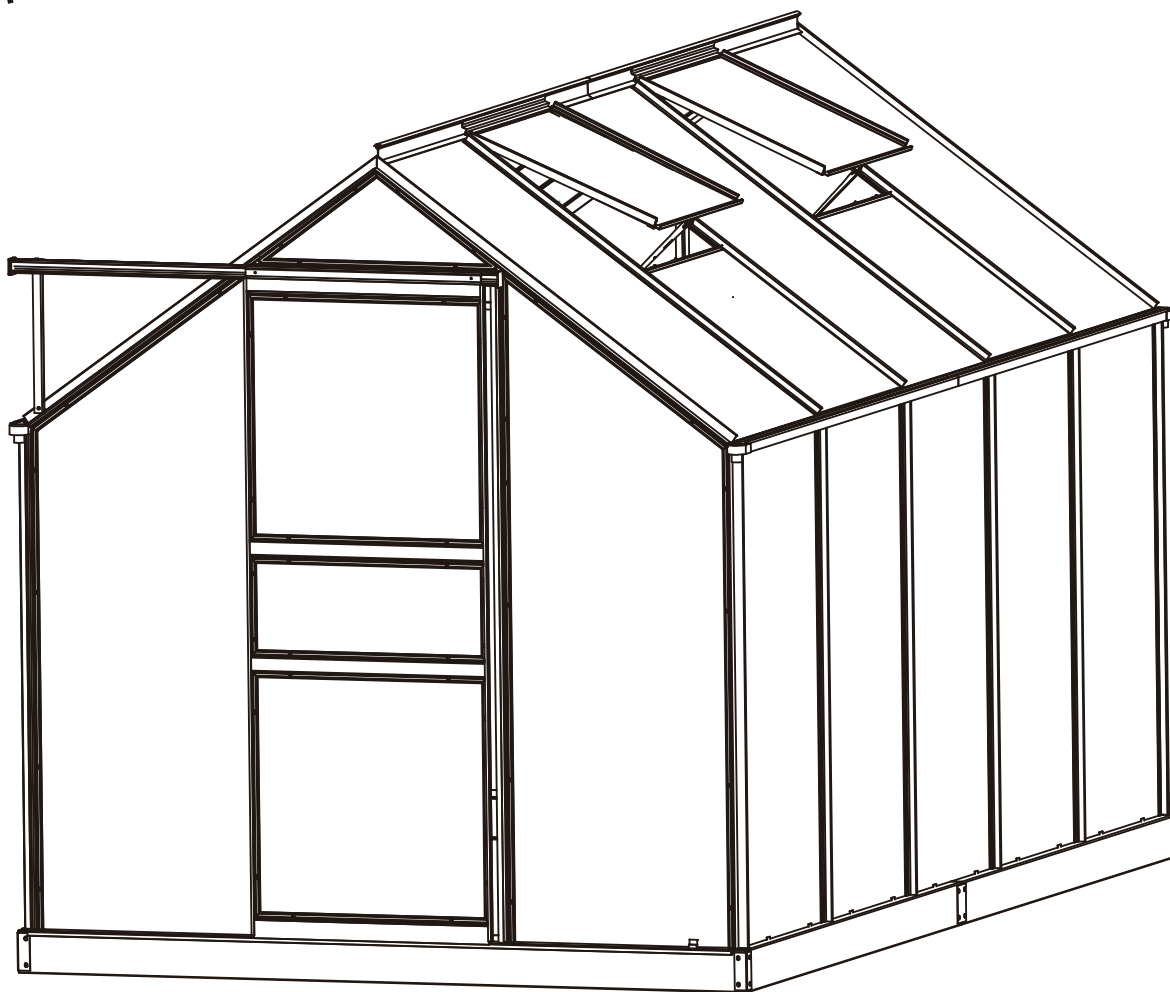


GOODiY

PRICE
MATTERS.



Greenhouse 5,9m² black 502686121

Instruction manual
Käyttöohje
Bruksanvisning
Bruksanvisning
Kasutusjuhend

GB 1 - 23
FI 24- 46
SE 47- 69
NO 70- 92
EE 93-115

GB: Instructional video on assembly can be watched on the product site in the K-Rauta.fi online store.

FI: Ohjevideo kokoamisesta katsottavissa tuotesivulla K-Rauta.fi verkkokaupassa.

SE: Instruktionsvideo om montering finns på produktsidan i K-Rauta.fi webbutik

NO: Instruksjonsvideo om montering kan sees på produktsiden i K-Rauta.fi nettbutikk

EE: Montaažiteemalist õppevideot saab vaadata K-Rauta.fi e-poe tootelehel

GB

PLACING:

- Do not place the greenhouse in an area exposed to very strong winds.
- Choose a sunny, flat place without overhanging trees.

ASSEMBLY:

Assembly preparations:

- We recommend to wear gloves and safety glasses during assembly.
- Keep children away from the installation area.
- Do not install the greenhouse in windy or wet conditions.
- For assembly you need as tools at least an electric screwdriver/drill and a measuring tape
- It takes 2-3 days to get the greenhouse fully finished
- Some assembly steps require two people

During assembly:

- Keep small parts (screws, etc.) in the boxes and bags so they don't get lost.
- Each part is numbered and the corresponding number can be found in the assembly instructions.
- Start assembly by arranging parts with the same number in their own groups around the installation site. The aluminum frame of the greenhouse is built first and the PC-panels are added last.
- Tighten the screws to their full tightness only when you are sure that the assembly step is correctly made
- Make sure the greenhouse is anchored well enough into the ground

Instructions for mounting the polycarbonate panels:

- Clear transparent PC panels are used for walls and hollow 4mm PC panels are used for roof.
- Film protects the PC panels and it should be kept on to protect the panels during assembly and removed only when mounting the panel.
- Handle the polycarbonate wall and roof panels with special care so that they do not get scratched during the assembly .
- Tip! If you want, you can close the openings at the end of the 4mm roof panels with a transparent tape, (tape not included in the packaging)so that moisture or dirt does not get into the panel so easily. This makes the panel to keep good light transmission and last longer.

Remove the protective films from the wall and roof polycarbonate panels before installing them in place. The color of the protective film indicates which side of the panel is UV-protected (installation facing the sun). See below!

Wall panels 1,2 mm:

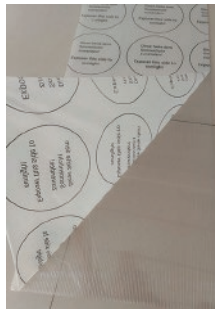


White protective film on the 1,2 mm wall panels indicates the UV protected side of the panel.



Transparent protective film on the 1,2 mm wall panels indicates the UV unprotected side of the panel.

Roof panels 4,0 mm



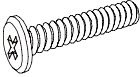
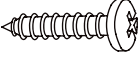
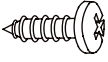
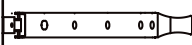
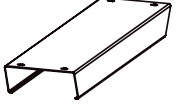
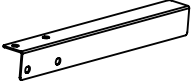
White protective film on the 4,0 mm roof panels indicates the UV protected side of the panel.



Transparent protective film on the 4,0 mm roof panels indicates the UV unprotected side of the panel.

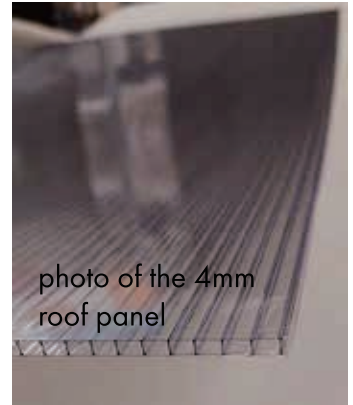
Instructional video on assembly can be watched on the product site in the K-Rauta.fi online store.

Art.Nr.	Picture	Qty.	Dimension(mm)		Art.Nr.	Picture	Qty.	Dimension(mm)
1		4	1215		22		4	1304
2		1	1134		23		2	594
3		1	1134		24		1	610
4		1	1134		25		2	1304
5		1	1134		26		2	610
6		1	1647		27		1	610
7		1	1647		28		4	520
8		1	1675		29		1	608
9		1	1675		30		2	590
10		8	1215		31		2	590
11		8	1114		32A		2	1508
12		1	603		32B		2	1508
13		4			32C		2	170
14		1	1250		33		1	1506
15		2	634		33A		1	1506
16		1	1822		33C		1	170
17		1	1822		34A		2	1508
18		4			34B		2	1508
19		1	380		34C		2	170
20		2	1608		35		1	563
21		1	1814		36		2	

Art.Nr.	Picture	Qty.	Dimension(mm)		Art.Nr.	Picture	Qty.	Dimension(mm)
37		1			52		6	609
38		1	M6*30		53		4	565
39		2			54		2	215
40		169	M6*10		55		24	1213
41		14	M5*18		2A		1	695
41A		2	M4*18		2B		1	355
42		12	M4*8		3A		1	695
43		20			3B		1	355
44A		2			4A		1	695
44B		2			4B		1	355
45A		1			5A		1	695
45B		1			5B		1	355
46		2			6A		1	1645
47		174	M5*8		7A		1	1645
48		170	M6		8A		1	1645
49		2	1884		8B		1	1650
49A		4	1538		9A		1	1645
49B		2			9B		1	1650
50		4	199		12A		1	540
51		8			56		72	
					57		50	

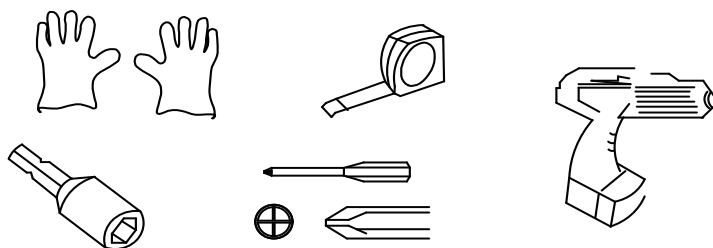
PC PANELS

Art.Nr.	Qty.	Picture	Dimension(mm)	
1	11PC		590x1212	clear 1.2mm panel for the walls
2	8PC		605 × 1130	4mm panel for the roof
3A	1PC		590x1653	clear 1.2mm panel for the walls
3B	1PC		590x1653	clear 1.2mm panel for the walls
3C	1PC		590x1653	clear 1.2mm panel for the walls
3D	1PC		590x1653	clear 1.2mm panel for the walls
4	2PC		605 × 585	4mm panel for the roof
5	2PC		595 × 550	4mm panel for the roof
6	1PC		590x660	clear 1.2mm panel for the walls
7	1PC		610x245	clear 1.2mm panel for the walls
8	1PC		590x225	clear 1.2mm panel for the walls
9	2PC		610x602	clear 1.2mm panel for the walls



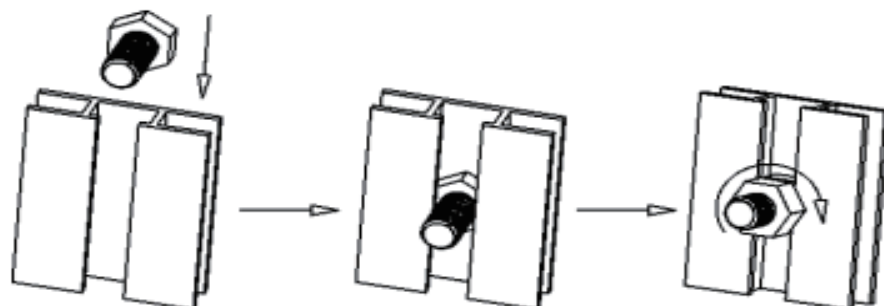
We recommend tearing off the protection films after the panel is put in its place in the greenhouse frame, so you stay aware of which side is UV-protected and the sides don't get mixed up during the assembly. A good way is to remove approx. 5cm of the protective film from all edges of the panel before mounting the panel in the alu frame (so that it doesn't get under the screws and alu strips), and when the panel is fixed in the frame you can completely tear off the protective films.

We recommend to get the following tools available for assembly

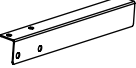
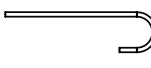


(packaging includes one spanner to twist the nuts)

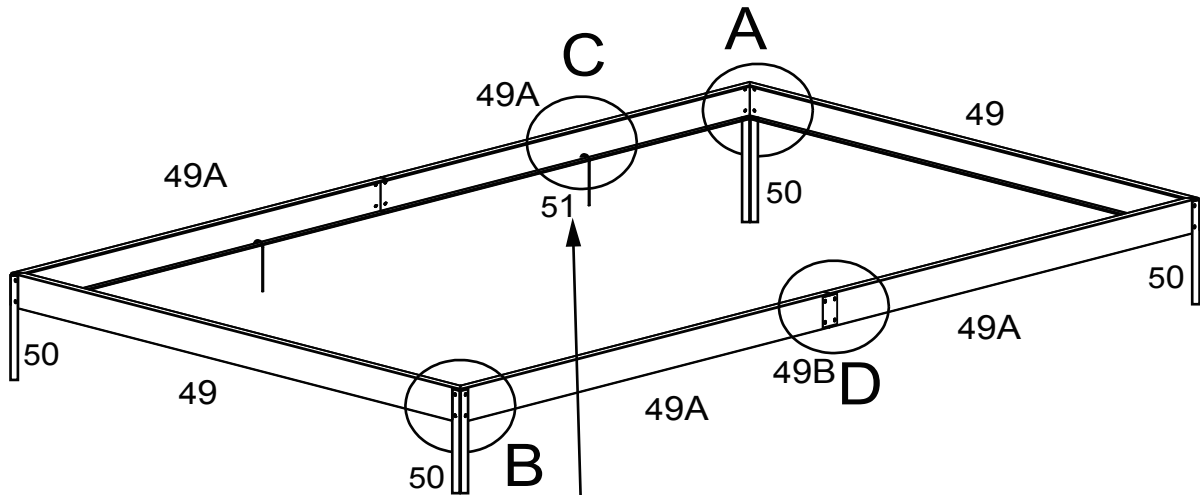
This is how you slide the screws into the grooves of the aluminum rails



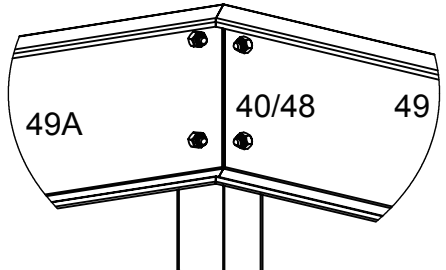
FOUNDATION ASSEMBLING

Art.Nr.	Qty.	Picture	Art.Nr.	Qty.	Picture
40	24PC		49B	2PC	
48	24PC		50	4PC	
49	2PC		51	8PC	
49A	4PC				

Using number 50 to attach number 49, then using number 40 screw to fix from outside, then using number 48 nut to tight, then using number 51 ground pegs to fix to the ground. Part number 50 is put into the ground for its whole lenght, to hold the greenhouse base in place.

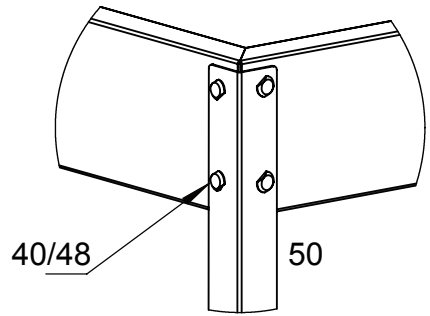


A



Part A is the inner side, please pay attention to number 40 and number 48 assembling directions

B



Part B is outside, please pay attention to number 40 assembling direction

C



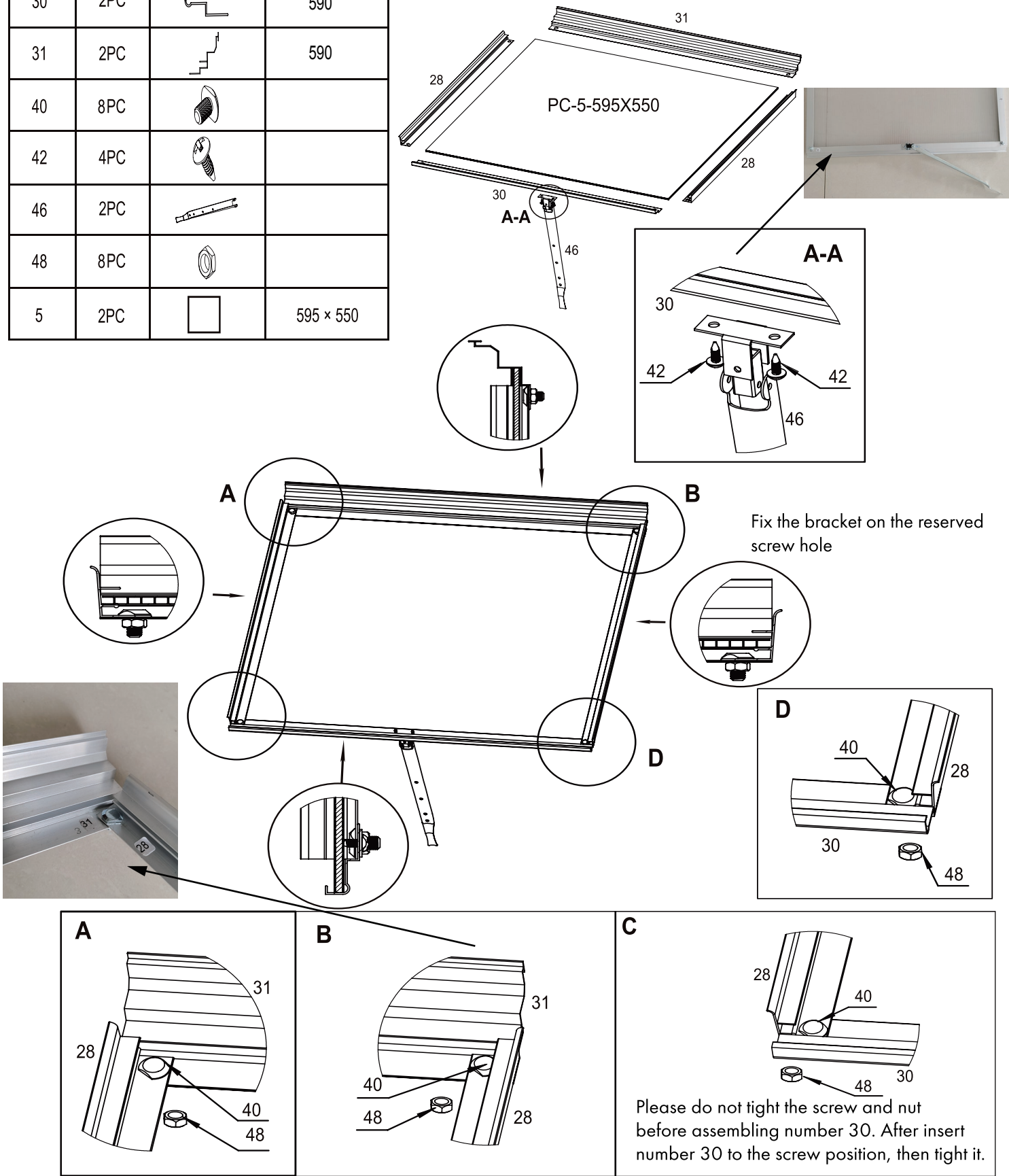
Part C is inner side, please pay attention to how to install number 51

Instructional video on assembly can be watched on the product site in the K-Rauta.fi online store.

ROOF WINDOW ASSEMBLING

Art.Nr.	Qty.	Picture	Dimension(mm)
28	4PC		520
30	2PC		590
31	2PC		590
40	8PC		
42	4PC		
46	2PC		
48	8PC		
5	2PC		595 x 550

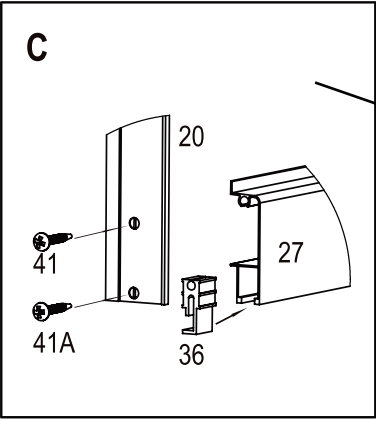
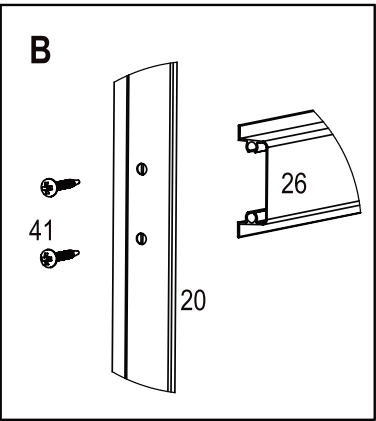
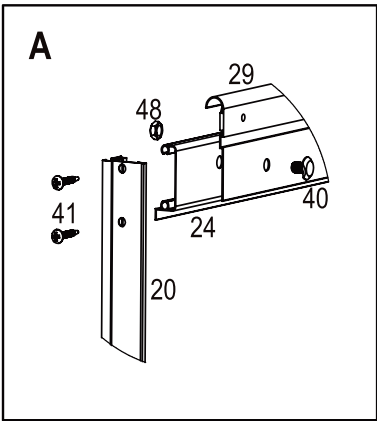
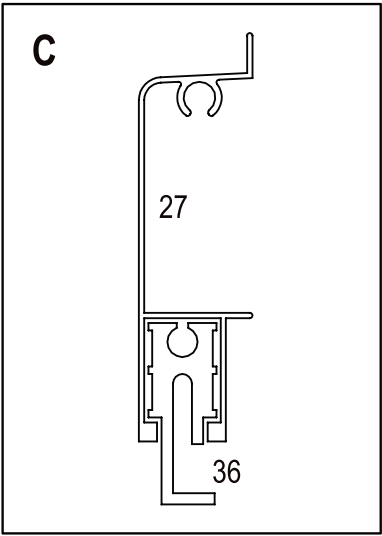
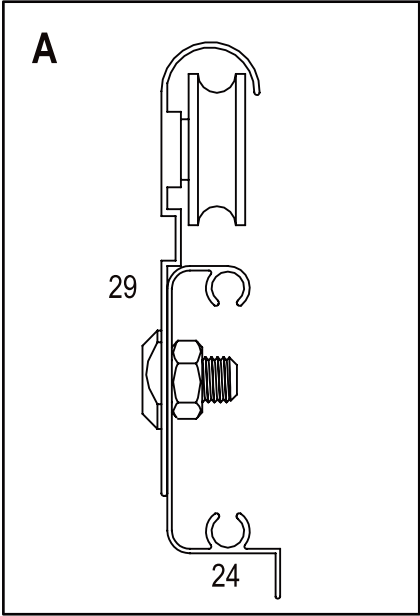
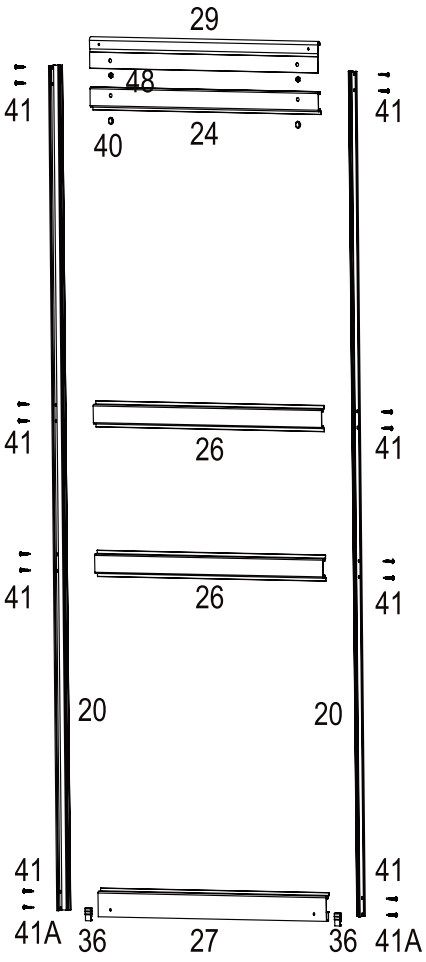
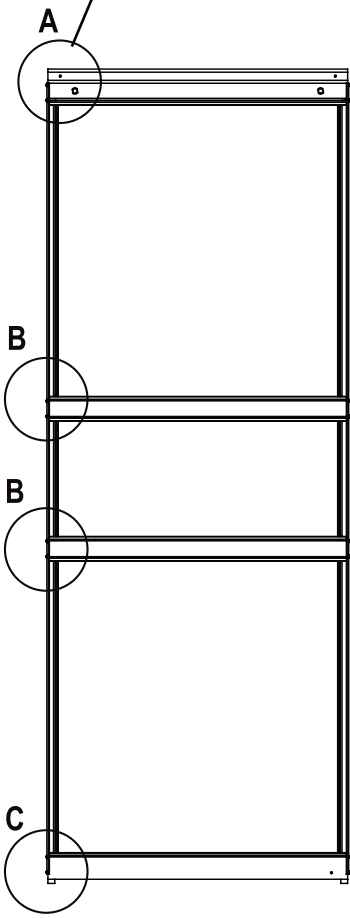
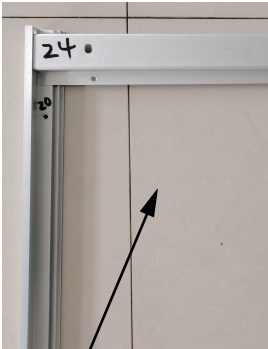
Please layout the exploded diagrams as below picture, insert number 40 screws from top to bottom, assemble number 28 and number 31 first, then assemble number 5 panel, next step to attach number 30



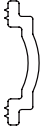
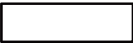
White protection film side with UV protection, should toward the sun. Transparent protection film side without UV protection towards inside of the greenhouse.

ASSEMBLE THE FRAME OF SLIDING DOOR

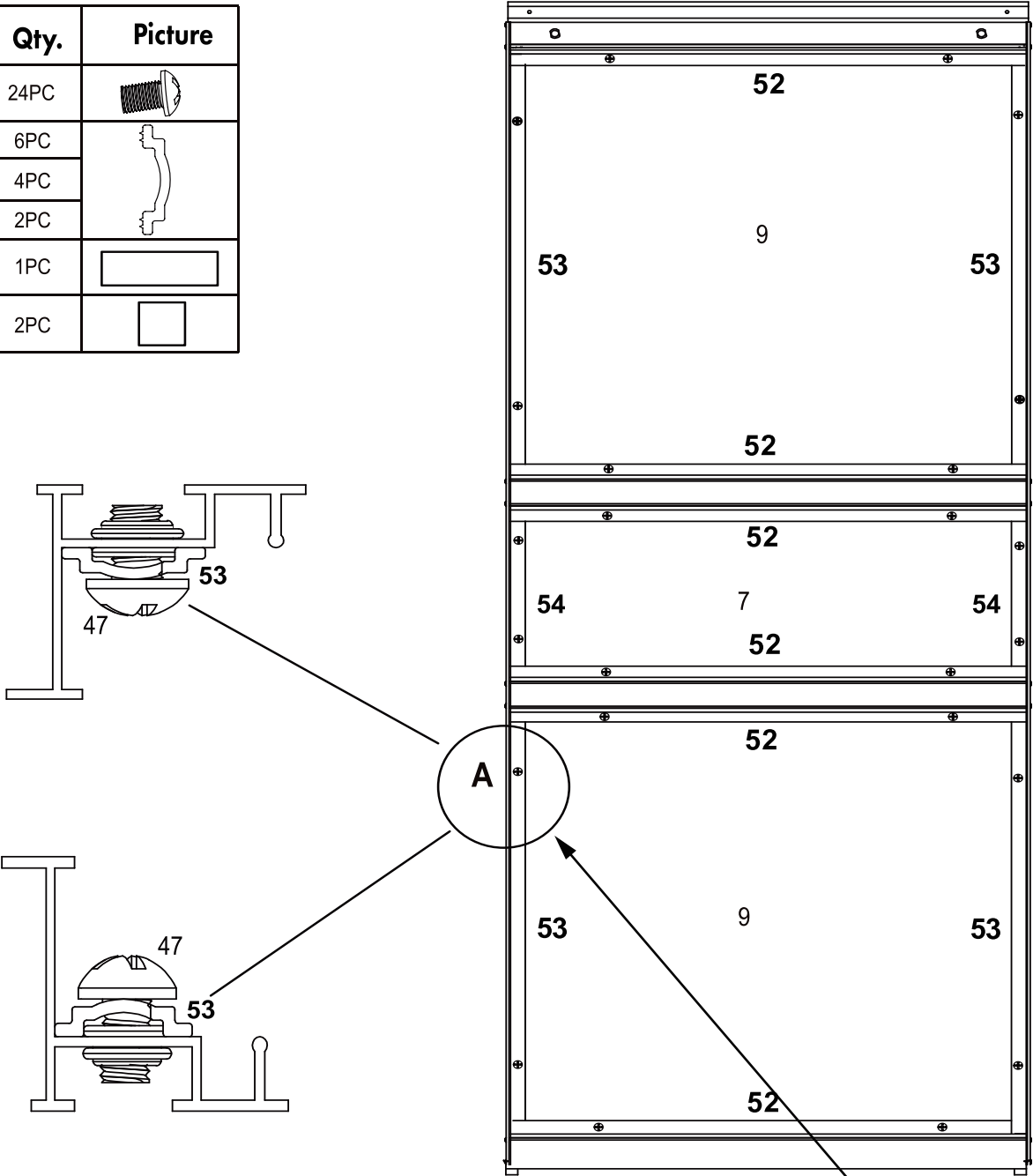
Art.Nr.	Qty.	Picture	Dimension(mm)
20	2PC		1608
24	1PC		610
26	2PC		610
27	1PC		610
29	1PC		605
36	2PC		
40	2PC		
41	14PC		
41A	2PC		
48	2PC		



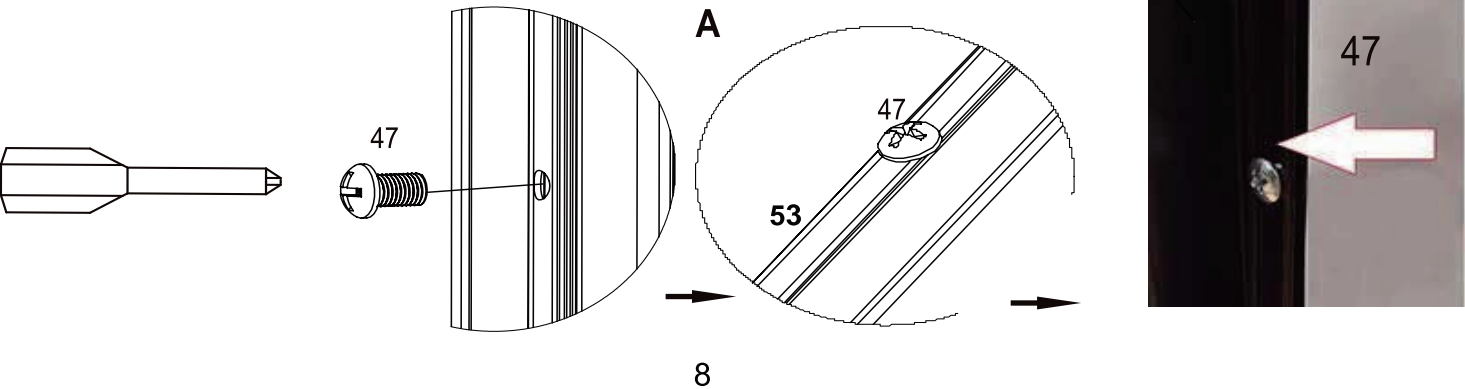
ASSEMBLE THE PANEL FOR THE SLIDING DOOR

Art.Nr.	Qty.	Picture
47	24PC	
52	6PC	
53	4PC	
54	2PC	
7	1PC	
9	2PC	

White protection film side with UV protection, should toward the sun. Transparent protection film side without UV protection. We recommend tearing off the protection films after the panel is put in its place in the greenhouse frame, so you stay aware of which side is UV-protected and the sides don't get mixed up during the assembly.

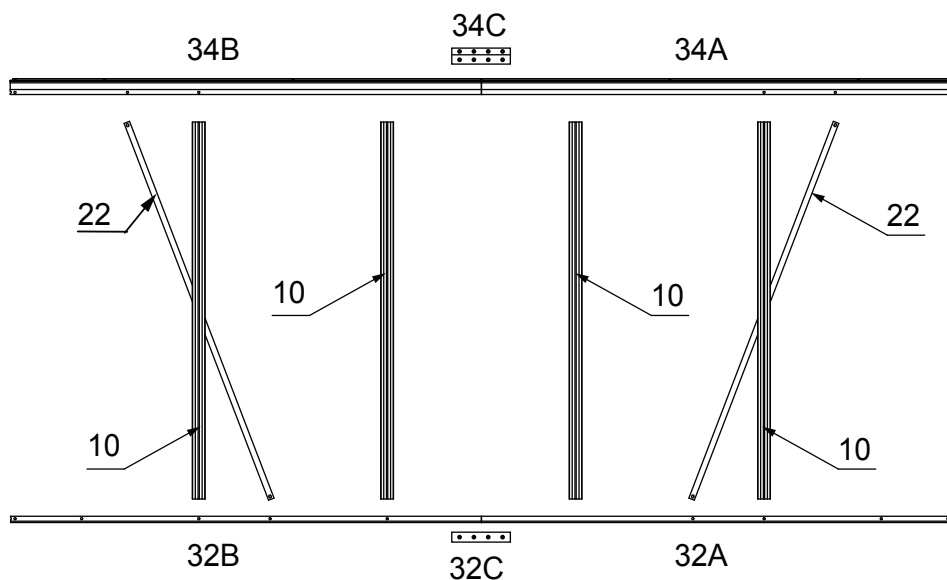


Please use a tool to tight the number 47 screw



ASSEMBLE THE LEFT-HAND (LOOKING FROM THE DOOR) WALL

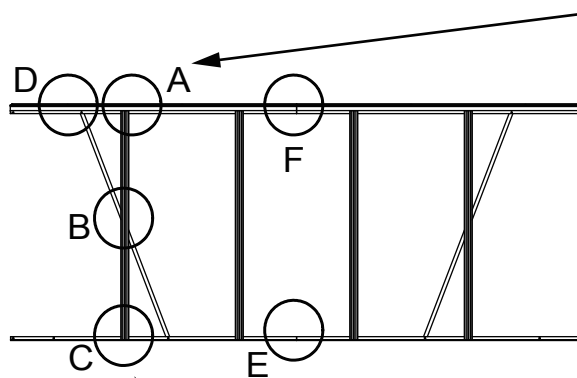
Art.Nr.	Qty.	Picture	Dimension(mm)
10	4PC		1215
22	2PC		1304
32A	1PC		1508
32B	1PC		1508
32C	1PC		170
34A	1PC		1508
34B	1PC		1508
34C	1PC		170
40	26PC		
48	26PC		



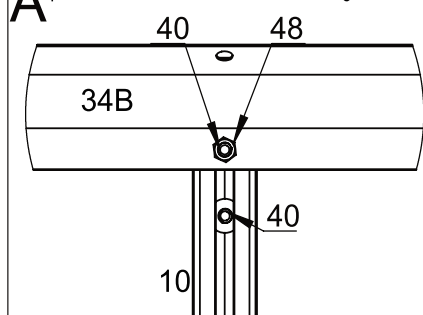
Fixed the screw nut first, then do not lock it on No.32 34, insert No.10 into the screw fixed on 32 and 34, and then lock it depending on the No.10 bolt as shown in the following A figure

Please tight the screws first before attaching number 32 and 34

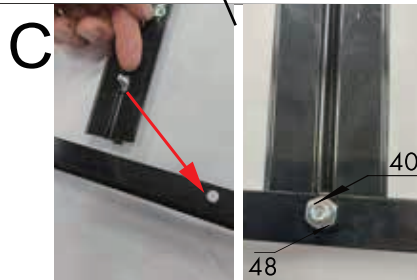
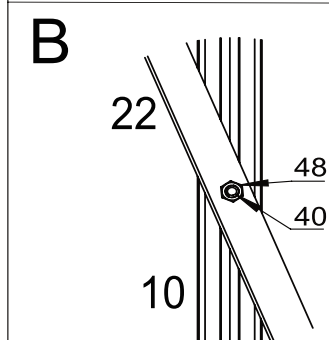
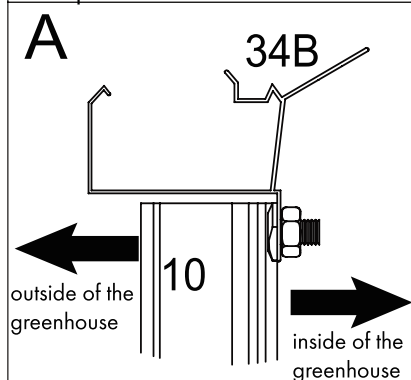
Side wall seen from inside direction



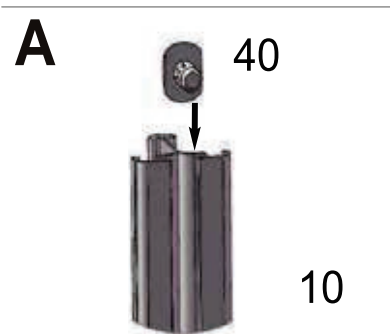
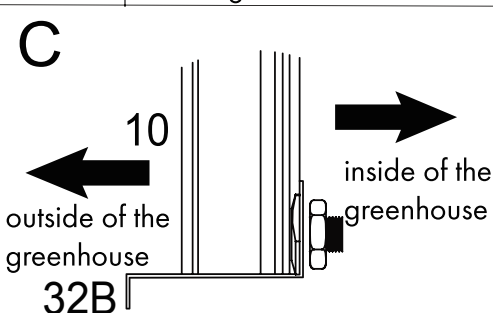
A (picture direction from inside of the greenhouse)



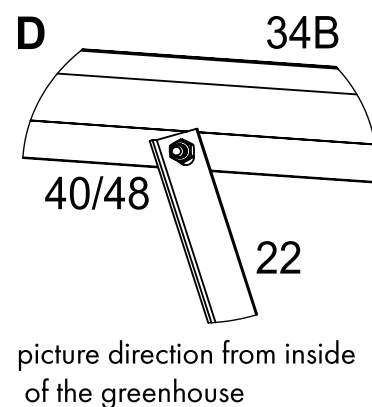
One screw is put into the groove before fixing the upper rail to fix the part nr 22.



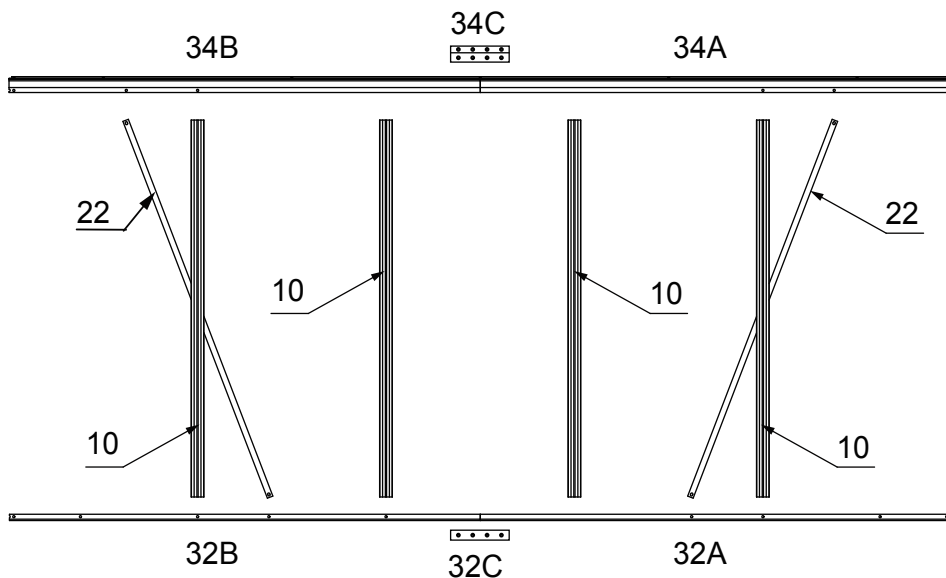
C-picture:fixing part 10 to part 32A



Please pay attention to how to insert the screw.



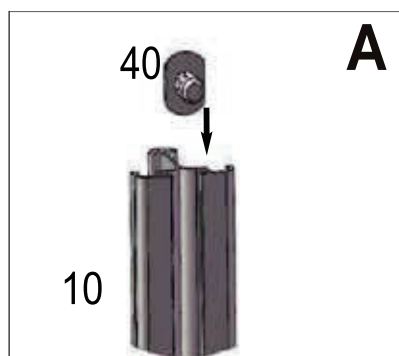
ASSEMBLE THE RIGHT-HAND (LOOKING FROM THE DOOR) WALL



Fixed the screw nut first, then do not lock it on No.32 34, insert No.10 into the screw fixed on 32 and 34, and then lock it depending on the No.10 bolt as shown in the following A figure

Assemble the frame for side walls

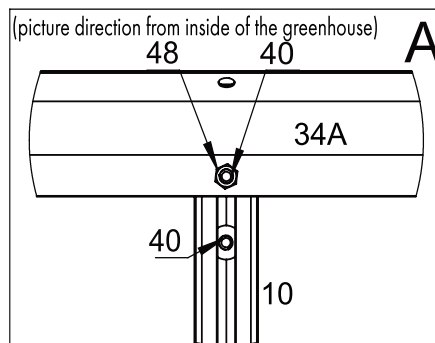
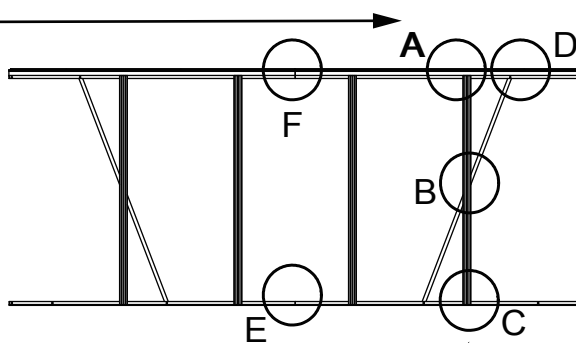
Art.Nr.	Qty.	Picture	Dimension(mm)
10	4PC		1215
22	2PC		1304
32A	1PC		1508
32B	1PC		1508
32C	1PC		170
34A	1PC		1508
34B	1PC		1508
34C	1PC		170
40	26PC		
48	26PC		



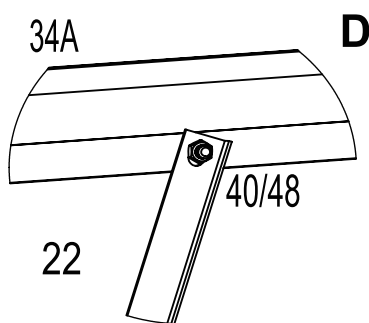
Please pay attention to how to insert the screw.

Please tight the screws first before attaching number 32 and 34

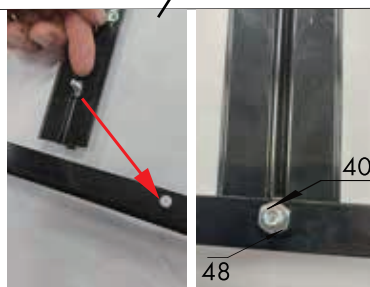
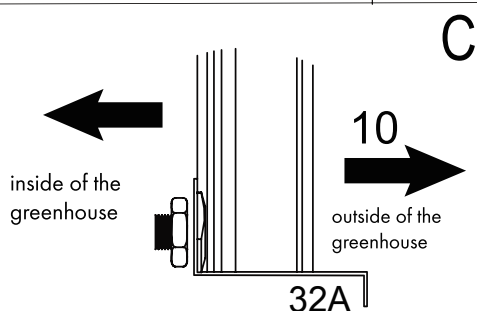
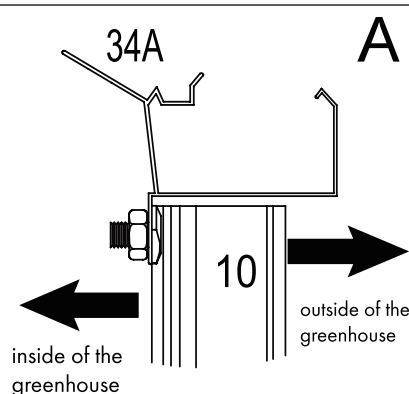
Side wall seen from inside direction



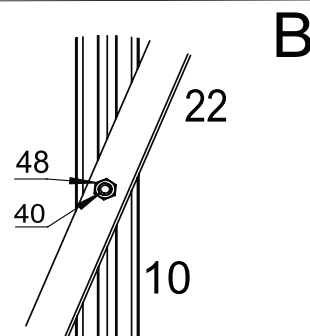
One screw is put into the groove before fixing the upper rail to fix the part nr 22.



picture direction from inside of the greenhouse



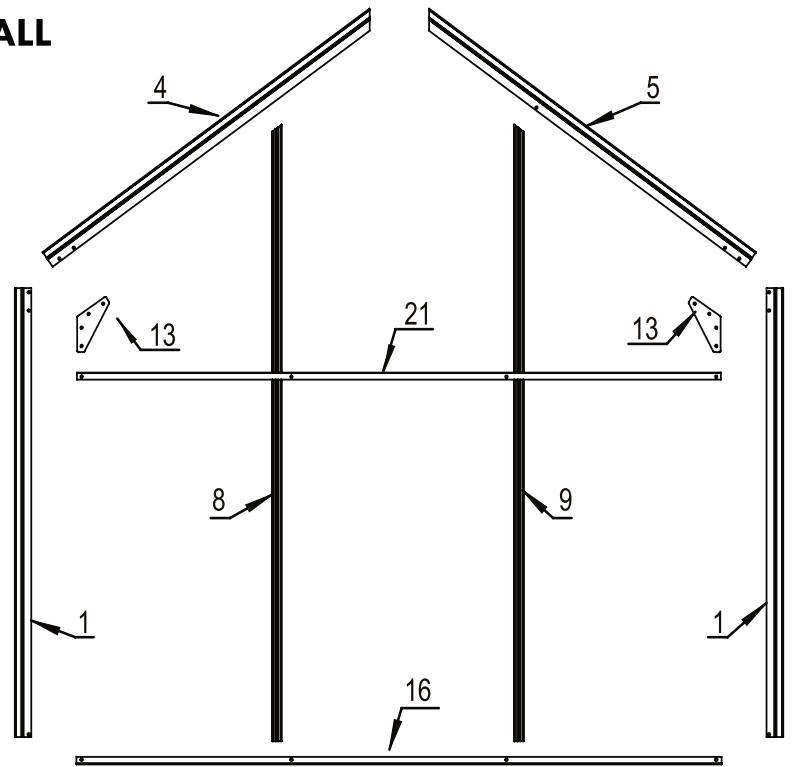
C-picture:fixing part 10 to part 32B



Back wall seen from inside direction

ASSEMBLE FRAME FOR BACK WALL

Art.Nr.	Qty.	Picture	Dimension(mm)
1	2PC		1215
4	1PC		1134
5	1PC		1134
8	1PC		1670
9	1PC		1670
13	2PC		
16	1PC		1822
21	1PC		1814
40	16PC		
48	16PC		



The screws are secured from the inside with nuts

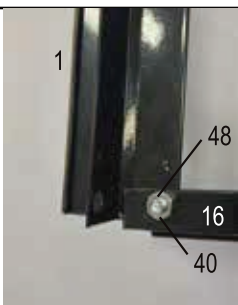
Back wall seen from inside direction

Please pre-insert one screw

A

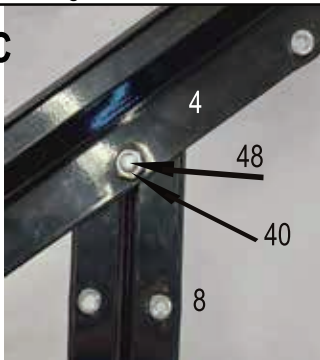


B



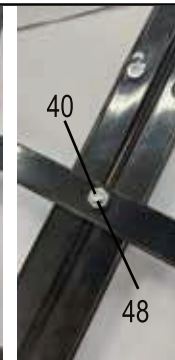
picture direction from inside of the greenhouse

C

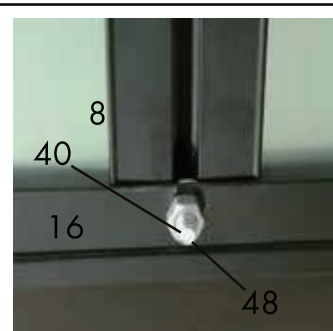


Please tight the screws and nuts for part C and E

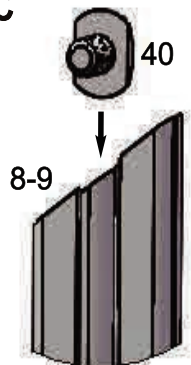
D



E



C

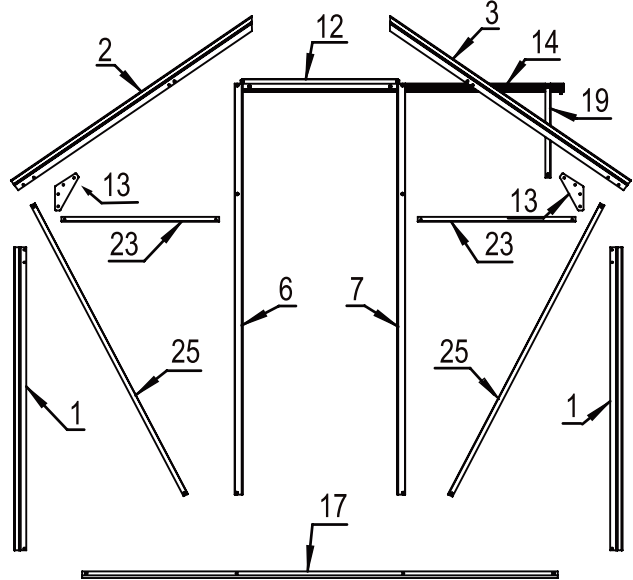


Using the pre-insert screw to attach number 21

ASSEMBLE THE FRAME OF FRONT WALL

Art.Nr.	Qty.	Picture	Dimension(mm)
1	2PC		1215
2	1PC		1134
3	1PC		1134
6	1PC		1647
7	1PC		1647
12	1PC		610
13	2PC		
14	1PC		1260
17	1PC		1822
19	1PC		380
23	2PC		594
25	2PC		1304
37	1PC		
38	1PC		
40	21PC		
48	22PC		

Please pay attention to number 2 and number 3 directions when assembling.



