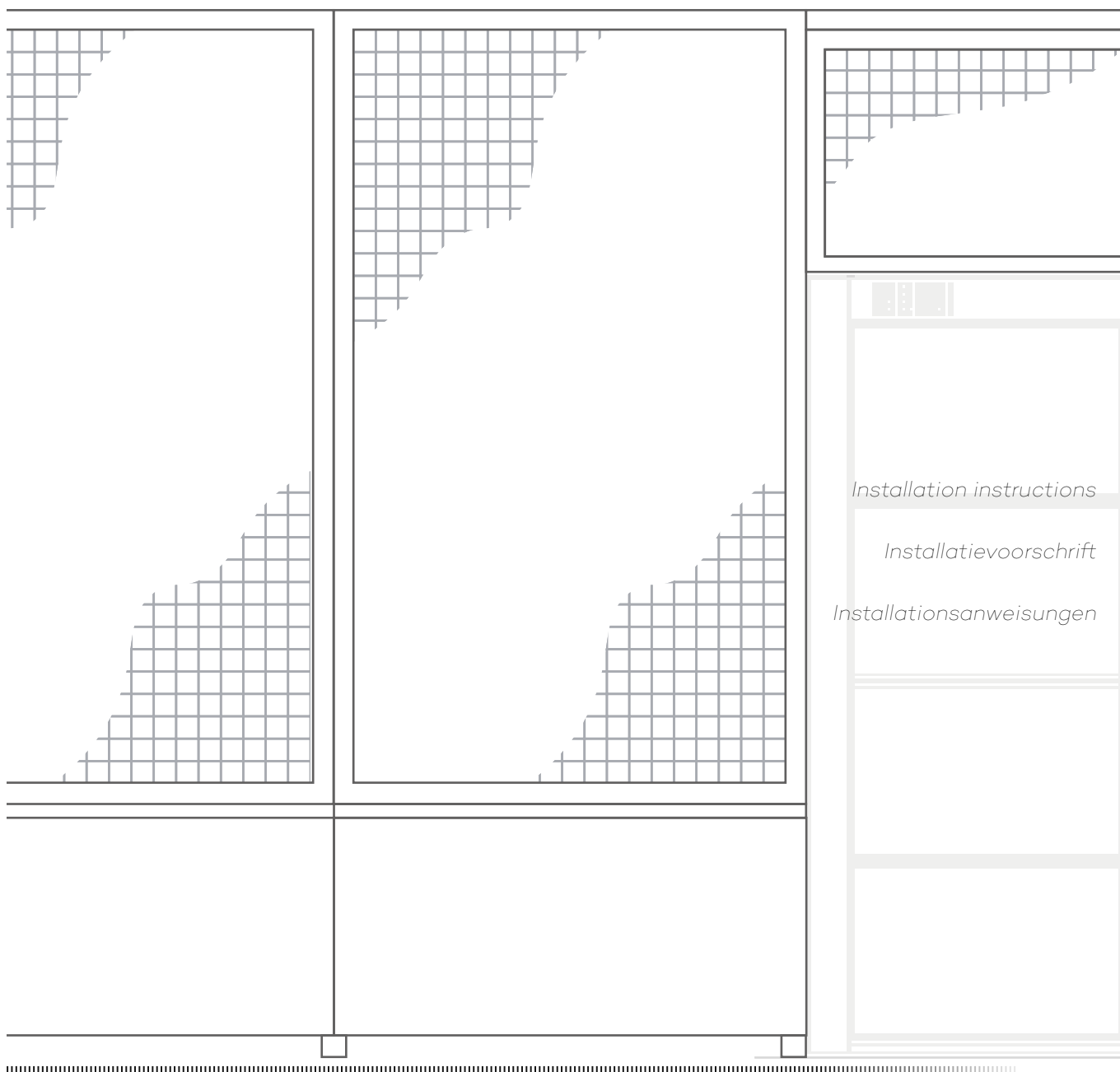


Lappset Sutu sportboarding L

290351



Installation instructions

Installatievoorschrift

Installationsanweisungen

EN

NL

DE



WARNING

Read these installation instructions before you start the installation. Retain this manual for future reference.



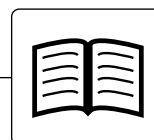
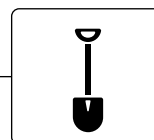
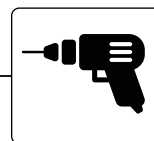
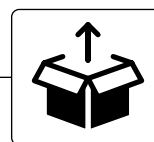
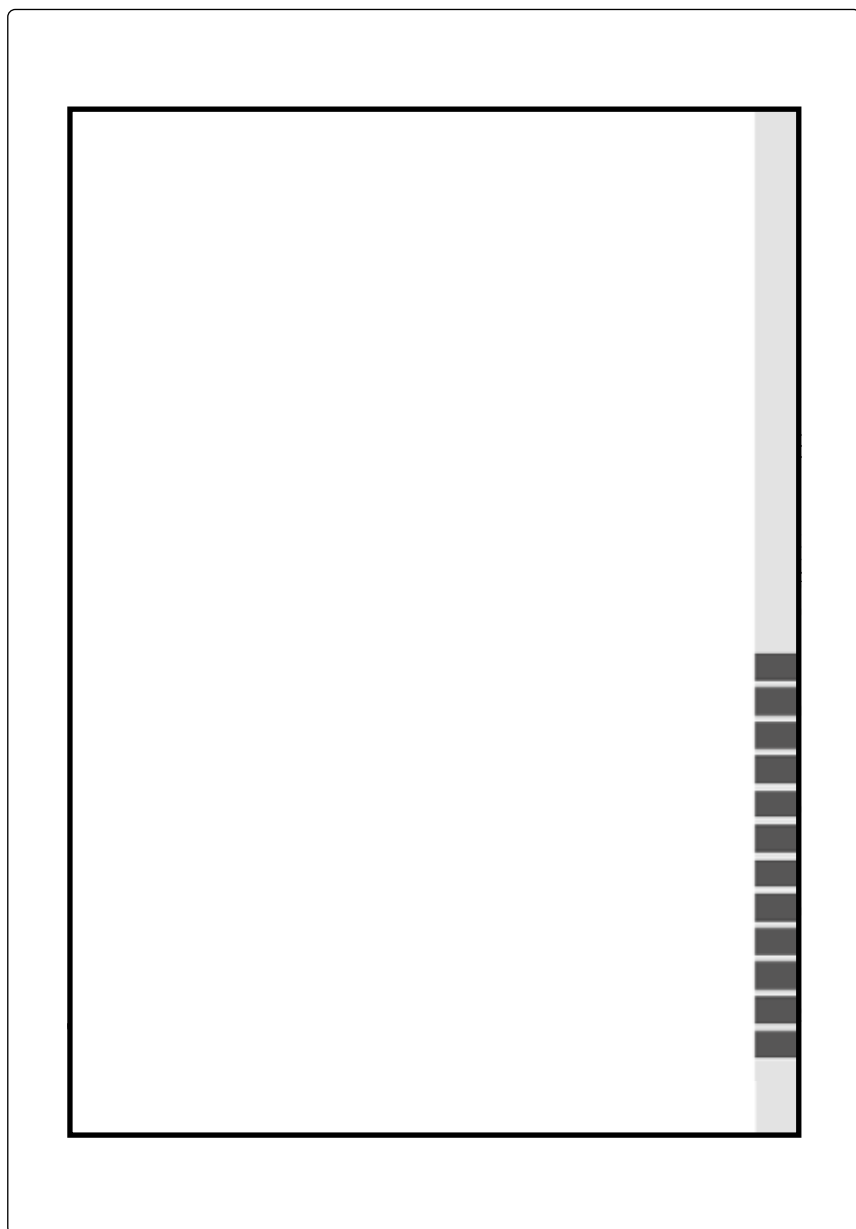
WAARSCHUWING

Lees deze installatieinstructies voordat u dit toestel installeert. Bewaar deze handleiding voor toekomstig gebruik.



WARNING

Bitte lesen Sie dieses Installationshandbuch durch, bevor Sie das Produkt installieren.
Bewahren Sie dieses Handbuch zum späteren Nachschlagen auf.



A

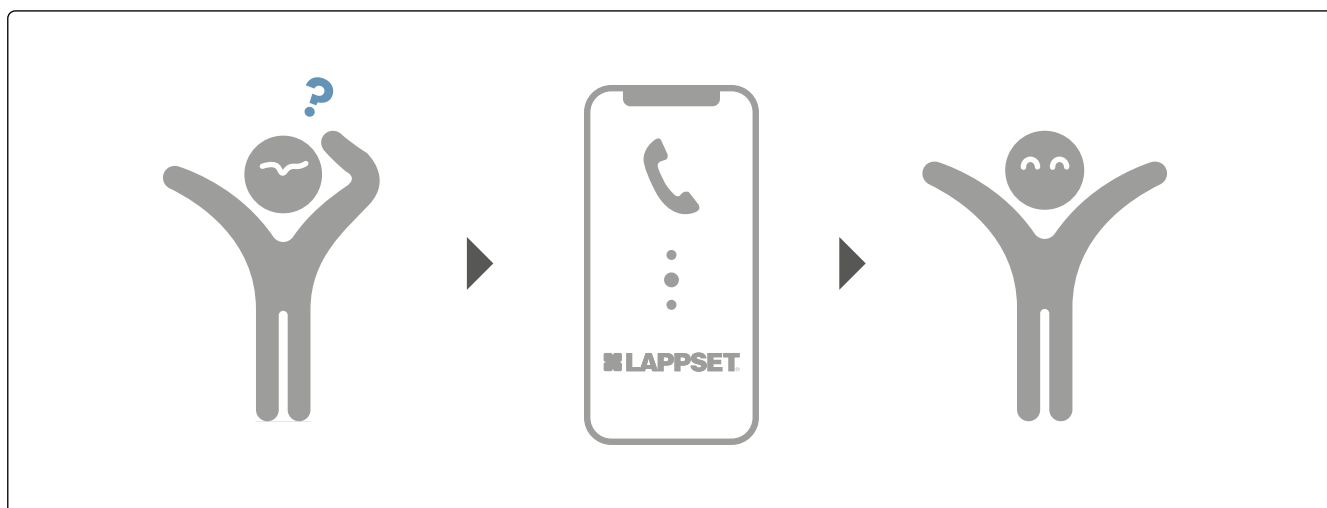
B

C

EN

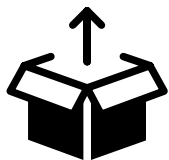
NL

DE

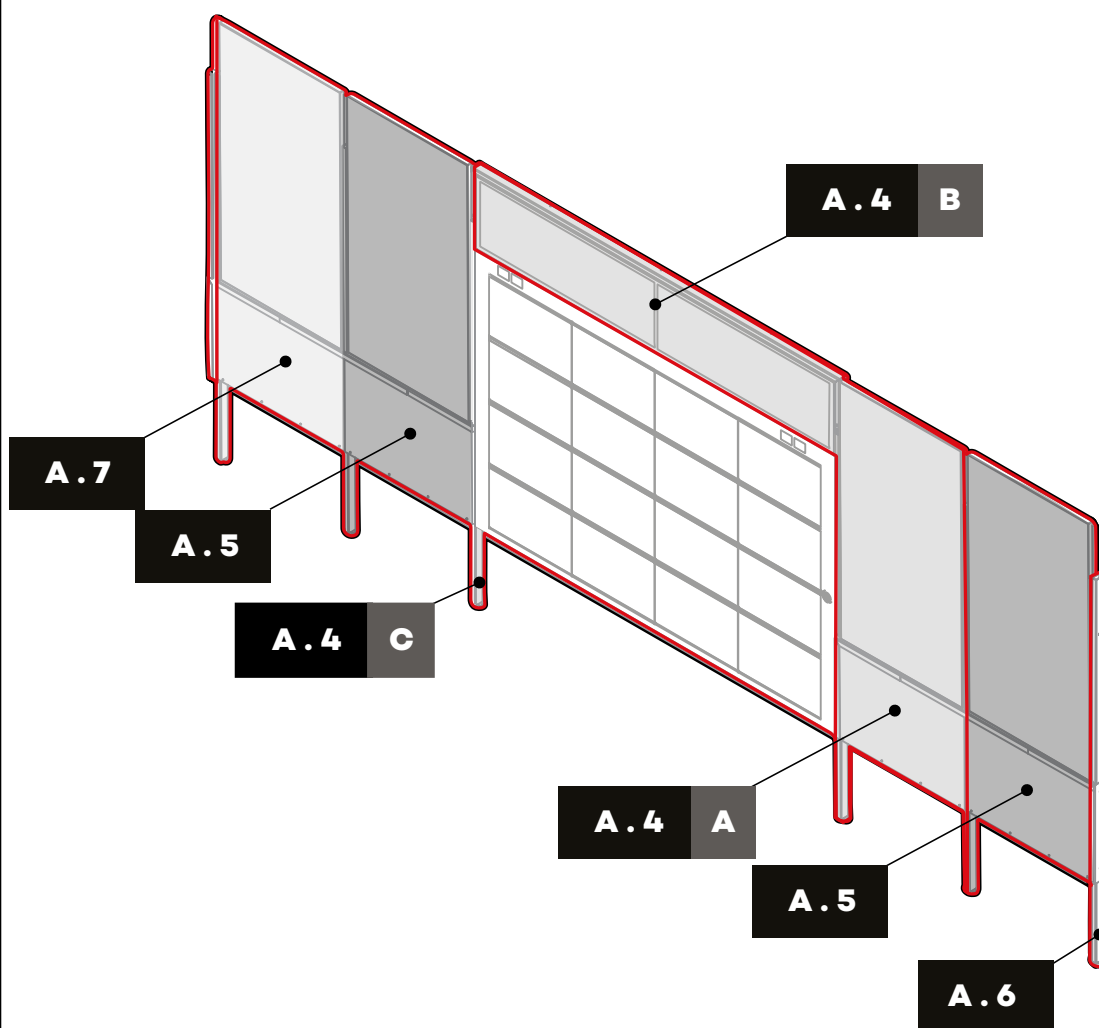


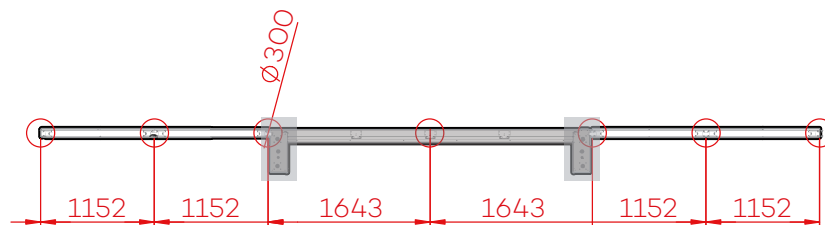
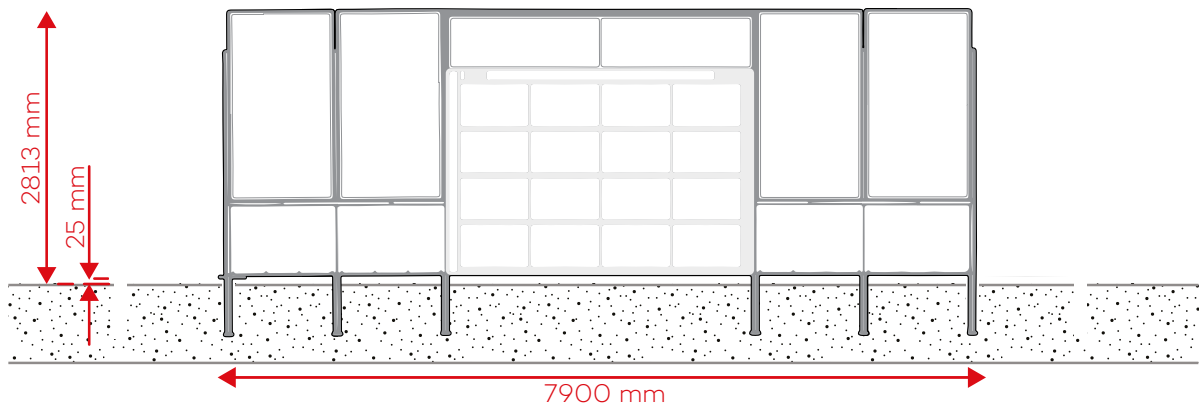
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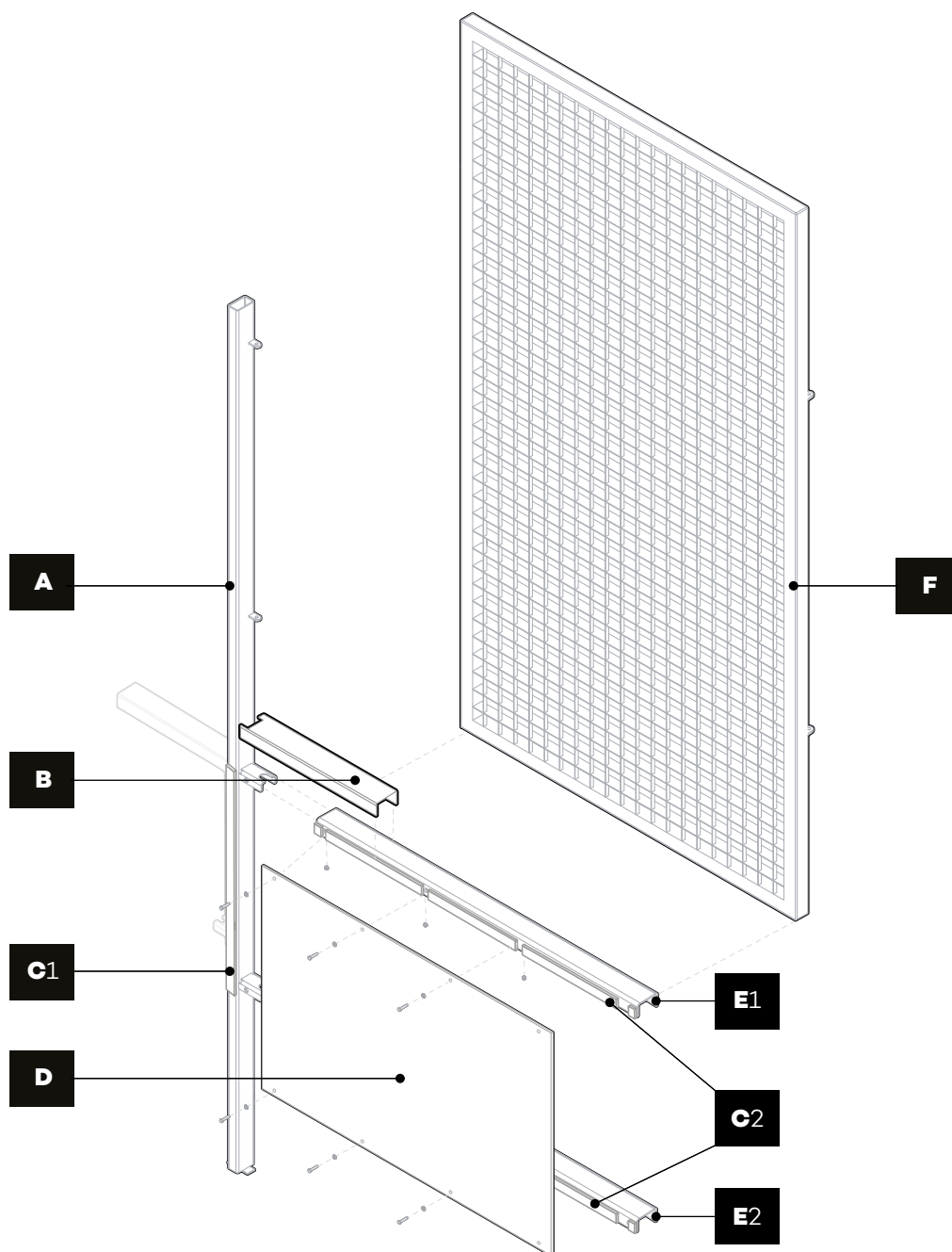
A



A.1

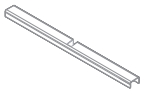






A 1	079 - 360	1 PCS
		
	Vertical member high	

B 1	079 - 302	1 PCS
		
	Cover	

+ 1	079 - 401	2 PCS
		
	Cover	

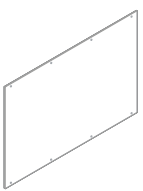
+ 2	100 - 281	4 PCS
		
	Washer M8	

	100 - 271	4 PCS
		
	Locknut M8	

	100 - 208	4 PCS
		
	Bolt M8x20mm secured	

C 1	100 - 401	1 PCS
		
	NPDM 25x2mm	

+ 2	100 - 405	1 PCS
		
	NPDM 10x4mm	

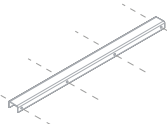
D 1	037 - 101	1 PCS
		
	HPL plate	

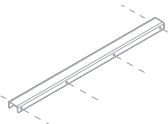
+ 2	100 - 211	2 PCS
		
	Bolt M8x30mm secured	

	100 - 281	2 PCS
		
	Washer M8	

	100 - 271	2 PCS
		
	Locknut M8	

4x

E 1	037 - 351	1 PCS
		
	Girder top	

2	037 - 341	1 PCS
		
	Girder bottom	

F 1	079 - 170	4 PCS
		
	Grid	

+ 2	100 - 281	2 PCS
		
	Washer M8	

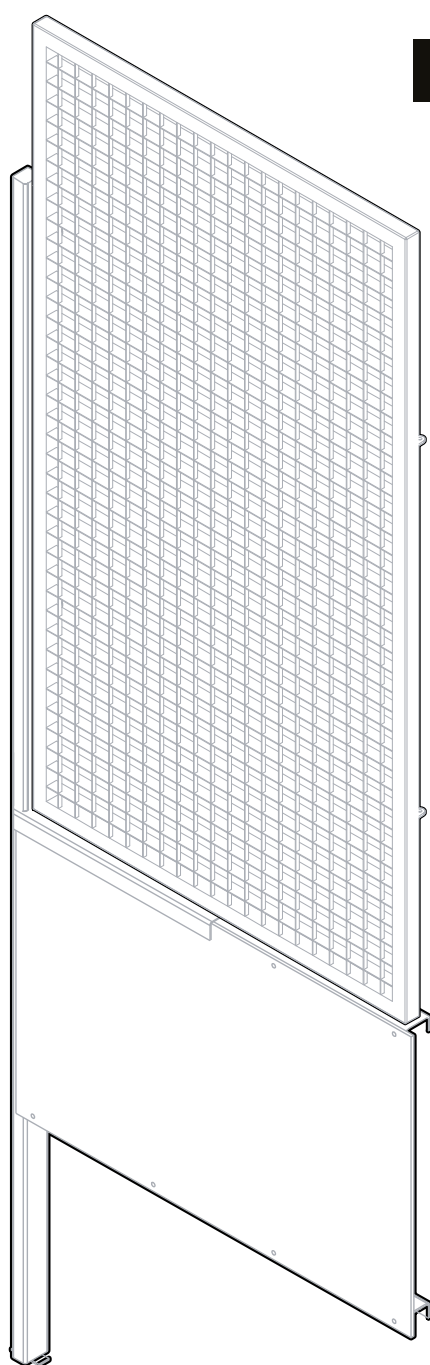
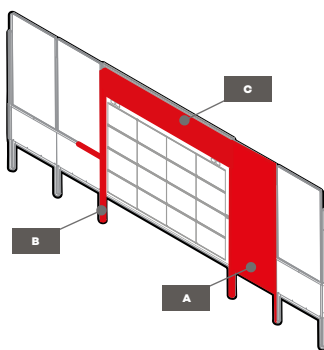
	100 - 271	2 PCS
		
	Locknut M8	

	100 - 208	2 PCS
		
	Bolt M8x20mm secured	

A

B

C



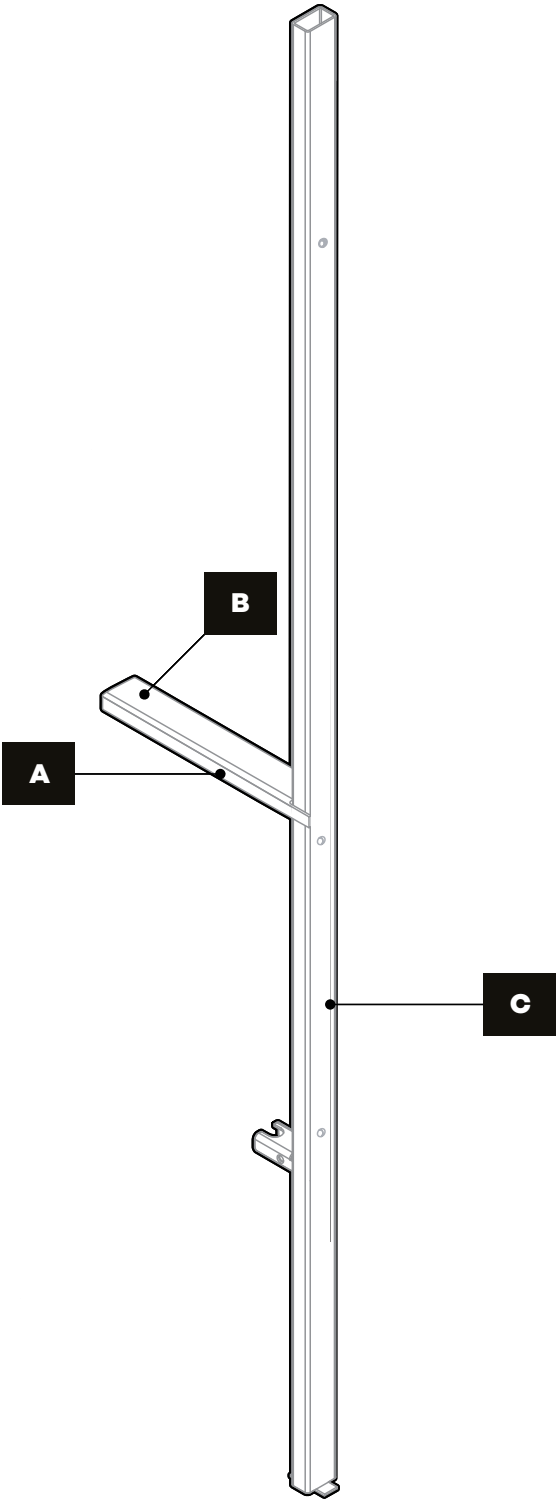
A . 3

+

079 - 360	1 PCS
Vertical member high	

079 - 302	1 PCS
Cover	

B



A	100 - 281	3 PCS
	Bolt M8x30mm secured	

B	079 - 402	1 PCS
	Cover	

C	079 - 835	1 PCS
	Vertical member high	

A

B

C

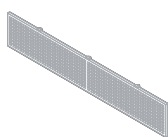
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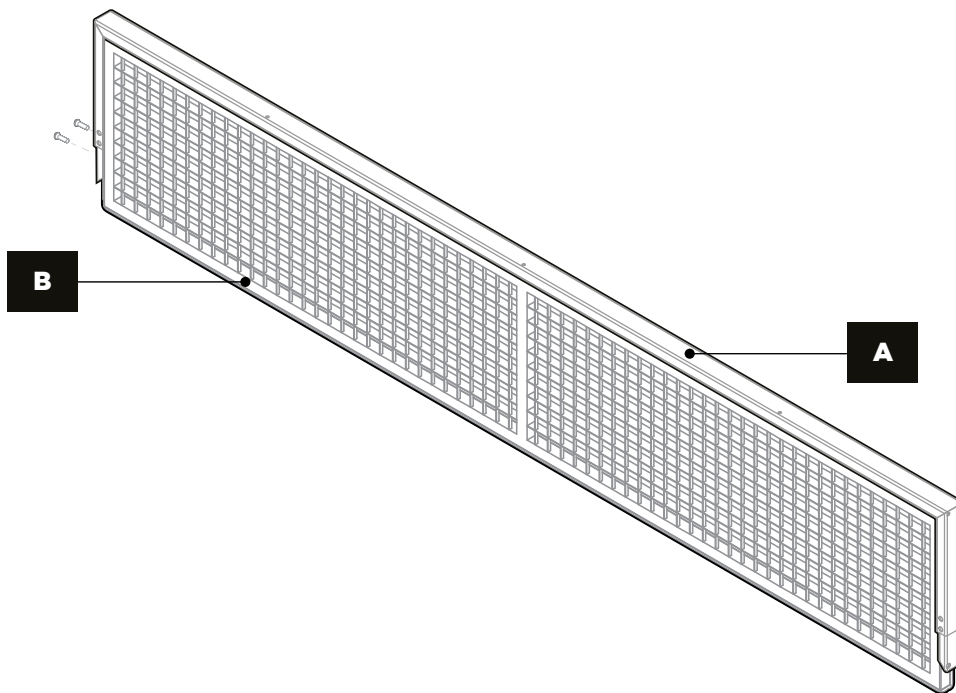
B

C

C

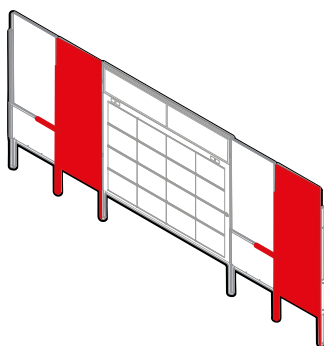
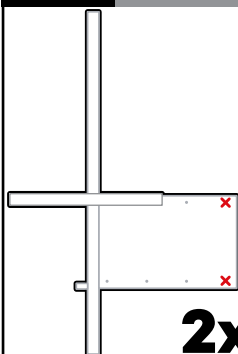
A	086 - 650	1 PCS	+	608.351.0625	3 PCS	100 - 281	3 PCS	100 - 271	3 PCS	100 - 211	4 PCS
											
	Frame cover Sutu			Bolt M8x60mm secured		Washer M8		Locknut M8		Bolt M8x30mm secured	

