECES FINALES
END PIECES
ENDKAPPEN
PIEZAS TERMINALES
ZASLEPKI

H=55MM
B=45.4MM
D=2MM

CP 68
013.5315.XX

G

080.9727.04

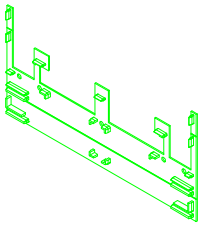


AFDICHTING BUITENKADER
FERMETURE DORMANT
CLOSER OUTER FRAME
ABDICHTUNG BLENDRAHMEN
CIERRE MARCO
USZCZELNIENIE OSCIEZNICY

H=86.5MM
B=121MM
D=5MM

SlimPatio 68
013.6321.XX
013.6322.XX

080.9728.04

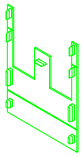


AFDICHTING BUITENKADER
FERMETURE DORMANT
CLOSER OUTER FRAME
ABDICHTUNG BLENDRAHMEN
CIERRE MARCO
USZCZELNIENIE OSCIEZNICY

H=86.5MM
B=177MM
D=5MM

SlimPatio 68
013.6325.XX
013.6326.XX

080.9729.04

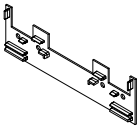


AFDICHTING BUITENKADER
FERMETURE DORMANT
CLOSER OUTER FRAME
ABDICHTUNG BLENDRAHMEN
CIERRE MARCO
USZCZELNIENIE OSCIEZNICY

H=86.5MM
B=65MM
D=5MM

SlimPatio 68
013.6314.XX
013.6315.XX

080.9734.04

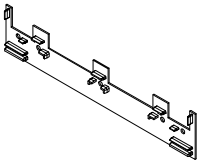


AFDICHTING BUITENKADER
FERMETURE DORMANT
CLOSER OUTER FRAME
ABDICHTUNG BLENDRAHMEN
CIERRE MARCO
USZCZELNIENIE OSCIEZNICY

H=36.5MM
B=121MM
D=5MM

SlimPatio 68
013.6323.XX

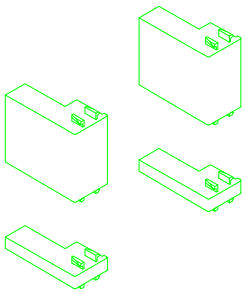
080.9735.04



AFDICHTING BUITENKADER
FERMETURE DORMANT
CLOSER OUTER FRAME
ABDICHTUNG BLENDRAHMEN
CIERRE MARCO
USZCZELNIENIE OSCIEZNICY

H=36.5MM
B=177MM
D=5MM

SlimPatio 68
013.6324.XX

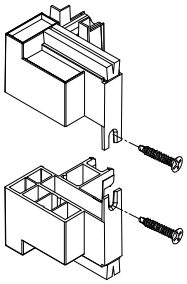


069.5653.SY

EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

H=8/26MM
B=12.4/12.4MM
D=26/26MM

SlimPatio 68
013.6314.XX
013.6315.XX
013.6321.XX
013.6322.XX
013.6325.XX
013.6326.XX



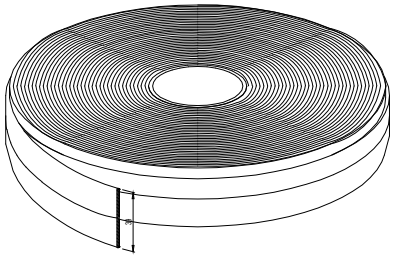
022.5588.04

HOEK AFDICHTINGSSTUK
PIECE D'ETANCHEITE D'ANGLE
CORNER SEALING PIECE
ECK DICHTUNGSSTUECK
PIEZA DE SELLADO DE CANTONERO
ELEMENT USZCZELNIAJACY NAROZNY

H=60MM
B=60.4MM
D=53.6MM

CP 68
013.5358.XX

SlimPatio 68
013.5358.XX



080.9696.04

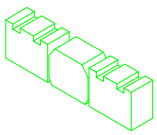
DICHTING ZELFKLEVEND 39MM
JOINT AUTOCOLLANT 39MM
SELF-ADHESIVE GASKET 39MM
DICHTUNG SELBSTKLEBEND 39MM
JUNTA AUTODHESIVA 39MM
USZCZELKA SAMOPRZYLEPNA 39MM

10m
40mm
1,5mm

SlimPatio 68
013.6323.XX
013.6324.XX

HFP 147

062.9321.04

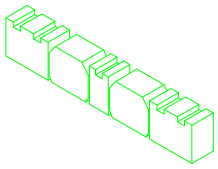


VULBLOK
PIECE DE REMPLISSAGE
FILLING PIECE
FUELLBLOCK CS
PIEZA RELLENO
ELEMENT WYPELNIAJACY

H=30.9/30.6MM
B=39.4/36.6MM
D=20/20MM

SlimPatio 68

062.9322.04



VULBLOK
PIECE DE REMPLISSAGE
FILLING PIECE
FUELLBLOCK CS
PIEZA RELLENO
ELEMENT WYPELNIAJACY

H=30.9/30.6/30.9MM
B=39.4/36.6/17.8MM
D=20/20/20MM

SlimPatio 68

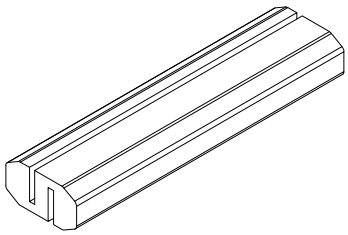
062.9323.04

VULBLOK
PIECE DE REMPLISSAGE
FILLING PIECE
FUELLBLOCK CS
PIEZA RELLENO
ELEMENT WYPELNIAJACY

H=30.9/30.9MM
B=39.4/16.6MM
D=20/20MM

SlimPatio 68

087.9853.07



ISOLEREND VULSTUK 14x26.5MM
PIECE DE REMPLISSAGE ISOLEE 14x26.5MM
INSULATING FILLING PIECE 14x26.5MM
ISOLIERENDES FUELLSTUECK 14x26.5MM
PIEZA DE RELLENO AISLANTE 14x26.5MM
WKLADKA IZOLACYJNA 14x26.5MM

H=14
B=26.5
D=1000

CS 77
008.1094.XX
008.1096.XX

003.0092.XX
0F3.0012.XX
0F3.0021.XX
0F3.0092.XX

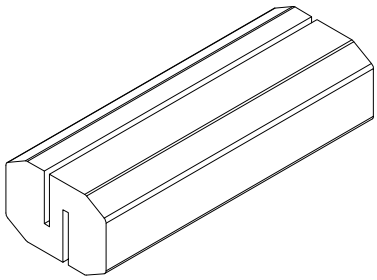
003.0021.XX
003.0092.XX

MasterPatio
SlimPatio 68

ES 50
003.0012.XX
003.0021.XX

ES 50-AP
003.0012.XX

087.9873.07



ISOLEREND VULSTUK 26x37.5MM
PIECE DE REMPLISSAGE ISOLEE 26x37.5MM
INSULATING FILLING PIECE 26x37.5MM
ISOLIERENDES FUELLSTUECK 26x37.5MM
PIEZA DE RELLENO AISLANTE 26x37.5MM
WKLADKA IZOLACYJNA 26x37.5MM

H=26
B=37.5
D=1000

CF 77
108.0824.XX
1K8.0824.XX

CF 77-AP
108.0824.XX
1K8.0824.XX

CS 77
008.0125.XX
008.3115.XX
008.5011.XX

CS 77 Light
008.0125.XX

008.0125.XX

CS 77-FP
008.0125.XX

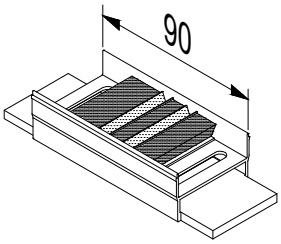
CS 77-SP
008.0125.XX

CS 86-HI (CANCEL)
108.0824.XX
1K8.0824.XX

SlimPatio 68

G

022.5550.04



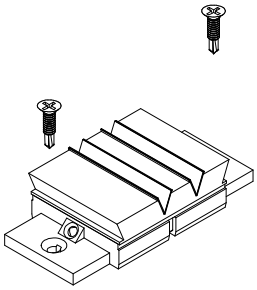
BORSTEL
BROSSE
BRUSH
BUERSTE
CEPILLO
SZCZOTKI

H=130
B=46.1
D=26

SlimPatio 68
013.6314.XX
013.6321.XX
013.6325.XX

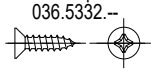
CP 68
CP 68-AP

022.5606.04



BORSTEL
BROSSE
BRUSH
BUERSTE
CEPILLO
SZCZOTKI

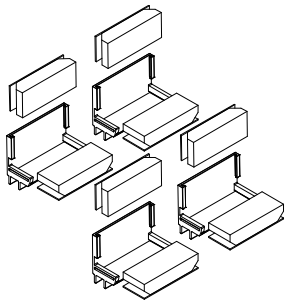
H=84MM
B=40.8MM
D=9.5MM

1 st./pc
036.5332.--

-
Ø4.2 x 16

SlimPatio 68
013.6315.XX
013.6322.XX
013.6326.XX

CP 68
CP 68-IN

069.5675.04

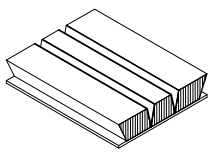


SET BORSTELSTUKKEN
SET SUPPORT DE BROSSE
SET BRUSH HOLDERS
SATZ BUERSTENHALTERS
CONJUNTO PORTACEPILLOS
UCHWYT SZCZOTKI

37.8MM
53.4MM
21.6MM

SlimPatio 68
013.6305.XX
013.6306.XX
013.6314.XX
013.6315.XX
013.6321.XX
013.6322.XX
013.6325.XX
013.6330.XX
013.6331.XX

081.9235.04



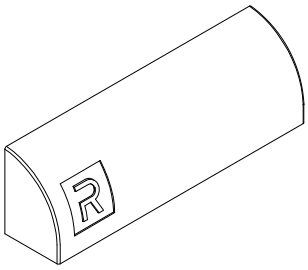
BORSTEL
BROSSE
BRUSH
BUERSTE
CEPILLO
SZCZOTKI

B=42MM
H=7MM

SlimPatio 68
013.6323.XX

G

069.6830.04



AFDEKKAP WATERAFVOERSLEUVEN MET KLEP
CAPUCHON DRAINAGE D'EAU AVEC CLAPET
WEEP HOLE COVER WITH FLAP
ABDECKKAPPE ENTWAESSERUNG MIT KLAPPE
DEFLECTOR AIRE CON ALETA
MASKOWNICA OTWORU DRENAZOWEGO Z KLAPKA

H=14
B=10
D=46

CP 130
006.1978.XX
006.1979.XX
006.1980.XX
006.1981.XX
006.1982.XX
006.1983.XX
006.1984.XX
006.1985.XX
006.1992.XX
006.1993.XX
006.1995.XX
044.1984.XX

CP 45PA
011.0400.XX
011.0401.XX
011.0410.XX
011.0411.XX
011.0412.XX
011.0431.XX

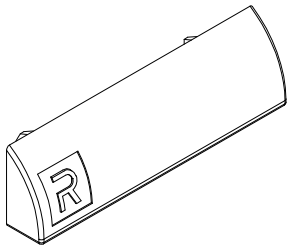
CP 45Pa (GR)
011.0400.XX
011.0401.XX
011.0410.XX
011.0411.XX
011.0412.XX
011.0431.XX

SlimPatio 68
013.6314.XX

013.6321.XX
013.6325.XX

CF 68
CP 155
CP 155-LS
CP 96
HFP 147
HFP 179

069.6831.XX



AFDEKKAP WATERAFVOERSLEUVEN
CAPUCHON DRAINAGE D'EAU
WEEP HOLE COVER
ABDECKKAPPE ENTWAESSERUNG
DEFLECTOR AIRE
MASKOWNICA OTWORU DRENAZOWEGO