Please fix number 19 by screws on the top first, then follow picture D, using number 37 and number 38 to fix number 19 completely.

A

(picture direction from inside of the greenhouse)

front wall, seen from inside the greenhouse

A - A

part 14 sliding to part 12
(picture direction from outside of the greenhouse)

B

(picture direction from inside of the greenhouse)

C

(picture direction from inside of the greenhouse)

D

(picture direction from outside of the greenhouse)

E

(picture direction from outside of the greenhouse)

F

(picture direction from inside of the greenhouse)

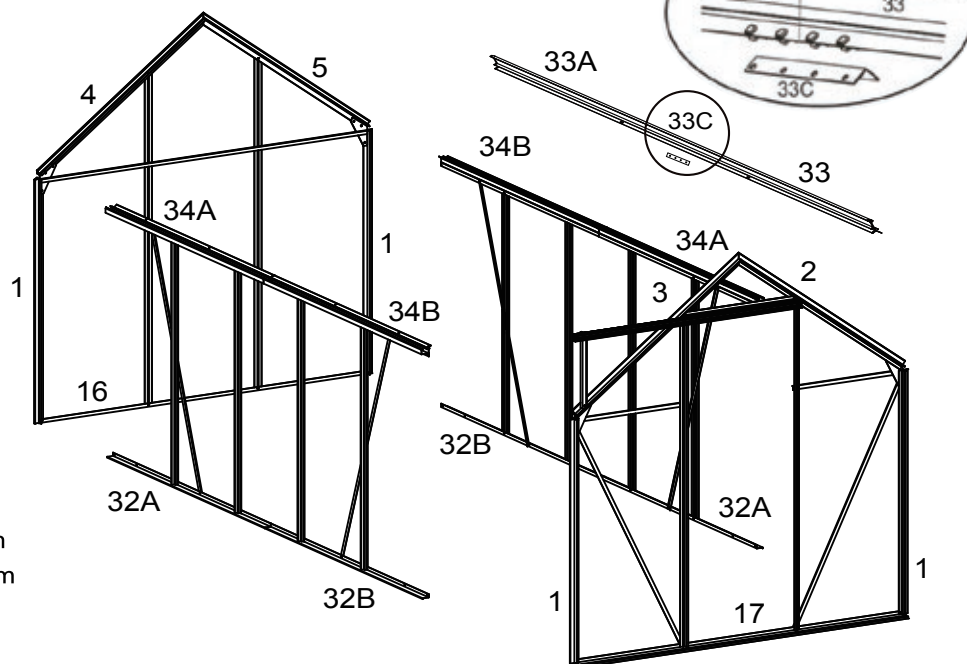


ASSEMBLE THE FRAME OF WALLS

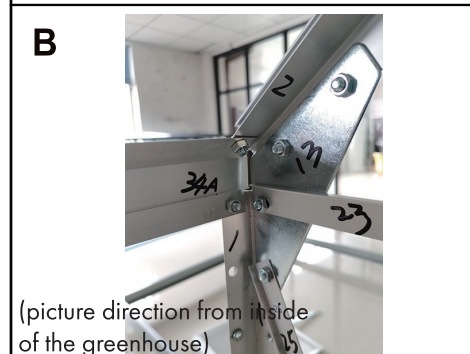
Fixing the walls to each other

Suggest 2 persons to assemble the wall frames

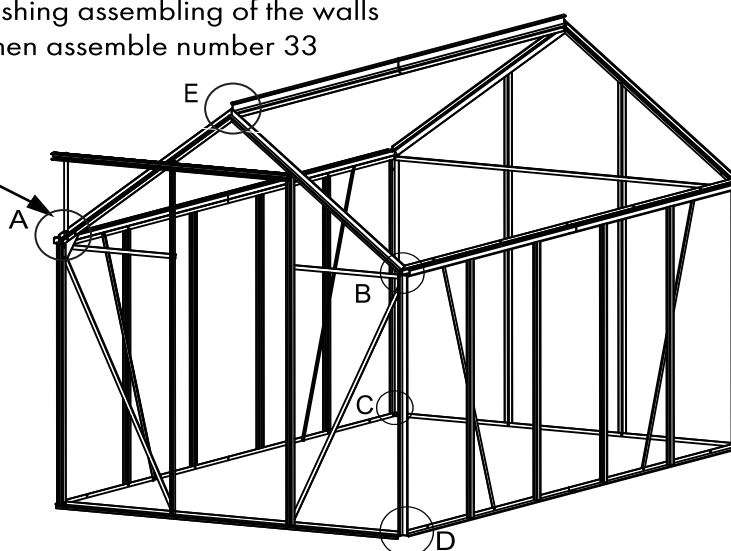
Art.Nr.	Qty.	Picture	Dimension(mm)
33	1PC		1506
33A	1PC		1506
33C	1PC		170
40	24PC		
48	24PC		



Please pay attention for below aluminum profile layout and using screws to fix from outside.

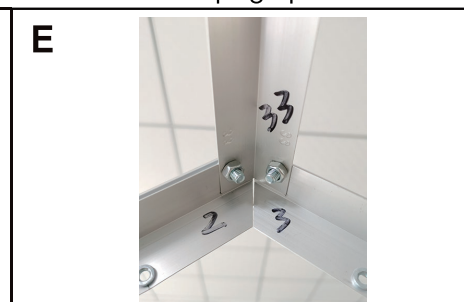
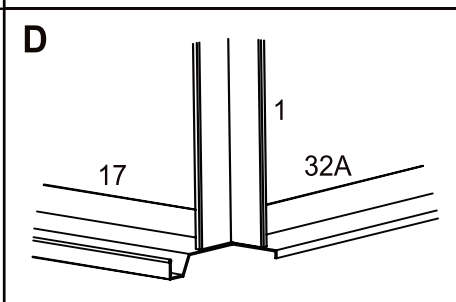
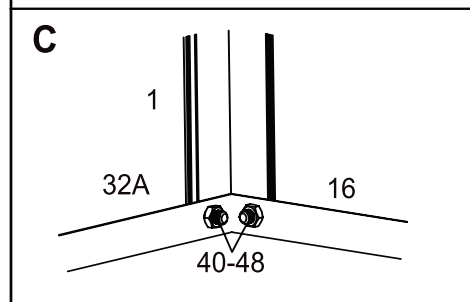


After finishing assembling of the walls frame, then assemble number 33



Using number 43 to connect the greenhouse bottom to the foundation

See next page point E

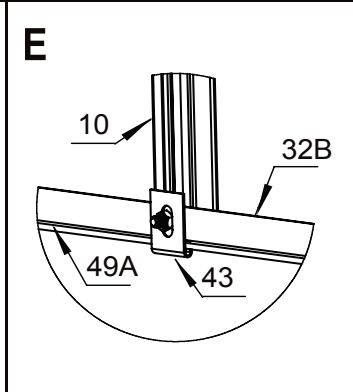
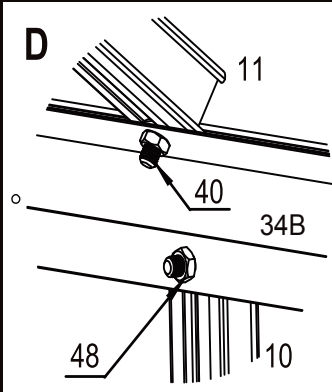
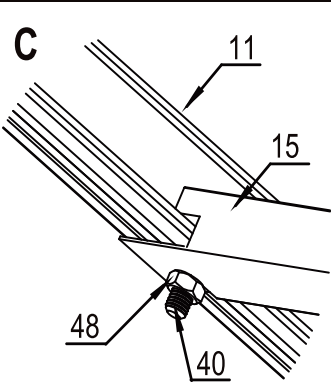
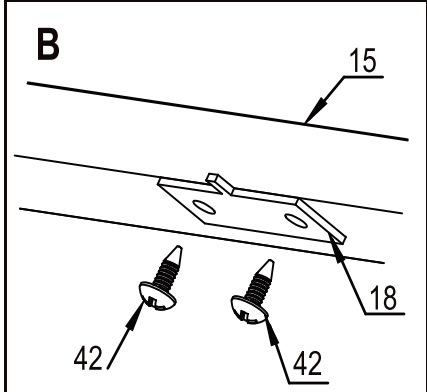
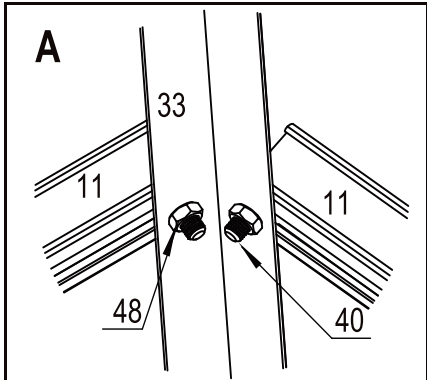
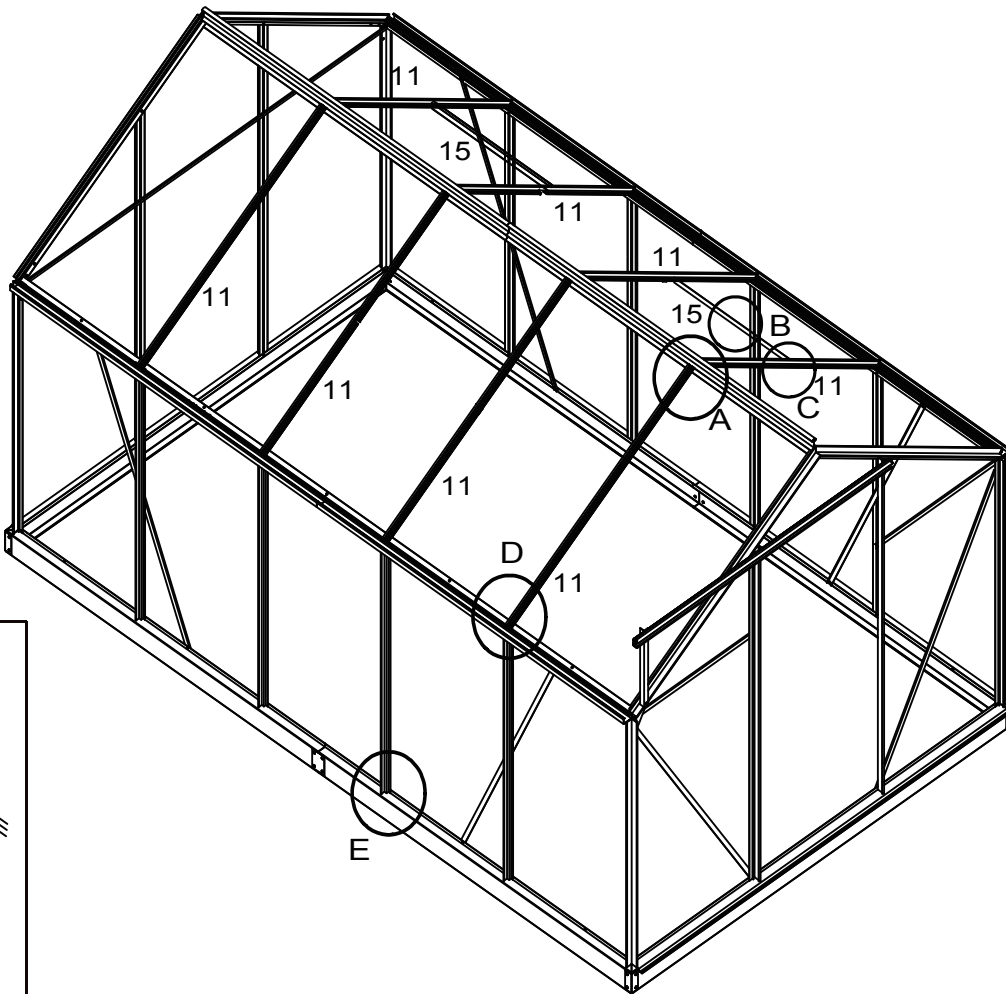


Stability of the greenhouse becomes to its final strength after you have tightened all the screws in the aluminium frames and installed the panels. Final tightening can be done at the end when all parts are in their places.

ASSEMBLE ROOF FRAME

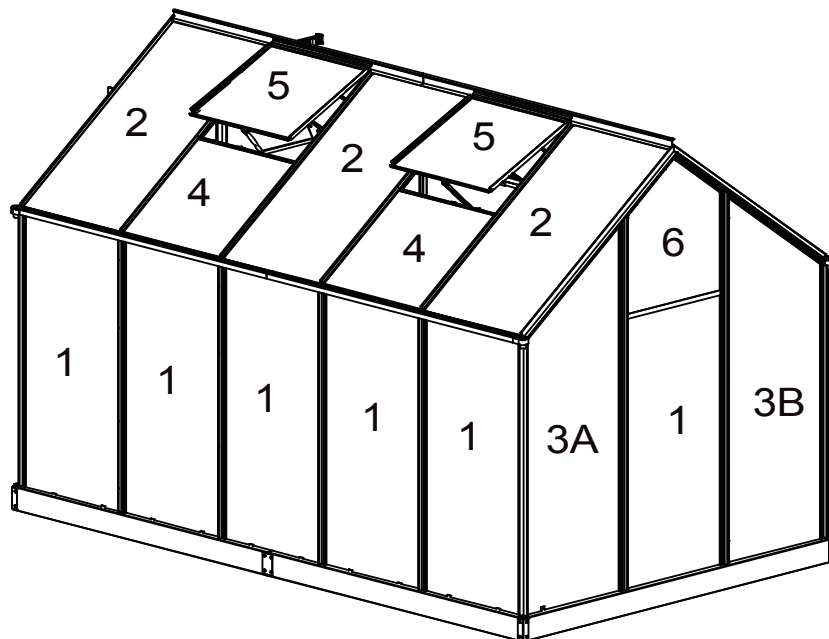


Art.Nr.	Qty.	Picture	Dimension(mm)
11	8PC		1114
15	2PC		634
18	4PC		
40	20PC		
42	8PC		
43	20PC		
48	20PC		

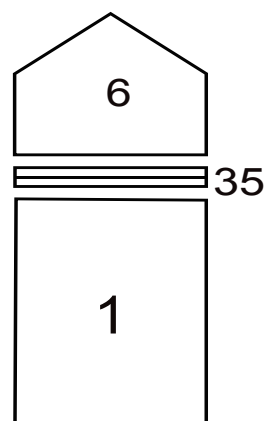
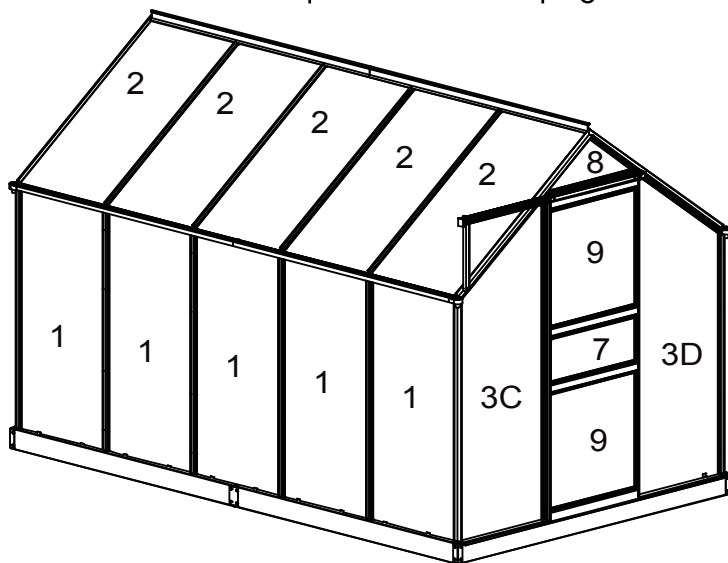


ATTACHING THE PANEL

Art.Nr.	Qty.	Picture	Dimension(mm)
1	11PC		590x1212
2	8PC		605 × 1130
3A	1PC		590x1667
3B	1PC		590x1667
3C	1PC		590x1667
3D	1PC		590x1667
4	2PC		605 × 585
5	2PC		595 × 550
6	1PC		590x675
7	1PC		605 × 252
8	1PC		615 × 241
9	2PC		605 × 602
35	1PC		563



The plate number indicates position of the plate.
The detailed installation procedure is on page 17-21



Remove the protective films from the wall and roof polycarbonate panels before installing them in place. The color of the protective film indicates which side of the panel is UV-protected (installation facing the sun). See below!

Wall panels 1,2 mm:

Roof panels 4,0 mm

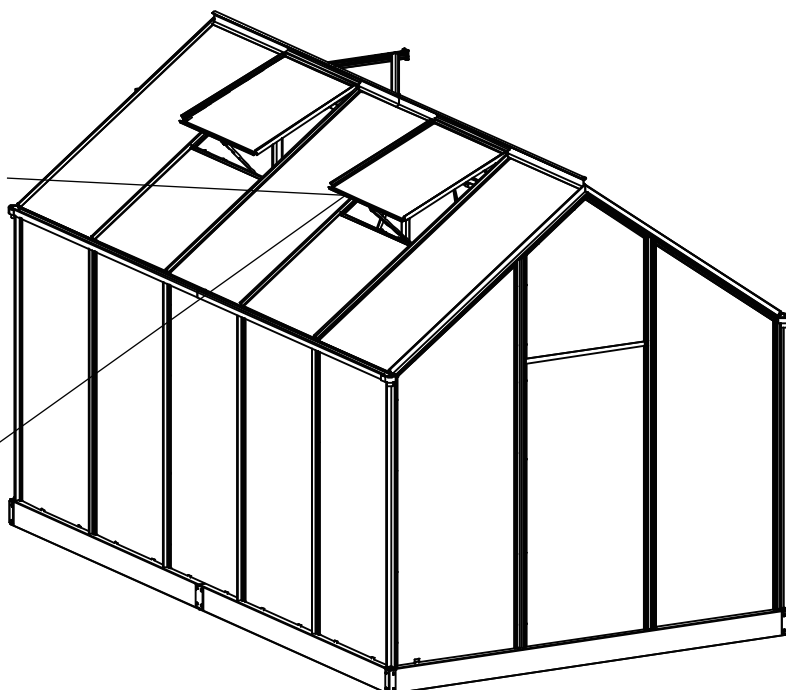
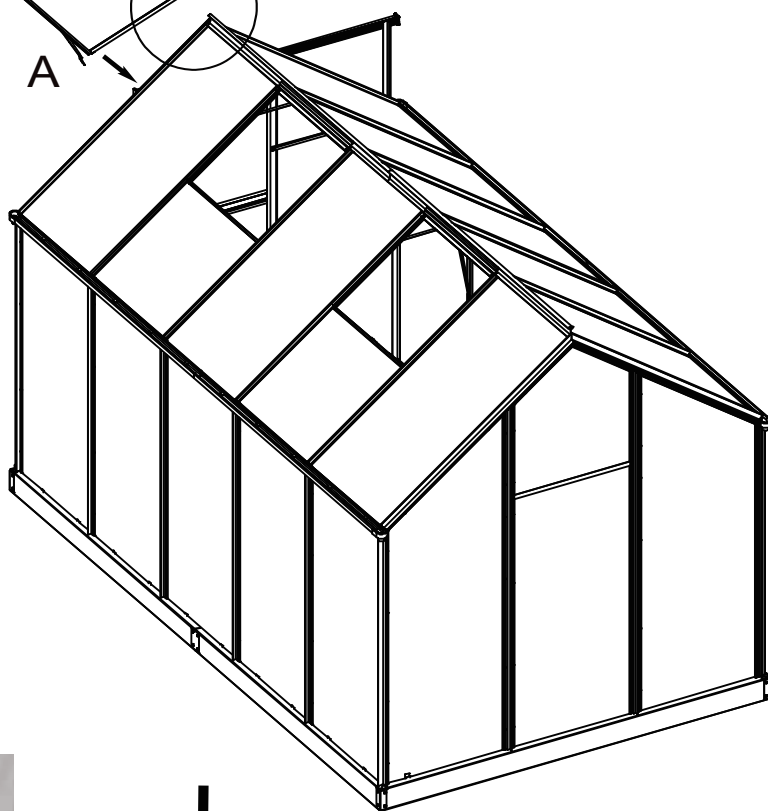
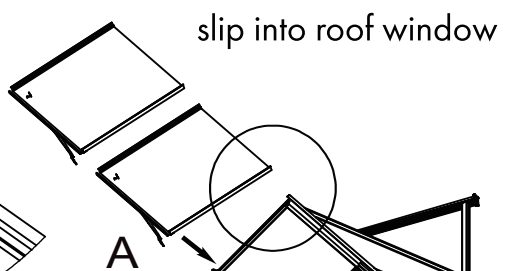
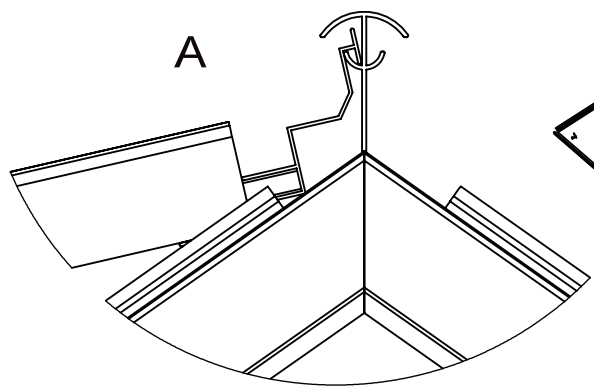


White protective film on the 1,2 mm wall panels indicates the UV protected side of the panel.

Transparent protective film on the 1,2 mm wall panels indicates the UV unprotected side of the panel.

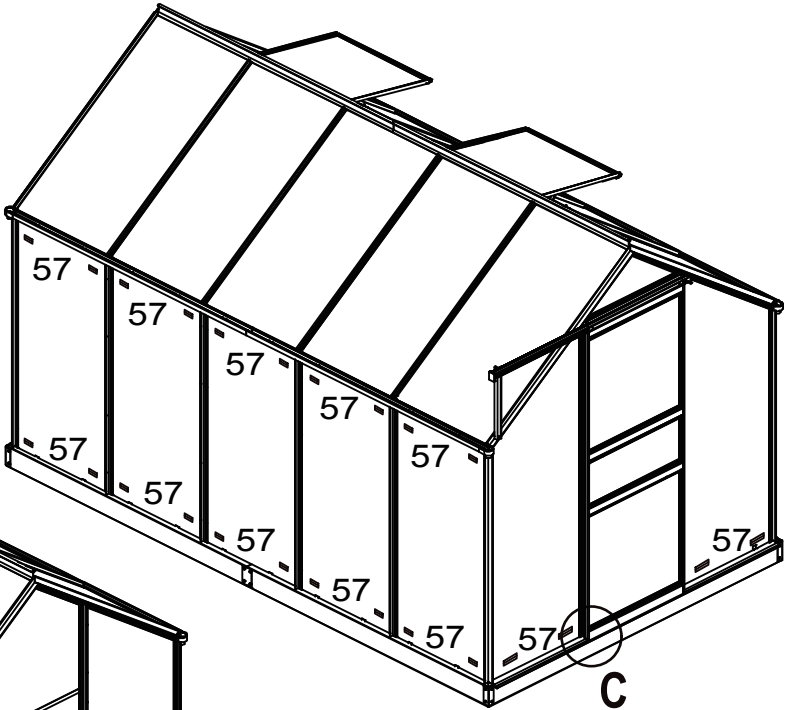
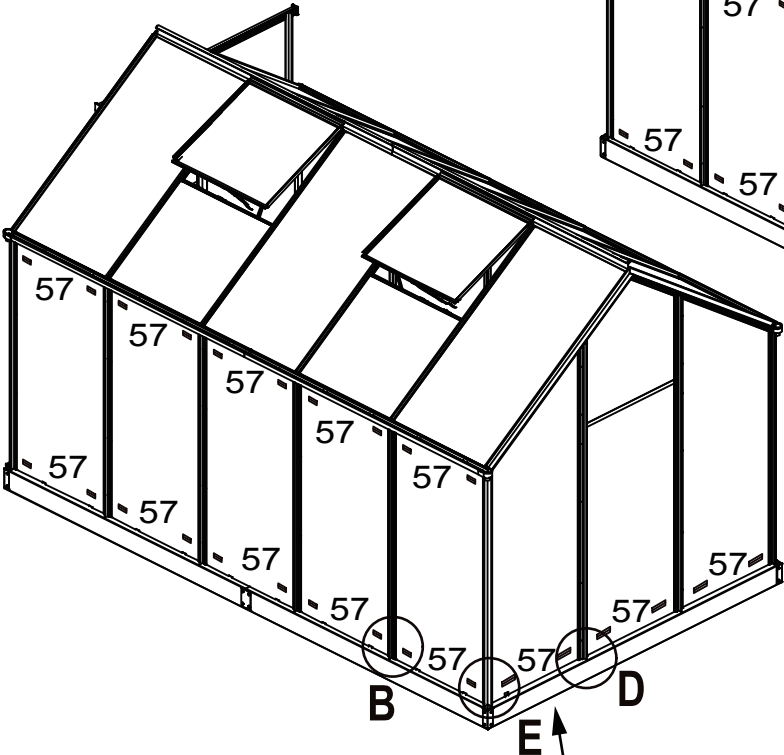
White protective film on the 4,0 mm roof panels indicates the UV protected side of the panel.

Transparent protective film on the 4,0 mm roof panels indicates the UV unprotected side of the panel.

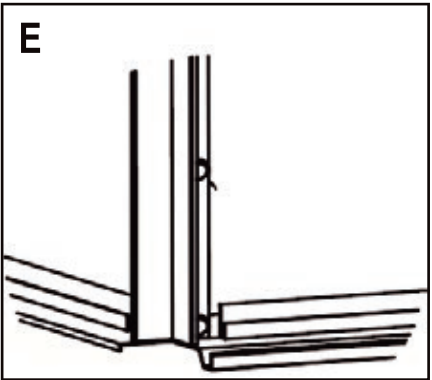
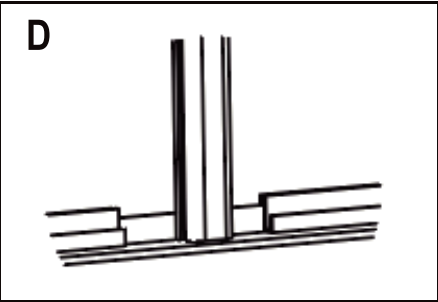
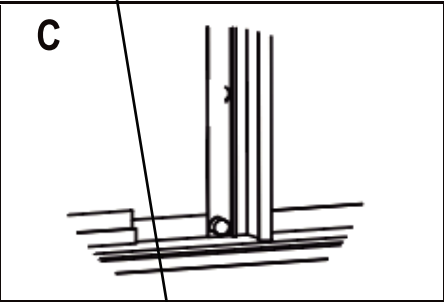
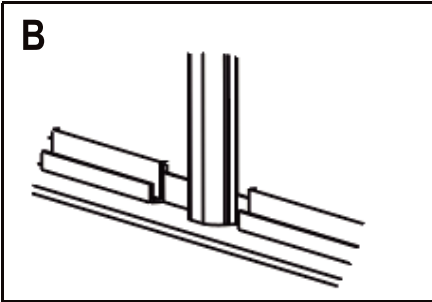


ATTACHING PANEL

Art.Nr.	Qty.	Picture
57	50PC	



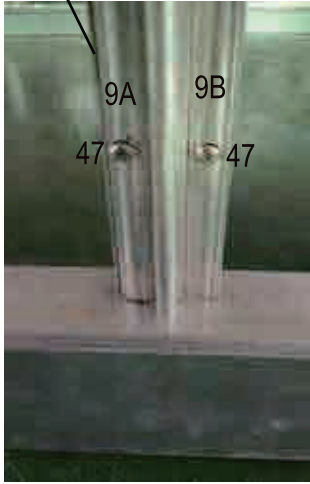
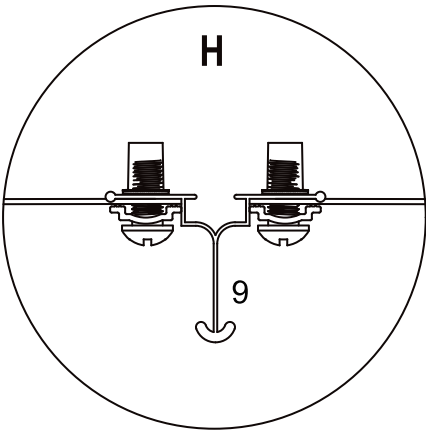
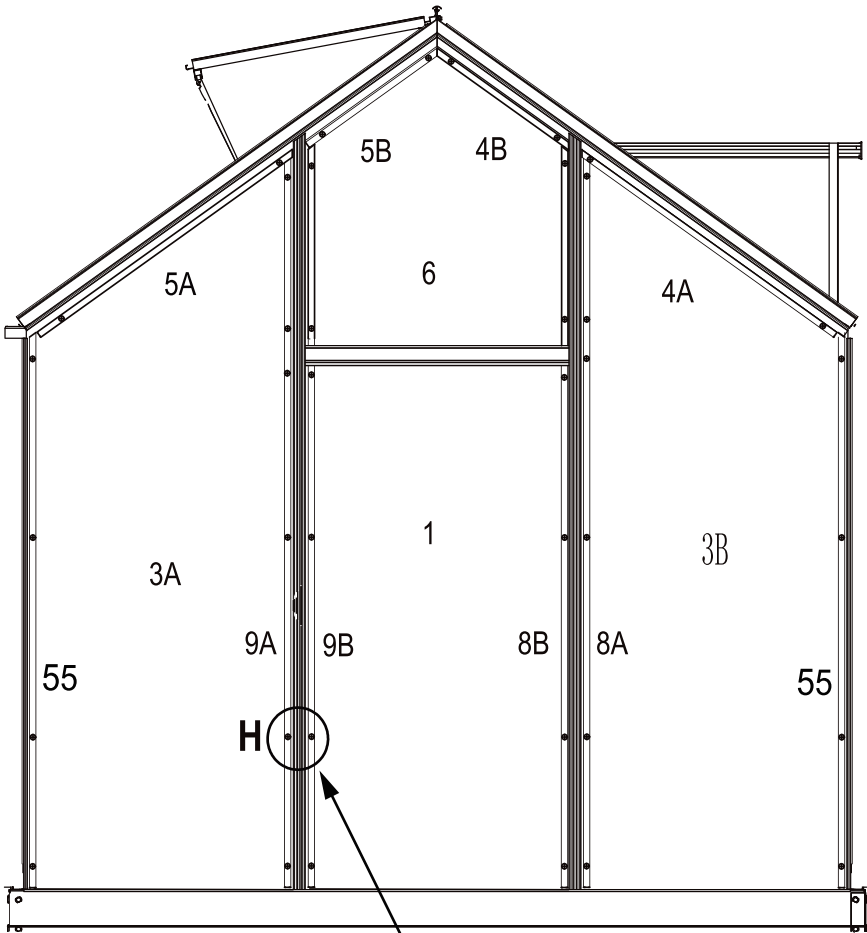
Please insert number 57 to the alu. profile like below picture showing, for installing panel purpose



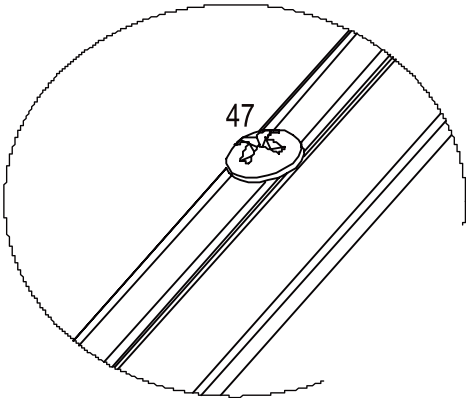
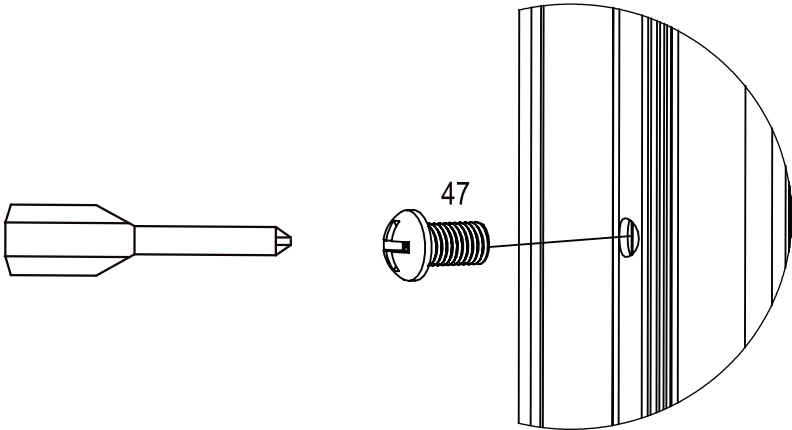
BACK WALL PANEL ASSEMBLING

Art.Nr.	Qty.	Picture	Dimension(mm)
55	2PC		1213
4A	1PC		695
4B	1PC		355
5A	1PC		695
5B	1PC		355
8A	1PC		1645
8B	1PC		1645
9A	1PC		1645
9B	1PC		1645
47	40PC		M5*10
1	1PC		
6	1PC		
3A	1PC		
3B	1PC		

White protection film side with UV protection, should toward the sun. White protection film side without UV protection.

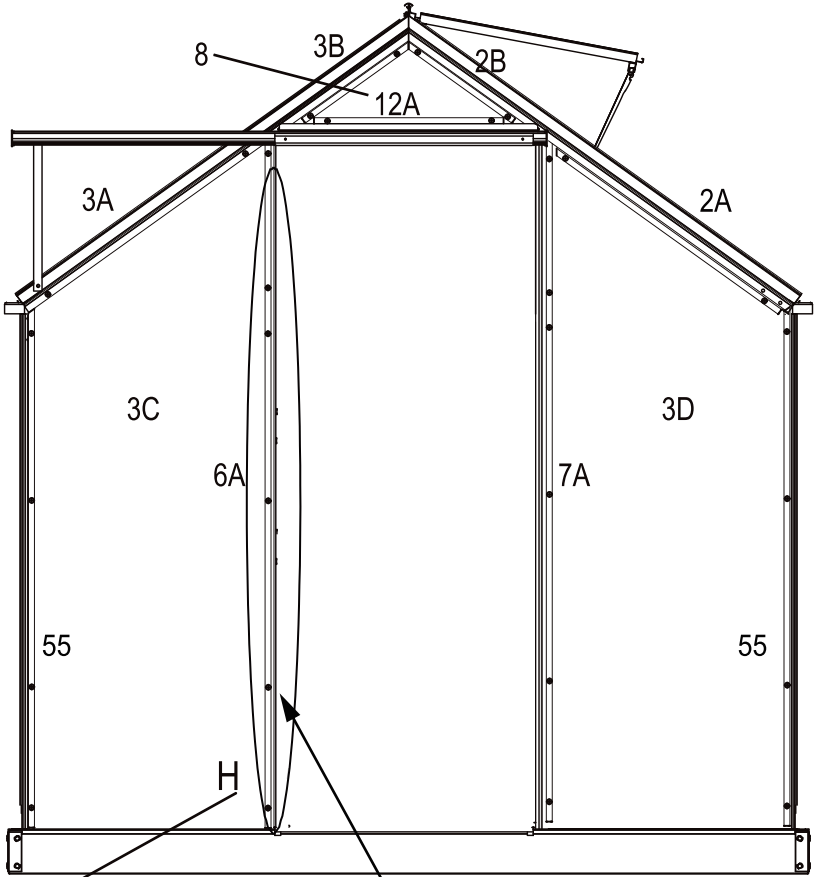


Please use a tool to tight the number 47 screw

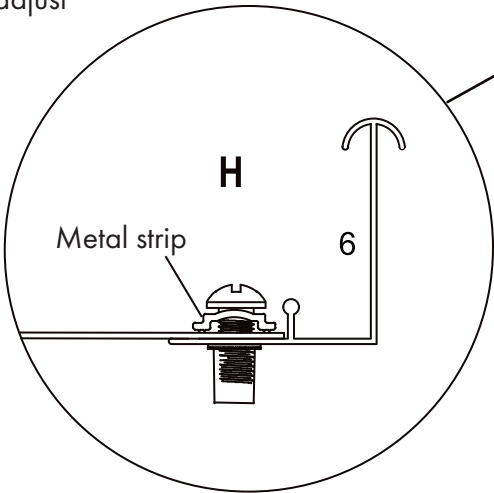


FRONT WALL PANEL ASSEMBLING

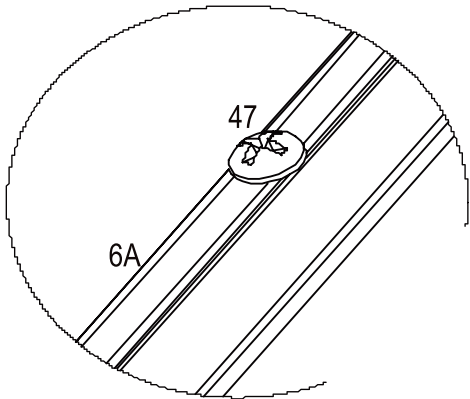
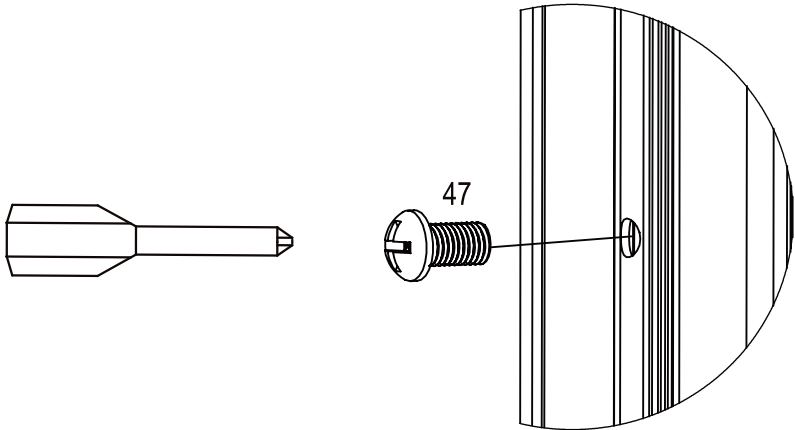
Art.Nr.	Qty.	Picture	Dimension(mm)
55	2PC		1213
2A	1PC		695
2B	1PC		355
3A	1PC		695
3B	1PC		355
6A	1PC		1645
7A	1PC		1645
12A	1PC		540
47	30PC		M5*10
8	1PC		
3C	1PC		
3D	1PC		



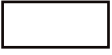
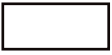
White protection film side with UV protection, should toward the sun. Transparent protection film side without UV protection.
If wall panel hole and frame hole are not matched, you can loose the screw little bit to adjust



Please use a tool to tight the number 47 screw



LEFT SIDE WALL PANEL AND ROOF PANEL ASSEMBLING

Art.Nr.	Qty.	Picture	Dimension(mm)
55	10PC		1213
56	32PC		
47	40PC		M5 * 10
1	5PC		
2	3PC		
4	2PC		
5	2PC		

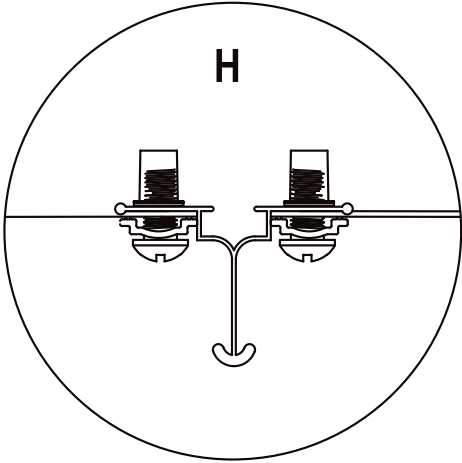
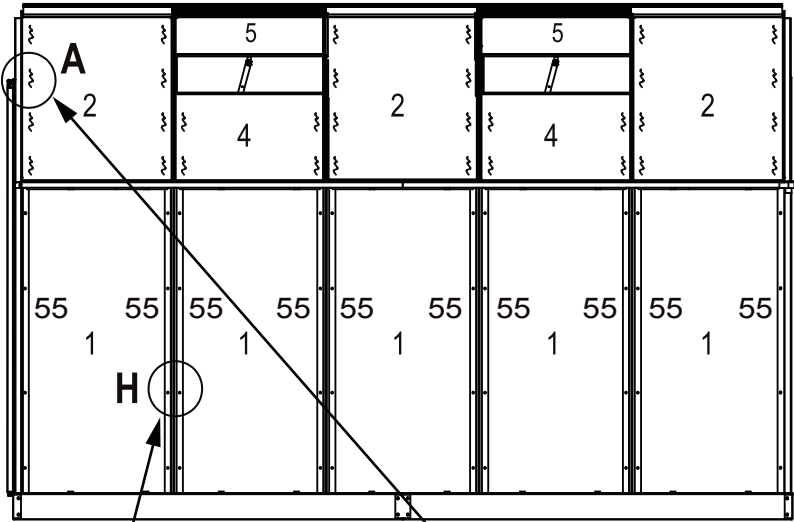


photo of fixing the clear wall panel

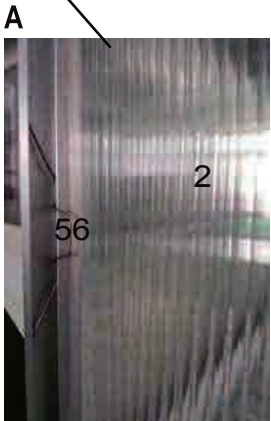
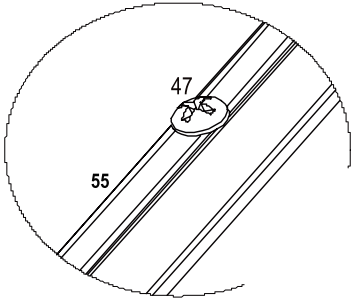
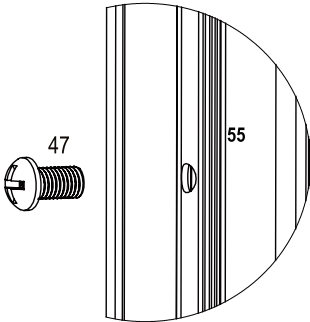
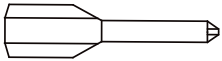


photo of fixing the 4mm roof panel

Please use a tool to tight the number 47 screw



Wall panels 1,2 mm:



White protective film on the 1,2 mm wall panels indicates the UV protected side of the panel.

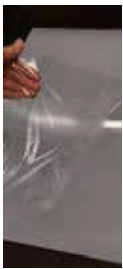


Transparent protective film on the 1,2 mm wall panels indicates the UV unprotected side of the panel.

Roof panels 4,0 mm

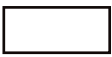


White protective film on the 4,0 mm roof panels indicates the UV protected side of the panel.



Transparent protective film on the 4,0 mm roof panels indicates the UV unprotected side of the panel.

