

PALLAZZO®

MOUNTING GUIDE

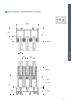
INVIGO PRO SLIDING SYSTEM



➤ MANUAL REVISION

REVISION	DESCRIPTION	PAGE
04.08.2025	Invigo pro 2 rail added; N17007 + N17008 + N17901 + V59218 added	Several pages
21.02.2025	Height glass -3mm	Several pages
23.05.2023	V05008 removed, A-GS-501 added V10003 removed, A-00-121 added	Several pages
16.11.2018	First Issue	Complete manual

➤ INDEX / INHOUD / TABLE DES MATIÈRES

	DESCRIPTION	SECTION
	Specification Specificatie Spécification	PAG. 1.3
	Profile index Profieloverzicht Index profils	PAG. 2.3
	Accessory index Toebehoren Accessoires	PAG. 3.3
	Profile section Profielen Profils	PAG. 5.3
	Typical detail Doorsneden Coupes	PAG. 6.3
	Cutting list Zaagtabel Table de sciage	PAG. 8.3
	Construction Werktekeningen Construction	PAG. 9.3 PAG. 9.11



1 SPECIFICATIES

GENERAL REMARKS

Dimensions and thickness of aluminium profiles shown in this manual are theoretical and may vary according to tolerance provided for in EN 12020-2 standards.

Cutting lists shown in this manual do not take into account these possible variations. We therefore recommend carefully checking aluminum profile dimensions, as well as, the cutting accuracy of all machinery.

The system described in this manual has been designed and tested as a whole. The use of AluK brand is permitted only when original AluK components are used (sections, accessories and gaskets) and only when the technical specifications given in this manual are complied with.

In the event that any component of the system is not an original AluK component, the use of the AluK brand is not authorized.

The product shall be used in accordance with the specifications, regulations and laws in force in the country where the product itself is used. AluK waives all responsibility resulting from non-compliance with the above listed instructions.

Any details provided in this manual representing frames back to the structure are merely shown as an indication to assist designers and manufacturers.

» TECHNICAL DESCRIPTION

SECTIONS

The extruded aluminium profiles are made from homogenised billets, with limited composition tolerances, suitable for anodising or painting.

All extruded aluminium sections are supplied at physical state 6060 alloy T66.

Dimension tolerances are in compliance with EN 12020-2.

GASKETS

Gaskets are made of EPDM (ethylene + propylene elastomer).

ACCESSORIES

Patented AluK accessories of the highest quality are expressly designed by AluK to offer the utmost reliability and safety.

GLAZING

The choice of glazing is purely the responsibility of the fabricator/installer through compliance with legislation and glass manufactures recommendations.

SYSTEM DESIGN TOLERANCES

To ensure all products are manufactured in accordance with the fabrication manual, please follow guidelines laid out below:

- a. Manufacturing tolerances shall be within +/- 1.5 (cutting tolerance of +/- 0.5mm and assembly tolerance of +/-1.0mm).
- b. Installation Tolerance to be +/-2mm i.e. the difference between the diagonals of the assembled frame shall be not greater than above.

» SURFACE TREATMENTS

ANODISING

The anodising process is performed in compliance with Technical Directives of European quality mark QUALANOD.

The minimum compulsory oxide layer thickness is 15 microns for external architectural use, can be increased to major classes (20 or 25 microns), according to customer's requirements and/or national laws in the place of destination.

PAINTING

Painting is done with powders and colour can be chosen from the RAL range of colours, from our colour palette and/or based on customer's requirement.

The minimum compulsory paint layer thickness shall be at least 60 micron for external architectural use.

The whole sections painting cycle is carried in full compliance of quality standard QUALICOAT.

» VALIDITY

VALIDITY

The guarantee is only valid when the following conditions are met. If any one of these conditions is not met, any right to the guarantee lapses. It is the person who is claiming the guarantee who must prove that all guarantee conditions have been met.

A. The aluminium constructions have been carried out in accordance with the applicable rules of goodworkmanship and in conformity with the indications in the AluK catalogues and the processing and maintenance instructions.

B. The protection requirements have been observed, with particular attention to the following points:

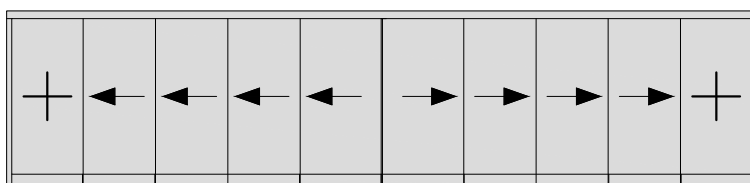
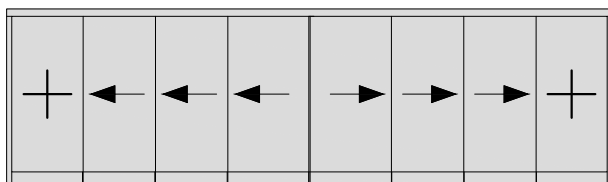
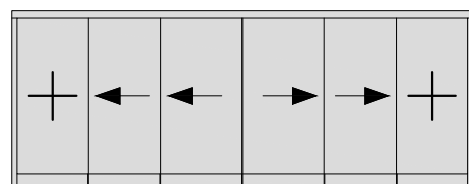
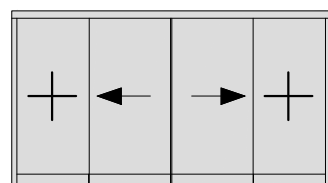
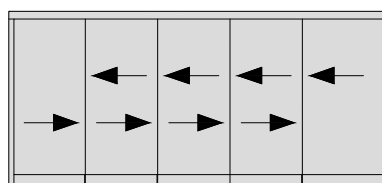
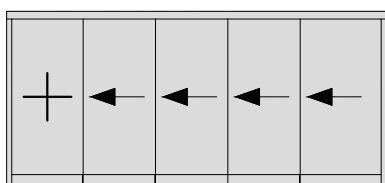
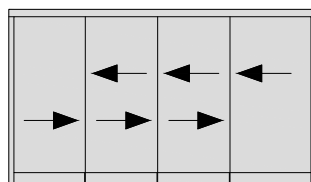
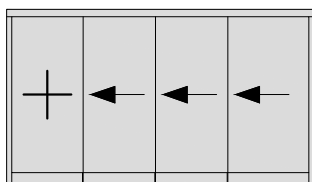
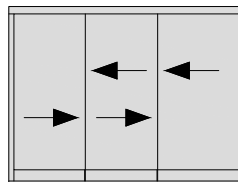
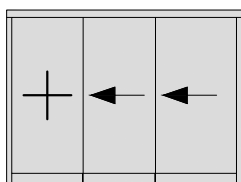
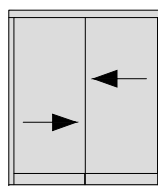
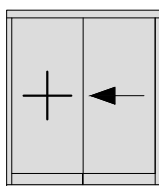
- After cutting and processing the profiles, all blank surfaces must be stripped of burrs and oils/greases and must be treated with an anti-corrosion product;
- The aluminium constructions and components must be systematically and adequately protected during transport and installation.

C. The aluminium constructions are regularly subjected to proper maintenance using non-aggressive cleaning agents in accordance with the AluK maintenance instructions.

D. Risk areas: when using aluminium constructions in an aggressive environment, you must follow the guidelines of the FAC or the VMRG quality requirements regarding paint/lacquer application.

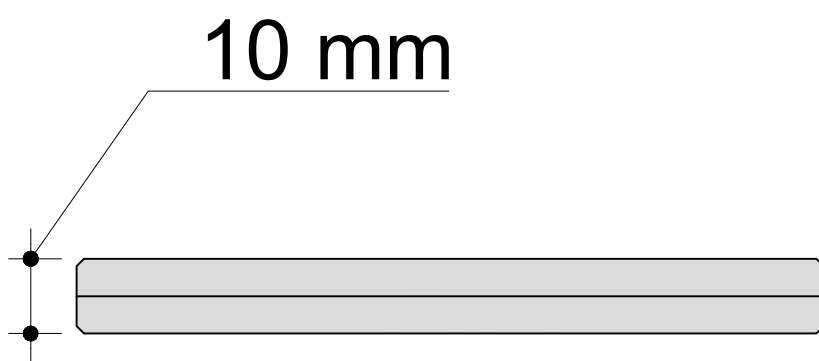
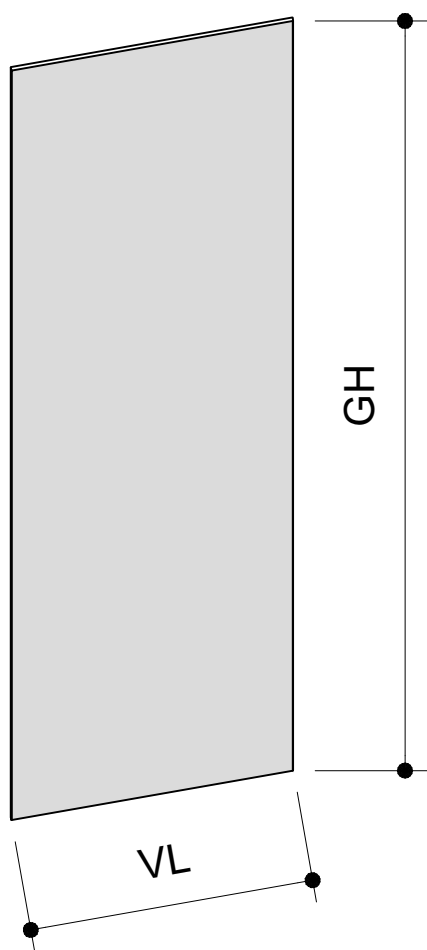
E. Defects for which this guarantee is invoked must be reported in writing to AluK no later than one week after they have been established, stating the window manufacturer/installer.

► CONFIGURATION

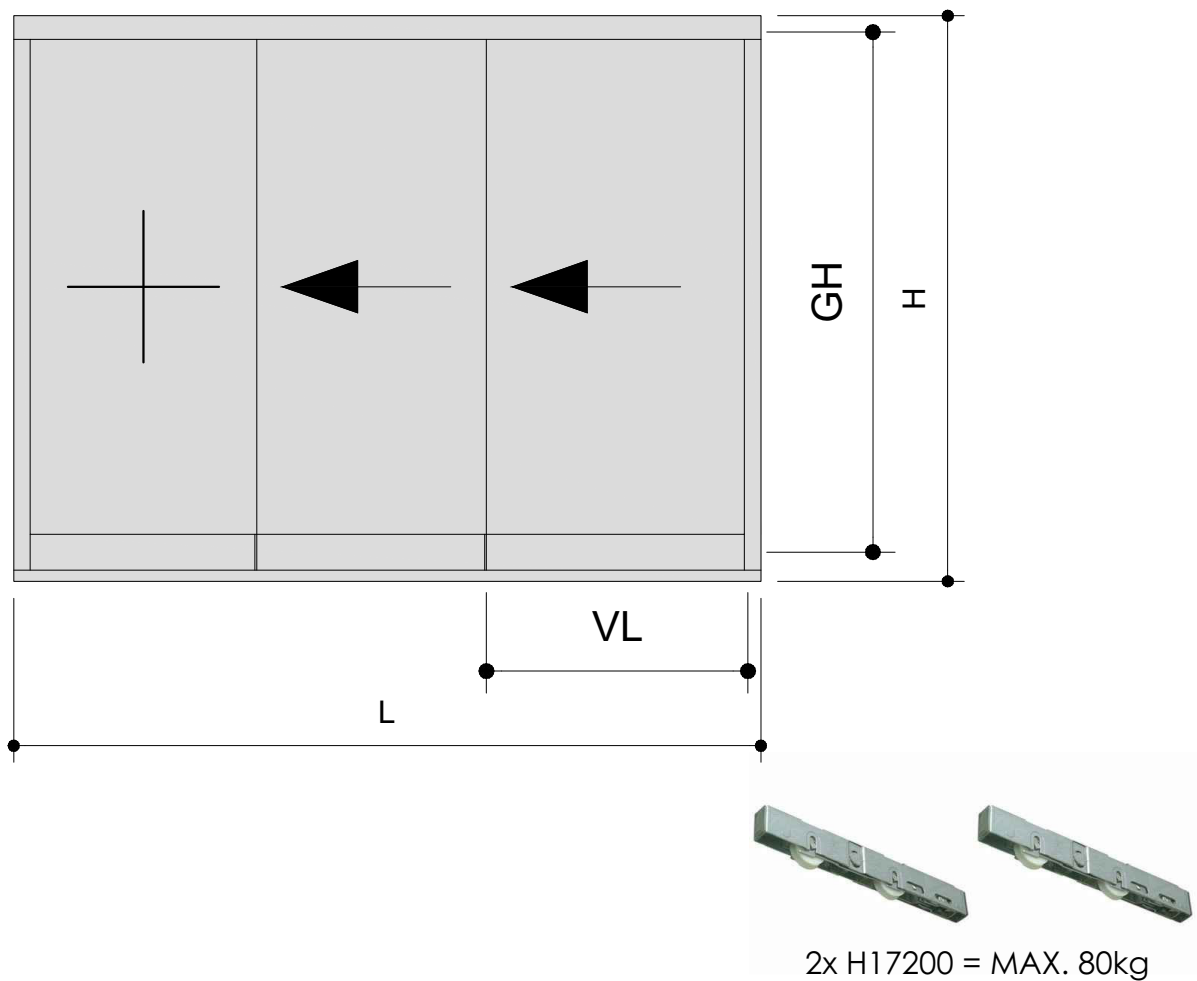


configuration_20250630

▶ GLAZING THICKNESS RANGE



WEIGHT / SIZE LIMITS



GH	MIN. VL	MAX. VL
1000	450	2000
1250	450	2000
1500	500	2000
1750	600	1830
2000	670	1600
2250	670	1420
2400	750	1330
2600	750	1230

breedtehoogteverhouding

» WARRANTIES & LEGAL RESTRICTION

WARRANTIES

AluK S.A. (hereinafter "AluK") warrants that its systems meet the required technical characteristics.

Additional warranties may apply under certain conditions.

LEGAL RESTRICTION

All drawings and information in this technical manual are indicative and cannot engage our responsibility.

The AluK policy of continuous improvement determines the right to make the modifications without prior warning.

AluK cannot be held responsible for possible misprints or other technical errors in this manual. This technical manual cannot lead to any legal action whatsoever.

All mentioned model, profiles, accessories and related items (including its intellectual property rights) designed and or conceived by AluK are the exclusive intellectual property of AluK.

They may only be used for the purpose to which have been supplied and must not be reproduced, stored or disseminated to third parties in any way or form without the prior written permission of AluK.

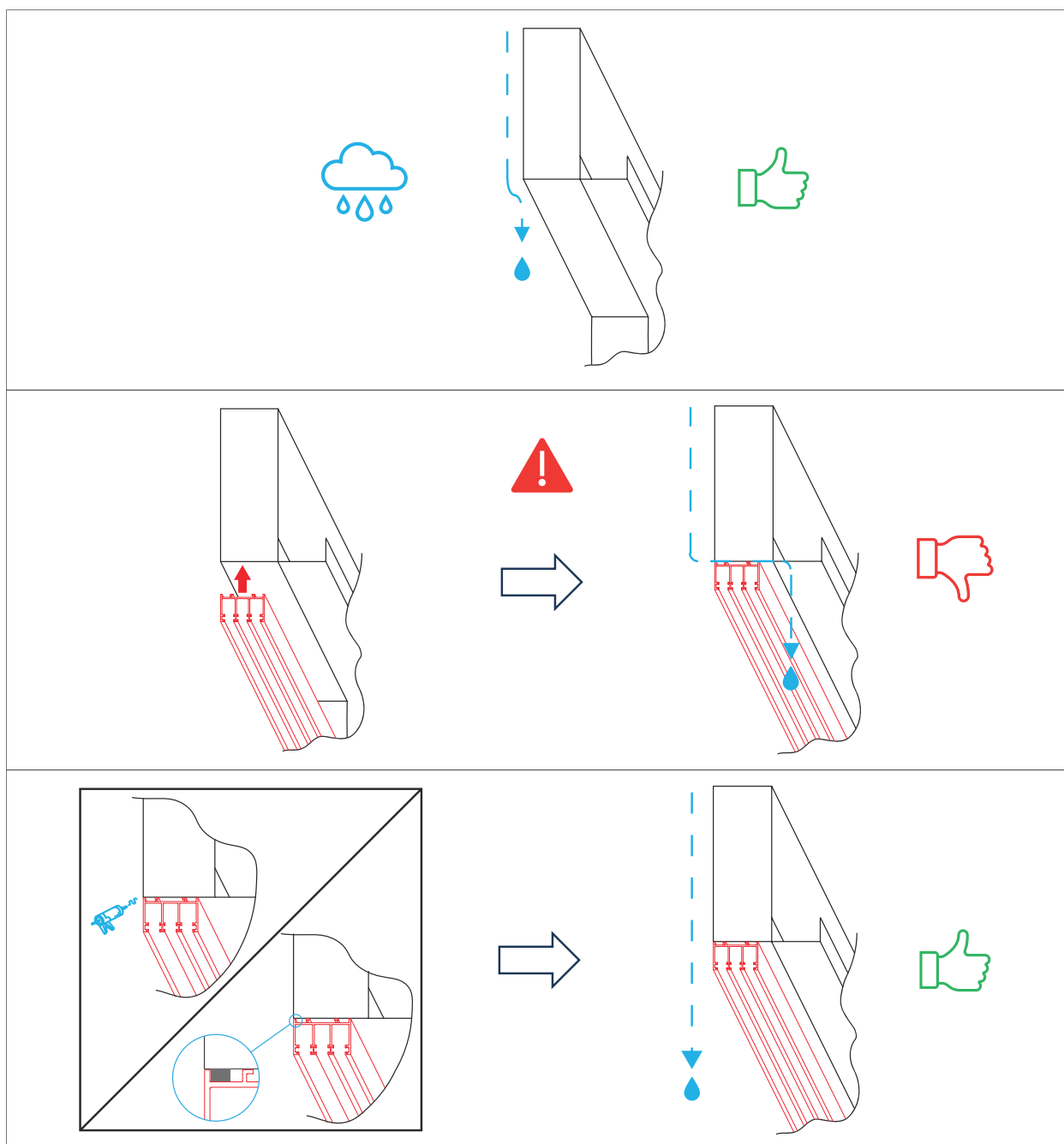
WARNING

DESCRIPTION

If an additional profile is mounted under the ring beam (sliding door guide, screen, etc.), water can seep between this profile and the ring beam. Prevent this by using sealant or a sealing tape on the outside of the roof.