B	086 - 720	1 PCS	+	100 - 211	3 PCS	100 - 281	3 PCS					
												
	Top grid			Bolt M8x30mm secured		Washer M8						



A.5

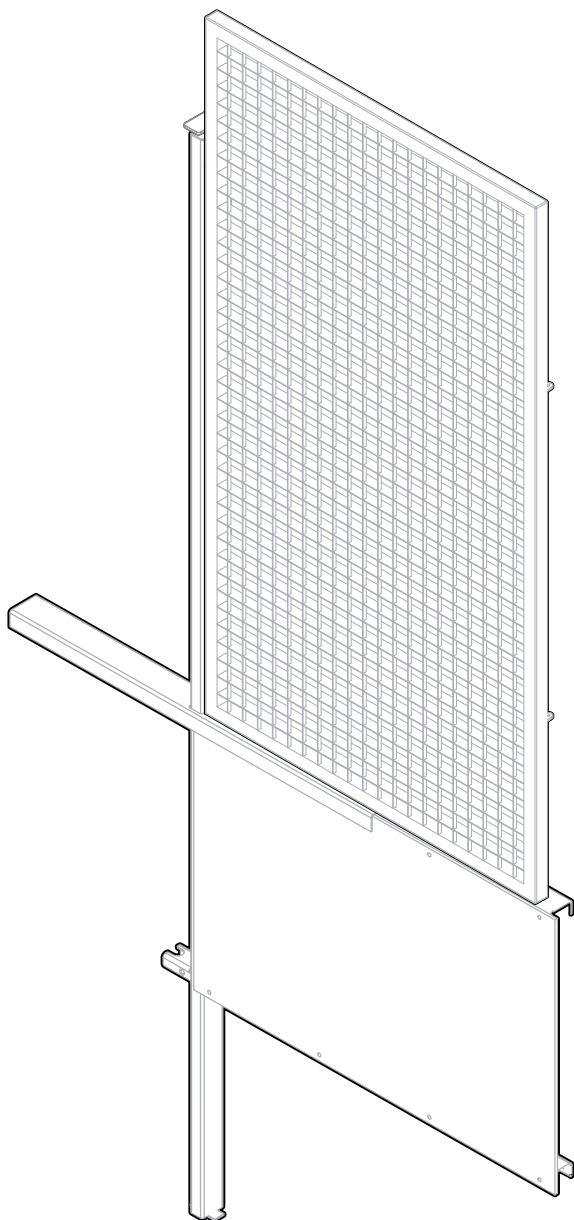
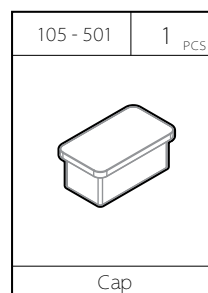
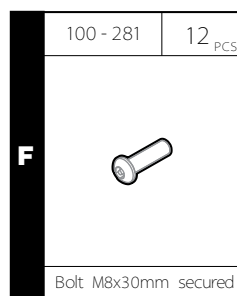
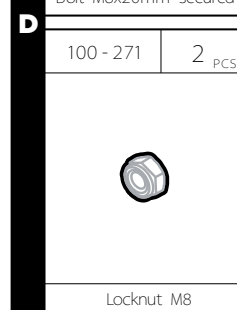
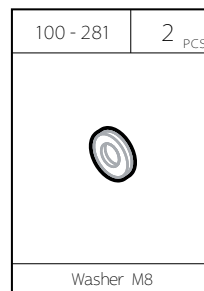
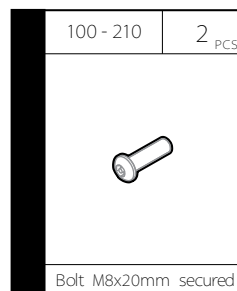
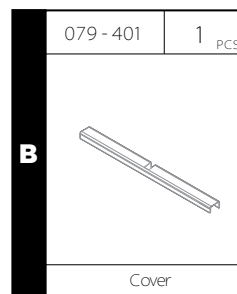
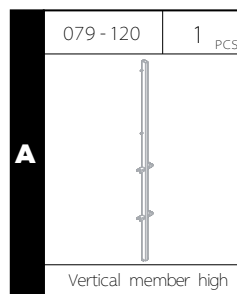
079-100



A.3

+

A



A

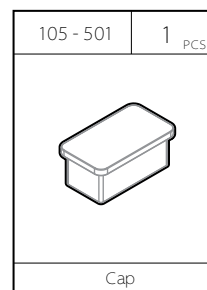
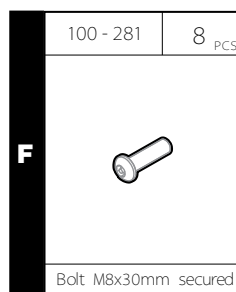
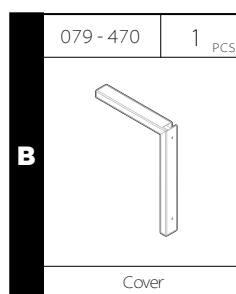
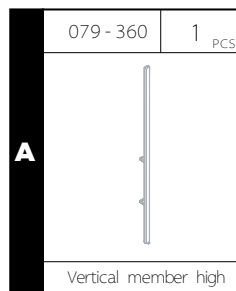
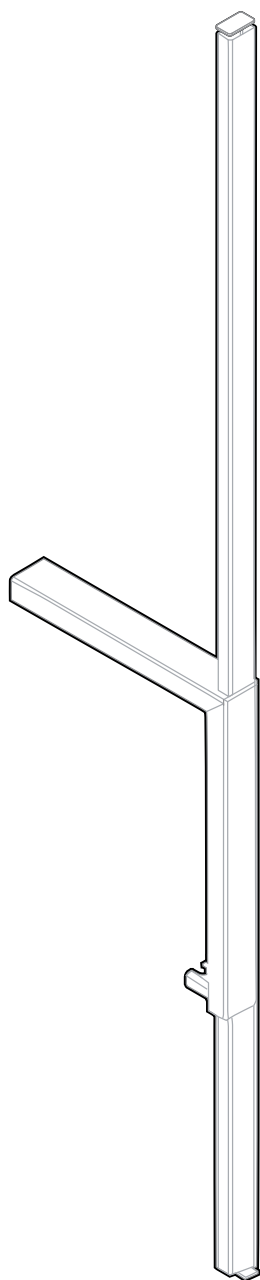
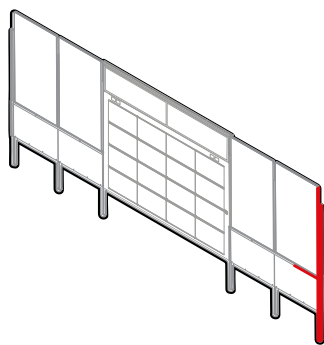
B

C

A

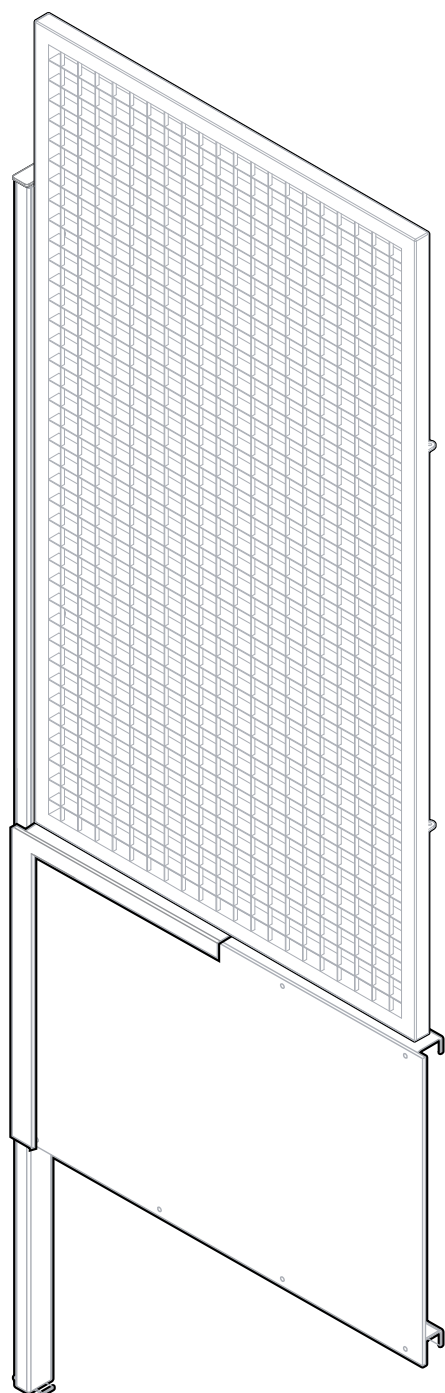
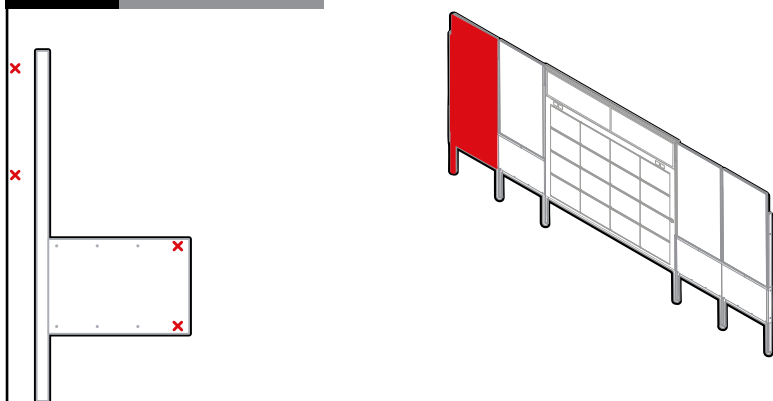
B

C



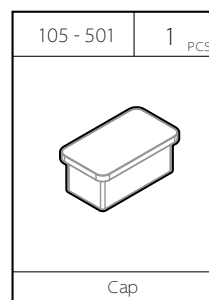
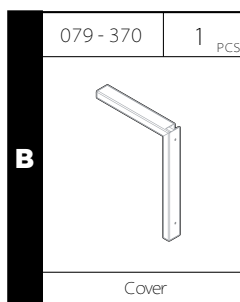
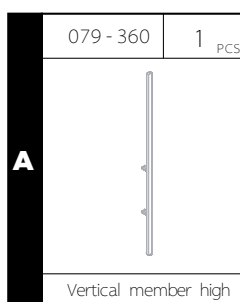
A.7

079-300



A.3

+



A

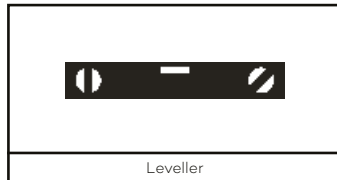
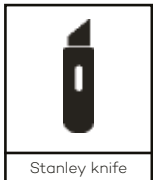
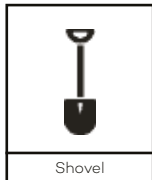
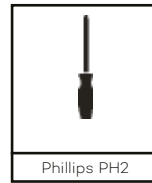
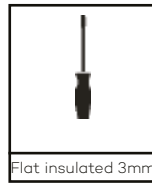
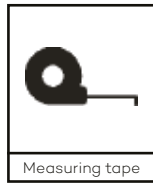
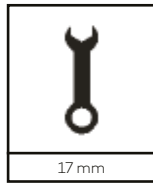
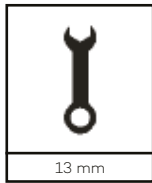
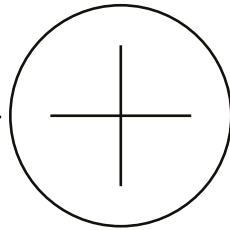
B

C

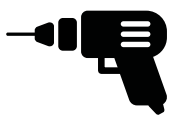
A

B

C



B

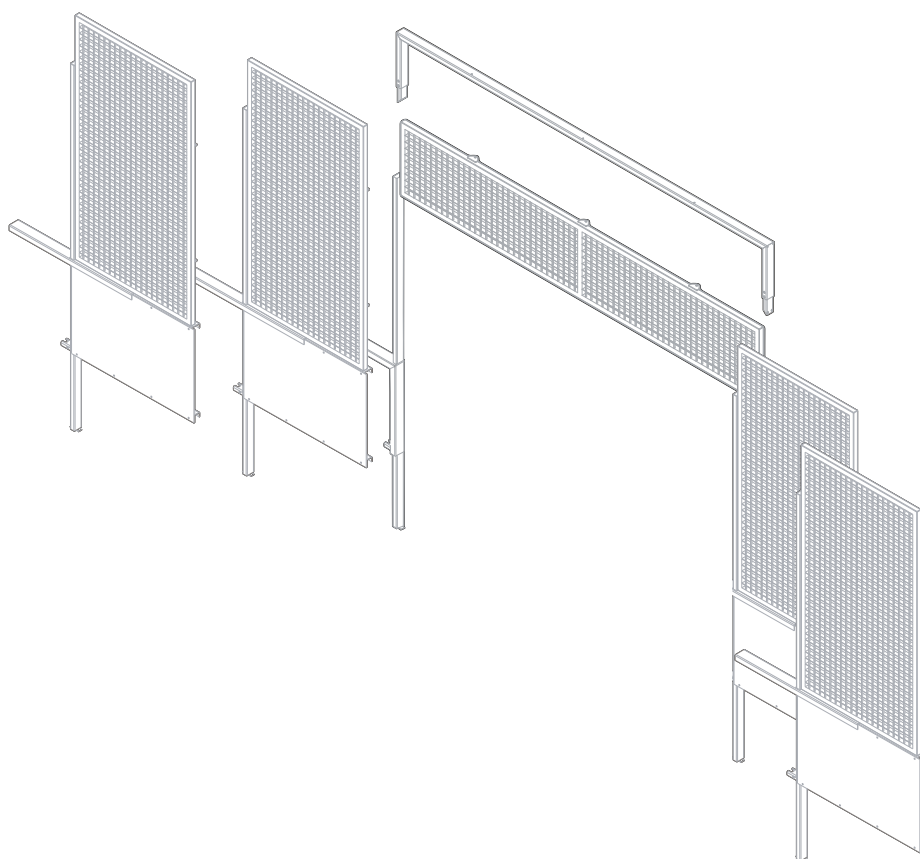
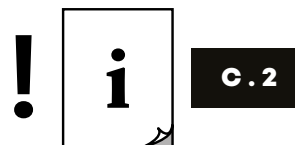


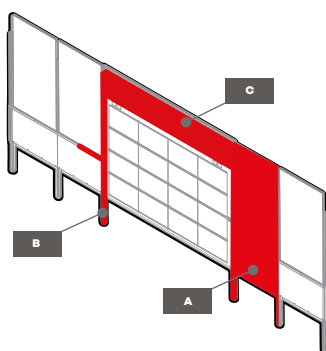
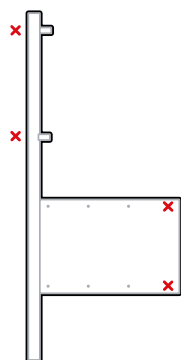
A

B

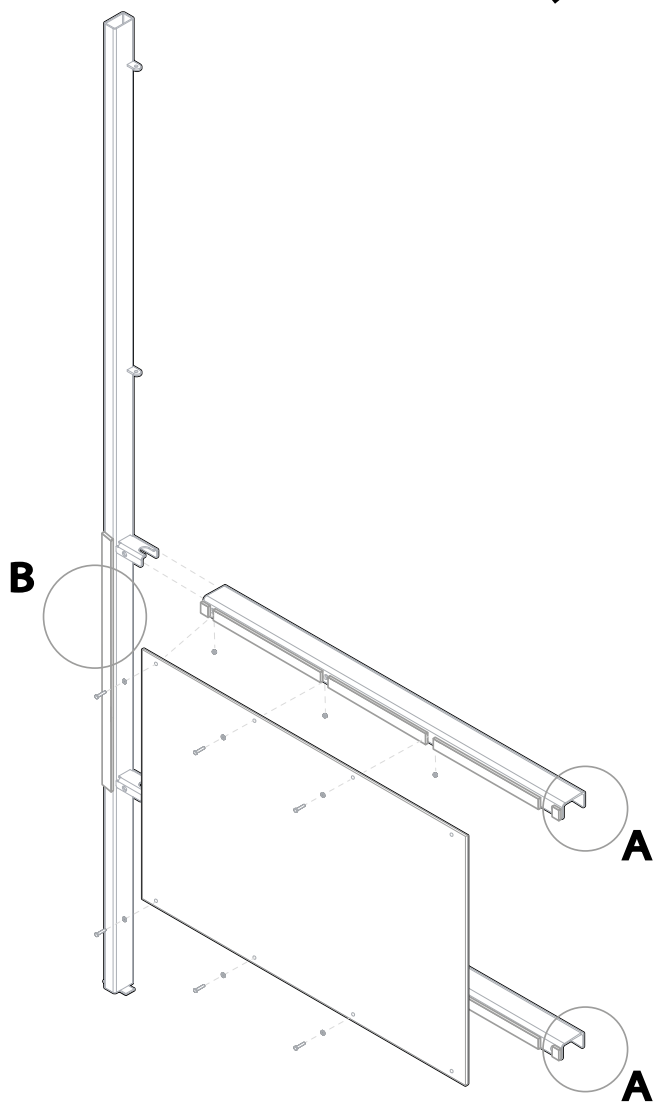
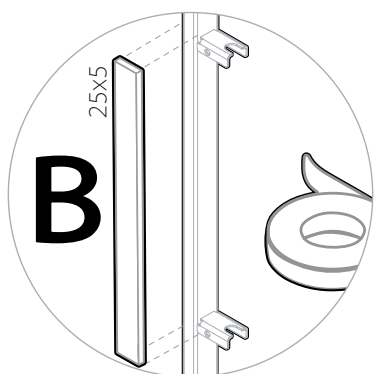
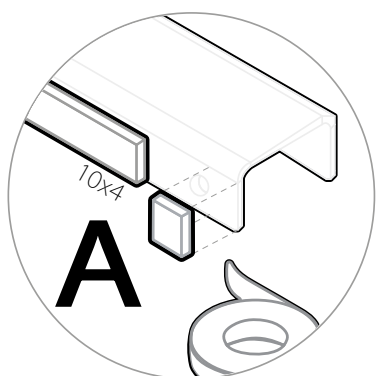
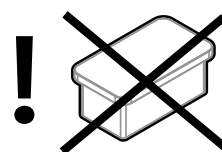
C

B.1



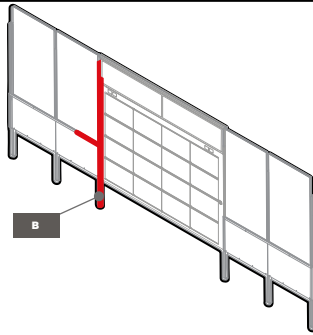


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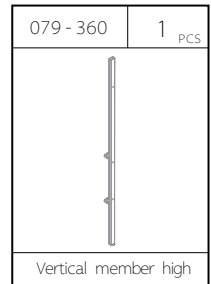
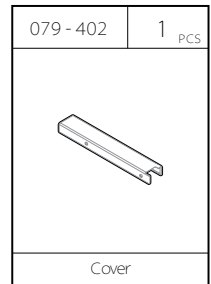
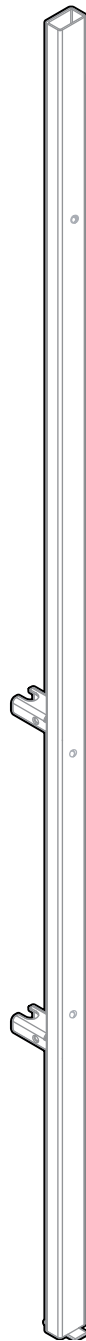


B.3

B



B



A

B

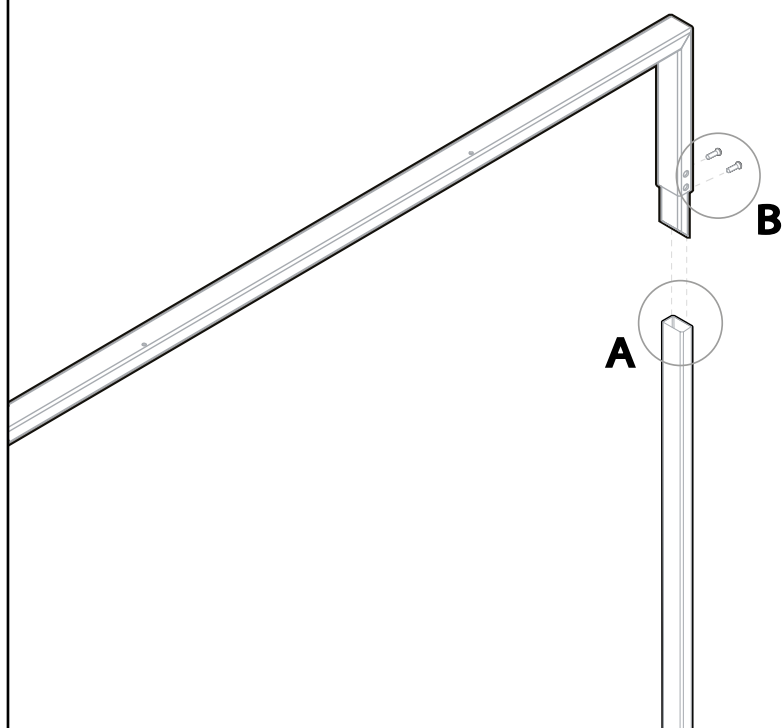
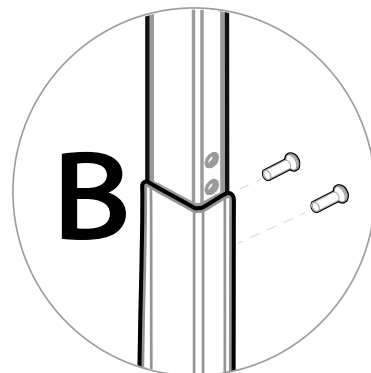
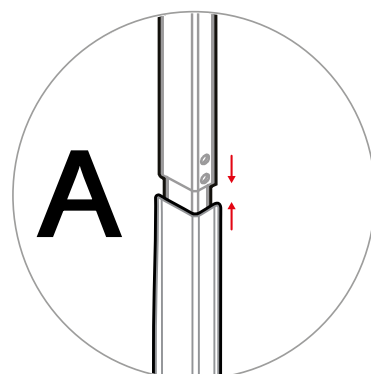
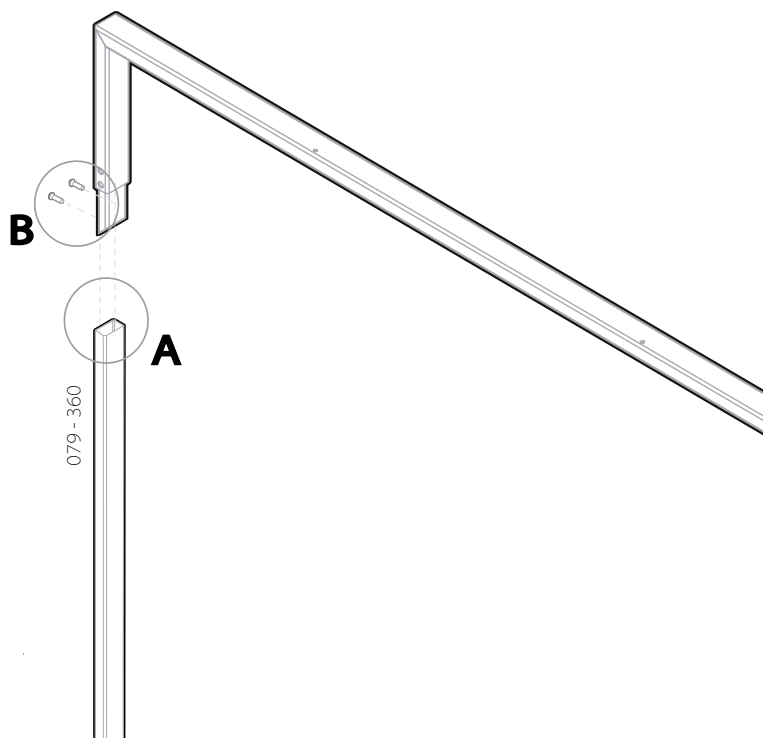
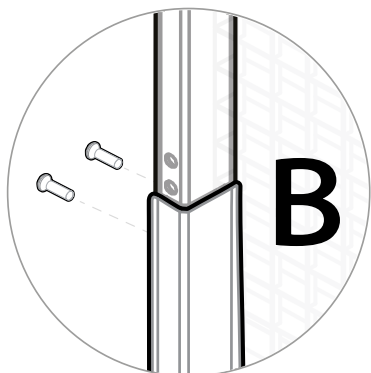
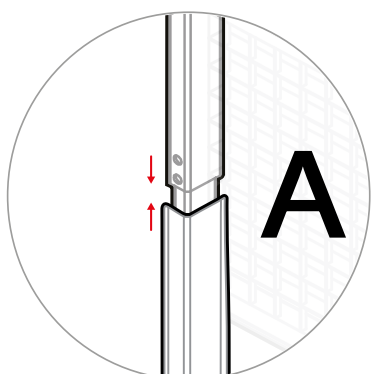
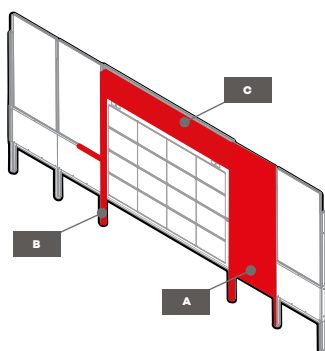
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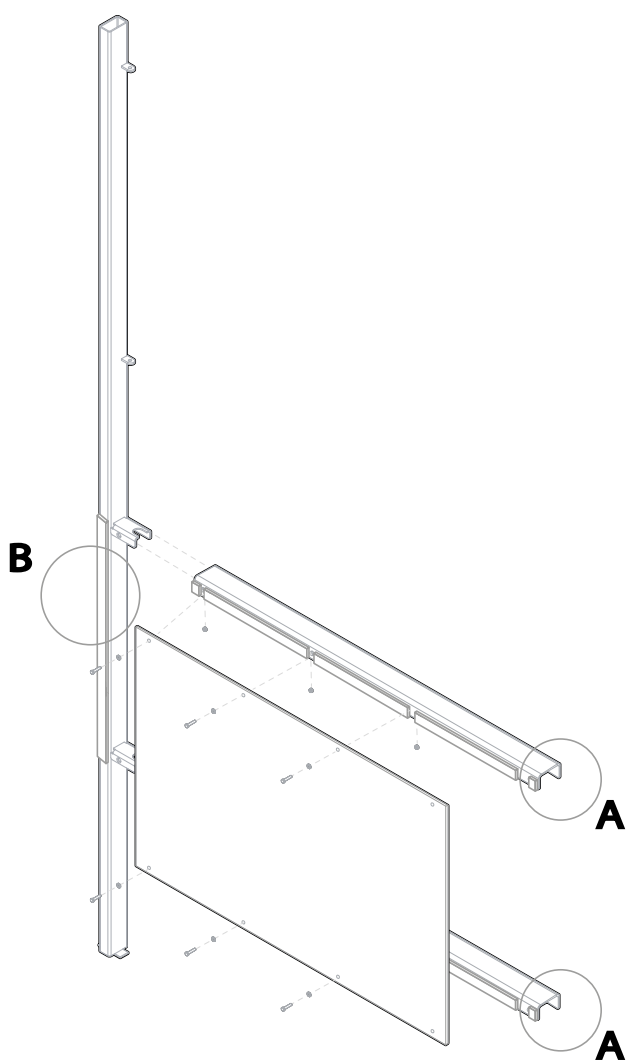
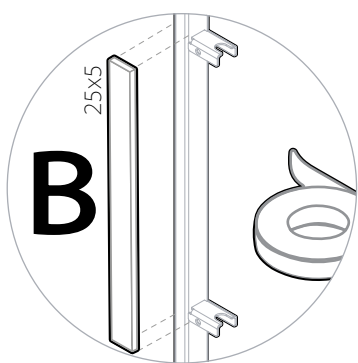
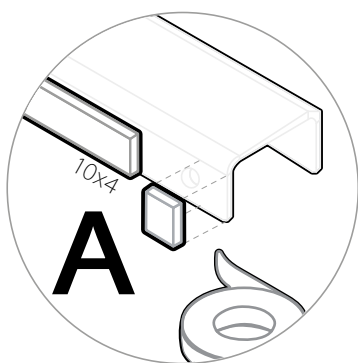
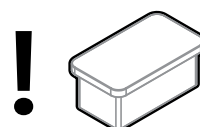
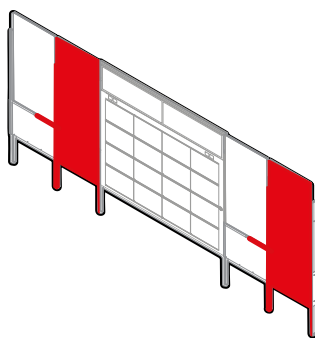
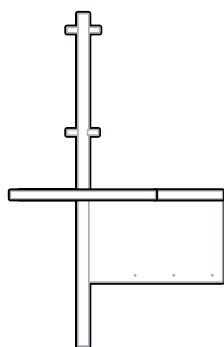
A

B

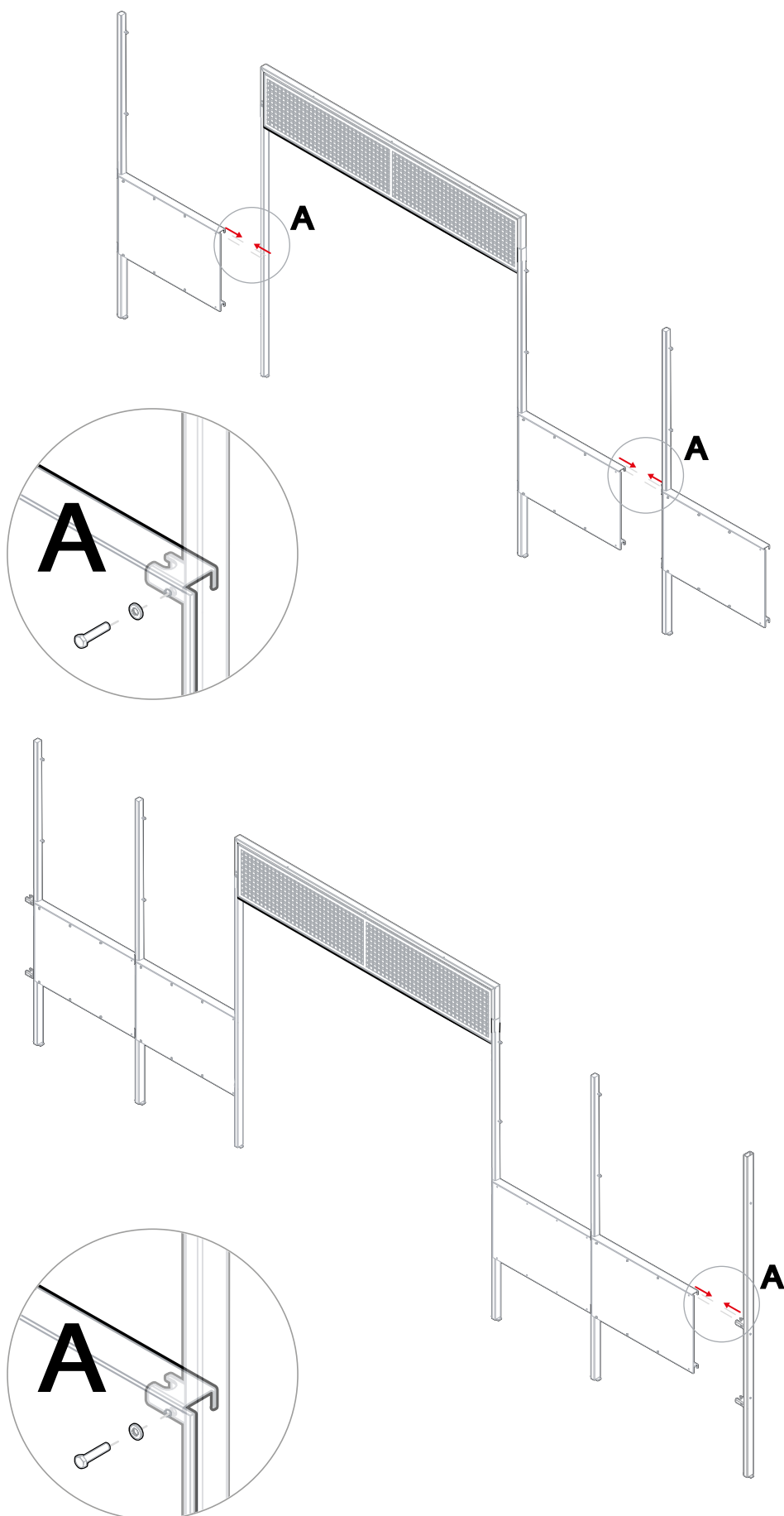
C

C





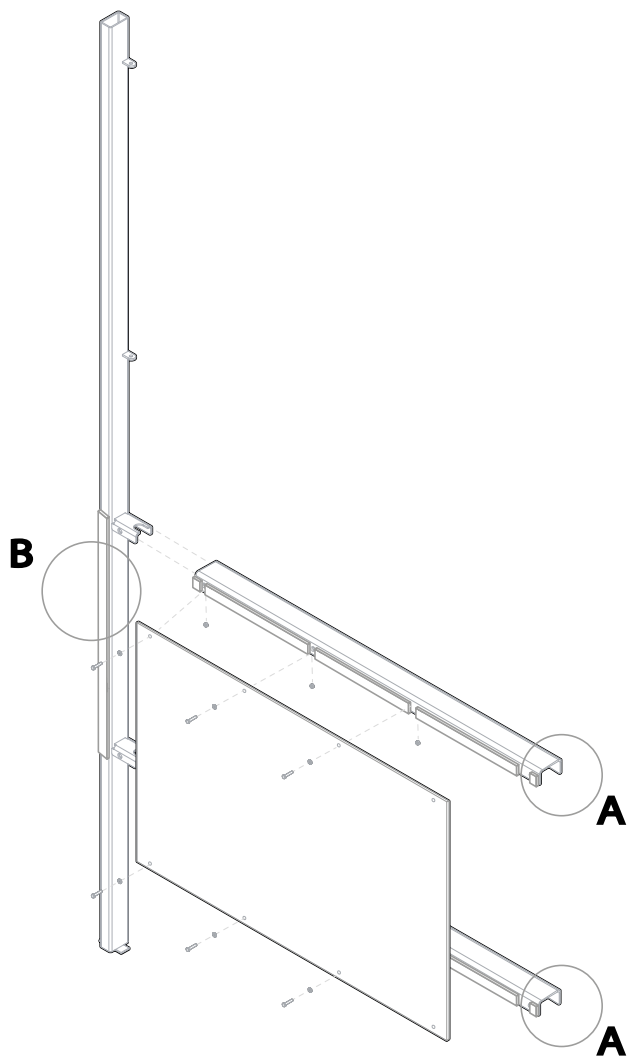
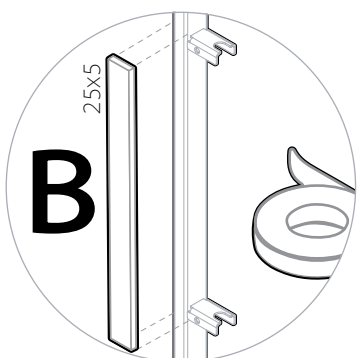
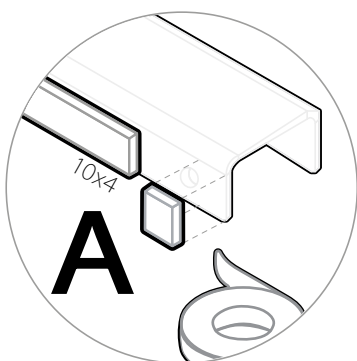
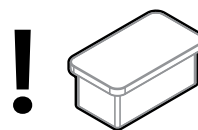
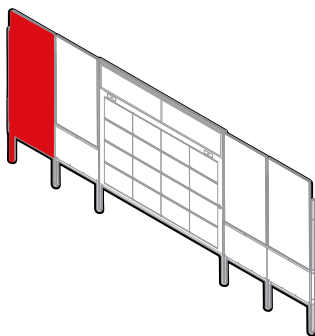
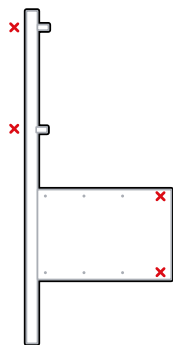
2x