RIGHT SIDE WALL PANEL AND ROOF PANEL ASSEMBLING

Art.Nr.	Qty.	Picture	Dimension(mm)
55	10PC		1213
56	40PC		
47	40PC		M5 * 10
1	5PC		
2	5PC		

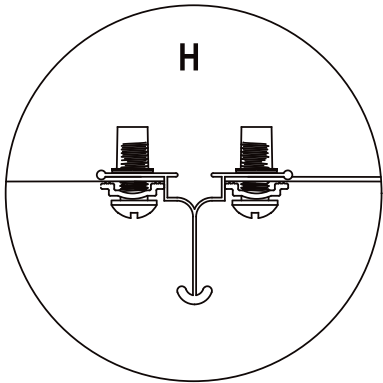
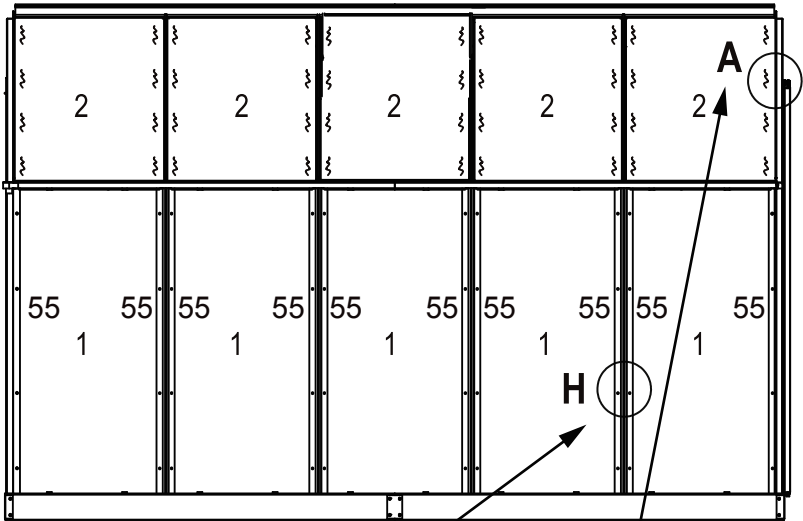


photo of fixing the clear wall panel

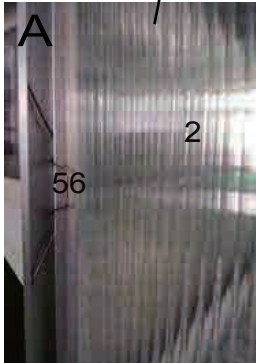
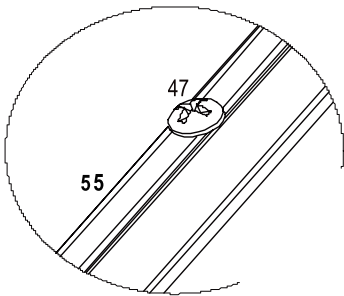
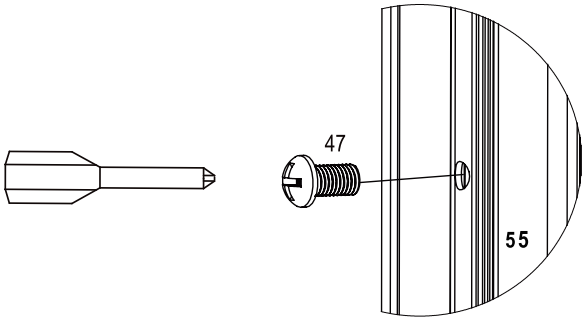


photo of fixing the 4mm roof panel

Using number 56 clip to fix the roof panel

Please use a tool to tight the number 47 screw



Wall panels 1,2 mm:



White protective film on the 1,2 mm wall panels indicates the UV protected side of the panel.



Transparent protective film on the 1,2 mm wall panels indicates the UV unprotected side of the panel.

Roof panels 4,0 mm

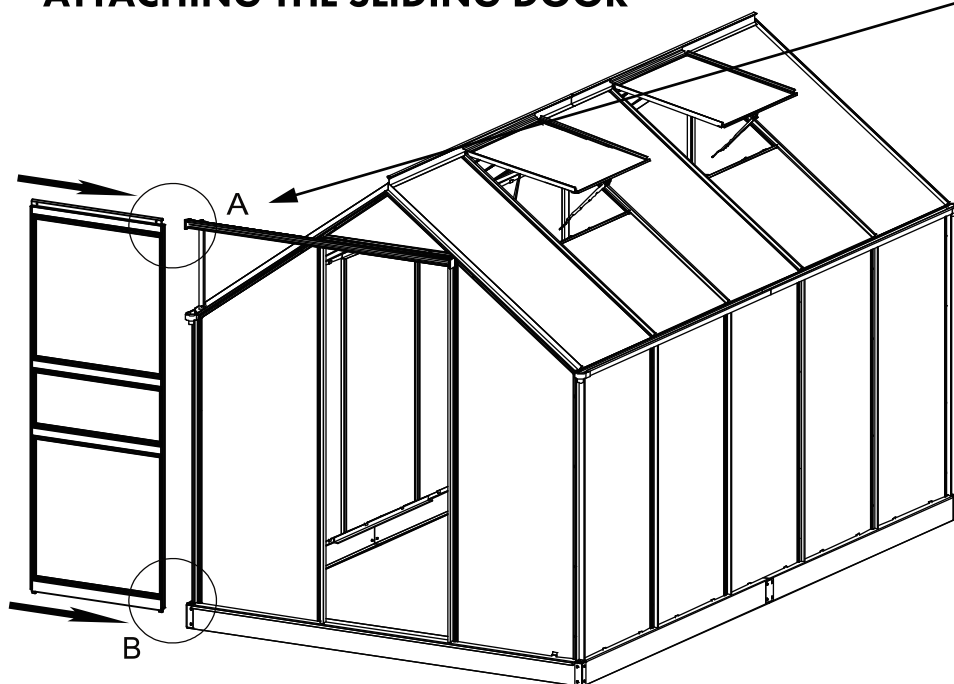


White protective film on the 4,0 mm roof panels indicates the UV protected side of the panel.

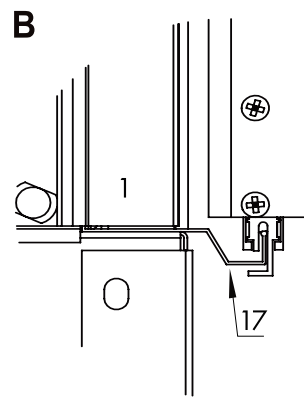
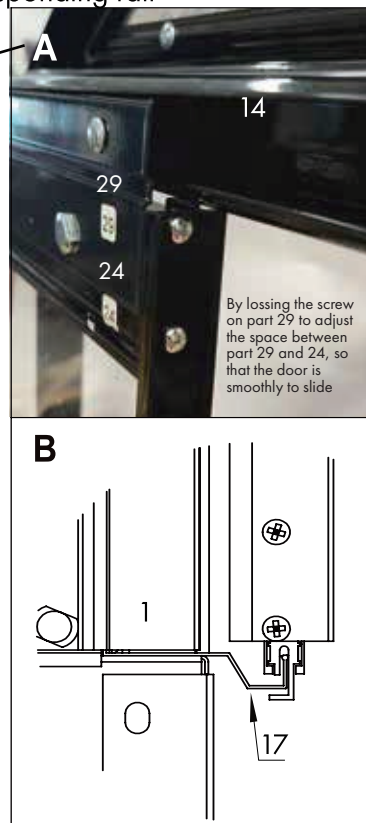


Transparent protective film on the 4,0 mm roof panels indicates the UV unprotected side of the panel.

ATTACHING THE SLIDING DOOR



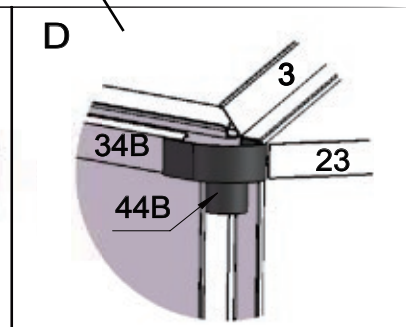
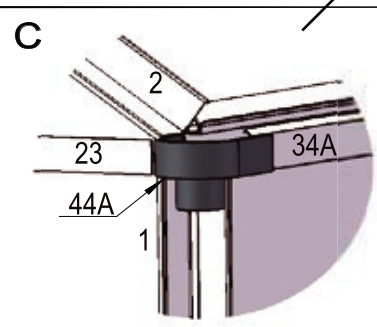
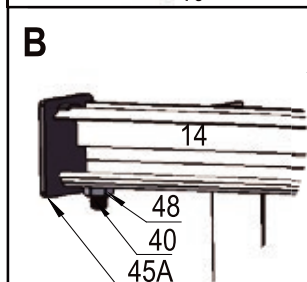
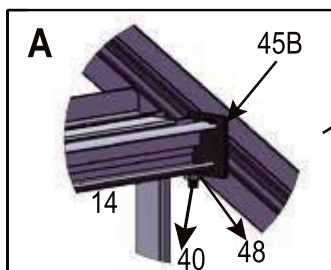
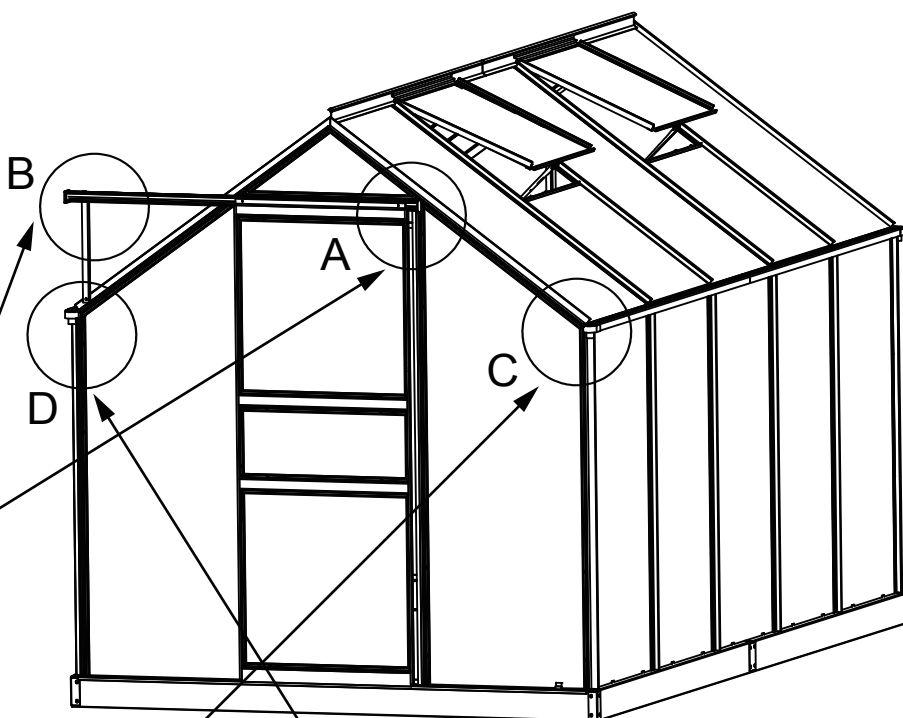
The wheels should be installed to the corresponding rail



The bottom plastic part snaps into the number 17 rail slot

INSTALL THE RAIN GUTTER

Art.Nr.	Picture	Qty.
40		2PC
44A		2PC
44B		2PC
45A		1PC
45B		1PC
48		2PC



Maintenance :

Do not let plants growing up to the roof to get too close to the roof structures. Too much weight on the roof can damage greenhouse body, especially if it is windy or raining heavily. Clear the leaves from the roof, they can weaken the light transmission of the sheets. Keep the roof of the greenhouse clear of ice and snow.

If necessary, place a support post inside the greenhouse in winter to support the roof. In the event of a storm, make sure that the greenhouse is securely fixed into the ground and that the roof hatch and door remain closed. If necessary, fix the greenhouse to nearby trees with a strong rope or wire.

Make sure regularly that the screws on the frame are remained tight. Avoid hitting the wall and polycarbonate panels with sharp objects. If there is a cut or a hole in the panel, you can fix it with glue or transparent tape.

Keep the polycarbonate panels clean so that light can pass through them well. Generally, polycarbonate panels can be replaced every 5-10 years, if you notice their light transmission ability weakens.

You can make a small mark on the polycarbonate panels showing which side is facing out, so that you recognize the UV-protected side in case the panel is needed to put back in its place after a storm.

You can prevent dirt and moisture going inside the channels of the roof panels by taping the top and bottom ends of the panel.

SIOITTAMINEN:

- Älä sijoita kasvihuonetta paikkaan, jossa se altistuu kovalle tuulelle.
- Valitse aurinkoinen, tasainen paikka, jossa kasvihuone ei ole puiden alla.

KOKOAMINEN:**Kokoamisen valmistelut:**

- Suosittelemme käyttämään kokoamisen aikana käsineitä ja turvalaseja.
- Pidä lapset pois kokoamisalueelta.
- Älä asenna kasvihuonetta tuulisissa tai märissä olosuhteissa.
- Kokoamistyökaluiksi tarvitaan vähintään ruuvinväännin ja mittanauha
- Kasvihuoneen kokoamiseen kuluu 2-3 päivää
- Joihinkin kokoamisvaiheisiin tarvitaan kaksi henkilöä

Kokoamisen aikana:

- Kiristä ruuvit loppuun asti vasta kun olet varma, että kokoamisvaihe on suoritettu oikein
- Varmista, että kasvihuone on ankkuroitu riittävän hyvin maahan
- Pidä pienet osat (ruuvit jne.) laatikoissa ja pusseissa, jotta ne eivät häviä.
- Jokainen osa on numeroitu ja vastaava numero löytyy kokoamisohjeista.
- Aloita kokoaminen järjestämällä samalla numerolla merkityt osat omiin ryhmiinsä kokoamisalueelle.
- Kasvihuoneen alumiinirunko rakennetaan ensin ja seinien sekä katon muovilevyt lisätään lopuksi.

Ohjeet seinä- ja kattolevyjen asentamisesta:

- Kirkkaita, läpinäkyviä 1,2 mm vahvuisia muovilevyjä käytetään seiniin ja onttoja 4 mm vahvuisia muovilevyjä käytetään kattoon.
- Seinään ja kattoon asennettavien muovilevyjen kummallakin puolella on suojakalvo suojaamassa niitä kuljetuksen ja varastoinnin aikana. Poista nämä suojakalvot kun kiinnität muovilevyä kasvihuoneeseen.
- Käsittele polykarbonaatti seinä- ja kattolevyjä erityisen varovasti, jotta ne eivät naarmuunnu asennuksen aikana.
- Vinkki! Voit halutessasi sulkea 4 mm:n muovilevyjen päissä olevat aukot läpinäkyvällä teipillä (teippi ei sisällä pakkaukseen), jotta kosteus ja lika eivät pääse kattolevyjen sisään. Tämä varmistaa muovilevyn hyvän valonläpäisyn sekä kestävyyskäytössä.
- Vinkki! Kun irrotat muovilevystä suojakalvon, niin merkitse levyn UV-suojattu puoli väliaikaisesti teipin palalla. Näin pysyt ajan tasalla levyn UV-suojatusta puolesta jos joudut kääntelemään sitä paikoilleen asettaessa.

Poista suojakalvot seinän ja katon muovilevyistä ennen niiden asentamista paikoilleen. Suojakalvon väri osoittaa, kumpi puoli paneelista on UV-suojattu (asennus aurinkoon päin). Katso alemmaa!

Seinien 1,2 mm muovilevyt

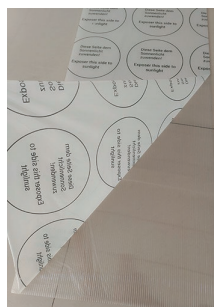


Valkoinen suojakalvo
1,2 mm muovilevyissä
osoittaa levyn
UV-suojatun puolen.
Tämä puoli ulospäin



Läpinäkyvä suojakalvo
1,2 mm muovilevyissä
osoittaa levyn
UV-suojaamattoman puolen.
Tämä puoli sisäänpäin

Katon 4 mm muovilevyt



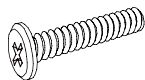
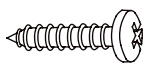
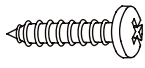
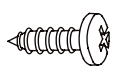
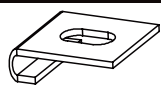
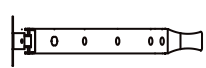
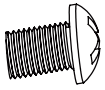
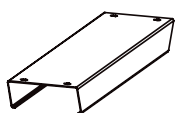
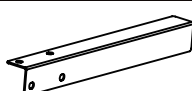
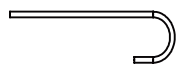
Valkoinen suojakalvo
4,0 mm muovilevyissä
osoittaa levyn UV-suojatun
puolen.
Tämä puoli ulospäin



Läpinäkyvä suojakalvo
4,0 mm muovilevyissä
osoittaa levyn
UV-suojaamattoman puolen.
Tämä puoli sisäänpäin

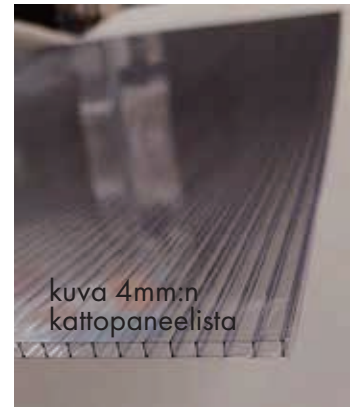
Ohjevideo kokoamisesta katsottavissa tuotesivulla K-Rauta.fi verkkokaupassa.

Tuotenro.	Kuva	Määrä	Mitat (mm)		Tuotenro.	Kuva	Määrä	Mitat (mm)
1		4	1215		22		4	1304
2		1	1134		23		2	594
3		1	1134		24		1	610
4		1	1134		25		2	1304
5		1	1134		26		2	610
6		1	1647		27		1	610
7		1	1647		28		4	520
8		1	1675		29		1	608
9		1	1675		30		2	590
10		8	1215		31		2	590
11		8	1114		32A		2	1508
12		1	603		32B		2	1508
13		4			32C		2	170
14		1	1250		33		1	1506
15		2	634		33A		1	1506
16		1	1822		33C		1	170
17		1	1822		34A		2	1508
18		4			34B		2	1508
19		1	380		34C		2	170
20		2	1608		35		1	563
21		1	1814		36		2	

Tuotenro.	Kuva	Määrä	Mitat (mm)		Tuotenro.	Kuva	Määrä	Mitat (mm)
37		1			52		6	609
38		1	M6*30		53		4	565
39		2			54		2	215
40		169	M6*10		55		24	1213
41		14	M5*18		2A		1	695
41A		2	M4*18		2B		1	355
42		12	M4*8		3A		1	695
43		20			3B		1	355
44A		2			4A		1	695
44B		2			4B		1	355
45A		1			5A		1	695
45B		1			5B		1	355
46		2			6A		1	1645
47		174	M5*8		7A		1	1645
48		170	M6		8A		1	1645
49		2	1884		8B		1	1650
49A		4	1538		9A		1	1645
49B		2			9B		1	1650
50		4	199		12A		1	540
51		8			56		72	
					57		50	

Listaus seinän ja katon muovilevyistä

Tuotenro.	Kuva	Määrä	Mitat (mm)	
1	11KPL		590x1212	läpinäkyvä 1,2mm paneeli seiniin
2	8KPL		605 x 1130	4mm paneeli kattoon
3A	1KPL		590x1653	läpinäkyvä 1,2mm paneeli seiniin
3B	1KPL		590x1653	läpinäkyvä 1,2mm paneeli seiniin
3C	1KPL		590x1653	läpinäkyvä 1,2mm paneeli seiniin
3D	1KPL		590x1653	läpinäkyvä 1,2mm paneeli seiniin
4	2KPL		605 x 585	4mm paneeli kattoon
5	2KPL		595 x 550	4mm paneeli kattoon
6	1KPL		590x660	läpinäkyvä 1,2mm paneeli seiniin
7	1KPL		610x245	läpinäkyvä 1,2mm paneeli seiniin
8	1KPL		590x225	läpinäkyvä 1,2mm paneeli seiniin
9	2KPL		610x602	läpinäkyvä 1,2mm paneeli seiniin

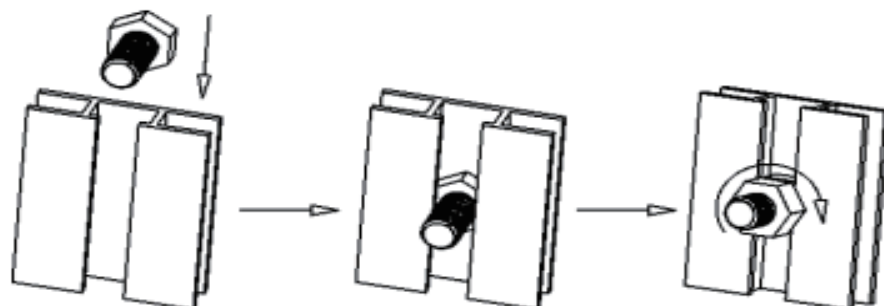


Vinkki! Kun poistat UV-suojatun puolen osoittavan suojakalvon levystä, merkitse se puoli levystä teipin palalla, niin pysyt ajan tasalla UV-puolesta (asennus ulospäin) jos joudut kääntelemään levyä paikoilleen asentaessa

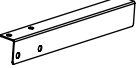
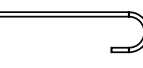
Suosittelimme seuraavia työkaluja kokoamiseen



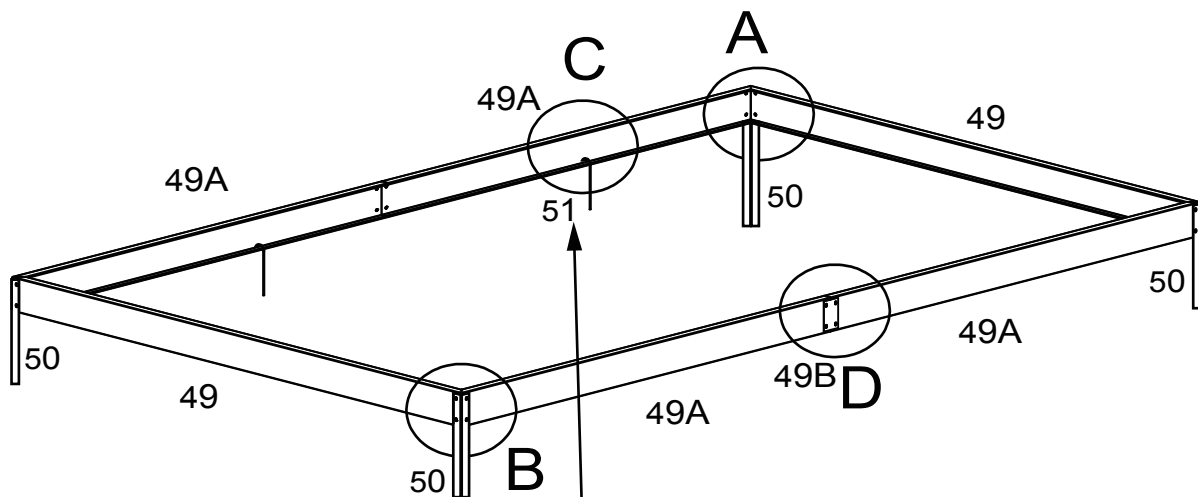
Alla kuvissa näytetään miten ruuvit, tietyissä kokoamisen vaiheissa, tulee asettaa rungon alumiinikiskoissa oleviin uriin



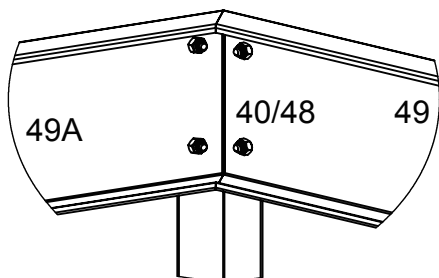
TERÄSSOKKELIN KOKOAMINEN

Tuotenro	Määrä	Kuva	Tuotenro	Määrä	Kuva
40	24KPL		49B	2KPL	
48	24KPL		50	4KPL	
49	2KPL		51	8KPL	
49A	4KPL				

Käytä numeroa 50 numeron 49 kiinnittämiseen, käytä sitten numero 40 ruuvia ulkopuolen kiinnitykseen, sitten numeron 48 pulttia kiristykseen ja sen jälkeen numeron 51 tappeja maahan kiinnitykseen. Osa numero 50 upotetaan maahan koko pituudeltaan, jotta kasvihuone pysyy kiinni maaperässä tai perustuksessa

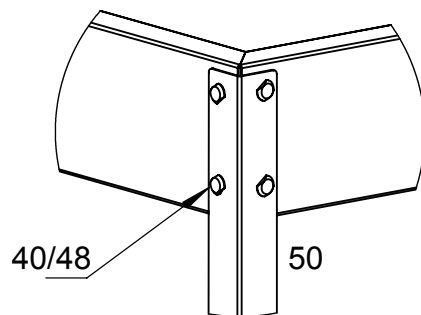


A



Kuva A sisäpuolelta päin katsottuna. Kiinnitä huomiota numeroiden 40 ja 48 kokoamisohjeisiin

B



Kuva B, ulkoapäin katsottuna. Kiinnitä huomiota numeron 40 kokoamisohjeisiin

C



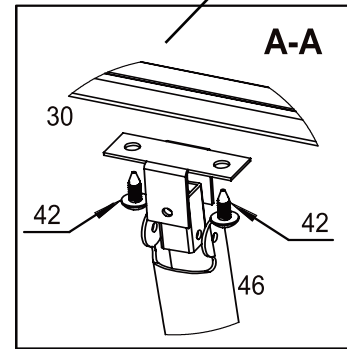
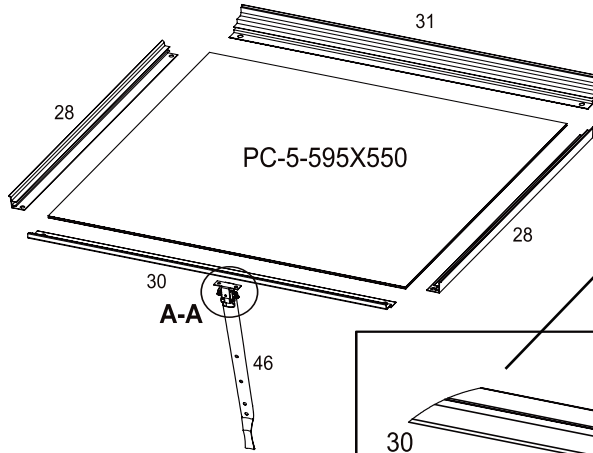
Kuva C sisäpuolelta päin katsottuna. Kiinnitä huomiota numeron 51 asennusohjeeseen

Ohjevideo kokoamisesta katsottavissa tuotesivulla K-Rauta.fi verkkokaupassa.

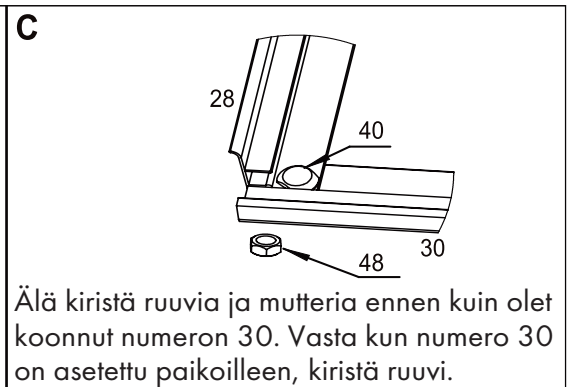
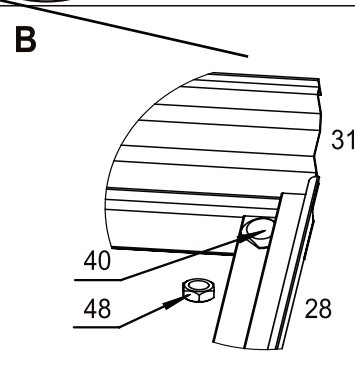
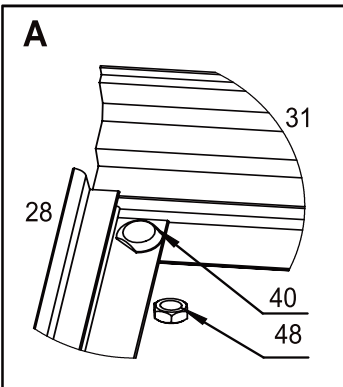
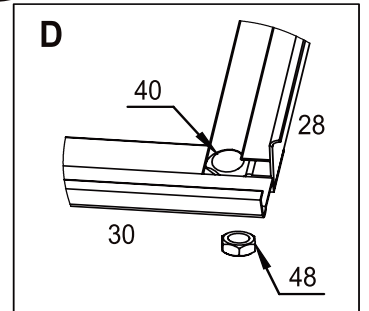
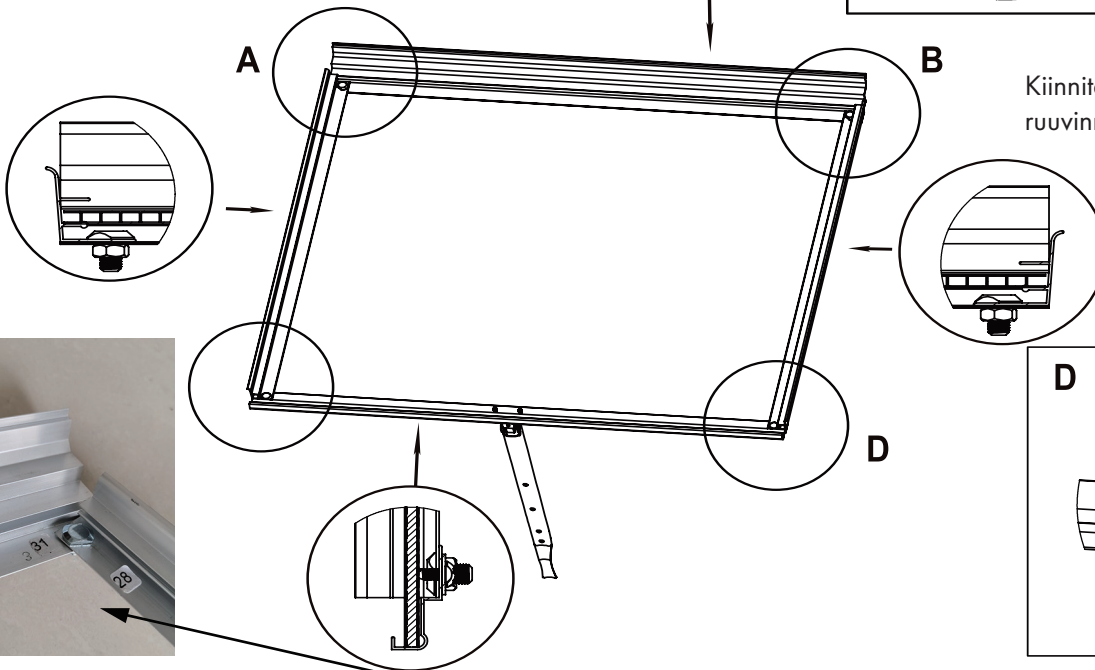
KATTOLUUKUN KOKOAMINEN

Tuotenro.	Määrä	Kuva (poikkileikkauskuva)	Mitat (mm)
28	4KPL		520
30	2KPL		590
31	2KPL		590
40	8KPL		
42	4KPL		
46	2KPL		
48	8KPL		
5	2KPL		595 x 550

Kiinnitä osat toisiinsa kuten alla olevassa kuvassa. Aseta ruuvit nro 40 ylhäältä alaspäin. Kokoa ensin numerot 28 ja 31, sen jälkeen asenna muovilevy numero 5, ja kiinnitä seuraavaksi numero 30



Kiinnitä kannatin sille varattuun ruuvireikään

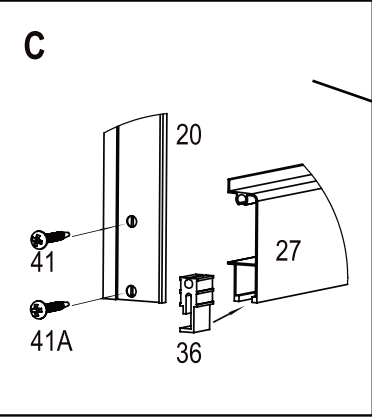
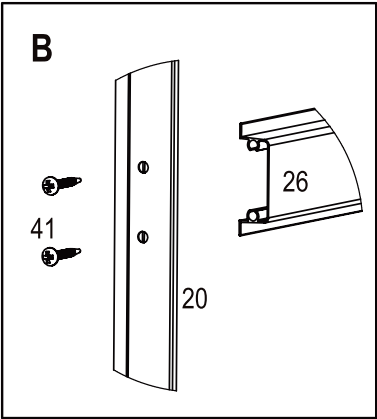
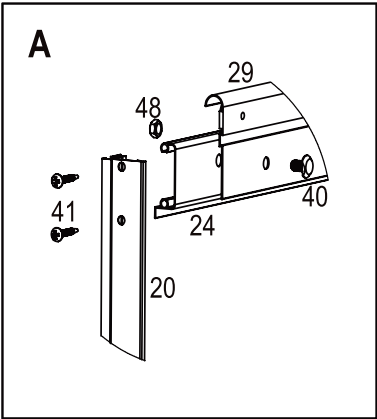
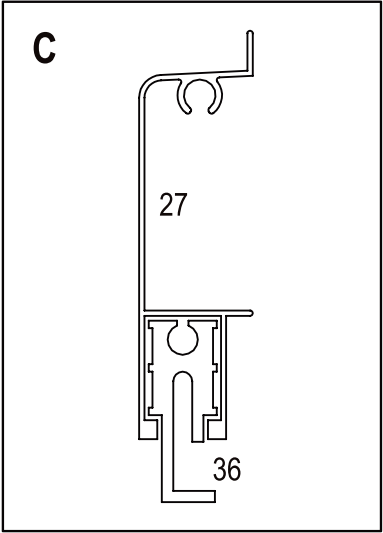
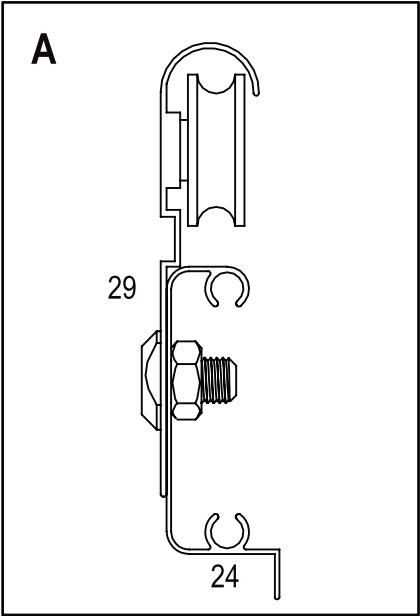
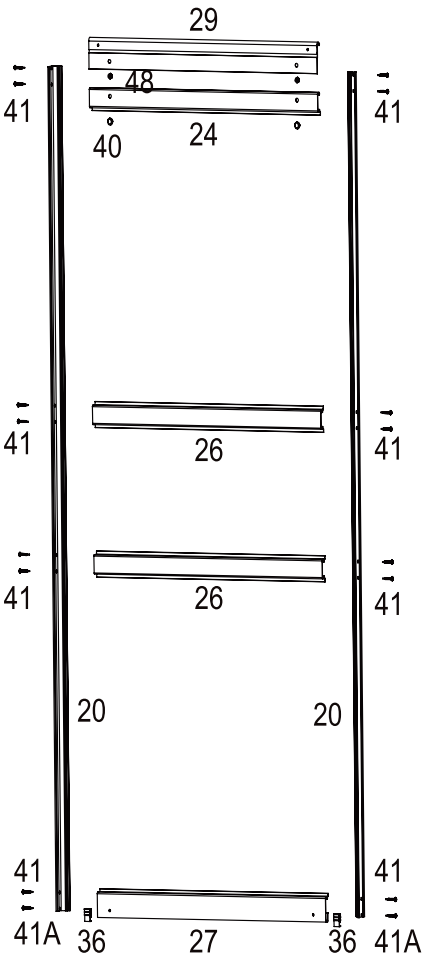
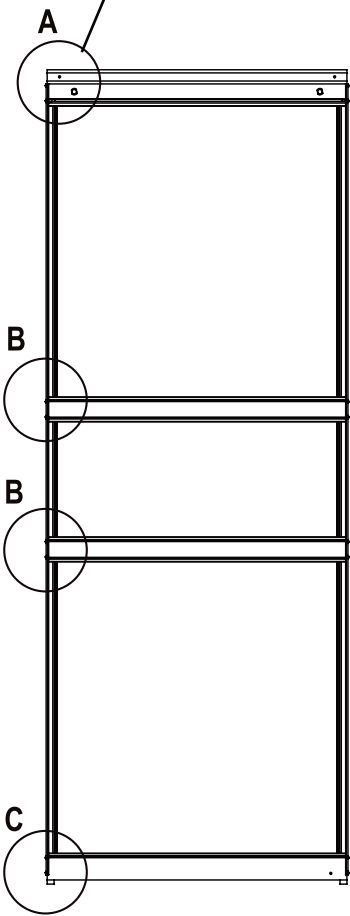
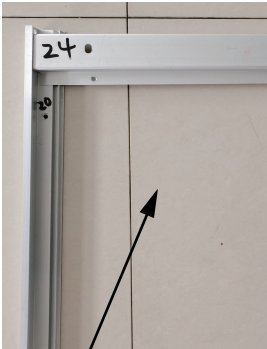


Älä kiristä ruuvia ja mutteria ennen kuin olet koonnut numeron 30. Vasta kun numero 30 on asetettu paikoilleen, kiristä ruuvi.

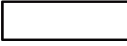
Irrota luukkuun tulevasta muovilevystä (nr 5) suojakalvot ja aseta valkoisella suojakalvolla peitetty puoli (UV-suojattu) kasvihuoneesta ulospäin. Läpinäkyvällä suojakalvolla peitettyssä puolella ei ole UV-suojaa, se puoli levystä asetetaan kasvihuoneen sisäsuuntaan

LIUKUOVEN RUNGON KOKOAMINEN

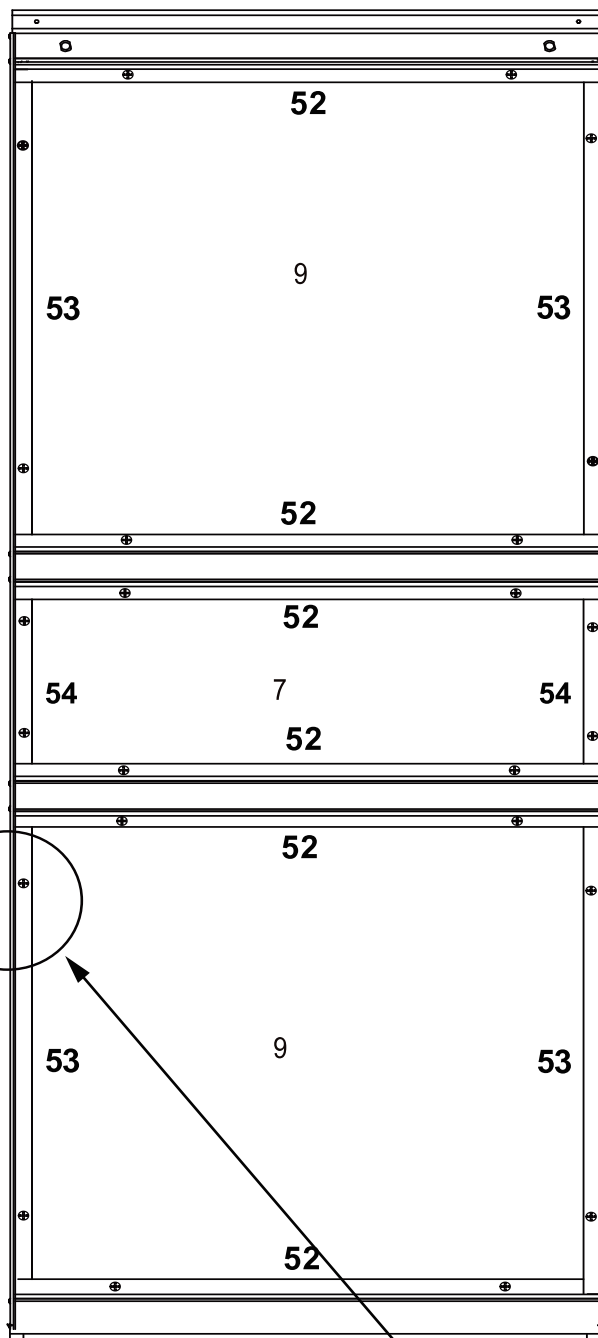
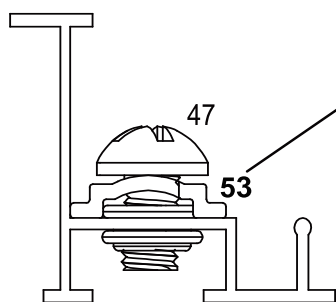
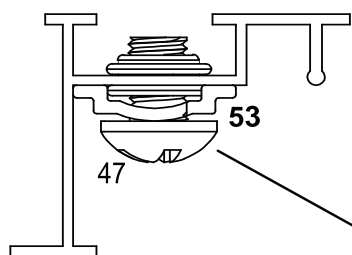
Tuotenro.	Määrä	Kuva (poikkileikkauskuva)	Mitat (mm)
20	2KPL		1608
24	1KPL		610
26	2KPL		610
27	1KPL		610
29	1KPL		605
36	2KPL		
40	2KPL		
41	14KPL		
41A	2KPL		
48	2KPL		



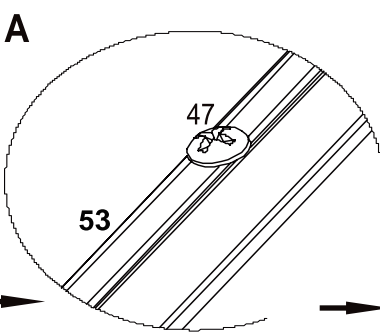
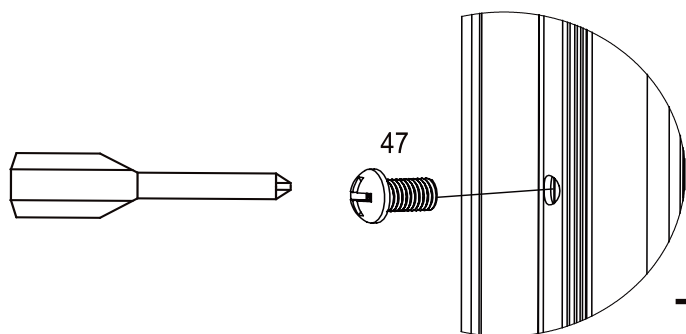
MUOVILEVYJEN ASENNUS OVEEN

Tuotenro.	Määrä	Kuva
47	24KPL	
52	6KPL	
53	4KPL	
54	2KPL	
7	1KPL	
9	2KPL	

Valkoinen suojakalvolla peitetty, UV-suojattu puoli, asetetaan kasvihuoneesta ulospäin. Läpinäkyvällä suojakalvolla peitettyssä muovilevyn puolella ei ole UV-suojaa, se puoli muovilevystä asetetaan sisälle päin. Suojakalvot irrotetaan muovilevystä ennen levyn paikoilleen laittoa. Vinkki! Kun poistat valkoisen suojakalvon muovilevyn (nrot 7 ja 9) UV-suojatulta puolelta, merkitse samalla se puoli levystä teipin palalla, niin pysyt ajan tasalla UV-suojatusta puolesta kun mahdollisesti joudut kääntelemään muovilevyä paikoilleen laittaessa.

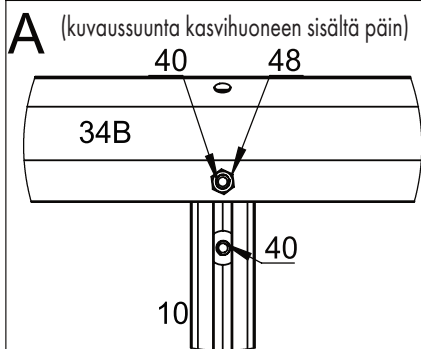
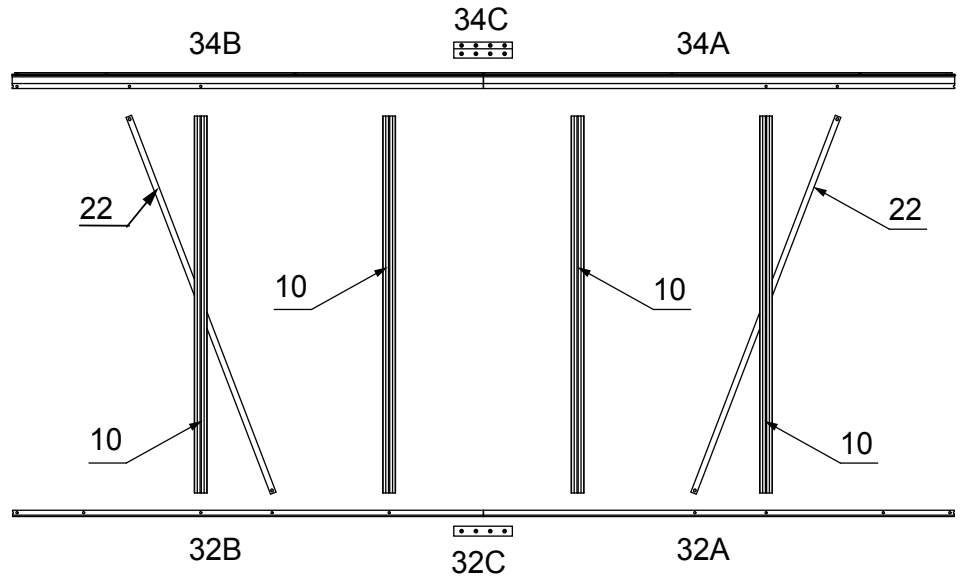


Käytä työkalua ruuvien nro 47 kiristämiseen



KOKOA VASEN SIVUSEINÄ (ETUOVEN SUUNNASTA PÄIN KATSOTTUNA)

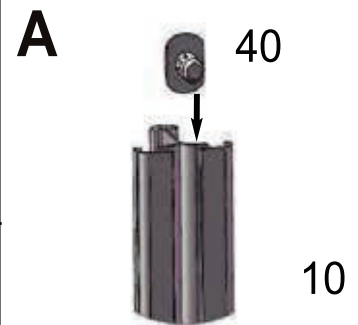
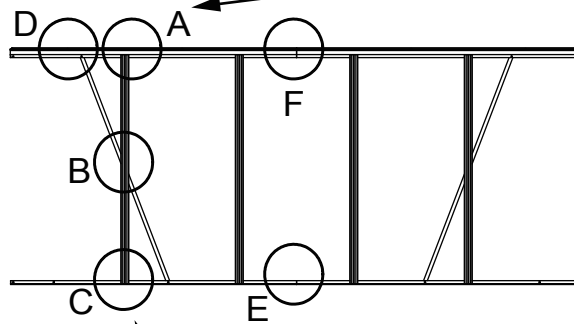
Tuotenro.	Määrä	Kuva (poikkileikkäyskuva)	Mitat (mm)
10	4KPL		1215
22	2KPL		1304
32A	1KPL		1508
32B	1KPL		1508
32C	1KPL		170
34A	1KPL		1508
34B	1KPL		1508
34C	1KPL		170
40	26KPL		
48	26KPL		



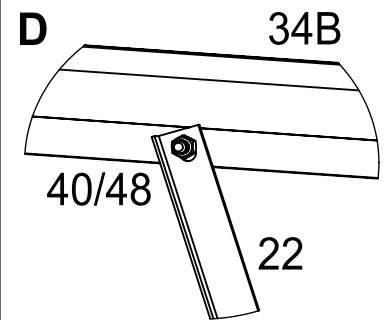
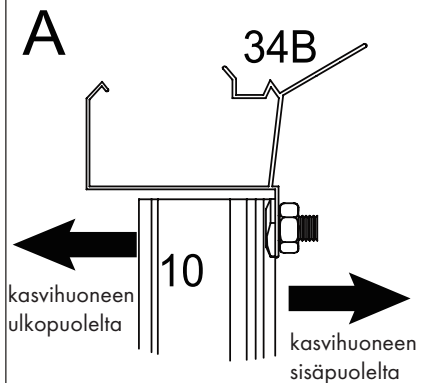
Alumiinitangon uraan laitetaan yksi ruuvi osan nro 22 kiinnittämiseksi ennen kuin osa 10 kiinnitetään osaan 34B

Liuta ensin ruuvien nro. 40 kanta alumiinitangon nro 10 uraan osan nro 22 kiinnittämiseksi osaan nro 10.