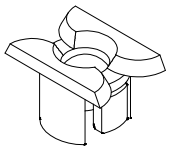
H=13
B=44
D=11.3

SlimPatio 68
013.6314.XX
013.6321.XX
013.6325.XX

CD 50
CF 68
CF 77
CF 77-AP
CP 130
CP 130-LS
CP 155
CP 155-AP
CP 155-LS
CP 155-LS/AP
CP 96
CP 96-AP
CP 96-LS
CP 96-LS/AP
CS 104-HI+
CS 59
CS 59-AD
CS 59-AP
CS 59-CD
CS 59-HV
CS 59PA
CS 59Pa-AD
CS 59Pa-AP
CS 59Pa-CD
CS 59Pa-SD
CS 59-PD
CS 59-RE
CS 59-SD
CS 59-SO
CS 68
CS 68 Optima
CS 68 Optima-AP
CS 68-AP
CS 68-FP
CS 68-HV
CS 68-PD
CS 68-RE
CS 68-SO
CS 77
CS 77-AP
CS 77-BP
CS 77-FP
CS 77-HV
CS 77-PD
CS 77-RE
CS 77-SP
CS 86-HI
CS 86-HI/AP
ES 45PA
ES 50
ES 50 Optima
ES 50-AP
ES 50-PL
ES 75
HFP 147
HFP 179
MASTERLINE 8-Fu
TLS 110

G

069.6747.04



VENTIEL
CLAPET
VALVE CAP
VENTILKLAPPE
VALVULA DESAGUE
POKRYWA ZAWORU

H=9
B=18
D=12

CP 130-LS
006.1900.XX
006.1901.XX
006.1910.XX
006.1920.XX
044.1900.XX
044.1901.XX

CP 155
006.0320.XX

CP 155-AP
006.0320.XX

CP 155-LS
006.0320.XX
006.0321.XX

CP 155-LS/AP
006.0320.XX

CP 96-AP
006.0524.XX
006.0525.XX

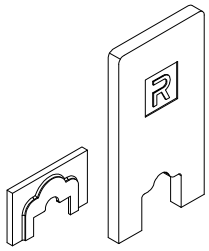
CP 96-LS
006.1506.XX
006.1514.XX

CP 96-LS/AP
006.1504.XX

SlimPatio 68
013.6323.XX

CP 96

024.5618.SY



KLIPSPROFIEL VLEUGEL
CACHE CLIPABLE
COVERING PROFILE
ABDECKPROFIL
TAPETA
PROFIL MASKUJACY

H=69.6MM
B=32MM
D=13.2MM

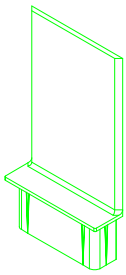
CP 68Pa
016.5304.XX
016.5305.XX
016.5306.XX
016.5307.XX
016.5309.XX
016.5313.XX

SlimPatio 68
013.6302.XX
013.6303.XX
013.6304.XX
013.6307.XX
013.6308.XX

013.6309.XX

CP 68
CP 68-AP

069.5660.SY

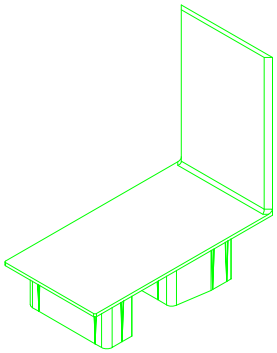


EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

H=66MM
B=34MM
D=10.3MM

SlimPatio 68
013.6302.XX
013.6304.XX
013.6308.XX

069.5661.SY

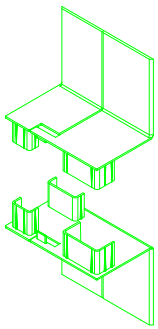


EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

H=66MM
B=34MM
D=66.3MM

SlimPatio 68
013.6303.XX
013.6304.XX
013.6308.XX

069.5665.SY

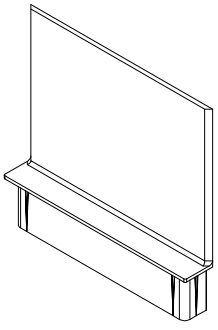


EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

H=66MM
B=68.5MM
D=42.3MM

SlimPatio 68
013.6316.XX
013.6317.XX
013.6318.XX
013.6319.XX

069.5760.SY



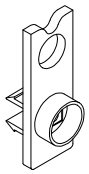
EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

H=66MM
B=68MM
D=10.3MM

SlimPatio 68
013.6340.XX
013.6342.XX
013.6344.XX

G

024.5623.04



STOP
BOUCHE-TROU
PLUG
VERSCHLUSSKAPPE
TAPON
ZASLEPKA

H=15.7MM
B=44.1MM
D=3MM

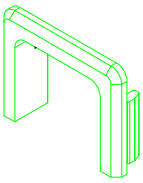
CP 68
013.5303.XX

CP 68Pa
016.5300.XX
016.5301.XX
016.5302.XX

SlimPatio 68
013.5303.XX
013.6300.XX
013.6301.XX
013.6310.XX
013.6311.XX
013.6312.XX
013.6313.XX
013.6400.XX
013.6401.XX
013.6410.XX
013.6411.XX

CP 68-AP

069.5672.SY

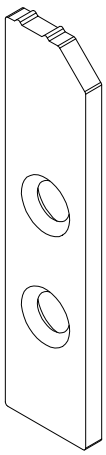


EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

H=17MM
B=22MM
D=6.3MM

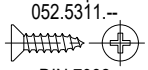
SlimPatio 68
013.6306.XX

069.5676.SY



EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

2 st./pc
052.5311.--

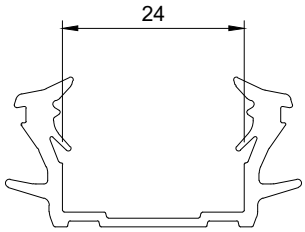


DIN 7982
4.2 x 16

SlimPatio 68
013.6327.XX

G

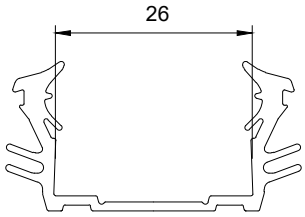
029.5038.SY



BEGLAZINGSRUBBER
JOINT DE VITRAGE
GLAZING GASKET
VERGLASUNGSDICHTUNG
JUNTA DE ACRISTALAR
USZCZELKA PRZYSZYBOWA

CP 68
SlimPatio 68

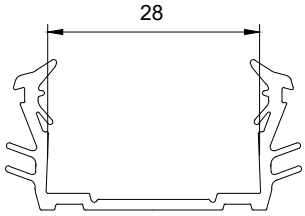
029.5040.SY



BEGLAZINGSRUBBER
JOINT DE VITRAGE
GLAZING GASKET
VERGLASUNGSDICHTUNG
JUNTA DE ACRISTALAR
USZCZELKA PRZYSZYBOWA

CP 68
SlimPatio 68

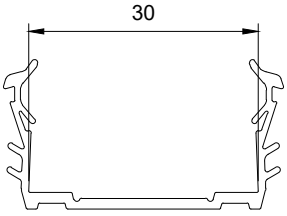
029.5042.SY



BEGLAZINGSRUBBER
JOINT DE VITRAGE
GLAZING GASKET
VERGLASUNGSDICHTUNG
JUNTA DE ACRISTALAR
USZCZELKA PRZYSZYBOWA

CP 68
SlimPatio 68

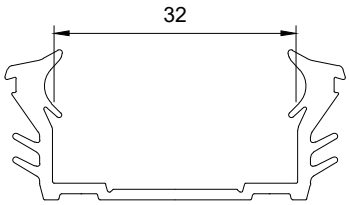
029.5044.SY



BEGLAZINGSRUBBER
JOINT DE VITRAGE
GLAZING GASKET
VERGLASUNGSDICHTUNG
JUNTA DE ACRISTALAR
USZCZELKA PRZYSZYBOWA

CP 68
SlimPatio 68

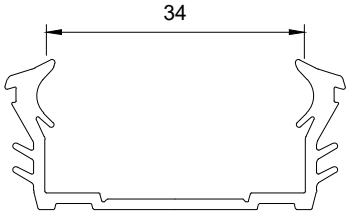
029.5046.SY



BEGLAZINGSRUBBER
JOINT DE VITRAGE
GLAZING GASKET
VERGLASUNGSDICHTUNG
JUNTA DE ACRISTALAR
USZCZELKA PRZYSZYBOWA

CP 68
CP 68-AP
SlimPatio 68

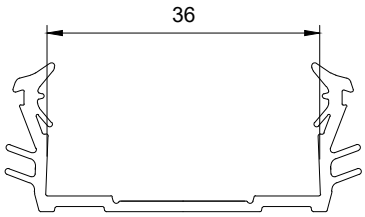
029.5048.SY



BEGLAZINGSRUBBER
JOINT DE VITRAGE
GLAZING GASKET
VERGLASUNGSDICHTUNG
JUNTA DE ACRISTALAR
USZCZELKA PRZYSZYBOWA

CP 68
CP 68-AP
SlimPatio 68

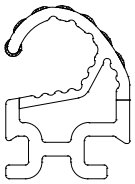
029.5050.SY



BEGLAZINGSRUBBER
JOINT DE VITRAGE
GLAZING GASKET
VERGLASUNGSDICHTUNG
JUNTA DE ACRISTALAR
USZCZELKA PRZYSZYBOWA

CP 68
CP 68-AP
SlimPatio 68

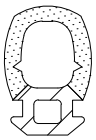
029.5655.04



GLIJDENDE AFDICHTING
JOINT GLISSANT
SLIDING GASKET
SCHIEBEDICHTUNG
JUNTA RESBALADIZO
USZCZELKA SLIZGOWA

CP 68
CP 68-AP
CP 68-GA
CP 68Pa
IndusPatio 68
IndusPatio 68-Ga
SlimPatio 68

080.8442.04



AKOESTISCHE DICHTING
JOINT ACOUSTIQUE
ACOUSTIC GASKET
SCHALLDICHTUNG
JUNTA ACUSTICA
USZCZELKA AKUSTYCZNA

H=8.5
B=5.76

CP 130
006.2989.04
006.3990.04

CP 130-LS
006.2989.04
006.3990.04

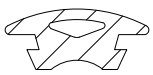
CP 130Pa
016.2991.XX

CP 130Pa-LS
016.2992.XX

CF 68
CF 77
CF 77-AP
CP 155
CP 155-LS
CP 68Pa
CS 104-HI+
CS 38-SL

CS 38-SL/AP
CS 77
CS 77-FP
CS 86-HI
ES 45PA
ES 50
ES 50-AP
HFP 147
HFP 179
MASTERLINE 8-Fu

080.9425.04



DICHTING
JOINT
GASKET
DICHTUNG
JUNTA
USZCZELKA

H=4
B=9.5

MOSQUITO
020.0060.XX

ES 50
ES 50-AP

081.9098.07

BORSTELDICHTING 7.5x5.8MM
JOINT-BROSSE 7.5x5.8MM
WOOLPILE 7.5x5.8MM
BUERSTENDICHTUNG 7.5x5.8MM
CEPILLO 7.5x5.8MM
SZCZOTKA 7.5x5.8MM

H=8.5
B=5.8

CP 45Pa (GR)
011.0848.XX

CP 50
006.1061.XX
006.1062.XX
006.1063.XX
006.1068.XX
006.2085.XX

CP 50-MB

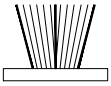
006.1061.XX
006.1062.XX
006.1063.XX
006.1068.XX
006.2085.XX

CP 45PA
CP 50 (GR)
CP 50-GA
CP 68
CP 68-AP

IndusPatio 68
SlimPatio 68

G

081.9115.SY

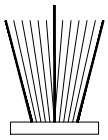


BORSTELDICHTING
JOINT-BROSSE
WOOLPILE
BUERSTENDICHTUNG
CEPILLO
SZCZOTKA

H=6.25
B=6.9

CP 45PA
SlimPatio 68

081.9120.SY

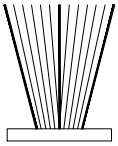


BORSTELDICHTING
JOINT-BROSSE
WOOLPILE
BUERSTENDICHTUNG
CEPILLO
SZCZOTKA

H=7.5
B=5.8

CP 50
SlimPatio 68

081.9130.SY



BORSTELDICHTING
JOINT-BROSSE
WOOLPILE
BUERSTENDICHTUNG
CEPILLO
SZCZOTKA

H=9
B=6.9

CP 130Pa
CP 130Pa-LS
CP 155
MasterPatio
SlimPatio 68

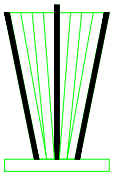
081.9135.SY

BORSTELDICHTING
JOINT-BROSSE
WOOLPILE
BUERSTENDICHTUNG
CEPILLO
SZCZOTKA

H=7
B=6.9

CP 68Pa
HFP 147
HFP 179
SlimPatio 68

081.9137.SY



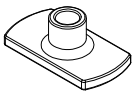
BORSTELDICHTING
JOINT-BROSSE
WOOLPILE
BUERSTENDICHTUNG
CEPILLO
SZCZOTKA

H=11MM
B=6.9MM

SlimPatio 68 013.6326.XX
013.6305.XX
013.6306.XX
013.6314.XX
013.6315.XX
013.6321.XX
013.6325.XX