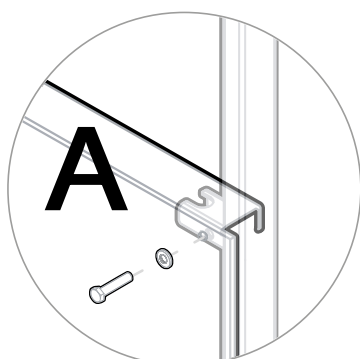
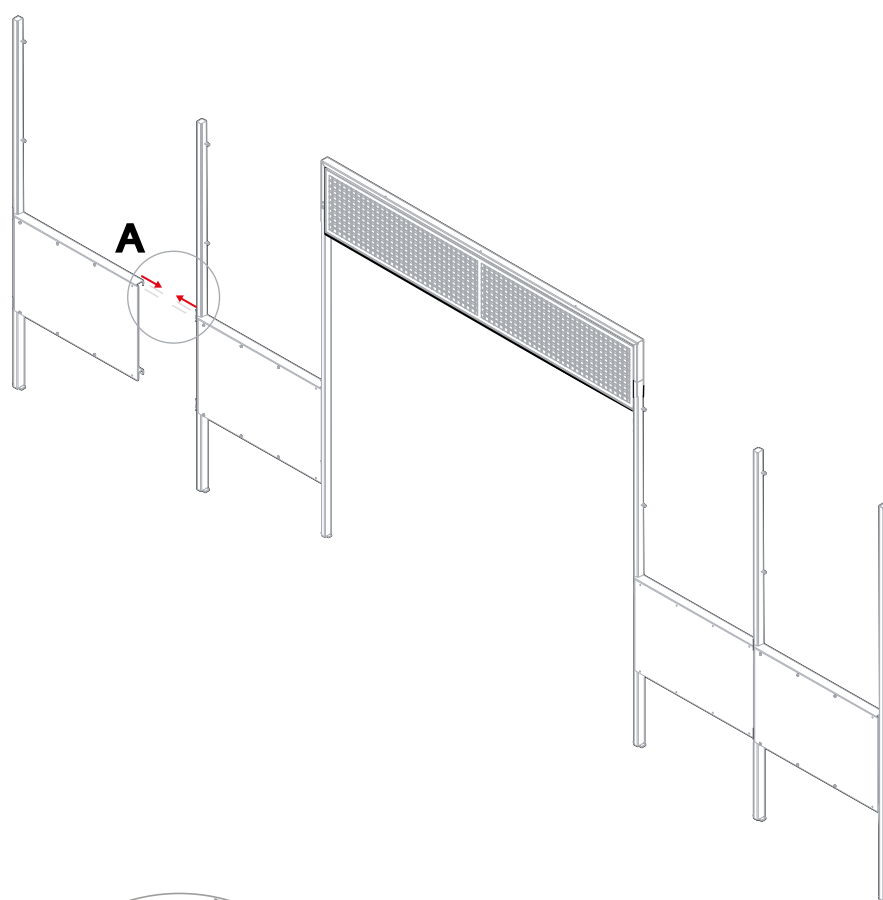
A

B

C



2x



A

B

C

B.10

B.11

B.12

B.13

B.13

B.14

B.11

B.11

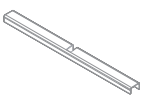
079 - 470	1 PCS
	
Cover	

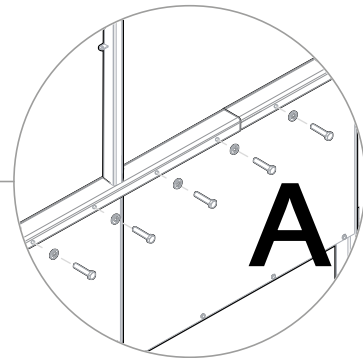
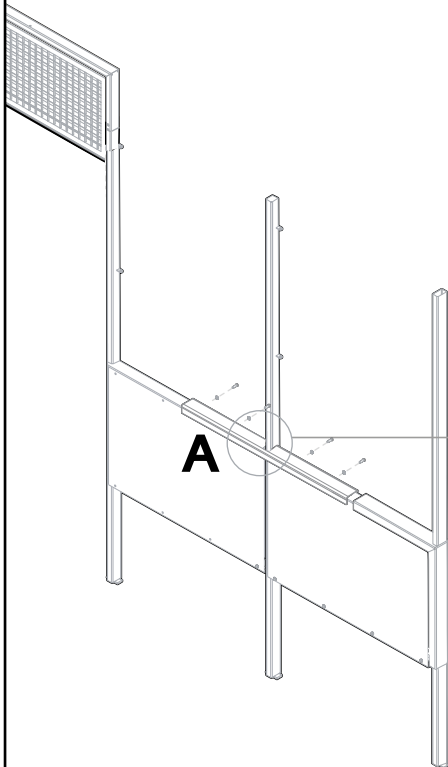
A

A

2x

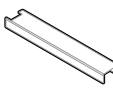
B.12

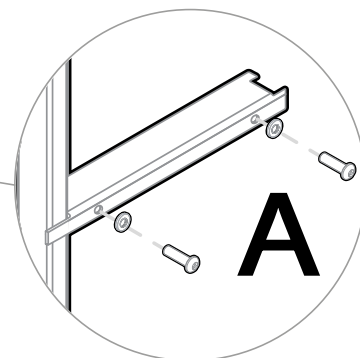
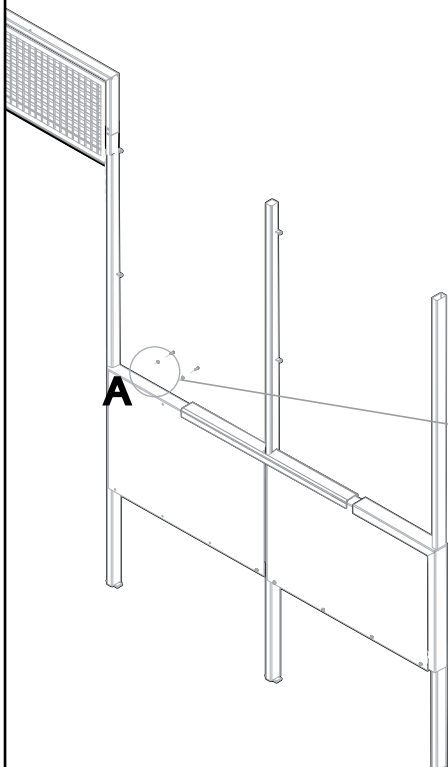
079 - 401	1 PCS
	
Cover	



2x

B.13

079 - 302	1 PCS
	
Cover	

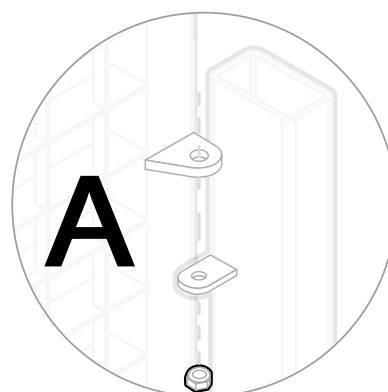
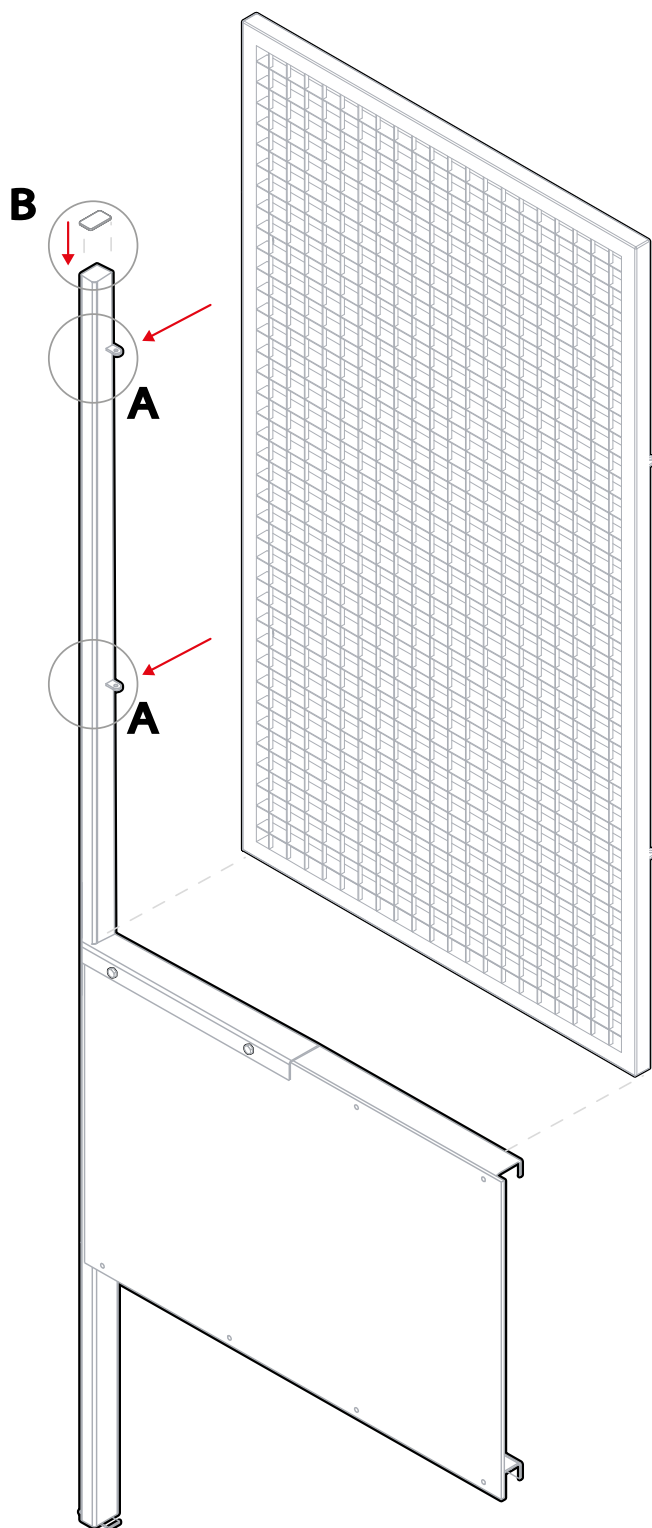
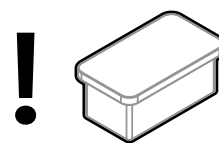


2x

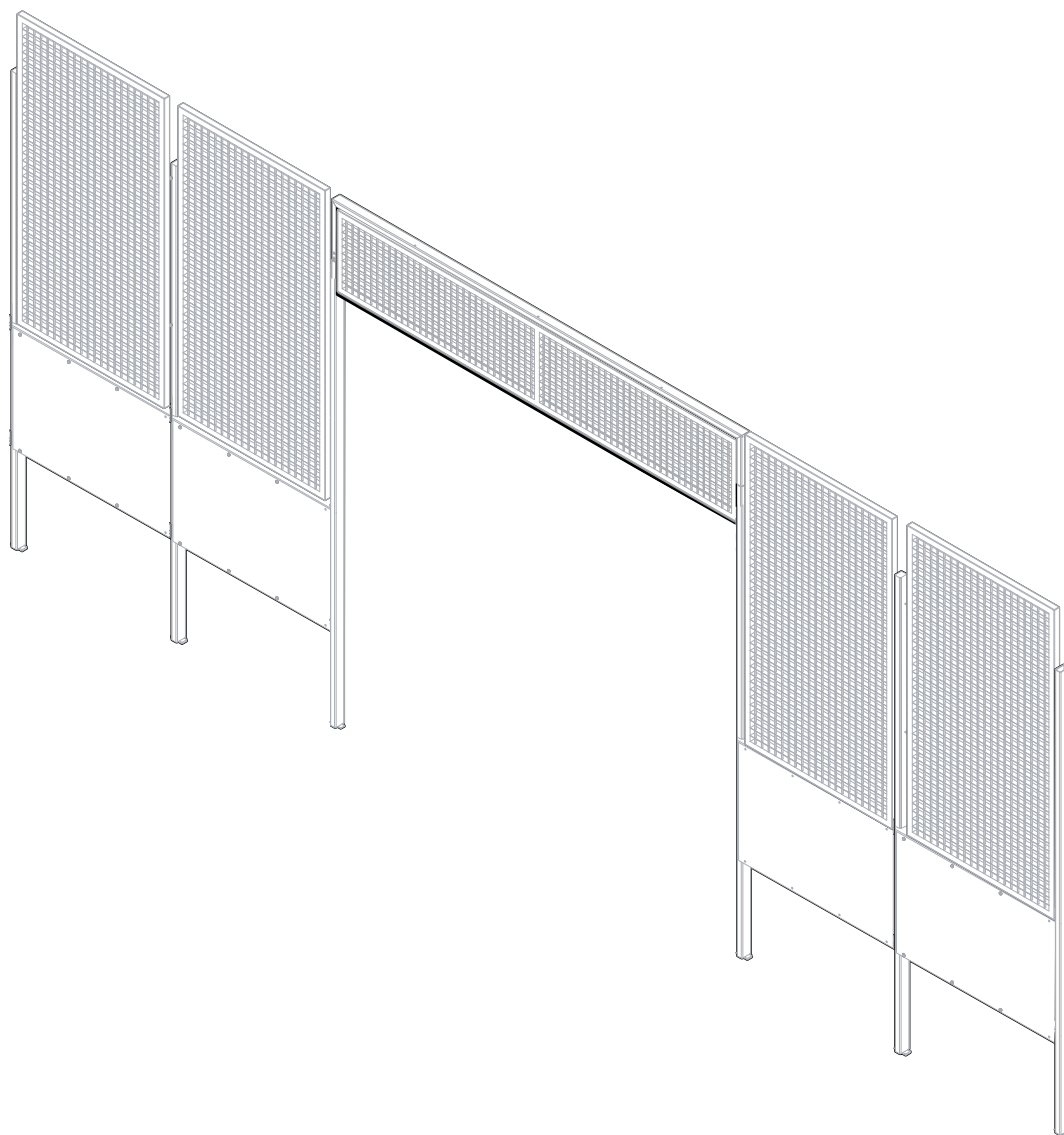
A

B

C



4x



A

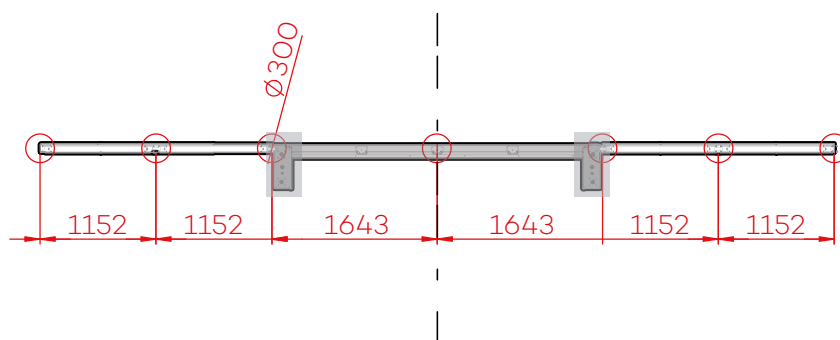
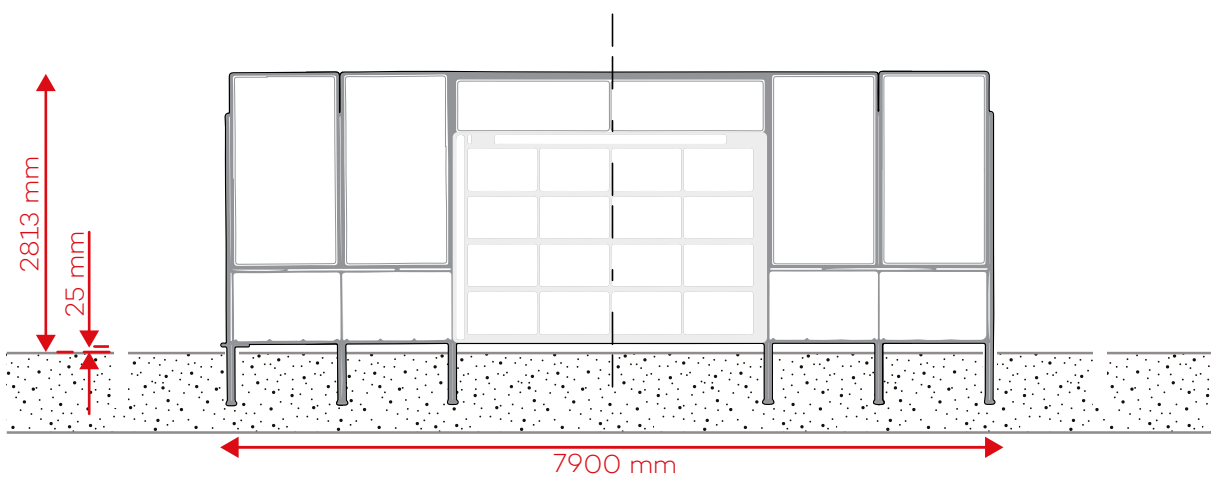
B

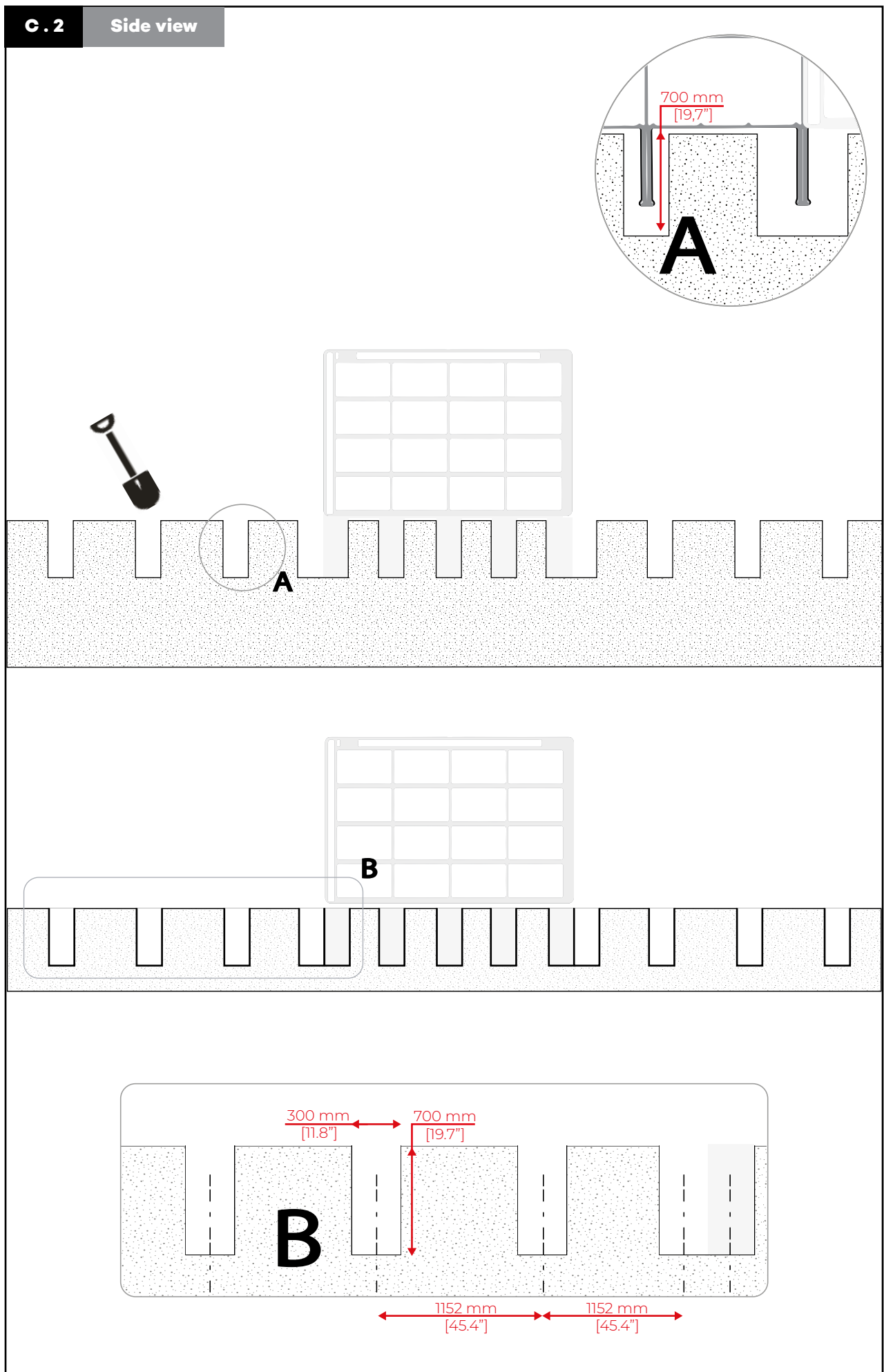
C

C



c.1



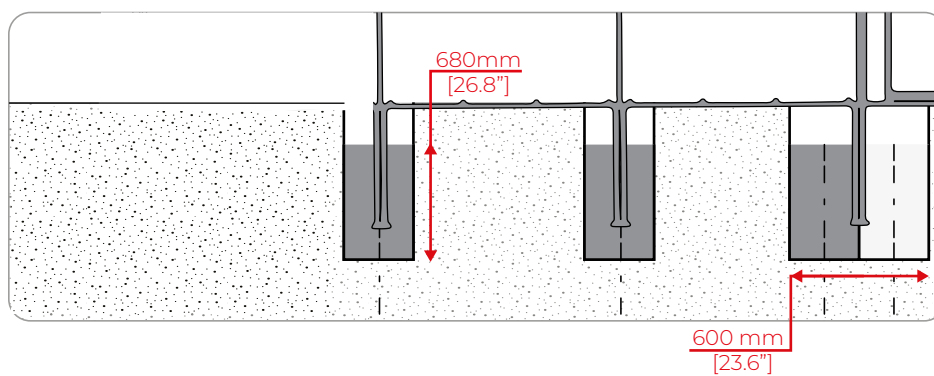
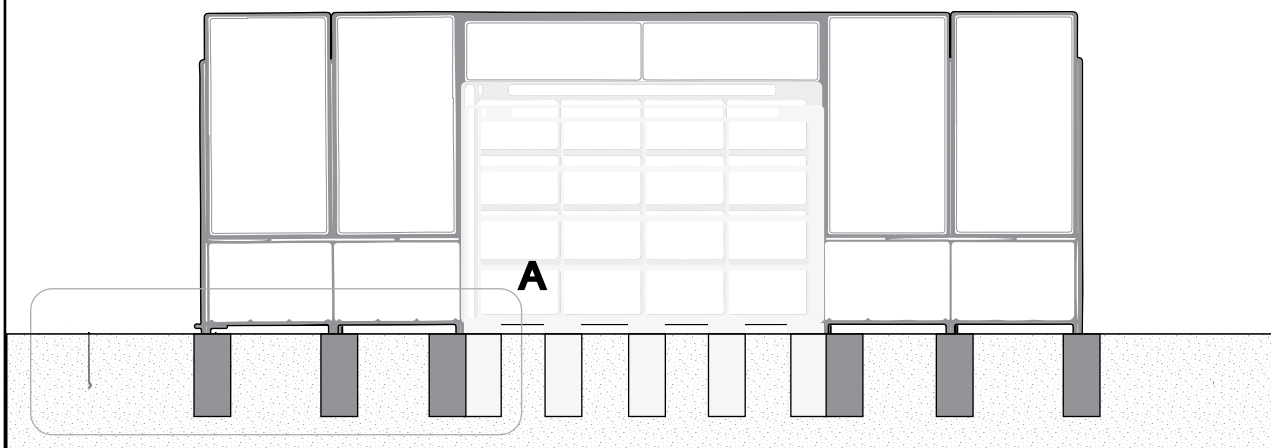
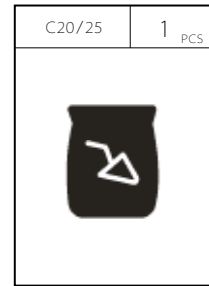
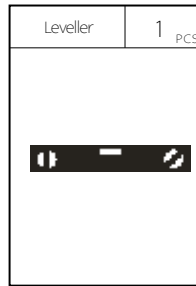


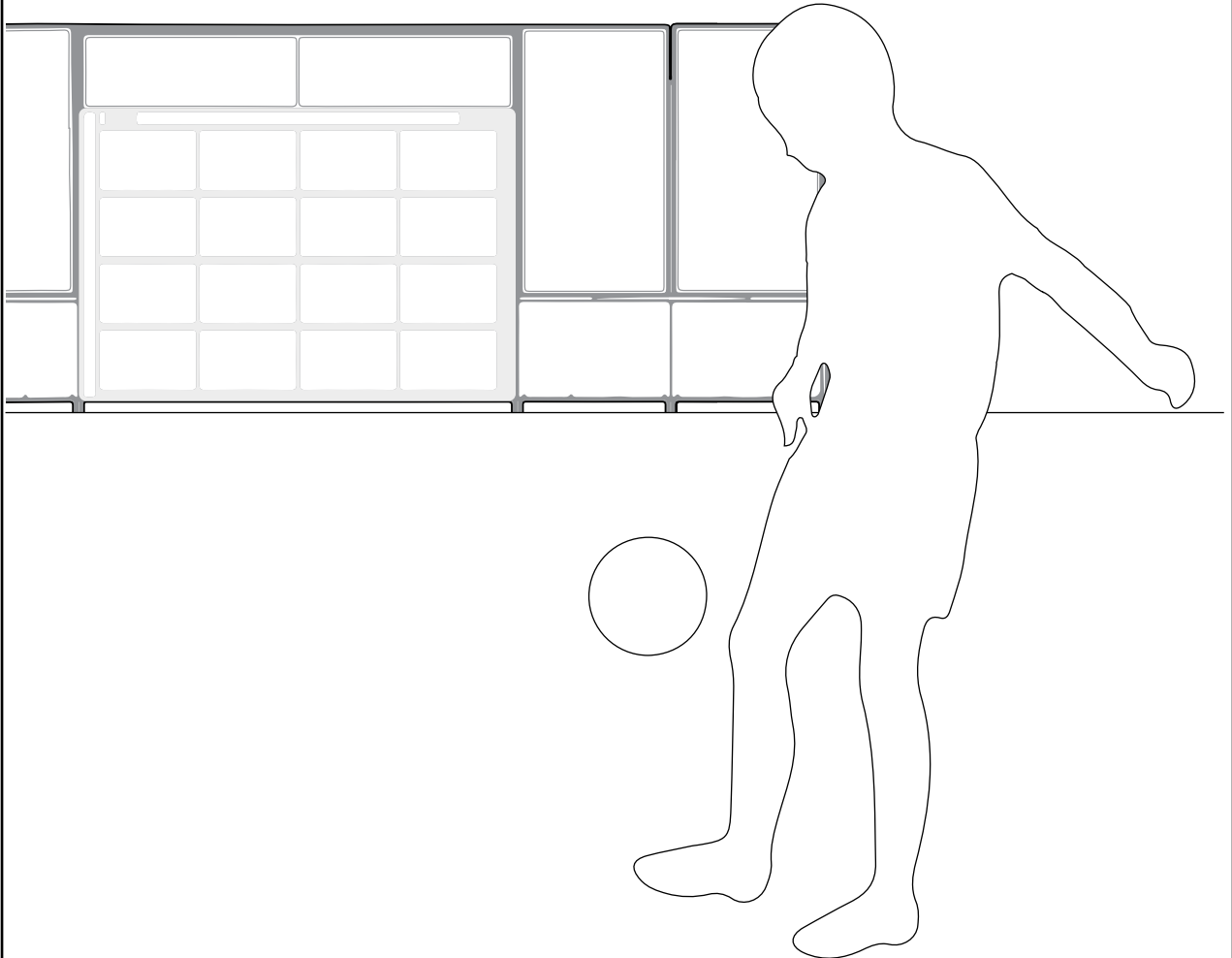
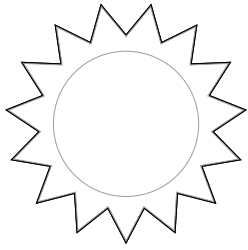
A

B

C

C.3 Concrete fill





DISCLAIMER

This installation manual is for informational purposes only. The products described herein may be changed without prior notice.

This installation manual does not provide information on all possible product variations or accidental occurrences that may arise during the installation, use, or maintenance of the product.

Lappset has made every effort to ensure that this installation manual is accurate.