Als er een extra profiel onder de ringbalk wordt gemonteerd (schuifdeurgeleider, screen, enz.), kan er water tussen dit profiel en de ringbalk sijpelen. Voorkom dit door kit of een afdichtingsband aan de buitenkant van het dak te gebruiken.

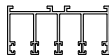
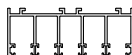
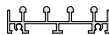
Si un profilé supplémentaire est monté sous la poutre annulaire (guide de porte coulissante, moustiquaire, etc.), de l'eau peut s'infiltrer entre ce profilé et la poutre annulaire. Évitez cela en utilisant du mastic ou un ruban d'étanchéité sur l'extérieur du toit.







2 PROFILE INDEX

	CODE	DESCRIPTION
	N17000	Fixed frame 3-parts upper Bovenkozijn 3-delig Dormant 3-parties sup
	N17001	Fixed frame 4-parts upper Bovenkozijn 4-delig Dormant 4-parties sup
	N17002	Fixed frame 5-parts Bovenkozijn 5-delig Dormant 5-parties sup
	N17003	Fixed frame 3-parts lower Onderkozijn 3-delig Dormant 3-parties inf
	N17004	Fixed frame 4-parts lower Onderkozijn 4-delig Dormant 4-parties inf

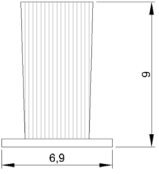
	CODE	DESCRIPTION
	N17005	Fixed frame 5-parts lower Onderkozijn 5-delig Dormant 5-parties inf
	N17006	Fixed frame side Zijkozijn Dormant côté
	N17007	Fixed frame 2-parts upper Bovenkozijn 2-delig Dormant 2-parties sup
	N17008	Fixed frame 2-parts lower Onderkozijn 2-delig Dormant 2-parties inf
	N17160	Sash Vleugel Ouvrant

➤ PROFILE / PROFIELEN / PROFILS

	CODE	DESCRIPTION
	N17901	Brush supporting profile Borstelhouder Porte brosse



2 TOEBEHOREN

IMAGE	CODE	DESCRIPTION	FINISH
	A-00-121	Brush Borstel Joint brosse	Gray
	A-GS-501	Frame gasket Afdichting buitenkader Joint pour dormant	EPDM
	H17100	Handle Deurgreep Béquille	
	H17200	Bogie Loopwagen Chariot	
	H17400	Lock & lockplate Slot & slotplaat Serrure & gache	
	H17401	Lockplate central Slotplaat vierslag Gache centrale	

➤ ACCESSORY / TOEBEHOREN / ACCESSOIRES

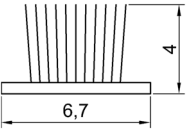
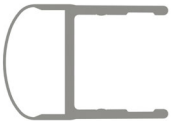
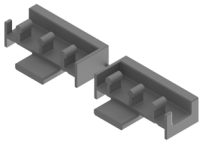
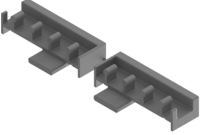
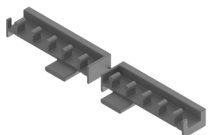
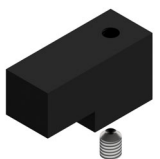
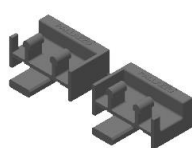
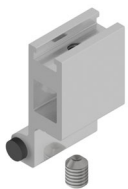
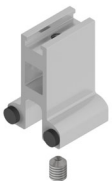
IMAGE	CODE	DESCRIPTION	FINISH
	V04020	Glazing gasket Glasrubber Joint de vitrage	
	V10011	Brush 4mm Borstel 4mm Brosse 4mm	
	V31913	Wheaterstrip 6 / 8 10 Tochtprofiel 6 / 8 / 10 Coup-froid 6 / 8 10 L = 2,5 m	
	V31914	Wheaterstrip chicane Option Tochtprofiel chicane Optie Coup-froid chicane Option L = 3 m	
	V59064	End cap 3-rail Eindstuk 3-rail Pièce laterale 3-rail	
	V59065	End cap 4-rail Eindstuk 4-rail Pièce laterale 4-rail	

IMAGE	CODE	DESCRIPTION	FINISH
	V59066	End cap 5-rail Eindstuk 5-rail Pièce laterale 5-rail	
	V59068	Sash stop Vleugelstop Vantail stop	
	V59218	End cap 2-rail Eindstuk 2-rail Embout 2-rail	
	V70091	Screw - 4,2 x 19 Schroef - 4,2 x 19 Vis - 4,2 x 19	
	V70092	Screw - 4,8 x 38 Schroef - 4,8 x 38 Vis - 4,8 x 38	
	V70093	Screw - 4,2 x 6,5 Schroef - 4,2 x 6,5 Vis - 4,2 x 6,5	

➤ ACCESSORY / TOEBEHOREN / ACCESSOIRES

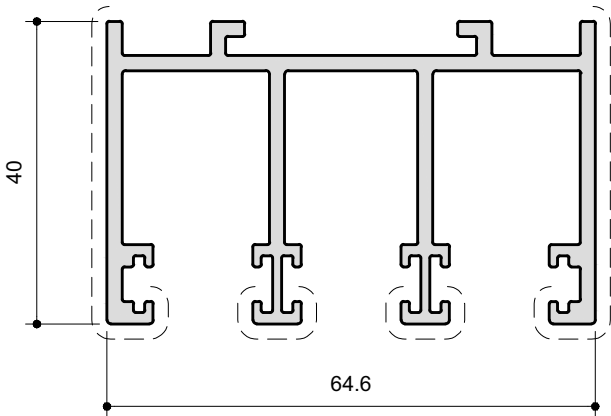
IMAGE	CODE	DESCRIPTION	FINISH
	V72037	Connection block Meenemer Butée	
	V72038B	End piece sash Eindplaat vleugel Embout vantail	
	V72048	Connection block double Meenemer dubbel Butée double	
	A-SE-Select32	Name tag - stainless steel Naamlabel - inox Etiquette de nom - inoxydable	



5 PROFILE SECTION

FIXED FRAME UP / BOVENKOZIJN / DORMANT SUP

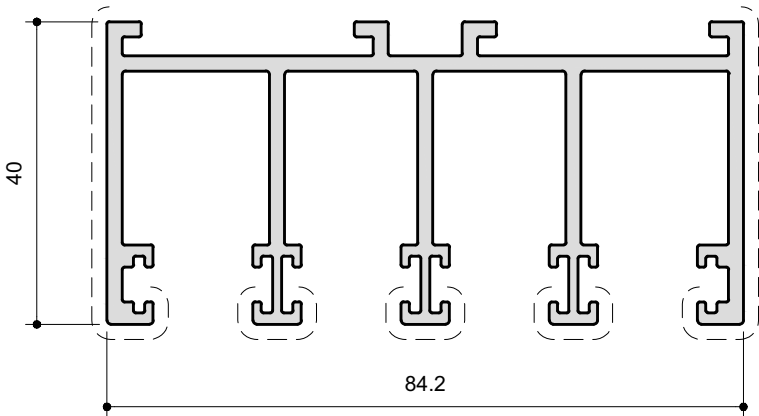
---	Primary surface
-.-.-	Secondary surface



N17000

	80	mm		539,2	mm
I_x	24,9	cm ⁴	W_x	7,71	cm ³
I_y	8,43	cm ⁴	W_y	3,88	cm ³

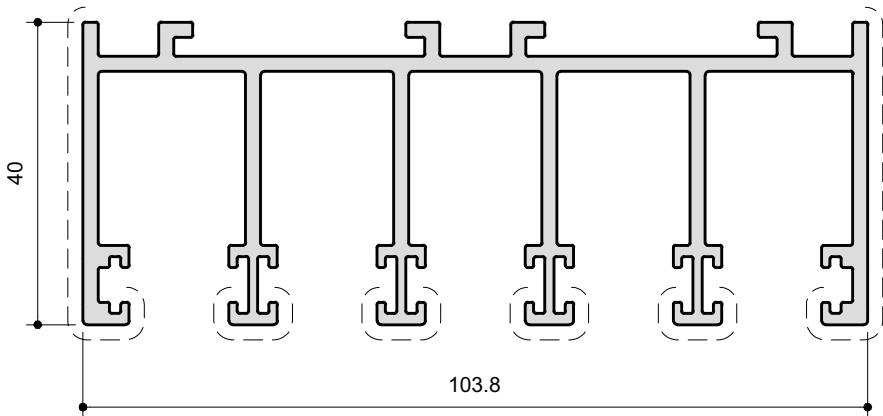
L [m] 7



N17001

	80	mm		682,7	mm
I_x	49,23	cm ⁴	W_x	11,69	cm ³
I_y	10,55	cm ⁴	W_y	4,82	cm ³

L [m] 4,6



N17002

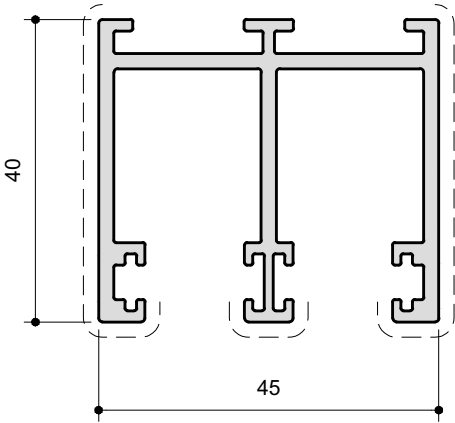
	80	mm		833,3	mm
I_x	87,25	cm ⁴	W_x	16,81	cm ³
I_y	12,83	cm ⁴	W_y	5,79	cm ³

L [m] 6,1



FIXED FRAME UP / BOVENKOZIJN / DORMANT SUP

---	Primary surface
---	Secondary surface



N17007

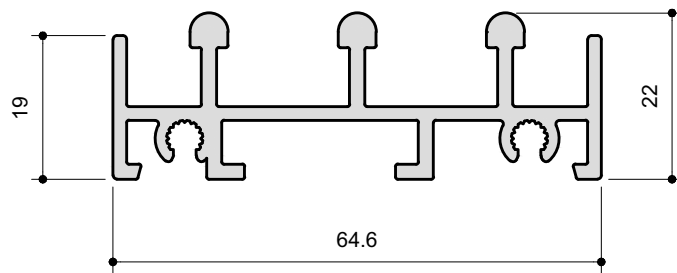
	108,5	mm		406,4	mm
I_x	6,5	cm ⁴	W_x	3,0	cm ³
I_y	10,2	cm ⁴	W_y	4,5	cm ³

L [m] 7



FIXED FRAME LOWER / ONDERKOZIJN / DORMANT INF

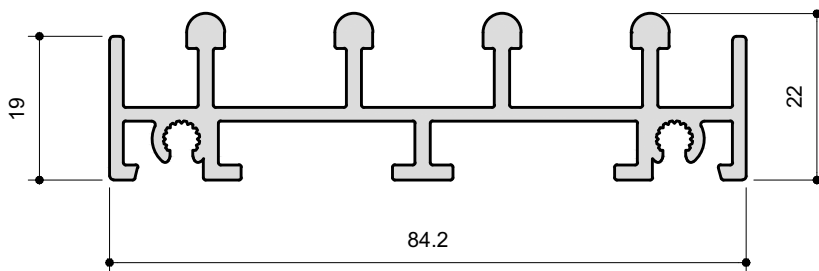
— — — — Primary surface
— Secondary surface



N17003

	40,7	mm		-	mm
I_x	16,25	cm ⁴	W_x	4,97	cm ³
I_y	1,23	cm ⁴	W_y	1,03	cm ³

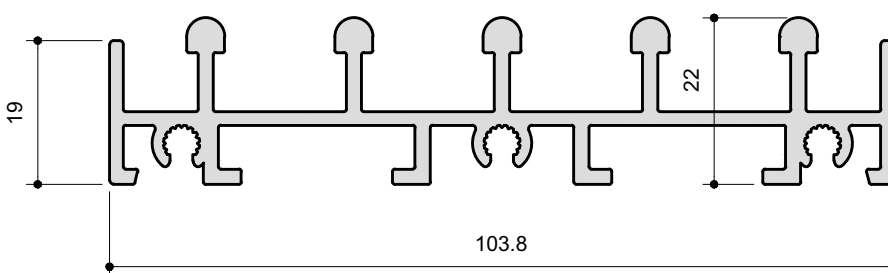
L [m] 7



N17004

	40,7	mm		-	mm
I_x	34,28	cm ⁴	W_x	8,13	cm ³
I_y	1,6	cm ⁴	W_y	1,35	cm ³

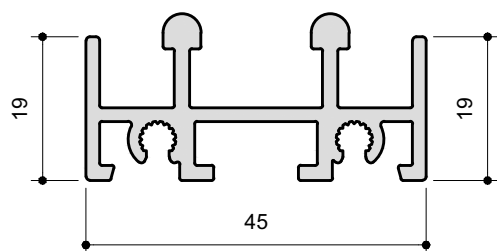
L [m] 4,6



N17005

	40,7	mm		-	mm
I_x	60,85	cm ⁴	W_x	11,72	cm ³
I_y	1,93	cm ⁴	W_y	1,63	cm ³

L [m] 6,1



N17008

	288,5	mm		-	mm
I_x	1,0	cm ⁴	W_x	0,8	cm ³
I_y	6,1	cm ⁴	W_y	2,7	cm ³

L [m] 7

n17_20250618

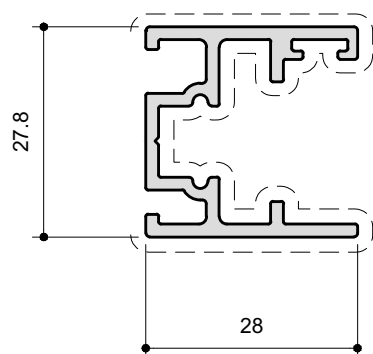


FIXED FRAME / ZIJKOZIJN / DORMANT

SASH / VLEUGEL / OUVRANT

BRUSH SUPPORTING PROFILE / BORSTELHOUDER / PORTE BROSSE

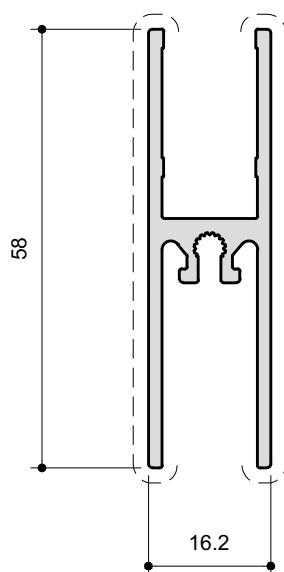
--- Primary surface
- - - Secondary surface



N17006

	69,7	mm		226,7	mm
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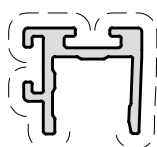
L [m] 5,25



N17160

	123,4	mm		284,7	mm
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L [m] 5



N17901

	39,5	mm		98,6	mm
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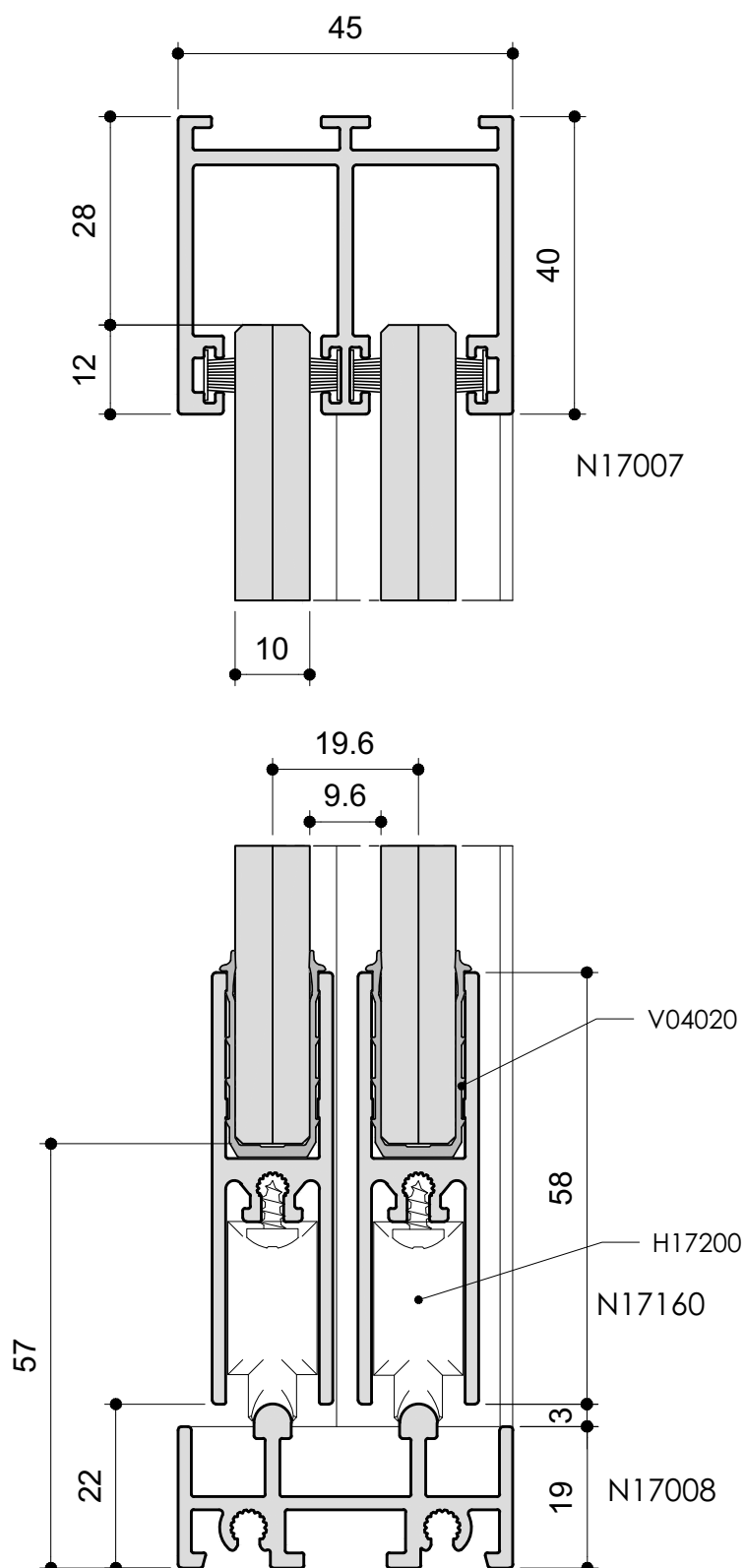
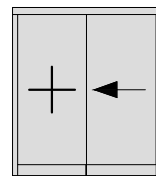
L [m] 5