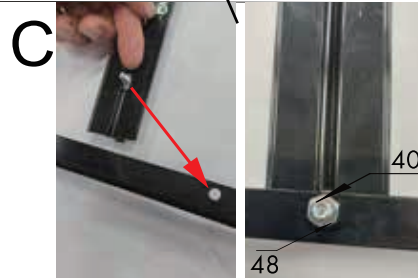
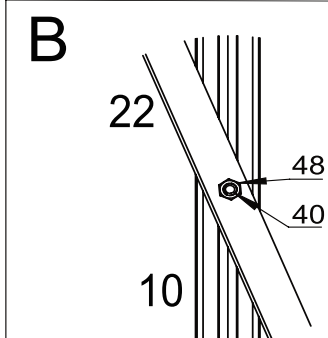
Sivuseinä sisältä päin katsottuna



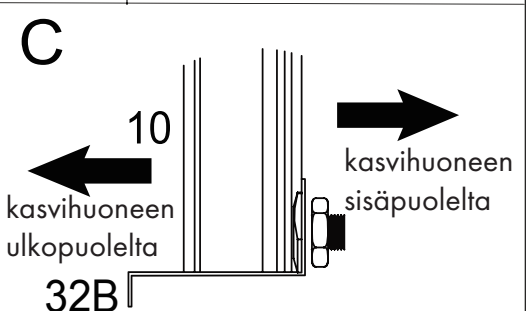
Kiinnitä huomiota ruuvien asettamiseen.



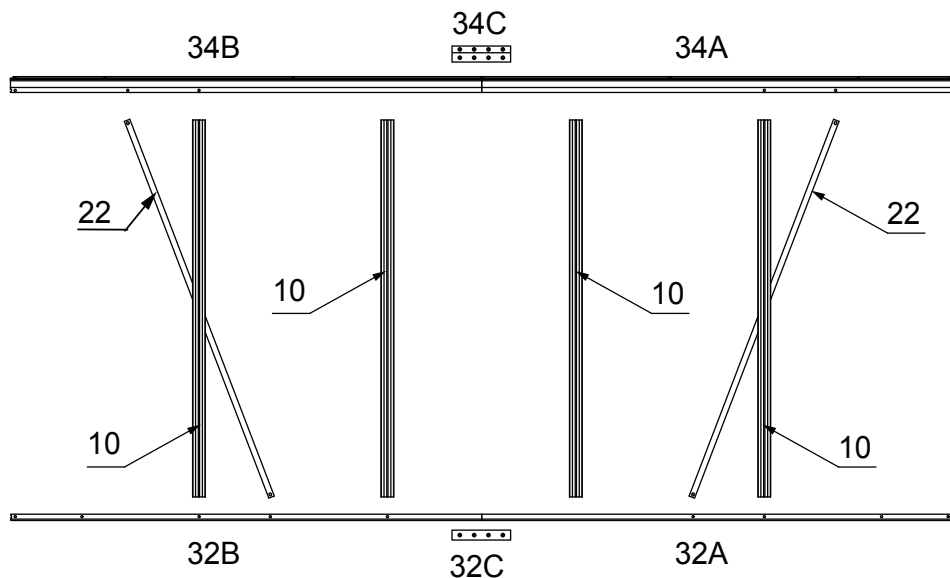
kuvaussuunta kasvihuoneen sisältä päin



Kuva C: osan 10 kiinnittäminen osaan 32A (Kuvaussuunta kasvihuoneen sisältä päin)



KOKOA OIKEA SIVUSEINÄ (ETUOVEN SUUNNASTA PÄIN KATSOTTUNA)

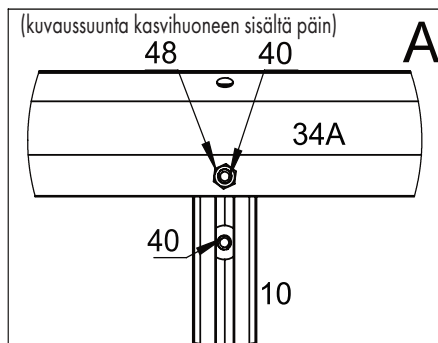
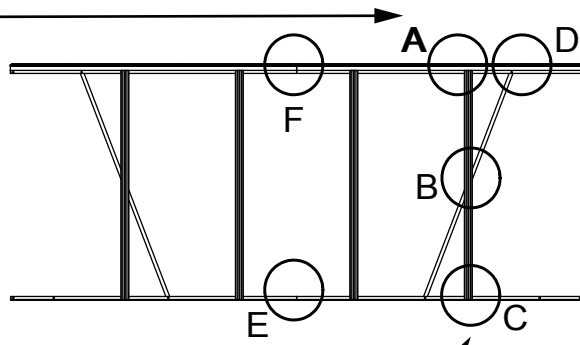


Asenna sivuseinien runko

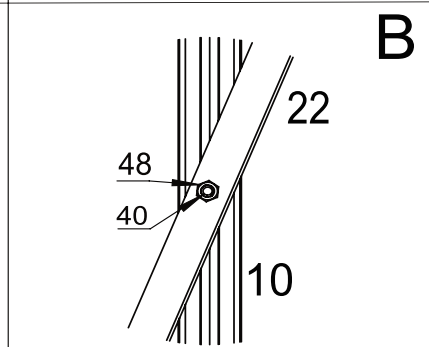
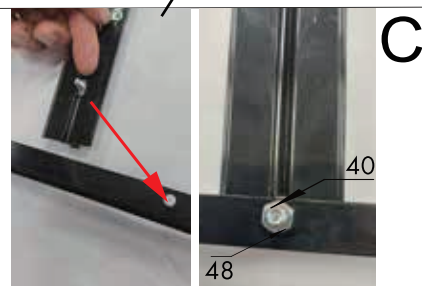
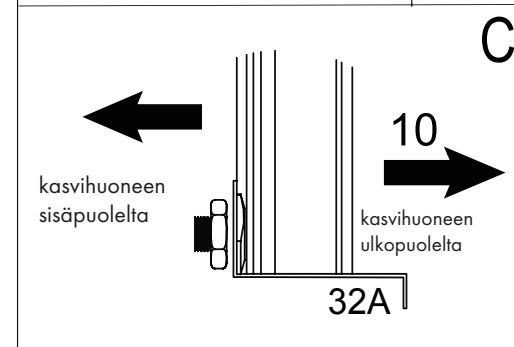
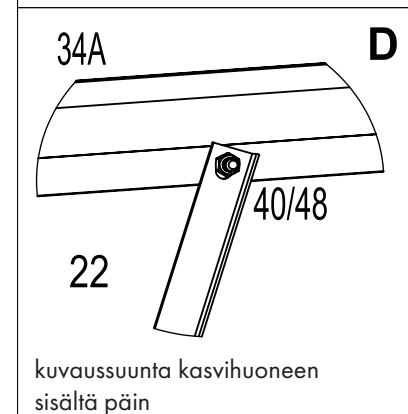
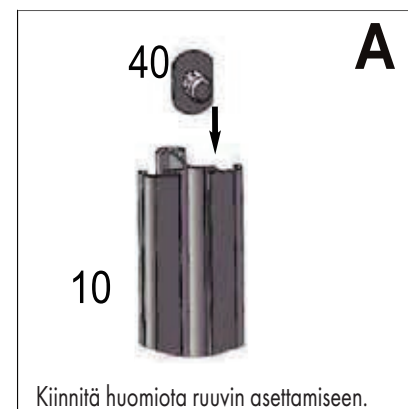
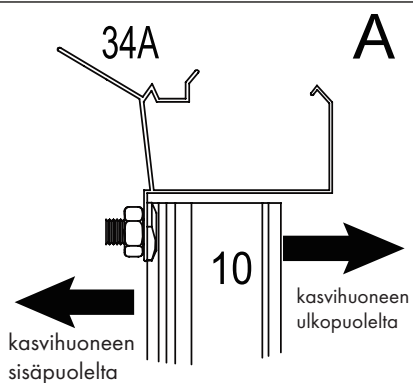
Tuotenro.	Määrä	Kuva (poikkileikkäuskuva)	Mitat (mm)
10	4KPL		1215
22	2KPL		1304
32A	1KPL		1508
32B	1KPL		1508
32C	1KPL		170
34A	1KPL		1508
34B	1KPL		1508
34C	1KPL		170
40	26KPL		
48	26KPL		

Liuta ensin ruuvien no. 40 kanta alumiinitangon nro 10 uraan osan nro 22 kiinnittämiseksi osaan no 10.

Sivuseinä sisältä päin katsottuna



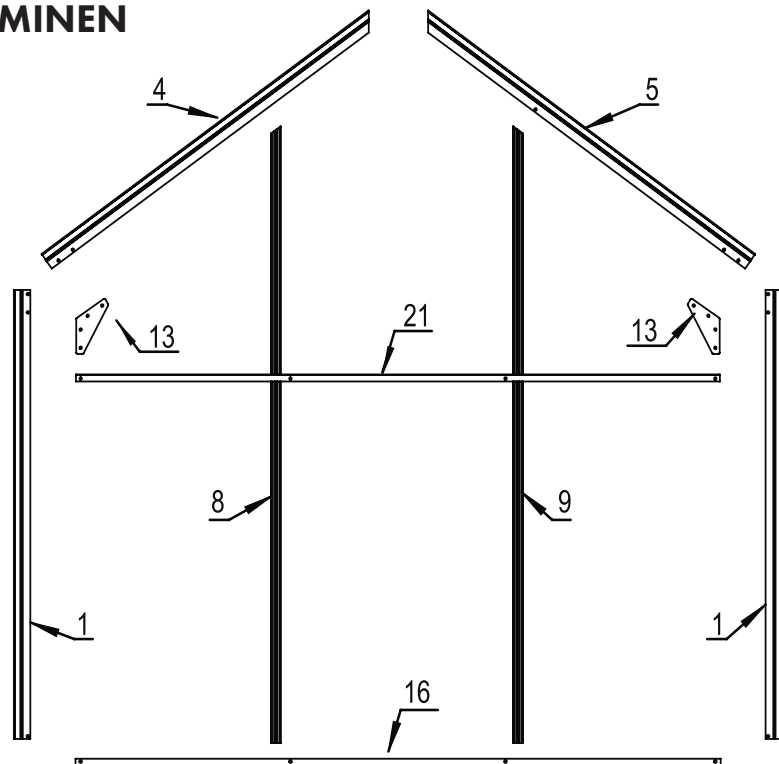
Alumiinitangon uraan laitetaan yksi ruuvi osan nro 22 kiinnittämiseksi ennen kuin osa 10 kiinnitetään osaan 34A



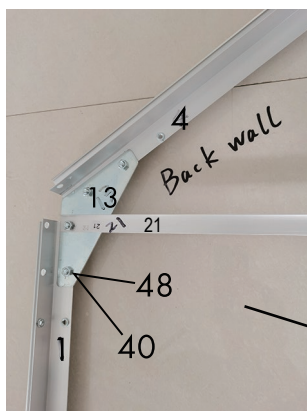
Takaseinä sisältä päin katsottuna

TAKASEINÄN RUNGON KOKOAMINEN

Tuotenro.	Määrä	Kuva (poikkileikkauskuva)	Mitat (mm)
1	2KPL		1215
4	1KPL		1134
5	1KPL		1134
8	1KPL		1670
9	1KPL		1670
13	2KPL		
16	1KPL		1822
21	1KPL		1814
40	16KPL		
48	16KPL		



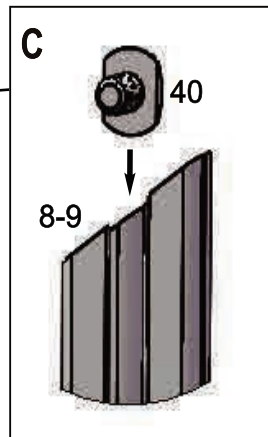
A



Ruuvien mutterit jäävät kasvihuoneen sisälle päin

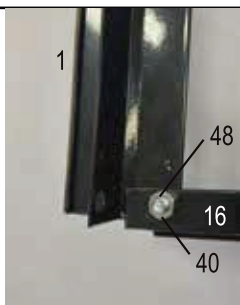
Takaseinä sisältä päin katsottuna

Aseta ensin yksi ruuvi valmiiksi



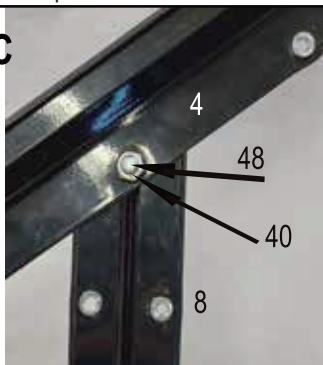
Ennen kuin kiinnität osat 4, 5 ja 16 osiin 8 ja 9, pujota yksi ruuvi (nr 40) osien nr 8 ja 9 uraan. Ja kiinnitä tällä ruuvilla osa nr 21 osiin 8 ja 9.

B



kuvaussuunta kasvihuoneen sisältä päin

C



(kuvaussuunta kasvihuoneen sisältäpäin)

D



E

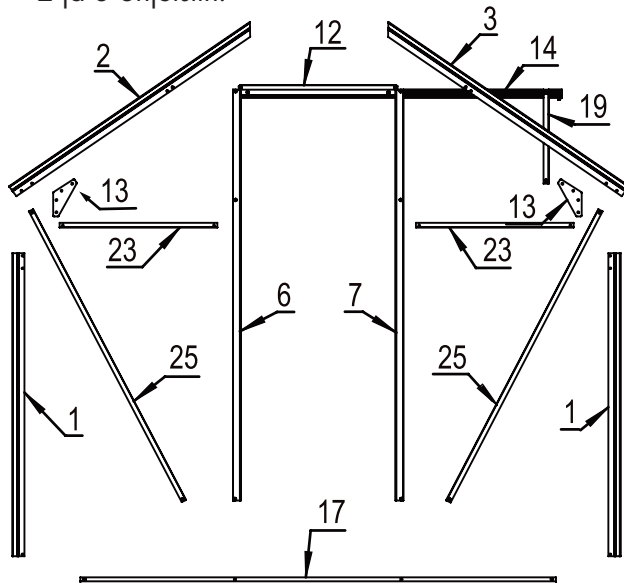


Käytä valmiiksi asetettua ruuvia osan numero 21 kiinnittämiseen

ETUSEINÄN RUNGON KOKOAMINEN

Tuotenro.	Määrä	Kuva (poikkileikkauskuva)	Mitat (mm)
1	2KPL		1215
2	1KPL		1134
3	1KPL		1134
6	1KPL		1647
7	1KPL		1647
12	1KPL		610
13	2KPL		
14	1KPL		1260
17	1KPL		1822
19	1KPL		380
23	2KPL		594
25	2KPL		1304
37	1KPL		
38	1KPL		
40	21KPL		
48	22KPL		

Kiinnitä kootessasi huomiota numeroiden 2 ja 3 ohjeisiin.



Kiinnitä numero 19 ruuveilla ensin yläosastaan. Sitten seuraa kohdan D ohjetta ja käytä osia 37 ja 38 kiinnittääksesi numeron 19 alaosastaan

A

(kuvaussuunta kasvihuoneen sisältä päin)

B

(kuvaussuunta kasvihuoneen sisältä päin)

C

(kuvaussuunta kasvihuoneen sisältä päin)

D

(kuvaussuunta kasvihuoneen ulkoa päin)

E

(kuvaussuunta kasvihuoneen ulkoa päin)

F

(kuvaussuunta kasvihuoneen sisältä päin)

A - A

osa 14 liukuu osaan 12
(kuvaussuunta kasvihuoneen ulkoa päin)

G

(kuvaussuunta kasvihuoneen ulkoa päin)
Kuva osan nro 14 asennuksen jälkeen

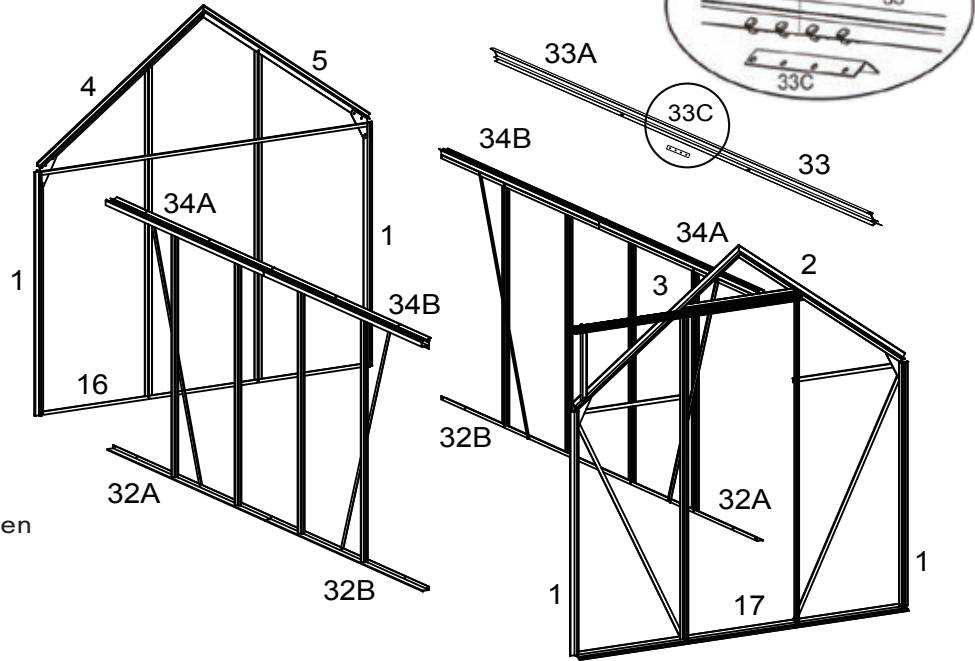
etuseinä kasvihuoneen sisältä päin katsottuna

SEINIEN KIINNITTÄMINEN TOISIINSA



Suosittelemme, että seinien rungot kiinnittää kaksi henkilöä

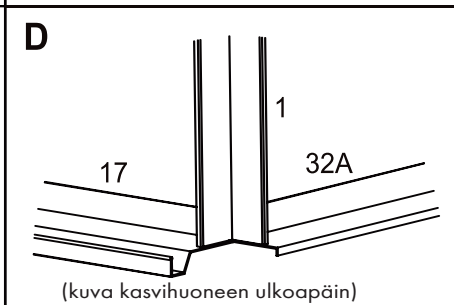
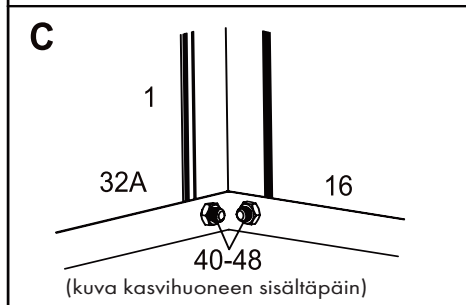
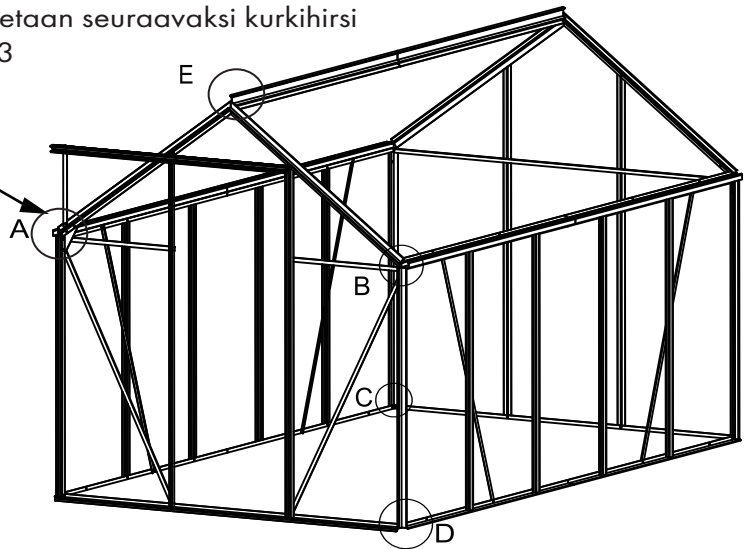
Tuotenro.	Määrä	Kuva (poikkileikkauskuva)	Mitat (mm)
33	1KPL		1506
33A	1KPL		1506
33C	1KPL		170
40	24KPL		
48	24KPL		



Huomioi kohtien A-E ohjeet rungon osien kiinnittämiseksi toisiinsa. Kiinnitysruuvit työnnetään reikiin ulkoa sisälle päin



Kun seinät ovat kiinni toisissaan, asennetaan seuraavaksi kurkihirsi osa 33

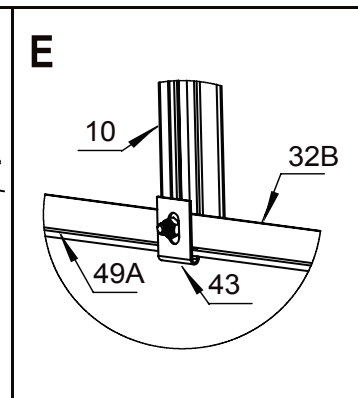
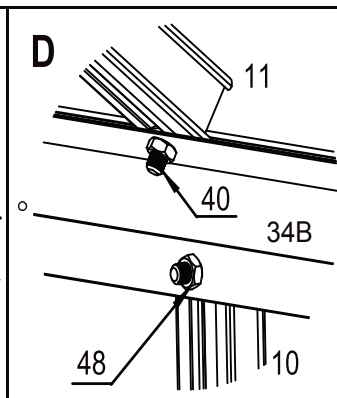
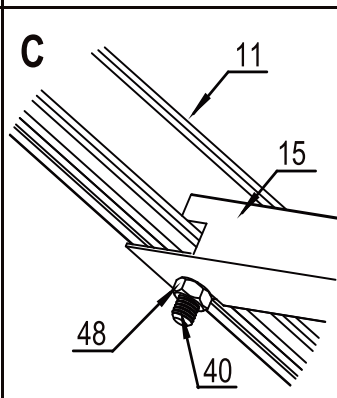
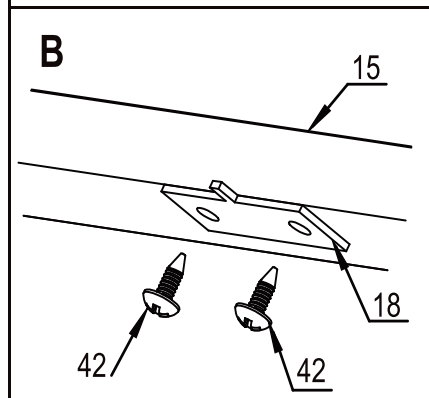
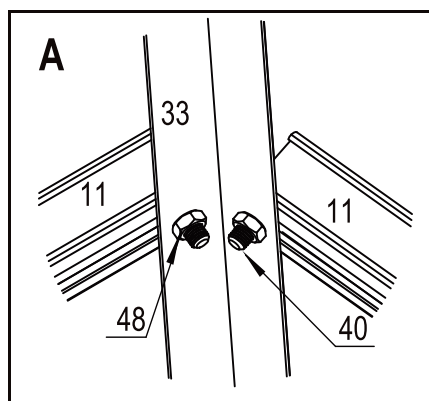
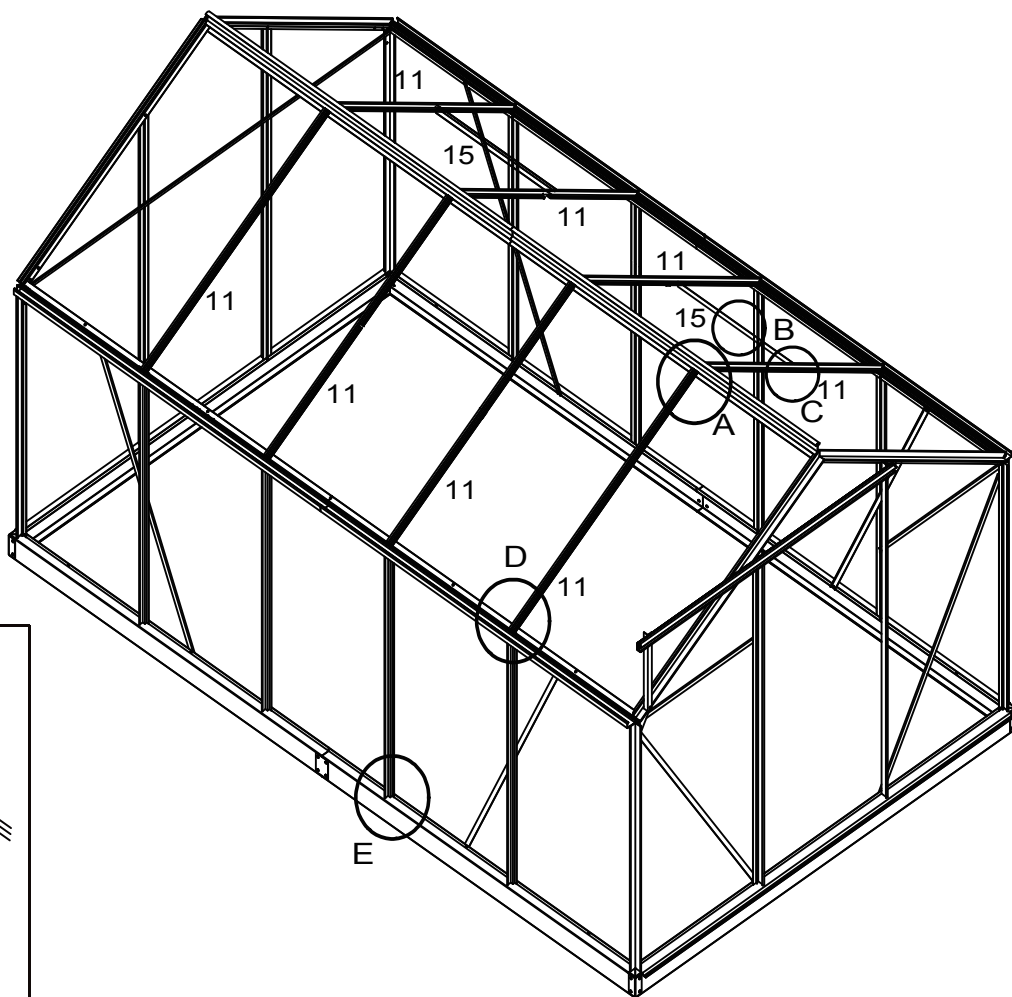


Kasvihuone saavuttaa lopullisen vakautensa, kun alumiinirungon kaikki ruuvit on kiristetty ja muovilevyt asennettu. Loppukiristys voidaan tehdä lopussa, kun kaikki osat ovat paikoillaan.

KATON KOKOAMINEN

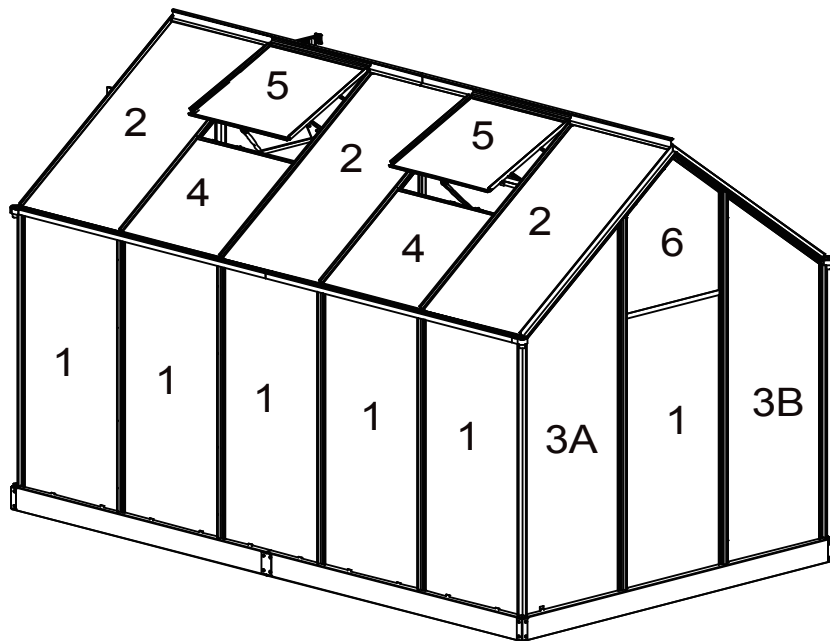


Tuotenro.	Määrä	Kuva (poikkileikkäuskuva)	Mitat (mm)
11	8KPL		1114
15	2KPL		634
18	4KPL		
40	20KPL		
42	8KPL		
43	20KPL		
48	20KPL		



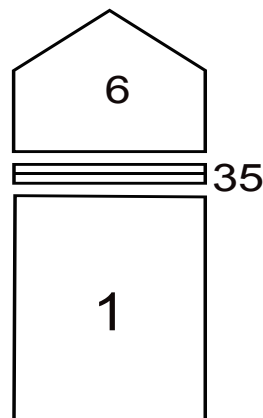
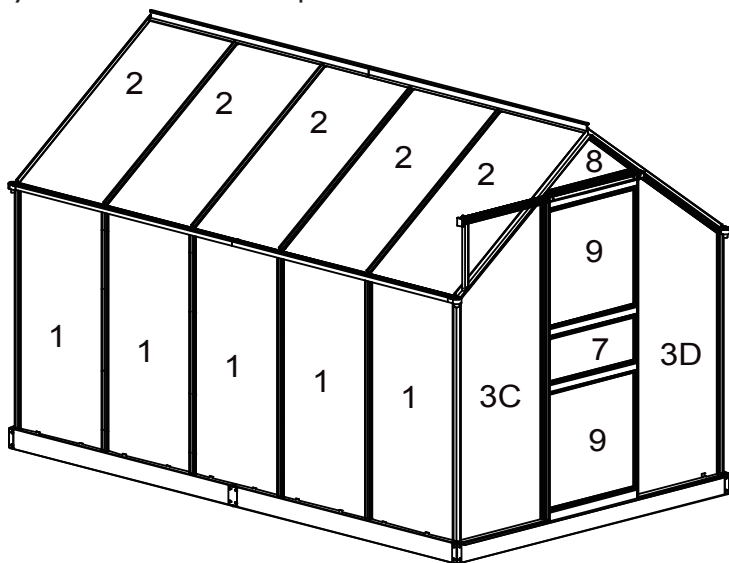
MUOVISTEN SEINÄ- JA KATTOLEVYJEN KIINNITTÄMINEN RUNKOON

Tuotenro.	Määrä	Kuva	Mitat (mm)
1	11KPL		590x1212
2	8KPL		605 x 1130
3A	1KPL		590x1667
3B	1KPL		590x1667
3C	1KPL		590x1667
3D	1KPL		590x1667
4	2KPL		605 x 585
5	2KPL		595 x 550
6	1KPL		590x675
7	1KPL		605 x 252
8	1KPL		615 x 241
9	2KPL		605 x 602
35	1KPL		563



Levyn numero osoittaa levyn paikan.

Yksityiskohtainen asennusohje on sivuilla 40-44



Poista suojakalvot seinän ja katon muovilevyistä ennen niiden asentamista paikoilleen. Suojakalvon väri osoittaa, kumpi puoli paneelistä on UV-suojattu (asennus ulospäin). Katso alemmaa!

Seinien 1,2 mm muovilevyt



Valkoinen suojakalvo 1,2 mm muovilevyissä osoittaa levyn UV-suojatun puolen. Tämä puoli ulospäin.



Läpinäkyvä suojakalvo 1,2 mm muovilevyissä osoittaa levyn UV-suojaamattoman puolen. Tämä puoli sisäänpäin.

Katon 4,0 mm muovilevyt

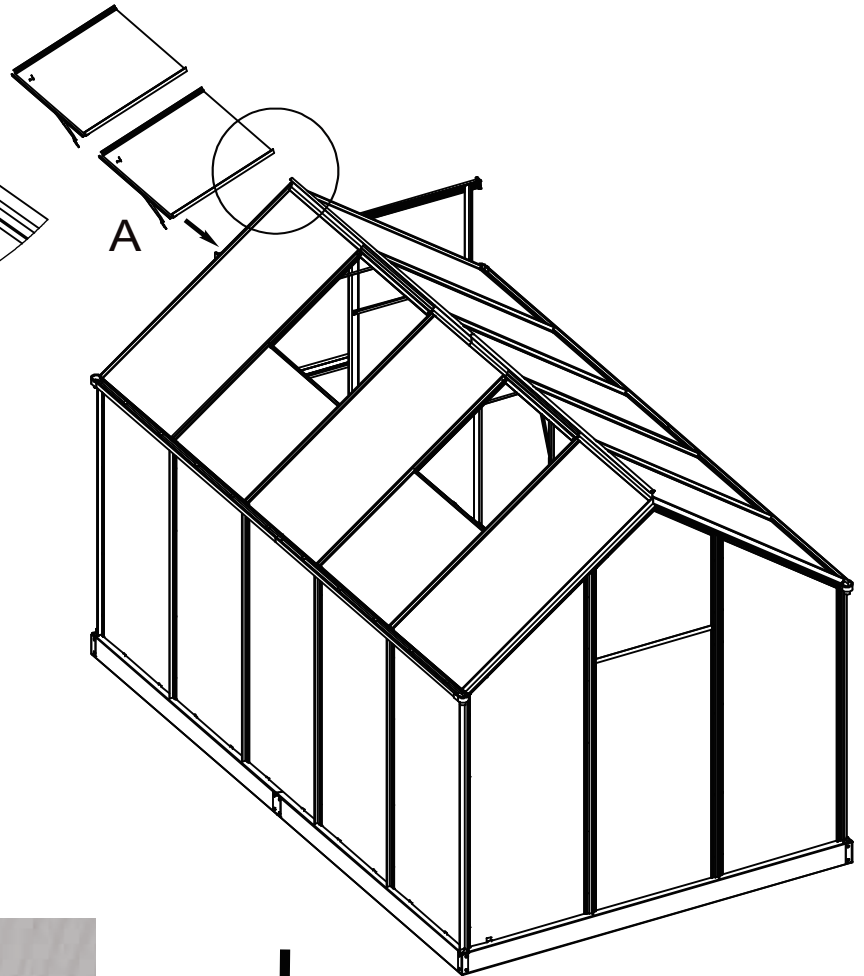
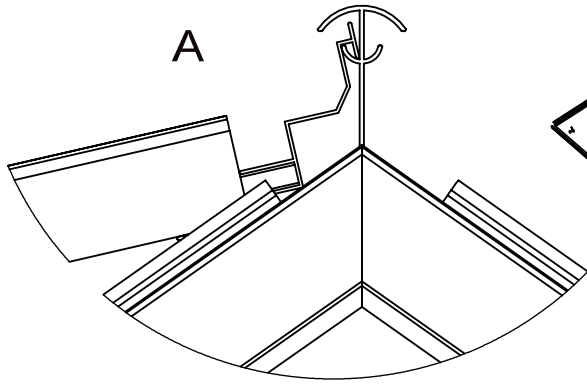


Valkoinen suojakalvo 4,0 mm muovilevyissä osoittaa levyn UV-suojatun puolen. Tämä puoli ulospäin.



Läpinäkyvä suojakalvo 4,0 mm muovilevyissä osoittaa levyn UV-suojaamattoman puolen. Tämä puoli sisäänpäin.

Liu`uta kattoluukku kuvan mukaisesti paikoilleen
kurkikirren uraa pitkin

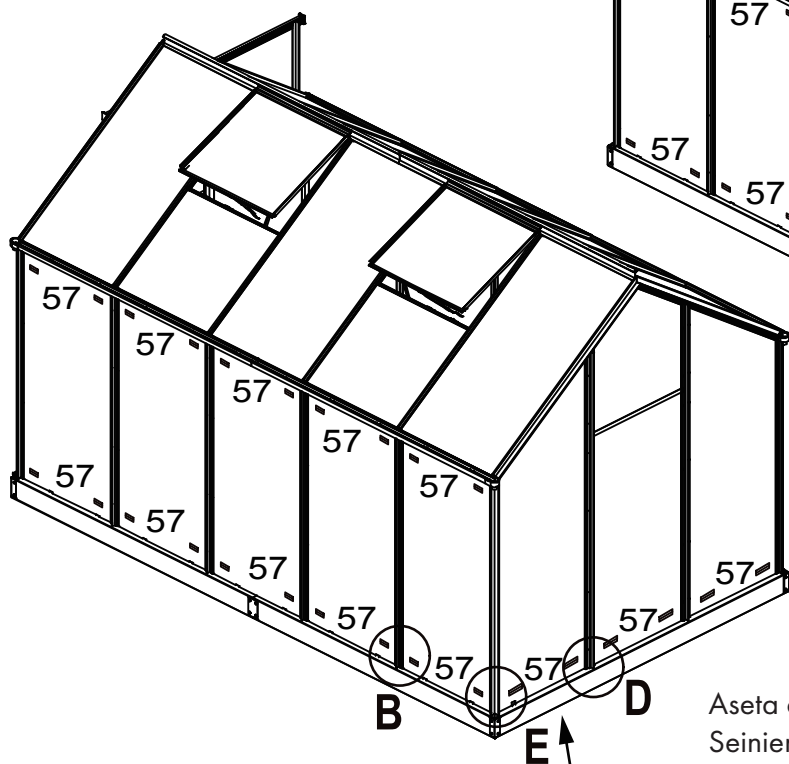
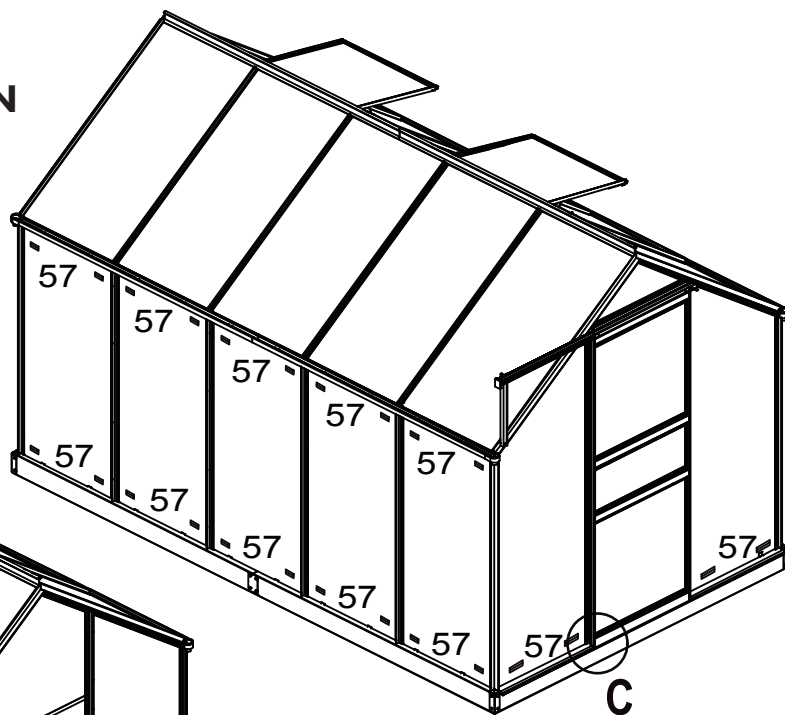


Kattoluukun tuulisalpa

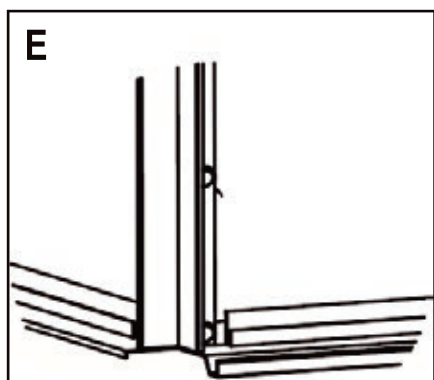
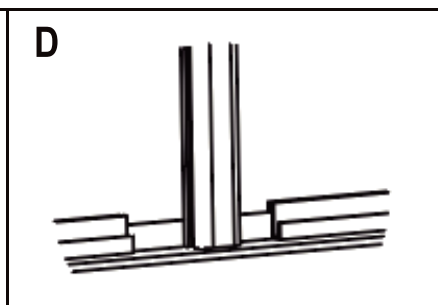
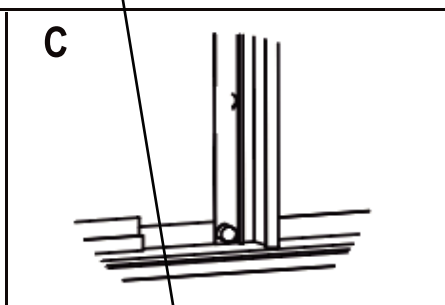
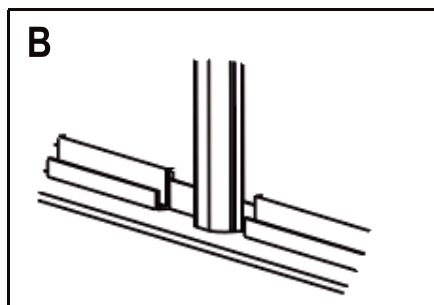


MUOVILEVYJEN KIINNITTÄMINEN

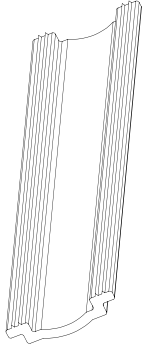
Tuotenro.	Määrä	Kuva
57	50KPL	



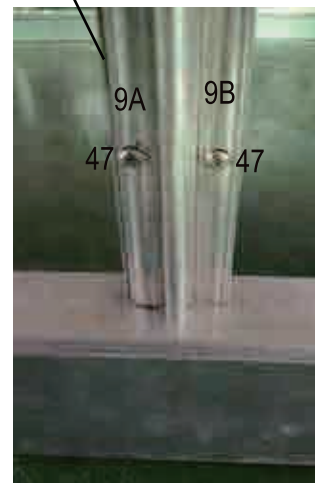
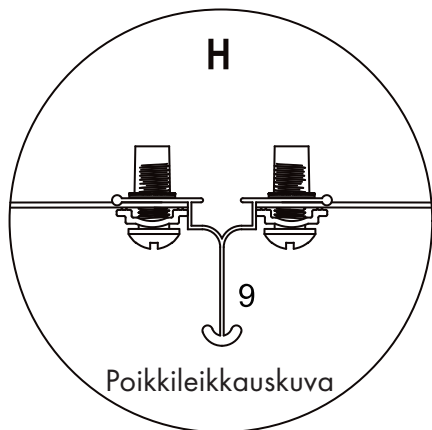
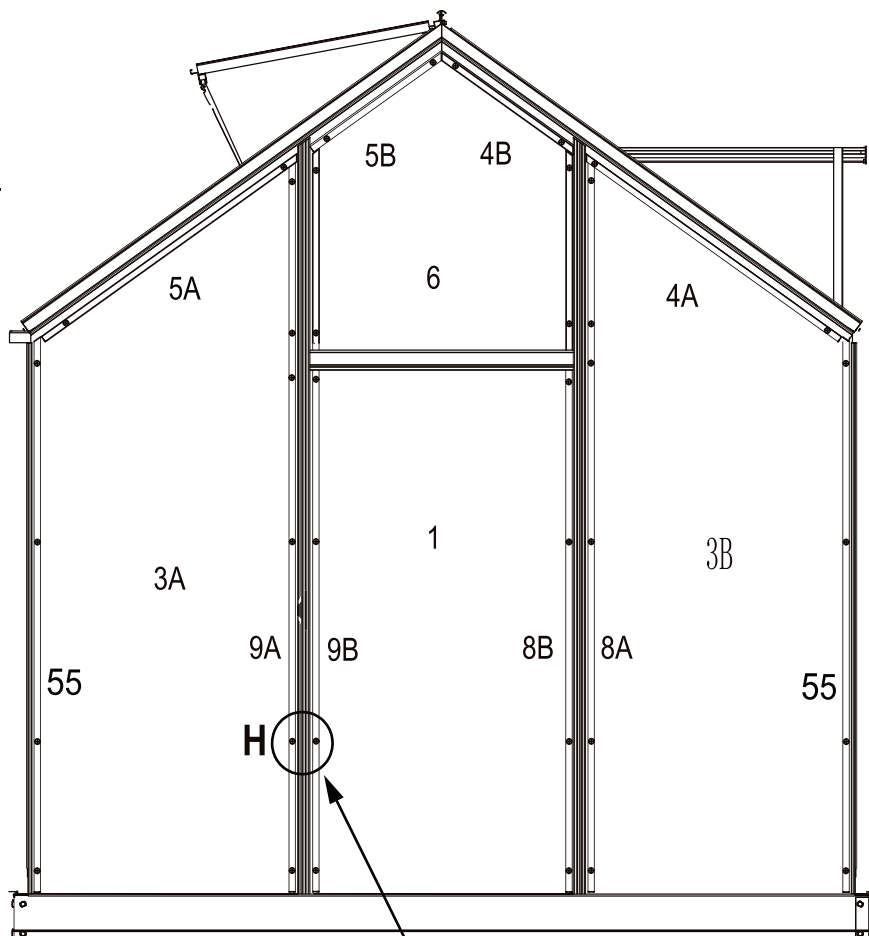
Aseta osat nr 57 paikoilleen kuvissa näytetyn mukaisesti. Seinien muovilevyt asetetaan ylä- ja alareunastaan osan nr 57 uraan (kts. kuva alla).