G

050.5386.--

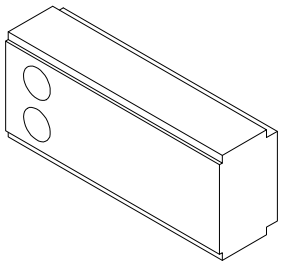


VIERKANTKOPMOER
ECROU TETE CARREE
SQUARE NUT
VIERKANTKOPFMUTTER
TUERCA CUADRADA
NAKRETKA KWADRATOWA

H=6mm
B=17mm
D=9mm

CP 68-AP
SlimPatio 68

062.6951.04

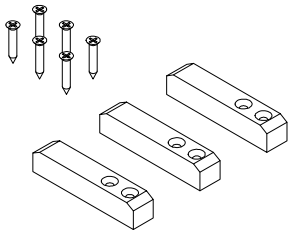


VERSTERKINGSTUK
PIECE DE RENFORCEMENT
REINFORCEMENT PIECE
VERSTAERKUNGSSTUECK
PIEZA REFUERZO
ELEMENT WZMACNIAJACY

H=80MM
B=21.6MM
D=34MM

SlimPatio 68
013.6340.XX
013.6342.XX
013.6344.XX

062.8122.00



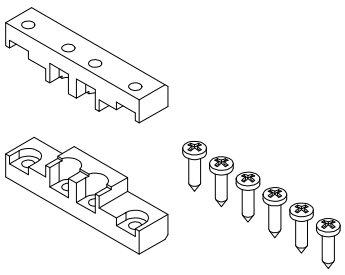
ANTI OPHEFFING BLOK
BLOC D'ANTI-LIFT
ANTI LIFT BLOCK
ANTI AUFZUG KLOTZ
ANTI ASCENSOR BLOQUEAR
ANTY WINDA BLOK

H=15MM
B=75MM
D=15MM

6 st./pc
053.5401.--
DIN 7504P
4.2 x 25

SlimPatio 68
013.6322.XX

062.8125.00



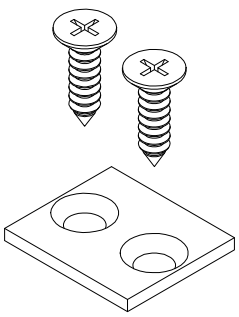
BEVESTIGING
FIXATION
FIXINGS
BEFESTIGUNG
FIJACION
PROFIL MOCUJACY

H=24MM
B=100MM
D=21.4MM

6 st./pc
052.5350.--
DIN 7981
6.3 x 25

SlimPatio 68
013.6321.XX
013.6322.XX
013.6325.XX
013.6326.XX

062.9098.00



VERSTERKINGSTUK
PIECE DE RENFORCEMENT
REINFORCEMENT PIECE
VERSTAERKUNGSSTUECK
PIEZA REFUERZO
ELEMENT WZMACNIAJACY

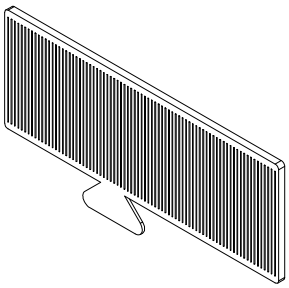
H=2MMM
B=23MM
D=20MM

2 st./pc
052.5311.--
DIN 7982
4.2 x 16

CP 68
013.5313.XX

SlimPatio 68
013.5313.XX

G

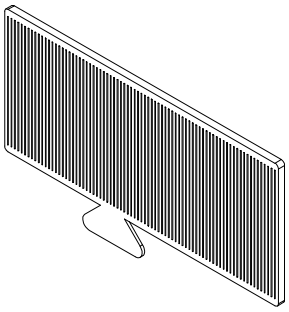


021.6002.07

GLASSTEUN 30MM
SUPPORT CALE DE VITRAGE 30MM
GLASS SUPPORT 30MM
GLASAUFLAGEPROFIL 30MM
SOPORTE VIDRIO 30MM
PODPORKA POD PRZESZK. 30MM

H=30MM
B=80MM
D=2MM

CP 68
CP 68Pa
SlimPatio 68

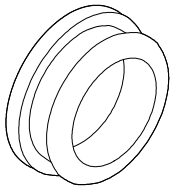


021.6003.07

GLASSTEUN 36MM
SUPPORT CALE DE VITRAGE 36MM
GLASS SUPPORT 36MM
GLASAUFLAGEPROFIL 36MM
SOPORTE VIDRIO 36MM
PODPORKA POD PRZESZK. 36MM

H=36MM
B=80MM
D=2MM

CP 68
CP 68-AP
SlimPatio 68

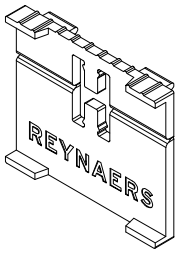


065.6555.04

STOP Ø10MM
BOUCHE-TROU Ø10MM
PLUG Ø10MM
VERSCHLUSSKAPPE Ø10MM
TAPON Ø10MM
ZASLEPKA Ø10MM

B= 7
D= 10/13

MASTERLINE 8-Fu	**CP 130-LS**	**CS 38-SL**	**CW 50-VL**
406.0327.XX	**CP 130Pa**	**CS 38-SL/AP**	**CW 60**
	CP 130Pa-LS	**CS 59**	**CW 60-HL**
MasterPatio	**CP 155**	**CS 59PA**	**MEDAS**
406.0327.XX	**CP 155-LS**	**CS 68**	**MOSQUITO**
	CR 120	**CS 77**	**PR 100**
CP 130	**CS 104-HI+**	**CS 77-BP**	**SlimPatio 68**



069.5673.SY

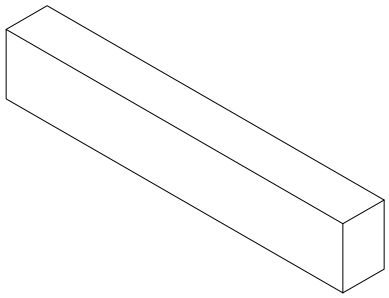
EINDSTUK
PIECE FINALE
END PIECE
ENDSTUECK
TERMINAL
KONCOWKA

H=47.5MM
B=56MM
D=12MM

HFP 147		013.6322.XX
013.6330.XX	**SlimPatio 68**	013.6325.XX
013.6331.XX	013.6305.XX	013.6330.XX
	013.6306.XX	013.6331.XX
HFP 179	013.6314.XX	
013.6330.XX	013.6315.XX	
013.6331.XX	013.6321.XX	

G

022.5584.01

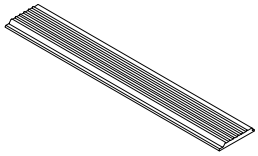


STOP
BOUCHE-TROU
PLUG
VERSCHLUSSKAPPE
TAPON
ZASLEPKA

H=90MM
B=16MM
D=11MM

CP 68
CP 68-AP
SlimPatio 68

024.5605.04

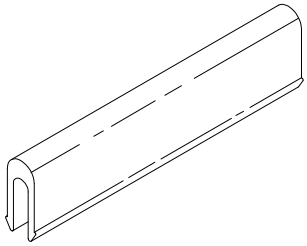


GLASSTEUN
SUPPORT CALE DE VITRAGE
GLASS SUPPORT
GLASAUFLAGEPROFIL
SOPORTE VIDRIO
PODPORKA POD PRZESZK.

H=100MM
B=16.5MM
D=2MM

CP 68
CP 68-AP
CP 68Pa
SlimPatio 68

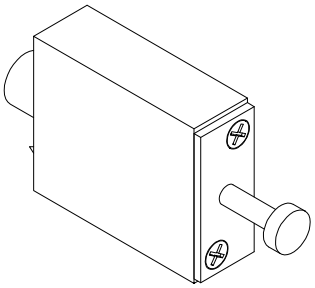
062.7142.04



BOVENRAIL
RAIL SUPERIEUR
TOP RAIL
OBERE SCHIENE
GUIA SUPERIOR
SZYNA GORNA

H=12MM
B=5MM
D=50MM

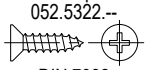
062.8269.--



BUFFER POCKET SOLUTION
BUTEE POCKET SOLUTION
BUFFER POCKET SOLUTION
STOPPER POCKET SOLUTION
TOPE POCKET SOLUTION
ODBOJNIK ROZWIAZANIE KIESZENIOWE

H=50MM
B=101.5MM
D=20MM

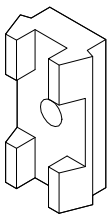
2 st./pc
052.5322.--



DIN 7982
4.2 x 70

SlimPatio 68
013.6315.XX
013.6322.XX

068.6351.04



KLEMSTUK
CLIP
CLIP
BEFESTIGUNGSKLOTZ
CLIP
UCHWYT

H=23
B=12
D=8

SlimPatio 68	004.3843.XX	**CS 59**
013.6314.XX		**CS 59PA**
013.6321.XX	**CP 130**	**CS 68**
013.6325.XX	**CP 130-LS**	**CS 77**
	CP 155	**CSW 86-HI**
ES 50	**CP 155-LS**	**ES 50-AP**
004.3167.XX	**CS 104-HI+**	**REYNASCREEN**

084.9107.--

SEKONDENLIJM 20g
COLLE RAPIDE 20g
CONTACT GLUE 20g
SEKUNDENKLEBER 20g
ADHESIVO DE CONTACTO 20g
KLEJ SZYBKOWIAZACY 20g

20GR

MASTERLINE 8-Fu
180.8682.04

CW 50-FP

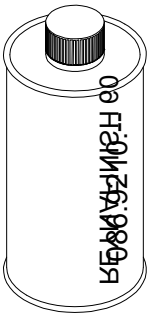
084.9108.04

VULKANISEERLIJM DICHTINGEN 310ML
COLLE VULCANISANTE JOINTS 310ML
VULCANISING GLUE GASKETS 310ML
VULKANISIERKLEBER DICHTUNGEN 310ML
VULCANIZADOR JUNTAS 310ML
KLEJ WULKANIZUJACY DO USZCZELEK 310ML

310ML

086.9207.06

REYNAPROTECTOR
REYNAPROTECTOR
REYNAPROTECTOR
REYNAPROTECTOR
REYNAPROTECTOR
REYNAPROTECTOR



086.9210.--

REYNAFINISH 60 (VOC=100 %)
REYNAFINISH 60 (VOC=100 %)
REYNAFINISH 60 (VOC=100 %)
REYNAFINISH 60 (VOC=100 %)
REYNAFINISH 60 (VOC=100 %)
REYNAFINISH 60 (VOC=100 %)

1L

G

086.9213.--

REYNAWASH ANO
REYNAWASH ANO
REYNAWASH ANO
REYNAWASH ANO
REYNAWASH ANO
REYNAWASH ANO

500ML

086.9551.--

SILICONE-SPRAY 400ML
AEROSOL-SILICONE 400ML
SILICONE SPRAY 400ML
SILICONENSPRAY 400ML
SPRAY SILICONA 400ML
SPRAY SILIKONOWY 400ML