Lappset accepts no liability for any inaccuracies or omissions in this installation manual.

Lappset makes no representations or warranties regarding this installation manual or the products described herein.

Lappset is not liable for any damage, loss, costs, or expenses, whether direct, indirect, or incidental,

arising from or related to the use of this installation manual or the products described herein.

If more information is desired, or if problems arise that are not adequately addressed, or if you find information in this installation manual that is incorrect, misleading, or incomplete, we would greatly appreciate your comments and suggestions.

WARNING Important information! Failing to read this document can lead to serious injury and/or damage to the product.

- Please read this installation manual carefully and completely before installing the product. Follow each installation step carefully. Use common sense in installing this product. Contact us if you are unsure about the installation. Keep this manual for future reference.

FEATURES AND PARTS

PRODUCT FEATURES

Description	Metric	Imperial
Model		
Model	Sutu boarding fence L	
Model No.	290351	
Country of Origin	Made in the Netherlands	
Transport		
Pallet Material	Pine wood	
Pallet Dimensions (L x W x H)	3.30 x 1.1 x 1.0 m	130 x 43 x 40 inches
Total Package Weight	535 kg	1180 lbs
Dimensions		
Installed Boarding (LxWxH)	7.95 x 2.81 x 0.1 m	313 x 111 x 4 inches
Weight		
Net Weight Boarding	485 kg	1070 1300 lbs

STANDARDS

Standards

Europe

EN

NL

DE

PARTS LIST

WARNING Never repair a defect without consulting Lappset.

WARNING Never replace parts with non-original Lappset parts. The Lappset product is certified as a complete product, where the parts have been carefully selected to ensure safety and quality.

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Number	Description	Quantity	Material	Finish
079-300		1		
037-341	Lower girder	1	Steel	Galvanized/powder coat
037-351	Upper girder	1	Steel	Galvanizing/powder coat
079-170	Grid	1	Steel	Galvanized
079-360	End post	1	Steel	Galvanized/powder coat
079-370	End cover	1	Steel	Galvanized/powder coat
037-101	HPL plate	1	HPL	-
100-501	Sealing cap	1	PA	-
100-401	Rubber NPDM 25x2 mm	3.3 m	EPDM	-
100-405	Rubber NPDM 10x4 mm	1.75 m	EPDM	-
100-211	Buttonhead M8 x 30	20	Stainless Steel	Lubocoat
100-208	Buttonhead M8 x 20	4	Stainless Steel	Dri Loc 2045
100-281 A2	Washer D125A M8	4	Stainless Steel	-
100-271 A2	Lock nut M8	4	Stainless Steel	-
079-100		2		
037-341	Lower girder	1	Steel	Galvanized/powder coat
037-351	Lower girder	1	Steel	Galvanized/powder coat
079-120	Middle post	1	Steel	Galvanized/powder coat
079-170	Grid	1	Steel	Galvanized
079-401	Cover	1	Steel	Galvanized/powder coat
037-101	HPL plate	1	HPL	-
100-501	Sealing cap	1	PA	-
100-401	Rubber EPDM 25x2 mm	3.3 m	EPDM	
100-405	Rubber EPDM 10x4 mm	1.75 m	EPDM	-
100-211	Button head M8 x 30	20	Stainless Steel	Lubocoat
100-208	Button head M8 x 20	4	Stainless Steel	Dri Loc 2045
100-281 A2	Washer D125A M8	4	Stainless Steel	-

100-271 A2	Lock nut M8	4	Stainless Steel	-
079-700		1		
037-341	Lower girder	1	Steel	Galvanized/powder coat
037-351	Upper girder	1	Steel	Galvanized/powder coat
079-170	Grid	1	Steel	Galvanized
079-302	Cover	1	Steel	Galvanized/powder coat
079-360	End post	1	Steel	Galvanized/powder coat
079-402	Cover	1	Steel	Galvanized/powder coat
079-835	End post	1	Steel	Galvanized/powder coat
086-650	Frame Sutu	1	Steel	Galvanized/powder coat
086-720	Ball catcher	1	Steel	Galvanized/powder coat
037-101	HPL plate	1	HPL	-
100-401	Rubber EPDM 25x2 mm	3.3 m	EPDM	-
100-405	Rubber EPDM 10x4 mm	1.75 m	EPDM	-
037-100	HPL plate	1	HPL	-
100-211	Button head M8 x 30	35	Stainless Steel	Lubocoat
100-208	Button M8 x 20	4	Stainless Steel	Dri Loc 2045
100-281 A2	Washer D125A M8	4	Stainless Steel	-
100-271 A2	Lock nut M8	4	Stainless Steel	-
079-400		1		
079-470	Corner cover	1	Steel	Galvanized/powder coat
079-835	End post	1	Steel	Galvanized/powder coat
100-501	Sealing cap	1	PA	-
100-405	Rubber	1.75 m	EPDM	-
100-211	Button head M8 x 30	4	Stainless Steel	Lubocoat

NOT INCLUDED MATERIALS

Description	Metric	Imperial
Wrench	13 mm	1/4

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Wrench	17 mm	11/16
Level		
Allen key T50		
Bit T50		
Shovel		
Tape Measure		
Cordless Drill		
Utility Knife		
<i>Ground Installation</i>		
Rapid drying concrete (C20/C25 ± 300 ltr (690 kg) EN -EN206-1/-8005)		1521 lbs
<i>Surface Installation</i>		
Hammer Drill	-	-
Chemical Anchor (4000N) e.g., M10 Hilti HIT 170 with 8.8 anchor M10 (in combination with C20/ C25 concrete)		-

A. PREPARATION

A.1 Transportation advice

WARNING Failing to take the proper precautions can result in accidents and/or damage.

WARNING Follow the manufacturer's safety instructions when using heavy equipment.

CAUTION Those who place or transport the product must wear the necessary safety clothing.

- Check the pallet for damage and/or loose parts before transportation. Report any damage or loose parts immediately to the supplier. The use of heavy equipment must be done by a certified individual. Always use the provided pallet and transportation materials for transport. Additional equipment may be needed to safely transport the product. Ensure that the material used can support the weight and size of the product. Unpack the product as close as possible to the final installation site to minimize damage during internal transport.

A.2 Dimensions of an Installed Boarding

A.3 General Assembly of a Building Element

- Note: This is only an example of assembly and serves as a general method for assembling the building elements. Further in the manual, each part of the building element is described separately.

CAUTION In this step, the elements B and F, mentioned in A.3 'General mounting example', are not yet installed. These elements will only be mounted at the end of the assembly, after all other parts have been connected.

CAUTION Those unpacking the product must wear the required protection and clothing.

CAUTION Do not unpack the product before it has arrived at the final installation site to prevent damage.

- Use a forklift or similar, to load and unload the pallets. Check the product for damage and missing parts during unpacking. Reuse and recycle the packaging material appropriately.

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A.4 to A.7 show the parts out of which the various building blocks consist and where these blocks are located in the assembly after installation.

WARNING Assembly is only possible if the surface consists of at least 15 cm of good quality concrete.

B. GROUND INSTALLATION

NOTICE Ensure that all preparations have been made as described in Chapter A.

NOTICE Before starting the assembly of all parts, carry out step C.2 of this manual and prepare the groundwork!!

B.1 Assembly overview.

B.2 If necessary, degrease the metal parts and apply double-sided tape. Place the narrow tape (10x4) on the horizontal supports and the wider tape (25x5) on the uprights. Install 6 of the 8 assembly bolts as shown in the image. The last 2 bolts are applied when coupling the building blocks. Note: do not yet place end caps on these uprights!

B.3 Mount the upright to the already placed Sutu.

B.4 Connect the uprights at the top by mounting the horizontal bracket.

B.5 Place the grille in this building block in advance.

B.6 Assemble all building blocks. Ensure that end caps are placed on the uprights here.

B.7 Couple all loose building blocks.

B.10 After all building blocks are coupled, apply the covers. Ensure that the seams are evenly distributed and of equal size.

CAUTION Tighten bolts carefully to prevent damaging the paint.

B.14 Place grilles. Carefully hang the grilles to prevent damage to the paint. Place protective materials, such as cardboard or similar, between the grilles and the covers before placing the grilles.

C. STRUCTURAL ASSEMBLY

NOTICE Ensure that all preparations have been made as described in Chapter A.

C.1 Mark all the center dimensions on the ground, as shown.

C.2 Dig the holes for the concrete foundation according to the exact dimensions indicated in the images. Then place all the uprights of the building blocks in the dug holes and couple the building blocks.

C.3 Ensure that all uprights are completely level. If necessary, use additional support materials such as slats and clamps to keep the uprights in place. Once the uprights are correctly positioned, fill the holes with C20/25 concrete to the specified height.

C.4 Fill the remaining space with sand or soil, depending on the desired finish of the terrain. Allow the concrete to cure for at least one day before using the Sutu.

SUPPORT

For questions, comments, or assistance, you can always contact the headquarters of Lappset.

Lappset

Nieuwenkampsmaten 12

7472 DE Goor

Netherlands

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support@lappset.com

DISPOSAL

If you need help disposing of the product, please contact us to inquire about our services and potential costs.

EN

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RECYCLING

Ensure that all parts of the product are disposed of wisely and correctly. To recycle this product, you can contact us to return the product. We will then recycle the used product in a manner that complies with our sustainability guidelines.

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DISCLAIMER NEEDS TO BE UPDATED: NOT CORRECT VERSION YET

Deze installatiehandleiding is enkel bedoeld voor informatieve doeleinden. De producten die erin worden beschreven kunnen zonder voorafgaande kennisgeving worden gewijzigd.

Deze installatiehandleiding voorziet niet in informatie omtrent alle mogelijke productvarianties of eventuele toevalligheden die tijdens de installatie, het gebruik of het onderhoud van het product kunnen voorvallen.

Lappset heeft er alles aan gedaan om ervoor te zorgen dat deze installatiehandleiding correct is.

Lappset aanvaardt geen aansprakelijkheid voor eventuele onjuistheden of weglatingen in deze installatiehandleiding.

Lappset geeft geen verklaringen of garanties met betrekking tot deze installatiehandleiding of met betrekking tot de hierin beschreven producten.

Lappset is niet aansprakelijk voor schade, verlies, kosten of uitgaven, direct, indirect of incidenteel voortvloeiend uit of verband houdend met het

gebruik van deze installatiehandleiding of de hierin beschreven producten.

Als meer informatie gewenst is, of als er zich problemen voordoen die niet voldoende worden behandeld, of als u informatie in deze installatiehandleiding vindt die onjuist, misleidend of onvolledig is, dan stellen wij uw opmerkingen en suggesties zeer op prijs.

WARNING Belangrijke informatie! Het niet doorlezen van dit document kan leiden tot serieus letsel en/of schade aan het product.

- Lees deze installatiehandleiding zorgvuldig en volledig door alvorens je het product installeert
- Volg elke installatiestap zorgvuldig op
- Gebruik gezond verstand bij de installatie van dit product
- Neem contact met ons op als je twijfelt over de installatie
- Bewaar deze handleiding voor eventueel later gebruik

EIGENSCHAPPEN EN ONDERDELEN**PRODUCTEIGENSCHAPPEN**

Omschrijving	Metrisch	Imperiaal
Model		
Model	Sutu boarding fence L	
Model nr.	290351	
Land van herkomst	Made in the Netherlands	
Transport		
Pallet materiaal	Vurenhout	
Pallet afmetingen (L x B x H)	3.30 x 1.1 x 1.0 m	130 x 43 x 40"
Gewicht totaal pakket	535 kg	1180lbs
Afmetingen		
Geïnstalleerde boarding (LxBxH)	7.95 x 2.81 x 0.1 m	313 x 111 x 4"
Gewicht		
Netto gewicht boarding	485 kg	1070 lbs

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NORMEN

Normen

Europa

NEN-EN 1176:2019

CE

ONDERDELENLIJST

WARNING Repareer nooit een defect zonder Lappset te raadplegen.

WARNING Vervang nooit onderdelen voor niet-originele Lappset onderdelen. Het Lappset product is gekeurd als totaal product, waarbij zorgvuldig de onderdelen zijn uitgekozen om veiligheid en kwaliteit te waarborgen.

Nummer	Omschrijving	Aantal	Materiaal	Afwerking
079-300		1		
037-341	Onder ligger	1	Staal	Verzinkt/poedercoat
037-351	Boven ligger	1	Staal	Verzinkt/poedercoat
079-170	Rooster	1	Staal	Verzinken
079-360	Eindstaander	1	Staal	Verzinkt/poedercoat
079-370	Eindafdekker	1	Staal	Verzinkt/poedercoat
037-101	HPL plaat	1	HPL	
100-501	Afdichtingsdop	1	PA	
100-401	Rubber 25x2 mm	3.3 m	EPDM	
100-405	Rubber 10x4 mm	1.75 m	EPDM	
100-211	Bolkop M8 x 30	20	RVS	Lubocoat
100-208	Bolkop M8 x 20	4	RVS	Dri Loc 2045
100-281 A2	Ring D125A M8	4	RVS	
100-271 A2	Zelfb. moer M8	4	RVS	
079-100		2		
037-341	Onder ligger	1	Staal	Verzinkt/poedercoat
037-351	Boven ligger	1	Staal	Verzinkt/poedercoat
079-120	Middenstaander	1	Staal	Verzinkt/poedercoat
079-170	Rooster	1	Staal	Verzinken
079-401	Afdekker	1	Staal	Verzinkt/poedercoat
037-101	HPL plaat	1	HPL	
100-501	Afdichtingsdop	1	PA	
100-401	Rubber 25x2 mm	3.3 m	EPDM	

100-405	Rubber 10x4 mm	1.75 m	EPDM	
100-211	Bolkop M8 x 30	20	RVS	Lubocoat
100-208	Bolkop M8 x 20	4	RVS	Dri Loc 2045
100-281 A2	Ring D125A M8	4	RVS	
100-271 A2	Zelfb. moer M8	4	RVS	

079-700		1		
037-341	Onder ligger	1	Staal	Verzinkt/poedercoat
037-351	Boven ligger	1	Staal	Verzinkt/poedercoat
079-170	Rooster	1	Staal	Verzinkt
079-302	Afdekker	1	Staal	Verzinkt/poedercoat
079-360	Eindstaander	1	Staal	Verzinkt/poedercoat
079-402	Afdekker	1	Staal	Verzinkt/poedercoat
079-835	Eindstaander	1	Staal	Verzinkt/poedercoat
086-650	Frame Sutu	1	Staal	Verzinkt/poedercoat
086-720	Ballenvanger	1	Staal	Verzinkt
037-101	HPL plaat	1	HPL	
100-401	Rubber 25x2 mm	3.3 m	EPDM	
100-405	Rubber 10x4 mm	1.75 m	EPDM	
037-100	HPL plaat	1	HPL	
100-211	Bolkop M8 x 30	35	RVS	Lubocoat
100-208	Bolkop M8 x 20	4	RVS	Dri Loc 2045
100-281 A2	Ring D125A M8	4	RVS	
100-271 A2	Zelfb. moer M8	4	RVS	

079-400		1		
079-470	Hoek afdekker	1	Staal	
079-835	Eindstaander	1	Staal	
100-501	Afdichtingsdop	1	PA	
100-405	Rubber	1.75 m	EPDM	
100-211	Bolkop M8 x 30	4	RVS	Lubocoat

NIET MEEGELEVERDE MATERIALEN

Omschrijving	Metrisch	Imperiaal
Moersleutel	13 mm	1/4
Moersleutel	17 mm	11/16

EN

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Waterpas		
Stiftsleutel T50		
Bit T50		
Schop		
Rolmaat		
Accu schroevendraaier		
Stanley mes		
Grondmontage		
Sneldrogend beton (C20/C25 NEN -EN206-1/-8005)	± 300 ltr (690 kg)	1521 lbs
Opbouw montage		
Klopboor	-	-
Chemisch anker (4000N) bijv. Hilti HIT 170 met 8.8 anker M10 (in combinatie met > C20/C25 beton)	M10	-

A. VOORBEREIDING

A.1 Advies voor transport

WARNING Het niet treffen van de juiste voorzorgsmaatregelen kan ongelukken en/of schade tot gevolg hebben.

WARNING Volg bij het gebruik van zware apparatuur de veiligheidsinstructies van de fabrikant.

CAUTION Diegenen die het product plaatsen of vervoeren dienen de benodigde veiligheidskleding te dragen.

- Controleer voor transport de pallet op schade en/of losse onderdelen. Meld schade of losse onderdelen onmiddellijk aan de leverancier.
- Het gebruik van (zware) apparatuur dient gedaan te worden door een daarvoor gecertificeerd persoon.
- Gebruik voor transport altijd de meegeleverde pallet en transportmaterialen.
- Extra uitrusting kan nodig zijn om het product veilig te vervoeren.
- Zorg ervoor dat het gebruikte materiaal het gewicht en de grootte van het product aankan.

- Pak het product zo dicht mogelijk bij de uiteindelijke installatieplaats pas uit om schade tijdens intern transport te minimaliseren.

A.2 Afmetingen van een geïnstalleerde boarding

A.3 Algemene montage van een bouwelement

- Let op dit is slechts een voorbeeld van een montage, deze geldt als algemene methode voor het samenstellen van de bouwelementen. Verderop in de manual worden alle onderdelen per bouwelement afzonderlijk beschreven.

CAUTION In deze stap worden de elementen B en F, genoemd in A.3 'General mounting example', nog niet geïnstalleerd. Deze elementen worden pas aan het einde van de montage gemonteerd, nadat alle andere onderdelen met elkaar zijn verbonden.

CAUTION Degenen die het product uitpakken dienen de vereiste bescherming en kleding dragen.

CAUTION Pak het product niet uit voordat deze op de uiteindelijke installatieplaats gearriveerd is om schade te voorkomen.

- Gebruik een vorkheftruck o.i.d om de pallets te laden en te lossen.

- Controleer het product tijdens het uitpakken op schade en ontbrekende onderdelen.
- Hergebruik en recycle het verpakkingsmateriaal op de juiste manier.

A.4 t/m A.7 tonen uit welke onderdelen de verschillende bouwstenen bestaan en waar deze

bouwstenen zich in de samenstelling bevinden na montage.

WARNING Opbouw montage is alleen mogelijk als de oppervlakte bestaat uit ten minste 15cm goede kwaliteit beton.

B. GRONDMONTAGE

NOTICE Zorg ervoor dat alle voorbereidingen zijn getroffen zoals beschreven in hoofdstuk A.

NOTICE Alvorens te starten met montage van alle delen voer stap C.2 van deze manual uit en bereidt het grondwerk voor!!

B.1 Overzicht samenstelling.

B.2 Indien nodig, ontvet de metaaldelen en breng dubbelzijdige tape aan. Plaats de smalle tape (10x4) op de horizontale liggers en de bredere tape (25x5) op de staanders. Monteer 6 van de 8 montagebouten zoals getoond in de afbeelding. De laatste 2 bouten worden aangebracht bij het koppelen van de bouwstenen. Let op: plaats nog geen afdekdoppen in deze staanders!

B.3 Monteer de staander aan de reeds geplaatste Sutu.

B.4 Verbind de staanders aan de bovenzijde met elkaar door de horizontale beugel te monteren.

B.5 Plaats alvast in deze bouwsteen het rooster.

B.6 Assembleer alle bouwstenen. Let op dat er hier wel afdekdoppen geplaatst moeten worden in de staanders.

B.7 Koppel alle losse bouwstenen aan elkaar.

B.10 Nadat alle bouwstenen zijn gekoppeld, breng dan de afdekkers aan. Zorg ervoor dat de naden gelijkmatig verdeeld zijn en even groot.

CAUTION Bouten voorzichtig aandraaien, dit om lakschade te voorkomen.

B.14 Roosters plaatsen. Hang de roosters voorzichtig in om lakschade te voorkomen. Leg beschermende materialen, zoals karton of iets dergelijks, tussen de roosters en de afdekkers voordat u de roosters plaatst.

C. OPBOUWMONTAGE

NOTICE Zorg ervoor dat alle voorbereidingen zijn getroffen zoals beschreven in hoofdstuk A.

C.1 Markeer alle hartmaten op de grond, zoals afgebeeld.

C.2 Graaf de gaten voor de betonfundering volgens de exacte maatvoering zoals aangegeven in de afbeeldingen. Plaats vervolgens alle staanders van de bouwstenen in de gegraven gaten en koppel de bouwstenen.

C.3 Zorg ervoor dat alle staanders volledig waterpas staan. Gebruik indien nodig extra hulpmaterialen zoals latten en lijklemmen om de staanders op hun plaats te houden. Vul de gaten, zodra de staanders correct zijn gepositioneerd, aan met C20/25 beton tot de aangegeven hoogte.

C.4 Vul de overgebleven ruimte met zand of aarde, afhankelijk van de gewenste afwerking van het terrein. Laat het beton minimaal één dag uitharden voordat de Sutu in gebruik wordt genomen.

SERVICE

ONDERSTEUNING

Voor vragen, opmerkingen of hulp kun je altijd contact opnemen met het hoofdkantoor van Lappset.

EN

NL

DE



Made in the Netherlands

290351-250129

Lappset sportboarding

290350-290363

290450-290465

Installation instructions

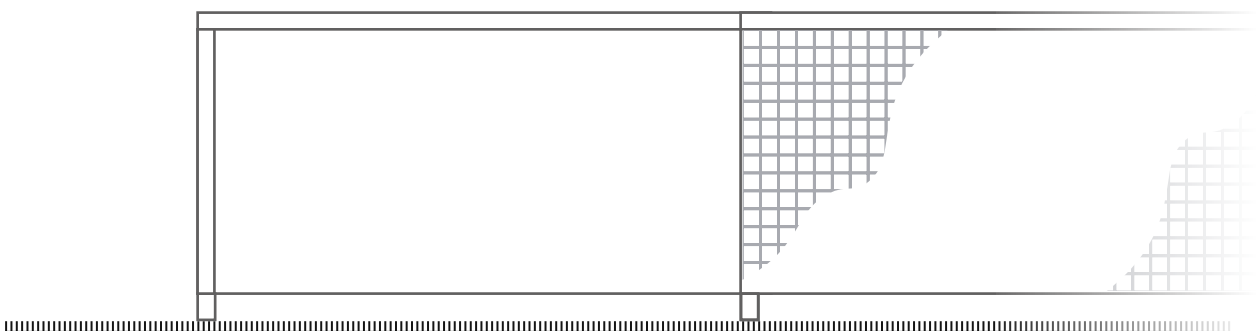
EN

Installatievoorschrift

NL

Installationsanweisungen

DE





WARNING

Read these installation instructions before you start the installation. Retain this manual for future reference.



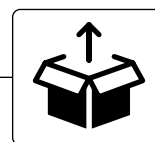
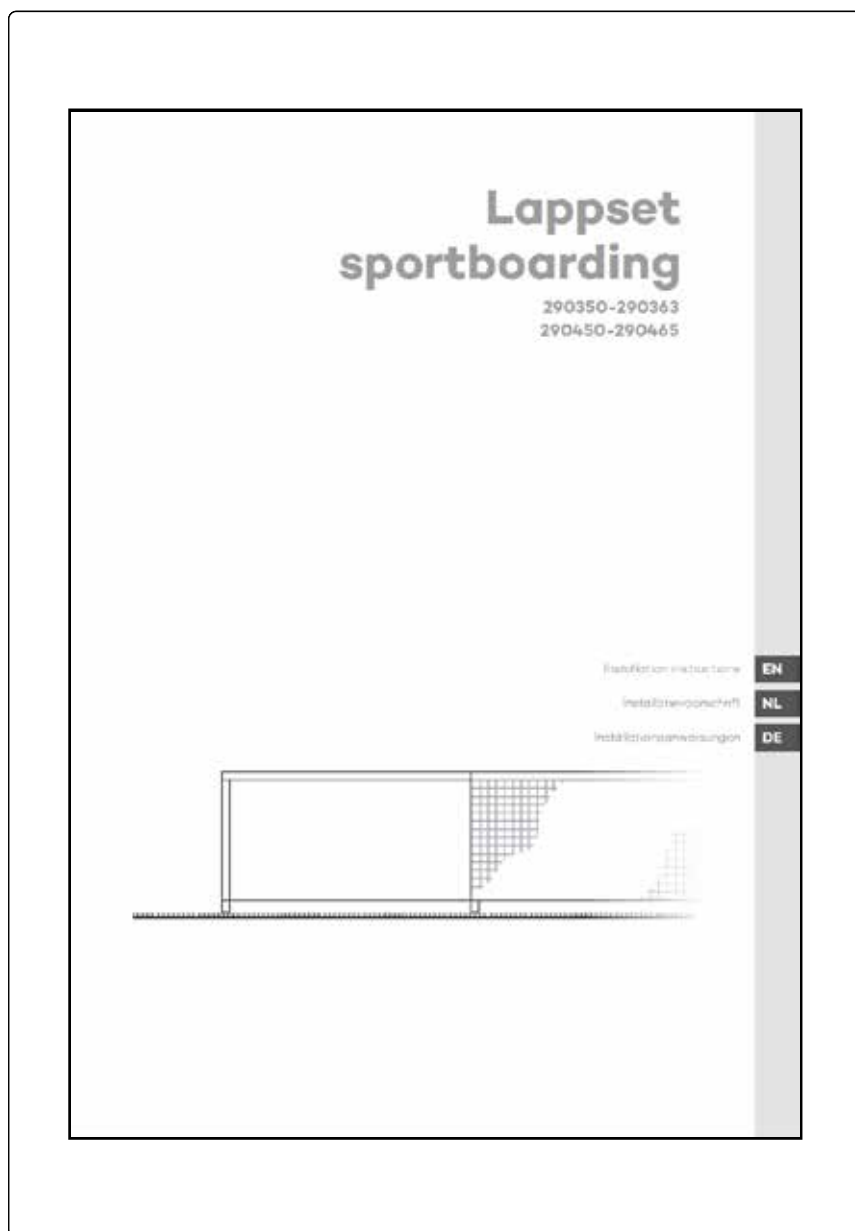
WAARSCHUWING

Lees deze installatieinstructies voordat u dit toestel installeert. Bewaar deze handleiding voor toekomstig gebruik.

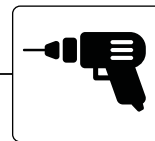


WARNUNG

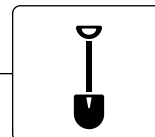
Bitte lesen Sie dieses Installationshandbuch durch, bevor Sie das Produkt installieren. Bewahren Sie dieses Handbuch zum späteren Nachschlagen auf.



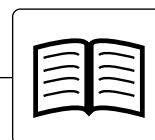
A



B



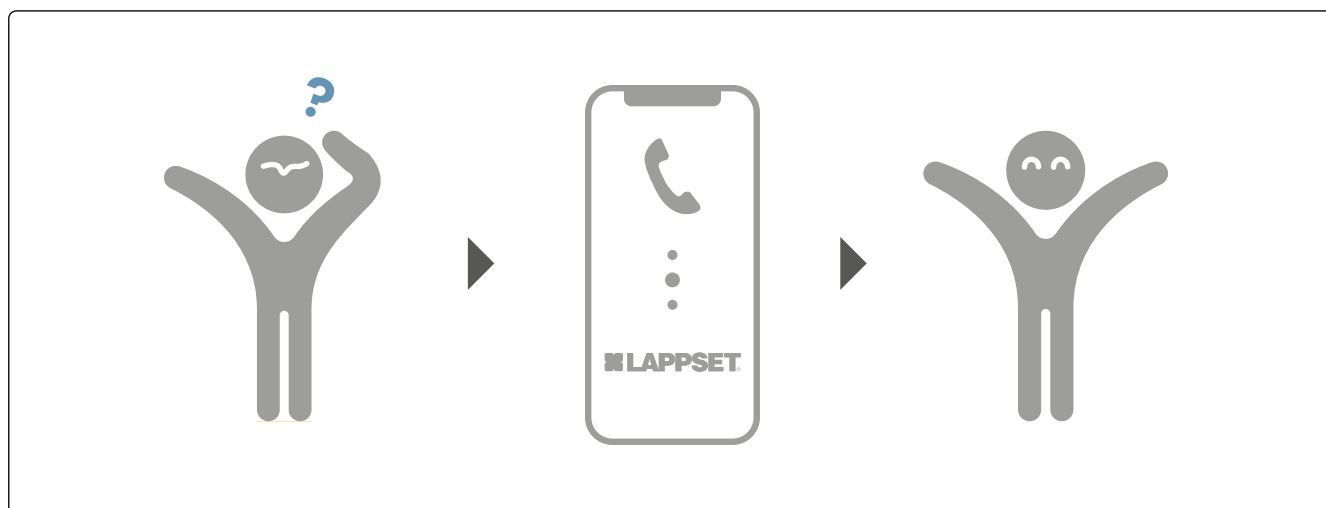
C



EN

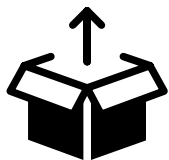
NL

DE



A

A



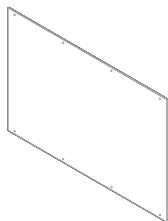
B

C

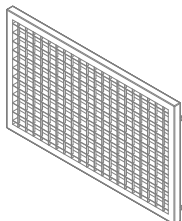
A.1

Standard combinations

HPL



Grid



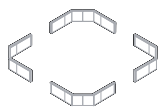
Mounting options

Deep
mount

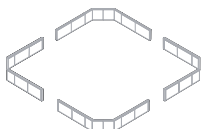
OR

Surface
mount

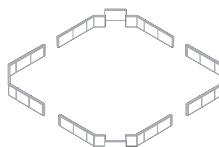
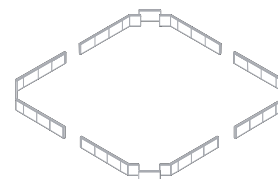
Toro combinations