TAKASEINÄN MUOVILEVYJEN KIINNITTÄMINEN

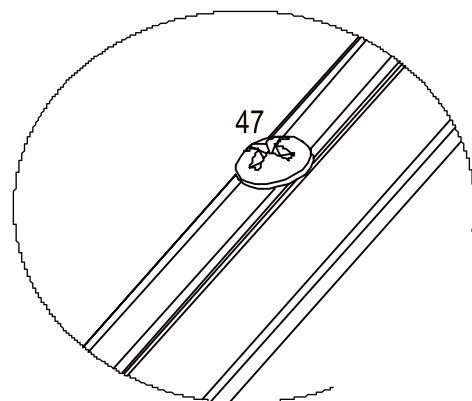
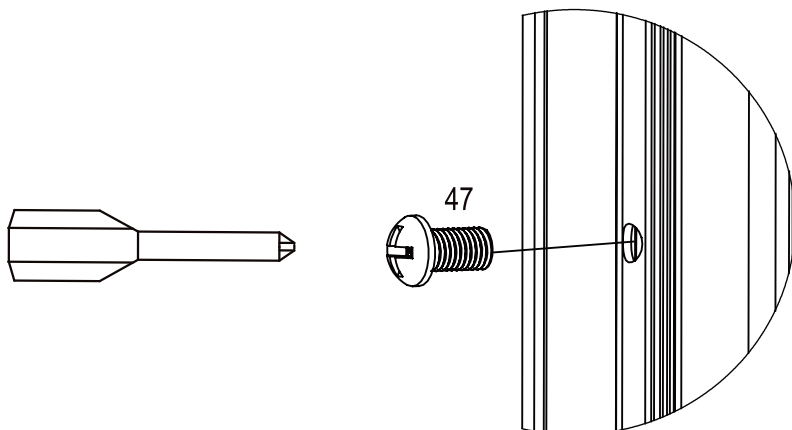
Tuotenro.	Määrä	Kuva (poikkileikkaus)	Mitat (mm)
55	2KPL		1213
4A	1KPL		695
4B	1KPL		355
5A	1KPL		695
5B	1KPL		355
8A	1KPL		1645
8B	1KPL		1645
9A	1KPL		1645
9B	1KPL		1645
47	40KPL		M5*10
1	1KPL		
6	1KPL		
3A	1KPL		
3B	1KPL		

HUOM! Valkoinen suojakalvolla peitetty, UV-suojattu puoli seinälevystä asetetaan aurinkoon päin. Läpinäkyvän suojakalvon puoli on ilman UV-suojaa, se puoli kasvihuoneen sisäsuuntaan



Muoviset seinälevyt kiinnitetään runkoon levyjen päälle ruuvattavan alumiinilistan avulla

Käytä työkalua ruuvien nro 47 kiristämiseen

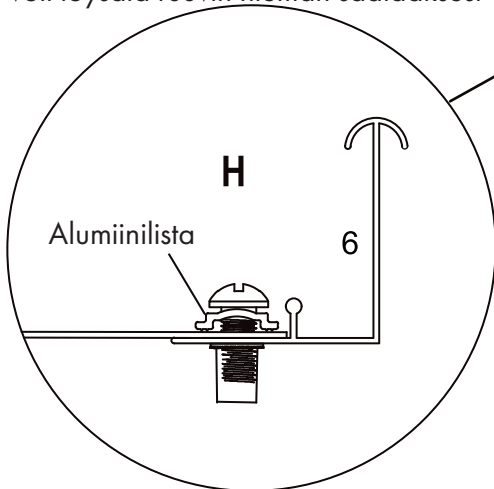
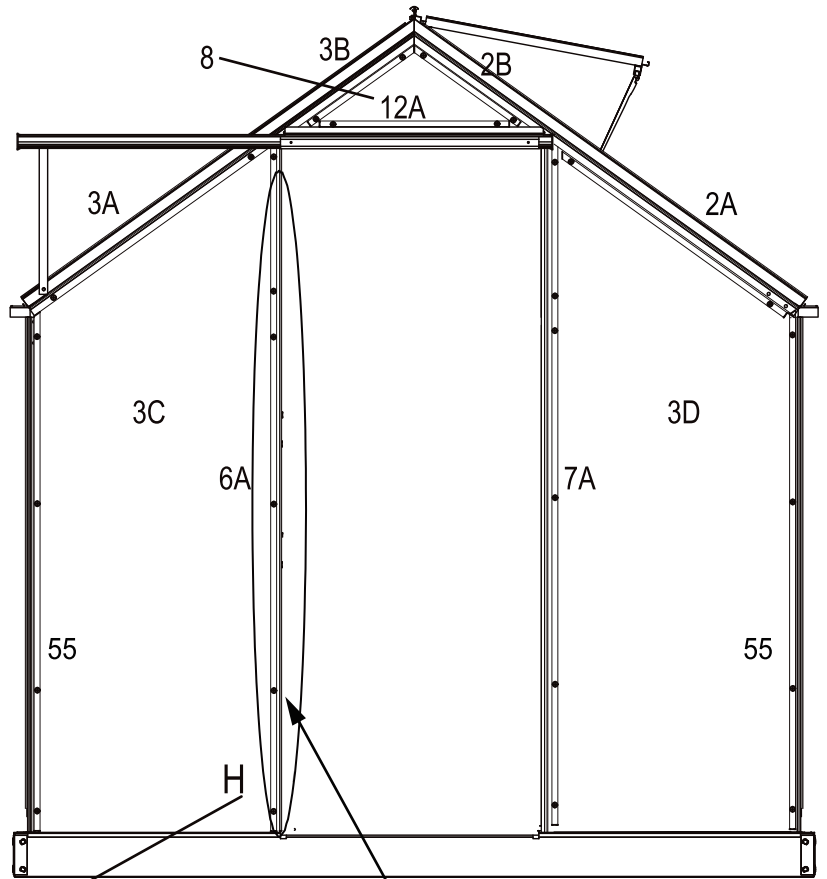


ETUSEINÄN MUOVILEVYJEN KIINNITTÄMINEN

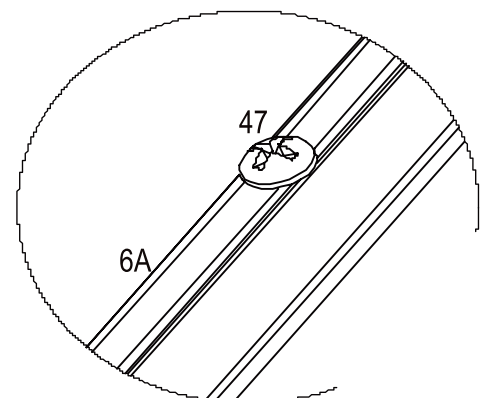
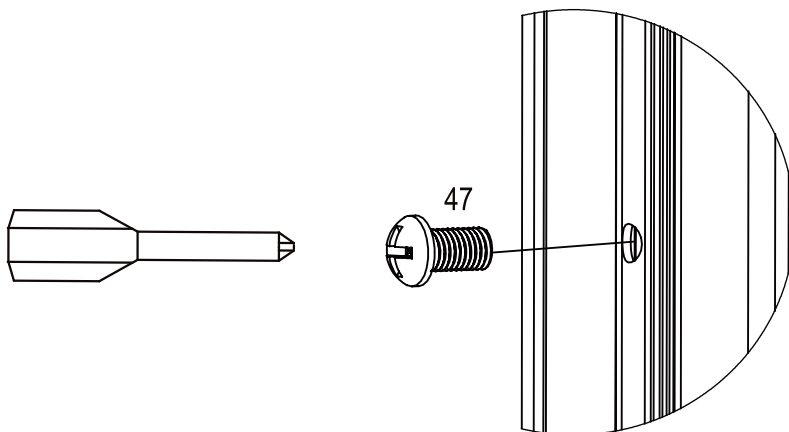
Tuotenro.	Määrä	Kuva	Mitat (mm)
55	2KPL		1213
2A	1KPL		695
2B	1KPL		355
3A	1KPL		695
3B	1KPL		355
6A	1KPL		1645
7A	1KPL		1645
12A	1KPL		540
47	30KPL		M5*10
8	1KPL		
3C	1KPL		
3D	1KPL		

HUOM! Valkoinen suojakalvolla peitetty, UV-suojattu puoli seinälevystä asetetaan aurinkoon päin. Läpinäkyvässä suojakalvossa ei ole UV-suojaa, se puoli kasvihuoneen sisäsuuntaan

Jos seinäpaneelin reikä ja rungon reikä eivät sovi yhteen, voit löysätä ruuvin hieman säätääksesi

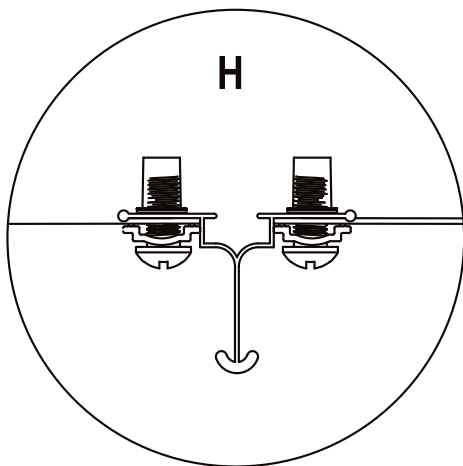


Käyt työkalua ruuvien nro 47 kiristämiseen

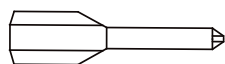


VASEMMAN SEINÄN (ovelta päin katsoen) SEINÄ- JA KATTOLEVYJEN ASENTAMINEN

Tuotenro.	Määrä	Kuva	Mitat (mm)
55	10KPL		1213
56	32KPL		
47	40KPL		M5 * 10
1	5KPL		
2	3KPL		
4	2KPL		
5	2KPL		



Käytä työkalua ruuvien nro 47 kiristämiseen



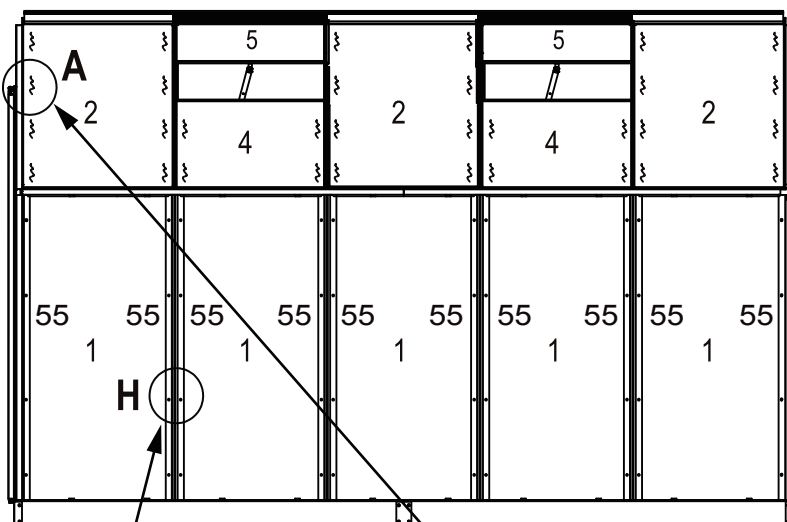
Seinien 1,2 mm muovilevyt



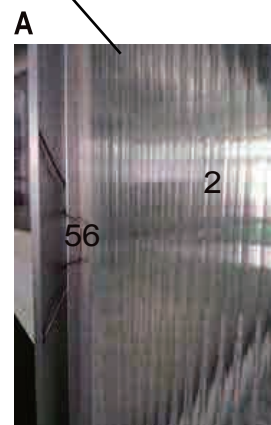
Valkoinen suojakalvo 1,2 mm muovilevyissä osoittaa levyn UV-suojatun puolen.



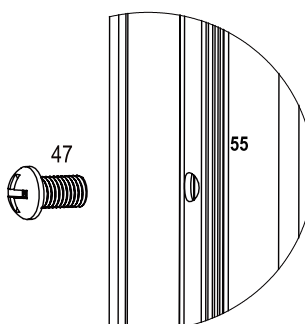
Läpinäkyvä suojakalvo 1,2 mm muovilevyissä osoittaa levyn UV-suojaamattoman puolen.



kuva läpinäkyvän seinäpaneelin kiinnityksestä sen päälle ruuvattavan alumiinilistan avulla.



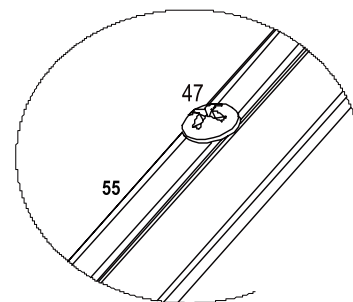
kuva 4 mm:n kattopaneelin kiinnityksestä Kattopaneelit kiinnitetään runkoon osan 56 avulla



Katon 4,0 mm muovilevyt

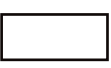
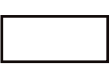


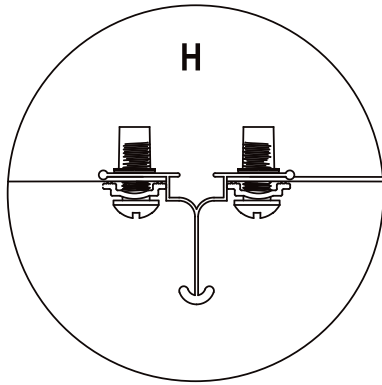
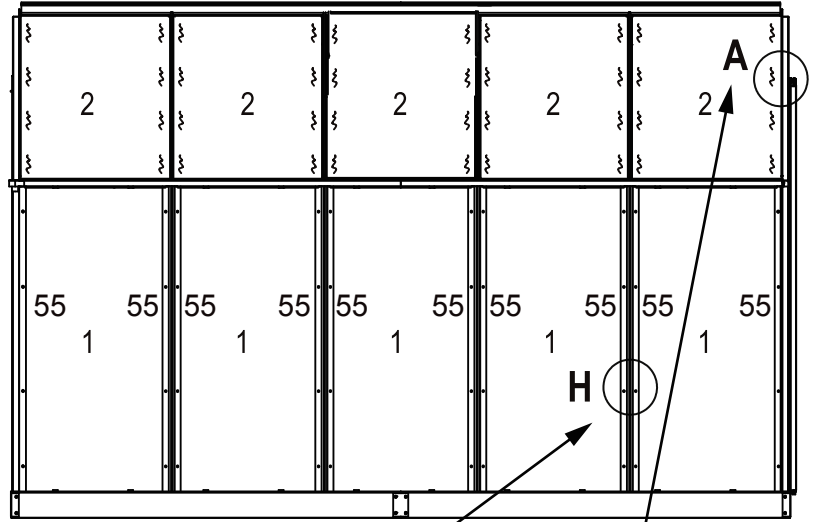
Valkoinen suojakalvo 4,0 mm muovilevyissä osoittaa levyn UV-suojatun puolen.



Läpinäkyvä suojakalvo 4,0 mm muovilevyissä osoittaa levyn UV-suojaamattoman puolen.

OIKEAN SEINÄN (ovelta päin katsoen) SEINÄ- JA KATTOLEVYJEN ASENTAMINEN

Tuotenro	Määrä	Kuva	Mitat (mm)
55	10KPL		1213
56	40KPL		
47	40KPL		M5 * 10
1	5KPL		
2	5KPL		

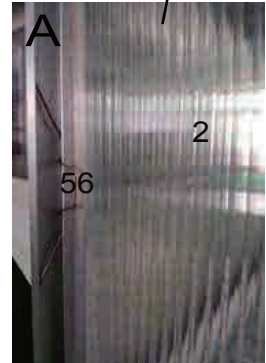


Käytä työkalua ruuvien nro 47 kiristämiseen

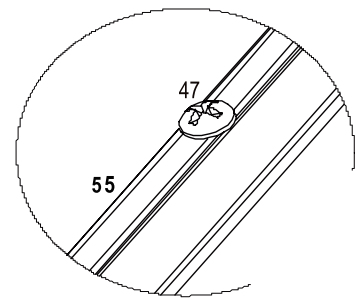
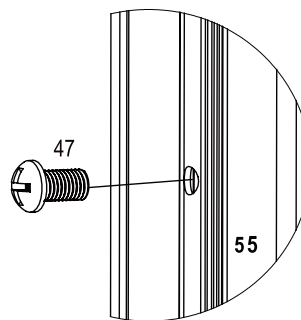
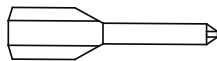


kuva läpinäkyvän seinäpaneelin kiinnityksestä kiinnityksestä sen päälle ruuvattavan alumiinilistan avulla.

kuva 4 mm:n kattopaneelin kiinnityksestä



Käytä klipsiä numero 56 kattopaneelin kiinnittämiseen



Seinien 1,2 mm muovilevyt



Valkoinen suojakalvo 1,2 mm muovilevyissä osoittaa levyn UV-suojatun puolen.



Läpinäkyvä suojakalvo 1,2 mm muovilevyissä osoittaa levyn UV-suojaamattoman puolen.

Katon 4,0 mm muovilevyt

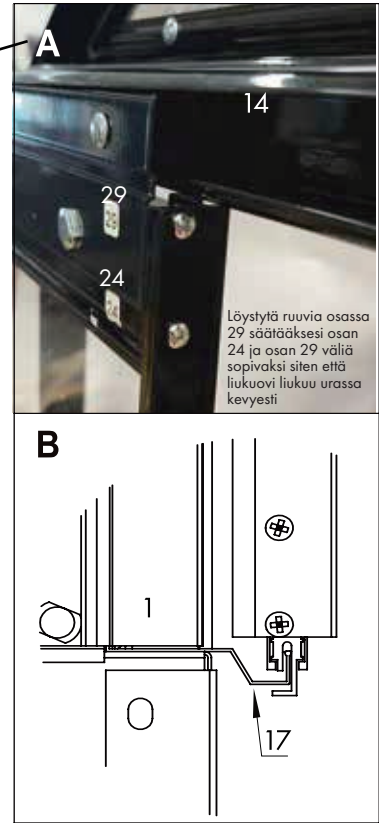
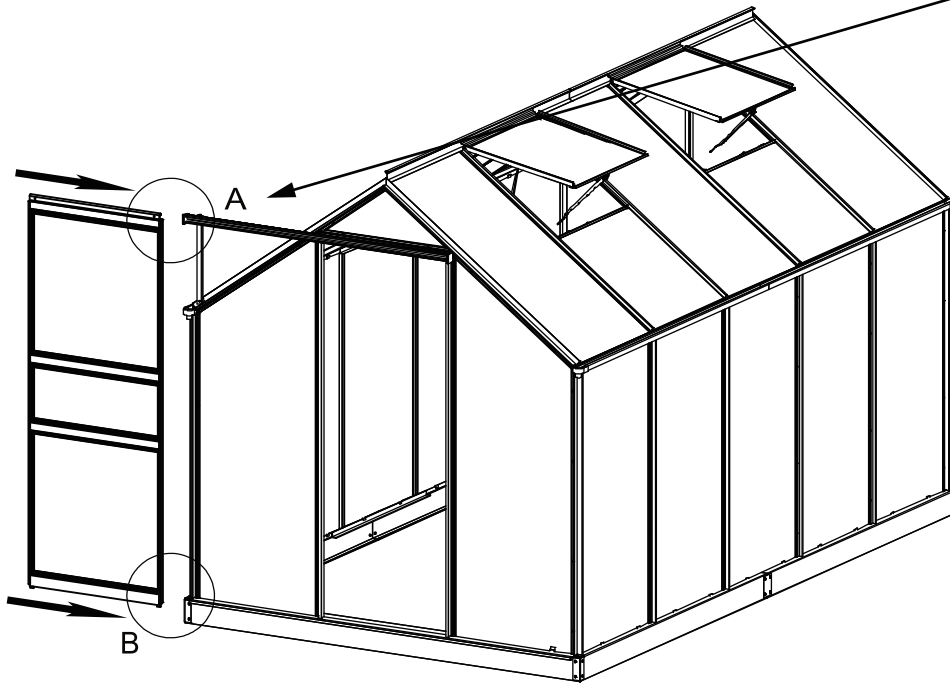


Valkoinen suojakalvo 4,0 mm muovilevyissä osoittaa levyn UV-suojatun puolen.



Läpinäkyvä suojakalvo 4,0 mm muovilevyissä osoittaa levyn UV-suojaamattoman puolen.

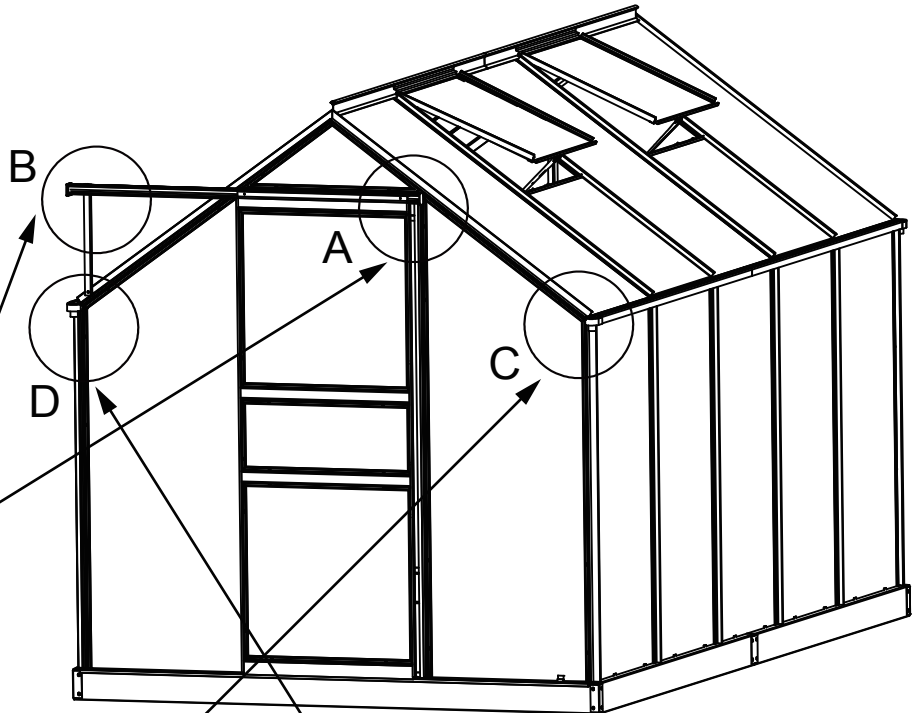
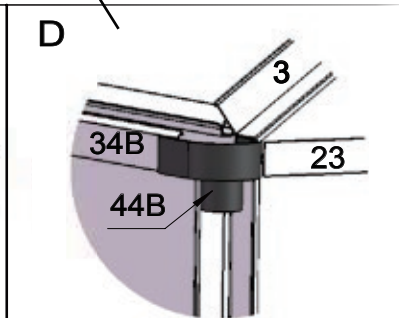
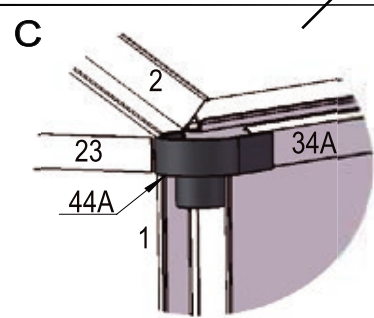
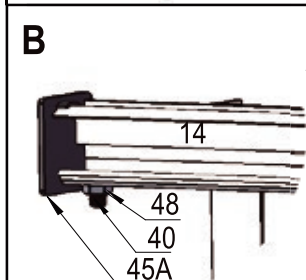
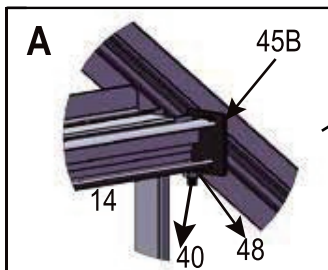
LIUKUOVEN KIINNITTÄMINEN



SADEVESIRÄNNIN ASENTAMINEN

Muovinen alaosa napsahtaa kiskon nro. 17 koloon

Tuotenro.	Kuva	Määrä
40		2KPL
44A		2KPL
44B		2KPL
45A		1KPL
45B		1KPL
48		2KPL



Huolto:

Älä anna korkeiksi kasvavien kasvien päästä liian lähelle kattorakenteita. Liian suuri paino katolla voi vahingoittaa kasvihuoneen runkoa, varsinkin jos sataa tai tuulee kovaa. Puhdista lehdet katolta, sillä ne soivat heikentää levyjen valon läpäisevyyttä. Pidä kasvihuoneen katto puhtaana jäältä ja lumesta. Tarpeen vaatiessa aseta kasvihuoneen sisälle tukiparru tukemaan kattoa talvisin. Myrskysäällä varmista, että kasvihuone on tiukasti kiinni maassa, ja että kattoluukki ja ovi pysyvät kiinni. Tarpeen vaatiessa kiinnitä kasvihuone läheisiin puihin tukevalla köydellä tai vaijerilla.

Varmista säännöllisesti, että rungon ruuvit ovat pysyneet kireällä. Vältä seinän muovilevyjen ja katon polykarbonaattipaneelien lyömistä terävillä esineillä. Jos paneelissa on viilto tai reikä, se voidaan korjata liimalla tai läpinäkyvällä teipillä.

Pidä katon polykarbonaattipaneelit puhtaana, jotta ne läpäisevät hyvin valoa. Yleensä ottaen polykarbonaattipaneelit vaihdetaan 5-10 vuoden välein, jos huomataan, että niiden valon läpäisykyky heikkenee.

Placering:

- Placera inte växthuset i ett område där det utsätts för väldigt starka vindar.
- Välj en solig, plan plats utan överhängande träd.

Montering:

- Vi rekommenderar att du använder handskar och skyddsglasögon under monteringen.
- Håll barn borta från monteringsområdet.
- Montera inte växthuset i blåsiga eller våta förhållanden.
- Verktyg som du behöver vid montering är en elektrisk skruvmejsel/bormaskin och ett måttband
- Det behövs 2–3 dagar att färdigställa växthuset
- Vissa monteringssteg kräver två personer
- Förvara små delar (skruvar, mm.) i lådorna och påsarna så att de inte försvinner.
- Samtliga delar är numrerade, och motsvarande nummer finns i monteringsinstruktionerna.
- Börja monteringen med arrangera delar med samma nummer i grupper runt installationsplatsen.
- Växthusets aluminiumram byggs först och man avslutar med att lägga till PC-panelerna.
- Genomskinliga PC-paneler används för väggarna och ihåliga PC-paneler används för taket.
- Filmen skyddar PC-panelerna och bör behållas på för att skydda panelerna under monteringen och tas bort först när panelen monteras.
- Dra endast åt skruvarna så hårt som möjligt när du är säker på att monteringssteget är korrekt utfört
- Säkerställ att växthuset är väl förankrat i marken
- Hantera vägg- och takpanelerna i polykarbonat med särskild försiktighet så att de inte repas under monteringen.
- Tips! För att förhindra att fukt och smuts inte kommer in i panelerna kan du stänga öppningarna i slutet av 4 mm takpanelerna med en genomskinlig tejp (tejp ingår inte i förpackningen). Detta gör att takpanelen behåller en god ljusgenomsläpplighet och håller längre.

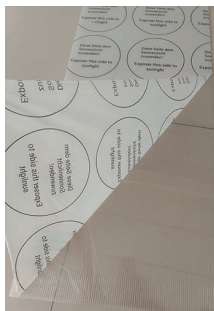
Ta bort skyddsfilmerna från polykarbonatpanelerna för väggar och tak innan du monterar dem på plats. Färgen på skyddsfilmen anger vilken sida av panelen som är UV-skyddad (installation mot solen). Se nedan!

Väggpaneler 1,2 mm

Väggpanelernas vit skyddsfilm på 1,2 mm visar den UV-skyddade sidan av panelen.



Väggpanelernas genomskinliga skyddsfilm på 1,2 mm visar den UV-oskyddade sidan av panelen.

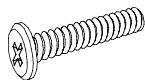
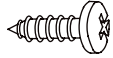
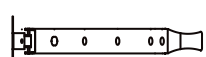
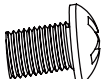
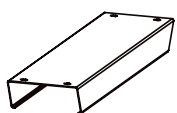
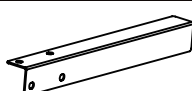
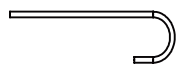
Väggpaneler 4,0 mm

Takpanelernas vita skyddsfilm på 4,0 mm visar den UV-skyddade sidan av panelen.



Takpanelernas genomskinliga skyddsfilm på 4,0 mm visar den UV-oskyddade sidan av panelen.

Art.nr.	Bild	Kvantitet	Mått (mm)		Art.nr.	Bild	Kvantitet	Mått (mm)
1		4	1215		22		4	1304
2		1	1134		23		2	594
3		1	1134		24		1	610
4		1	1134		25		2	1304
5		1	1134		26		2	610
6		1	1647		27		1	610
7		1	1647		28		4	520
8		1	1675		29		1	608
9		1	1675		30		2	590
10		8	1215		31		2	590
11		8	1114		32A		2	1508
12		1	603		32B		2	1508
13		4			32C		2	170
14		1	1250		33		1	1506
15		2	634		33A		1	1506
16		1	1822		33C		1	170
17		1	1822		34A		2	1508
18		4			34B		2	1508
19		1	380		34C		2	170
20		2	1608		35		1	563
21		1	1814		36		2	

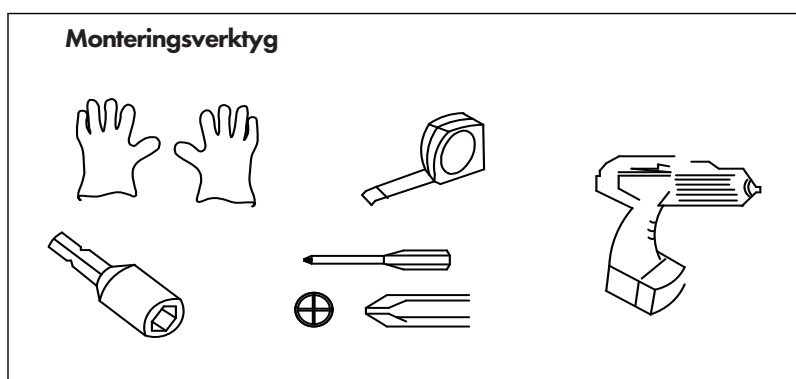
Art.nr.	Bild	Kvantitet	Mått (mm)		Art.nr.	Bild	Kvantitet	Mått (mm)
37		1			52		6	609
38		1	M6*30		53		4	565
39		2			54		2	215
40		169	M6*10		55		24	1213
41		14	M5*18		2A		1	695
41A		2	M4*18		2B		1	355
42		12	M4*8		3A		1	695
43		20			3B		1	355
44A		2			4A		1	695
44B		2			4B		1	355
45A		1			5A		1	695
45B		1			5B		1	355
46		2			6A		1	1645
47		174	M5*8		7A		1	1645
48		170	M6		8A		1	1645
49		2	1884		8B		1	1650
49A		4	1538		9A		1	1645
49B		2			9B		1	1650
50		4	199		12A		1	540
51		8			56		72	
					57		50	

PC-PANELER

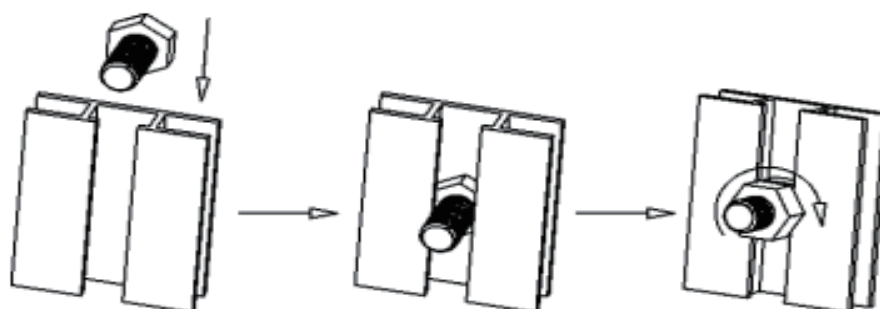
Art.nr.	Kvantitet	Bild	Mått (mm)	
1	11ST		590x1212	genomskinlig 1,2mm panel för väggarna
2	8ST		605 x 1130	4mm panel för taket
3A	1ST		590x1653	genomskinlig 1,2mm panel för väggarna
3B	1ST		590x1653	genomskinlig 1,2mm panel för väggarna
3C	1ST		590x1653	genomskinlig 1,2mm panel för väggarna
3D	1ST		590x1653	genomskinlig 1,2mm panel för väggarna
4	2ST		605 x 585	4mm panel för taket
5	2ST		595 x 550	4mm panel för taket
6	1ST		590x660	genomskinlig 1,2mm panel för väggarna
7	1ST		610x245	genomskinlig 1,2mm panel för väggarna
8	1ST		590x225	genomskinlig 1,2mm panel för väggarna
9	2ST		610x602	genomskinlig 1,2mm panel för väggarna



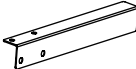
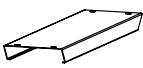
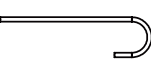
För att veta vilken sida som är UV-skyddad och så att sidorna inte blandas ihop under monteringen rekommenderar vi att du drar av skyddsfilmerna efter att panelen har satts på plats på växthusramen. Ett rekommenderat tillvägagångssätt är att dra av ca 5 cm av skyddsfilmerna från panelens alla kanter innan du monterar panelen på aluminiumramen (så att den inte hamnar under skruvarna och aluminiumlisterna). När panelen är monterad på ramen kan du dra av skyddsfilmerna helt och hållet.



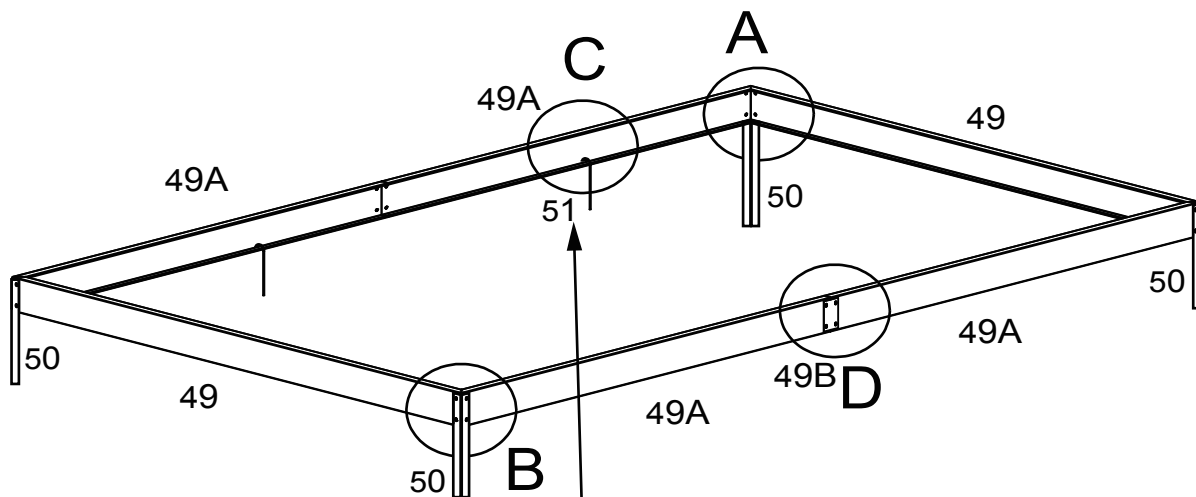
Så här för du in skruvarna i spåren i aluminiumskenorna



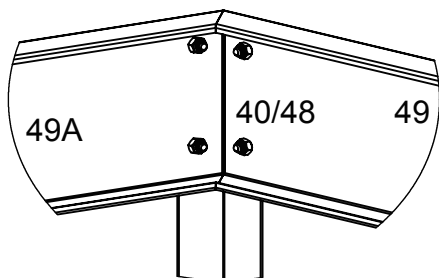
MONTERING AV GRUNDEN

Art.nr.	Kvantitet	Bild	Art.nr.	Kvantitet	Bild
40	24ST		49B	2ST	
48	24ST		50	4ST	
49	2ST		51	8ST	
49A	4ST				

Använd nummer 50 för att fästa nummer 49, använd sedan skruv nummer 40 för att fästa från utsidan, följt av nummer 48 för att dra åt och använd slutligen nummer 51 för att fästa på marken. Hela längden av del nummer 50 ska sättas ner i marken för att hålla växthusbasen på plats.

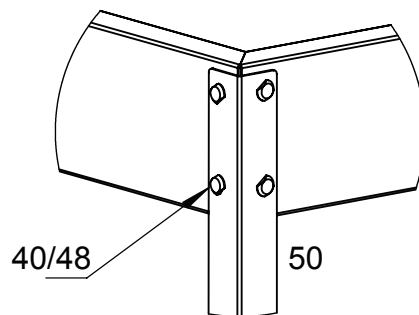


A



Teckning A är insidan och du ska vara uppmärksam på monteringsriktningen på nummer 40 och nummer 48

B



Teckning B är utsidan och du ska vara uppmärksam på monteringsriktningen på nummer 40

C



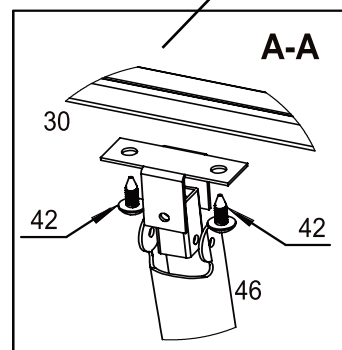
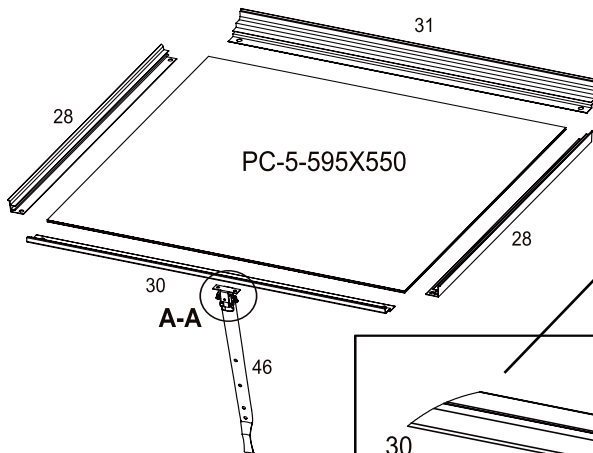
Teckning C är insidan och du ska vara uppmärksam på hur man monterar nummer 51

Instruktionsvideo om montering finns på produktsidan i K-Rauta.fi webbutik

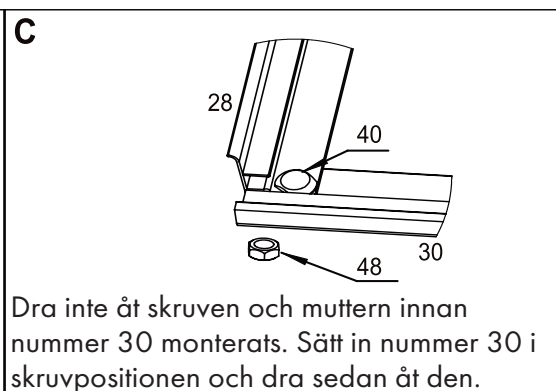
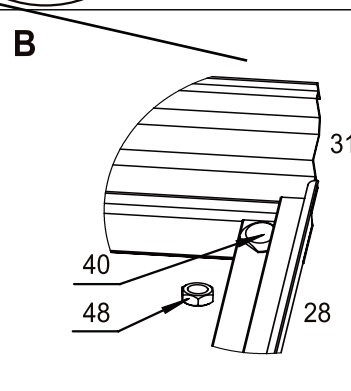
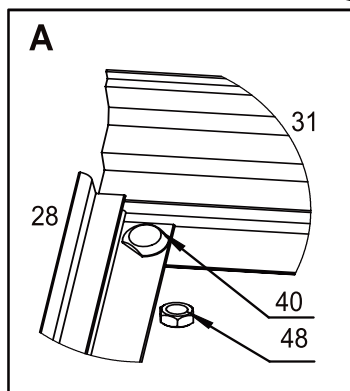
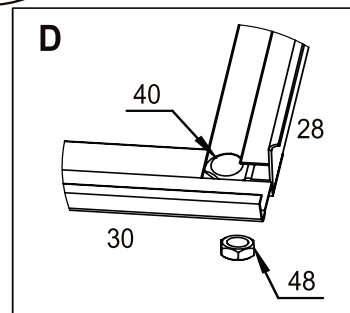
MONTERING AV TAKFÖNSTER

Art.nr.	Kvantitet	Bild	Mått (mm)
28	4ST		520
30	2ST		590
31	2ST		590
40	8ST		
42	4ST		
46	2ST		
48	8ST		
5	2ST		595 x 550

Lägg ut sprängskissen enligt nedanstående bild, sätt i skruvar nr40 uppifrån och ner, montera först ihop nummer 28 och 31, montera sedan ihop panelen nummer 5, nästa steg är att fästa nummer 30



Fäst fästet på det avsedda skruvhålet

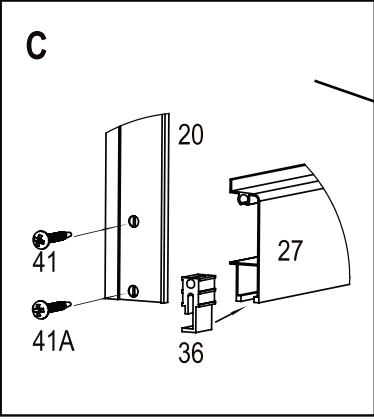
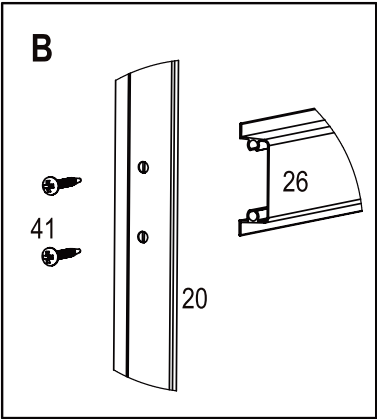
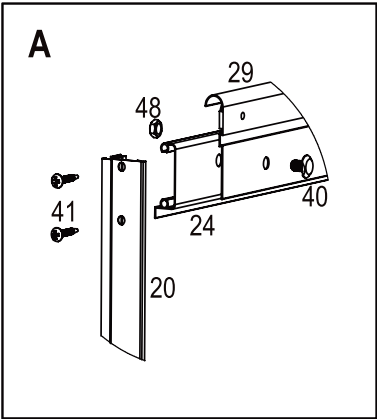
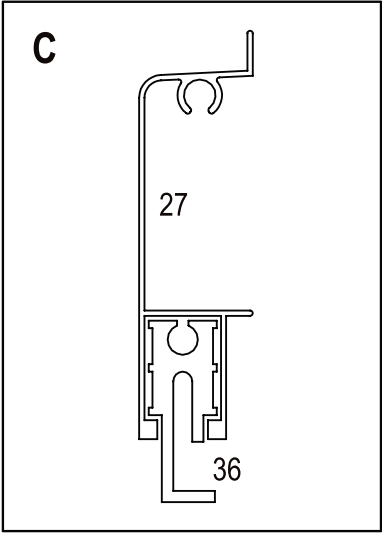
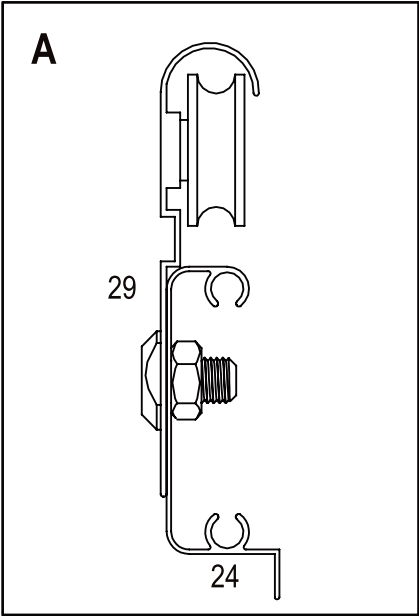
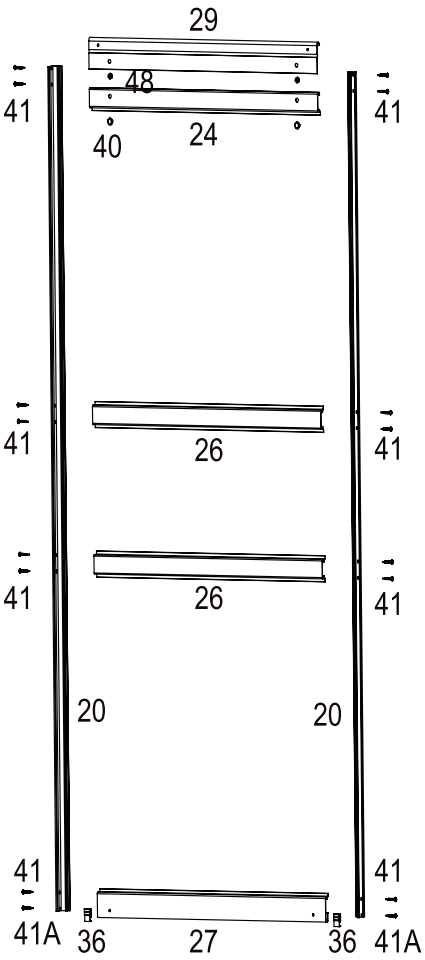
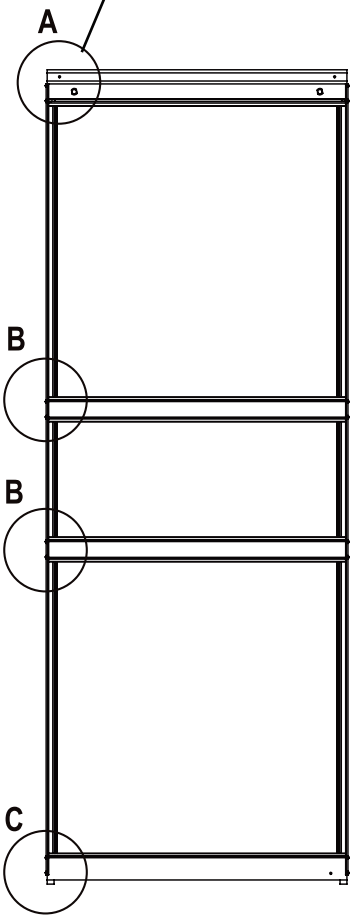
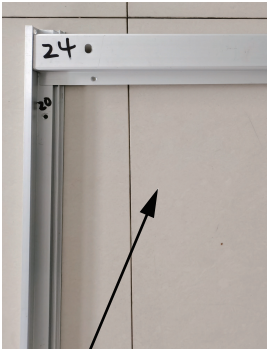


Dra inte åt skruven och muttern innan nummer 30 monterats. Sätt in nummer 30 i skruvpositionen och dra sedan åt den.

Sidan med vit skyddsfilm med UV-skydd ska vara vänd utåt mot solen.
Sida med vit skyddsfilm utan UV-skydd mot insidan av växthuset.