400ML

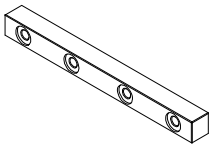
084.9056.04

LIJM
COLLE
GLUE
LEIM
ADHESIVO
KLEJ

250ML

CS 77
CS 86-HI
SlimPatio 68

062.8065.00



VERBINDING
JONCTION
BRACKET TOP
VERBINDER
UNION
LACZNIK DO 07.0510.XX

H=175
B=17
D=16

4 st./pc
050.5094.--
-
M8 x 15

CP 155
006.0320.XX

006.0320.XX
006.1322.XX

013.6321.XX
013.6325.XX

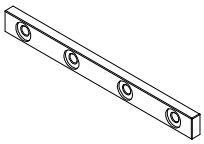
CP 155-AP
006.0320.XX

CP 155-LS/AP
006.0320.XX

CP 155-LS

SlimPatio 68

062.8066.00



VERBINDING
JONCTION
BRACKET TOP
VERBINDER
UNION
LACZNIK DO 07.0510.XX

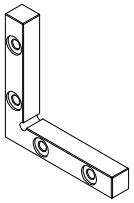
H=175
B=17
D=8

4 st./pc
050.5094.--
-
M8 x 15

SlimPatio 68
013.6322.XX
013.6326.XX

CP 155-LS

062.8083.00



HOEKVERBINDER
EQUERRE
CORNER CLEAT
ECKVERBINDER
ESCUADRA
LACZNIK NAROZNY

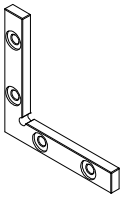
H=100
B=100
D=16

4 st./pc
050.5094.--
-
M8 x 15

SlimPatio 68
013.6321.XX
013.6325.XX

CP 155-LS

062.8084.00



HOEKVERBINDER
EQUERRE
CORNER CLEAT
ECKVERBINDER
ESCUADRA
LACZNIK NAROZNY

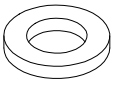
H=100
B=100
D=16

4 st./pc
050.5094.--
-
M8 x 15

SlimPatio 68
013.6322.XX
013.6326.XX

CP 155-LS

054.5441.04

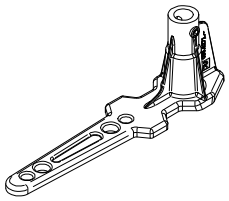


DICHTING EPDM
JOINT EPDM
GASKET
DICHTUNG
JUNTA
USZCZELKA MAGNETYCZNA

H=14
B=14
D=2

CP 155
CP 155-LS/AP
ES 50-PL
SlimPatio 68

056.6271.--

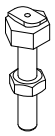


ANKERSTUK
BASE D'ANCRAGE
PART ANCHOR
EINDREHANKER
PIEZA PARA ANCLAJE
ELEMENT KOTWY

H=51MM
B=35MM
D=155MM

CF 68	**CS 59**	**CS 68-SO**	**MASTERLINE 8-Re**
CF 68-AP	**CS 59-AD**	**CS 77**	**MASTERLINE 8-SoftTone**
CF 77	**CS 59-AP**	**CS 77-AP**	**MASTERLINE 8-Sw**
CF 77-AP	**CS 59-HV**	**CS 77-BP**	**MasterPatio**
CF 77-SL	**CS 59PA**	**CS 77-FP**	**SL 38**
CP 130	**CS 59Pa-BP**	**CS 77-HV**	**SL 38-AP**
CP 130-LS	**CS 59Pa-CD**	**CS 77-PD**	**SL 38-FP**
CP 155	**CS 59Pa-SD**	**CS 77-RE**	**SlimPatio 68**
CP 155-AP	**CS 59-PD**	**CS 77-SP**	
CP 155-LS	**CS 59-RE**	**HFP 147**	
CP 155-LS/AP	**CS 59-SD**	**HFP 179**	
CP 45PA	**CS 59-SO**	**MASTERLINE 10-De**	
CP 50	**CS 68**	**MASTERLINE 10-Fu**	
CP 50-HI	**CS 68-AP**	**MASTERLINE 10-HV**	
CP 96	**CS 68-FP**	**MASTERLINE 10-Re**	
CP 96-AP	**CS 68-HV**	**MASTERLINE 8-De**	
CP 96-LS	**CS 68-PD**	**MASTERLINE 8-Fu**	
CP 96-LS/AP	**CS 68-RE**	**MASTERLINE 8-HV**	

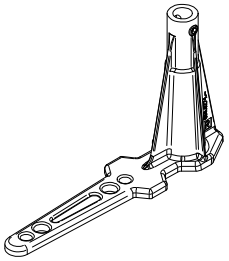
056.6272.--



ANKERSTUK H=70-110MM
BASE D'ANCRAGE H=70-110MM
PART ANCHOR H=70-110MM
EINDREHANKER H=70-110MM
PIEZA PARA ANCLAJE H=70-110MM
ELEMENT KOTWY H=70-110MM

CF 68	**CS 59**	**CS 68-SO**	**MASTERLINE 8-Sw**
CF 68-AP	**CS 59-AD**	**CS 77**	**MasterPatio**
CF 77	**CS 59-AP**	**CS 77-AP**	**SL 38**
CF 77-AP	**CS 59-HV**	**CS 77-BP**	**SL 38-AP**
CF 77-SL	**CS 59PA**	**CS 77-FP**	**SL 38-FP**
CP 130	**CS 59Pa-BP**	**CS 77-HV**	**SlimPatio 68**
CP 130-LS	**CS 59Pa-CD**	**CS 77-PD**	
CP 155	**CS 59Pa-SD**	**CS 77-RE**	
CP 155-AP	**CS 59-PD**	**CS 77-SP**	
CP 155-LS	**CS 59-RE**	**MASTERLINE 10-De**	
CP 155-LS/AP	**CS 59-SD**	**MASTERLINE 10-Fu**	
CP 45PA	**CS 59-SO**	**MASTERLINE 10-HV**	
CP 50	**CS 68**	**MASTERLINE 10-Re**	
CP 50-HI	**CS 68-AP**	**MASTERLINE 8-De**	
CP 96	**CS 68-FP**	**MASTERLINE 8-Fu**	
CP 96-AP	**CS 68-HV**	**MASTERLINE 8-HV**	
CP 96-LS	**CS 68-PD**	**MASTERLINE 8-Re**	
CP 96-LS/AP	**CS 68-RE**	**MASTERLINE 8-SoftTone**	

056.6274.--

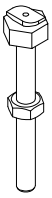


ANKERSTUK
BASE D'ANCRAGE
PART ANCHOR
EINDREHANKER
PIEZA PARA ANCLAJE
ELEMENT KOTWY

H=91MM
B=35MM
D=155MM

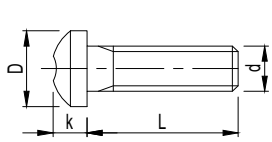
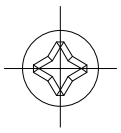
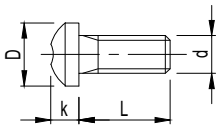
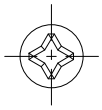
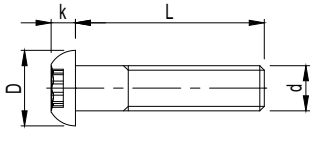
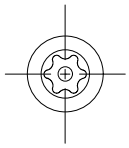
CF 68	**CS 59**	**CS 77-AP**	**MASTERLINE 8-Sw**
CF 68-AP	**CS 59-AD**	**CS 77-BP**	**MasterPatio**
CF 77	**CS 59-AP**	**CS 77-FP**	**SL 38**
CF 77-AP	**CS 59-HV**	**CS 77-HV**	**SL 38-AP**
CF 77-SL	**CS 59PA**	**CS 77-PD**	**SL 38-FP**
CP 130	**CS 59Pa-BP**	**CS 77-RE**	**SlimPatio 68**
CP 130-LS	**CS 59Pa-CD**	**CS 77-SP**	
CP 155	**CS 59Pa-SD**	**HFP 147**	
CP 155-AP	**CS 59-PD**	**HFP 179**	
CP 155-LS	**CS 59-RE**	**MASTERLINE 10-De**	
CP 155-LS/AP	**CS 59-SD**	**MASTERLINE 10-Fu**	
CP 45PA	**CS 59-SO**	**MASTERLINE 10-HV**	
CP 50	**CS 68**	**MASTERLINE 10-Re**	
CP 50-HI	**CS 68-AP**	**MASTERLINE 8-De**	
CP 96	**CS 68-FP**	**MASTERLINE 8-Fu**	
CP 96-AP	**CS 68-HV**	**MASTERLINE 8-HV**	
CP 96-LS	**CS 68-RE**	**MASTERLINE 8-Re**	
CP 96-LS/AP	**CS 77**	**MASTERLINE 8-SoftTone**	

056.6275.--

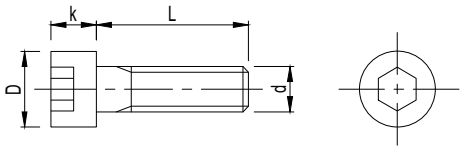


ANKERSTUK 110MM-180MM
BASE D'ANCRAGE 110MM-180MM
PART ANCHOR 110MM-180MM
EINDREHANKER 110MM-180MM
PIEZA PARA ANCLAJE 110MM-180MM
ELEMENT KOTWY 110MM-180MM

CF 68	**CS 59Pa-BP**	**CS 77-RE**	**SlimPatio 68**
CF 68-AP	**CS 59Pa-CD**	**CS 77-SP**	
CF 77	**CS 59Pa-SD**	**HFP 147**	
CF 77-AP	**CS 59-PD**	**HFP 179**	
CF 77-SL	**CS 59-RE**	**MASTERLINE 10-De**	
CP 130	**CS 59-SD**	**MASTERLINE 10-Fu**	
CP 130-LS	**CS 59-SO**	**MASTERLINE 10-HV**	
CP 155	**CS 68**	**MASTERLINE 10-Re**	
CP 155-AP	**CS 68-AP**	**MASTERLINE 8-De**	
CP 155-LS	**CS 68-FP**	**MASTERLINE 8-Fu**	
CP 155-LS/AP	**CS 68-HV**	**MASTERLINE 8-HV**	
CP 45PA	**CS 68-RE**	**MASTERLINE 8-Re**	
CP 50	**CS 77**	**MASTERLINE 8-SoftTone**	
CP 50-HI	**CS 77-AP**	**MASTERLINE 8-Sw**	
CP 96	**CS 77-BP**	**MasterPatio**	
CP 96-AP	**CS 77-FP**	**SL 38**	
CP 96-LS	**CS 77-HV**	**SL 38-AP**	
CP 96-LS/AP	**CS 77-PD**	**SL 38-FP**	

		d	afm. dimen. L	dimen. Masse k	D
  DIN 7985 ISO 7045	050.5065.--	M4	5	3.1	8
	050.5092.--	M4	8	3.1	8
	050.5109.--	M4	12	3.1	8
	050.5066.--	M4	14	2.5	6.5
	050.5019.--	M4	18	3.1	8
	050.5035.--	M4	60	3.1	8
	050.5010.--	M5	6	3.8	10
	050.5110.--	M5	8	3.8	10
	050.5106.--	M5	10	3.8	9.8
	050.5016.--	M5	12	3.8	10
	050.5013.--	M5	16	3.8	10
	050.5014.--	M5	20	3.8	10
	050.5111.--	M6	8	4.6	12
	050.5116.--	M6	16	4.6	12
	050.5112.--	M6	25	4.6	12
	050.5113.--	M6	115	4.6	10
  DIN 7985 ISO 7045	050.5118.--	M5	6	3.8	10
	050.5117.--	M5	8	3.8	10
	050.5119.--	M5	12	3.8	10
	050.5026.--	M5	14	3.8	10
	050.5020.--	M5	16	3.8	9.5
	SCHROEF MET BORGINGSVERF VIS AVEC COLLE DE BLOCAGE SCREW WITH LOCK PAINT SCHRAUBE MIT SICHERUNGSFARBE				
  TORX + pin ISO 14583	030.5039.--	M6	20	3.2	10
	030.5040.--	M6	25	3.2	10
	030.5041.--	M10	40	5.2	17.5
	BEVEILIGINGSCHROEF SÉCURITÉ VIS SECURITY SCREW SICHERCHEITSSCHRAUBE				

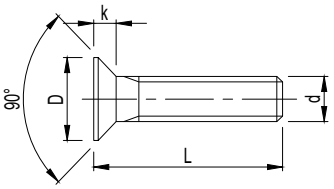
G



	d	afm. dimen. L	dimen. Masse k	D
050.5025.--	M4	20	4	7
050.5071.--*	M5	12	5	8.5
050.5072.--	M5	35	5	8.5
050.5029.--	M6	16	6	10
050.5031.--	M6	20	6	10
050.5180.--	M6	25	6	10
050.5032.--	M6	30	6	10
050.5033.--	M6	35	6	10
050.5034.--	M6	40	6	10
050.5021.--	M6	45	6	10
050.5030.--	M6	50	6	10
050.5022.--	M6	60	6	10
050.5023.--	M6	65	6	10
050.5024.--	M6	70	6	10
050.5260.--	M8	20	8	13