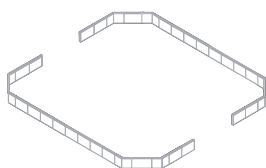
6.8m



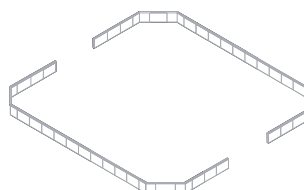
9.1m

10.7m
+entrance13m
+entrance

Sutu combinations

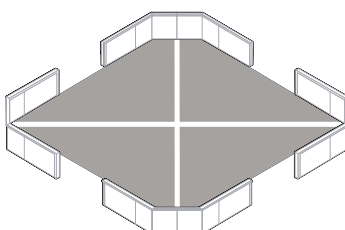


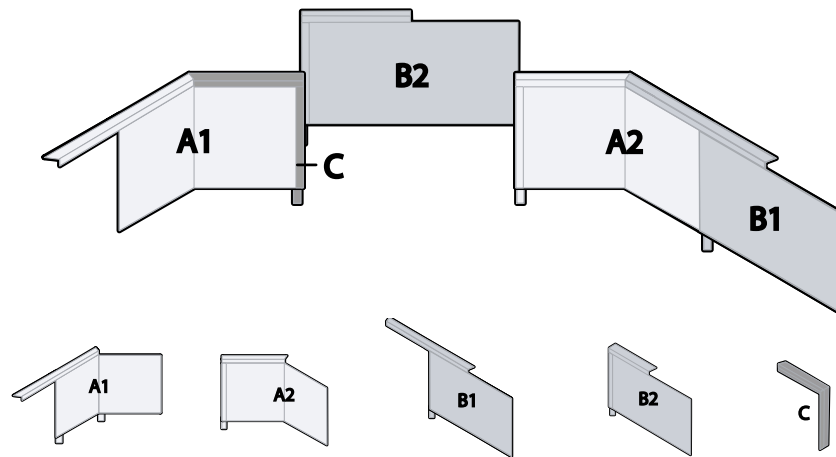
Plaza L



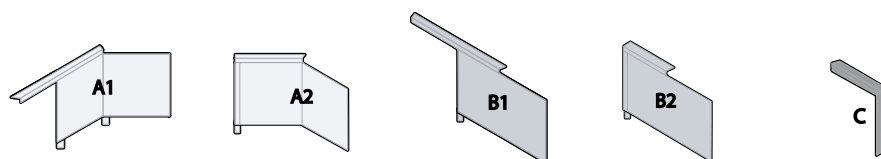
Plaza XL

Floor

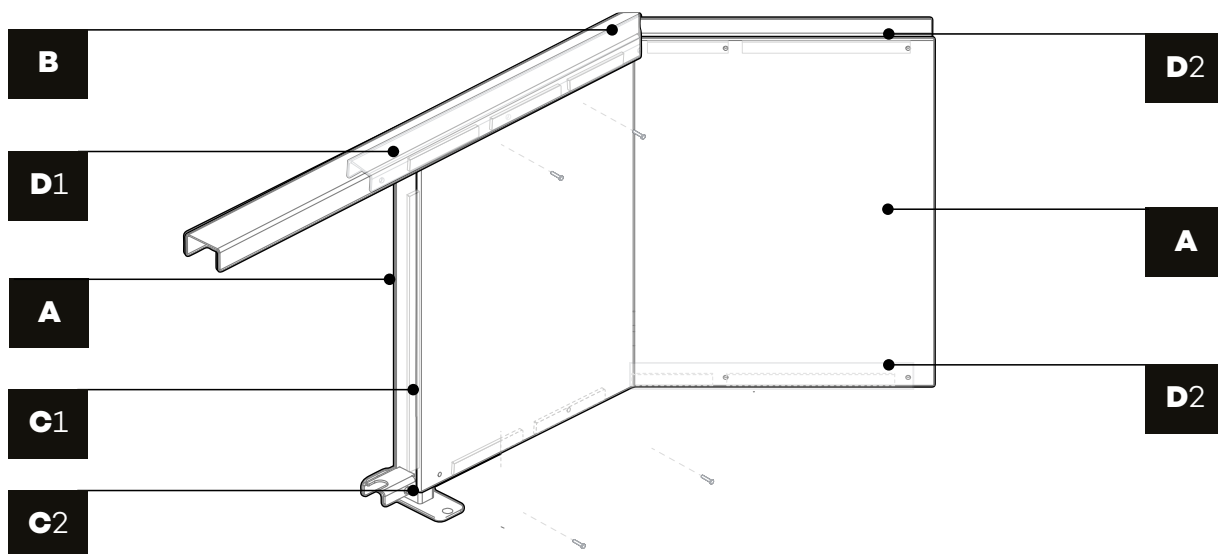
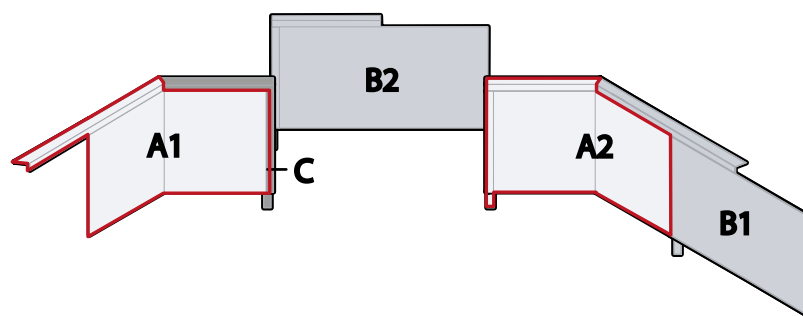




	037-200	037-210	037-100	037-300	037-400
HPL - Surface mount					
KG	25.9	24	25	26	7
lbs	57	52.9	55.1	57.3	15.4
HPL - Deep Mount					
KG	26.7	24.8	25.8	26.8	7.8
lbs	58.9	54.7	56.9	59.1	17.2
Grid - Surface mount					
KG	37	40.4	34	34.1	7
lbs	81.6	89.1	74.9	75.2	15.4
Grid - Deep Mount					
KG	37.8	41.2	34.8	34.9	7.8
lbs	83.3	90.8	76.7	76.9	17.2

A . 3
Amount of standard combinations
A
B
C


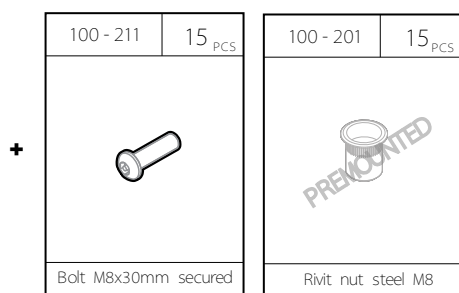
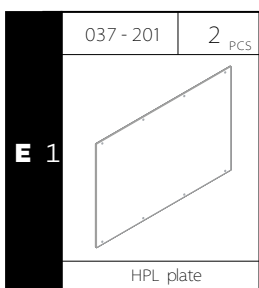
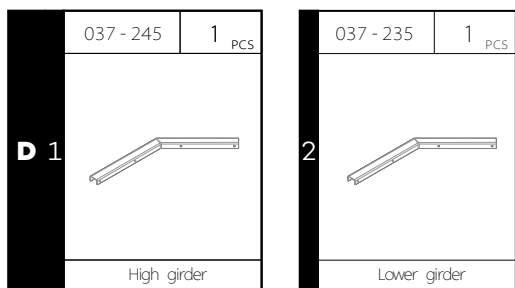
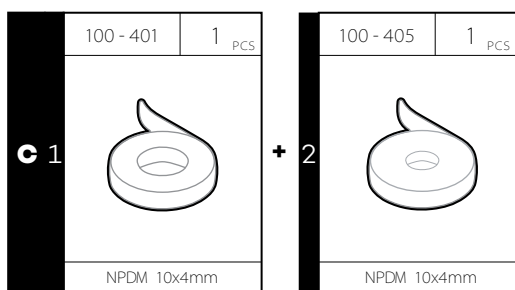
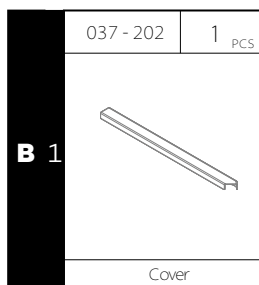
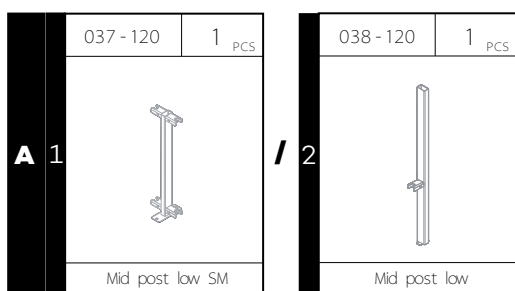
	037-200	037-210	037-100	037-300	037-400
Toro					
6.8m	8x	0x	4x	4x	4x
9.1m	8x	0x	12x	4x	4x
10.7m	8x	0x	16x	4x	4x
10.7m +gate	7x	1x	16x	5x	6x
13m	8x	0x	24x	4x	4x
13m +gate	7x	1x	24x	5x	6x
Sutu					
Plaza L	7x	0x	19x	1x	1x
Plaza XL	7x	0x	25x	1x	1x

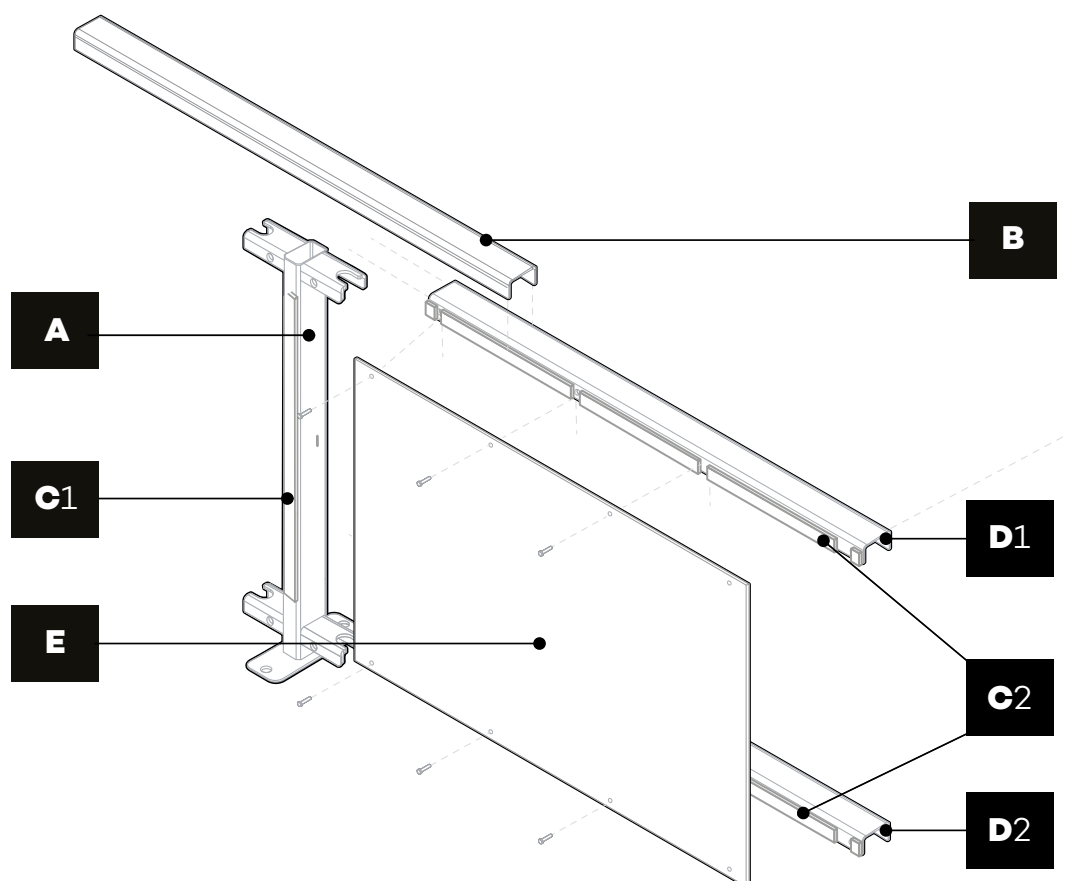
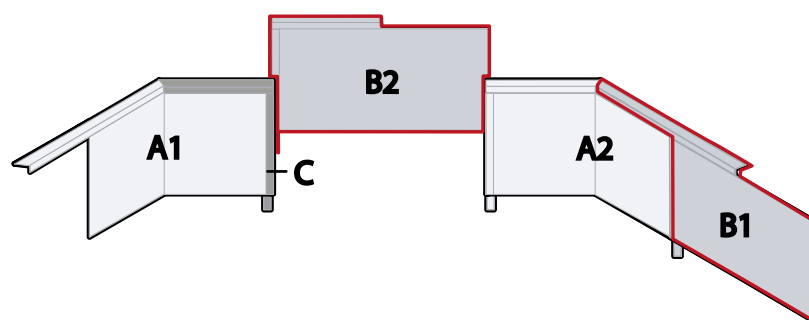


A

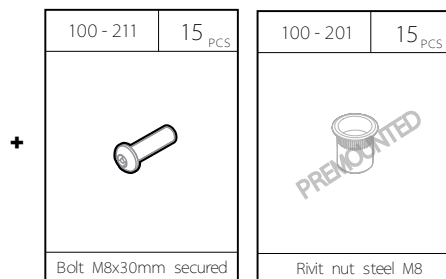
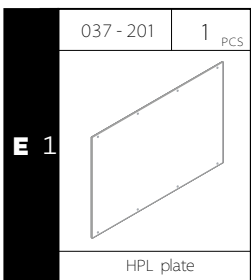
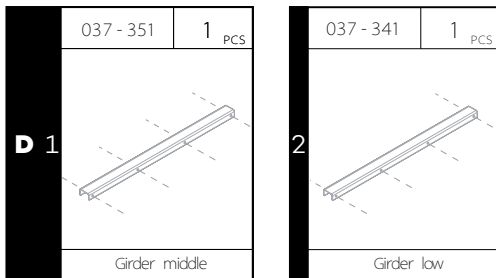
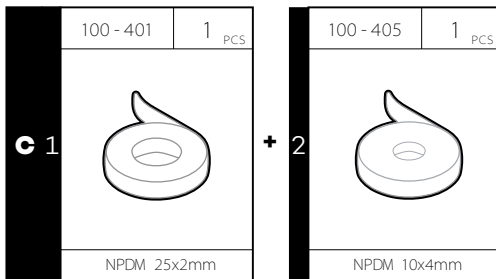
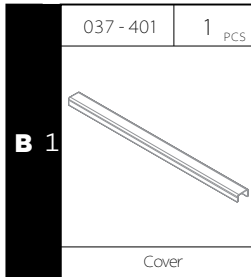
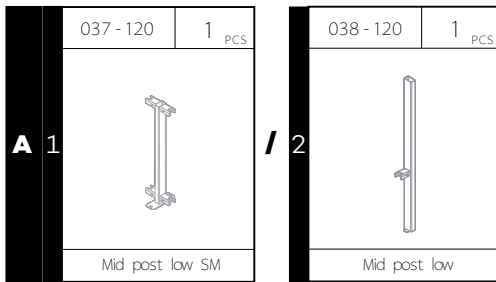
B

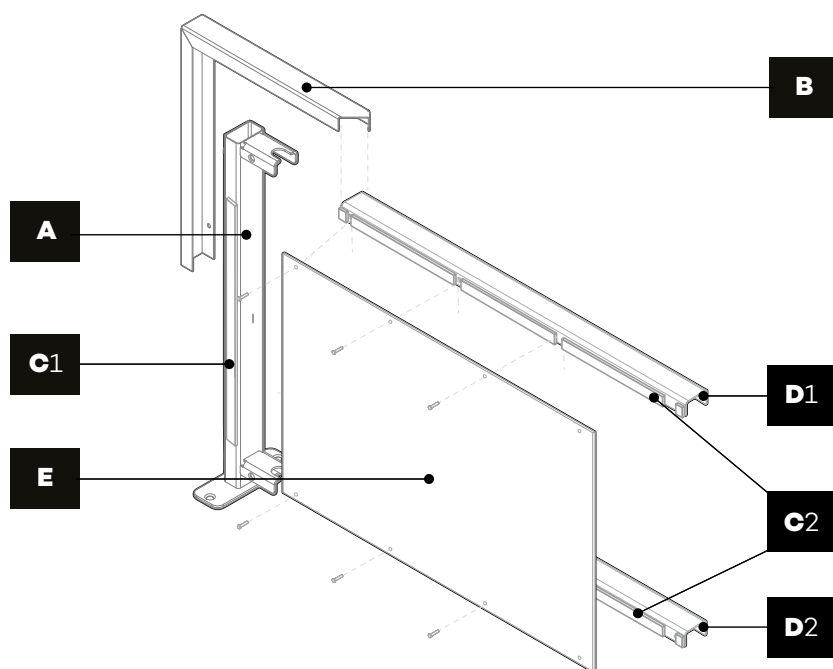
C



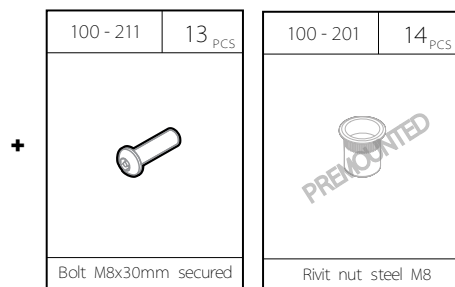
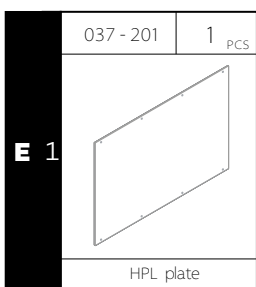
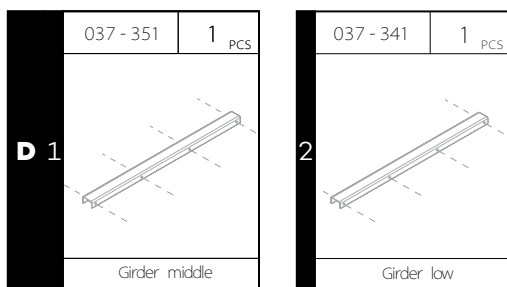
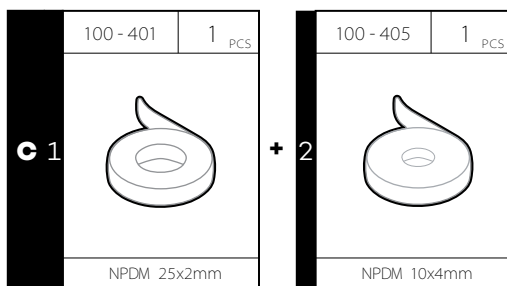
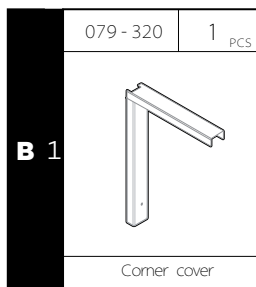
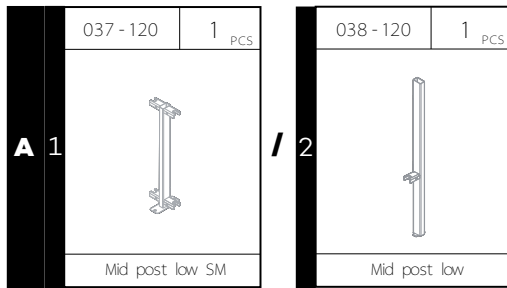


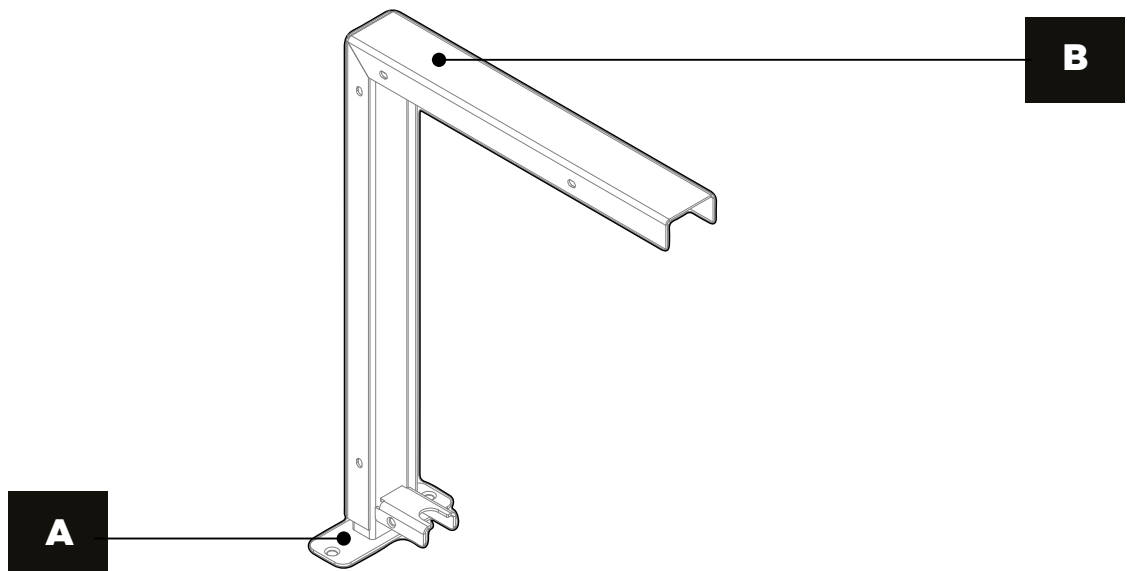
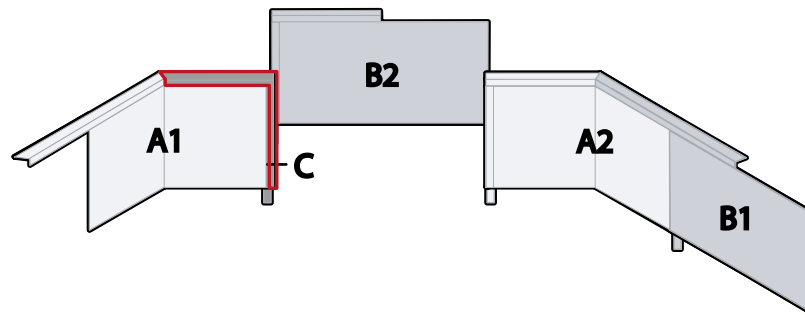
A.6





A.8

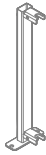




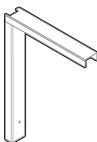
A

B

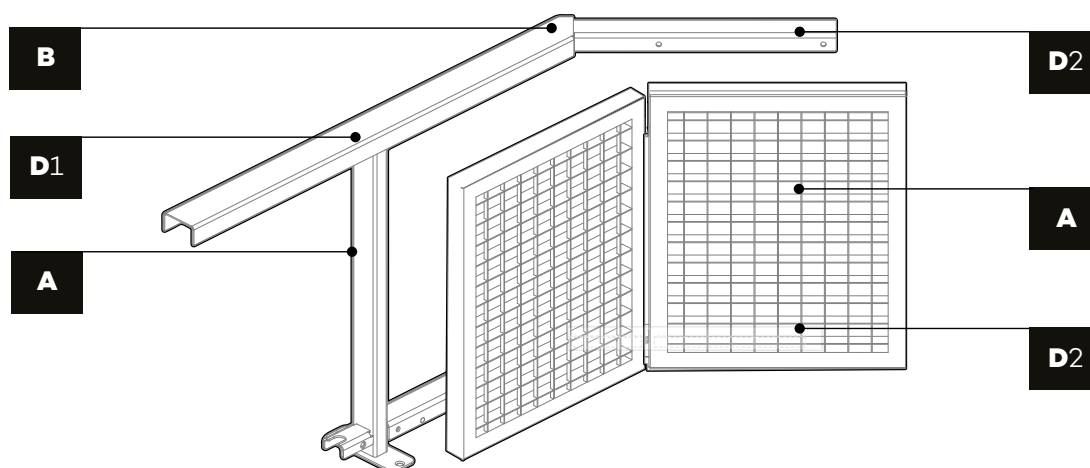
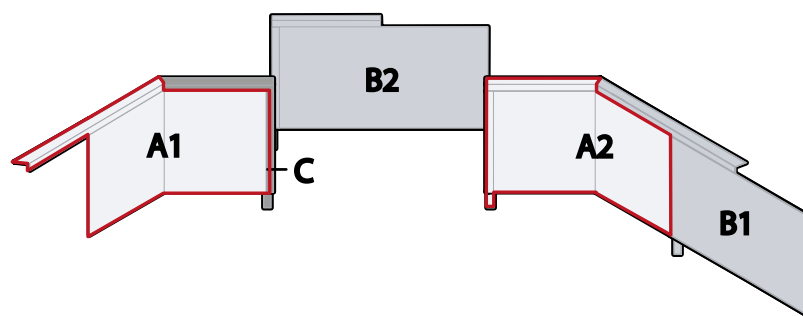
C

A	1	038 - 360	1 PCS
			
		HPL end post SM	

2	2	037 - 360	1 PCS
			
		HPL end post DM	

B	1	037 - 420	1 PCS
			
		Corner cover	

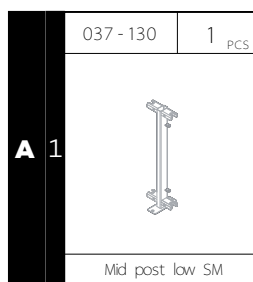
+		100 - 211	7 PCS
			
		Bolt M8x30mm secured	



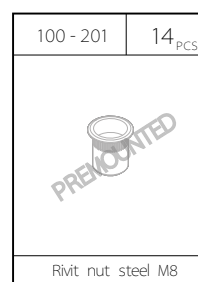
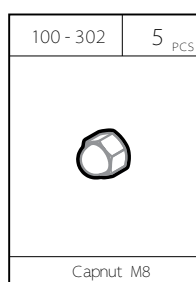
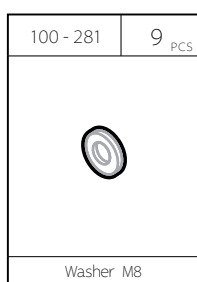
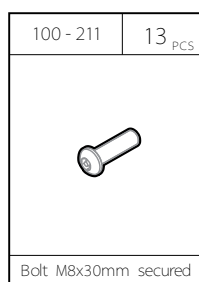
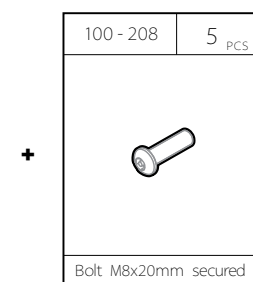
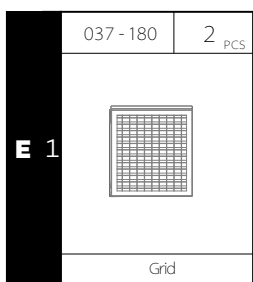
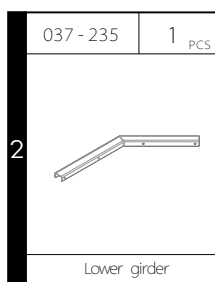
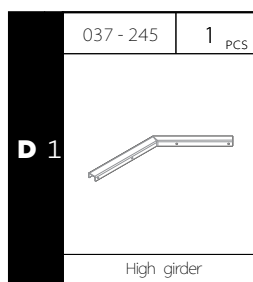
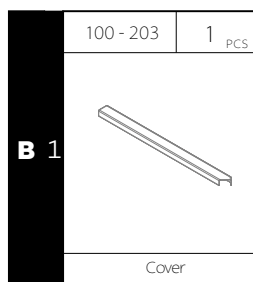
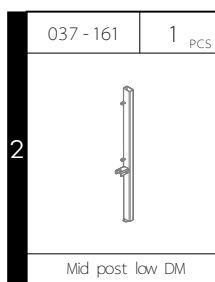
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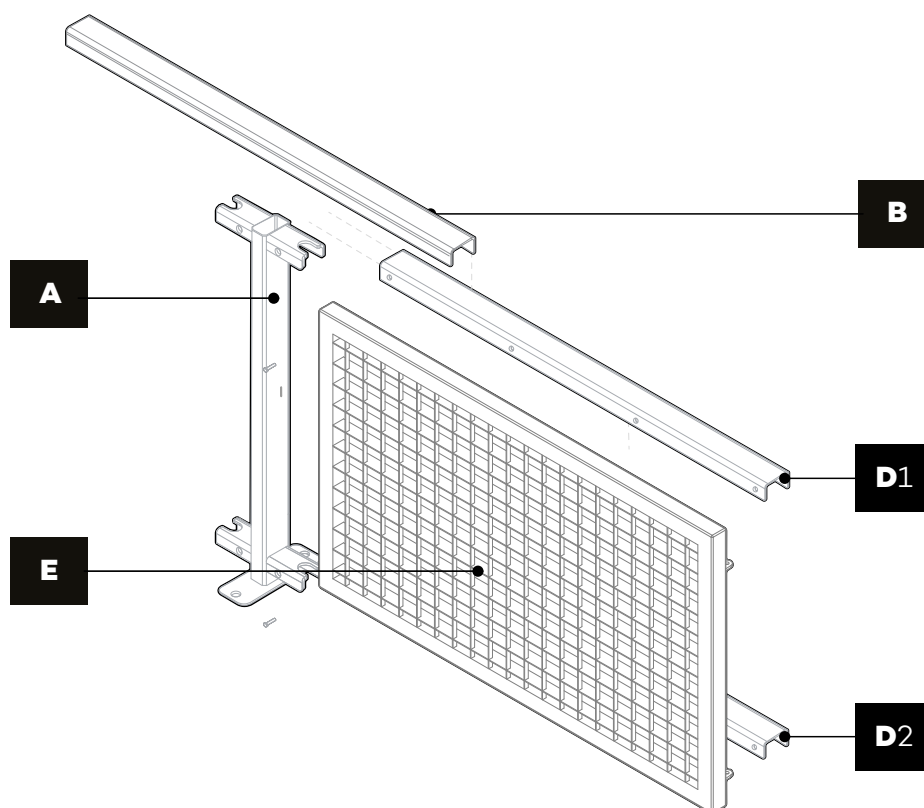
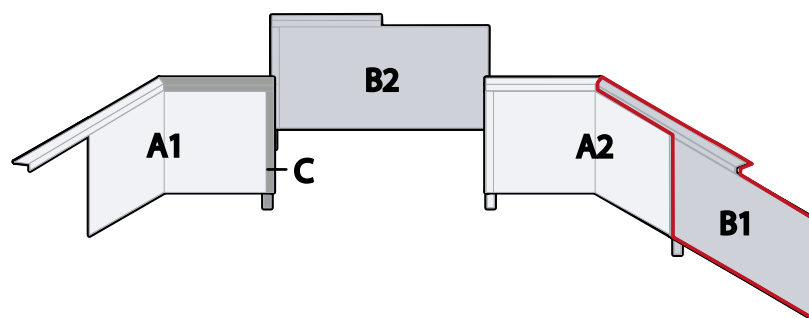
B

C



/ 2

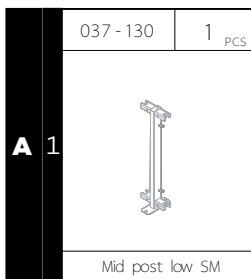




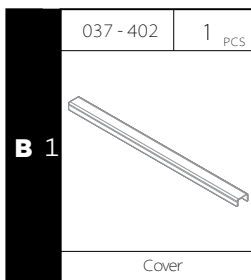
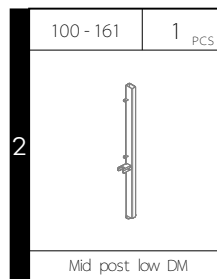
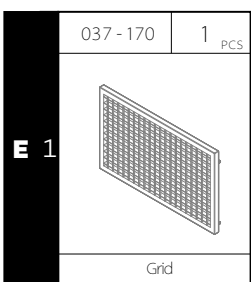
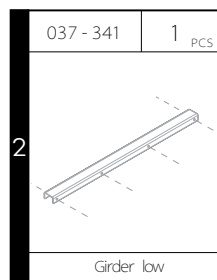
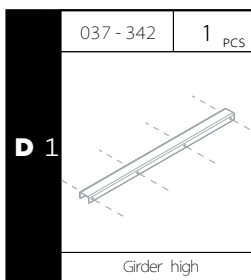
A