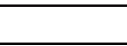
MONTERA RAMEN FÖR SKJUTDÖRREN

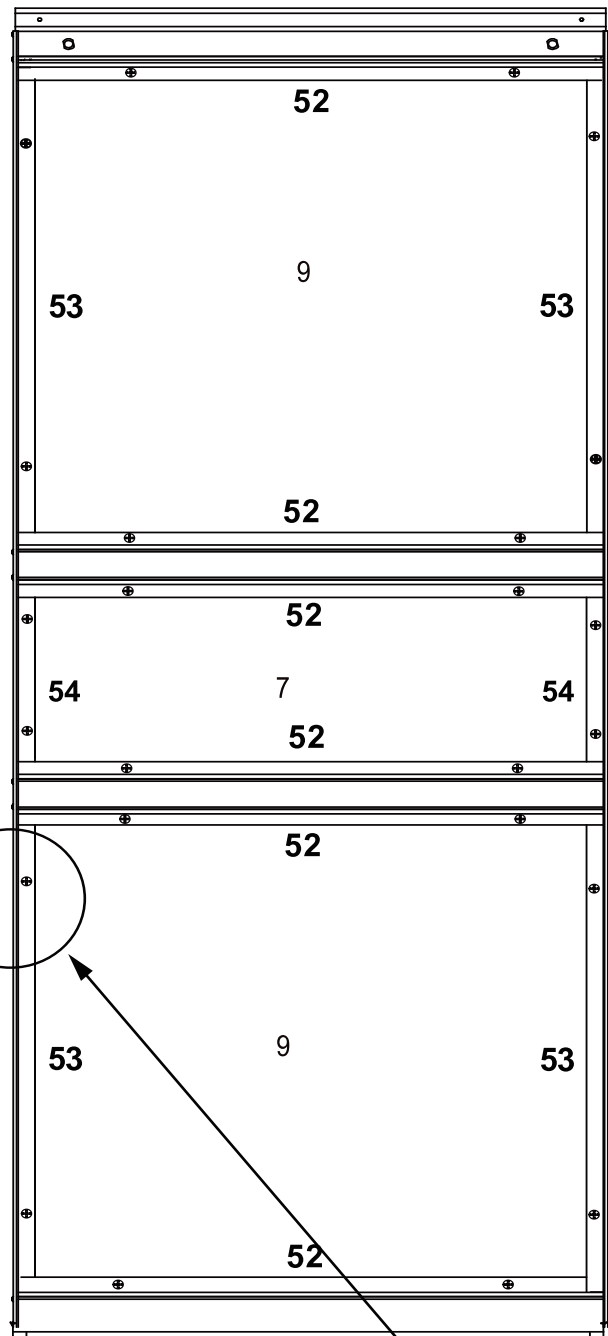
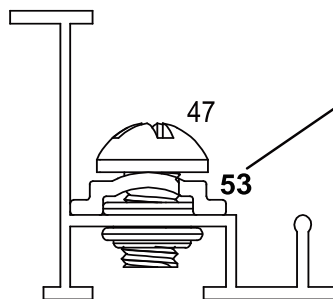
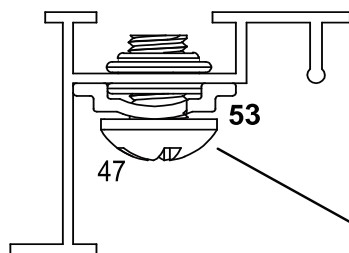
Art.nr.	Kvantitet	Bild	Mått (mm)
20	2ST		1608
24	1ST		610
26	2ST		610
27	1ST		610
29	1ST		605
36	2ST		
40	2ST		
41	14ST		
41A	2ST		
48	2ST		



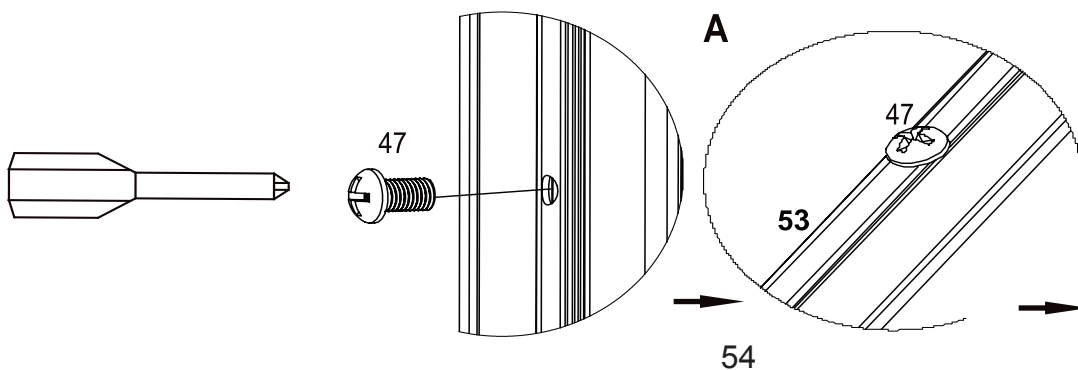
Sidan med vit skyddsfilm med UV-skydd ska vara vänd utåt mot solen. Vit skyddsfilm utan UV-skydd ska vara vänd inåt. För att veta vilken sida som är UV-skyddad och så att sidorna inte blandas ihop under monteringen rekommenderar vi att du drar av skyddsfilmerna efter att panelen har satts på plats på växthusramen.

MONTERA PANELEN FÖR SKJUTDÖRREN

Art.nr.	Kvantitet	Bild
47	24ST	
52	6ST	
53	4ST	
54	2ST	
7	1ST	
9	2ST	

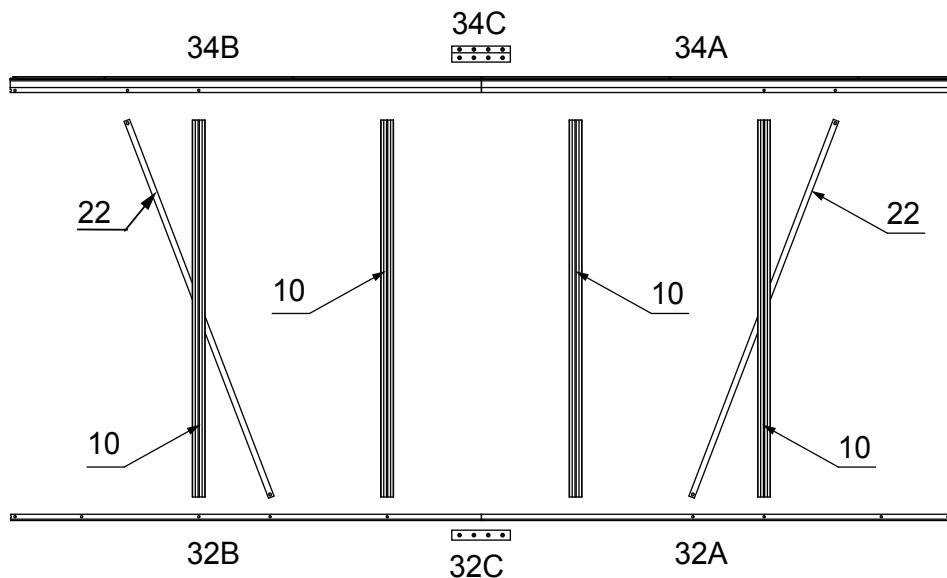


Använd ett verktyg för att dra åt skruven nummer 47



MONTERA VÄGGEN TILL VÄNSTER (SETT FRÅN DÖRREN)

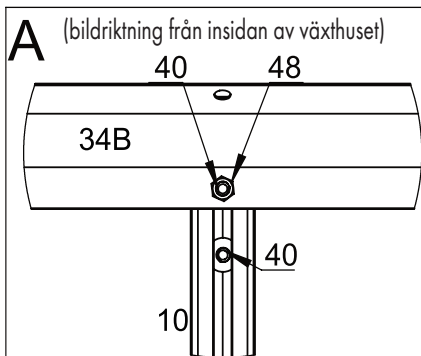
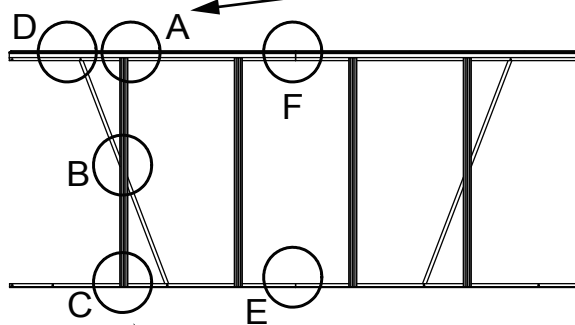
Art.nr.	Kvantitet	Bild	Mått (mm)
10	4ST		1215
22	2ST		1304
32A	1ST		1508
32B	1ST		1508
32C	1ST		170
34A	1ST		1508
34B	1ST		1508
34C	1ST		170
40	26ST		
48	26ST		



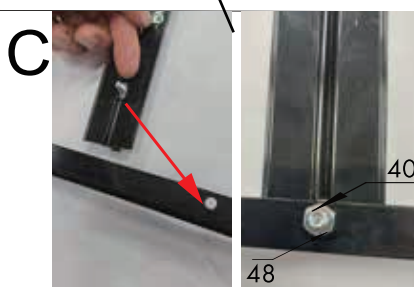
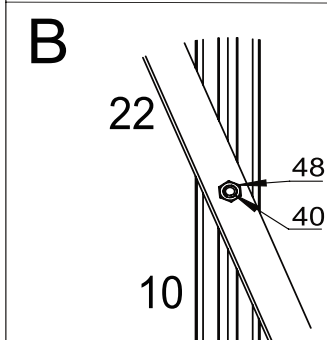
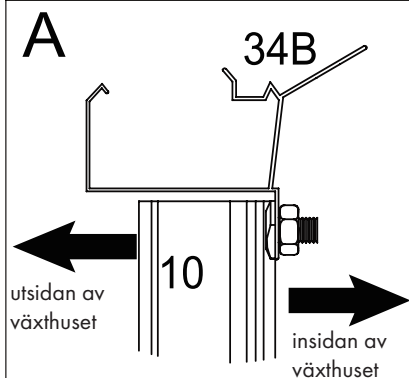
Fäst skruvmuttern först men dra inte åt den på nummer 32 och 34, sätt i skruven nummer 10 som är fäst på 32 och 34, och dra sedan åt den beroende på bulten nummer 10 enligt bild A

Dra åt skruvarna först innan du fäster nummer 32 och 34

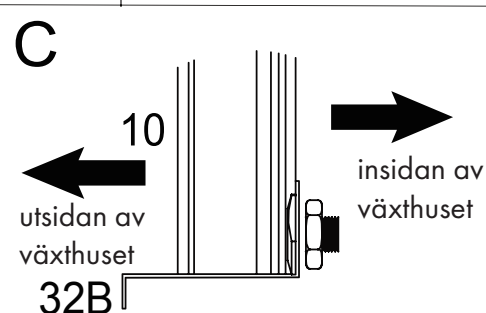
Sidoväggen sedd från insidan



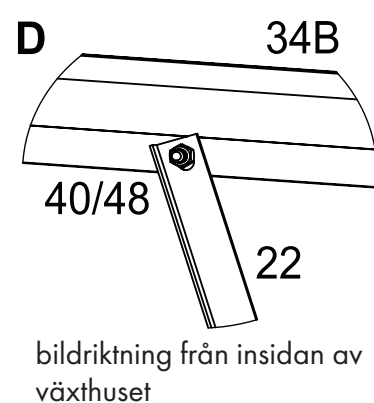
En skruv sätts i spåret innan den övre skenan fästs för att fästa del nummer 22.



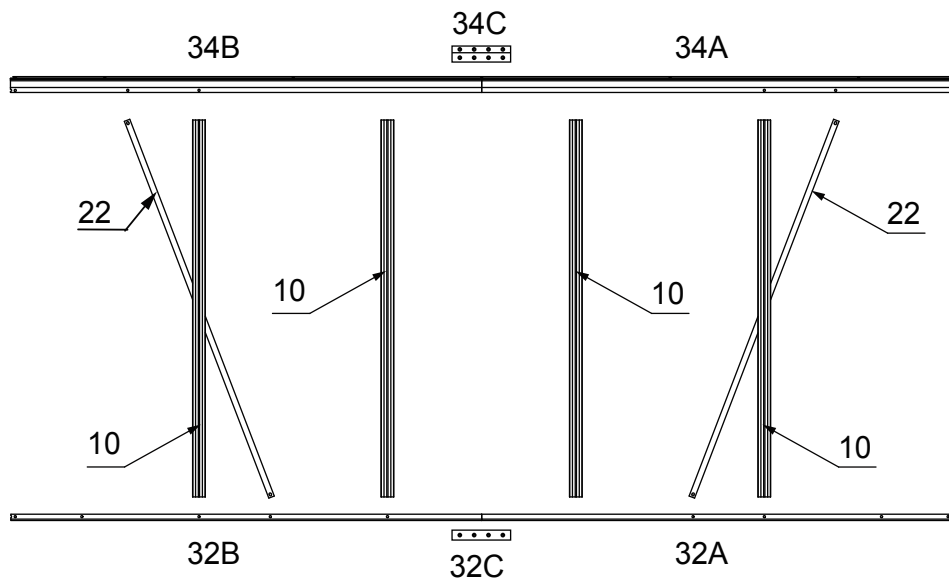
C-bild: fästdel 10 till del 32A



Var uppmärksam på hur skruven sätts i.



MONTERA VÄGGEN TILL HÖGER (SETT FRÅN DÖRREN)



Montera ramen för sidoväggarna

Art.nr.	Kvantitet	Bild	Mått (mm)
10	4ST		1215
22	2ST		1304
32A	1ST		1508
32B	1ST		1508
32C	1ST		170
34A	1ST		1508
34B	1ST		1508
34C	1ST		170
40	26ST		
48	26ST		

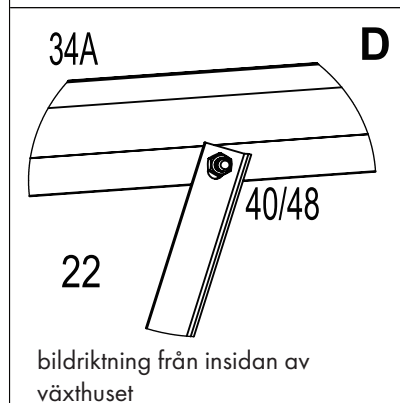
Fäst skruvmuttern först men dra inte åt den på nummer 32 och 34, sätt i skruven nummer 10 som är fäst på 32 och 34, och dra sedan åt den beroende på bulten nummer 10 enligt bild A

Dra åt skruvarna först innan du fäster nummer 32 och 34

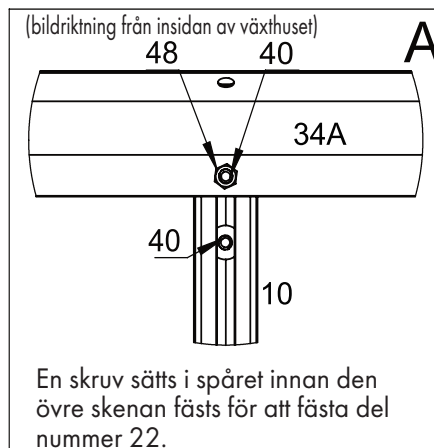
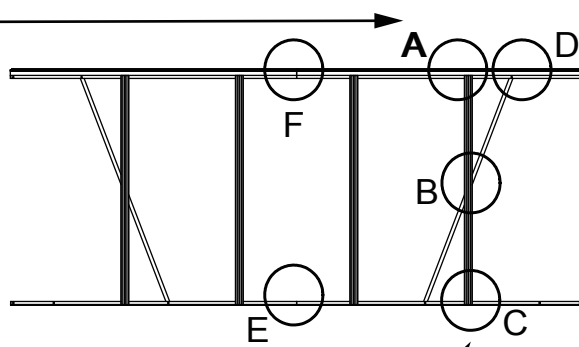
Sidoväggen sedd från insidan



A

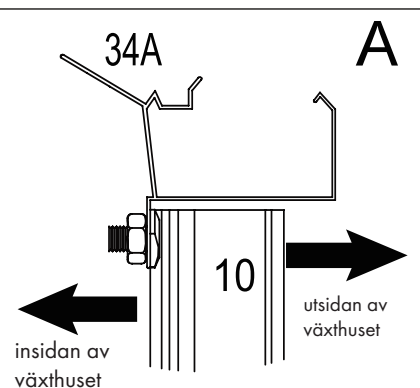


D

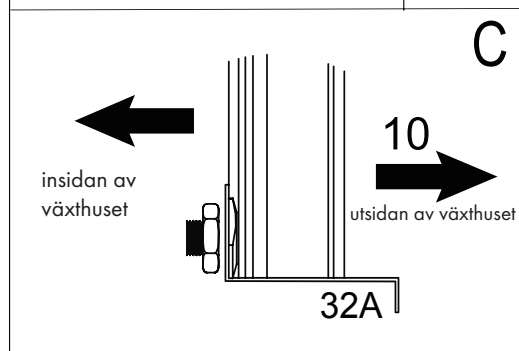


A

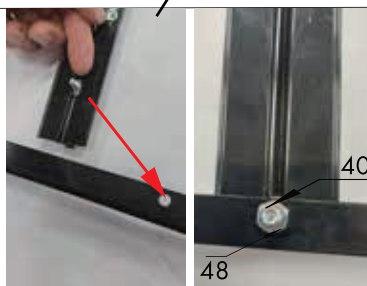
En skruv sätts i spåret innan den övre skenan fästs för att fästa del nummer 22.



A

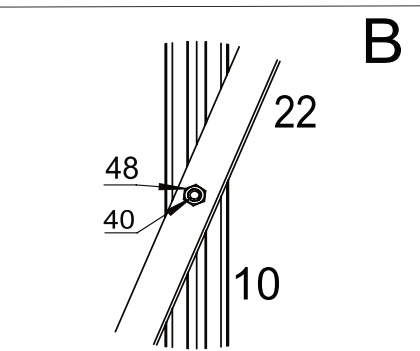


C



C

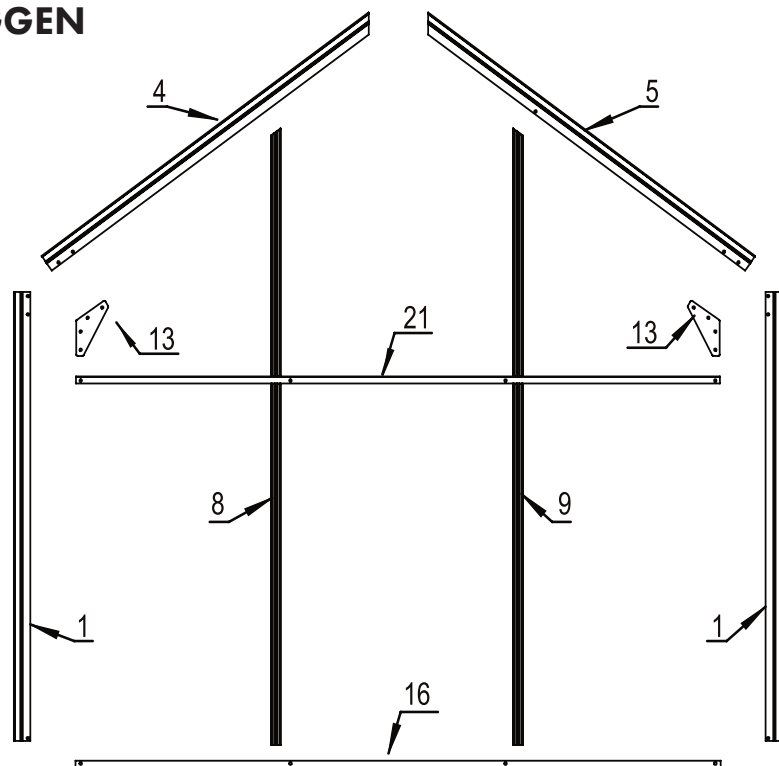
C-bild: fästdel 10 till del 32B



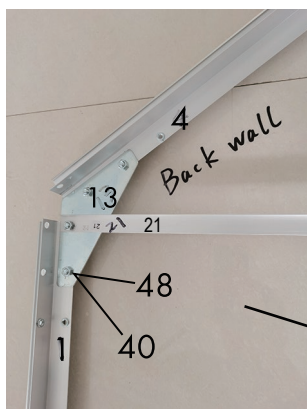
B

MONTERA RAMEN FÖR BAKVÄGGEN

Art.nr.	Kvantitet	Bild	Mått (mm)
1	2ST		1215
4	1ST		1134
5	1ST		1134
8	1ST		1670
9	1ST		1670
13	2ST		
16	1ST		1822
21	1ST		1814
40	16ST		
48	16ST		



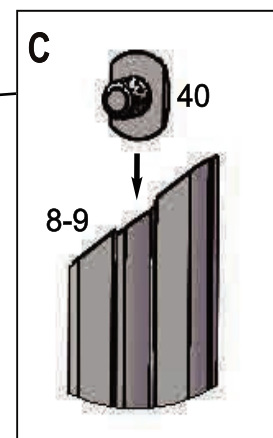
A



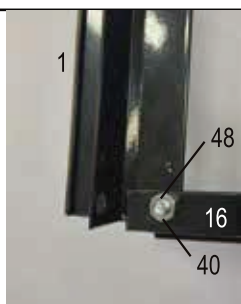
Skruvarna säkras från insidan med muttrar

Bakväggen sedd från insidan

Sätt i en skruv i förväg



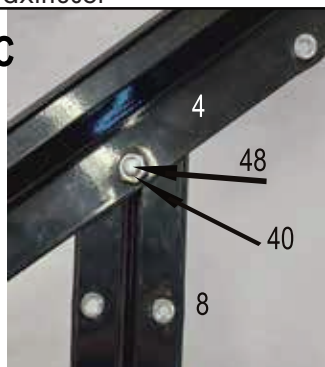
B



bildriktning från insidan av växthuset

Dra åt skruvarna och muttrarna för del C och E

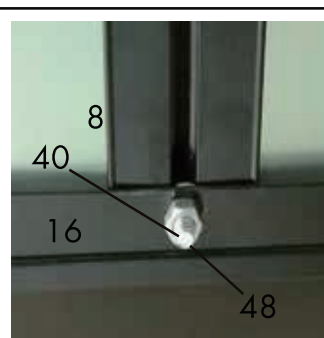
C



D



E

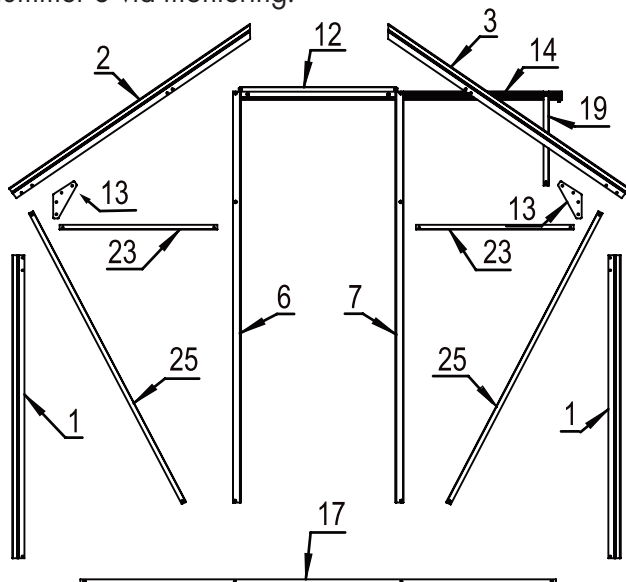


Använd skruven som satts in i förväg till fäste nummer 21

MONTERA RAMEN FÖR FRAMVÄGGEN

Var uppmärksam på riktningarna för nummer 2 och nummer 3 vid montering.

Art.nr.	Kvantitet	Bild	Mått (mm)
1	2ST		1215
2	1ST		1134
3	1ST		1134
6	1ST		1647
7	1ST		1647
12	1ST		610
13	2ST		
14	1ST		1260
17	1ST		1822
19	1ST		380
23	2ST		594
25	2ST		1304
37	1ST		
38	1ST		
40	21ST		
48	22ST		

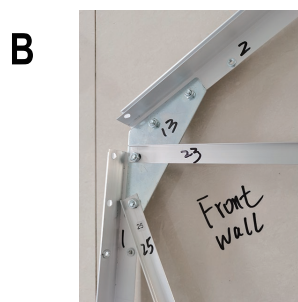


Fäst först nummer 19 med skruvarna på ovansidan, följ sedan bild D och använd nummer 37 och 38 för att fästa nummer 19 helt och hållet.

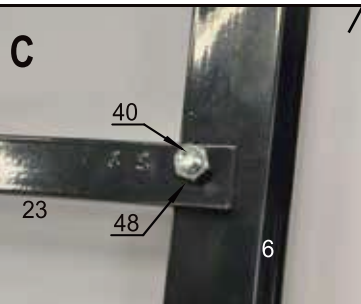
(kuvan suunta takaa ulko-ovesta)



(bildriktning från insidan av växthuset)

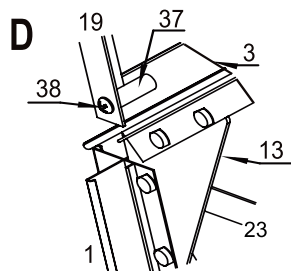
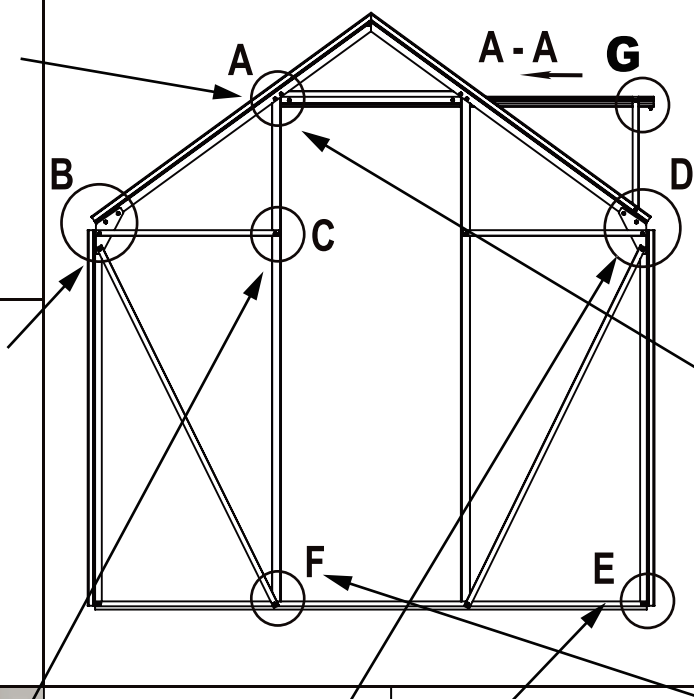


(bildriktning från insidan av växthuset)

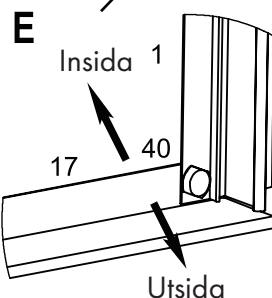


(bildriktning från insidan av växthuset)

framväggen sett från insidan av växthuset



(bildriktning från utsidan av växthuset)

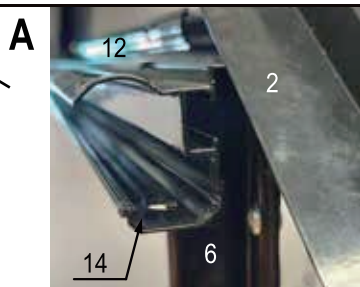


(bildriktning från utsidan av växthuset)

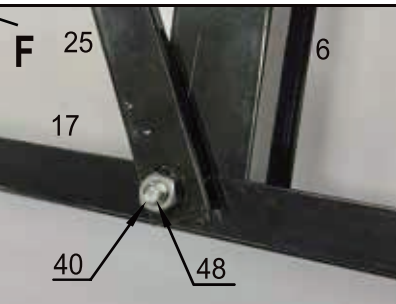
A - A



del 14 glider till del 12
(bildriktning från utsidan av växthuset)



(bildriktning från utsidan av växthuset)
Bild efter installation 14



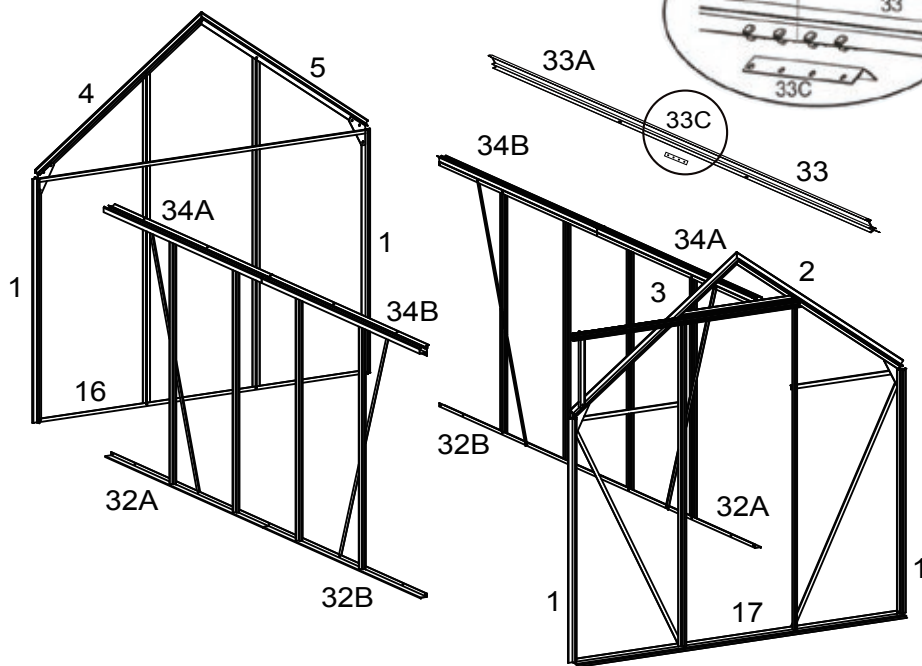
(bildriktning från insidan av växthuset)

MONTERA RAMEN FÖR VÄGGARNA



Fäst väggarna med varandra
Det rekommenderas att 2 personer monterar
väggarna

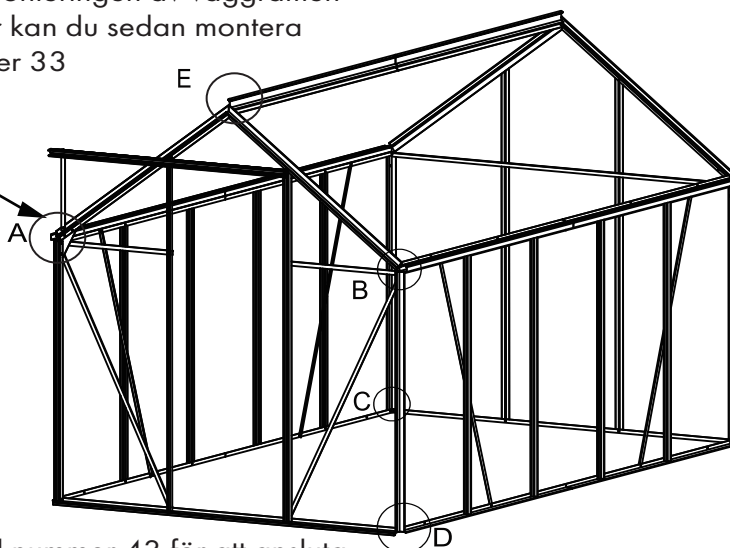
Art.nr.	Kvantitet	Bild	Mått (mm)
33	1ST		1506
33A	1ST		1506
33C	1ST		170
40	24ST		
48	24ST		



Var uppmärksam på layouten av
aluminiumprofilen nedan och använd
skruvar för att fästa från utsidan.

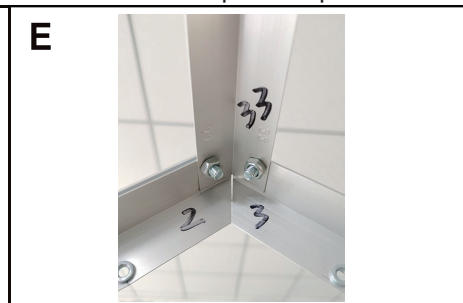
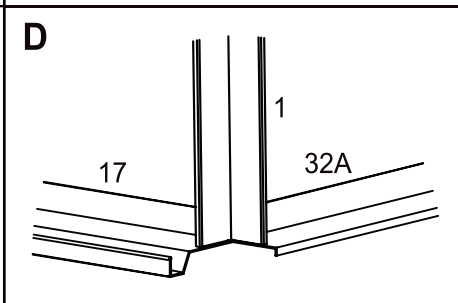
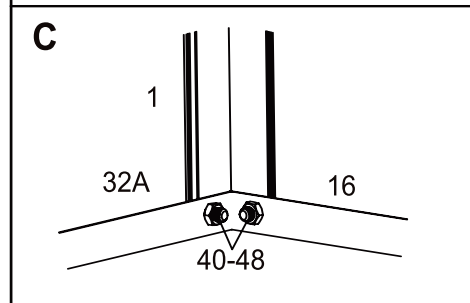


När monteringen av väggramen
är klar kan du sedan montera
nummer 33



Använd nummer 43 för att ansluta
växthuset till grunden

Se punkt E på näst sida

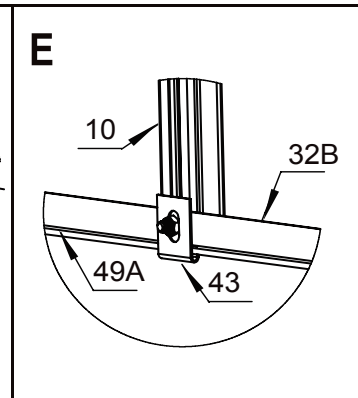
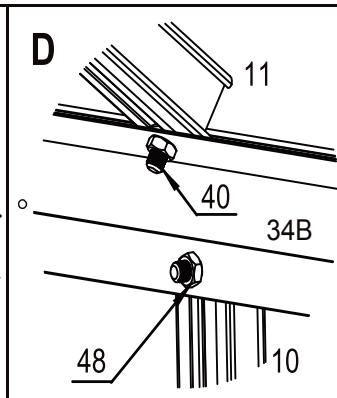
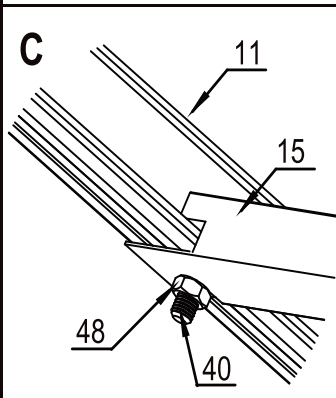
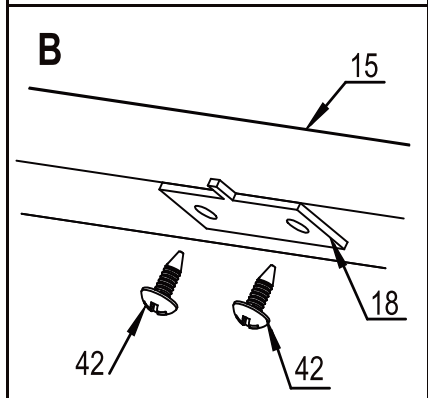
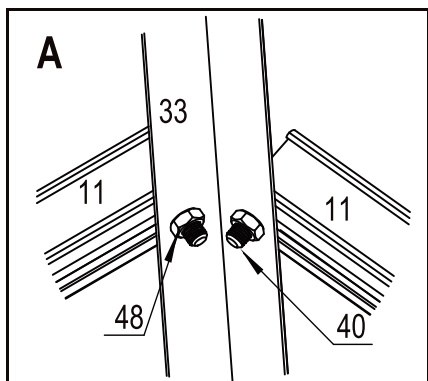
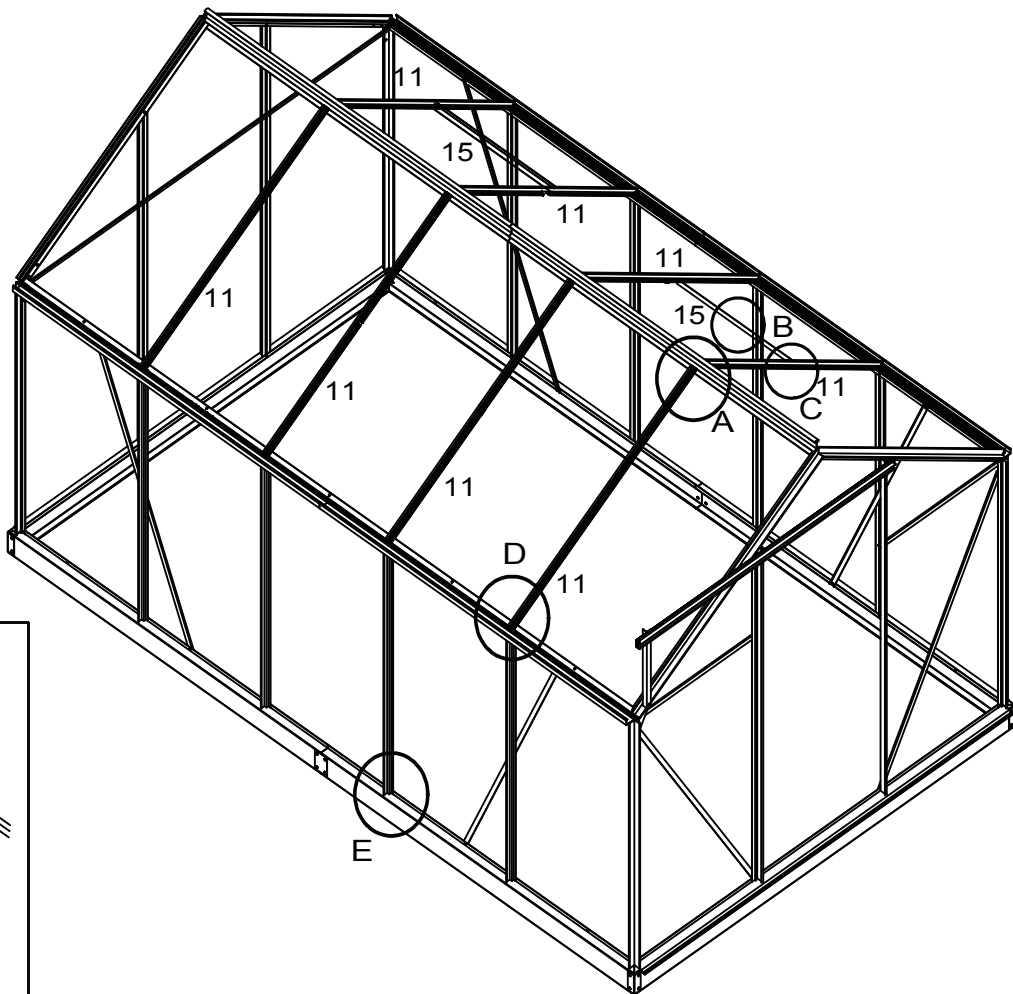


Växthuset stabilitet får sin slutliga styrka när du har dragit åt alla skruvar i aluminiumramarna
och monterat panelerna. Slutlig åtdragning kan göras i slutet när alla delar sitter på plats.

MONTERA TAKRAMEN

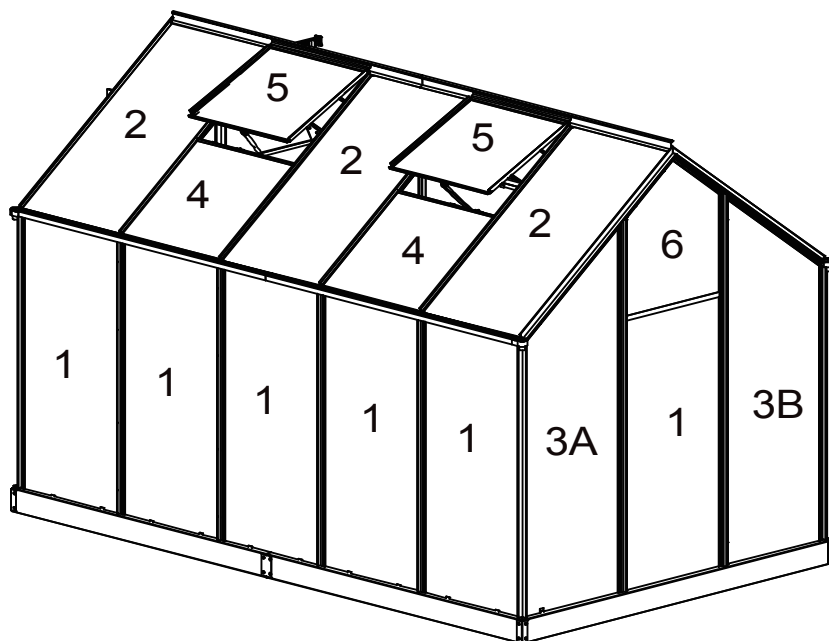


Art.nr.	Kvantitet	Bild	Mått (mm)
11	8ST		1114
15	2ST		634
18	4ST		
40	20ST		
42	8ST		
43	20ST		
48	20ST		



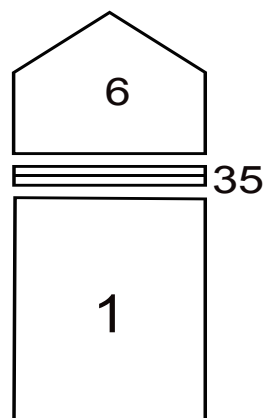
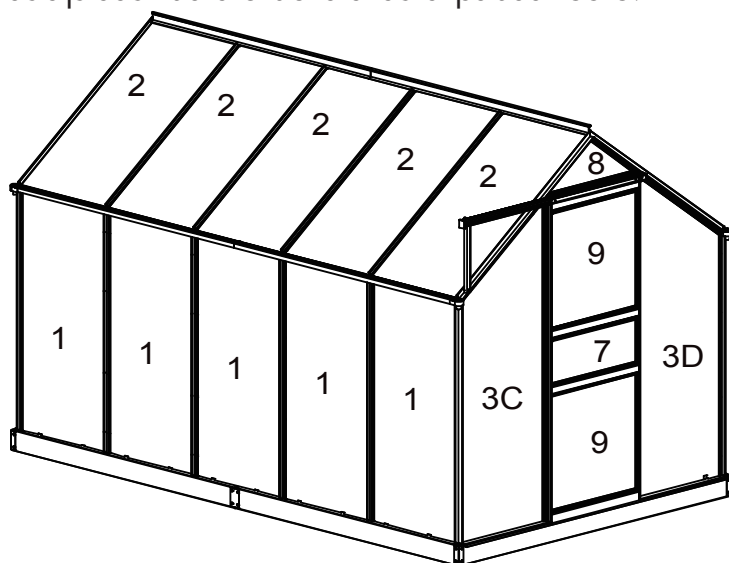
FÄSTA PANEELEN

Art.nr.	Kvantitet	Bild	Mått (mm)
1	11ST		590x1212
2	8ST		605 x 1130
3A	1ST		590x1667
3B	1ST		590x1667
3C	1ST		590x1667
3D	1ST		590x1667
4	2ST		605 x 585
5	2ST		595 x 550
6	1ST		590x675
7	1ST		605 x 252
8	1ST		615 x 241
9	2ST		605 x 602
35	1ST		563



Numret på plattan anger plattans position.

Det detaljerade installationsförfarandet är på sidan 63-67



Ta bort skyddsfilmerna från polykarbonatpanelerna för väggar och tak innan du monterar dem på plats. Färgen på skyddsfilmerna anger vilken sida av panelen som är UV-skyddad (installation mot solen). Se nedan!

Väggpaneler 1,2 mm



Väggpanelernas vit skyddsfilm på 1,2 mm visar den UV-skyddade sidan av panelen.



Väggpanelernas genomskinliga skyddsfilm på 1,2 mm visar den UV-oskyddade sidan av panelen.

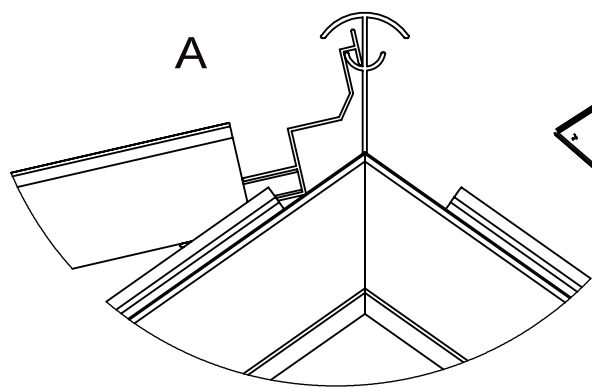
Väggpaneler 4,0 mm



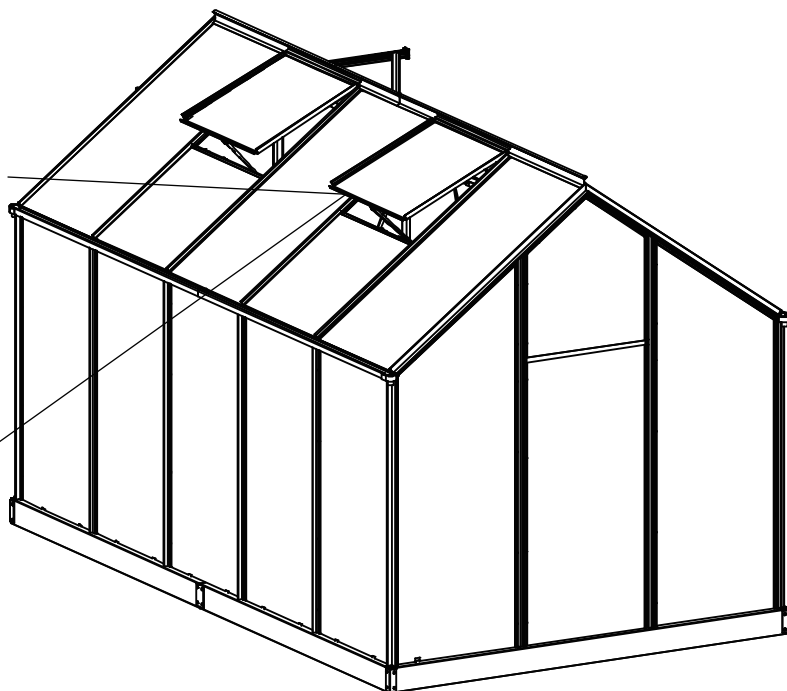
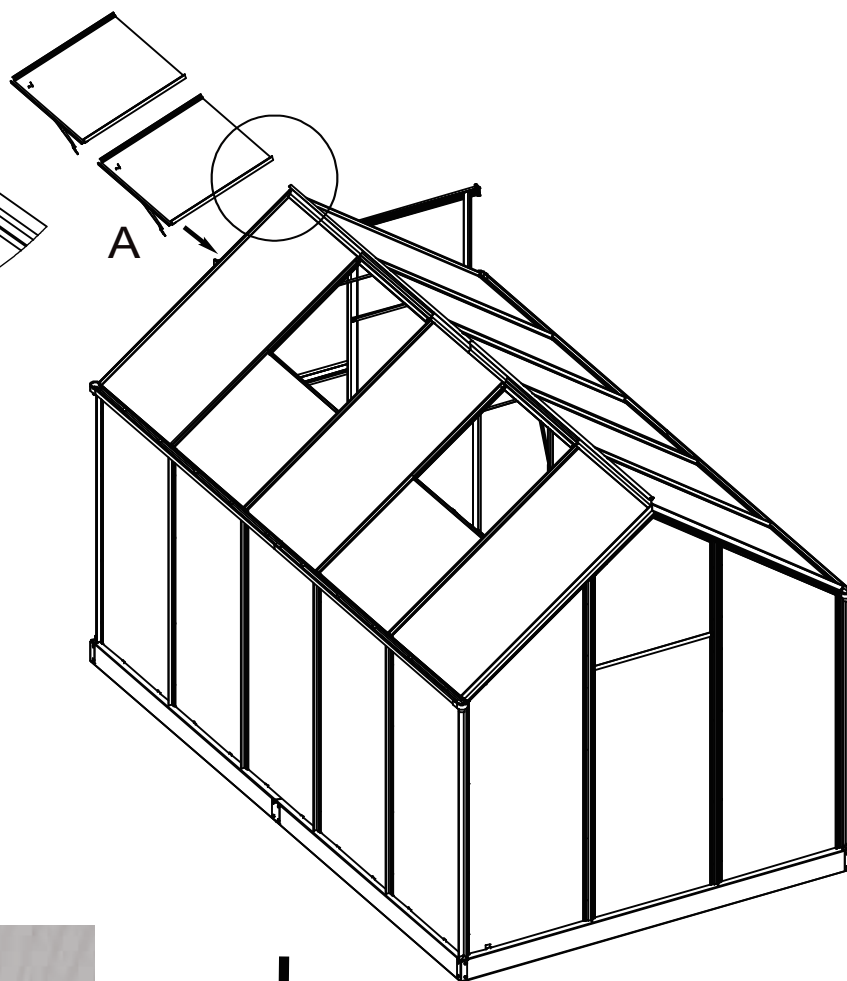
Takpanelernas vita skyddsfilm på 4,0 mm visar den UV-skyddade sidan av panelen.