DIN 912
ISO 4762

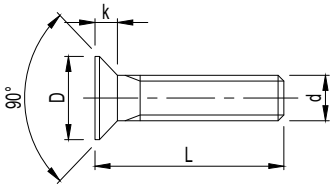
* used in assembly, sales = no

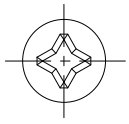


050.5002.--	M4	8	2.2	7.5
050.5170.--	M4	10	2.2	7.5
050.5003.--	M4	12	2.2	7.5
050.5018.--	M4	16	2.2	7.5
050.5077.--	M4	25	2.2	7.3
050.5078.--	M4	30	2.2	7.3
050.5132.--	M5	6	2.5	11
050.5015.--	M5	8	2.5	9.2
050.5130.--	M5	10	2.5	9.2
050.5131.--	M5	12	2.5	9.2
050.5161.--	M5	16	2.5	9.2
050.5162.--	M5	18	2.5	9.2
050.5011.--	M5	20	2.5	9.2
050.5001.--	M5	25	2.5	9.2
050.5017.--	M5	30	2.5	9.2
050.5047.--	M5	40	2.5	9.2
050.5081.--	M5	45	2.5	9.2
050.5048.--	M5	50	2.5	9.2
050.5005.--	M5	55	2.5	9.2
050.5004.--	M5	60	2.5	9.2
050.5073.--	M5	65	2.5	9.2

DIN 965
ISO 7046

* used in assembly, sales = no

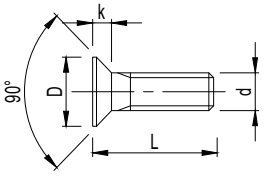


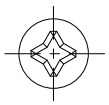


	d	afm. dimen. L	dimen. Masse k	D
050.5082.--	M5	70	2.5	9.2
050.5074.--	M5	75	2.5	9.2
050.5083.--	M5	80	2.5	9.2
050.5086.--	M5	85	2.7	9.3
050.5084.--	M5	90	2.5	9.2
050.5008.--*	M5	95	2.5	9.2
050.5036.--	M5	100	2.5	9.2
050.5085.--	M5	110	2.5	9.2
050.5139.--	M6	8	3	11
050.5140.--	M6	10	3	11
050.5053.--	M6	12	3	11
050.5060.--	M6	16	4	11
050.5050.--	M6	25	3	11
050.5051.--	M6	30	3	11
050.5052.--	M6	35	3	11
050.5055.--	M6	45	3	11
050.5126.--	M6	60	3.3	11.3
050.5121.--	M6	65	3	11
050.5141.--	M6	70	3	11
050.5122.--	M6	75	3	11
050.5142.--	M6	80	3	9.2
050.5143.--	M6	85	3.3	11.3
050.5123.--	M6	90	3	11
050.5124.--	M6	100	3	11
050.5125.--	M6	110	3.3	11.3
050.5075.--	M8	20	4	14.5

DIN 965
ISO 7046

* used in assembly, sales = no

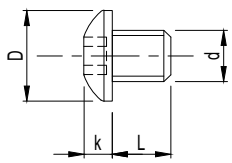


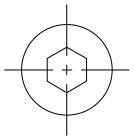


	d	afm. dimen. L	dimen. Masse k	D
050.5000.--	M5	10	2.5	9.2
050.5009.--	M5	16	2.5	9.2
050.5012.--	M5	12	2.5	9.2
050.5080.--	M5	40	2.5	9.2

SCHROEF MET BORGINGSVERF
VIS AVEC COLLE DE BLOCAGE
SCREW WITH LOCK PAINT
SCHRAUBE MIT SICHERUNGSFARBE

DIN 965
ISO 7046



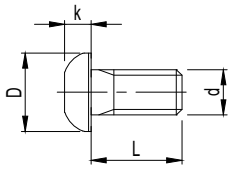
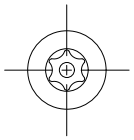
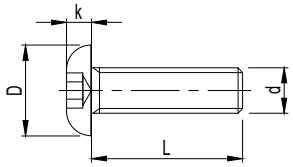
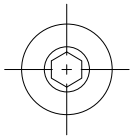
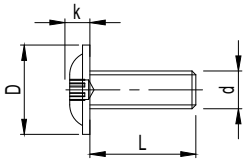
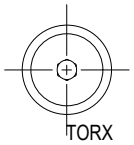
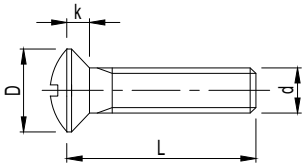
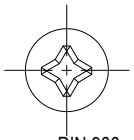
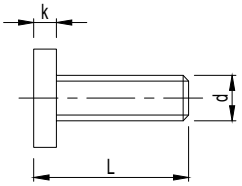
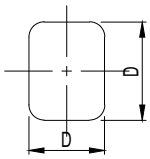
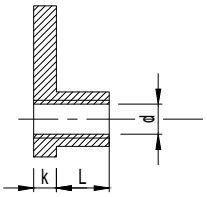
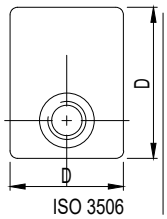
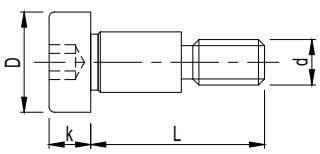
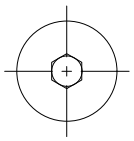
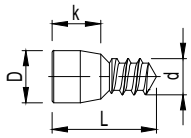
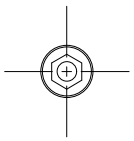


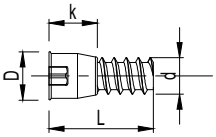
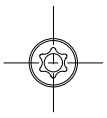
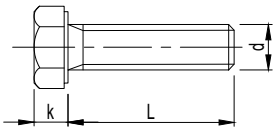
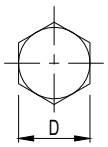
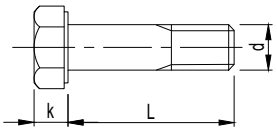
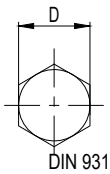
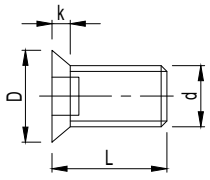
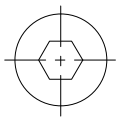
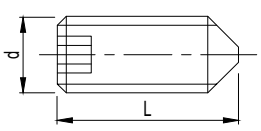
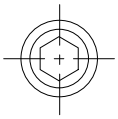
	d	afm. dimen. L	dimen. Masse k	D
050.5229.--*	M3	6	1.7	5.7
050.5230.--	M8	10	4.4	14

ISO 7380

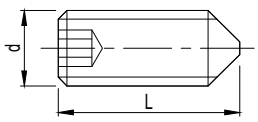
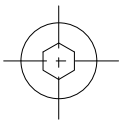
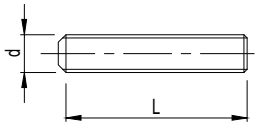
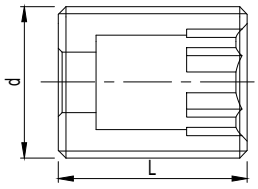
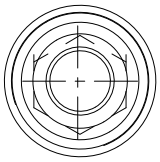
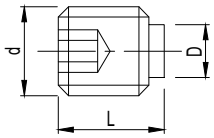
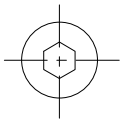
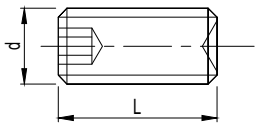
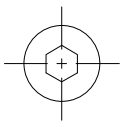
* used in assembly, sales = no

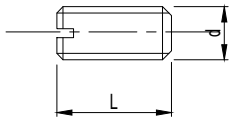
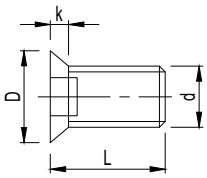
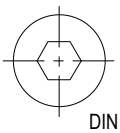
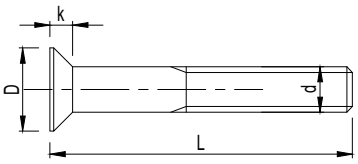
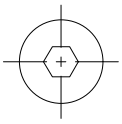
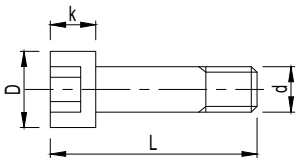
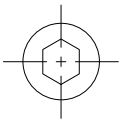
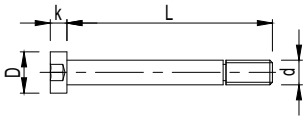
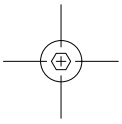
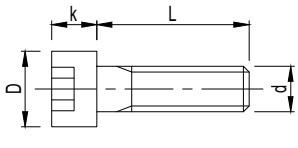
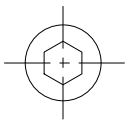
G

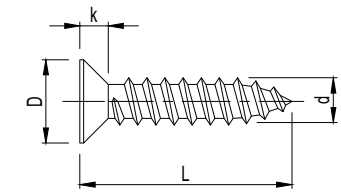
			d	afm. dimen. L	dimen. Masse k	D
	 TORX + pin ISO 7380	050.5114.-- 050.5115.-- BEVEILIGINGSCHROEF SÉCURITÉ VIS SECURITY SCREW SICHERCHEITSSCHRAUBE	M6 M6			10.35 10.35
	 ISO 7380	030.5042.-- 030.5043.-- 030.5044.--	M6 M6 M10	20 25 40	3.3 3.3 5.5	12 12 20
	 TORX ISO 7380-f	050.5227.--	M5	14	2.7	11.8
	 DIN 966 ISO 7047	050.5191.--	M6	45	3	11
	 ISO 2768-m	050.5381.--	M6	16	3	10x14
	 ISO 3506	050.5398.--	M5	7	3	15x20
	 ISO 7379	050.5196.-- 050.5195.--	M6 M8	23 33	5.5 7	13.27 16
	 ISO 2768-m	050.5153.--	4.8	13.8	6.4	6.9

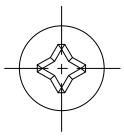
			d	afm. dimen. L	dimen. Masse k	D
	 TORX	030.5047.--	4.8	13.8	6.4	6.4
	 DIN 933 ISO 4017	050.5270.--	M4	6	2.8	7
		050.5271.--	M4	10	2.8	7
		050.5202.--*	M6	12	4	10
		050.5391.--	M6	20	4	10
		050.5204.--	M10	22	6.4	17
		050.5200.--	M10	40	6.4	17
		050.5203.--	M10	60	6.4	17
		050.5205.--	M10	70	6.4	17
		050.5201.--	M10	80	6.4	17
		* used in assembly, sales = no				
	 DIN 931 ISO 4014	050.5388.--	M10	100	6.4	17
		050.5389.--	M10	130	6.4	17
	 DIN 7991 ISO 10642	050.5042.--*	M5	10	2.8	10
		050.5040.--	M6	10	4	12
		050.5041.--	M6	12	3.3	12
		050.5093.--	M8	8	2.4	12
		050.5091.--	M8	10	2.4	12
		050.5094.--	M8	15	2.4	12
		* used in assembly, sales = no				
	 DIN 913 ISO 4026	051.5257.--	M5	12		
		051.5262.--	M6	8		
		051.5263.--*	M6	12		
		051.5277.--*	M6	16		
		051.5264.--*	M6	20		
		051.5291.--	M8	8		
		051.5292.--	M8	12		
		051.5299.--*	M12	12		
		* used in assembly, sales = no				