B

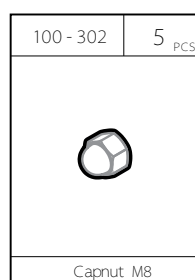
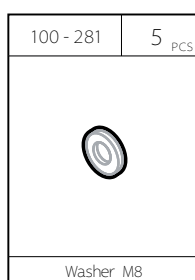
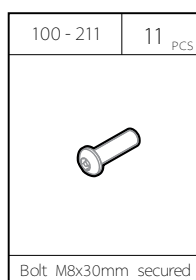
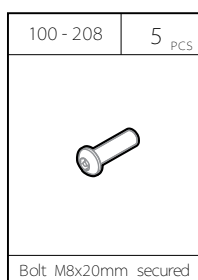
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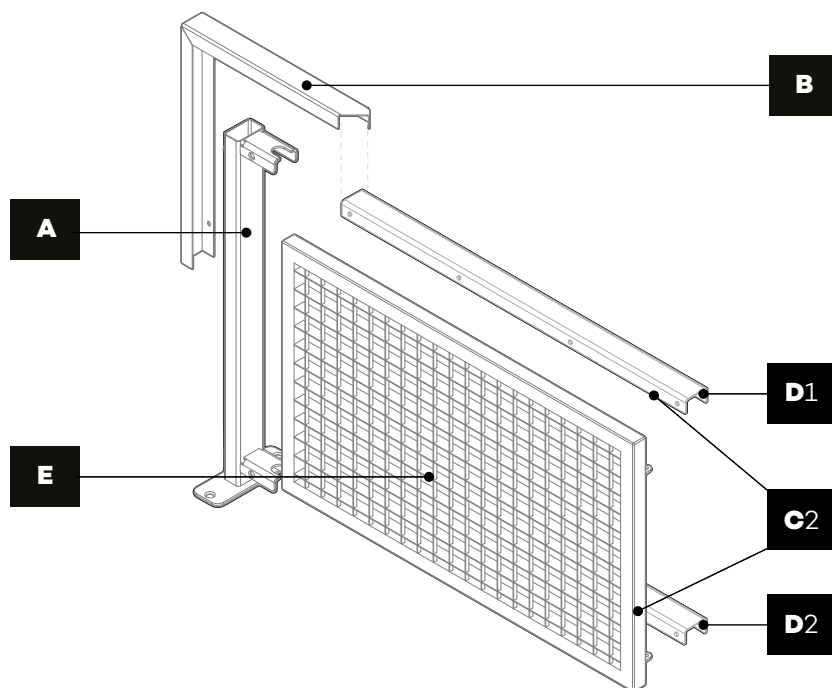
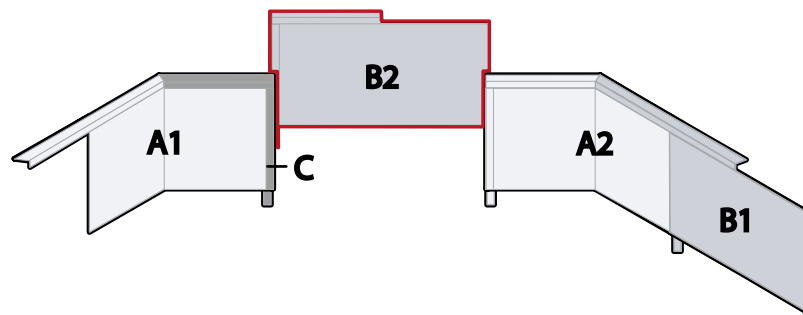


/ 2

**C**

+

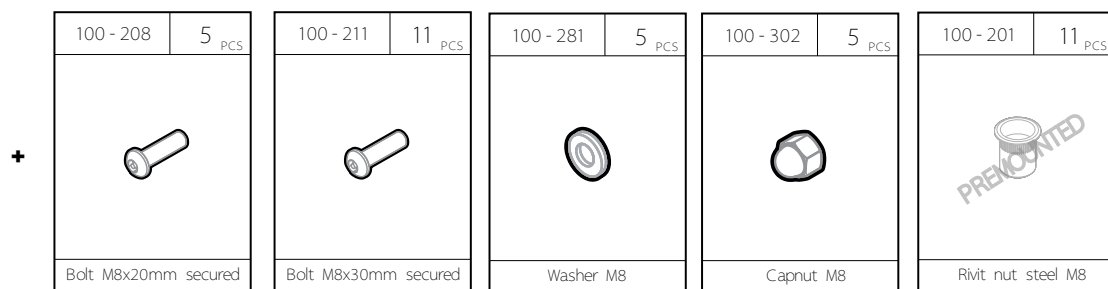
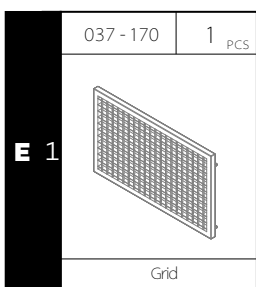
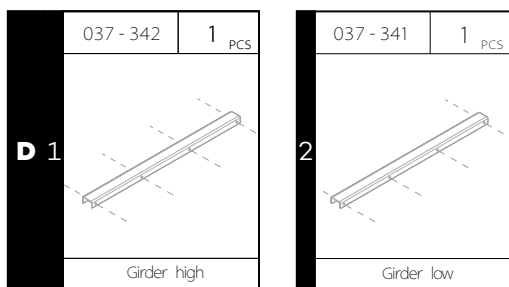
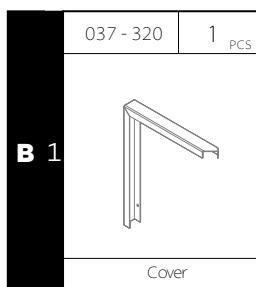
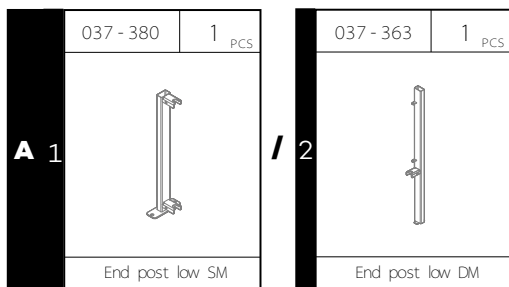


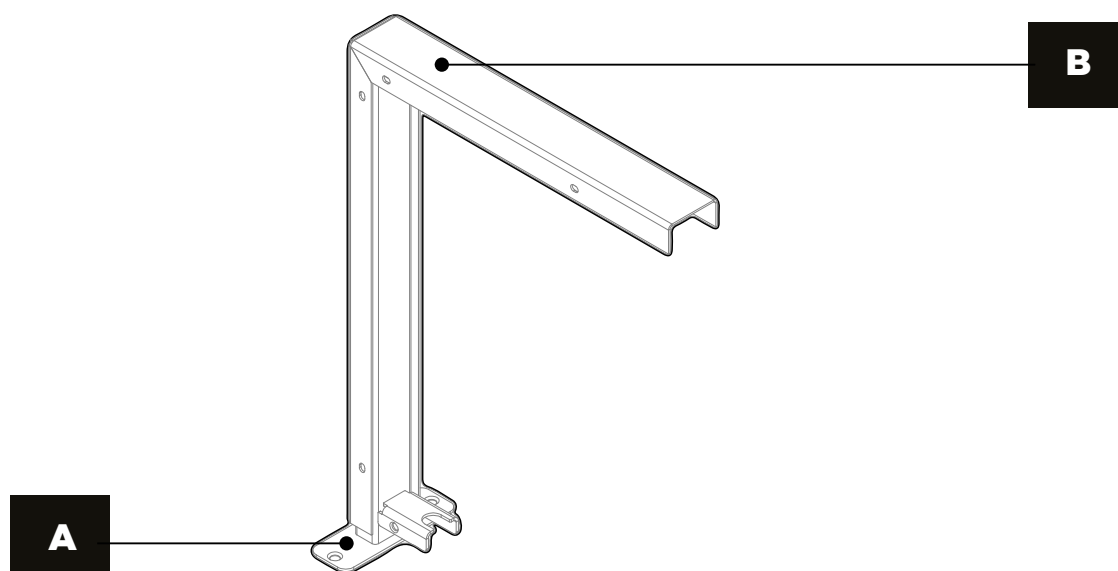
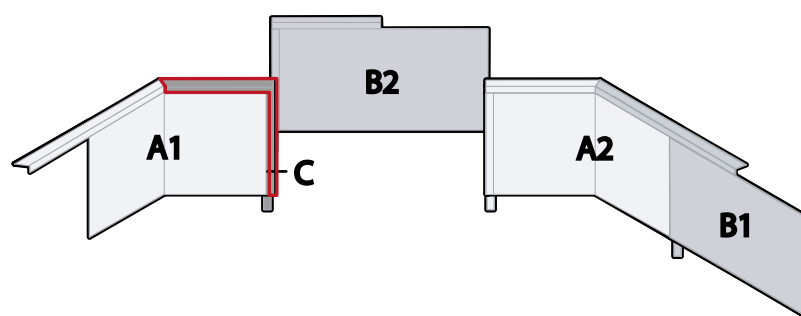


A

B

C





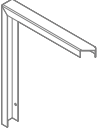
A

B

C

A 1	037 - 363	1 PCS
		
	End post low SM	

/ 2	037 - 362	1 PCS
		
	End post low DM	

B 1	037 - 420	1 PCS
		
	Cover	

+

100 - 211	11 PCS
	
Bolt M8x30mm secured	

100 - 281	5 PCS
	
Washer M8	

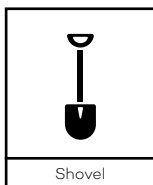
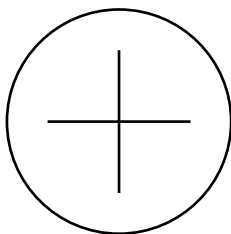
100 - 302	5 PCS
	
Capnut M8	

100 - 201	11 PCS
	
Rivet nut steel M8	

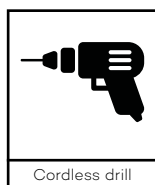
A

B

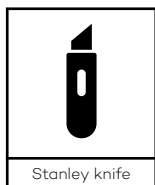
C



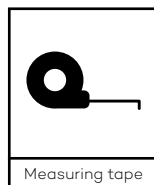
Shovel



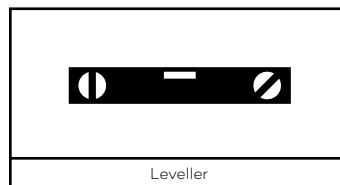
Cordless drill



Stanley knife



Measuring tape



Leveller

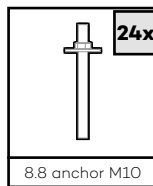


Drill + bit

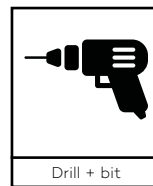


40kg dry C20/25

/



8.8 anchor M10



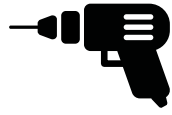
Drill + bit

A

B

C

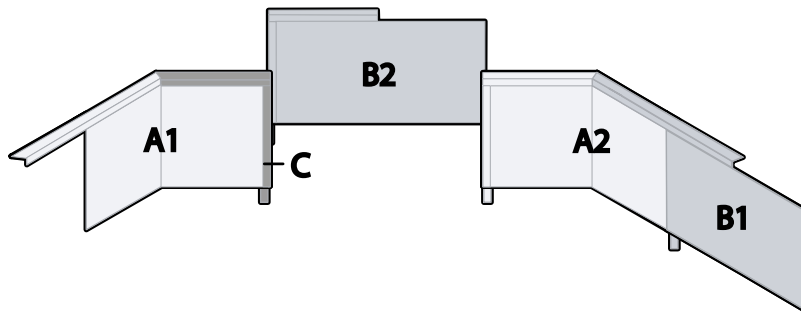
B



B.1 Overview assembly

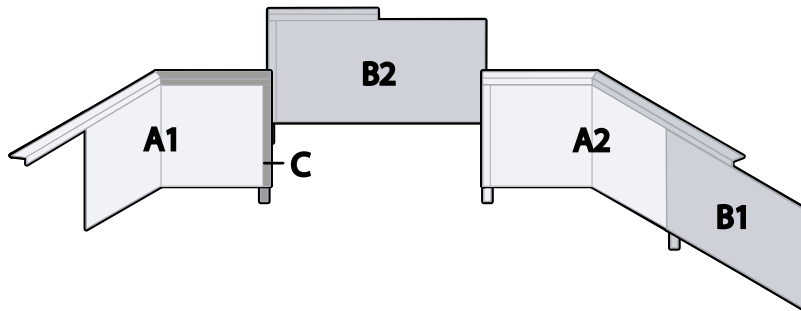
HPL

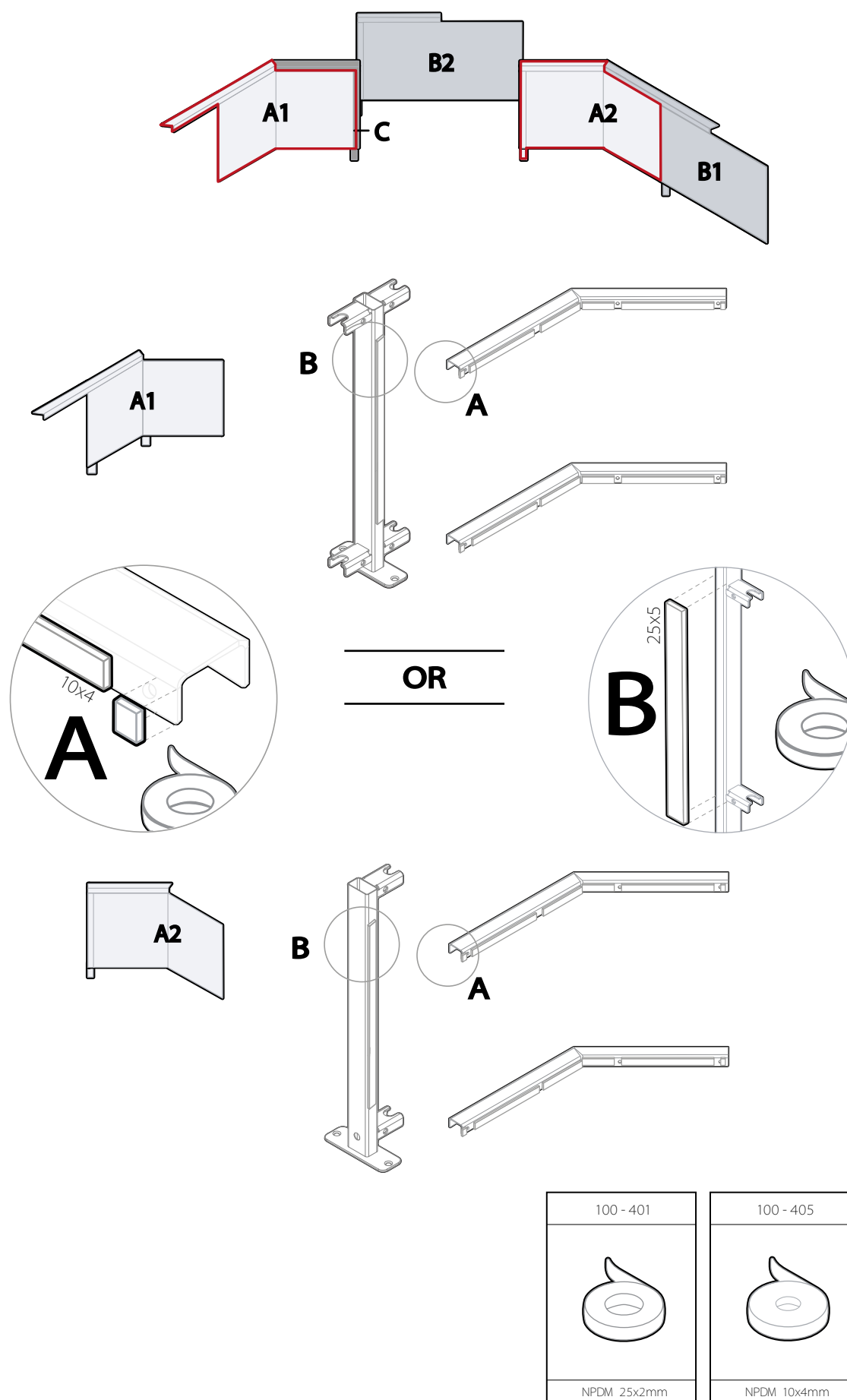
B.2 - B.8



Grid

B.9 - B.13

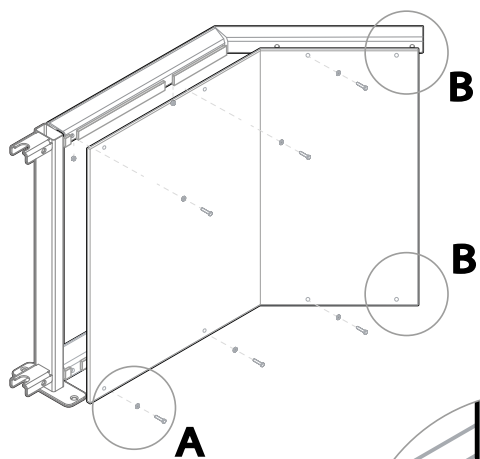
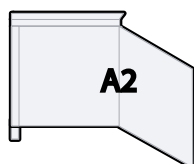
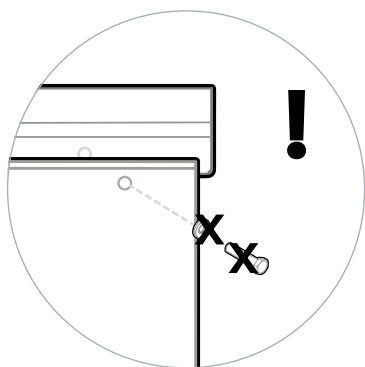
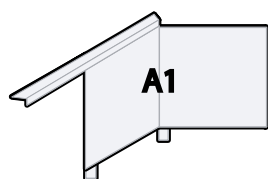




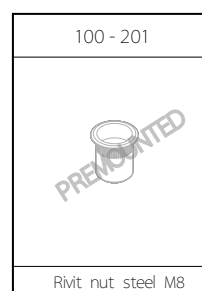
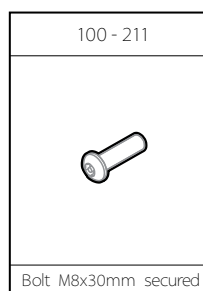
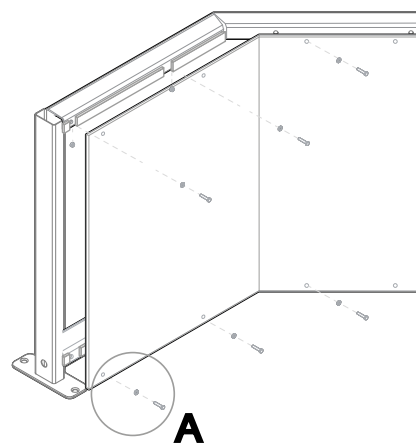
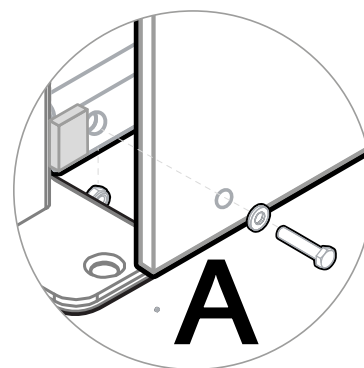
A

B

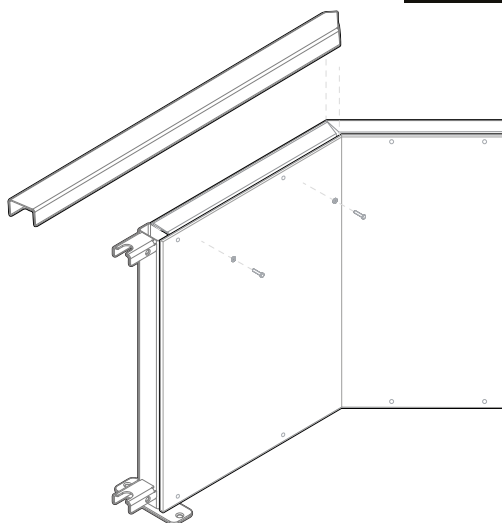
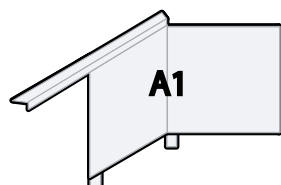
C



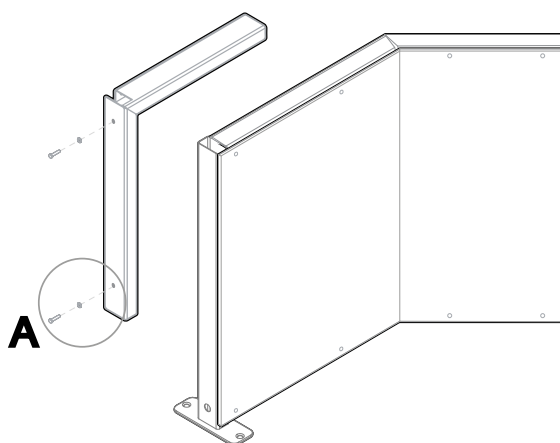
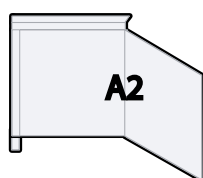
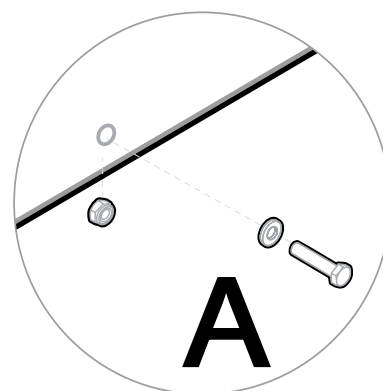
OR



B.23



OR



100 - 211

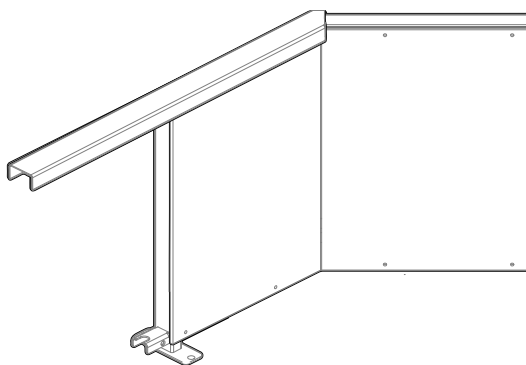
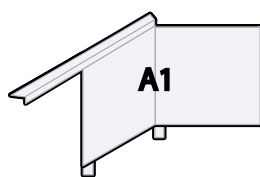


Bolt M8x30mm secured

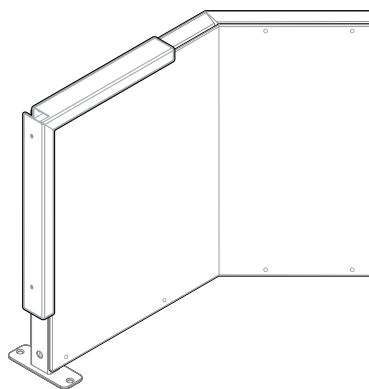
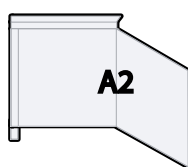
100 - 201

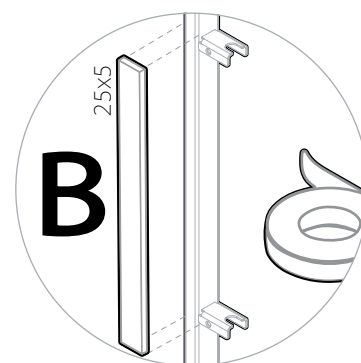
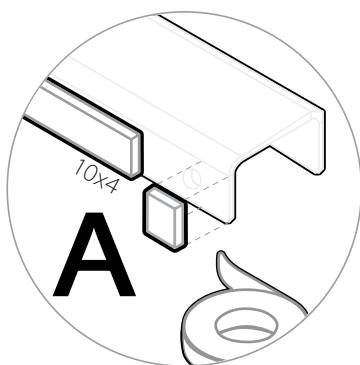
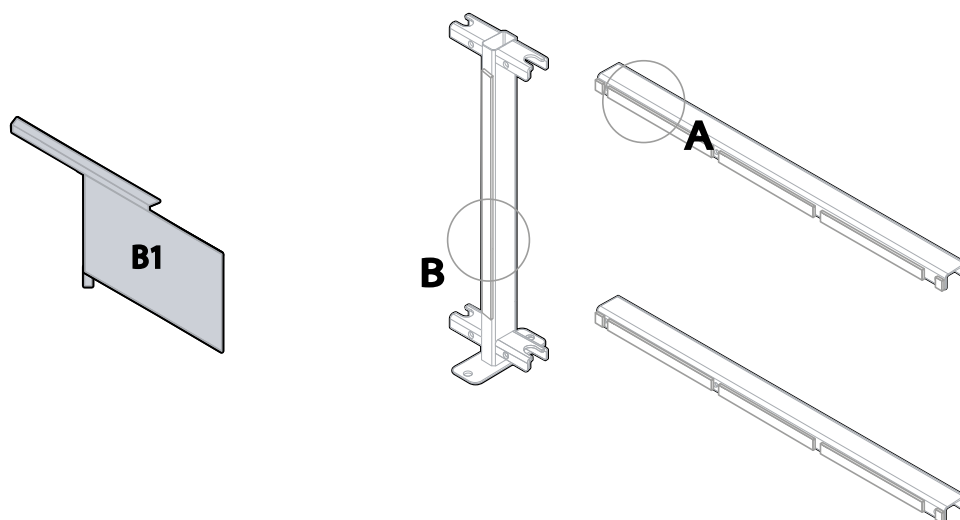
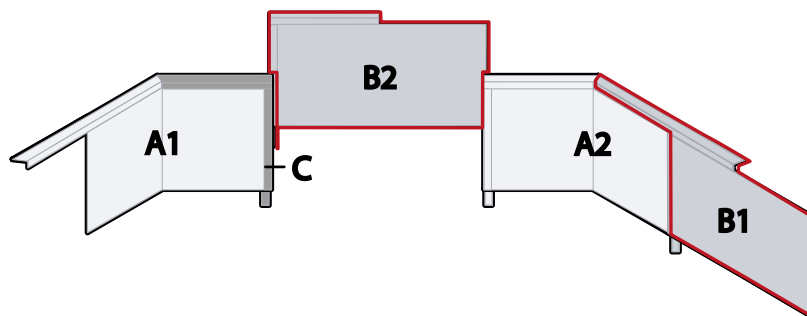


Rivet nut steel M8



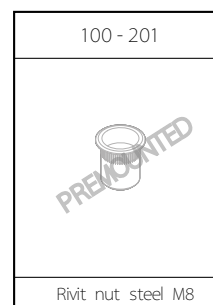
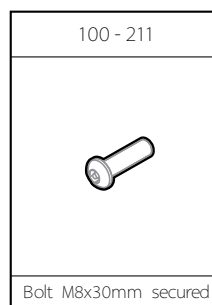
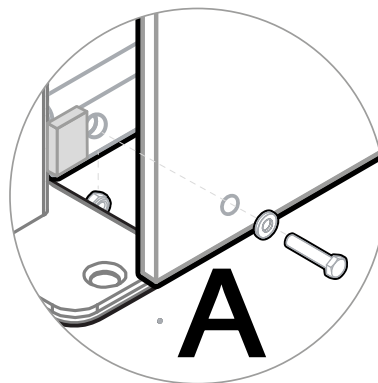
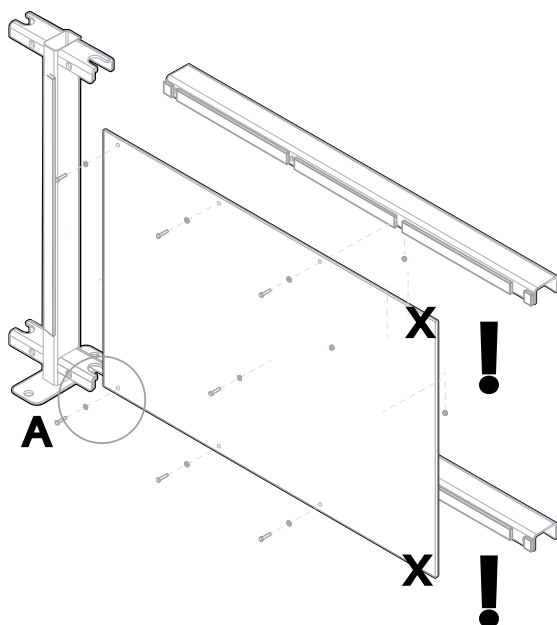
OR



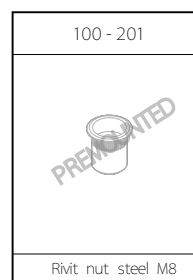
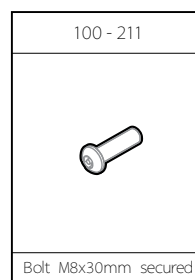
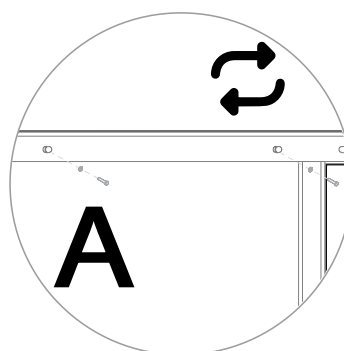
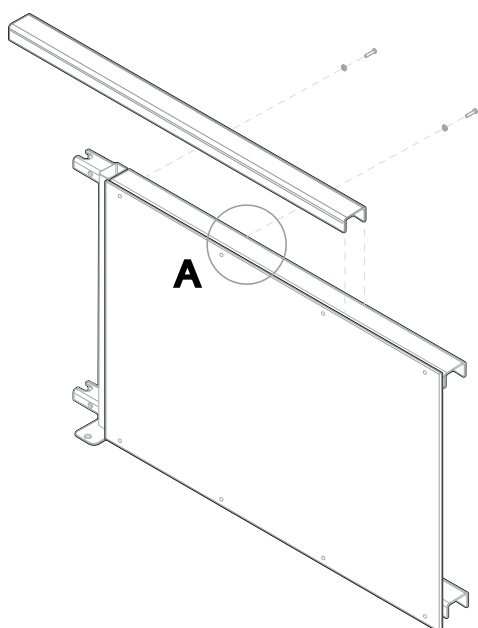


100 - 401	100 - 405
	
NPDM 25x2mm	NPDM 10x4mm

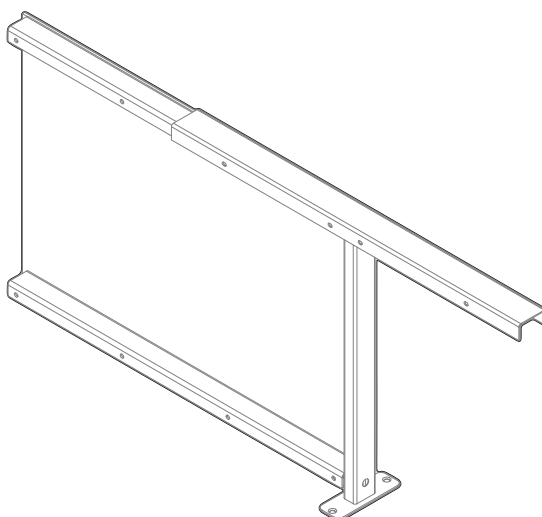
B.7

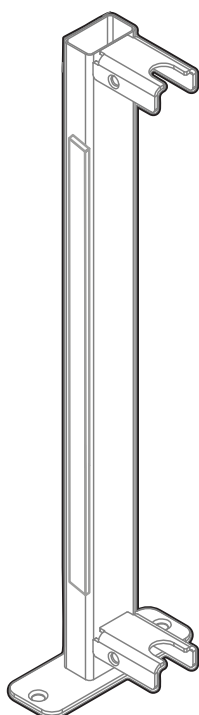


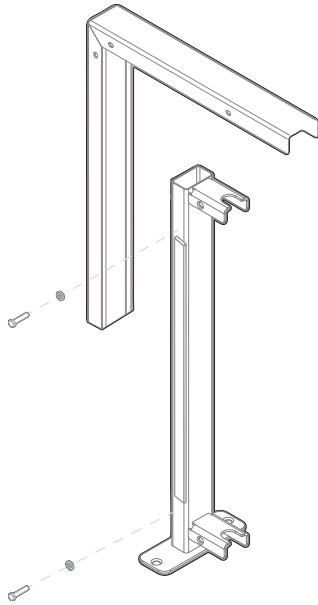
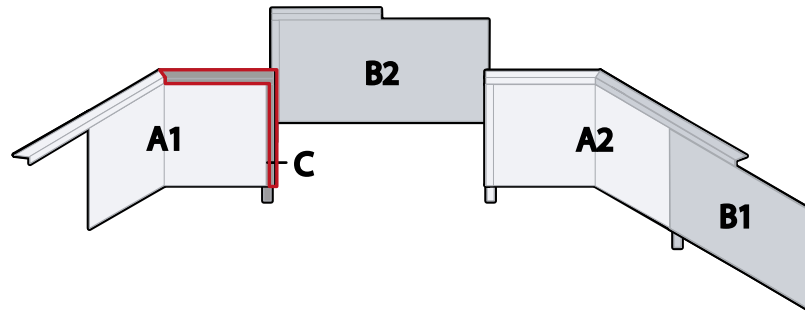
B.8