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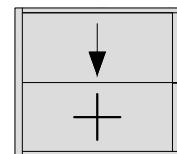
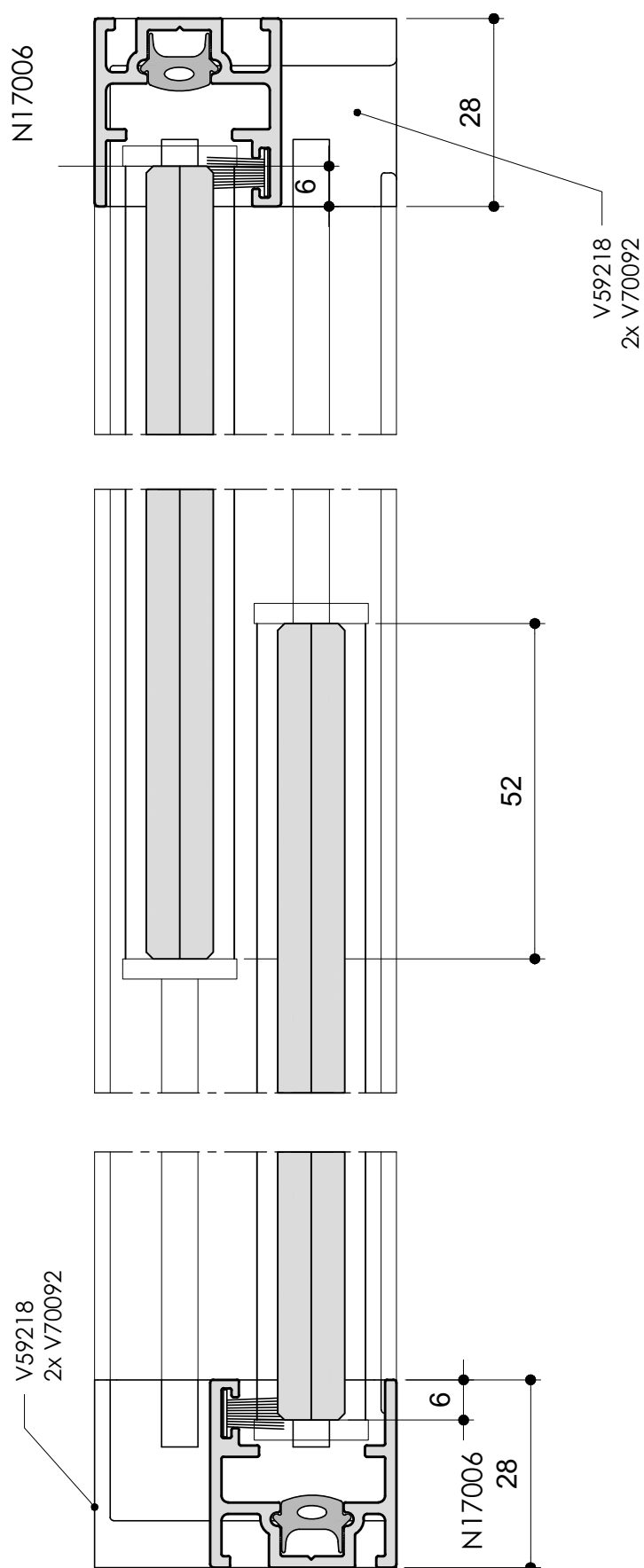




3 WERKTEKENINGEN

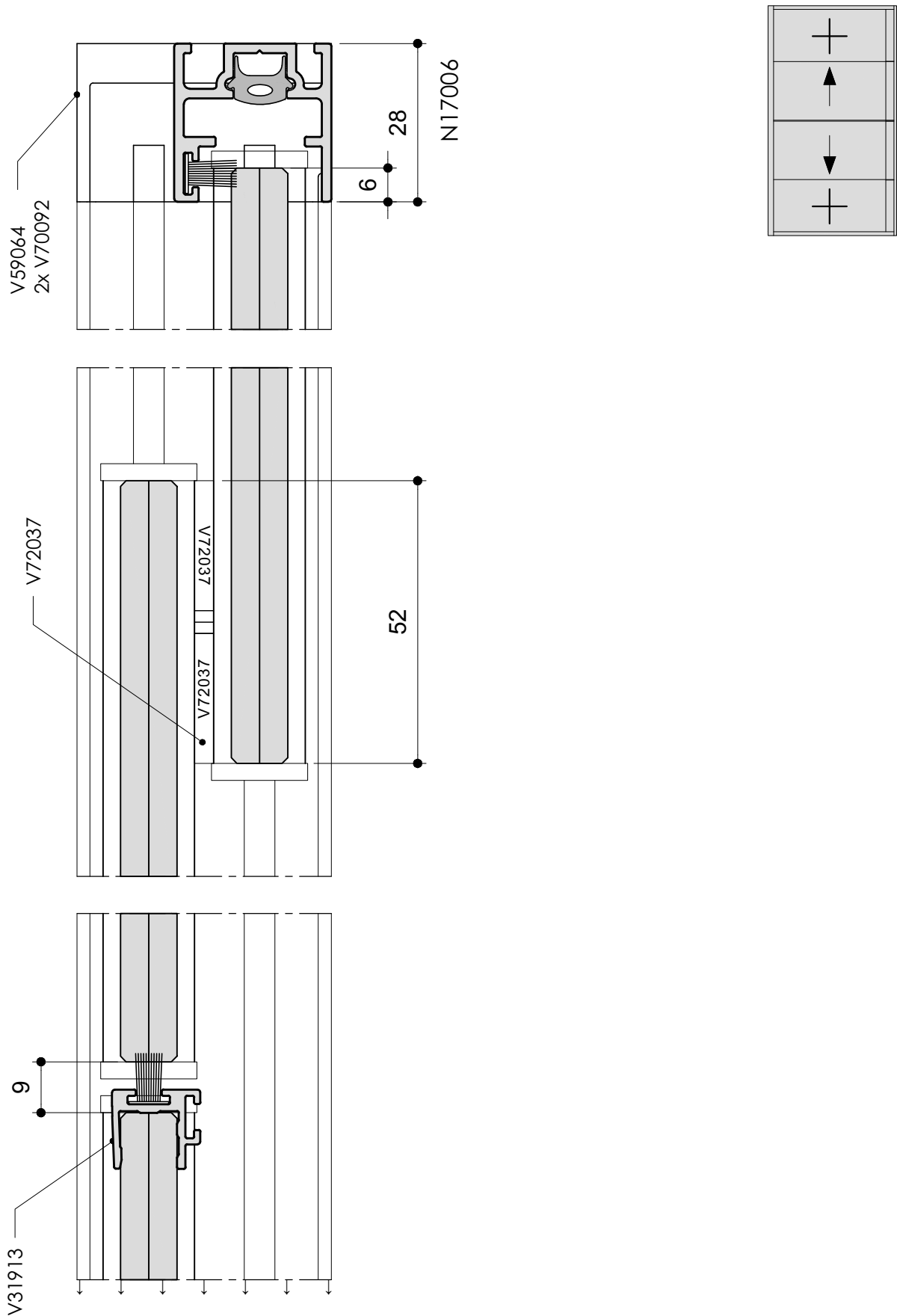


▶ TYPICAL DETAIL / DOORSNEDEN / COUPES

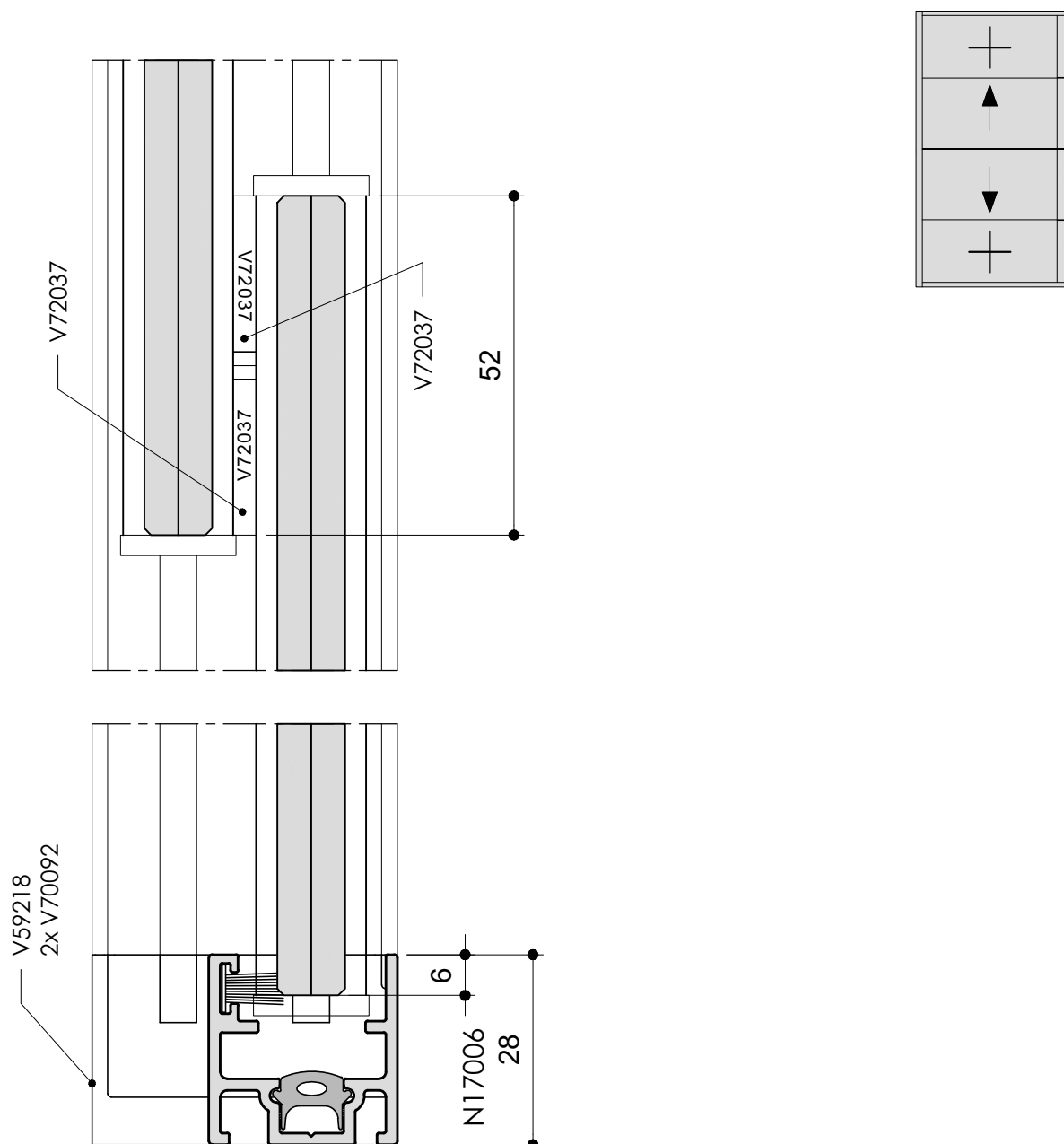


detail s16_20250617

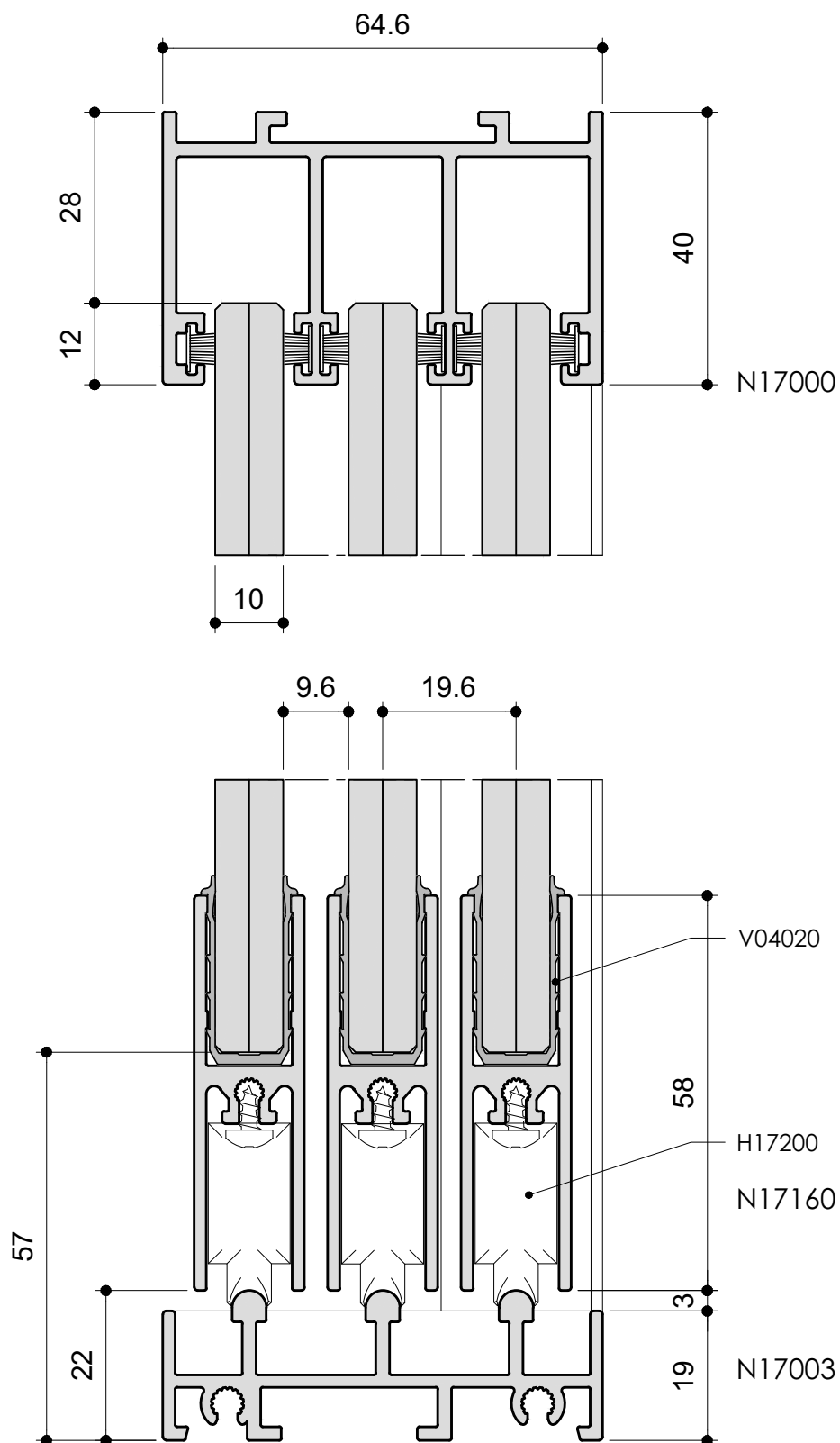
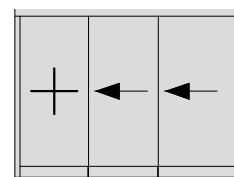
▶ TYPICAL DETAIL / DOORSNEDEN / COUPES