Takpanelernas genomskinliga skyddsfilm på 4,0 mm visar den UV-oskyddade sidan av panelen.

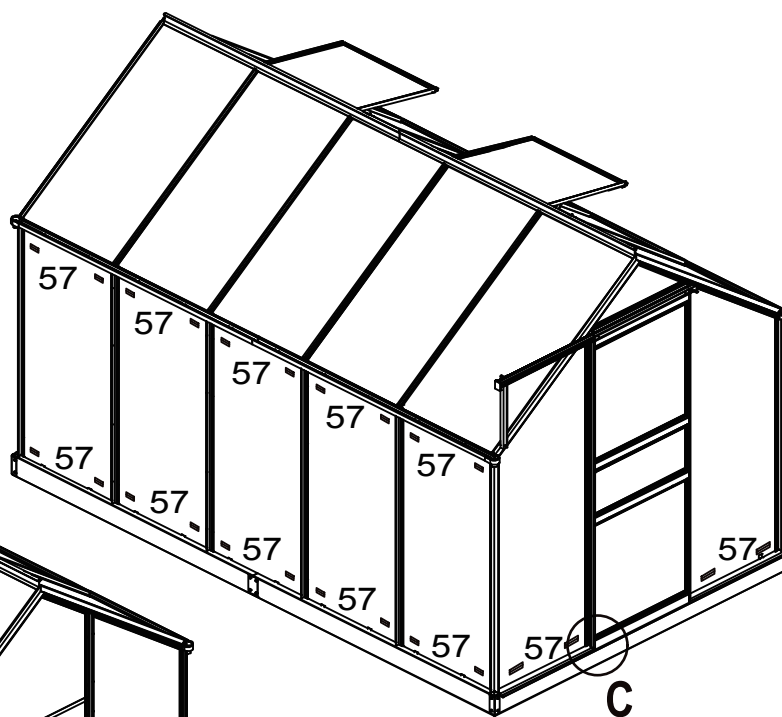
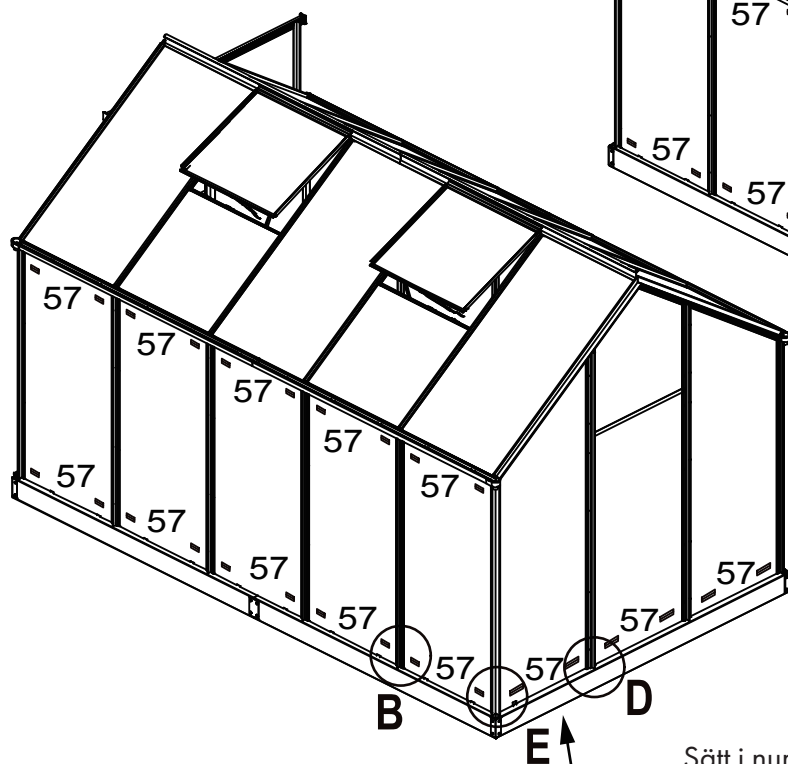


skjut in i takfönstret

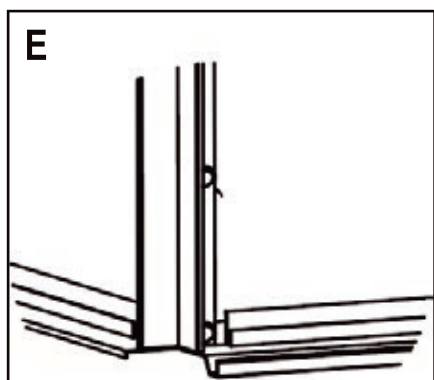
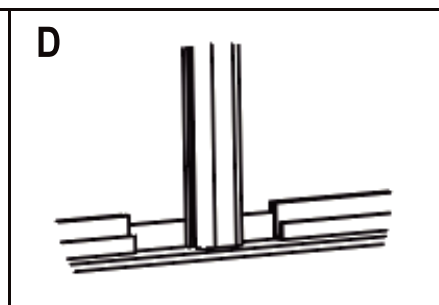
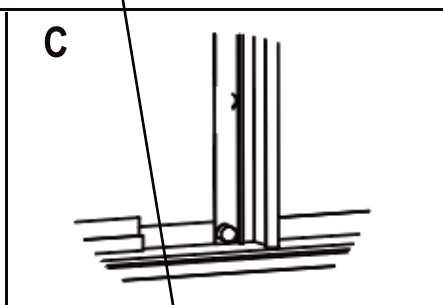
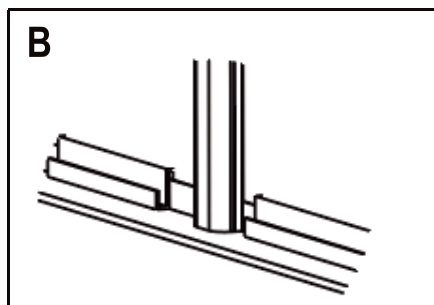


FÄSTA PANEL

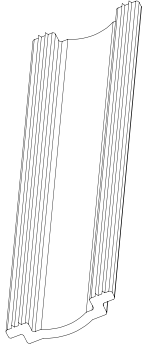
Art.nr.	Kvantitet	Bild
57	50ST	



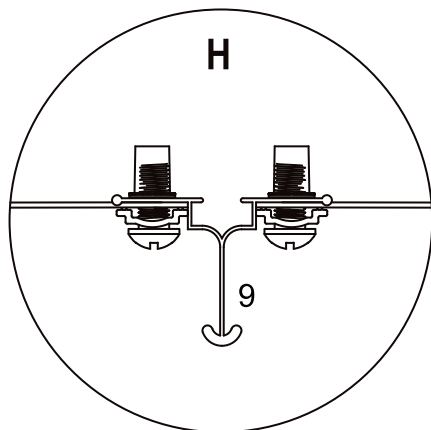
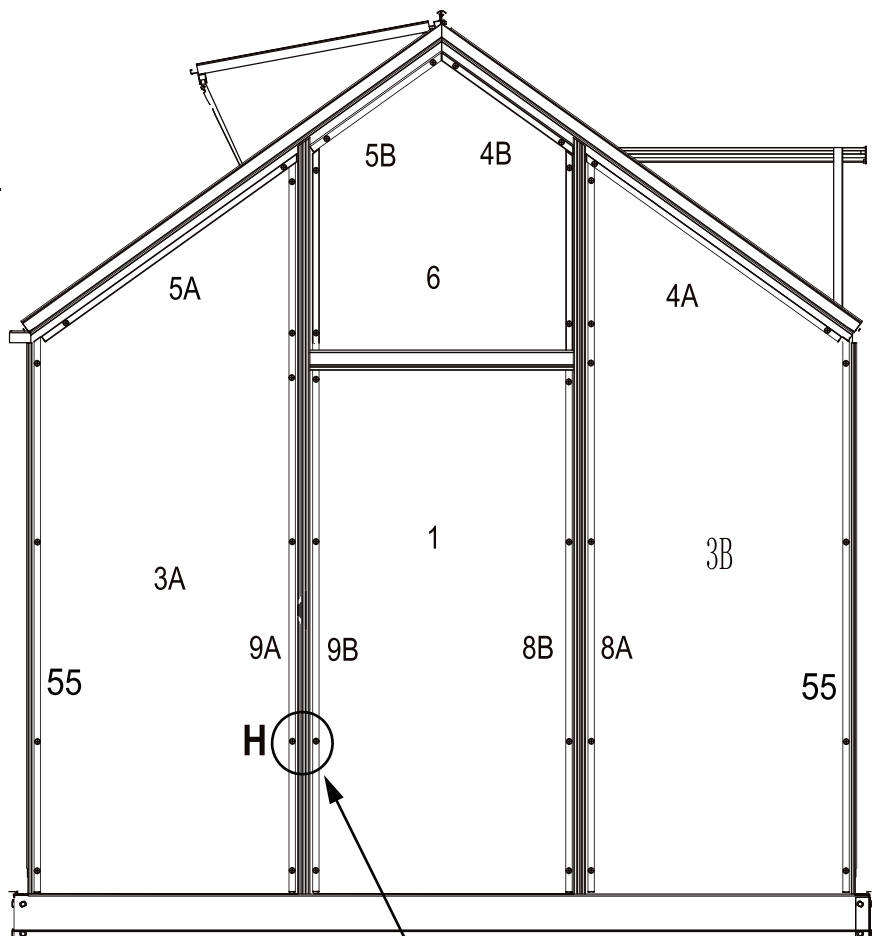
Sätt i nummer 57 i aluminiumprofilen precis som bilden visar för att montera panelen



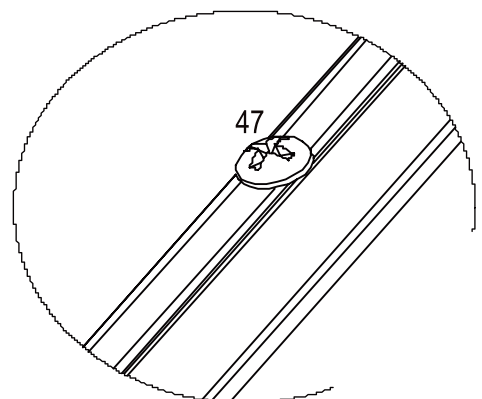
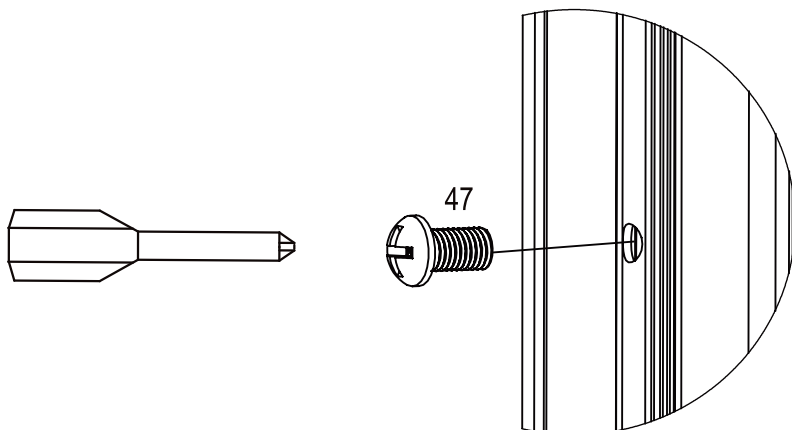
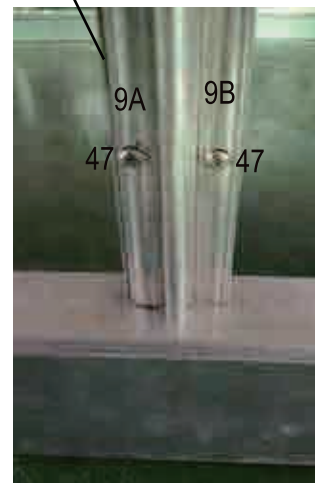
MONTERING AV PANELEN FÖR BAKVÄGGEN

Art.nr.	Kvantitet	Bild	Mått (mm)
55	2ST		1213
4A	1ST		695
4B	1ST		355
5A	1ST		695
5B	1ST		355
8A	1ST		1645
8B	1ST		1645
9A	1ST		1645
9B	1ST		1645
47	40ST		M5*10
1	1ST		
6	1ST		
3A	1ST		
3B	1ST		

Sidan med vit skyddsfilm med UV-skydd vänd utåt mot solen. Vit skyddsfilm utan UV-skydd ska vara vänd inåt.

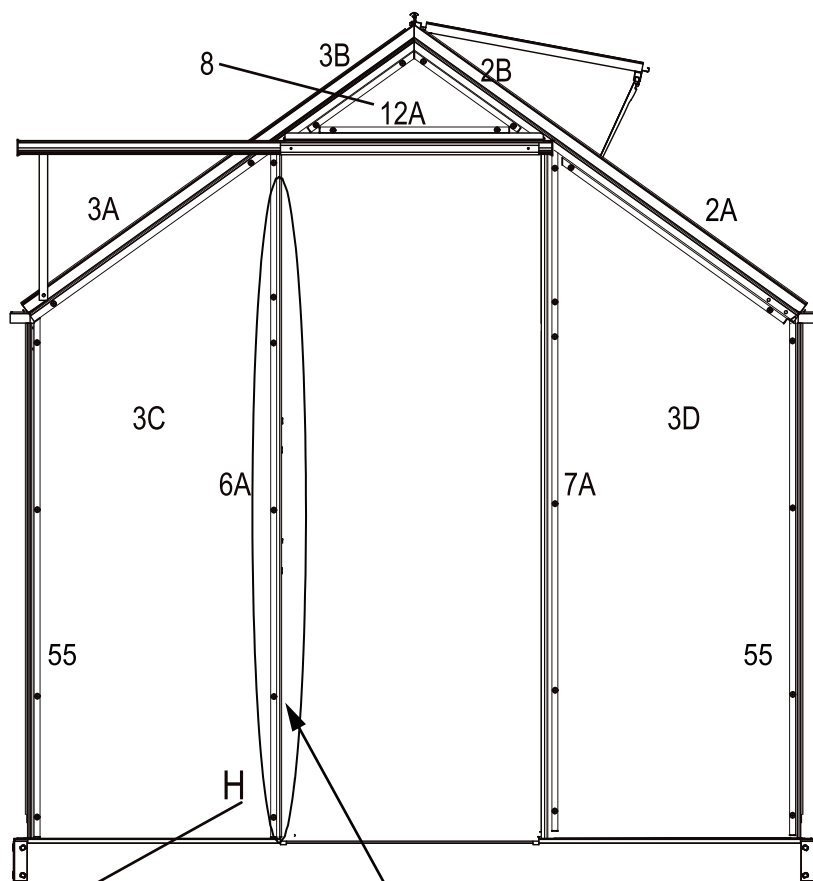


Använd skruvmejsel för att dra åt skruv med nr 47



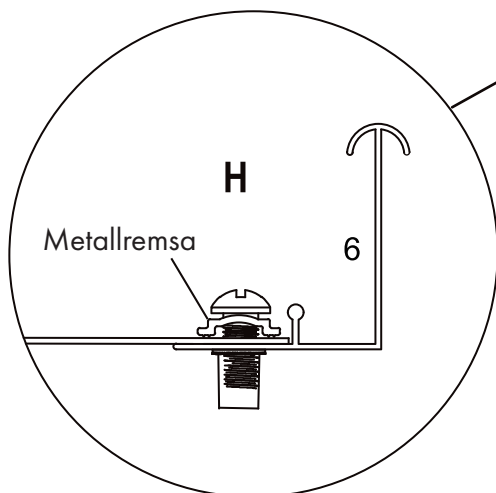
MONTERING AV PANELEN FÖR FRAMVÄGGEN

Art.nr.	Kvantitet	Bild	Mått (mm)
55	2ST		1213
2A	1ST		695
2B	1ST		355
3A	1ST		695
3B	1ST		355
6A	1ST		1645
7A	1ST		1645
12A	1ST		540
47	30ST		M5*10
8	1ST		
3C	1ST		
3D	1ST		

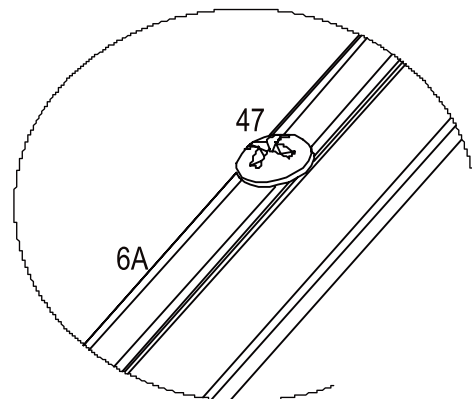
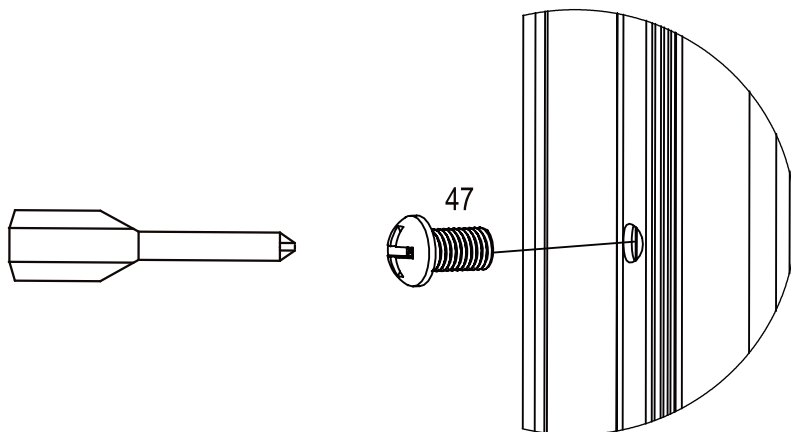


Sidan med vit skyddsfilm med UV-skydd ska vara vänd utåt mot solen. Sidan med vit skyddsfilm utan UV-skydd ska vara vänd inåt.

Om väggpanelhål och ramhål inte är matchade, kan du förlora skruven lite för att justera

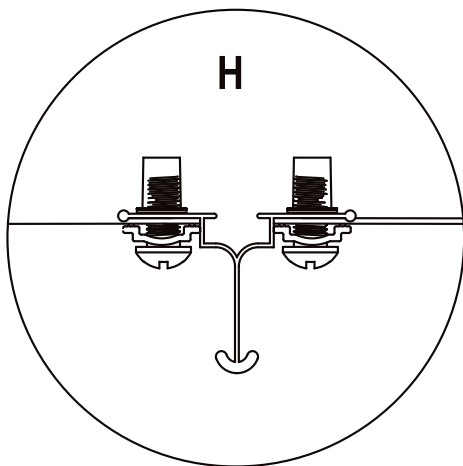
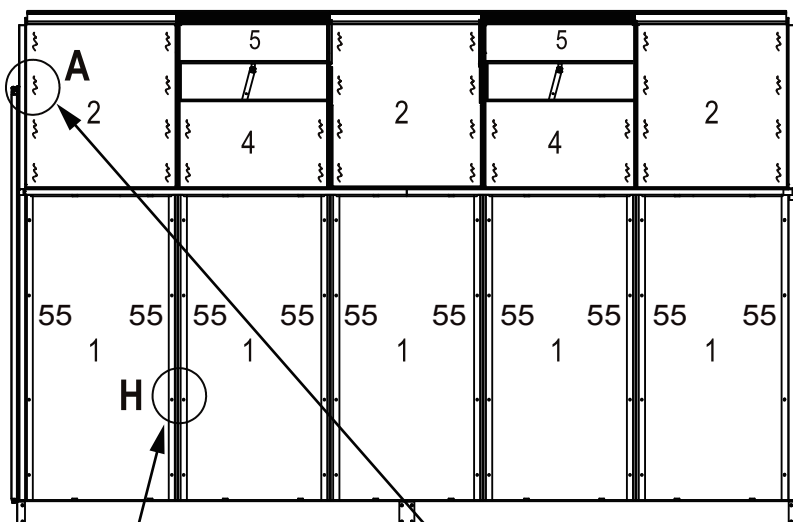


Använd skruvmejsel för att dra åt skruv med nr 47.



MONTERING AV VÄGGPANEL PÅ VÄNSTER SIDA OCH TAKPANEL

Art.nr.	Kvantitet	Bild	Mått (mm)
55	10ST		1213
56	32ST		
47	40ST		M5 * 10
1	5ST		
2	3ST		
4	2ST		
5	2ST		



Använd skruvmejsel för att dra åt skruv med nr 47.



bild på fastsättning av genomskinlig takpanel

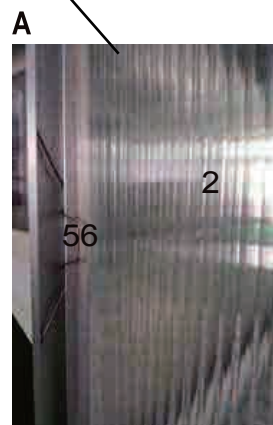
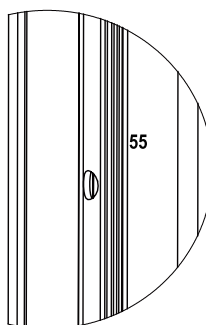
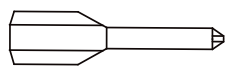
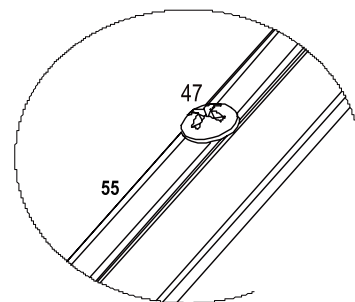


bild på fastsättning av 4 mm takpanel



Väggpaneler 4,0 mm



Väggpaneler 1,2 mm



Väggpanelernas vit skyddsfilm på 1,2 mm visar den UV-skyddade sidan av panelen.



Väggpanelernas genomskinliga skyddsfilm på 1,2 mm visar den UV-oskyddade sidan av panelen.

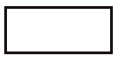
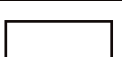


Takpanelernas vita skyddsfilm på 4,0 mm visar den UV-skyddade sidan av panelen.



Takpanelernas genomskinliga skyddsfilm på 4,0 mm visar den UV-oskyddade sidan av panelen.

MONTERING AV VÄGGPANEL PÅ HÖGER SIDA OCH TAKPANEL

Art.nr.	Kvantitet	Bild	Mått (mm)
55	10ST		1213
56	40ST		
47	40ST		M5 * 10
1	5ST		
2	5ST		

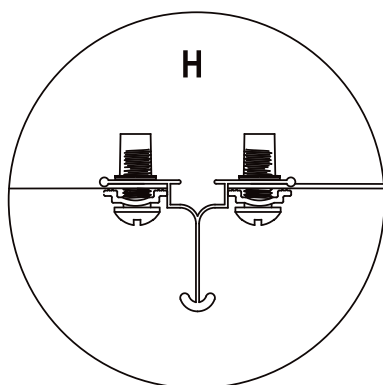
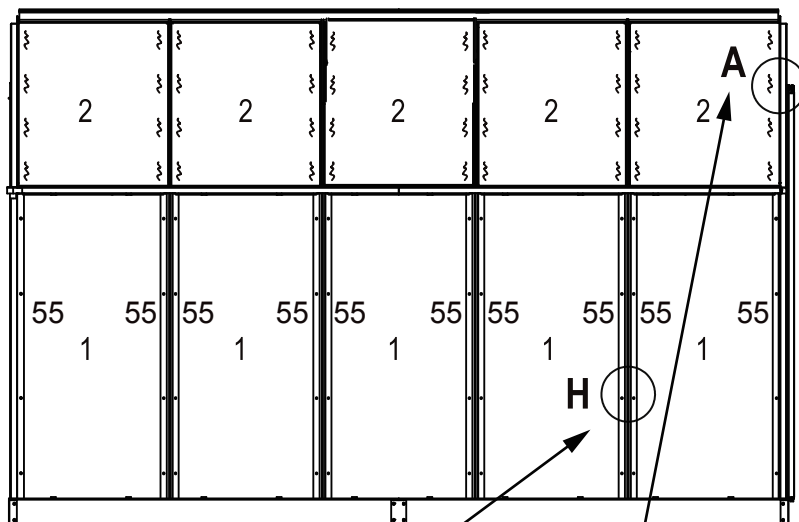


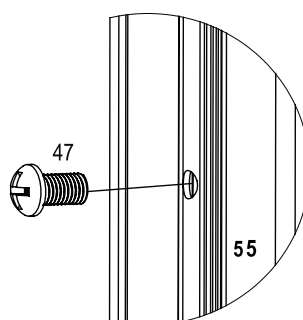
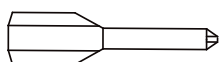
bild på fastsättning av genomskinlig takpanel

bild på fastsättning av 4 mm takpanel

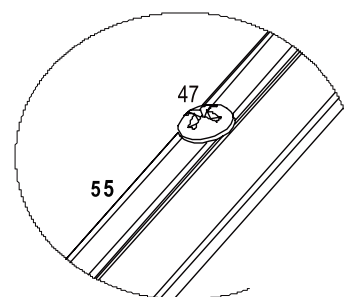


Använd klämma nummer 56 för att fästa takpanelen

Använd skruvmejsel för att dra åt skruv med nr 47.



Väggpaneler 4,0 mm



Väggpaneler 1,2 mm



Väggpanelernas vit skyddsfilm på 1,2 mm visar den UV-skyddade sidan av panelen.



Väggpanelernas genomskinliga skyddsfilm på 1,2 mm visar den UV-oskyddade sidan av panelen.



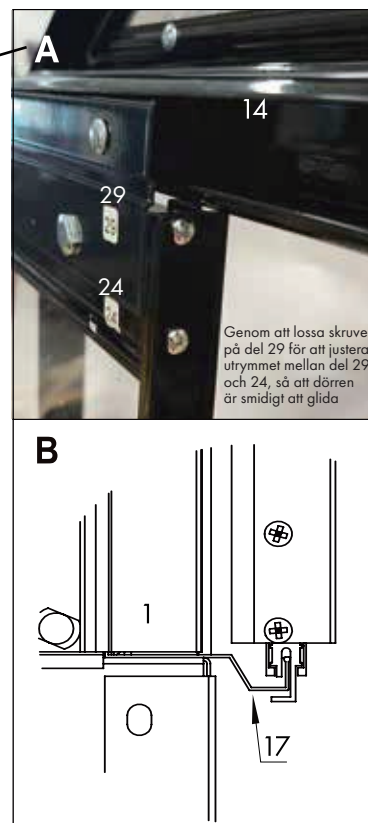
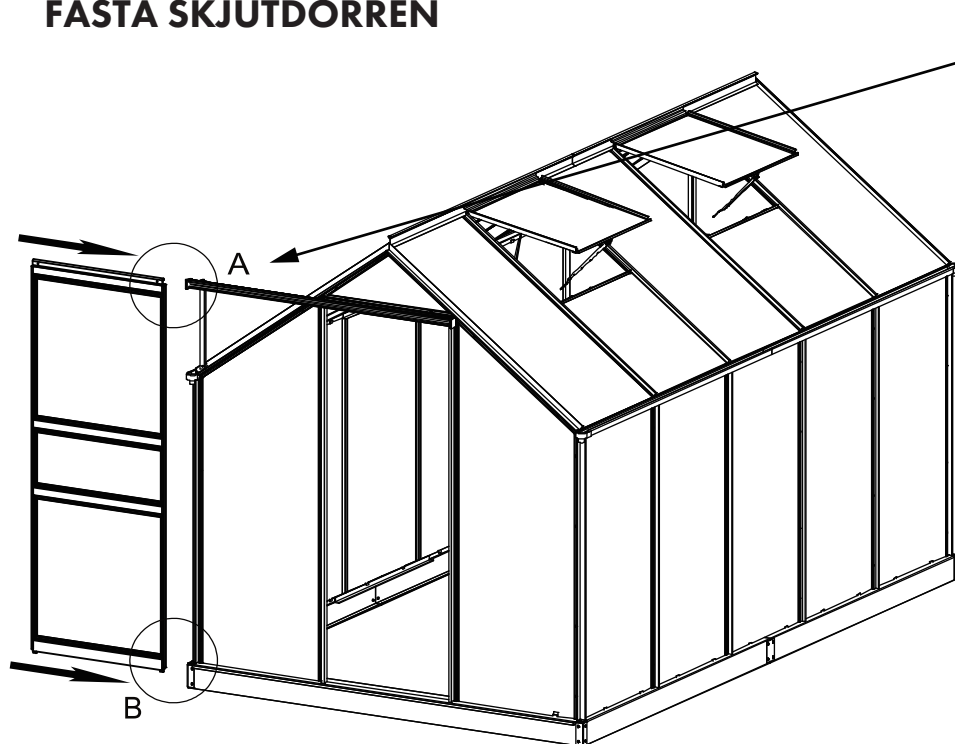
Takpanelernas vita skyddsfilm på 4,0 mm visar den UV-skyddade sidan av panelen.



Takpanelernas genomskinliga skyddsfilm på 4,0 mm visar den UV-oskyddade sidan av panelen.

Hjulen ska vara monterade på den motsvarande skenan

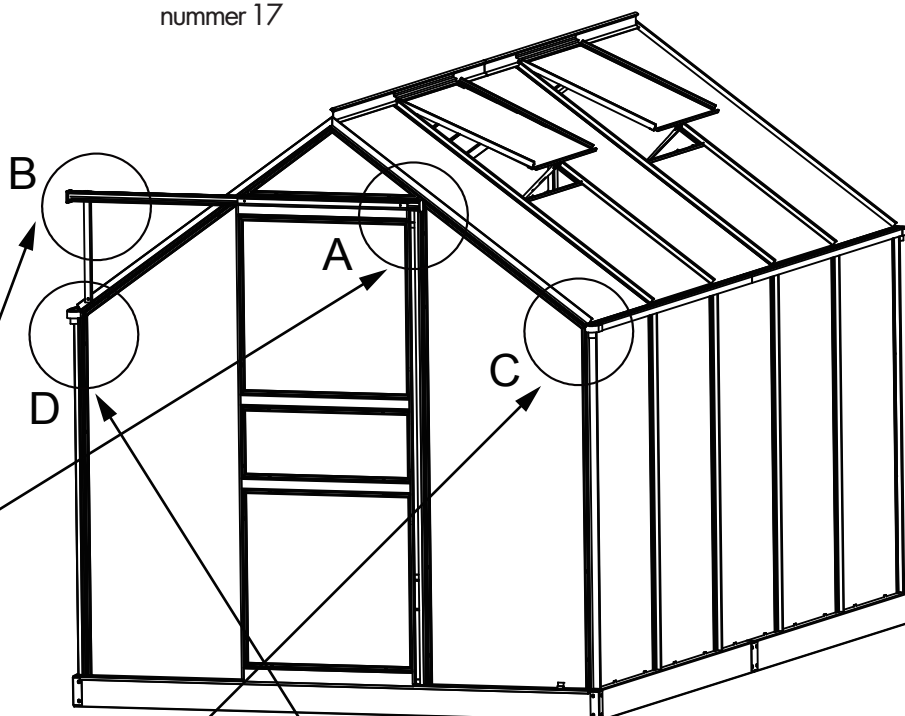
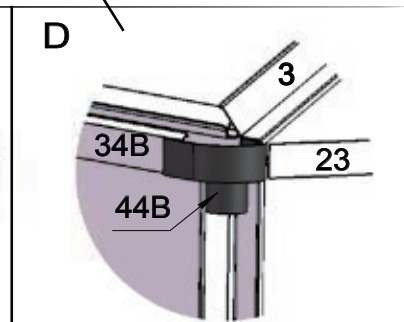
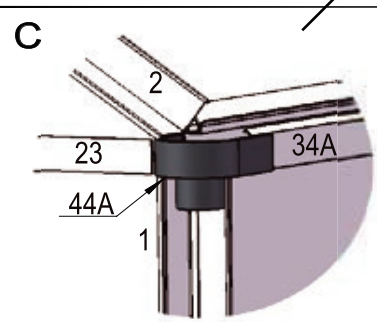
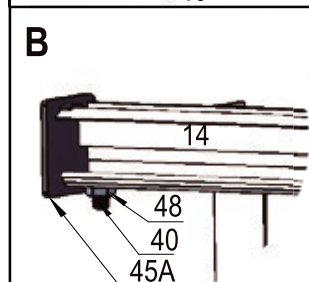
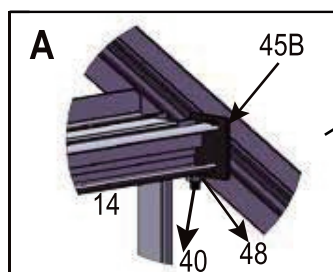
FÄSTA SKJUTDÖRREN



INSTALLERA REGNRÄNNAN

Den undre plastdelen klickar på plats i skenöppningen nummer 17

Art.nr.	Bild	Kvantitet
40		2ST
44A		2ST
44B		2ST
45A		1ST
45B		1ST
48		2ST



Underhåll:

Låt inte höga växter som växer upp till taket komma för nära takkonstruktionerna. För mycket vikt på taket kan skada växthusets stomme, särskilt om det blåser eller regnar mycket. Ta bort löven från taket då de kan försvåra att ljus lyser igenom plattorna. Håll växthusets tak fritt från is och snö. Vid behov kan du placera en stödstolpe inne i växthuset på vintern för att stödja taket. Vid en storm ska du se till att växthuset är ordentligt fäst på marken och att takluckan och dörren är stängda. Fäst vid behov växthuset vid t ex närliggande träd eller på annat sätt med linor, rep eller t ex spännremmar.

Kontrollera regelbundet att skruvarna på ramen sitter fast. Undvik att slå mot väggen och polykarbonatskivorna med vassa föremål. Om det finns ett snitt eller ett hål i panelen kan du laga det med lim eller genomskinlig tejp.

Håll polykarbonatskivorna rena så att ljuset lätt kan skina igenom dem. Polykarbonatskivor ska i allmänhet bytas ut vart 5-10:e år om du märker att ljuset som släpps igenom dem försämras.

Plassering:

- Ikke plasser drivhuset i et område som er utsatt for veldig sterk vind.
- Velg et solrikt, flatt sted uten overhengende trær.

Montering:

- Vi anbefaler å bruke hansker og vernebriller under montering.
- Hold barn unna monteringsområdet.
- Ikke installer drivhuset ved vind eller våte forhold.
- Verktøyene som du minimalt for montering er en elektrisk skrutrekker/bor og et målebånd
- Det tar 2-3 dager å få drivhuset helt ferdig
- Noen monteringstrinn krever to personer
- Oppbevar små deler (skruer osv.) i bokser og poser slik at de ikke blir borte.
- Hver del er nummerert og det samme nummeret finner du i monteringsanvisningen.
- Start monteringen ved å plassere delene med samme nummer i egne grupper rundt monteringsstedet.
- Aluminiumsrammen til drivhuset skal bygges først og PC-platene skal legges til sist.
- Gjennomsiktige PC-plater brukes til vegger og hule PC-plater brukes til tak.
- Filmen beskytter PC-platene og bør holdes på for å beskytte platene under montering og fjernes kun etter montering av platen.
- Stram skruene til deres fulle stramning kun når du er sikker på at monteringstrinnet er utført riktig
- Sørg for at drivhuset er godt nok forankret i bakken.
- Håndter vegg- og takplatene i polykarbonat med spesiell forsiktighet slik at de ikke får riper under monteringen.
- Tips! Om du vil, kan du lukke åpningene i enden av 4 mm takplatene med en gjennomsiktig tape (tapen følger ikke med i pakken), slik at fukt og skitt ikke kommer inn i platen. Dette gjør at takplaten vil fortsette å ha god lysgjennomgang og vare lenger.

Fjern beskyttelsesfilmen fra vegg- og takpolykarbonatpanelene før du monterer dem på plass.
Fargen på beskyttelsesfilmen indikerer hvilken side av platen som er UV-beskyttet (plasser mot solen).
Se nedenfor!

Veggplater 1,2 mm

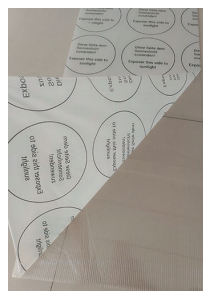


Den hvit beskyttelsesfilmen på 1,2 mm veggplater viser til den UV-beskyttede siden av platen.



Den gjennomsiktige beskyttelsesfilmen på 1,2 mm veggplater viser til den siden av platen som ikke er UV-beskyttet.

Takplater 4,0 mm

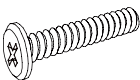
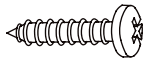
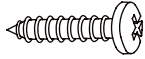
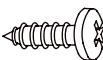
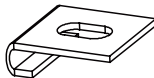
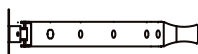
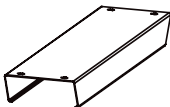
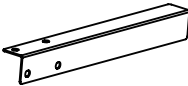
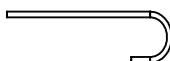


Den hvite beskyttelsesfilmen på 4,0 mm takplater viser til den UV-beskyttede siden av platen.



Den gjennomsiktige beskyttelsesfilmen på 4,0 mm takplater viser til den siden av platen som ikke er UV-beskyttet.

Art.Nr.	Bilde	Antall	Størrelse (mm)		Art.Nr.	Bilde	Antall	Størrelse (mm)
1		4	1215		22		4	1304
2		1	1134		23		2	594
3		1	1134		24		1	610
4		1	1134		25		2	1304
5		1	1134		26		2	610
6		1	1647		27		1	610
7		1	1647		28		4	520
8		1	1675		29		1	608
9		1	1675		30		2	590
10		8	1215		31		2	590
11		8	1114		32A		2	1508
12		1	603		32B		2	1508
13		4			32C		2	170
14		1	1250		33		1	1506
15		2	634		33A		1	1506
16		1	1822		33C		1	170
17		1	1822		34A		2	1508
18		4			34B		2	1508
19		1	380		34C		2	170
20		2	1608		35		1	563
21		1	1814		36		2	

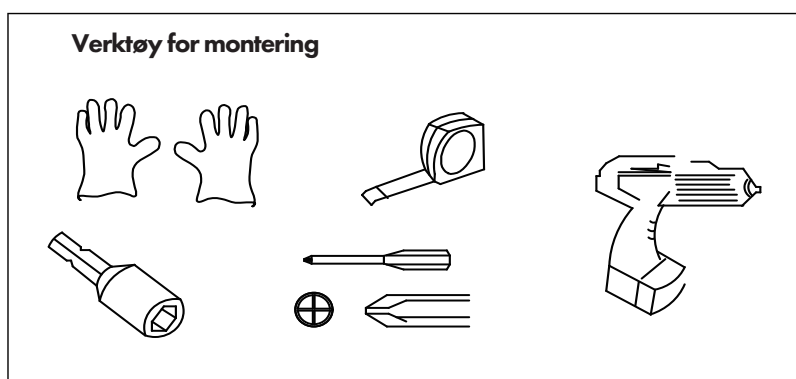
Art.Nr.	Bilde	Antall	Størrelse (mm)		Art.Nr.	Bilde	Antall	Størrelse (mm)
37		1			52		6	609
38		1	M6*30		53		4	565
39		2			54		2	215
40		169	M6*10		55		24	1213
41		14	M5*18		2A		1	695
41A		2	M4*18		2B		1	355
42		12	M4*8		3A		1	695
43		20			3B		1	355
44A		2			4A		1	695
44B		2			4B		1	355
45A		1			5A		1	695
45B		1			5B		1	355
46		2			6A		1	1645
47		174	M5*8		7A		1	1645
48		170	M6		8A		1	1645
49		2	1884		8B		1	1650
49A		4	1538		9A		1	1645
49B		2			9B		1	1650
50		4	199		12A		1	540
51		8			56		72	
					57		50	

PC-PLATER

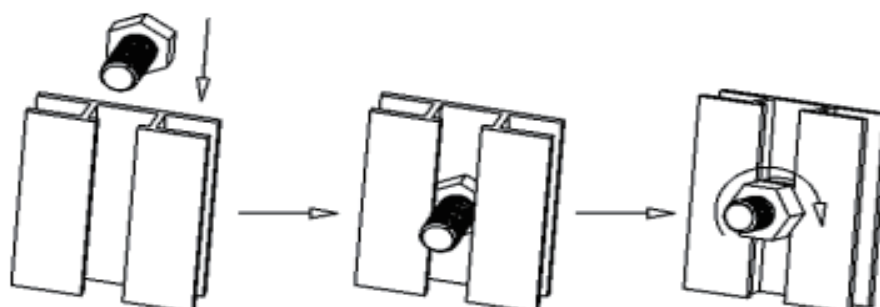
Art.Nr.	Antall	Bilde	Størrelse (mm)	
1	11STK.		590x1212	gjennomsiktige 1,2mm plater for veggene
2	8STK.		605 x 1130	4mm plate for taket
3A	1STK.		590x1653	gjennomsiktige 1,2mm plater for veggene
3B	1STK.		590x1653	gjennomsiktige 1,2mm plater for veggene
3C	1STK.		590x1653	gjennomsiktige 1,2mm plater for veggene
3D	1STK.		590x1653	gjennomsiktige 1,2mm plater for veggene
4	2STK.		605 x 585	4mm plate for taket
5	2STK.		595 x 550	4mm plate for taket
6	1STK.		590x660	gjennomsiktige 1,2mm plater for veggene
7	1STK.		610x245	gjennomsiktige 1,2mm plater for veggene
8	1STK.		590x225	gjennomsiktige 1,2mm plater for veggene
9	2STK.		610x602	gjennomsiktige 1,2mm plater for veggene



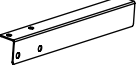
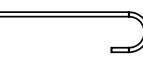
Vi anbefaler å rive av beskyttelsesfilmene etter at platen er satt på plass i drivhusrammen, slik at du holder deg klar over hvilken side som er UV-beskyttet og sidene ikke blir blandet sammen under monteringen. En god måte er å fjerne ca. 5 cm av beskyttelsesfilmen fra alle kanter av platen før du monterer platen i aluminiumsrammen (slik at den ikke kommer under skruene og aluminiumslistene), og når platen er festet i rammen, kan du rive de beskyttende filmene helt av.



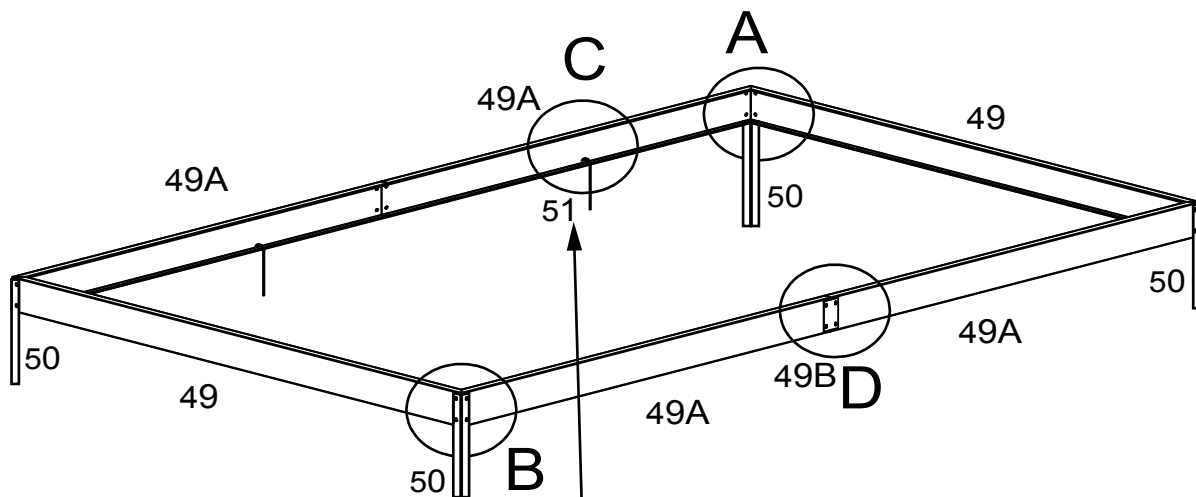
Slik skyver du skruene inn i sporene på aluminiumsskinnene



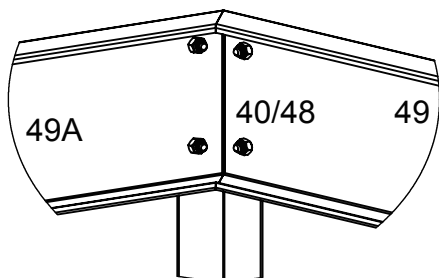
MONTERING AV FUNDAMENTET

Art.Nr.	Antall	Bilde	Art.Nr.	Antall	Bilde
40	24STK.		49B	2STK.	
48	24STK.		50	4STK.	
49	2STK.		51	8STK.	
49A	4STK.				