B.23







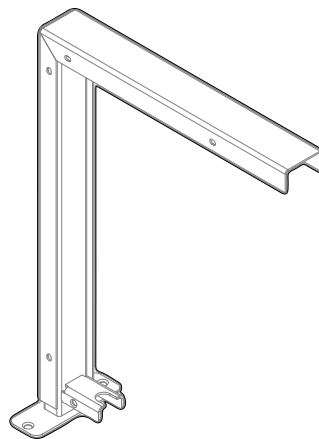
B.23

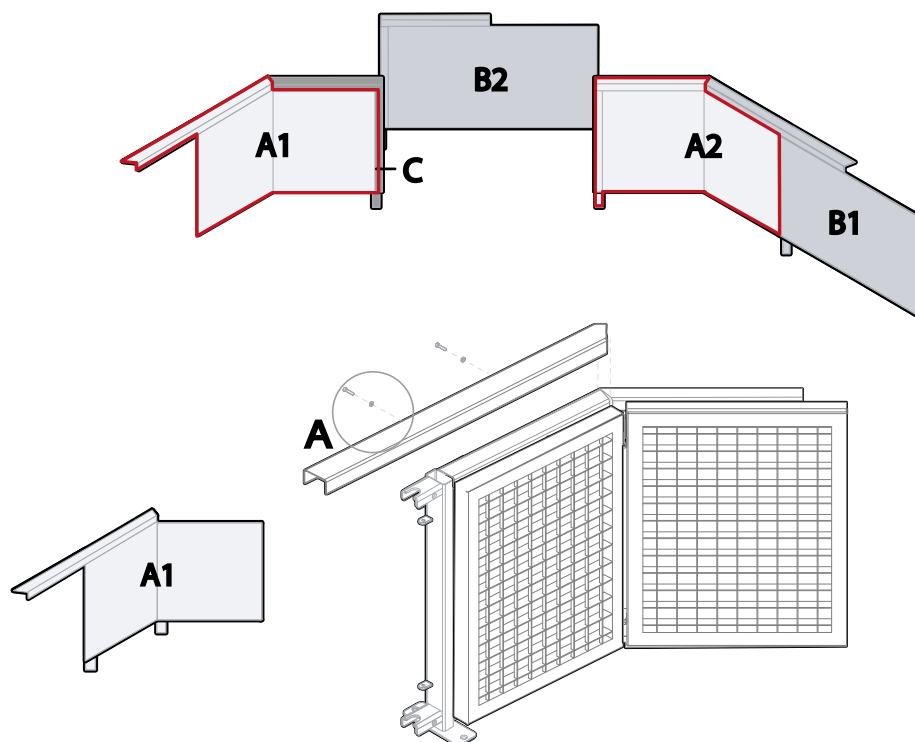


100 - 211



Bolt M8x30mm secured

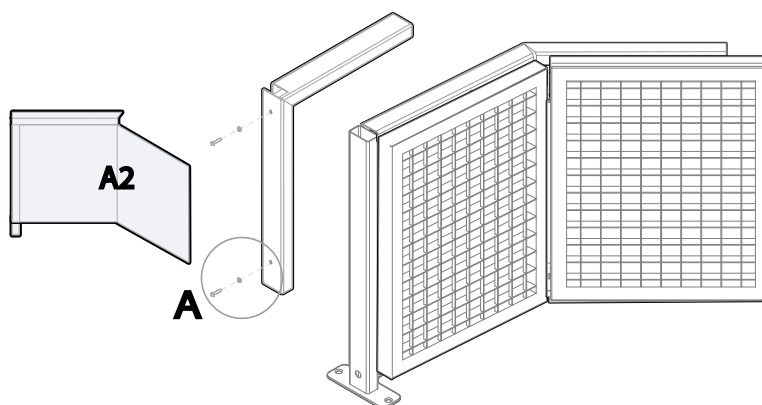
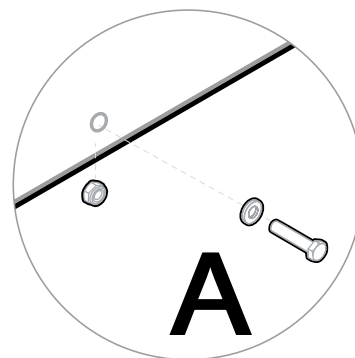




B.23



OR



100 - 211



Bolt M8x30mm secured

100 - 281

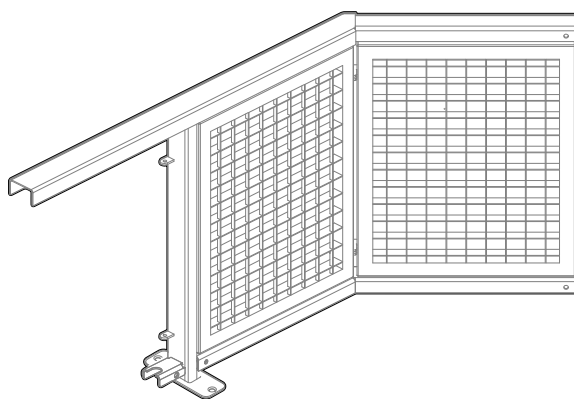
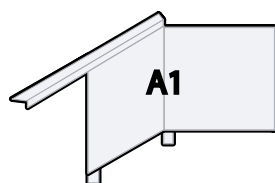


Washer M8

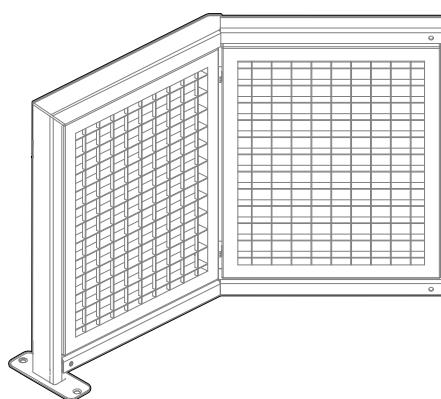
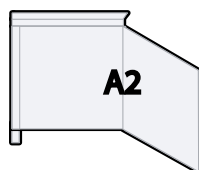
100 - 302



Capnut M8



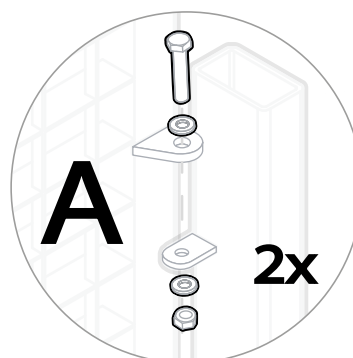
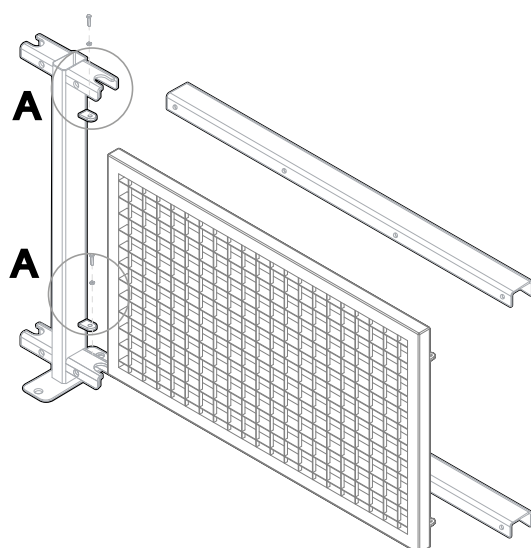
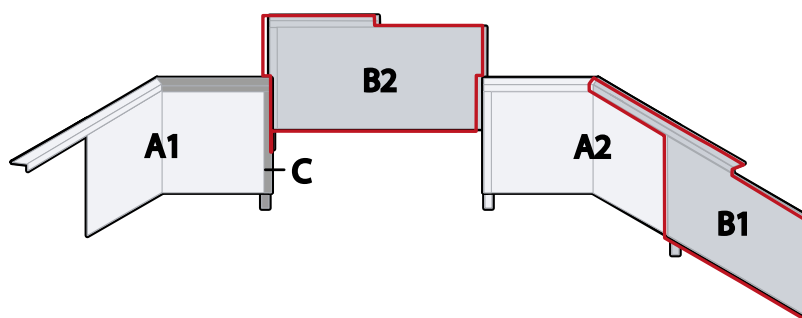
OR



A

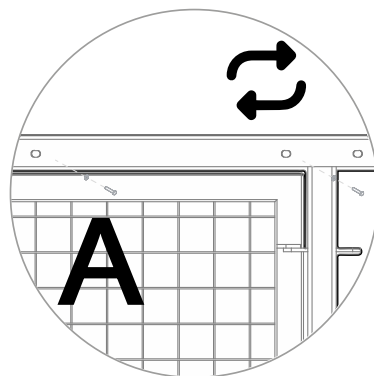
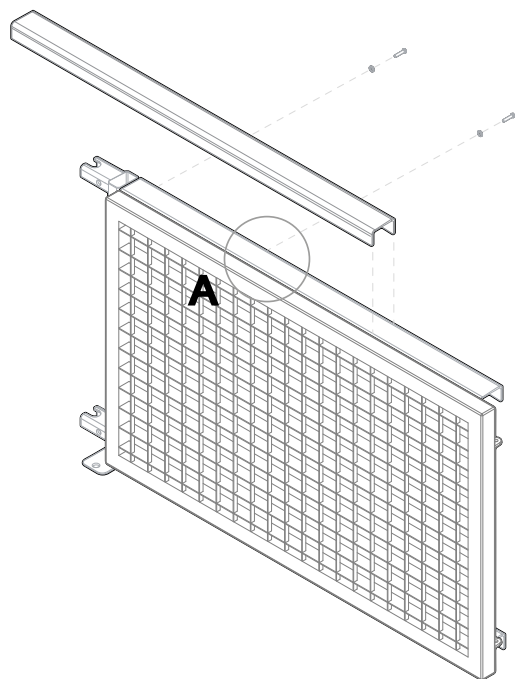
B

C



100 - 208	100 - 281	100 - 302
		
Bolt M8x20mm secured	Washer M8	Capnut M8

B.16



B.23

100 - 211



Bolt M8x30mm secured

100 - 281



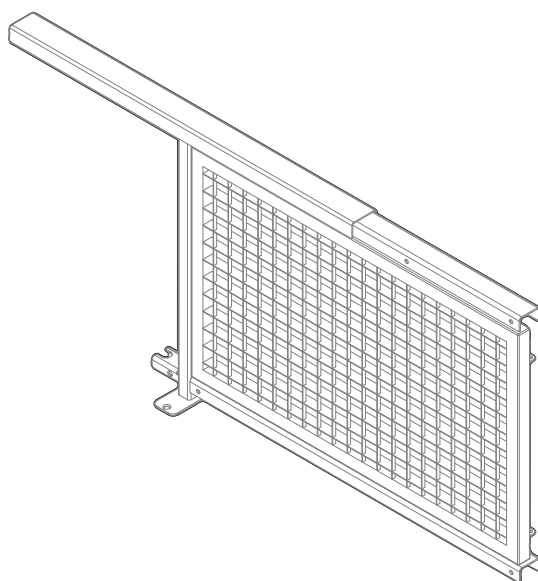
Washer M8

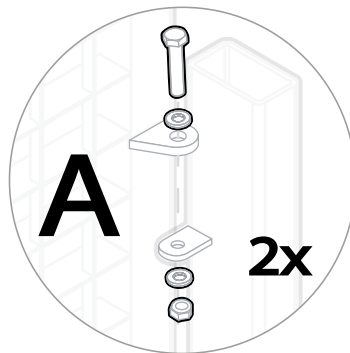
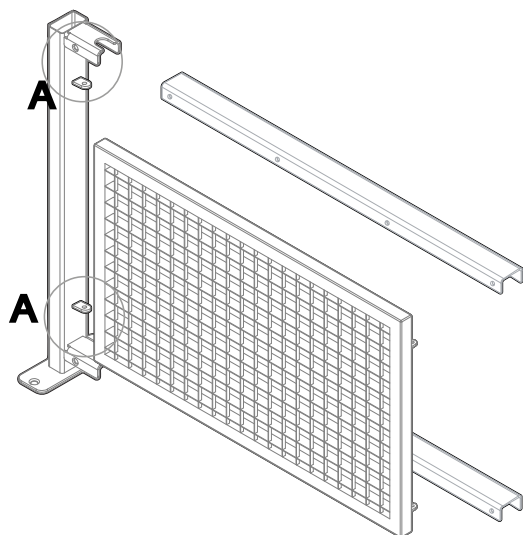
100 - 302



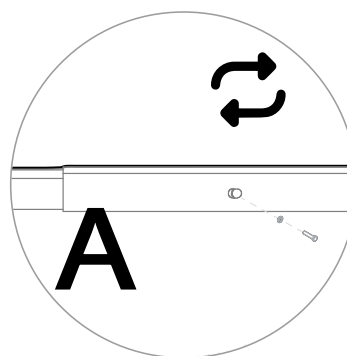
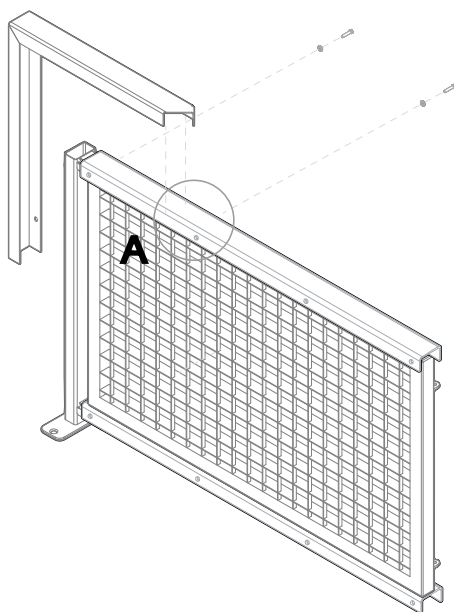
Capnut M8

B.17





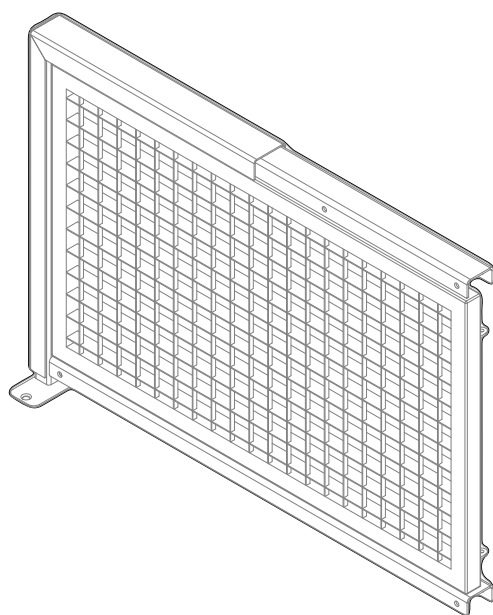
100 - 208	100 - 281	100 - 302
Bolt M8x20mm secured	Washer M8	Capnut M8



100 - 208	100 - 281	100 - 302
Bolt M8x20mm secured	Washer M8	Capnut M8



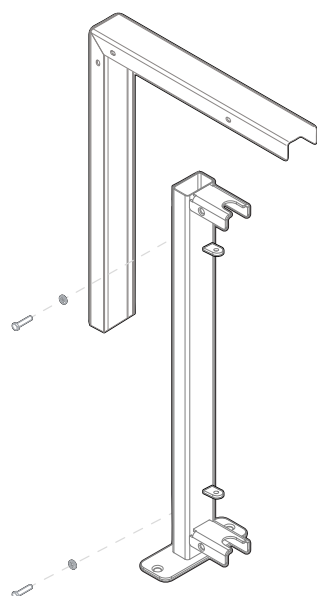
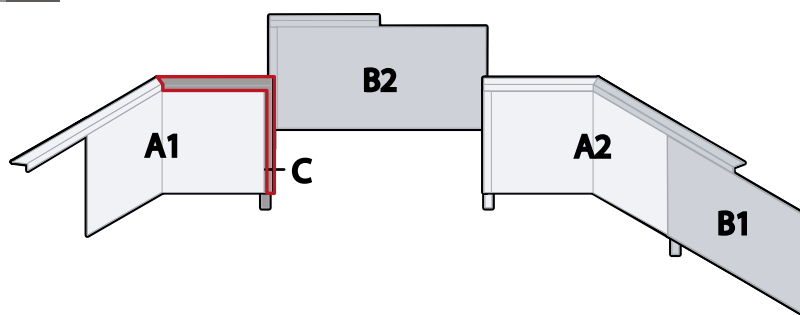
B.23



A

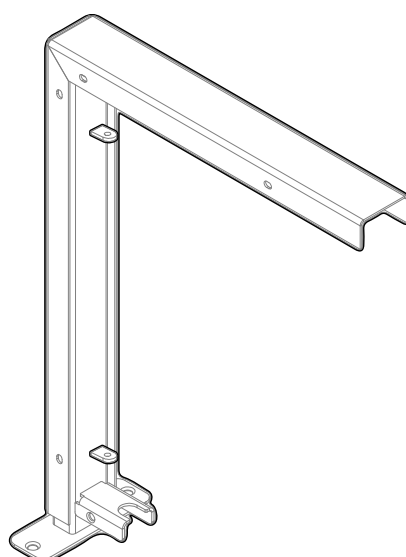
B

C

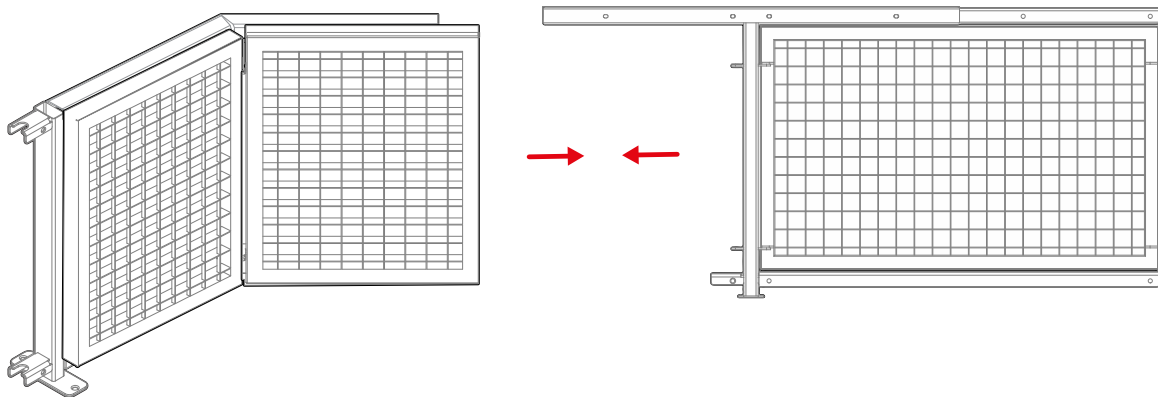
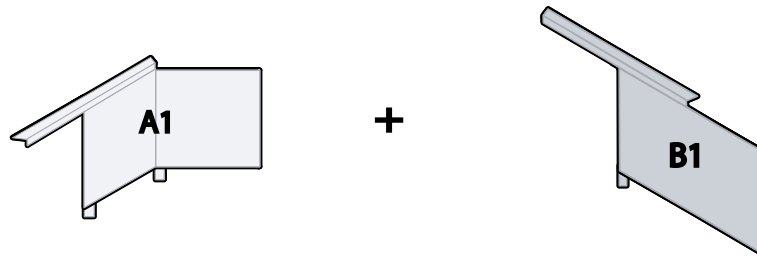


B.23

100 - 208	100 - 281	100 - 302
		
Bolt M8x20mm secured	Washer M8	Capnut M8



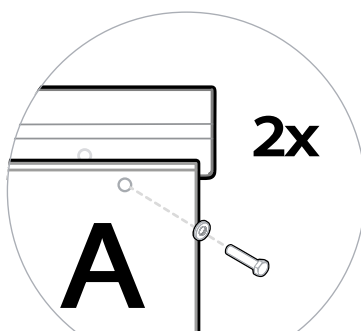
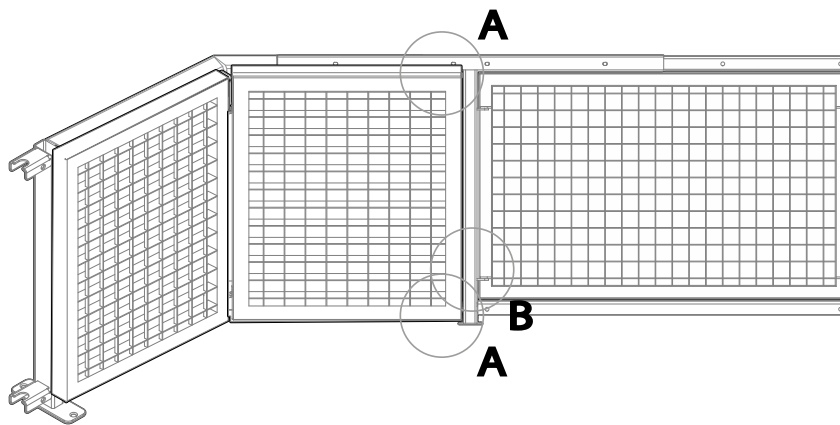
! This is an example of connecting the boarding. HPL and grid both have the same mounting principles!



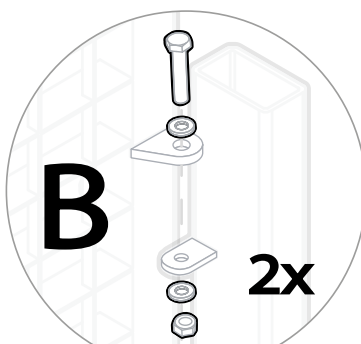
A

B

C



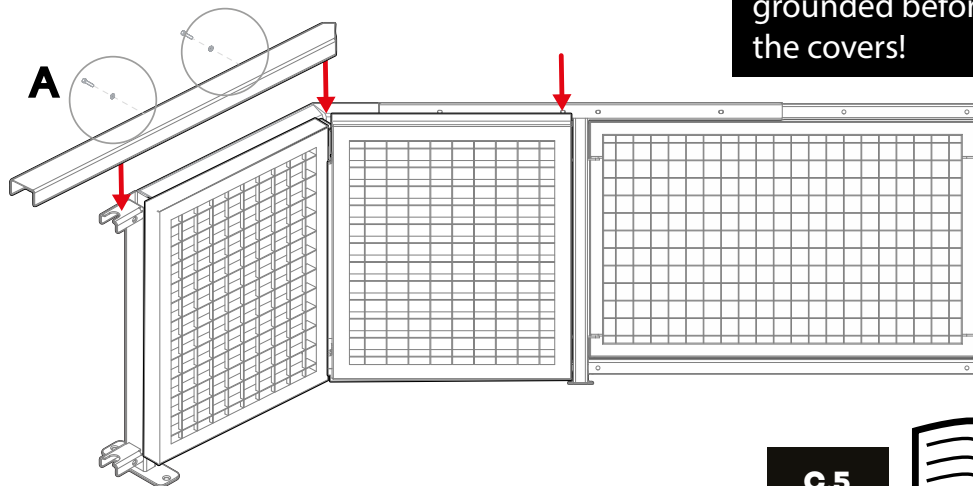
A only applies to HPL
boarding!



! B only applies to grid
boarding

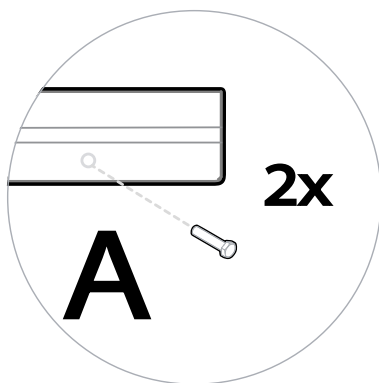
HPL
100 - 211
Bolt M8x30mm secured

Grid	
100 - 281	100 - 302
Washer M8	Capnut M8
100 - 208	100 - 211
Bolt M8x20mm secured	Bolt M8x30mm secured

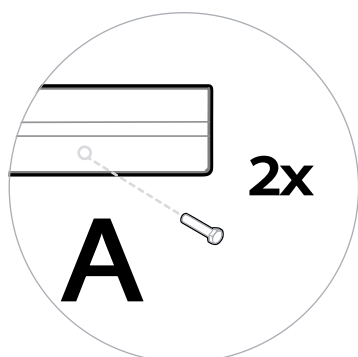
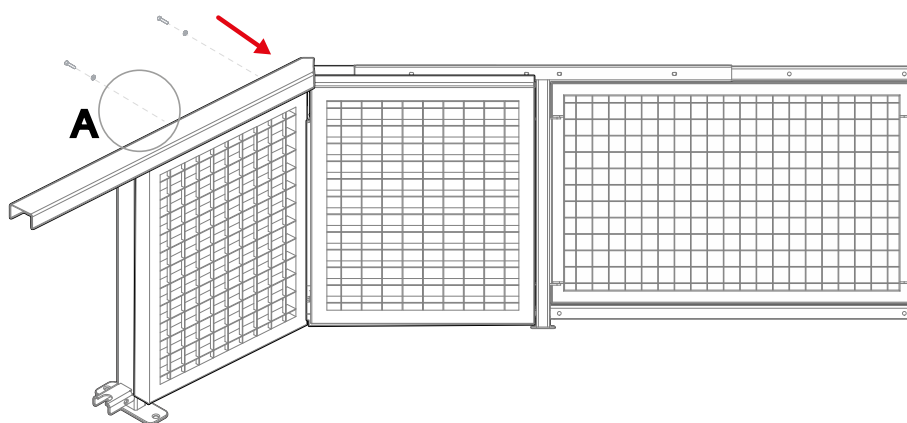


! The boardings need to be grounded before applying the covers!

C.5

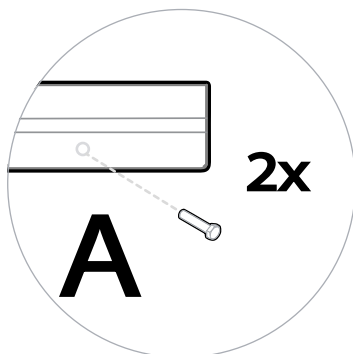
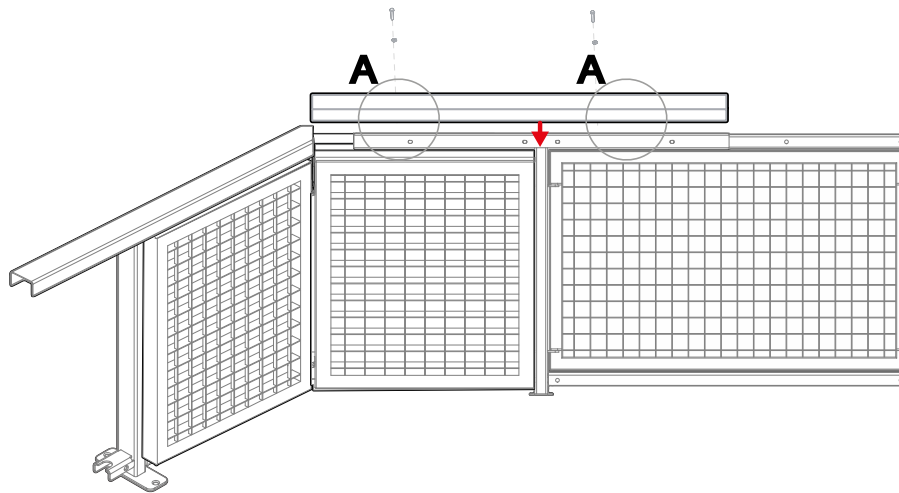


HPL&Grid		
100 - 211	100 - 281	100 - 302
		
Bolt M8x30mm secured	Washer M8	Capnut M8



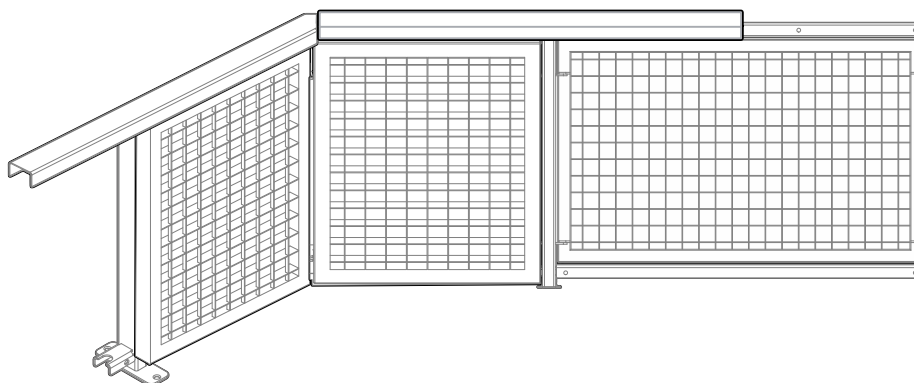
HPL&Grid		
100 - 211	100 - 281	100 - 302
		