► TYPICAL DETAIL / DOORSNEDEN / COUPES

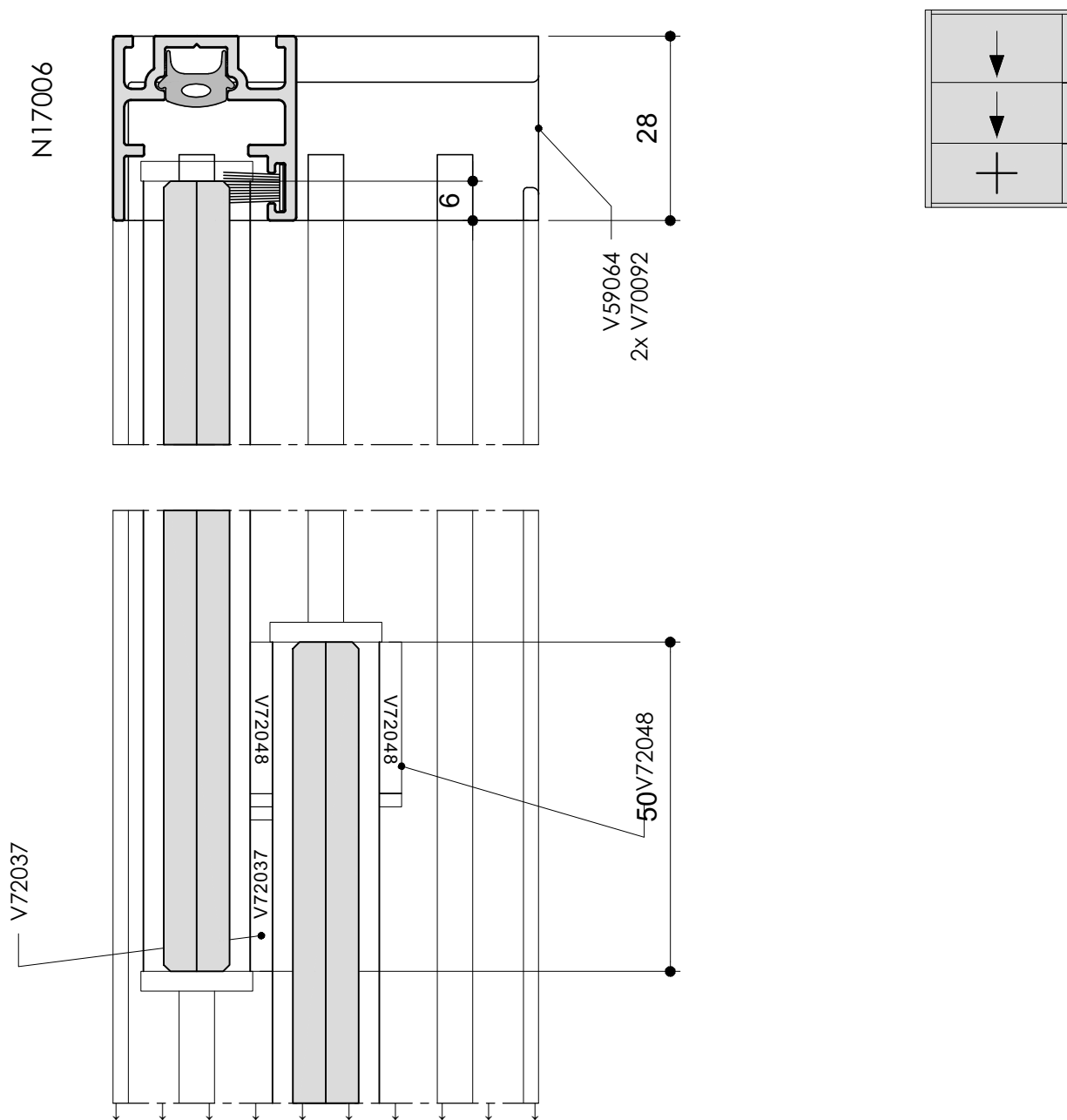


▶ TYPICAL DETAIL / DOORSNEDEN / COUPES



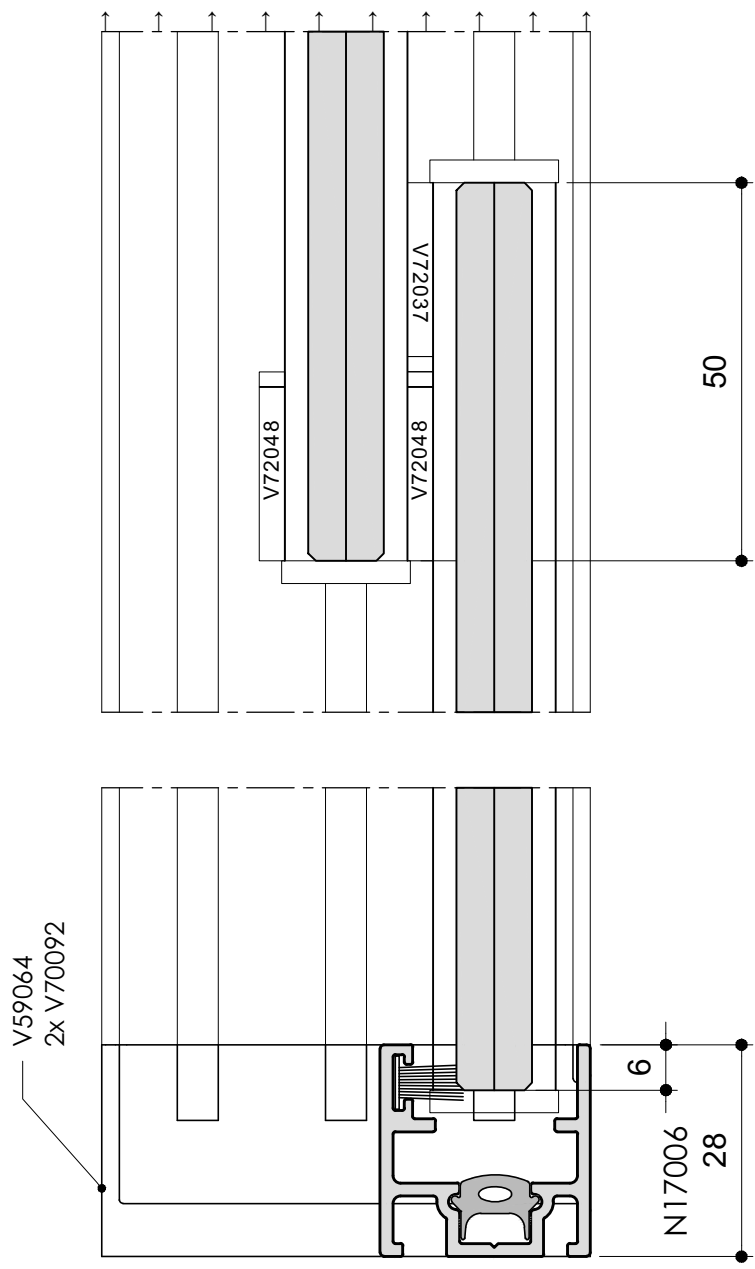
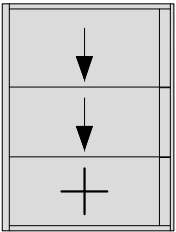
detail s16

► TYPICAL DETAIL / DOORSNEDEN / COUPES



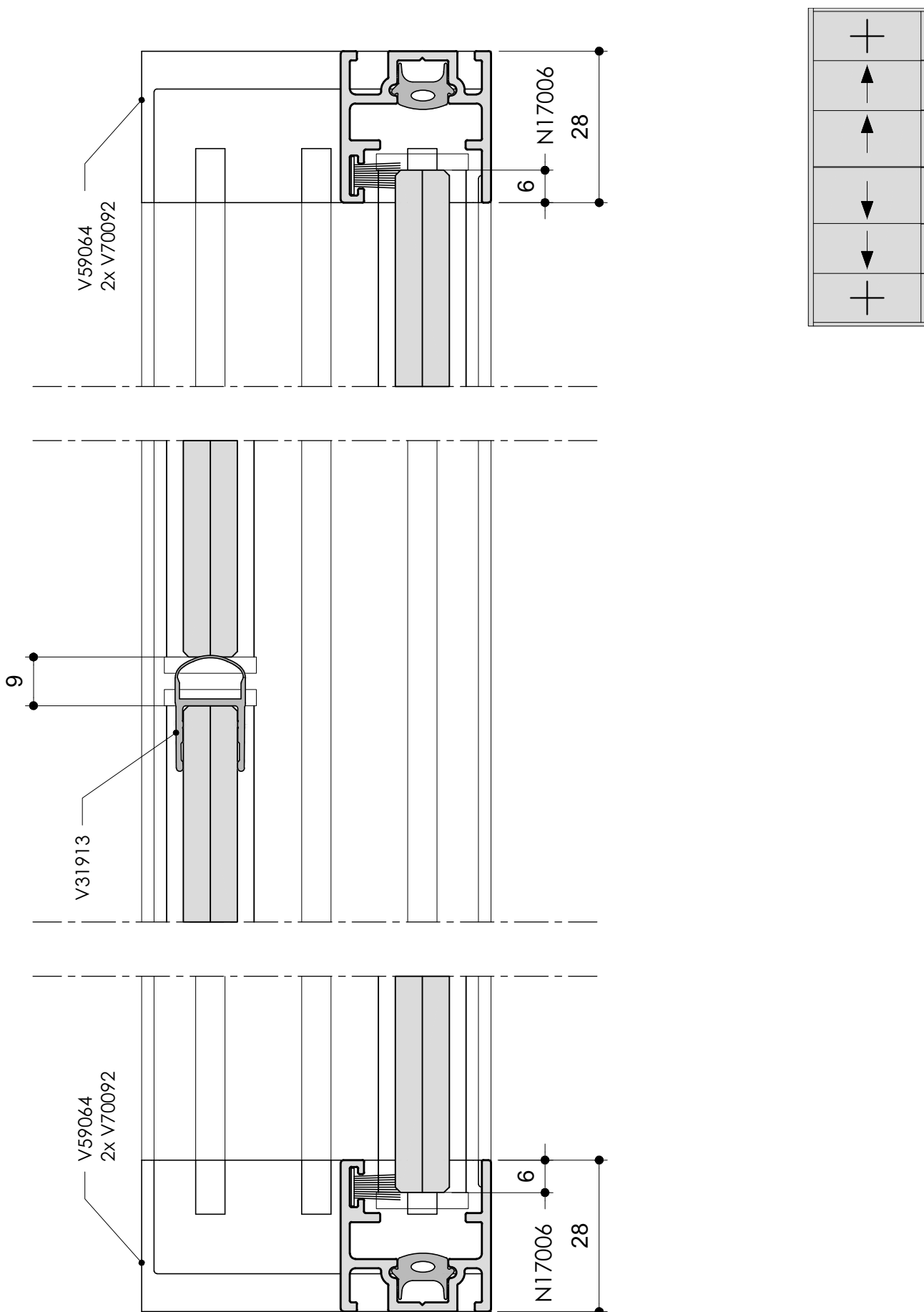
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▶ TYPICAL DETAIL / DOORSNEDEN / COUPES



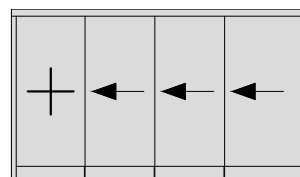
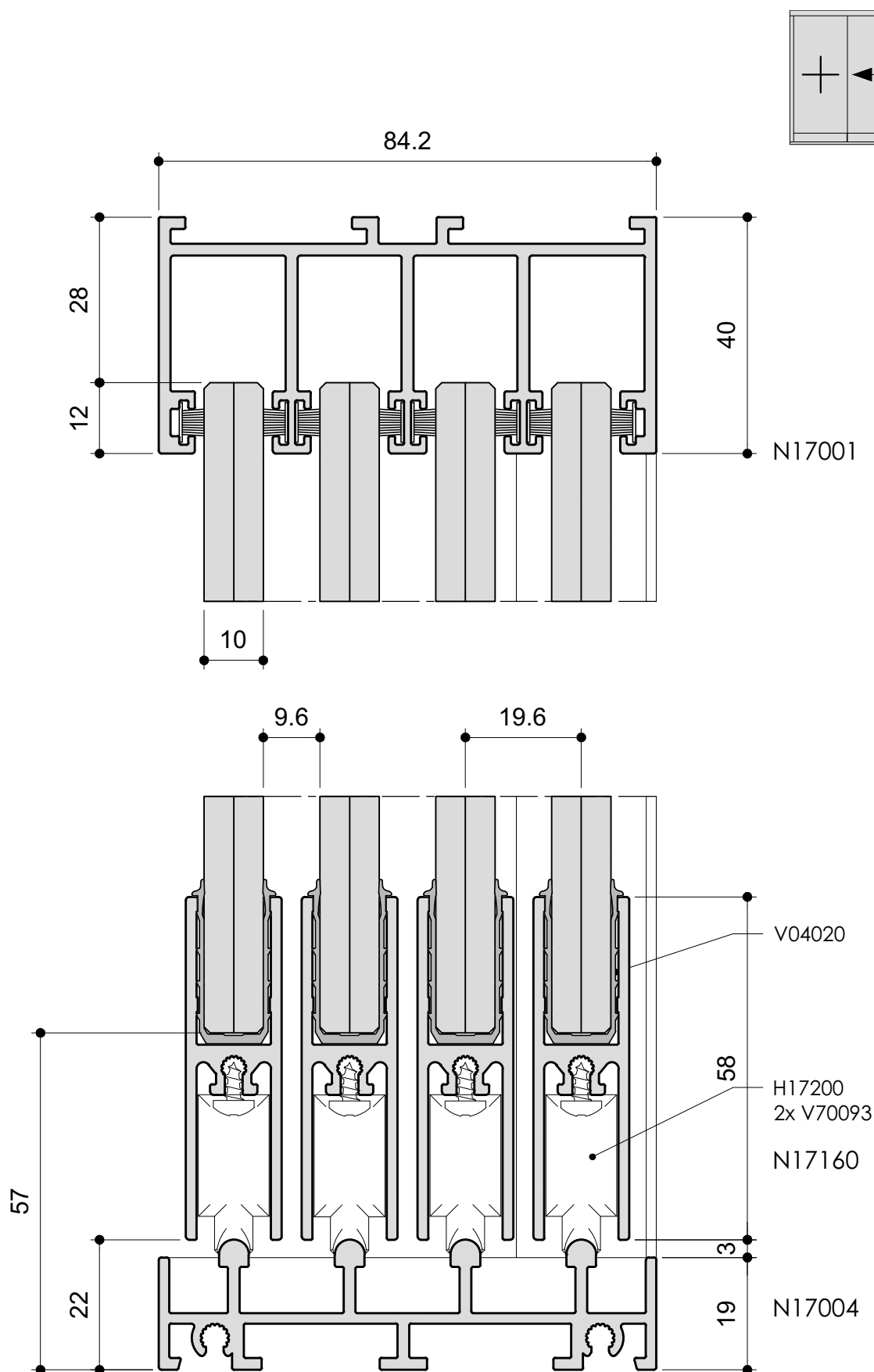
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► TYPICAL DETAIL / DOORSNEDEN / COUPES



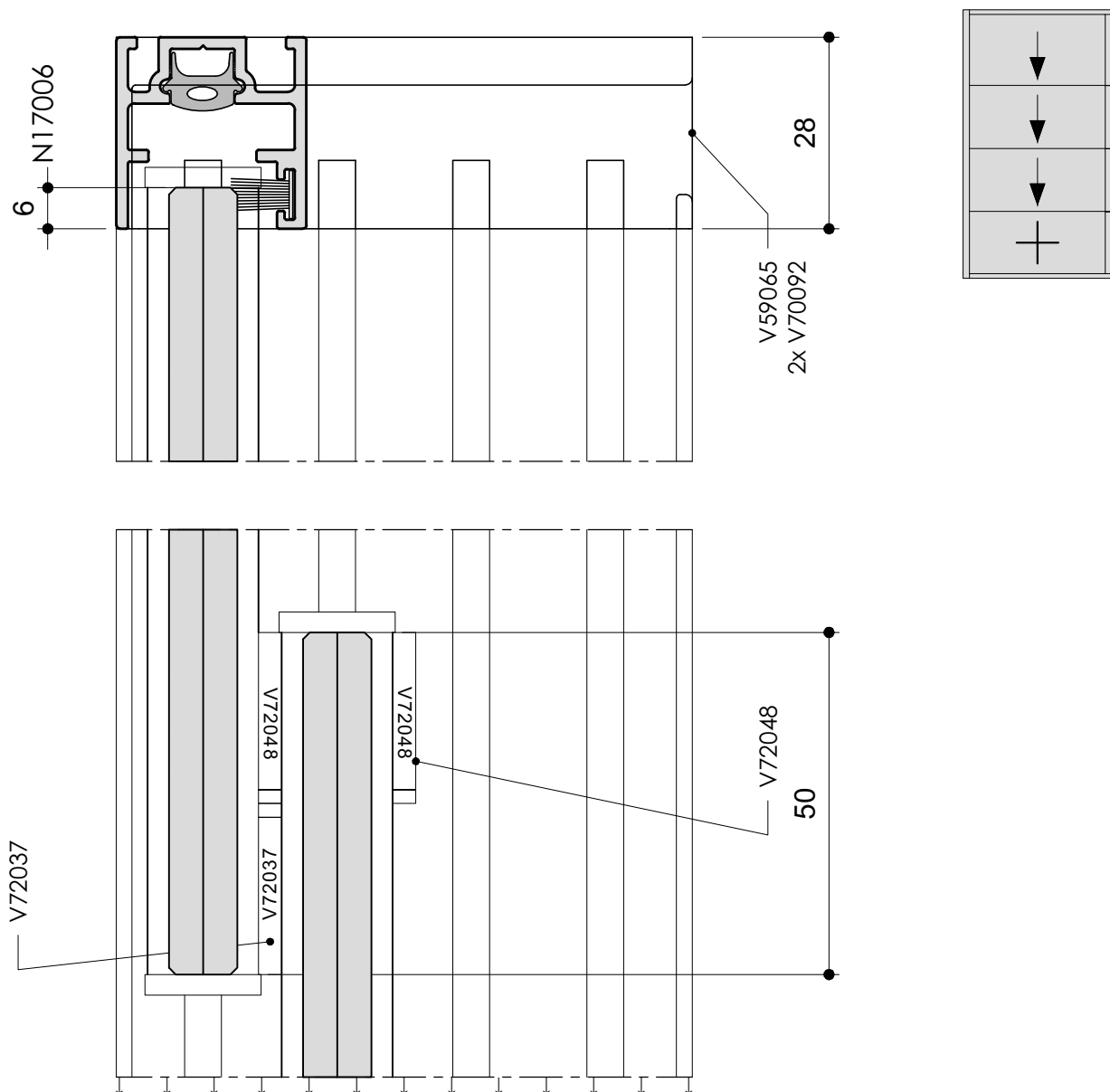
detail s16

▶ TYPICAL DETAIL / DOORSNEDEN / COUPES



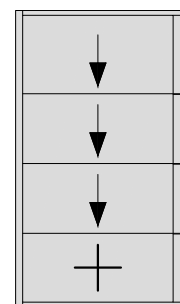
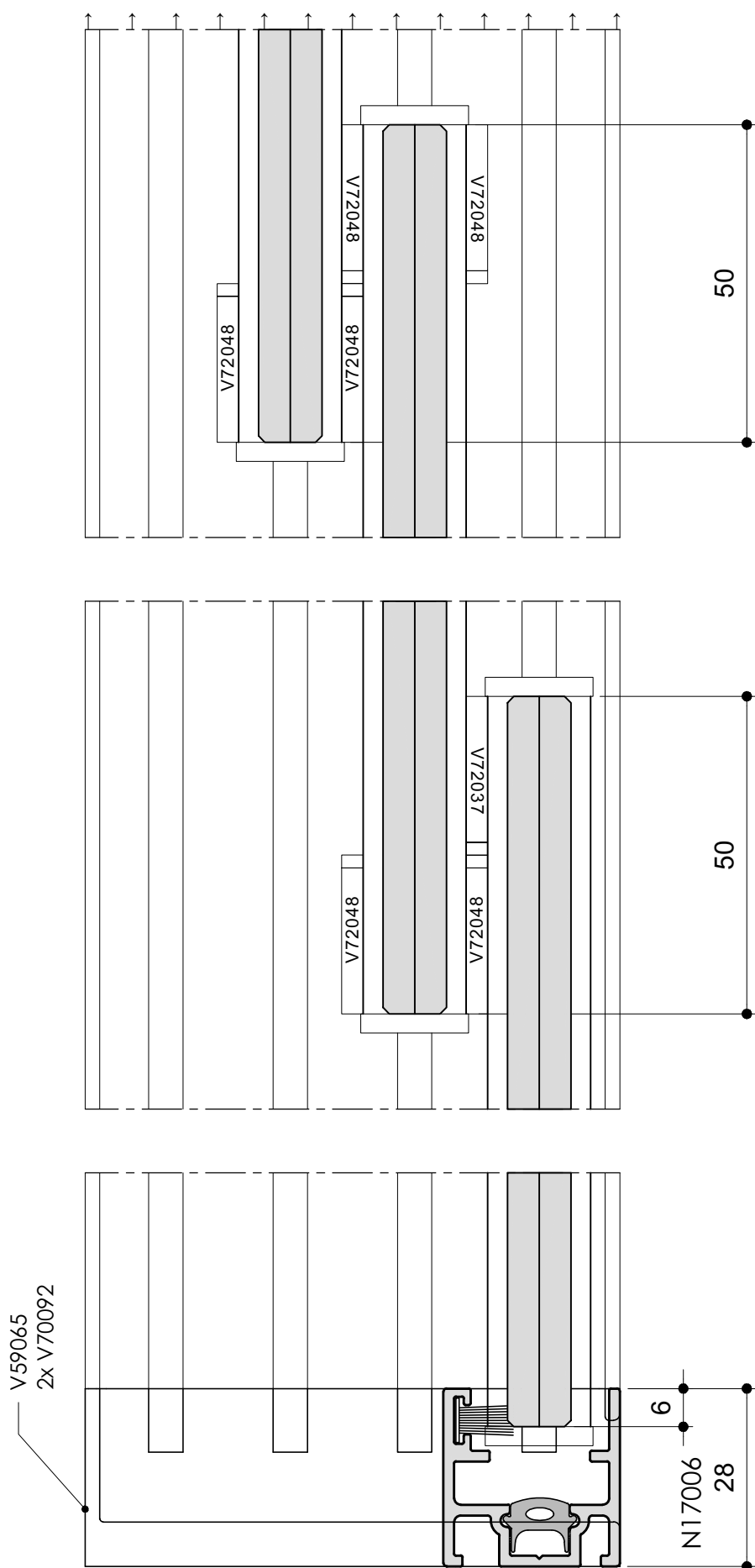
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▶ TYPICAL DETAIL / DOORSNEDEN / COUPES