G

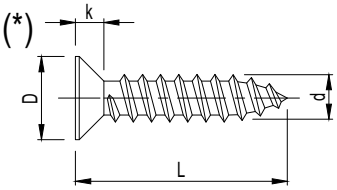
		d	afm. dimen. L	dimen. Masse k	D
  DIN 914 ISO 4027	051.5265.--	M4	4		
	051.5273.--	M4	5		
	051.5279.--	M4	10		
	051.5272.--	M5	6		
	051.5252.--	M5	12		
	051.5274.--	M6	6		
	051.5278.--	M6	16		
	051.5270.--	M8	8		
	051.5271.--	M6	10		
	051.5269.--	M8	12		
	*used in assembly, sales = no				
 DIN 914 ISO 4027	051.5241.--	M5	25		
	051.5242.--	M5	35		
	051.5243.--	M5	50		
	151.5279.--	M4	12		
  ISO 2768-m	051.5309.17*	M20	25		
  DIN 915 ISO 4028	051.5254.--	M5	6		3.5
	051.5255.--	M5	12		3.5
	051.5253.--	M5	35		3.8
  DIN 916 ISO 4029	051.5284.--	M4	5		
	051.5266.--	M4	6		
	051.5282.--	M4	8		
	051.5281.--	M4	10		
	051.5240.--	M5	6		
	051.5285.--	M5	8		
	051.5250.--	M5	10		
	051.5280.--	M5	12		
	051.5290.--	M8	10		

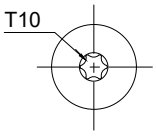
		d	afm. dimen. L	dimen. Masse k	D
 DIN 438 ISO 7436	051.5100.--	M4	6		
  DIN 7991 ISO 10642	050.5076.-- SCHROEF MET BORGINGSVERF VIS AVEC COLLE DE BLOCAGE SCREW WITH LOCK PAINT SCHRAUBE MIT SICHERUNGSFARBE	M4	6	2.2	7.5
  DIN 7991	050.5054.--	M6	40	3	11
  DIN 7984	050.5043.--	M6	29	4	10
	050.5045.--	M6	54	4	10
  DIN 7984	050.5045.-- SCHROEF MET BORGINGSVERF VIS AVEC COLLE DE BLOCAGE SCREW WITH LOCK PAINT SCHRAUBE MIT SICHERUNGSFARBE	M6	50	4	10
  DIN 912 ISO 4762	050.5028.--	M6	16	6	10
	050.5039.-- SCHROEF MET BORGINGSVERF VIS AVEC COLLE DE BLOCAGE SCREW WITH LOCK PAINT SCHRAUBE MIT SICHERUNGSFARBE	M6	18	6	10



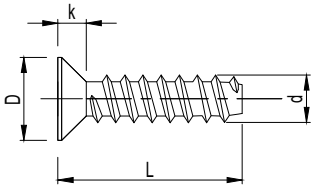


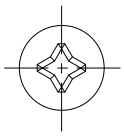
(*)





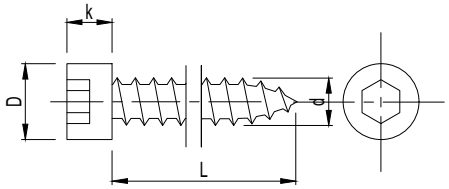
(**) Form F





DIN 7982
ISO 7050

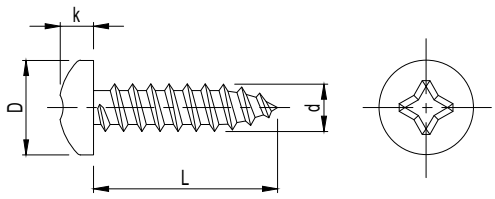
	d	afm. dimen. L	dimen. Masse k	D
050.5108.--(*)	3	6	2.3	5
052.5375.--(**)	3.5	6.5	2.1	6.8
052.5308.--(*)	3.5	13	2.1	6.8
052.5355.--	3.5	19	2.1	6.8
052.5309.--	3.9	19	2.3	7.5
052.5201.--	3.9	25	2.3	7.5
052.5345.--	4.2	9.5	2.5	8.1
052.5312.--	4.2	13	2.5	8.1
052.5311.--	4.2	16	2.5	8.1
052.5316.--	4.2	19	2.5	8.1
052.5327.--	4.2	25	2.5	8.1
052.5313.--	4.2	32	2.5	8.1
052.5318.--	4.2	38	2.5	8.1
052.5329.--	4.2	50	2.5	8.1
052.5328.--	4.2	60	2.5	8.1
052.5322.--	4.2	70	2.5	8.1
052.5332.--	4.8	13	3	9.5
052.5331.--	4.8	19	3	9.5
052.5333.--	4.8	25	3	9.5
052.5336.--	4.8	32	3	9.5
052.5337.--	4.8	38	3	9.5
052.5335.--	4.8	45	3	9.5
052.5338.--	4.8	50	3	9.5
052.5334.--	4.8	70	3	9.5
052.5339.--	5.5	13	3	9.5
052.5346.--	5.5	19	3.4	10.8
052.5380.--	6.3	13	3.8	12.4
052.5381.--	6.3	38	3.8	12.4



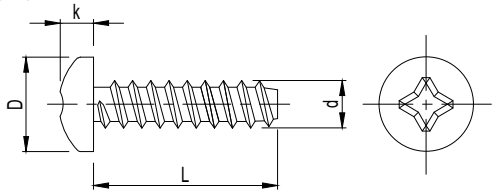
052.5372.--	6.3	13	6	10
052.5371.--	6.3	38	6	10
052.5373.--	6.3	70	6	10

DIN 912
ISO 4762

G

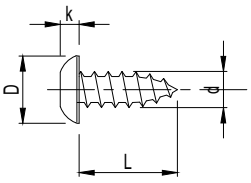


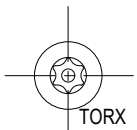
(**) Form F



DIN 7981
ISO 7049

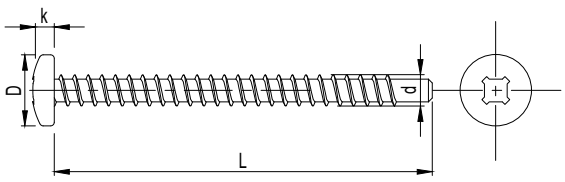
	d	afm. dimen. L	dimen. Masse k	D
052.5320.--	3.5	9.5	2.6	6.9
052.5200.--	3.9	19	2.8	7.5
052.5360.--	4.2	9.5	3.05	8.2
052.5317.--	4.2	13	3.05	8.2
052.5310.--	4.2	16	3.05	8.2
052.5347.--	4.2	19	3.05	6.2
052.5315.--	4.2	25	3.05	8.2
052.5250.--(**)	4.2	25	3.05	8.2
052.5321.--	4.2	32	3.05	8.2
052.5348.--	4.2	38	3.05	8.2
052.5314.--	4.2	50	3.05	8.2
052.5330.--	4.8	13	3.55	9.5
052.5300.--	4.8	19	3.55	9.5
052.5349.--	4.8	32	3.55	9.5
052.5301.--	4.8	38	3.55	9.5
052.5302.--	4.8	50	3.55	9.5
052.5323.--	4.8	60	3.55	9.5
052.5306.--	4.8	70	3.55	9.5
052.5305.--	4.8	80	3.55	9.5
052.5304.--	4.8	90	3.55	9.5
052.5344.--	5.5	13	3.95	10.8
052.5343.--	5.5	25	3.95	10.8
052.5342.--	5.5	32	3.95	10.8
052.5341.--	5.5	38	3.95	10.8
052.5340.--	5.5	45	3.95	10.8
052.5350.--	6.3	25	4.55	12.5
052.5351.--	6.3	38	4.55	12.5



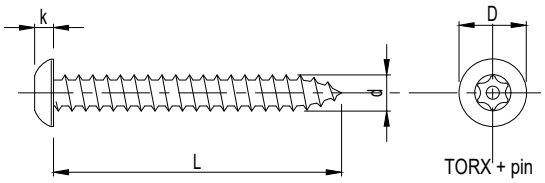


TORX
DIN 7981
ISO 3506

052.6330.--	4.8	13	3.1	9.5
052.5307.--	3.5	19	4.5	6.9



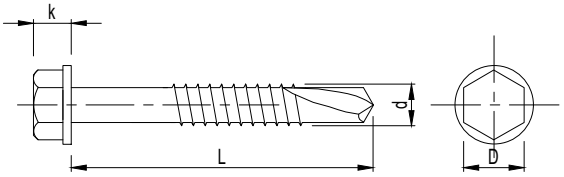
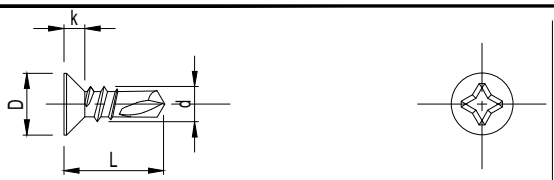
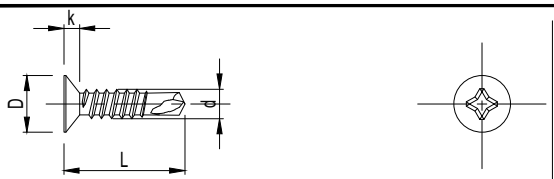
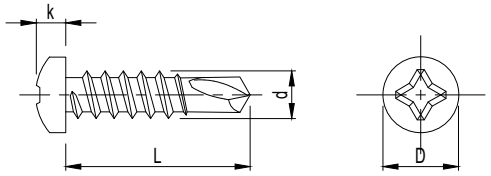
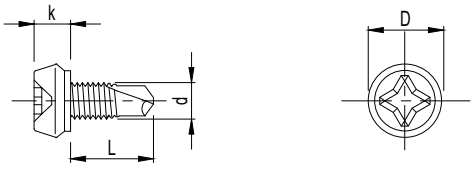
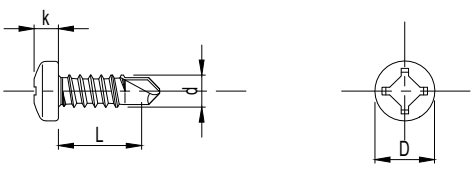
052.5325.--	4.2	50	3	9.4

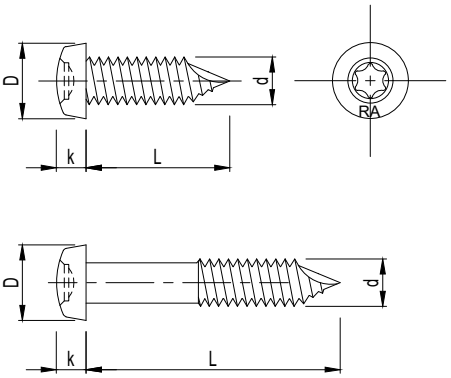


TORX + pin
ISO 3506-1

052.5400.--	4.8	38	2.5	8.9

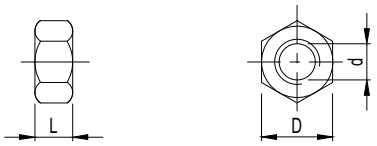
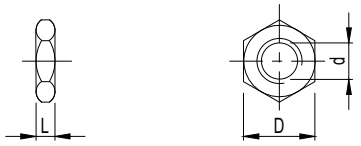
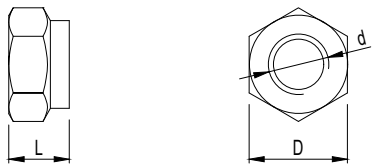
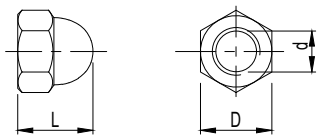
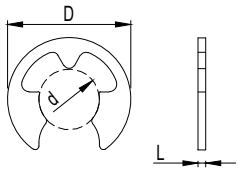
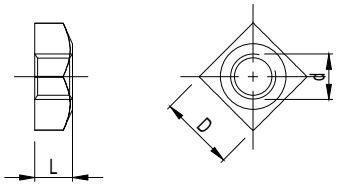
BEVEILIGINGSCHROEF
SÉCURITÉ VIS
SECURITY SCREW
SICHERCHEITSSCHRAUBE