Bolt M8x30mm secured	Washer M8	Capnut M8

B . 27



HPL&Grid		
100 - 211	100 - 281	100 - 302
		
Bolt M8x30mm secured	Washer M8	Capnut M8

B . 28



A

B

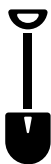
C

A

B

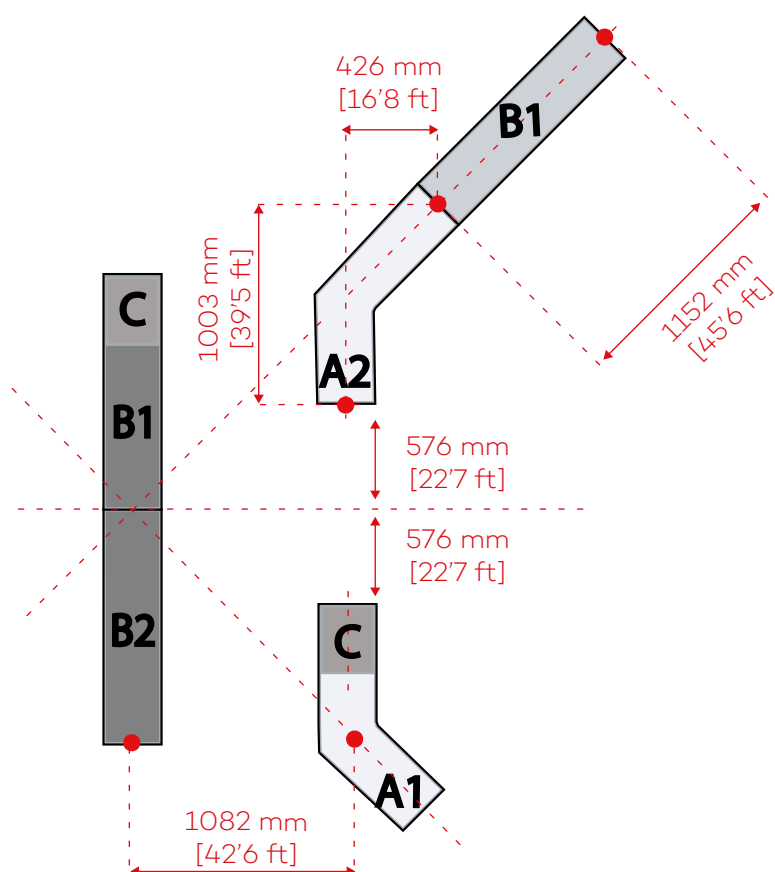
C

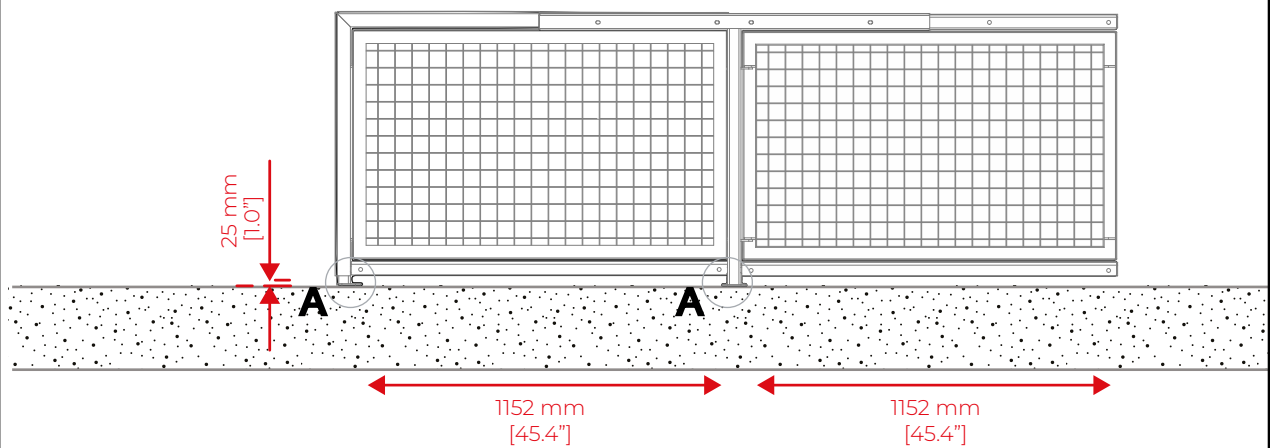
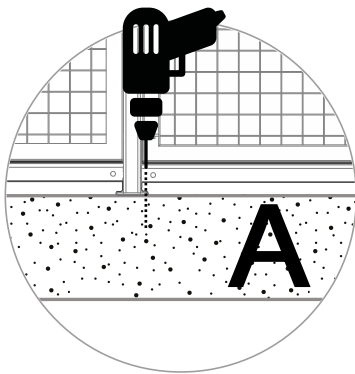
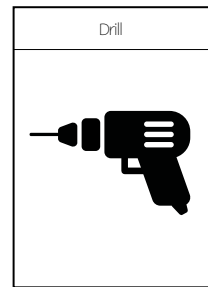
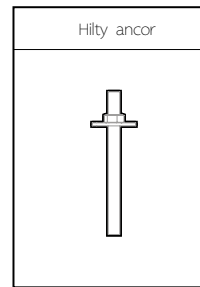
C



C.1

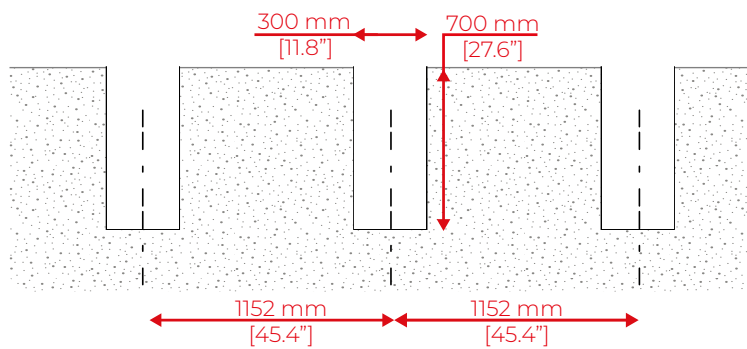
Top view





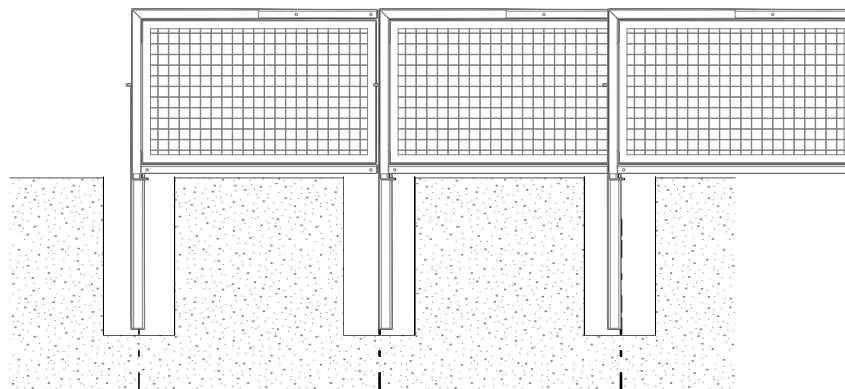
C.3 Deep mount

Shovel

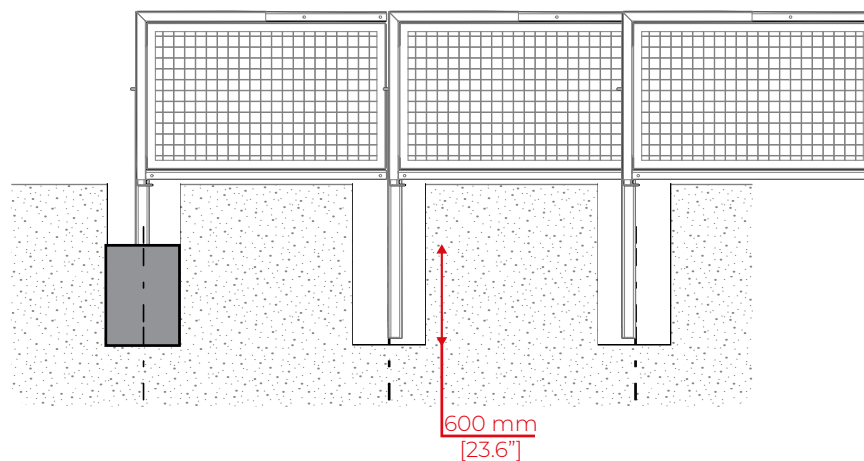
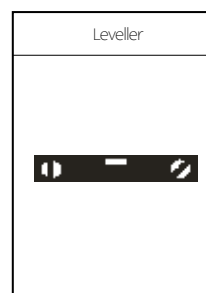


C.4

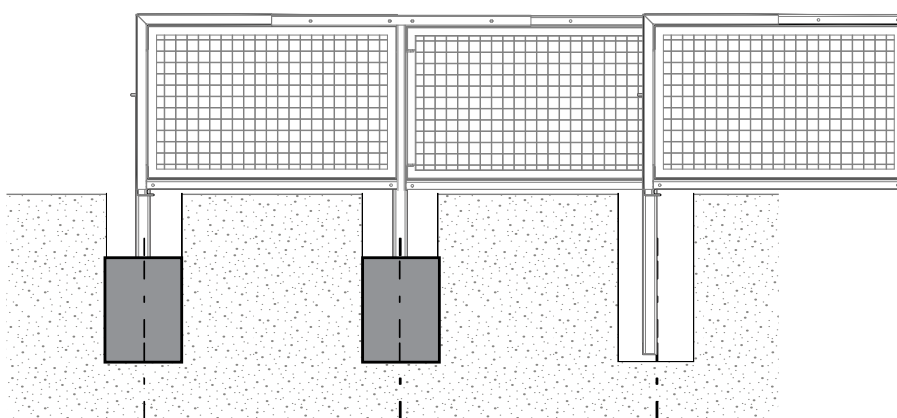
Leveller



C.5



C.6

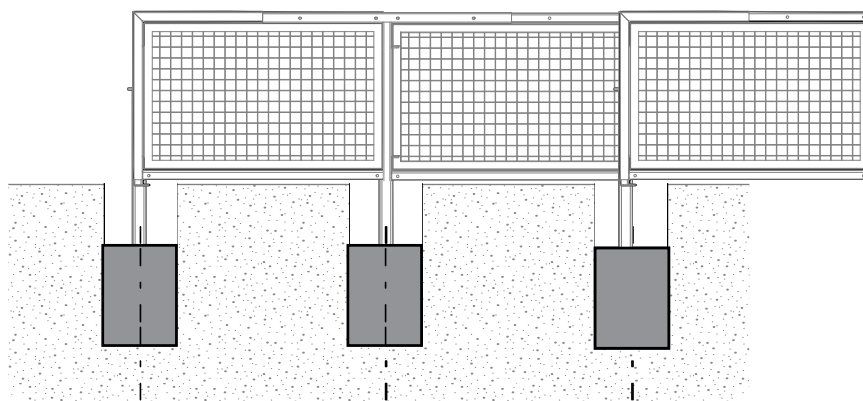


A

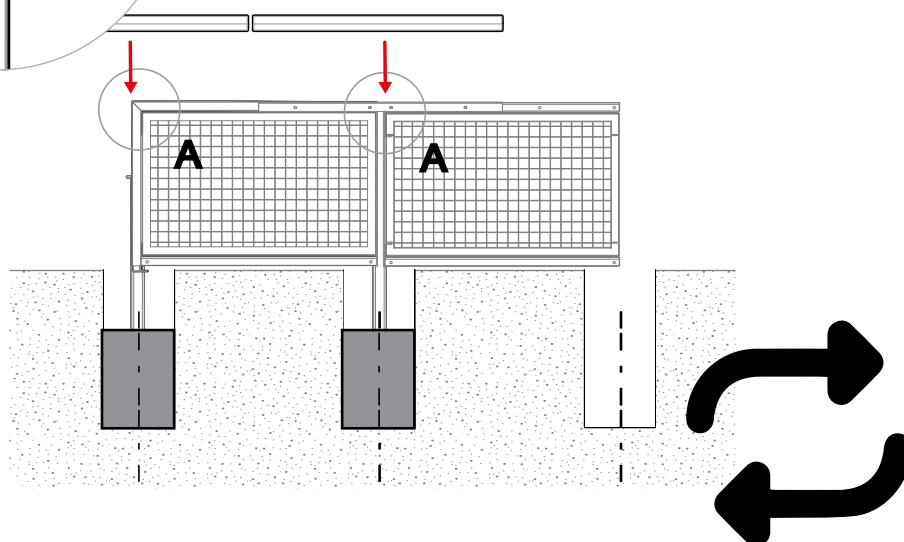
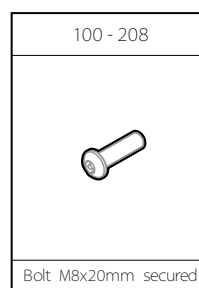
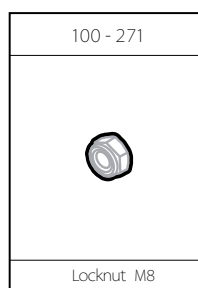
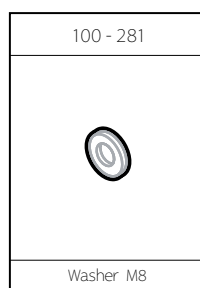
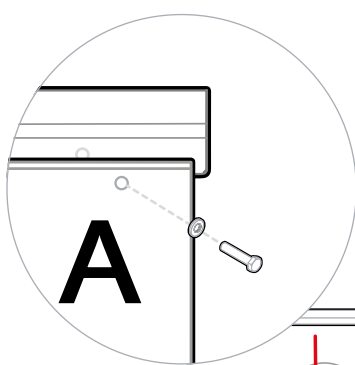
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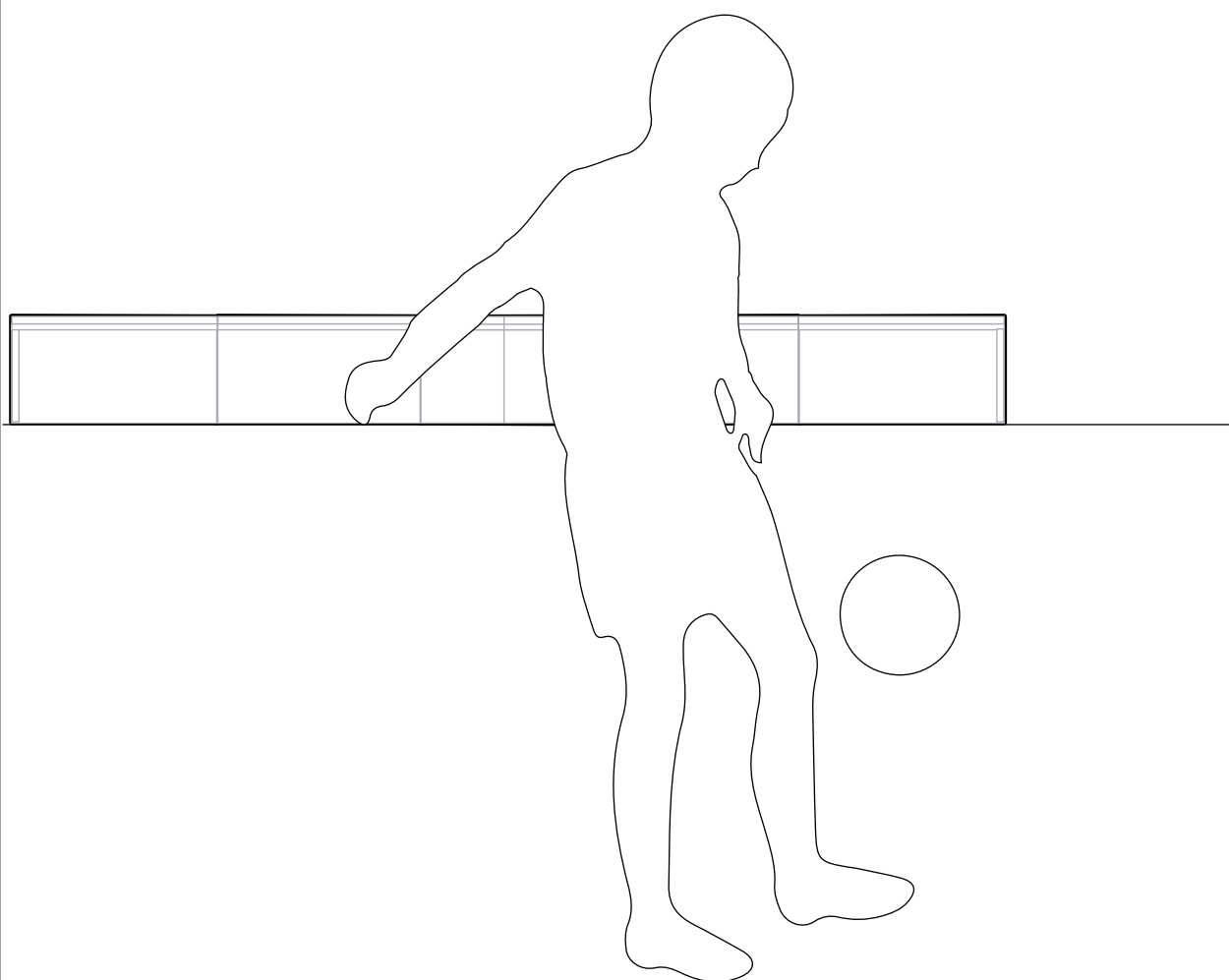
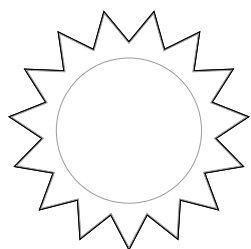
C

C.7



C.8





DISCLAIMER

This installation manual is for informational purposes only. The products described herein may be changed without prior notice.

This installation manual does not provide information on all possible product variations or accidental occurrences that may arise during the installation, use, or maintenance of the product.

Lappset has made every effort to ensure that this installation manual is accurate.

Lappset accepts no liability for any inaccuracies or omissions in this installation manual.

Lappset makes no representations or warranties regarding this installation manual or the products described herein.

Lappset is not liable for any damage, loss, costs, or expenses, whether direct, indirect, or incidental,

arising from or related to the use of this installation manual or the products described herein.

If more information is desired, or if problems arise that are not adequately addressed, or if you find information in this installation manual that is incorrect, misleading, or incomplete, we would greatly appreciate your comments and suggestions.

WARNING Important information! Failing to read this document can lead to serious injury and/or damage to the product.

- Please read this installation manual carefully and completely before installing the product. Follow each installation step carefully. Use common sense in installing this product. Contact us if you are unsure about the installation. Keep this manual for future reference.

FEATURES AND PARTS

PRODUCT FEATURES

Description	Metric	Imperial
<i>Model</i>		
Model	Flag A1	
Model nr.	037-200	
Country of Origin	Made in the Netherlands	
<i>Transport</i>		
Pallet material	Pinewood	
<i>Dimensions</i>		
Installed boarding (LxBxH)	1.57 x 0.5 x 0.8 m	61.8 x 19.68 x 31.5"
Weight		
Net weight boarding HPL surface mount	25.9 kg	57 lbs
Net weight boarding HPL deep mount	26.7 kg	58.9 lbs
Net weight boarding grid, surface mount	37 kg	81.6 lbs

Net weight boarding grid, deep mount	37.8 kg	83.33 lbs
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PRODUCT FEATURES

Description	Metric	Imperial
Model		
Model	Flag A2	
Model nr.	037-210	
Country of Origin	Made in the Netherlands	
Transport		
Pallet material	Pinewood	
Dimensions		
Installed boarding (LxBxH)	0.48 x 1.008 x 0.8 m	18.9 x 39.7 x 31.5"
Weight		
Net weight boarding HPL surface mount	24 kg	52.9 lbs
Net weight boarding HPL deep mount	24.8 kg	54.7 lbs
Net weight boarding grid, surface mount	40.4 kg	89.1 lbs
Net weight boarding grid, deep mount	41.2 kg	90.8 lbs

PRODUCT FEATURES

Description	Metric	Imperial
Model		
Model	Flag B1	
Model nr.	037-100	
Country of Origin	Made in the Netherlands	
Transport		
Pallet material	Pinewood	
Dimensions		
Installed boarding (LxBxH)	1.72 x 0,08 x 0.8 m	313 x 111 x 4"
Weight		
Net weight boarding HPL surface mount	25 kg	55.1 lbs
Net weight boarding HPL deep mount	25.8 kg	56.9 lbs

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Net weight boarding grid, surface mount	34 kg	74.9 lbs
Net weight boarding grid, deep mount	34.8 kg	76.7 lbs

PRODUCT FEATURES

Description	Metric	Imperial
Model		
Model	Flag B2	
Model nr.	037-300	
Country of Origin	Made in the Netherlands	
Transport		
Pallet material	Pinewood	
Dimensions		
Installed boarding (LxBxH)	1.172 x 0,08 x 0.8 m	313 x 111 x 4"
Weight		
Net weight boarding HPL surface mount	26 kg	57.3 lbs
Net weight boarding HPL deep mount	26.8 kg	59.1 lbs
Net weight boarding grid, surface mount	34.1 kg	75.2 lbs
Net weight boarding grid, deep mount	34.9 kg	76.9 lbs

PRODUCT FEATURES

Description	Metric	Imperial
Model		
Model	Flag C	
Model nr.	037-400	
Country of Origin	Made in the Netherlands	
Transport		
Pallet material	Pinewood	
Dimensions		
Installed boarding (LxBxH)	0.6 x 0,08 x 0.8 m	313 x 111 x 4"
Weight		
Net weight boarding HPL surface mount	7 kg	15.4 lbs

Net weight boarding HPL deep mount	7.8 kg	17.2 lbs
Net weight boarding grid, surface mount	7 kg	15.4 lbs
Net weight boarding grid, deep mount	7.8 kg	17.2 lbs

STANDARDS

Standards

Europe

EN 15312

PARTS LIST

WARNING Never repair a defect without consulting Lappset.

WARNING Never replace parts with non-original Lappset parts. The Lappset product is certified as a complete product, where the parts have been carefully selected to ensure safety and quality.

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Number	Description	Amount	Material	Treatment
037-200HPL (Flag A1)	HPL			
037-120 (surface mount)	Mid post low	1	Steel	HDG/powdercoat
038-120 (deep mount)	Mid post low	1	Steel	HDG/powdercoat
037-202	Corner cover	1	Steel	HDG/powdercoat
037-235	Lower corner girder	1	Steel	HDG/powdercoat
037-245	High corner girder	1	Steel	HDG/powdercoat
037-201	HPL plate 572,5x765 mm	2	HPL	
100-405	EPDM ZK Rubber 10 x 4 mm, per m	3.3	EPDM	
100-401	EPDM ZK Rubber 25 x 5 mm, per m	1.75	EPDM	
100-211	Resistor x buttonhead M8x30	15	Steel	Lubocoat
100-201 (pre mounted)	Rivet nut steel PVK 1.5-4.5 M8	15	Steel	Galvanized
100-509	TEC7 Black Sealant (per meter, front and back) 3Mtr. Per tube	1.5		

Number	Description	Amount	Material	Treatment
037-210HPL (Flag A2)	HPL			
037-235	Lower corner girder	1	Steel	HDG/powdercoat
037-245	High corner girder	1	Steel	HDG/powdercoat
037-290	Corner cover	1	Steel	HDG/powdercoat
037-361 (deep mount)	End post left low	1	Steel	HDG/powdercoat
037-360 (surface mount)	End post left low	1	Steel	HDG/powdercoat
037-201	HPL plate 572,5x765 mm	2	HPL	
100-405	EPDM ZK Rubber 10 x 4 mm, per m	3.3	EPDM	

Number	Description	Amount	Material	Treatment
037-200GR (Flag A1)	GRID			
037-161 (deep mount)	GR Mid post low	1	Steel	HDG/powdercoat
037-130 (surface mount)	GR Mid post low	1	Steel	HDG/powdercoat
037-180	GR Grid half corner	2	Steel	HDG/powdercoat
037-181	GR Connector	4	Steel	HDG/powdercoat
037-203	GR Corner cover	1	Steel	HDG/powdercoat
080-235	GR corner lower girder	1	Steel	HDG/powdercoat

080-245	GR corner upper girder	1	Steel	HDG/powdercoat
100-211	Resistor x buttonhead M8x30	13	Steel	Galvanized
100-208	Resistor x buttonhead M8x20 Dri-Loc 2045	5	Steel	Galvanized
100-201	Rivet nut Steel PVK 1.5- 4.5 M8	11	Steel	Galvanized
100-302	Capnut D1587 A2 M8	5	Stainless	
100-281 A2	Washer D125A A2 M8	9	Stainless	

Number	Description	Amount	Material	Treatment
037-500GR (Flag A2)	GRID			
037-180	GR Grid Half corner	2	Steel	HDG/powdercoat
037-181	GR Connector grid corner	4	Steel	HDG/powdercoat
080-235	GR corner lower girder	1	Steel	HDG/powdercoat
080-245	GR corner upper girder	1	Steel	HDG/powdercoat
037-295	Corner cover end left	1	Steel	HDG/powdercoat
037-140 (surface mount)	Post grid low	1	Steel	HDG/powdercoat
037-150 (deep mount)	Post grid low	1	Steel	HDG/powdercoat
100-211	Resistor x buttonhead M8x30	13	Steel	Galvanized
100-208	Resistor x buttonhead M8x20 Dri-Loc 2045	5	Steel	Galvanized
100-201	Rivet nut Steel PVK 1.5-4.5 M8	11	Steel	Galvanized
100-302	Cap nut D1587 A2 M8	5	Stainless	
100-281 A2	Washer D125A A2 M8	9	Stainless	
Number	Description	Amount	Material	Treatment
037-100GR (Flag B1)	GRID			
037-161 (deep mount)	GR Mid post low	1	Steel	HDG/powdercoat
037-130 (surface mount)	GR Mid post low	1	Steel	HDG/powdercoat
037-170	GR Grid low	1	Steel	HDG/powdercoat
037-341	GR uppergirder	1	Steel	HDG/powdercoat
037-342	GR lower girder	1	Steel	HDG/powdercoat
037-402	GR cover	1	Steel	HDG/powdercoat
100-211	Resistor buttonhead M8x30	11	Steel	Galvanized
100-208	Resistor x buttonheadM8x20 Dri-Loc 2045	5	Steel	Galvanized
100-201	Rivet nut Steel PVK 1.5-4.5 M8	11	Steel	Galvanized
100-302	Capnut D1587 A2 M8	5	Stainless	
100-281 A2	WasherD125A A2 M8	5	Stainless	
Number	Description	Amount	Material	Treatment
037-300GR (Flag B2)	GRID			
037-170	GR Grid low	1	Steel	HDG/powdercoat

037-341	GR Upper girder	1	Steel	HDG/powdercoat
037-342	GR Lower girder	1	Steel	HDG/powdercoat
037-380 (surface mount)	GR Endpost grid	1	Steel	HDG/powdercoat
037-363 (deep mount)	GR Endpost grid	1	Steel	HDG/powdercoat
080-320	GR Endcover	1	Steel	HDG/powdercoat
100-211	Resistor x buttonhead M8x30	11	Steel	Galvanized
100-208	Resistor x button head M8x20 Dri-Loc 2045	5	Steel	Galvanized
100-201	Rivet nut Steel PVK 1.5-4.5 M8	11	Steel	Galvanized
100-302	Cap nut D1587 A2 M8	5	Stainless	
100-281 A2	Washer D125A A2 M8	5	Stainless	
Number	Description	Amount	Material	Treatment
037-400GR (Flag C)	GRID			
037-370 (surface mount)	GR End post grid	1	Steel	HDG/powdercoat
037-362 (deep mount)	GR End post grid	1	Steel	HDG/powdercoat
080-420	GR End cover left	1	Steel	HDG/powdercoat
100-211	Resistor x buttonhead M8x30	11	Steel	Galvanized
100-201	Rivet nut Steel PVK 1.5-4.5 M8	11	Staal	Galvanized
100-302	Cap nut D1587 A2 M8	5	Stainless	
100-281 A2	Washer D125A A2 M8	9	Stainless	

NOT INCLUDED MATERIALS

Level

Allen key T50

Bit T50

Shovel

Tape measure

Cordless drill

Utility knife

Ground installation

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Rapid drying concrete (C20/C25 ± 15 ltr (40 kg rapid drying NEN -EN206-1/-8005)	88.18 lbs concrete (dry)) per post
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Surface installation

Hammer drill

Chemical anchor (4000N) e.g. 2 x M10 per post
Hilti HIT 170 with 8.8 anchor
M10 (in combination with
C20/C25 concrete)

A. PREPARATION

WARNING Failing to take the proper precautions can result in accidents and/or damage.

WARNING Follow the manufacturer's safety instructions when using heavy equipment.

CAUTION Those who place or transport the product must wear the necessary safety clothing.

- Check the pallet for damage and/or loose parts before transportation. Report any damage or loose parts immediately to the supplier. The use of heavy equipment must be done by a certified individual.
- Always use the provided pallet and transportation materials for transport. Additional equipment may be needed to safely transport the product.
- Ensure that the material used can support the weight and size of the product.
- Unpack the product as close as possible to the final installation site to minimize damage during internal transport.

A.1 Standard combinations

A.2 Flag overview including weights

A.3 Amount of standard flags for building multiple combinations.

A.4 to A.11 BOM of General Assembly of a Building Element HPL and Grid

A.5 to A.9 shows the HPL parts out of which the various building blocks consist and where

these blocks are located in the assembly after installation.

A.10 to A.14 show the Grid parts out of which the various building blocks consist and where these blocks are located in the assembly after installation.

- Note: This is only an example of assembly and serves as a general method for assembling the building elements. Further in the manual, each part of the building element is described separately.

CAUTION In this step, the elements B and F, mentioned in A.3 'General mounting example', are not yet installed. These elements will only be mounted at the end of the assembly, after all other parts have been connected.

CAUTION Those unpacking the product must wear the required protection and clothing.

CAUTION Do not unpack the product before it has arrived at the final installation site to prevent damage.

- Use a forklift or similar, to load and unload the pallets.
Check the product for damage and missing parts during unpacking.
Reuse and recycle the packaging material appropriately.

WARNING Assembly of the surface mount option is only possible if the surface consists of at least 15 cm of good quality concrete.

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B. GROUND INSTALLATION

NOTICE Ensure that all preparations have been made as described in Chapter A.

NOTICE Before starting the assembly of all parts, carry out step C.2 of this manual and prepare the groundwork!!

B.1 Assembly overview.

B.2 HPL Flag A1 and A2: If necessary, degrease the metal parts and apply double-sided tape. Place the narrow tape (10x4) on the horizontal supports and the wider tape (25x5) on the uprights.

B.3 HPL Flag A1 and A2: Install 6 of the 8 assembly bolts as shown in the image.

- Note: The last 2 bolts are applied when coupling the building blocks.

B.4 HPL Flag A1 and A2: Mount the covers on the uncovered flag

- Note: Do this AFTER all the uncovered flags are mounted!

B.6 HPL Flag B: If necessary, degrease the metal parts and apply double-sided tape. Place the narrow tape (10x4) on the horizontal supports and the wider tape (25x5) on the uprights.

B.7 HPL Flag B: Install 6 of the 8 assembly bolts as shown in the image.

- Note: The last 2 bolts are applied when coupling the building blocks.

B.8 HPL Flag B: Mount the covers on the uncovered flag

- Note: Do this AFTER all the uncovered flags are mounted!

B.10 HPL Flag C: Install 6 of the 8 assembly bolts as shown in the image.

- Note: The last 2 bolts are applied when coupling the building blocks.

B.11 HPL Flag C: Mount the covers on the uncovered flag

- Note: Do this AFTER all the uncovered flags are mounted!

B.13 Grid HPL Mounting flags

B.14 GRID Flag A1 and A2: Connect the uprights at the top by mounting the horizontal bracket.

B.15 HPL Place the grille in this building block in advance. Install 6 of the 8 assembly bolts as shown in the image.

- Note: The last 2 bolts are applied when coupling the building blocks.

CAUTION Tighten bolts carefully to prevent damaging the paint.

B.15 GRID Flag A1 and A2: Mount the covers on the uncovered flag

- Note: Do this AFTER all the uncovered flags are mounted!

B.16 GRID Flag B: Install 6 of the 8 assembly bolts as shown in the image. Place grilles. Carefully hang the grilles to prevent damage to the paint. Place protective materials, such as cardboard or similar, between the grilles and the covers before placing the grilles.

- Note: The last 2 bolts are applied when coupling the building blocks.

CAUTION Tighten bolts carefully to prevent damaging the paint.

B.17 GRID Flag B: Mount the covers on the uncovered flag

- Note: Do this AFTER all the uncovered flags are mounted!

B.18 GRID Flag B1 C: Mount the covers on the uncovered flag

- Note: Do this AFTER all the uncovered flags are mounted!

B.21 Connecting flags

- Note: This is an example of connecting the boarding. This example applies for both Grid as HPL, because both have the same mounting principles!
- Note: Always work from left to right!

B.23 Mount the flags together with 2 assembly bolts as shown in the image.

- Note: ONLY for the Grid mount the grid to the post

B.24 After all building blocks are coupled, apply the covers. Ensure that the seams are evenly distributed and of equal size.

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