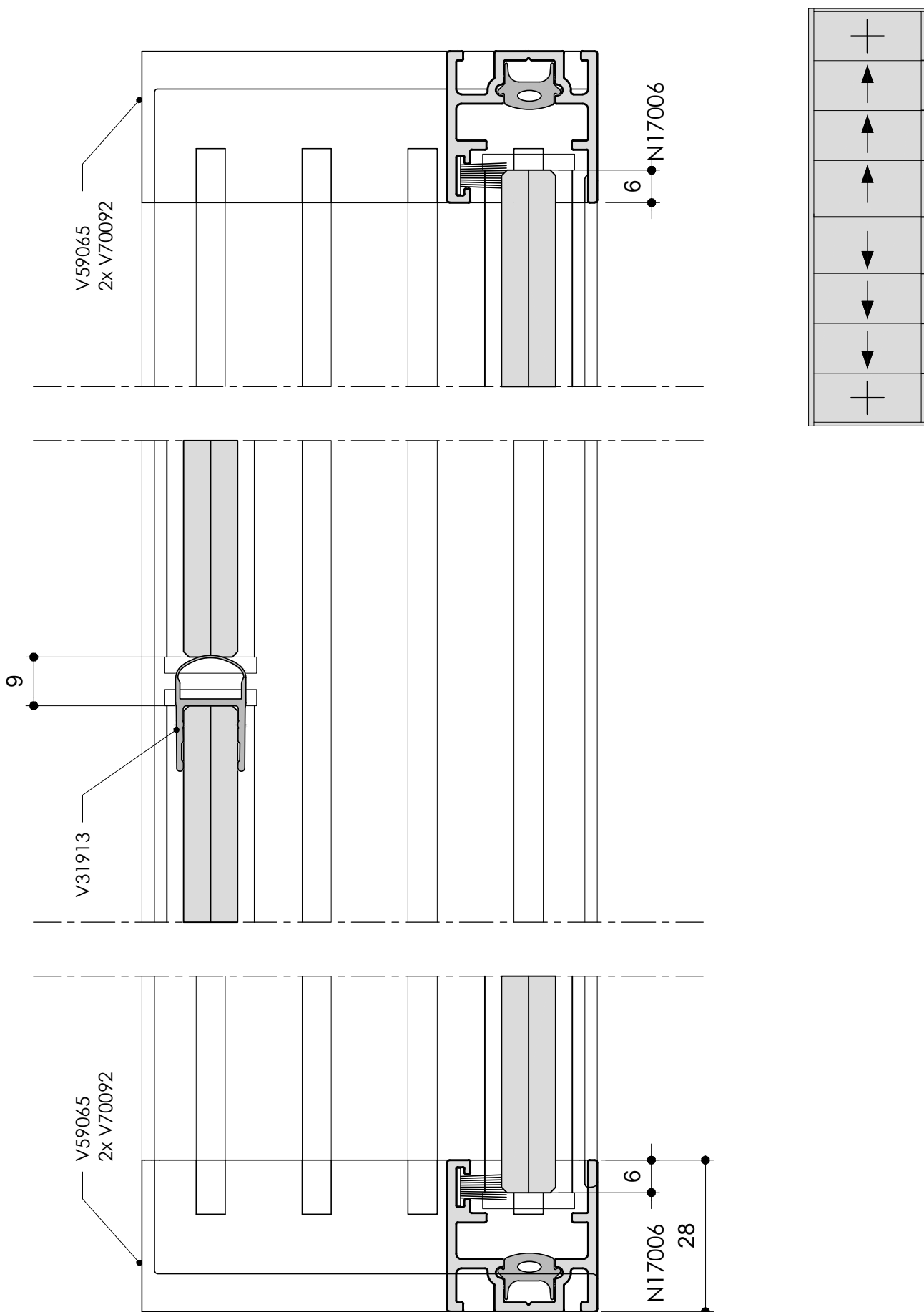
detail s16

TYPICAL DETAIL / DOORSNEDEN / COUPES



detail s16

► TYPICAL DETAIL / DOORSNEDEN / COUPES

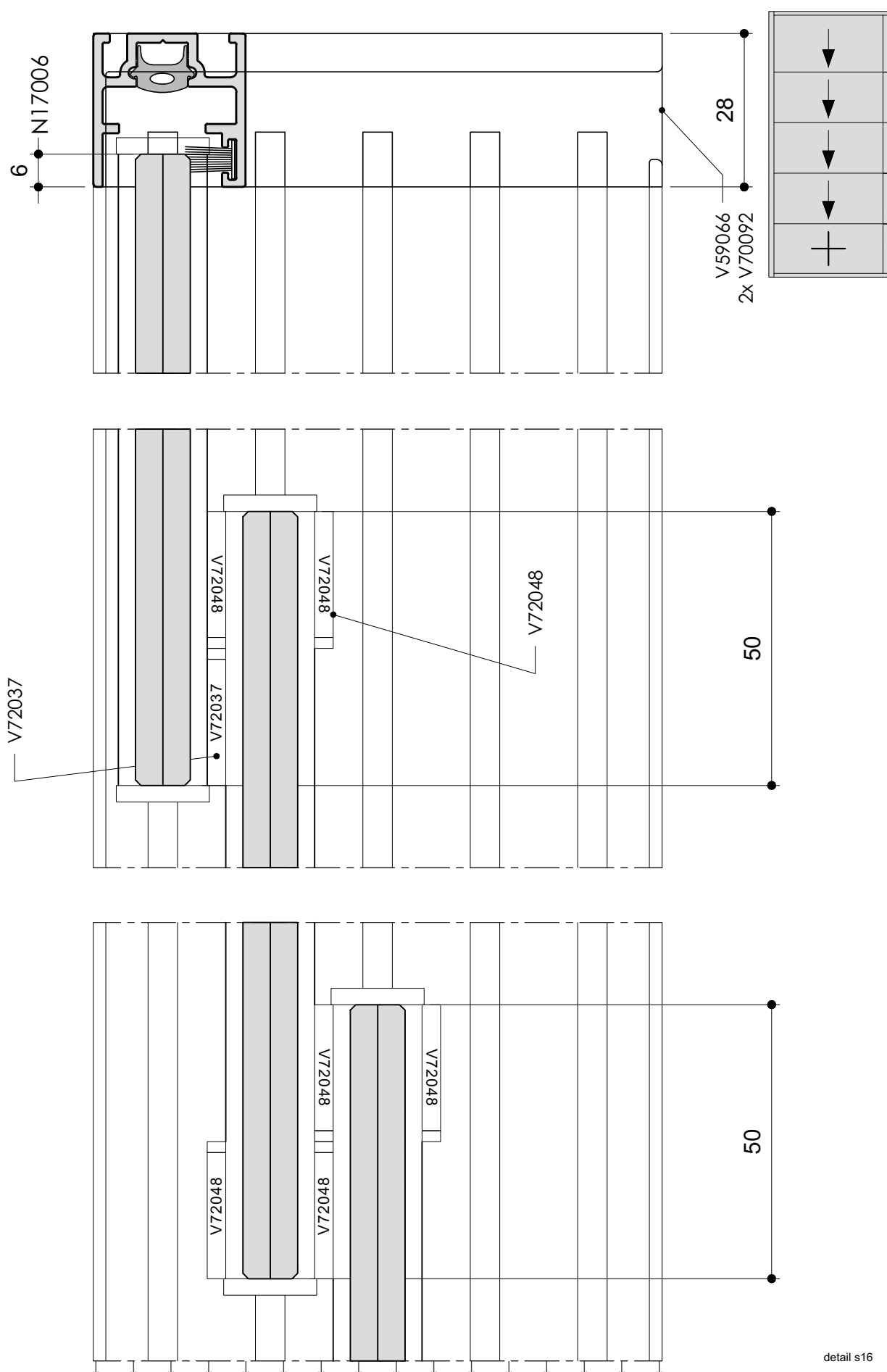


detail s16

TYPICAL DETAIL

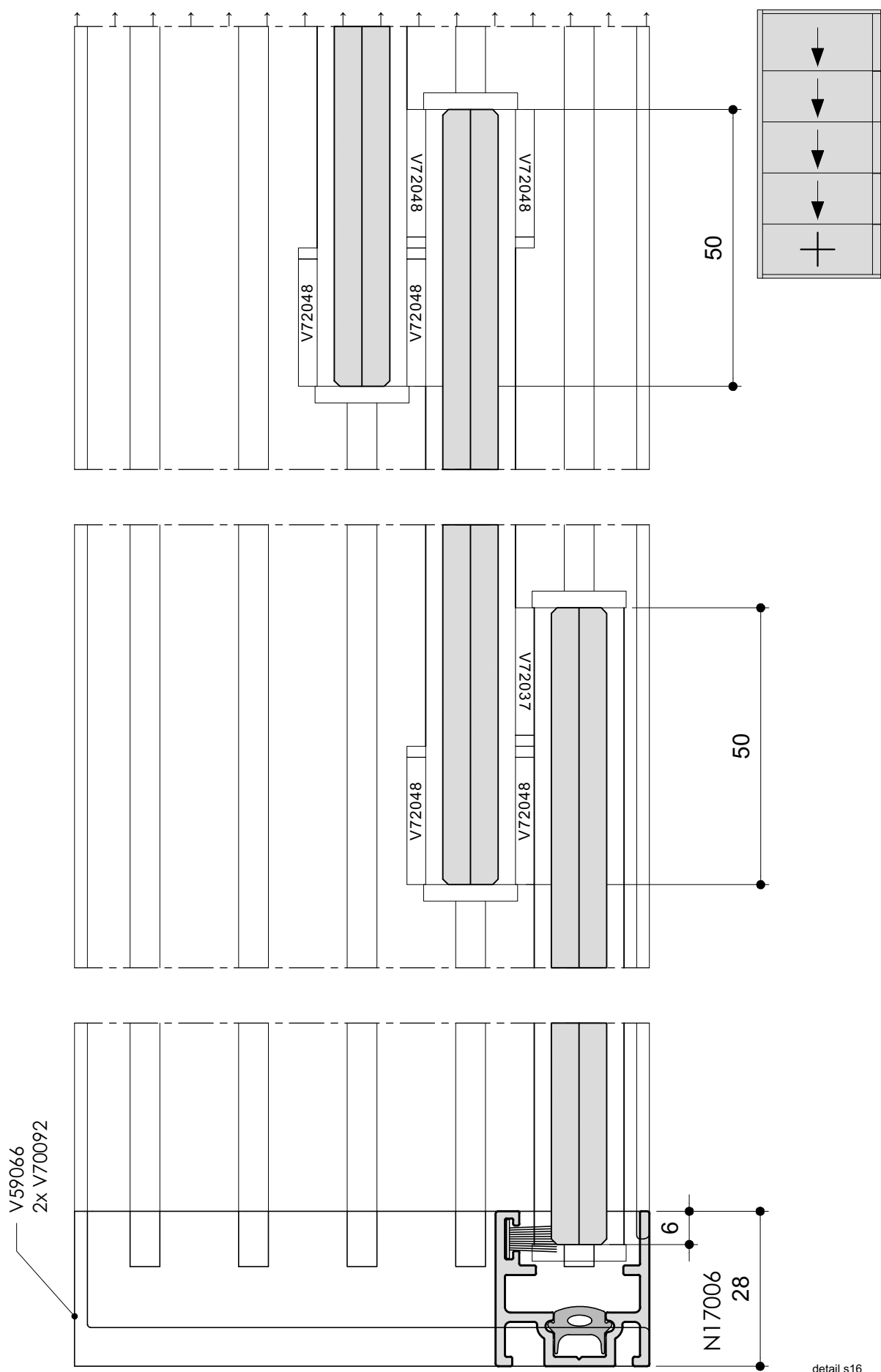


▶ TYPICAL DETAIL / DOORSNEDEN / COUPES



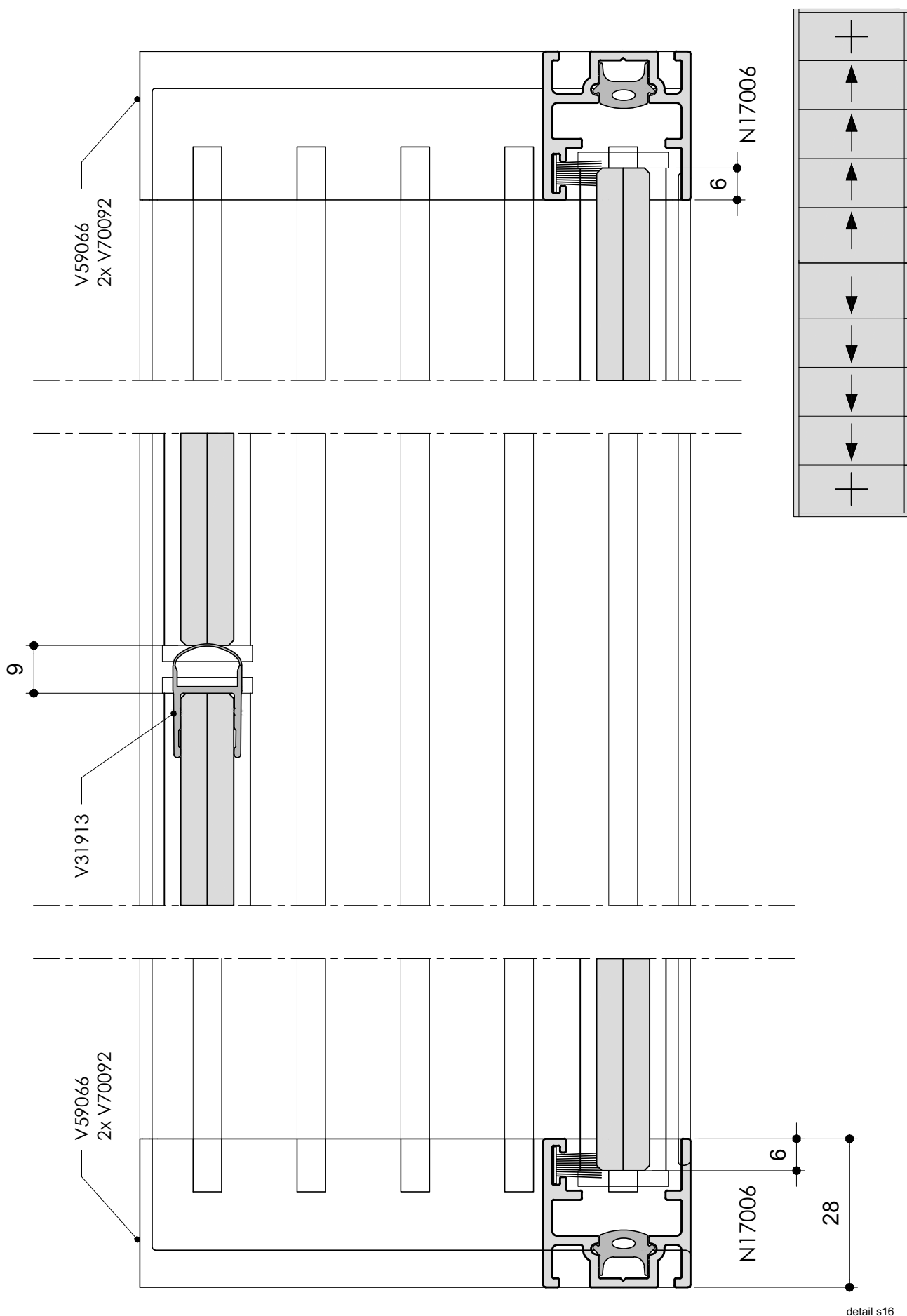
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TYPICAL DETAIL / DOORSNEDEN / COUPES