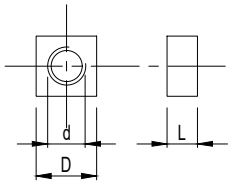
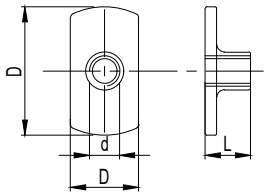
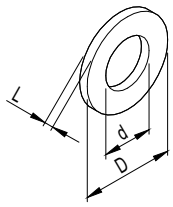
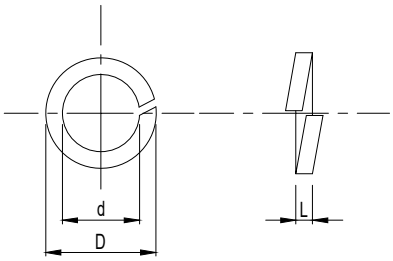
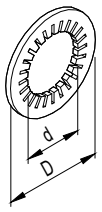
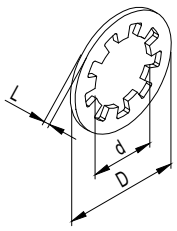
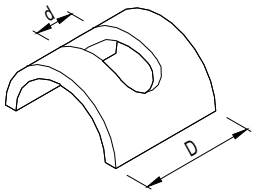
		d	afm. dimen. L	dimen. Masse k	D
 BIMETAL DRILL IN STEEL DIN 7168m	053.5199.--	5.5	70	5	8
	053.5200.--	5.5	90	5	8
	053.5201.--	5.5	110	5	8
	053.5202.--	5.5	130	5	8
 DIN 7504N	053.5403.--	4.2	13	2.5	8.1
 DIN 7504P	053.5409.--	3.9	16	2.1	7.5
	053.5406.--	4.2	16	3.1	8.1
	053.5401.--	4.2	25	2.5	8.1
 DIN 7504N	053.5412.--	4.2	19	2.5	8.1
	053.5404.--	4.2	19	2.5	10
	053.5402.--	4.2	38	2.5	8.1
	0FR.9881.--	4.8	25	3.55	9.5
	053.5411.--	4.8	32	3.55	9.5
	053.5413.--	4.8	50	3.55	9.5
	053.5414.--	4.8	60	3.7	9.5
	053.5415.--	4.8	70	3.7	9.5
	021.5169.--	M5	11	4.8	9.7
	024.5521.--	M5	14	4.8	9.7
	053.5405.--	4.2	13	3.2	7.9

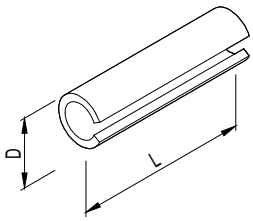
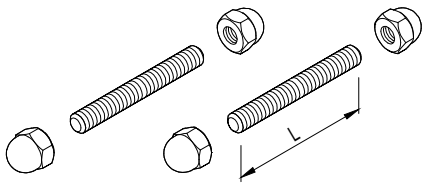
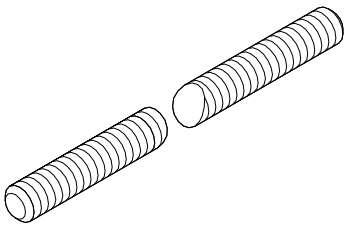
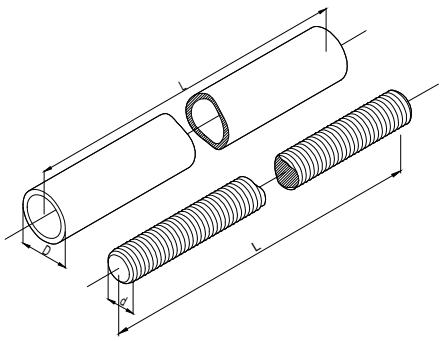


TORX
ISO 2768-f

	d	afm. dimen. L	dimen. Masse k	D
053.5460.--	6.3	19	3.95	10
053.5461.--	6.3	22	3.95	10
053.5462.--	6.3	25	3.95	10
053.5463.--	6.3	28	3.95	10
053.5464.--	6.3	31	3.95	10
053.5465.--	6.3	34	3.95	10
053.5466.--	6.3	37	3.95	10
053.5467.--	6.3	40	3.95	10
053.5468.--	6.3	43	3.95	10
053.5469.--	6.3	46	3.95	10
053.5470.--	6.3	49	3.95	10
053.5471.--	6.3	52	3.95	10
053.5472.--	6.3	55	3.95	10
053.5473.--	6.3	58	3.95	10
053.5474.--	6.3	61	3.95	10
053.5475.--	6.3	64	3.95	10
053.5476.--	6.3	67	3.95	10
053.5477.--	6.3	70	3.95	10
053.5478.--	6.3	73	3.95	10
053.5479.--	6.3	76	3.95	10
053.5481.--	6.3	79	3.95	10
053.5482.--	6.3	82	3.95	10
053.5483.--	6.3	85	3.95	10
053.5484.--	6.3	88	3.95	10
053.5485.--	6.3	91	3.95	10
053.5480.--	6.3	109	3.95	10

		d	afm. dimen. L	dimen. Masse k	D
 DIN 934 ISO 4032	050.5400.--	M4	3.2		7
	050.5396.--	M5	4		8
	050.5395.--	M6	5		10
	050.5392.--	M8	5.5		13
	079.5398.--*	M10	8		17
	* UK market				
 DIN 439 ISO 4035	050.5401.--	M10	5		17
 DIN 985 ISO 10511	050.5407.--	M6	6		10
	050.5394.--	M8	8		13
	050.5403.--	M10	10		17
	050.5393.--	M12	12		19
	ZESKANTMOER ZELFBORGEND ECROU HEXAGONALE AUTOBLOQUANTE HEXAGON NUT SELF-LOCKING SECHSKANTMUTTER SELBSTSICHEREND				
 DIN 1587	067.5200.--	M6	12		10
	067.5201.--	M10	18		17
	067.5202.--	M12	22		19
 DIN 6799	054.5451.--*	8	1		16.3
	* used in assembly, sales = no				
	030.5711.--	M6	5		10.1

		d	afm. dimen. L	dimen. Masse k	D
 DIN 562	050.5406.--	M4	2.2		7
	050.5404.--	M5	4		8
 ISO 3506	050.5387.--	M5	7.5		11x19
	050.5386.--	M4	6		9x17
 DIN 125A ISO 7089	054.5455.--	4.3	0.8		9
	054.5458.--	8.4	1.6		16
	067.5205.--	10.5	2		20
	067.5206.--	13	2.5		24
 DIN 127B	054.5450.--	10.2	2.2		18.1
 DIN 6797 J	072.5208.--	6.4			11
 DIN 6797 J	079.5206.--	10.5	0.9		18
	072.5209.--	5			14

		d	afm. dimen. L	dimen. Masse k	D
	058.5950.--*	3	24		
	058.5943.--	3	40		
	065.6507.--	3.5	6		
	073.6517.--	3.5	12		
	058.5945.--	4.3	50		
	058.5944.--	4.4	26		
	058.5941.--	5	20		
DIN 1481 ISO 8752	* used in assembly, sales = no				
	079.5212.--	M6	75		
	079.5211.--	M6	75		
	050.5210.--	M6	1000		
	050.5214.--	M8	2000		
	050.5221.--*	M10	45		
	050.5220.--	M10	1000		
	050.5215.--	M10	2000		
	079.5222.--	M10	3000		
	050.5216.--	M12	3000		
DIN 975	* used in assembly, sales = no				
	071.6350.XX	M10	3000		15.9

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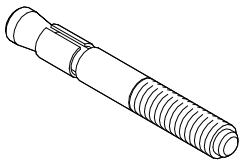
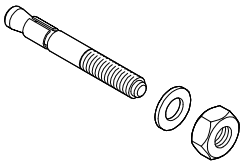
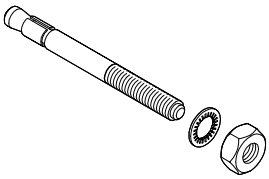
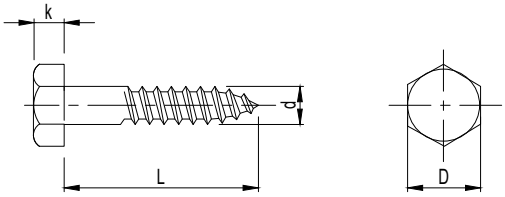
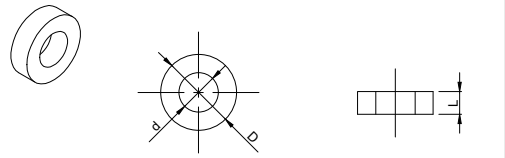
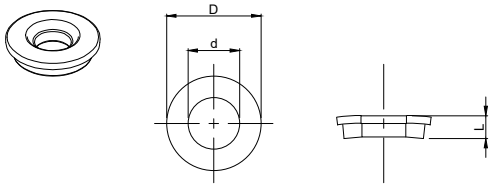
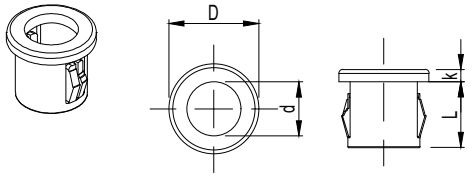
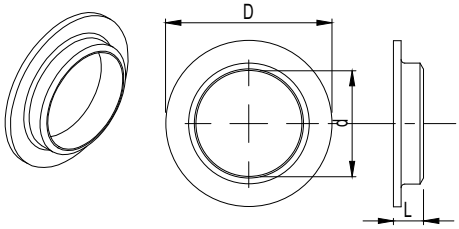
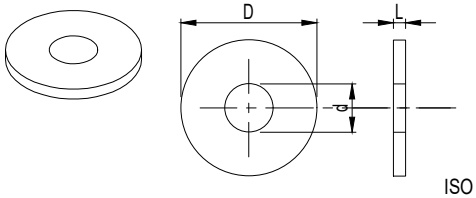
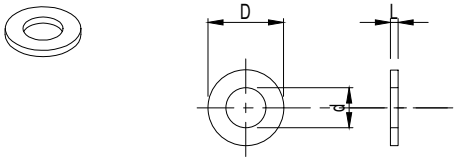
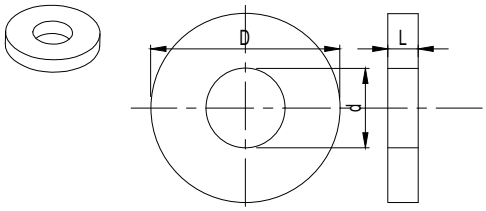
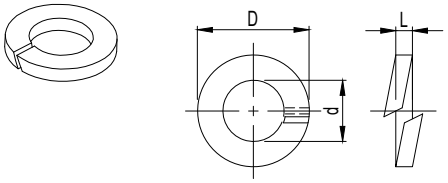
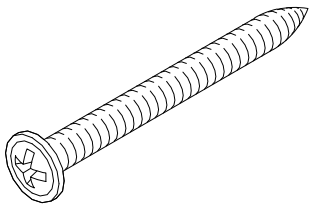
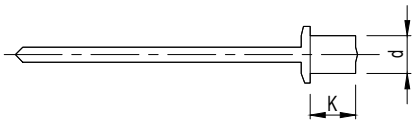
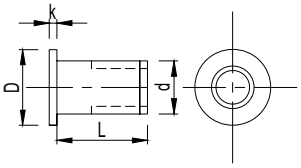
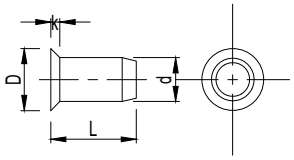
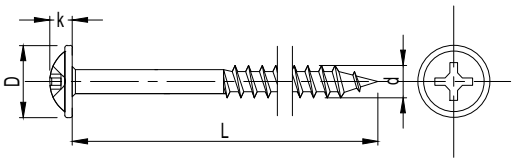
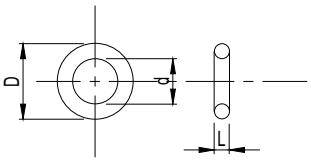
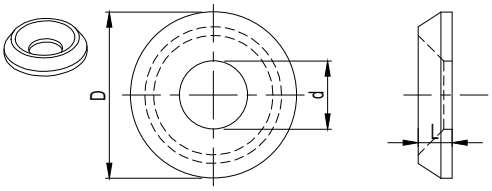
		d	afm. dimen. L	dimen. Masse k	D
	054.5475.--	10	80		
	054.5480.--	10	95		
	054.5469.--	12	110		
 DIN 571	0FR.9884.-- 0FR.9883.--	6 6	80 90	4 4	10 10

		d	afm. dimen. L	dimen. Masse k	D
	054.5452.01	5.2	3		10
	054.5440.-- 073.5204.--	6.8 6.6	3 4		12.5 19
	073.5222.04	7.1	8.7	1.6	11.9
	073.5221.07	14	4		22
 ISO 9021	067.5216.--	6.4	1.4		18
 DIN 125/2	067.5203.--	5.3	1		10
 DIN 7349	054.5465.--	10.5	4		25
 DIN 127B	054.5464.--	8.1	2		14.8

		d	afm. dimen. L	dimen. Masse k	D
	052.5303.--	5	50		
	055.5631.-- 055.5620.-- 055.5640.-- 055.5650.-- 055.5660.--	3 4 4 4 4		8 6 8 10 15	
 ISO 2760-m	057.5710.-- ALU. 057.5717.-- INOX 057.5720.-- ALU.	M5 M5 M6	12 12 14		
	057.5709.-- ALU. 057.5711.-- ALU. 057.5713.-- (200 pc) INOX 057.5714.-- INOX 057.5721.-- ALU. 057.5722.-- 057.5715.--	M4 M5 M5 M5 M6 M6 M5	11.5 12 13.7 11.6 15 15.5 11.6		
	052.5319.--	4.2	65	2.95	9.5
	054.5454.04 073.8206.04	5 6	1.5 2		8 10
	073.5209.--	9	4.5		22