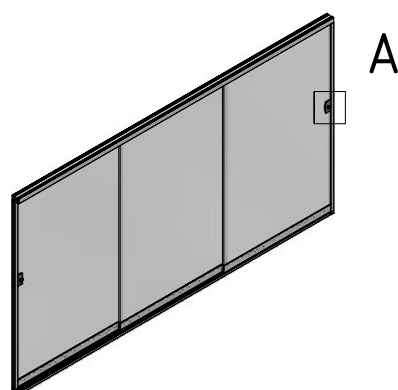
detail s16

► TYPICAL DETAIL / DOORSNEDEN / COUPES



detail s16

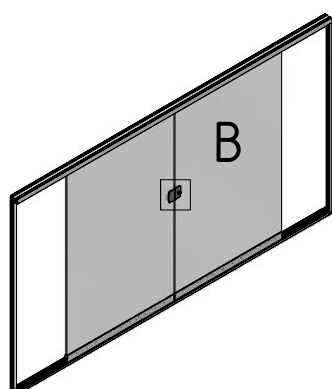
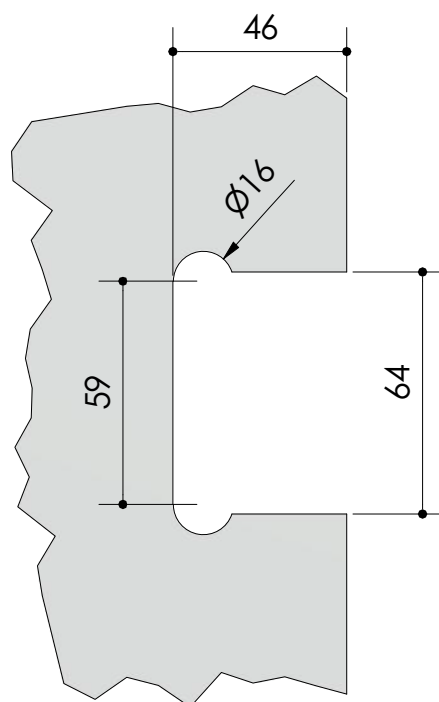
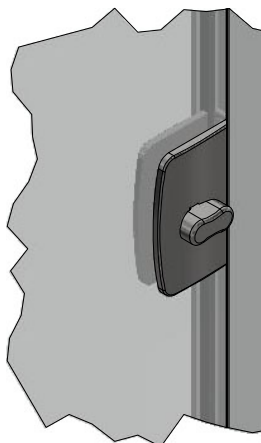
9
CONSTRUCTION



A

H17400

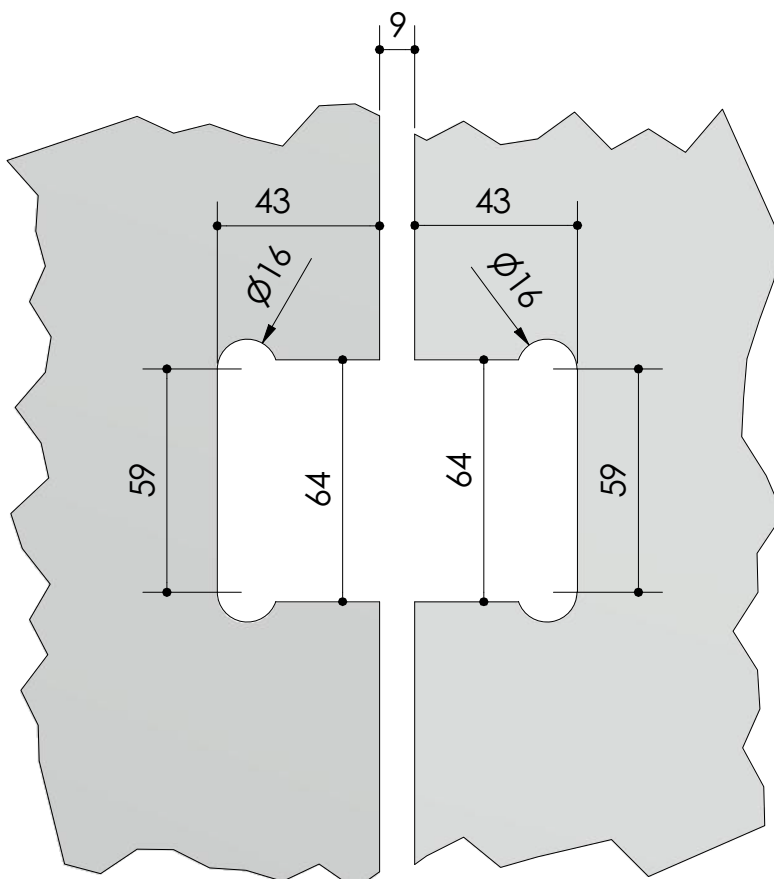
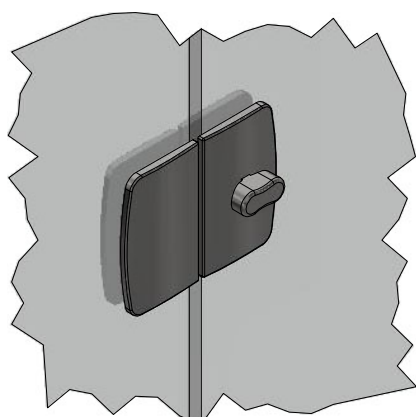
A - A



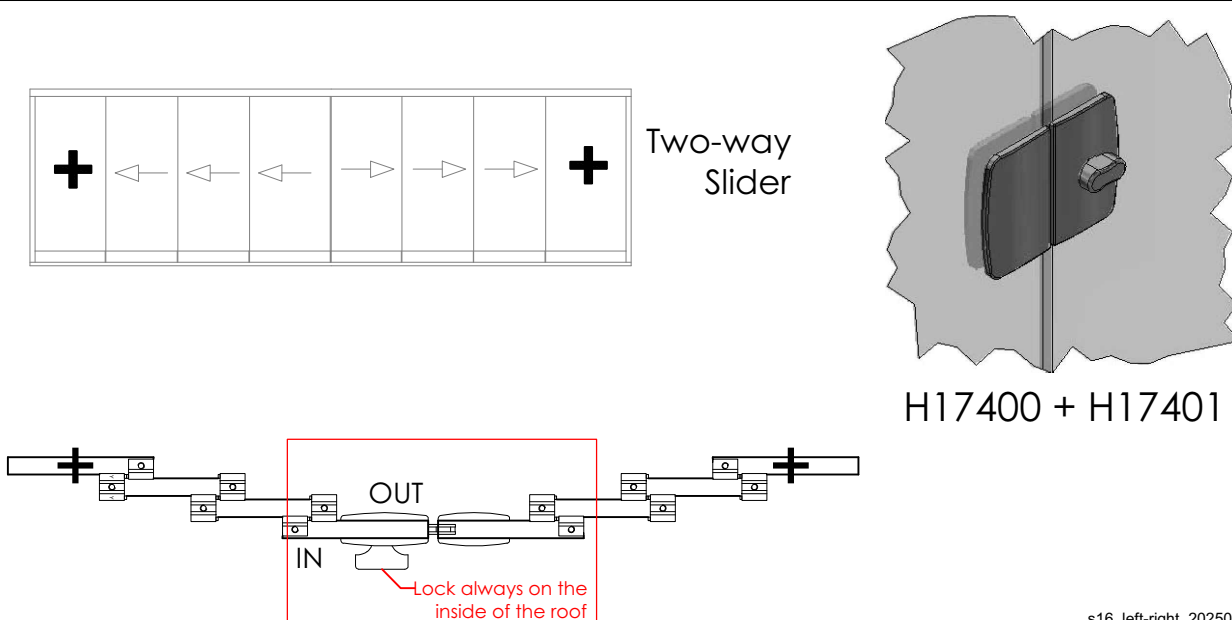
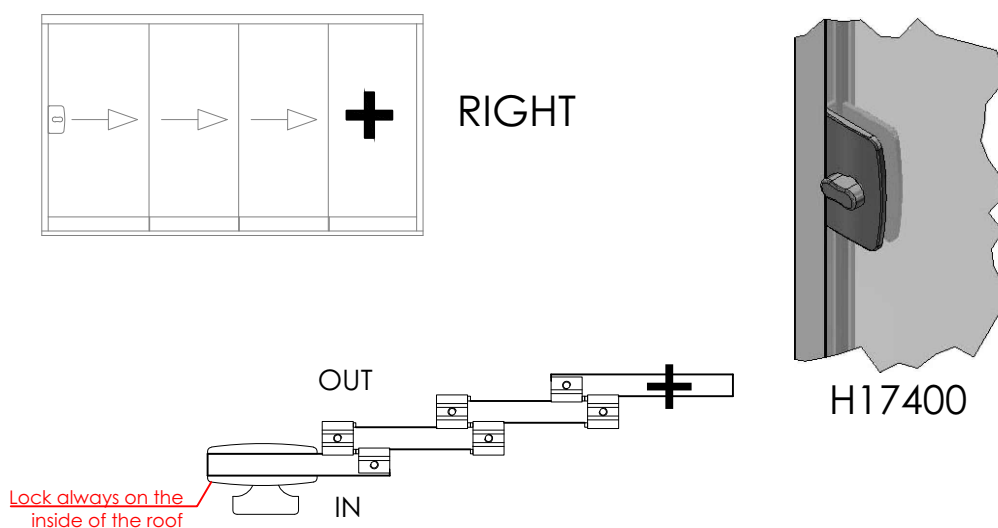
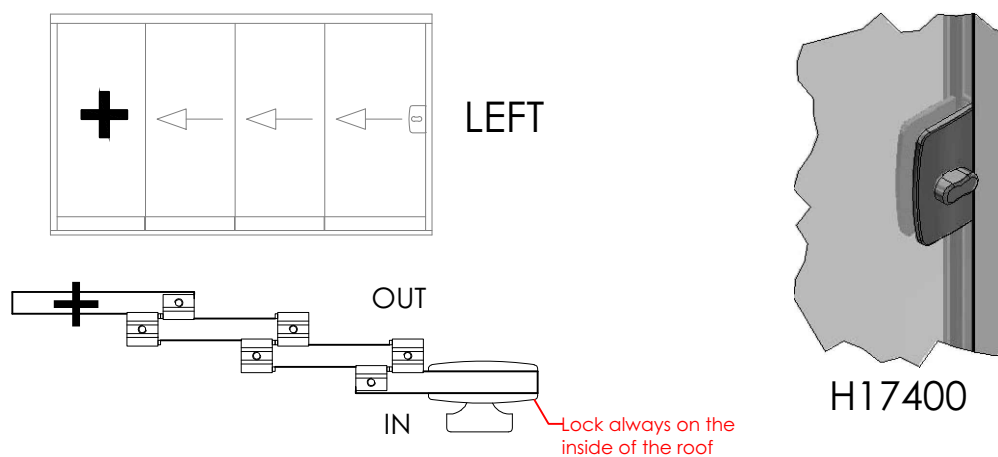
B

H17400 + H17401

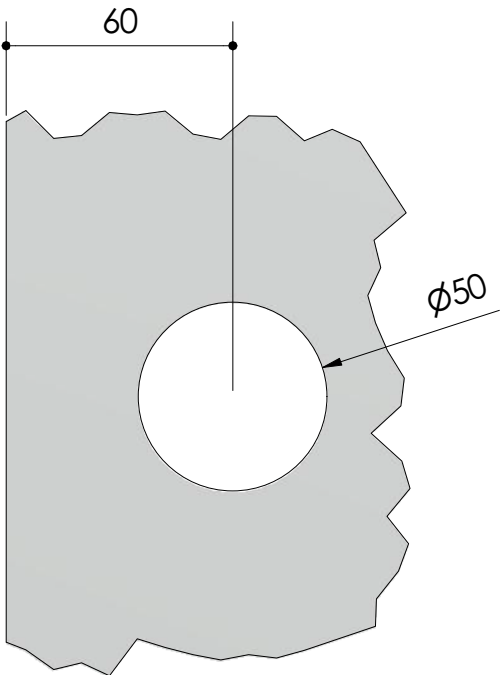
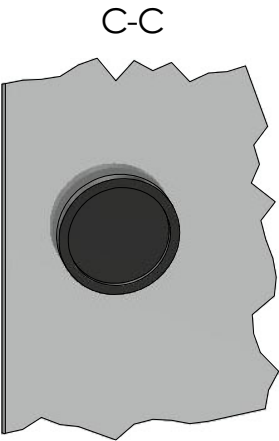
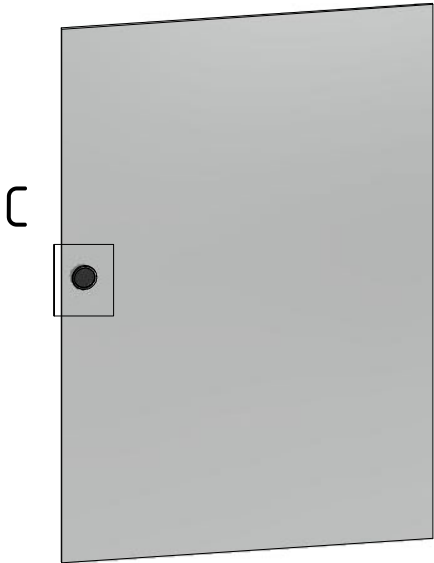
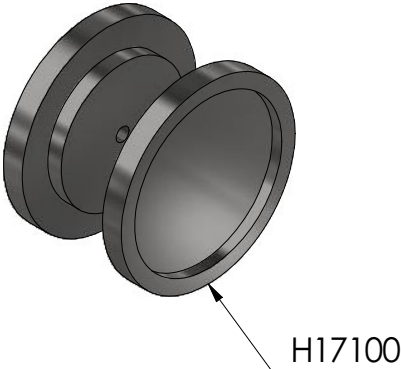
B - B

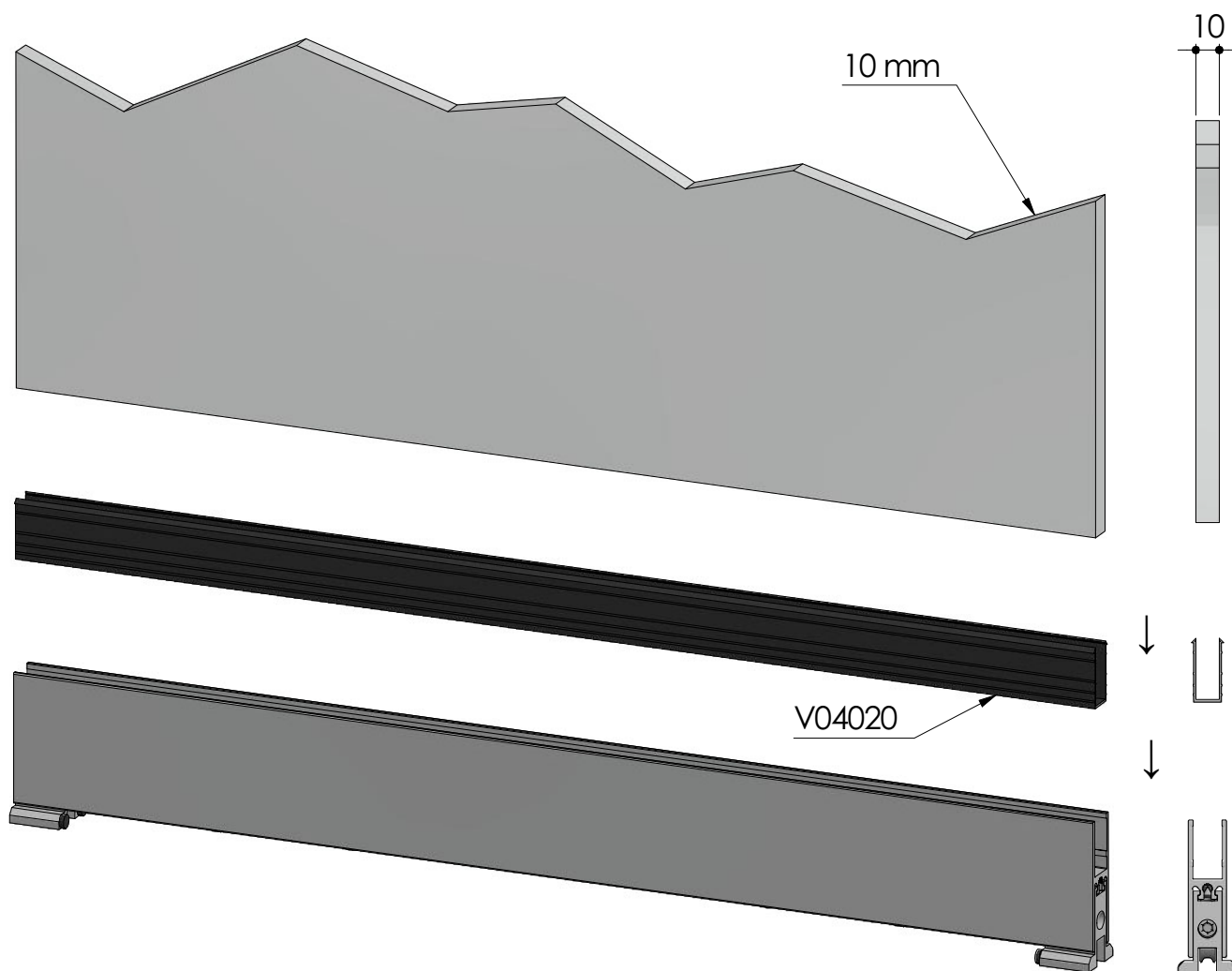


Klant_werk.idw



s16_left-right_20250630



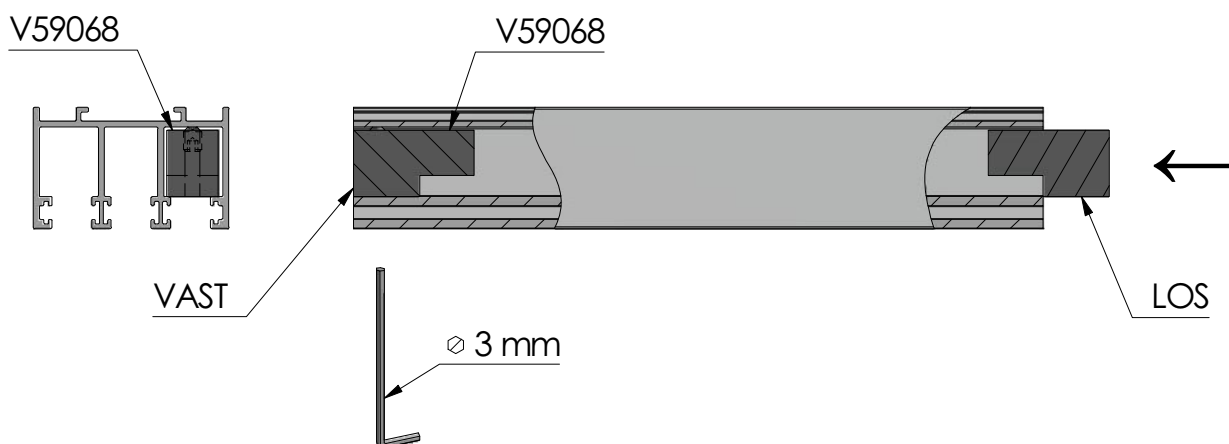
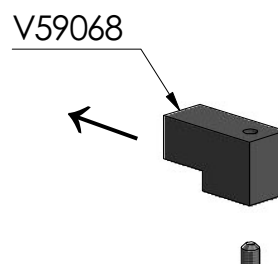
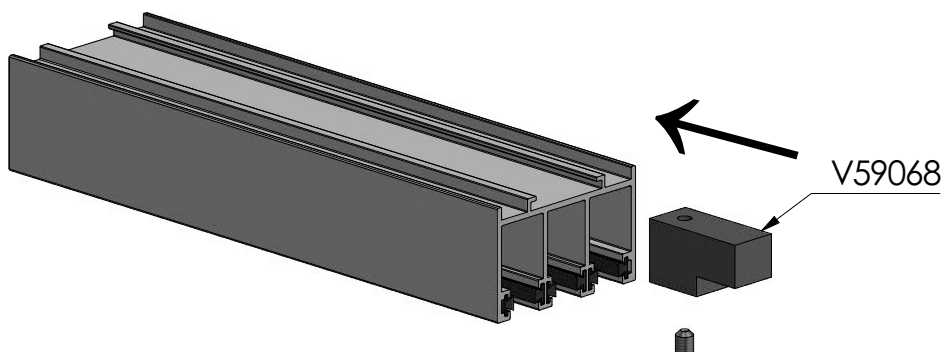
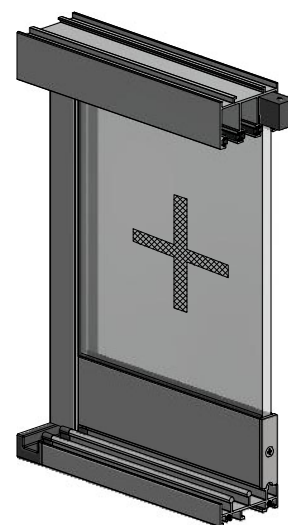


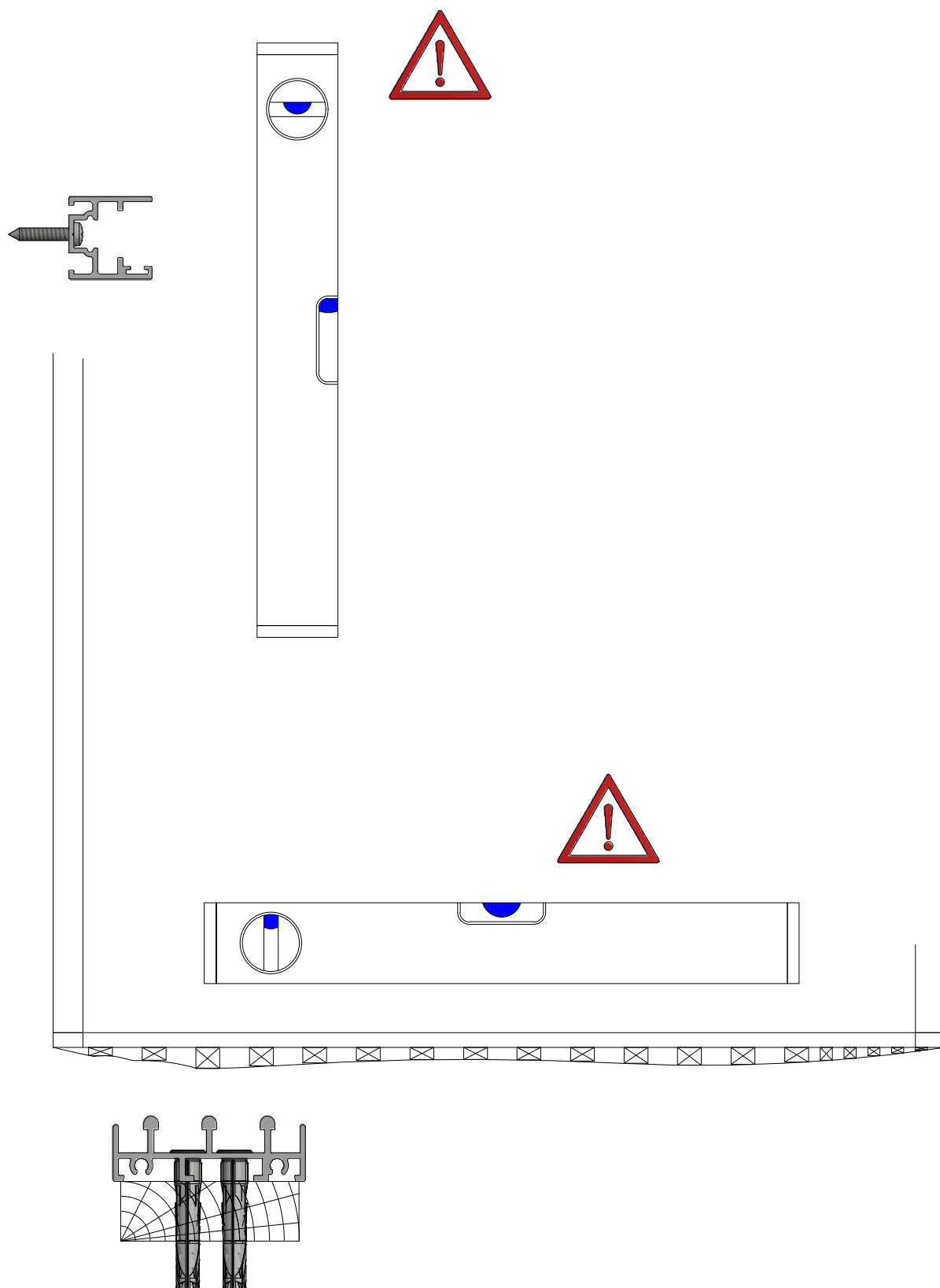


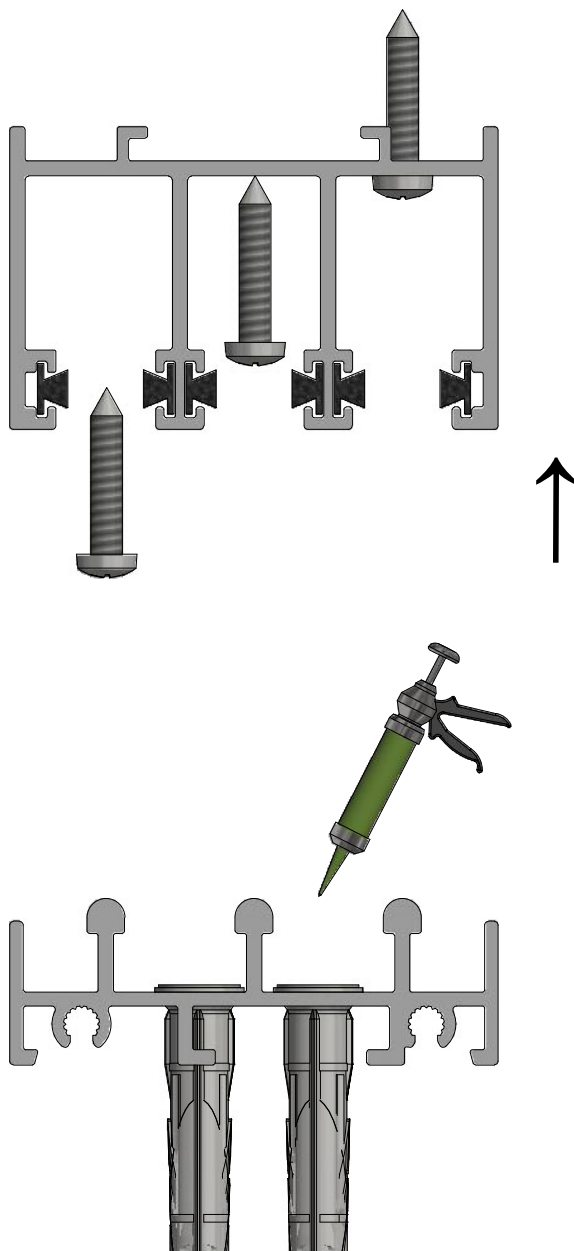
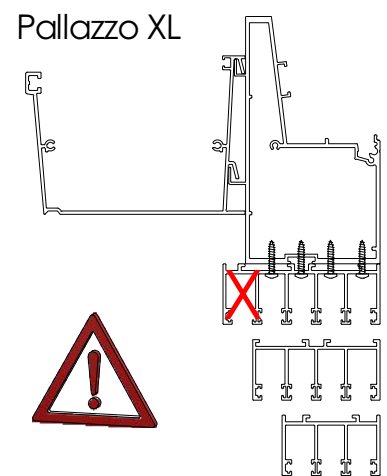
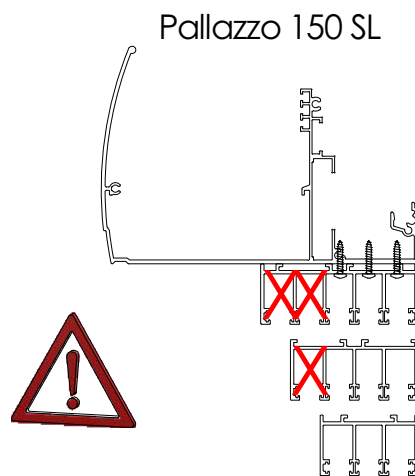
2 x V59068 insert **before** fixing the upper rail

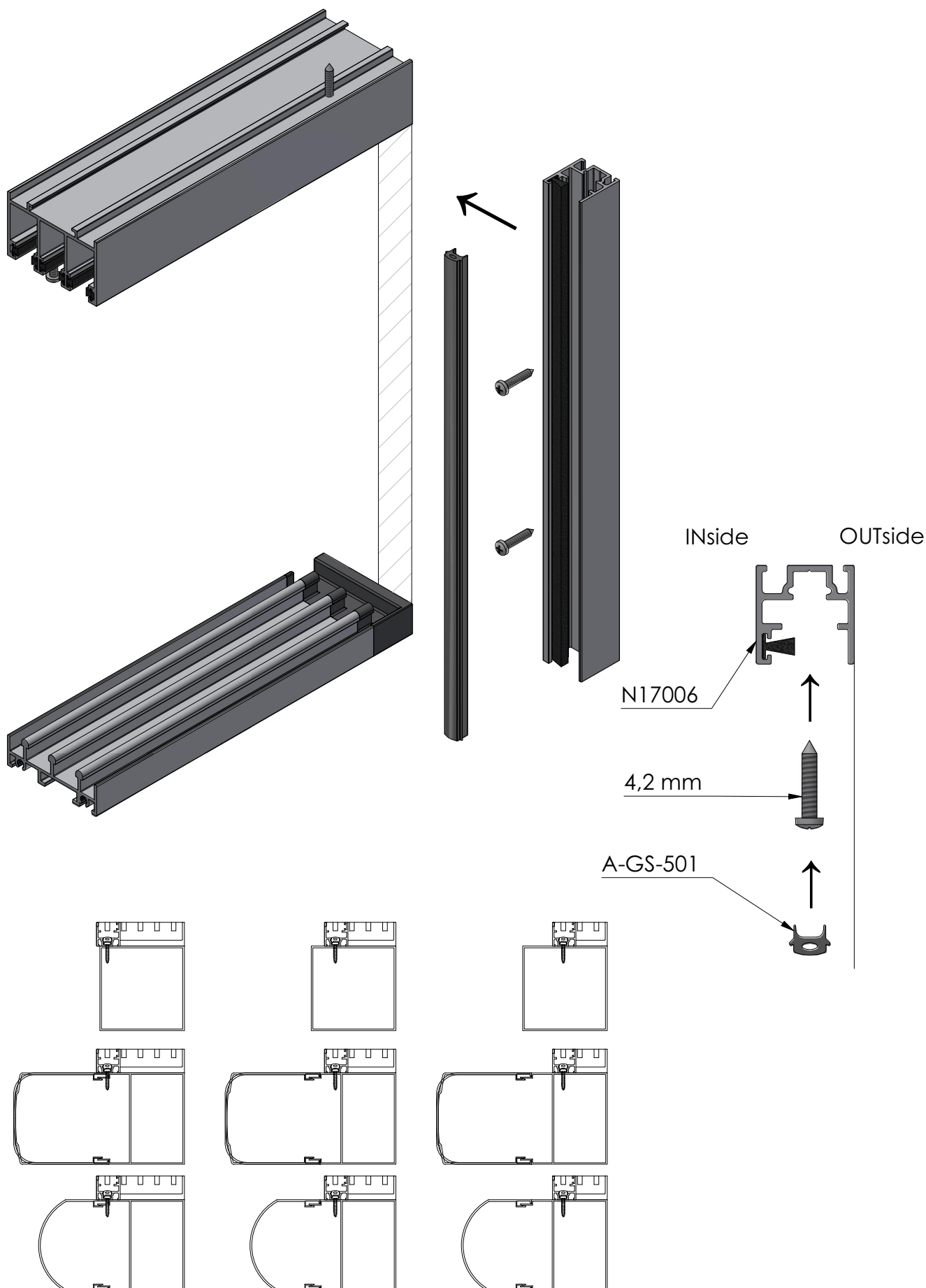
2 x V59068 inschuiven **voor** de bevestiging van de bovenrail

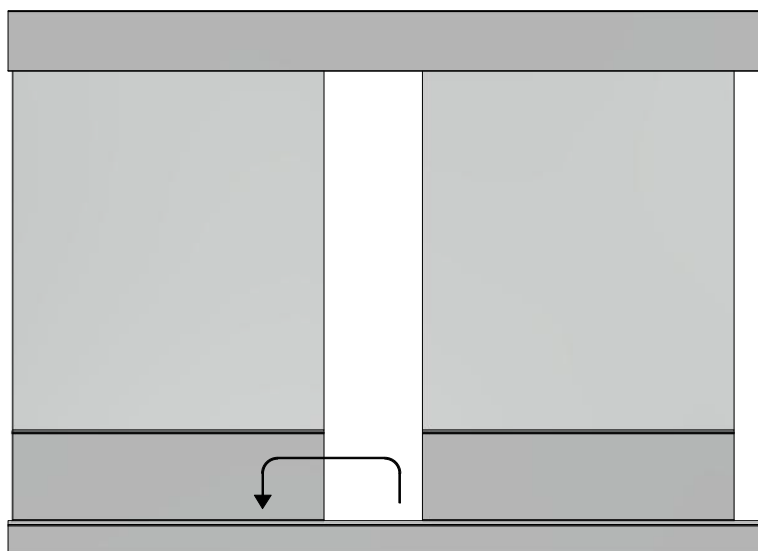
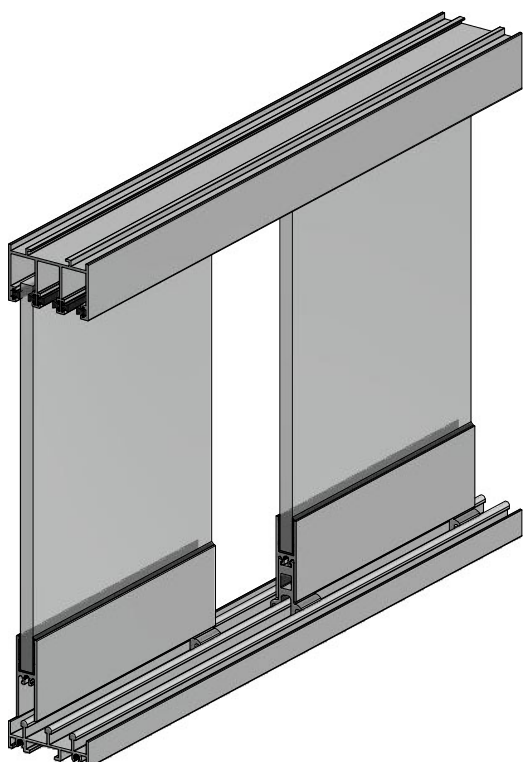
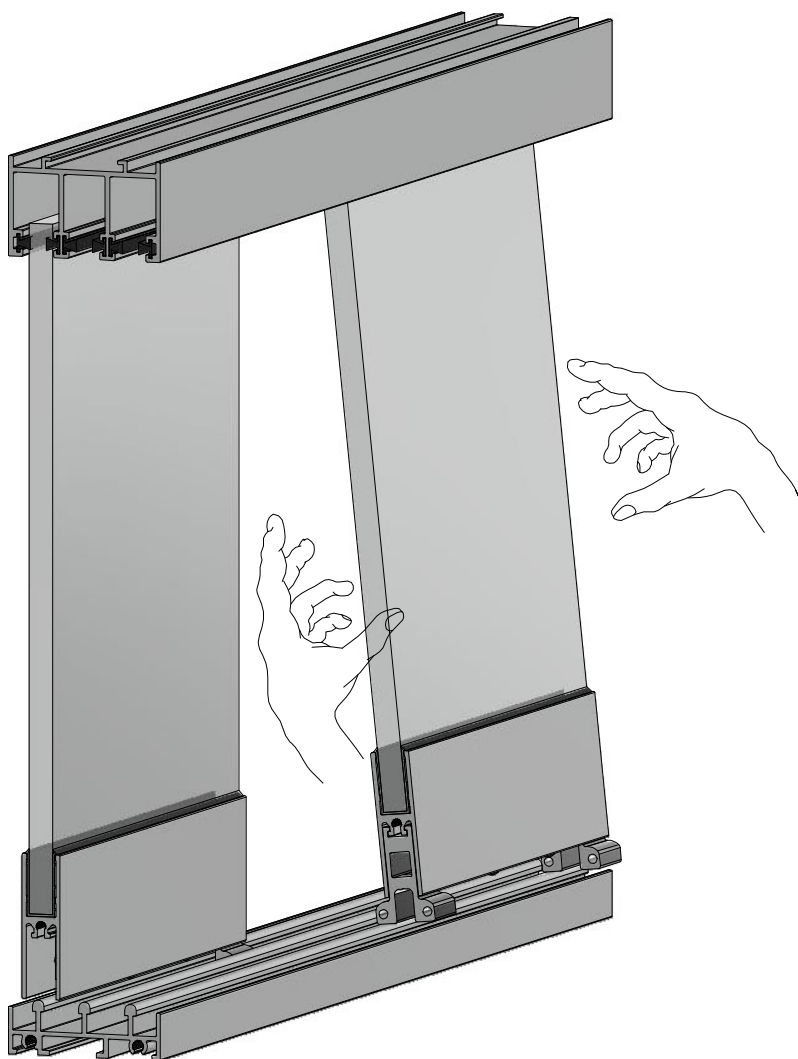
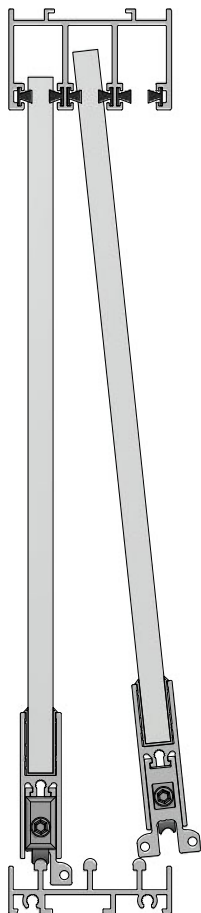
2 x V59068 se rétracter **pour** fixer le rail supérieur