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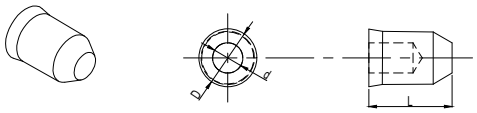
		d	afm. dimen. L	dimen. Masse k	D
	068.5932.--	4	11		7
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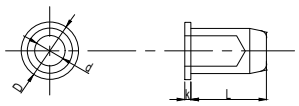
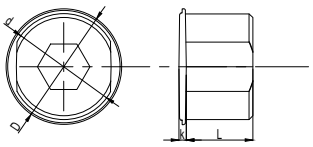
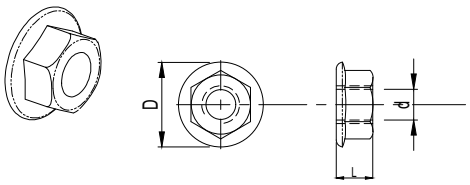
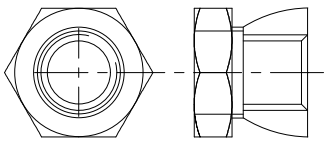
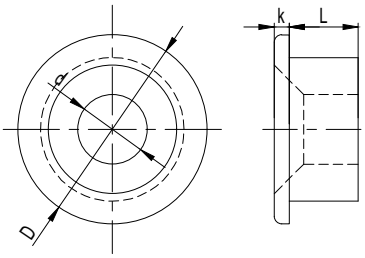
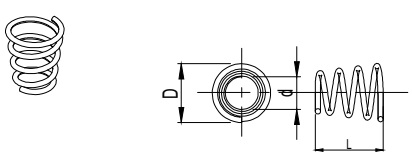
	068.5934.00	5	10.8	0.8	7.6
	062.8188.--	15.3	8.8	1	7.6
	024.5042.--	M5	4.85		11.2
	030.5710.--	M10	15		17
	073.5211.--* AFSTANDSBUS PIECE DE DISTANCE DISTANCE BUSH DISTANZBUCHSE	9.2	2	9.1	25
	054.5500.--	4.3	9		7.77

* used with a screw 050.5075.-- (x1)

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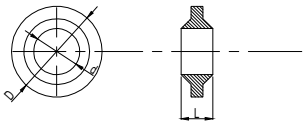
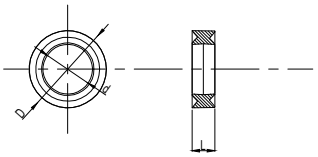
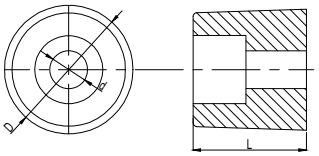
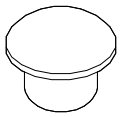
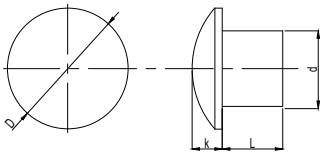
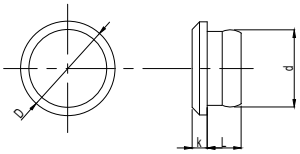
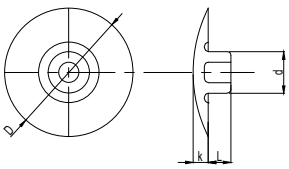
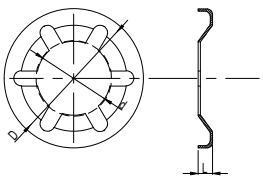
		d	afm. dimen. L	dimen. Masse k	D
 DIN 16901	073.8201.01	6.1	4.2		12
 DIN 16901	073.8202.01 BORGING 6.55/10 RONDELLE DE BLOCAGE 6.55/10 SAFETY RING 6.55/10 SICHERINGSRING 6.55/10	6.55	3		10.2
	062.6744.04	5	15		16
 	065.6550.01 STOP 10MM BOUCHE-TROU 10MM VERSCHLUSSKAPPE 10MM PLUG 10MM	10	8	4	16
	065.6555.04 STOP 10MM BOUCHE-TROU 10MM VERSCHLUSSKAPPE 10MM PLUG 10MM	10	4.5	2	12.3
	071.5440.SY AFDEKKAP Ø17MM CAPUCHON Ø17MM FACE CAP Ø17MM ABDECKKAPPE Ø17MM	5.5	3	2	17
	073.5207.-- 073.5208.-- SNELBORGER ZONDER KAP RONDELLE ELAST. DENTS ESPACEES TOOTHED LOCK WASHER ZAHNSCHEIBEN INNENGEZAHNT	10 8	1.9 1.47		18.4 15.4

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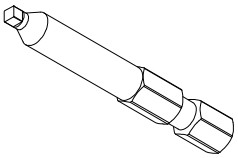
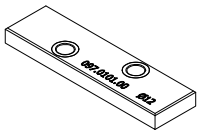
024.0702.--



BIT SR2
EMBOUT SR2
ADAPTATOR SR2
BIT SR2
ADAPTADOR SR2
ADAPTER SR2

CP 68
CP 68-AP
IndusPatio 68
SlimPatio 68
XS 68

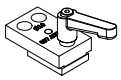
097.0101.00



BOORMAL
GABARIT DE PERCAGE
BORING JIG
BOHRLEHRE
PLANTILLA
SZABLON

CP 68
SlimPatio 68

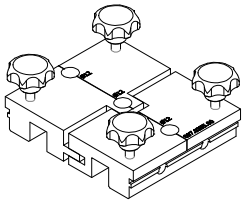
097.0334.00



BOORMAL T-VERBINDING
CALIBRE RACCORDEMENT-T
BORING JIG T-CONNECTION
BOHRLEHRE T-VERBINDUNG
UTIL TOPE DE UNION
SZABLON DO POLACZEN TEOWYCH

SlimPatio 68

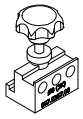
097.0355.00



BOORMAL ONTWATERING
CALIBRE DE PERCAGE DRAINAGE
BORING JIG DRAINAGE
BOHRLEHRE ENTWAESSERUNG
UTIL PARA DRENAJE
SZABLON DO DRENAZY

SlimPatio 68

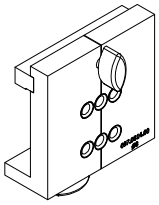
097.0357.00



BOORMAL ONTWATERING
CALIBRE DE PERCAGE DRAINAGE
BORING JIG DRAINAGE
BOHRLEHRE ENTWAESSERUNG
UTIL PARA DRENAJE
SZABLON DO DRENAZY

SlimPatio 68

G



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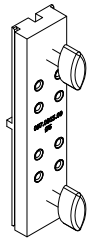
CALIBRE DE PERCAGE DRAINAGE
BORING JIG DRAINAGE
BOHTLEHRE ENTWAESSERUNG
UTIL PARA DRENAJE
SZABLON DO DRENAZY

SlimPatio 68
013.6321.XX



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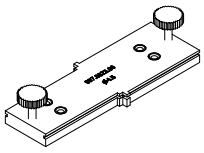
BOORMAL SCHROEFVERBINDING
CALIBRE DE PERCAGE JONCTION A VISSER
BORING JIG SCREW CONNECTION
BOHRLEHRE VERSCHRAUBUNG
UTIL UNION DE ATORNILLAR
SZABLON DO POLACZEN SKRECANYCH

SlimPatio 68
013.6322.XX

097.0816.00

BOORMAL SCHROEFVERBINDING
CALIBRE DE PERCAGE JONCTION A VISSER
BORING JIG SCREW CONNECTION
BOHRLEHRE VERSCHRAUBUNG
UTIL UNION DE ATORNILLAR
SZABLON DO POLACZEN SKRECANYCH

SlimPatio 68



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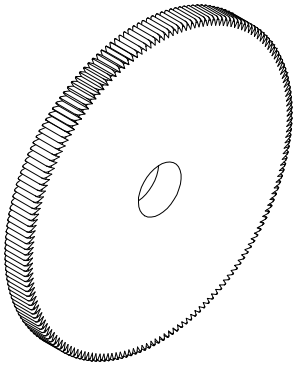
CALIBRE DE PERCAGE JONCTION A VISSER
BORING JIG SCREW CONNECTION
BOHRLEHRE VERSCHRAUBUNG
UTIL UNION DE ATORNILLAR
SZABLON DO POLACZEN SKRECANYCH

SlimPatio 68



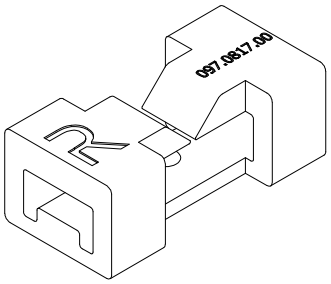
095.B131.00

FREES
FRAISE
MILLING HEAD
FRAESE
FRESADO
FREZ

SlimPatio 68

G

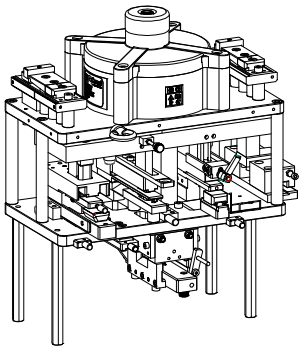
097.0817.00



SNIJMAL
GABARIT A COUPER
CUTTING JIG
SCHNEIDELEHRE
PLANTILLA DE CORTE
SZABLON DO CIECIA

SlimPatio 68

197.D400.00



SlimPatio 68
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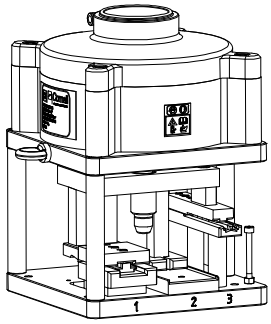
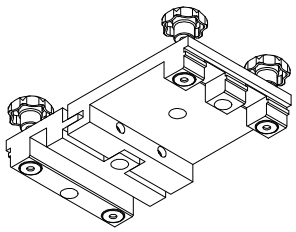
197.D900.00



SlimPatio 68

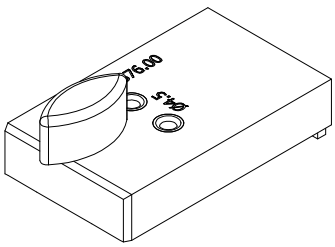
097.0875.00



BOORMAL ONTWATERING
CALIBRE DE PERCAGE DRAINAGE
BORING JIG DRAINAGE
BOHRLEHRE ENTWAESSERUNG
UTIL PARA DRENAJE
SZABLON DO DRENAZY

SlimPatio 68

097.0876.00



BOORMAL SCHROEFVERBINDING
CALIBRE DE PERCAGE JONCTION A VISSER
BORING JIG SCREW CONNECTION
BOHRLEHRE VERSCHRAUBUNG
UTIL UNION DE ATORNILLAR
SZABLON DO POLACZEN SKRECANYCH

SlimPatio 68

G

Together
for better