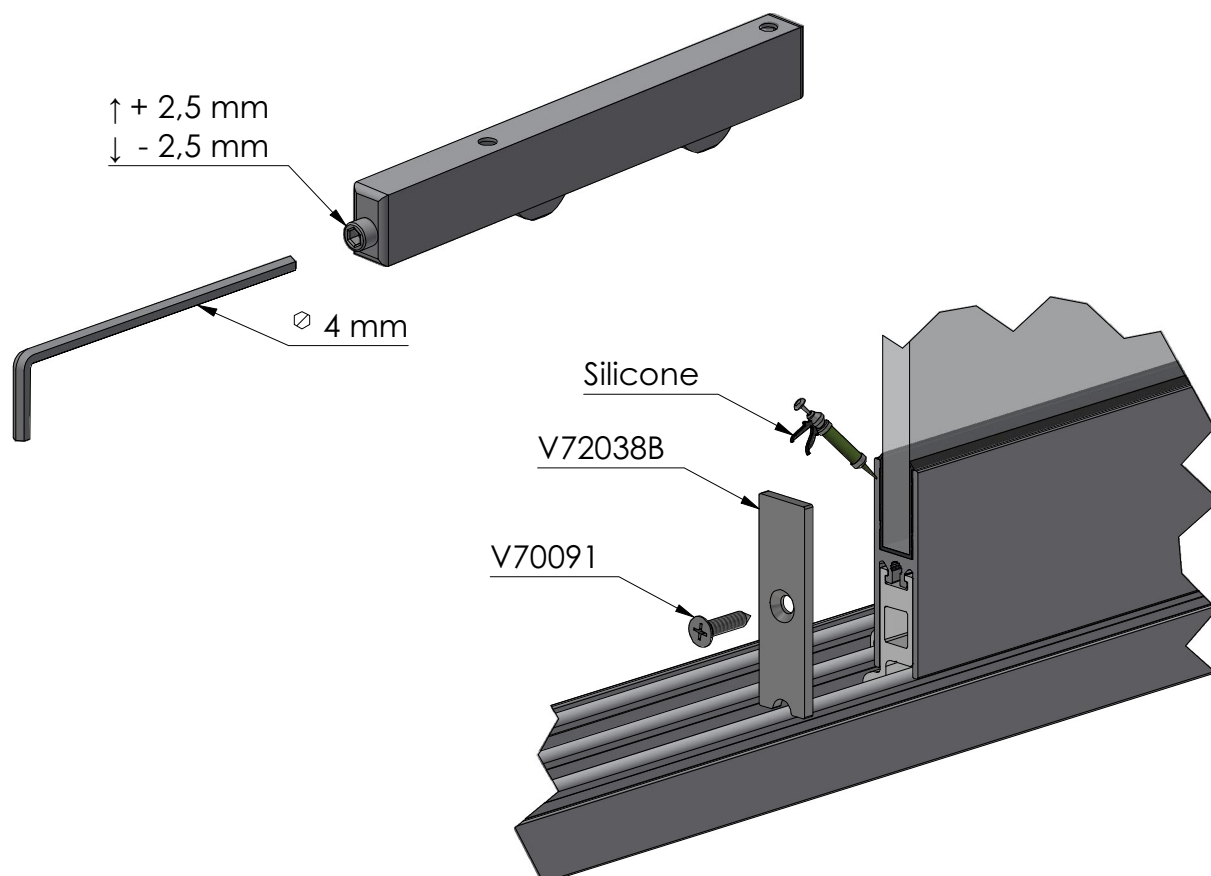
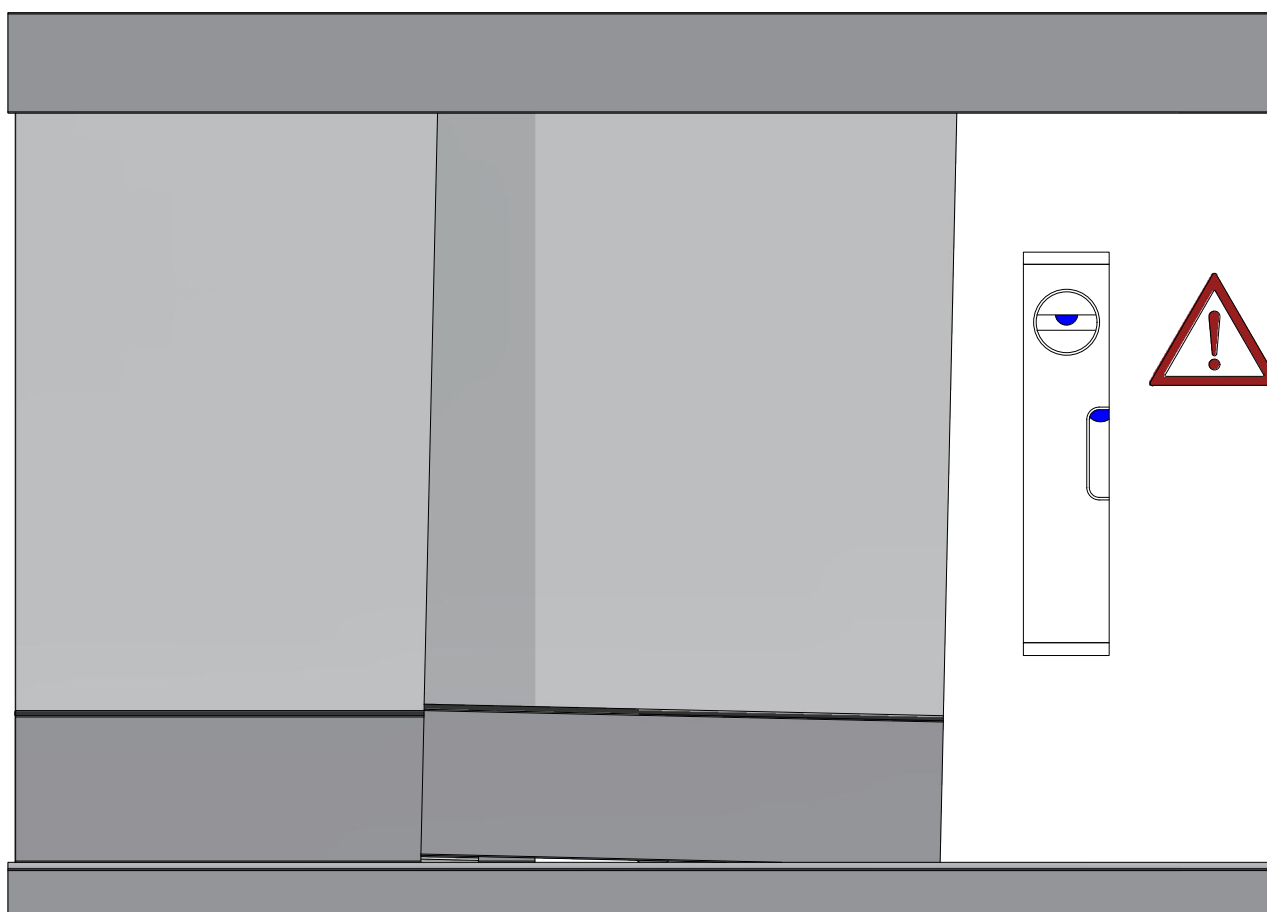


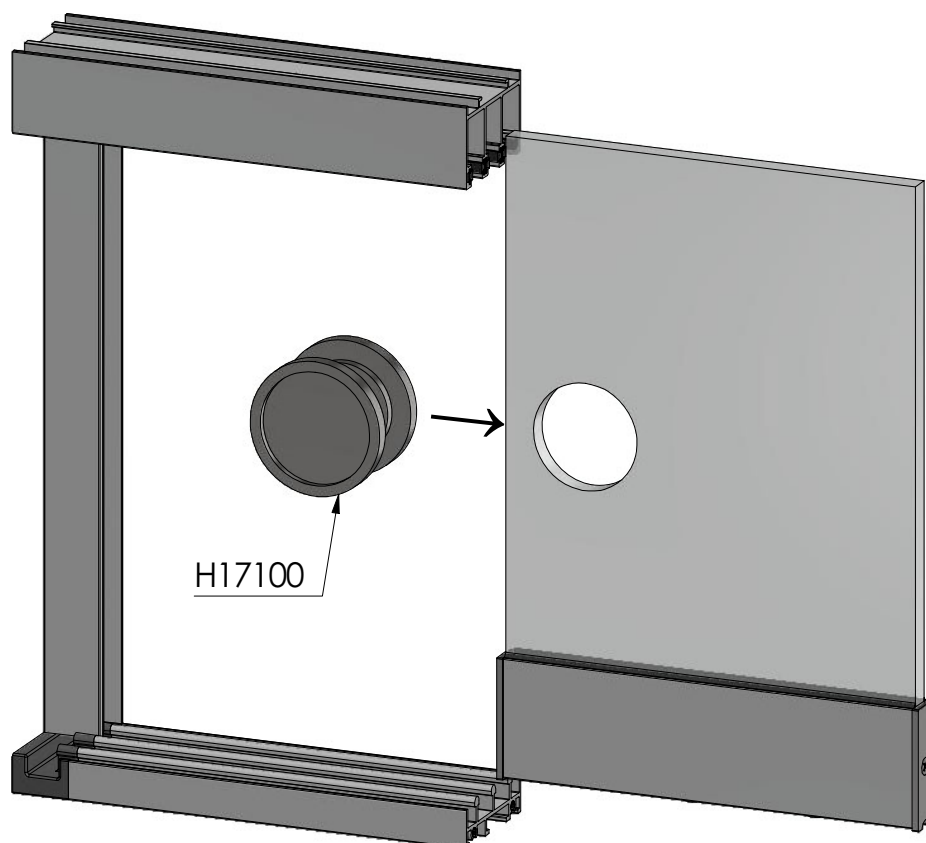
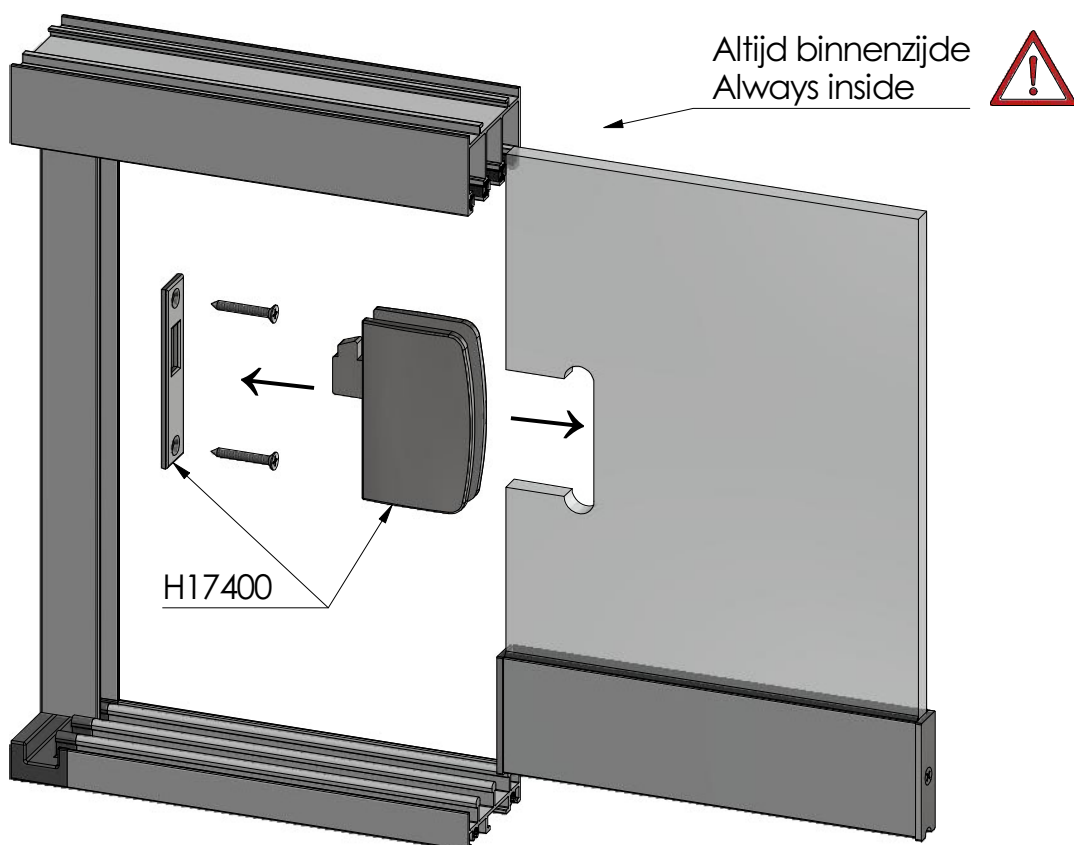




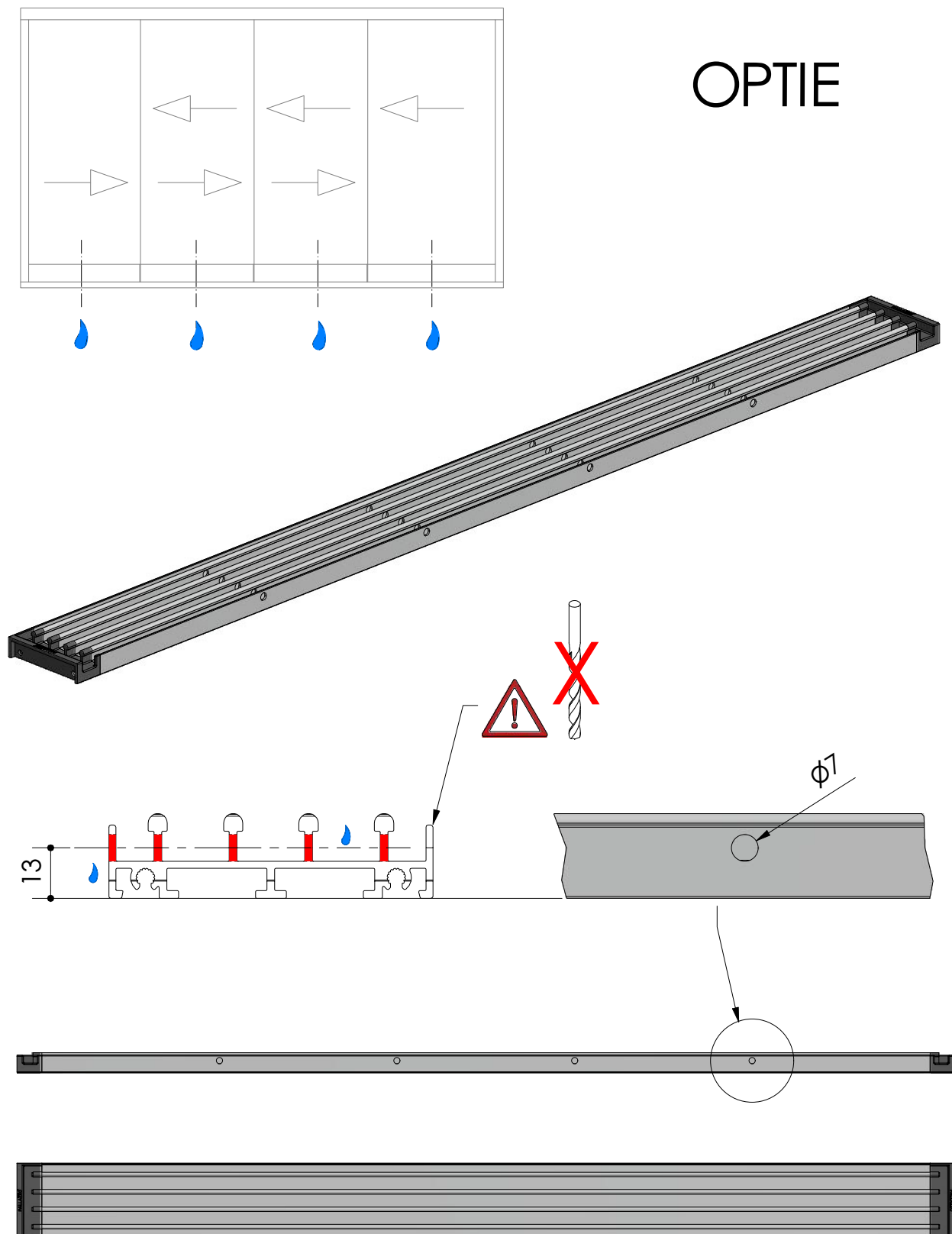








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