Bruk nummer 50 for å feste nummer 49, bruk deretter skru nummer 40 for å feste fra utsiden, bruk deretter mutter nummer 48 for å stramme, og bruk deretter nummer 51 jordpluggen for å feste til bakken. Del nummer 50 legges i bakken i hele sin lengde, for å holde grunnlaget til drivhuset på plass.

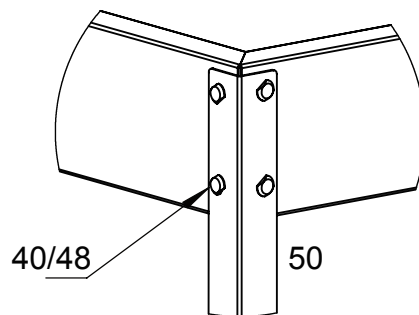


A



Del A er innsiden, vær oppmerksom på monteringsretningen til nummer 40 og nummer 48

B



Del B er ytersiden, vær oppmerksom på monteringsretningen til nummer 40

C



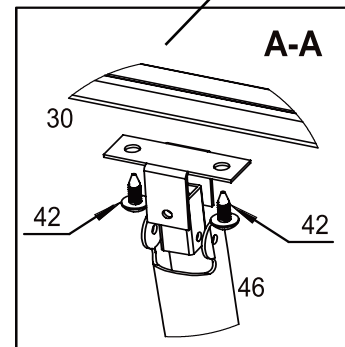
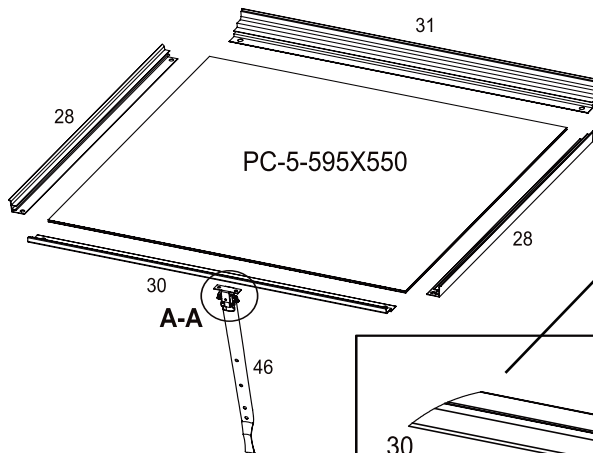
Del C er innsiden, vær oppmerksom på hvordan du installerer nummer 51

Instruksjonsvideo om montering kan sees på produktsiden i K-Rauta.fi nettbutikk

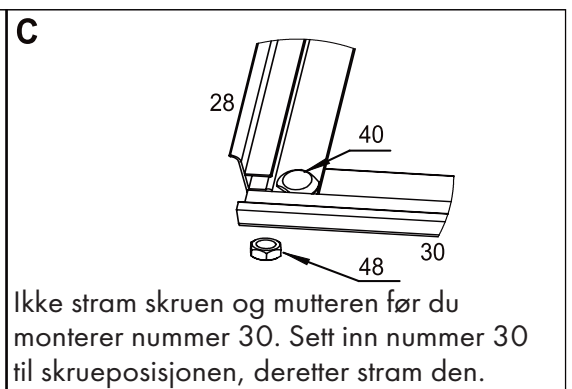
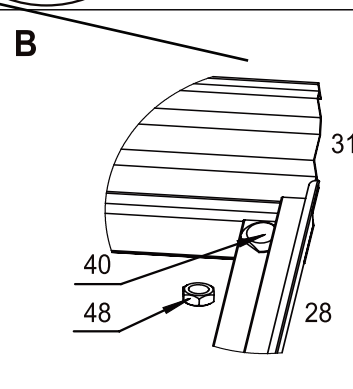
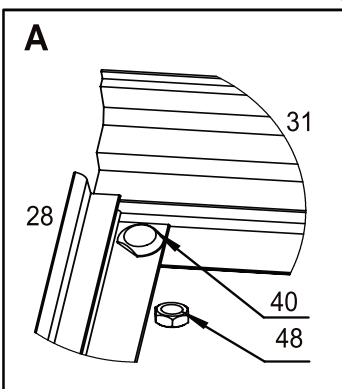
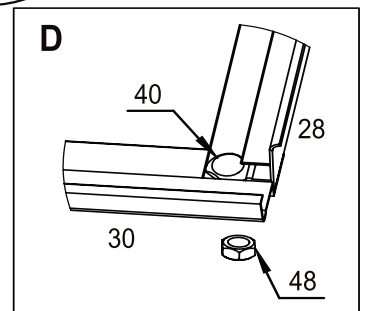
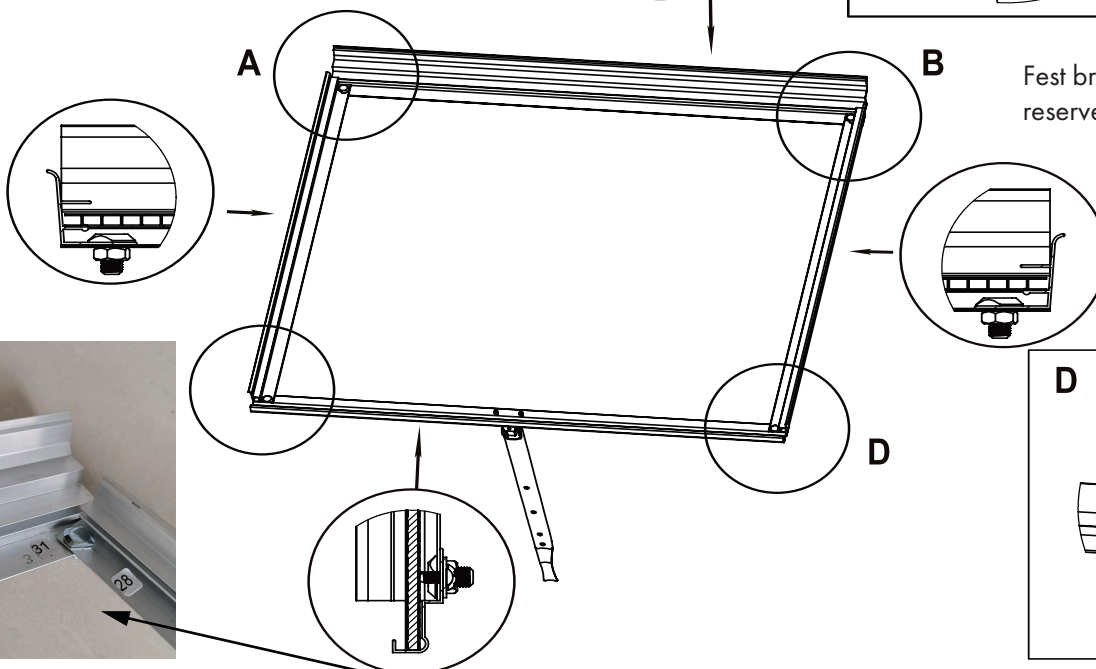
MONTERING AV TAKVINDU

Art.Nr.	Antall	Bilde	Størrelse (mm)
28	4STK.		520
30	2STK.		590
31	2STK.		590
40	8STK.		
42	4STK.		
46	2STK.		
48	8STK.		
5	2STK.		595 x 550

Vennligst sett ut sprengskissene som vist på bildet nedenfor, sett inn nummer 40 skruer fra topp til bunn, monter nummer 28 og nummer 31 først, monter deretter nummer 5 plate, neste trinn er å feste nummer 30



Fest braketten på skruerhullet reservert til den

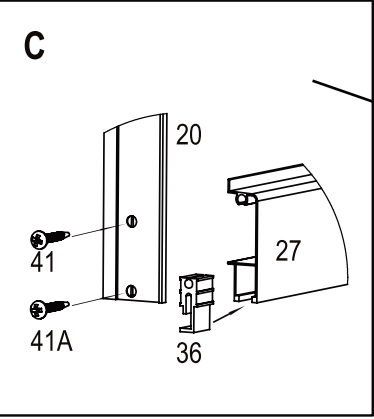
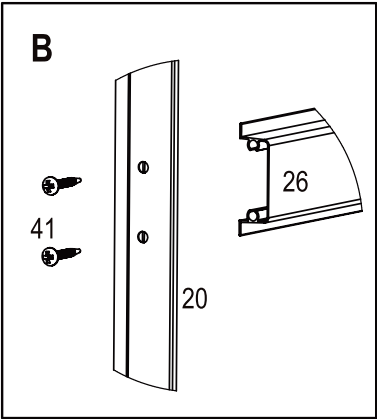
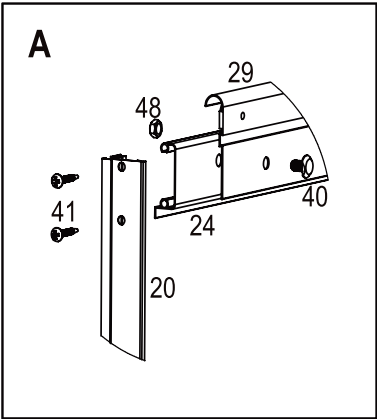
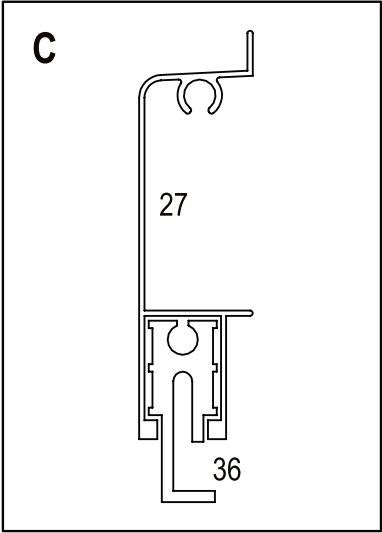
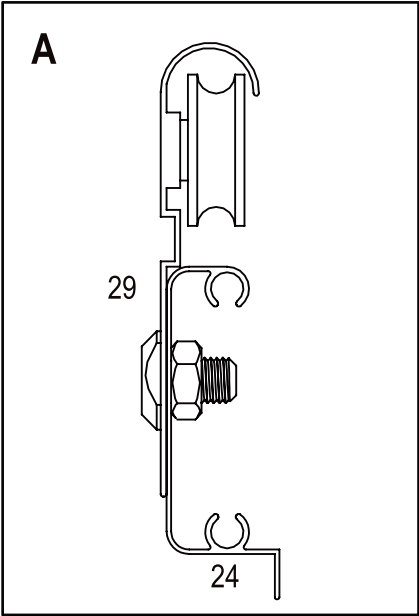
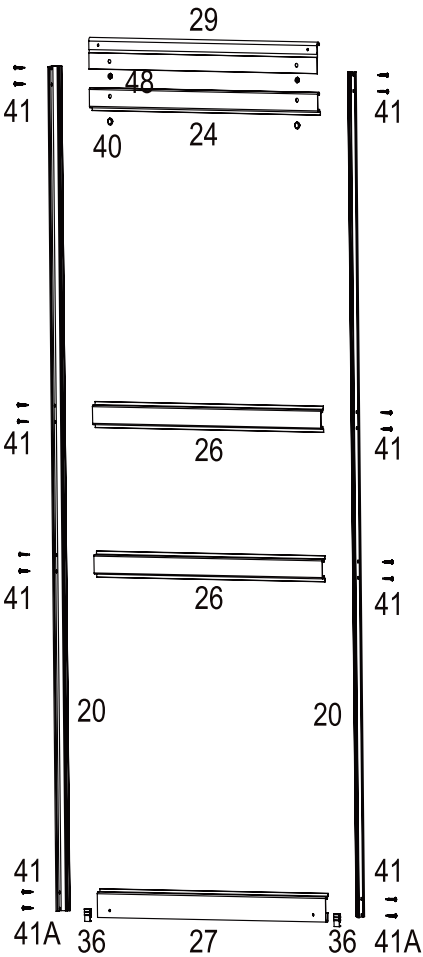
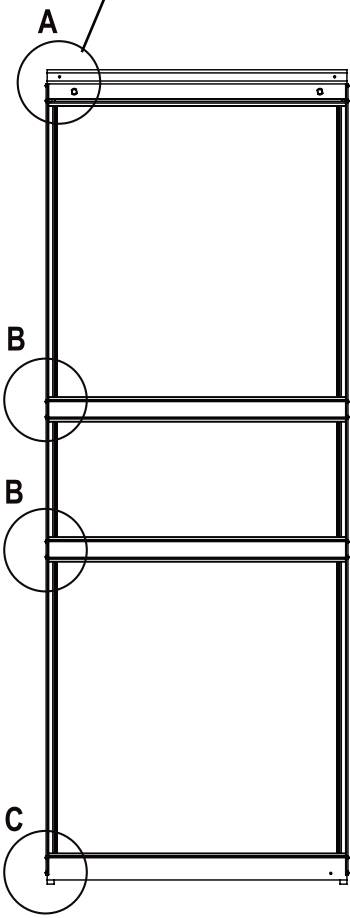
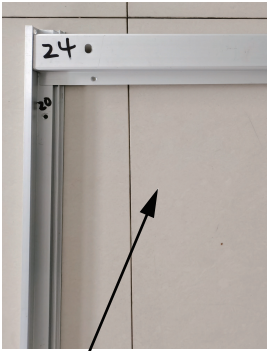


Ikke stram skruen og mutteren før du monterer nummer 30. Sett inn nummer 30 til skruedisposisjonen, deretter stram den.

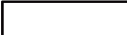
Siden med den hvit beskyttelsesfilmen med UV-beskyttelse bør ligge mot solen.
Siden med den hvite beskyttelsesfilmen uten UV-beskyttelse mot innsiden av drivhuset.

MONTER RAMMEN TIL SKYVEDØREN

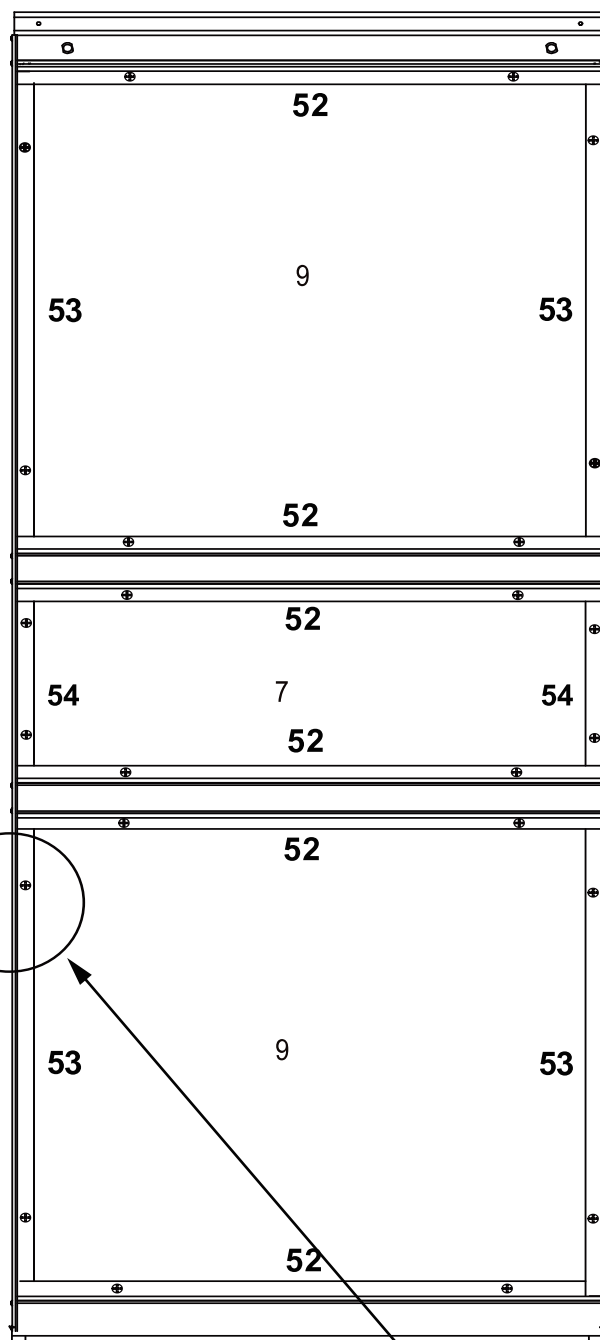
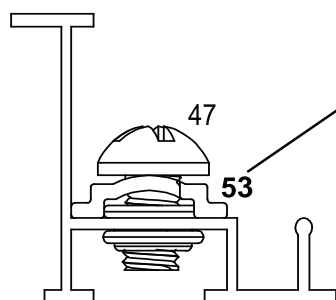
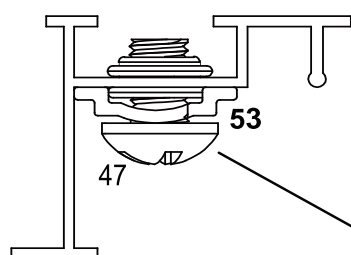
Art.Nr.	Antall	Bilde	Størrelse (mm)
20	2STK.		1608
24	1STK.		610
26	2STK.		610
27	1STK.		610
29	1STK.		605
36	2STK.		
40	2STK.		
41	14STK.		
41A	2STK.		
48	2STK.		



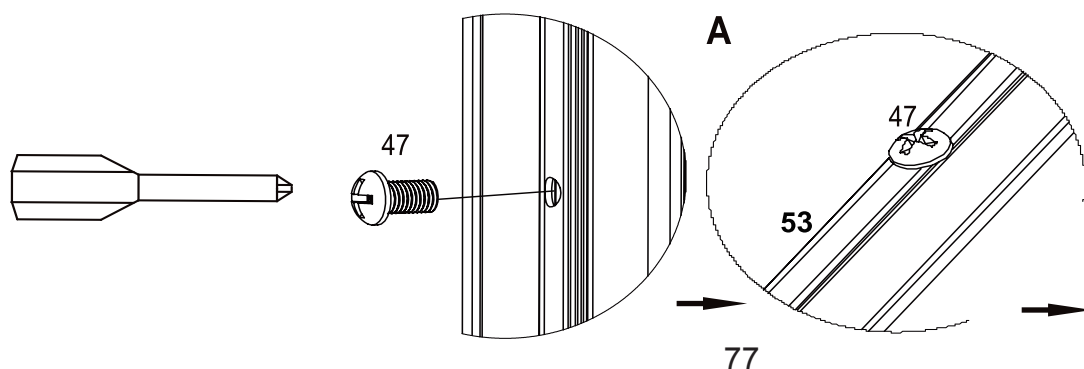
MONTER PLATEN TIL SKYVEDØREN

Art. Nr.	Antall	Bilde
47	24STK.	
52	6STK.	
53	4STK.	
54	2STK.	
7	1STK.	
9	2STK.	

Siden med den hvit beskyttelsesfilmen med UV-beskyttelse bør ligge mot solen. Siden med den hvite beskyttelsesfilmen er uten UV-beskyttelse. Vi anbefaler å rive av beskyttelsesfilmene etter at platen er satt på plass i drivhusrammen, slik at du holder deg klar over hvilken side som er UV-beskyttet og sidene ikke blir blandet sammen under monteringen.

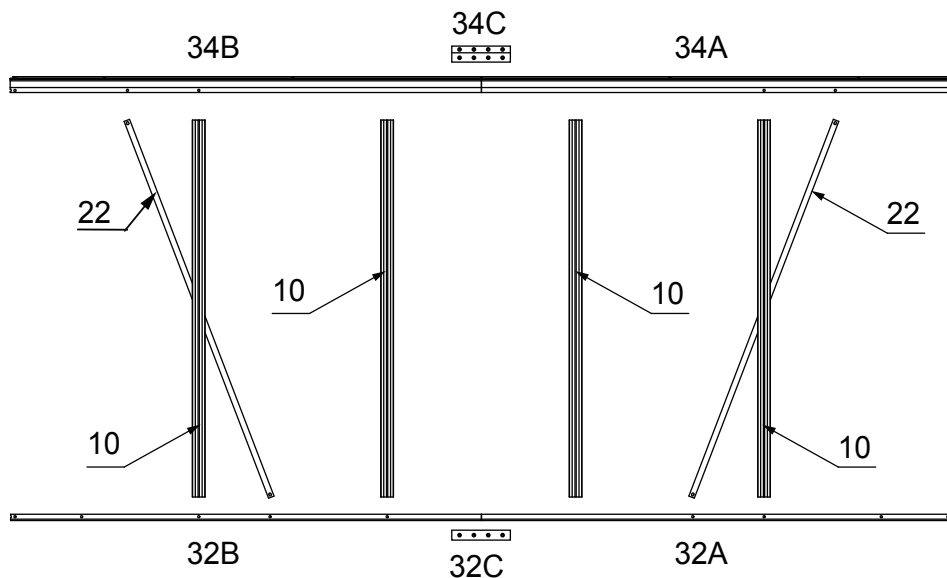


Bruk et verktøy for å stramme skrue nummer 47

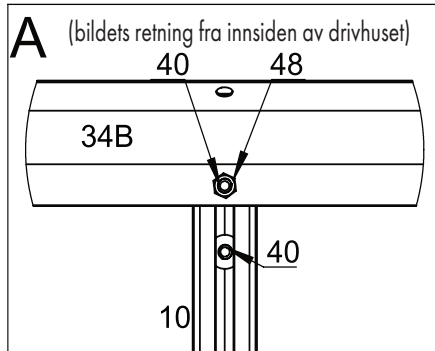


MONTER DEN VENSTRE VEGGEN (SETT FRA DØREN)

Art.Nr.	Antall	Bilde	Størrelse (mm)
10	4STK.		1215
22	2STK.		1304
32A	1STK.		1508
32B	1STK.		1508
32C	1STK.		170
34A	1STK.		1508
34B	1STK.		1508
34C	1STK.		170
40	26STK.		
48	26STK.		



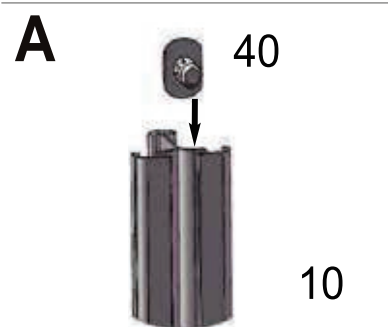
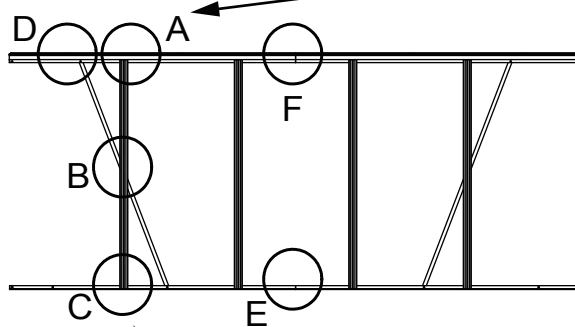
Fest skruemutteren først, så ikke lås den på nr. 32 og 34, sett inn nr. 10 i skruen festet på 32 og 34, og lås den deretter avhengig av nr. 10-bolten som vist i følgende bilde A



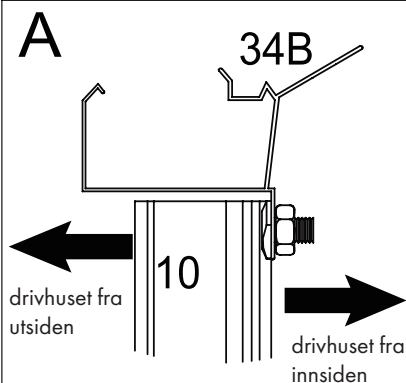
Sett inn en skruer i sporet før du fester den øvre skinnen for å feste del nr. 22.

Stram skruene først før du fester nummer 32 og 34

Sideveggen sett fra innsiden

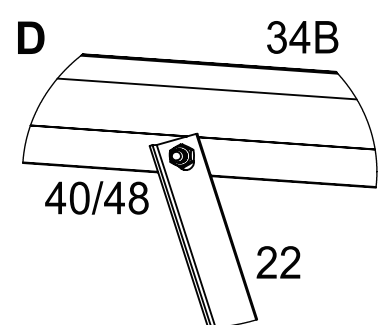


Vær oppmerksom på hvordan du setter inn skruen.

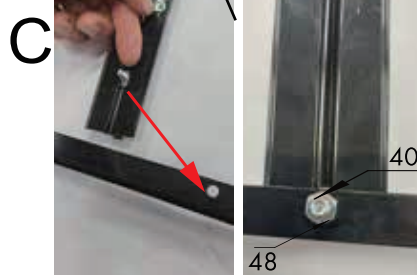
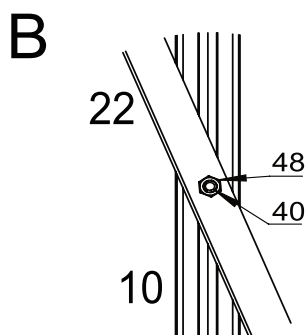


drivhuset fra utsiden

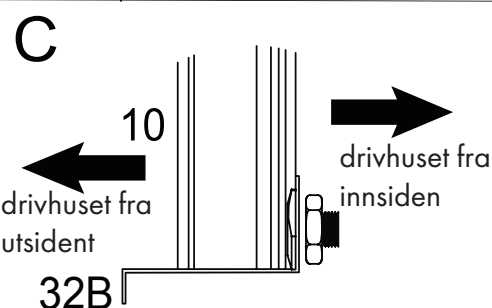
drivhuset fra innsiden



bilderetning fra innsiden av drivhuset



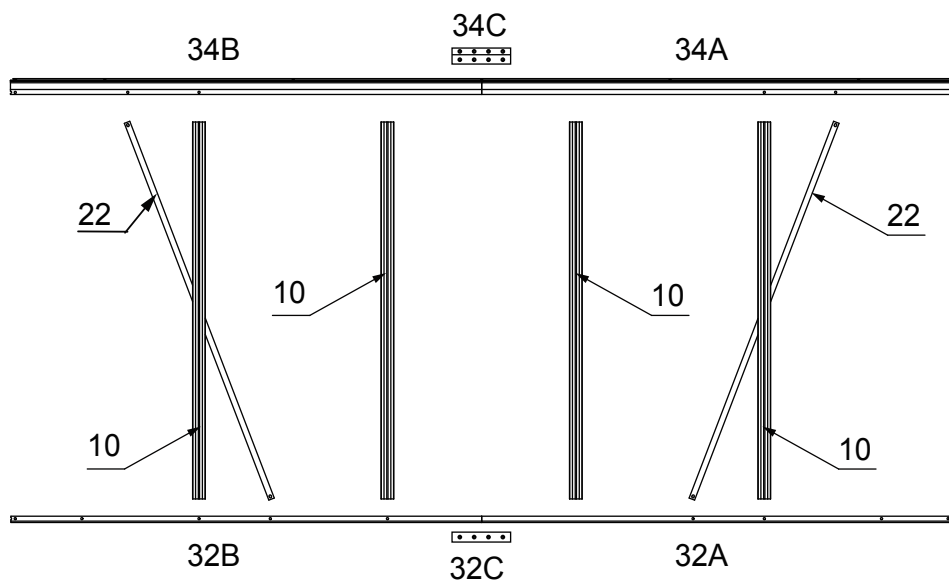
C-bilde: festing av del 10 til del 32A



drivhuset fra utsiden

drivhuset fra innsiden

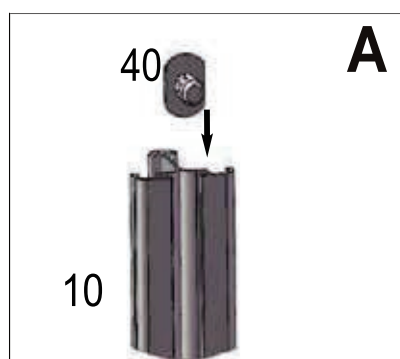
MONTER DEN HØYRE VEGGEN (SETT FRA DØREN)



Fest skruemutteren først, så ikke lås den på nr. 32 og 34, sett inn nr. 10 i skruen festet på 32 og 34, og lås den deretter avhengig av nr. 10-bolten som vist i følgende bilde A

Monter rammen til sideveggene

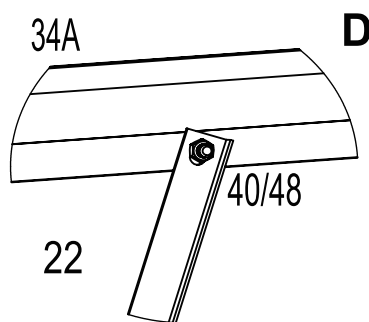
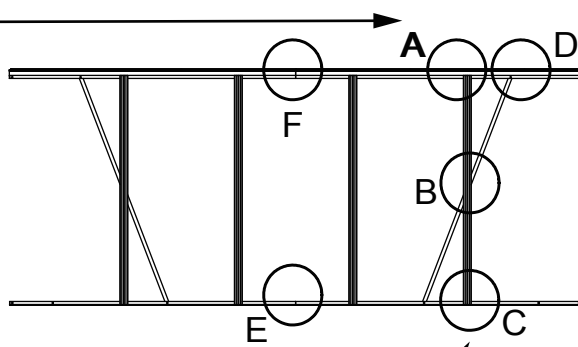
Art.Nr.	Antall	Bilde	Størrelse (mm)
10	4STK.		1215
22	2STK.		1304
32A	1STK.		1508
32B	1STK.		1508
32C	1STK.		170
34A	1STK.		1508
34B	1STK.		1508
34C	1STK.		170
40	26STK.		
48	26STK.		



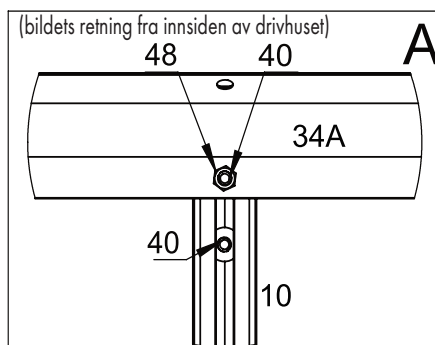
Vær oppmerksom på hvordan du setter inn skruen.

Stram skruene først før du fester nummer 32 og 34

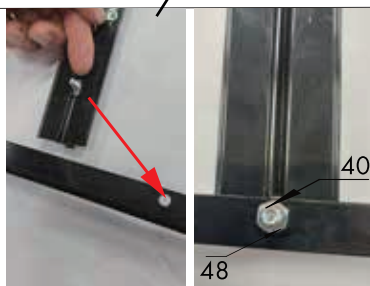
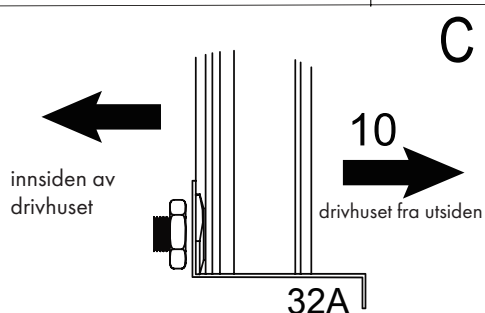
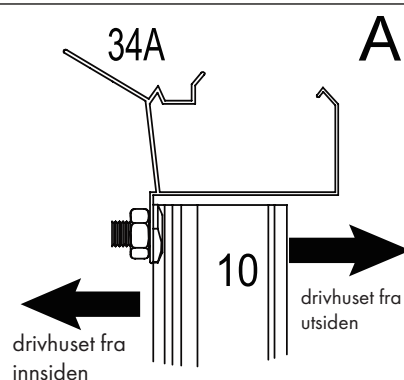
Sideveggen sett fra innsiden



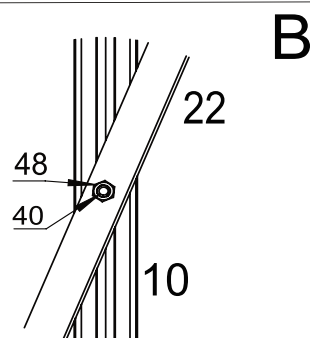
bilderetning fra innsiden av drivhuset



Sett inn en skru i sporet før du fester den øvre skinnen for å feste del nr. 22.

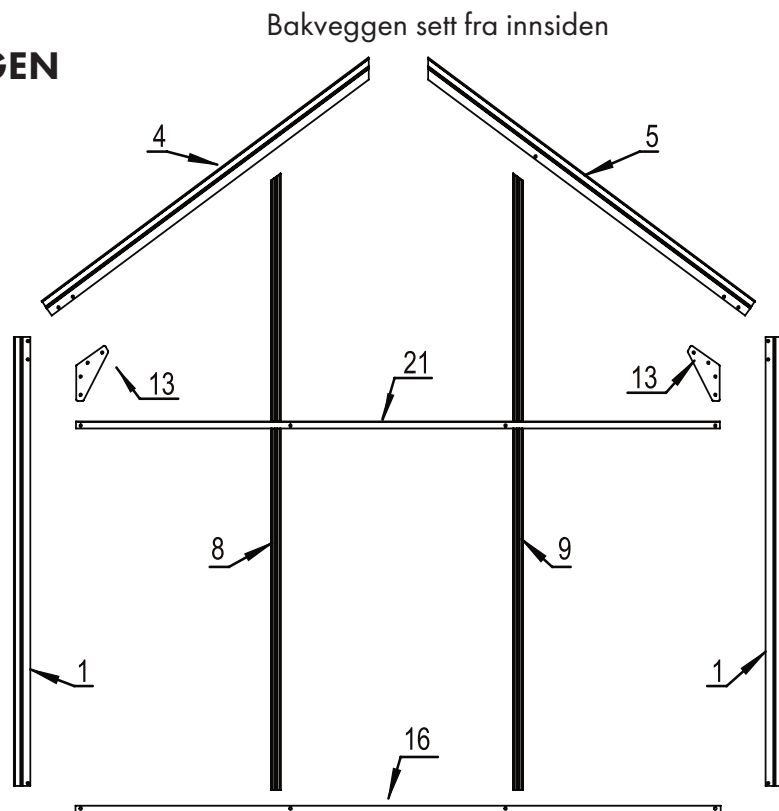


C-bilde: festing av del 10 til del 32B

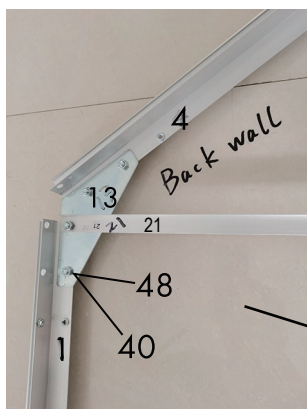


MONTER RAMMEN TIL BAKVEGGEN

Art.Nr.	Antall	Bilde	Størrelse (mm)
1	2STK.		1215
4	1STK.		1134
5	1STK.		1134
8	1STK.		1670
9	1STK.		1670
13	2STK.		
16	1STK.		1822
21	1STK.		1814
40	16STK.		
48	16STK.		



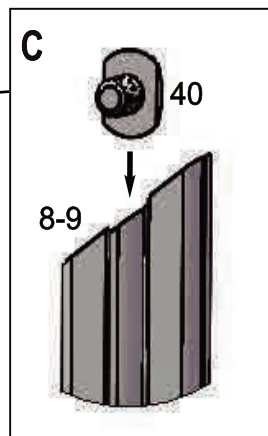
A



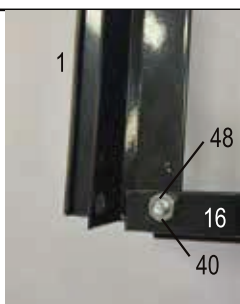
Skrueene er sikret fra innsiden med muttere

Bakveggen sett fra innsiden

Sett inn én skruer på forhånd



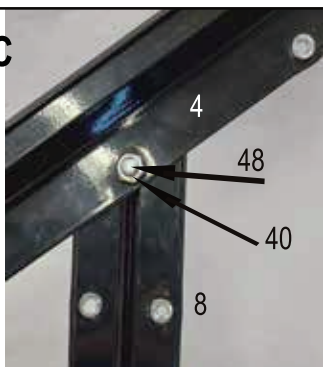
B



bilderetning fra innsiden av drivhuset

Trekk til skruene og mutrene til del C og E

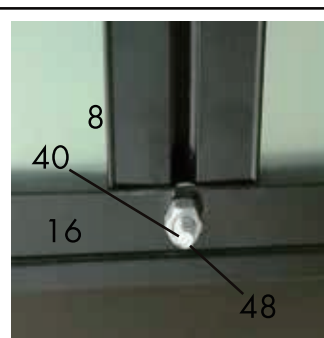
C



D



E

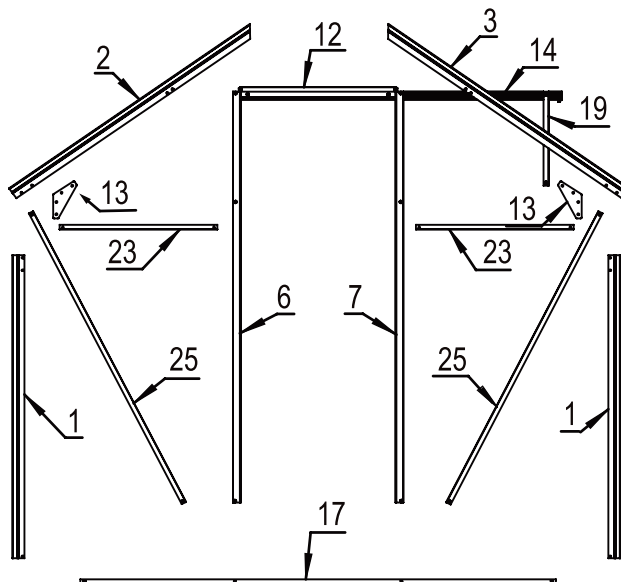


Bruk den forhåndsinstallerte skruen for å feste nummer 21

MONTER RAMMEN TIL FRONTVEGGEN

Art. Nr.	Antall	Bilde	Størrelse (mm)
1	2STK.		1215
2	1STK.		1134
3	1STK.		1134
6	1STK.		1647
7	1STK.		1647
12	1STK.		610
13	2STK.		
14	1STK.		1260
17	1STK.		1822
19	1STK.		380
23	2STK.		594
25	2STK.		1304
37	1STK.		
38	1STK.		
40	21STK.		
48	22STK.		

Vær oppmerksom på retningen til nummer 2 og nummer 3 ved montering.



Fest nummer 19 med skruene på toppen først, følg deretter bilde D, bruk nummer 37 og nummer 38 for å feste nummer 19 fullstendig.

A

(bildets retning fra innsiden av drivhuset)

B

(bildets retning fra innsiden av drivhuset)

frontveggen sett fra innsiden av drivhuset

A - A

Del 14 sliding til del 12
(bildets retning fra utsiden av drivhuset)

A

(bildets retning fra utsiden av drivhuset)
Bilde etter montering 14

C

(bildets retning fra innsiden av drivhuset)

D

(bildets retning fra utsiden av drivhuset)

E

innsiden¹
utenfor
(bildets retning fra utsiden av drivhuset)

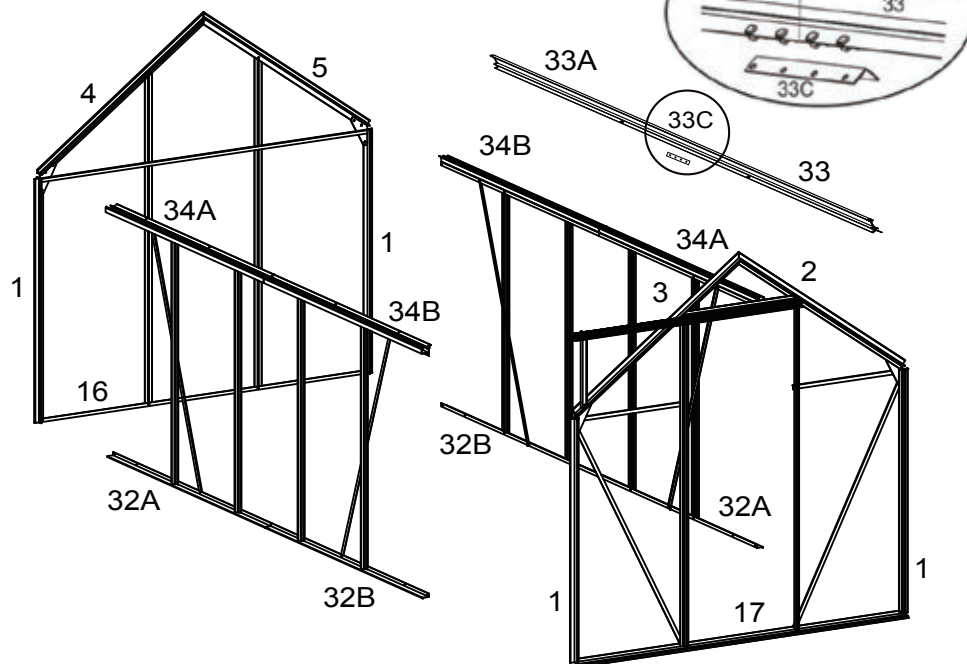
F

(bildets retning fra innsiden av drivhuset)

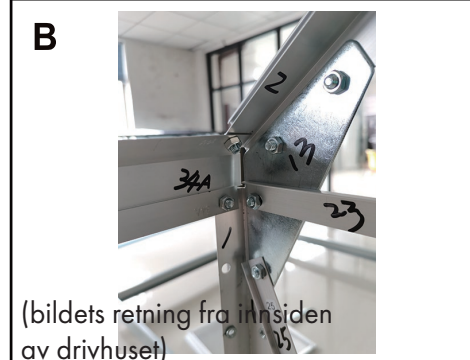
MONTER VEGGRAMMENE

Art.Nr.	Antall	Bilde	Størrelse (mm)
33	1STK.		1506
33A	1STK.		1506
33C	1STK.		170
40	24STK.		
48	24STK.		

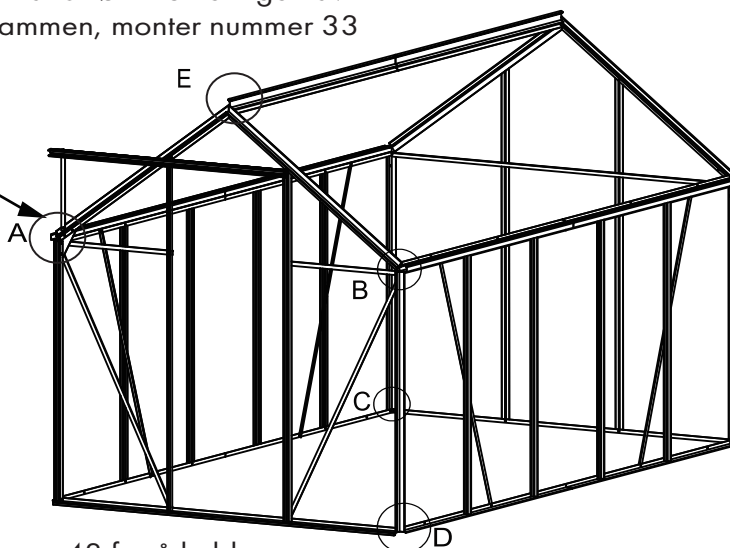
Festing av veggene til hverandre
Vi anbefaler å bruke 2 personer til å sette sammen veggrammene



Vær oppmerksom på oppsettet av aluminiumsprofilen nedenfor og bruk skruer for å feste fra utsiden.

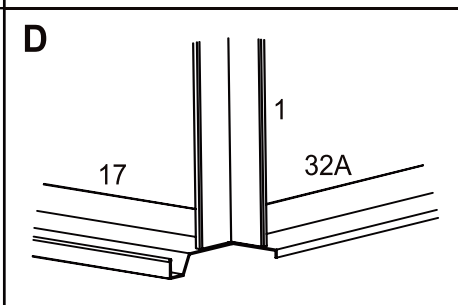
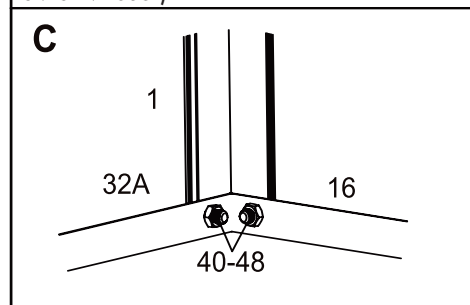


Etter å ha fullført monteringen av veggrammen, monter nummer 33



Bruk nummer 43 for å koble drivhusbunnen til fundamentet

Se neste side punkt E

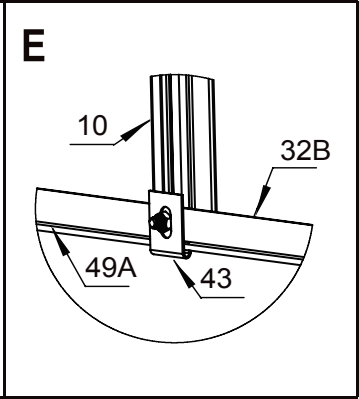
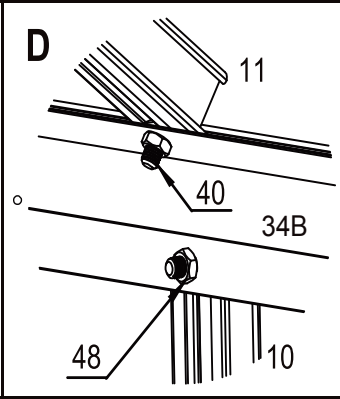
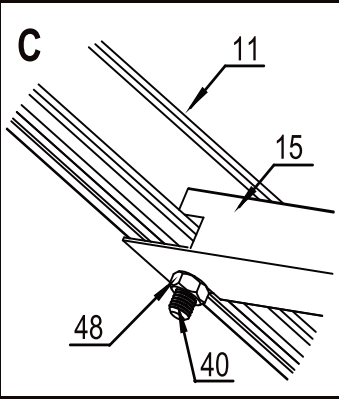
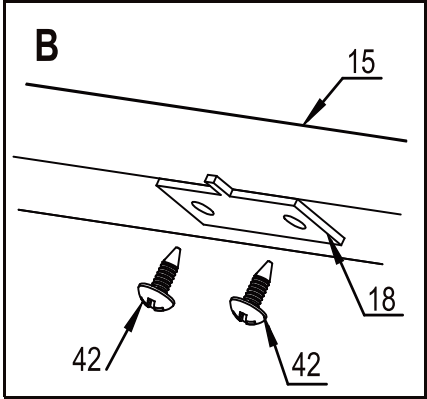
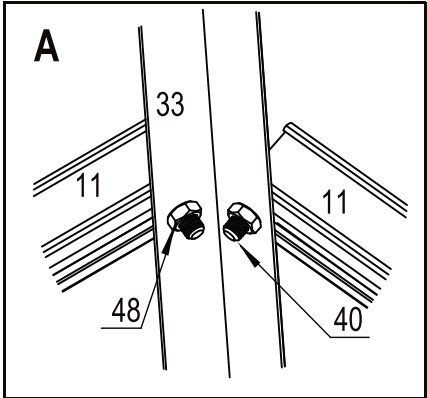
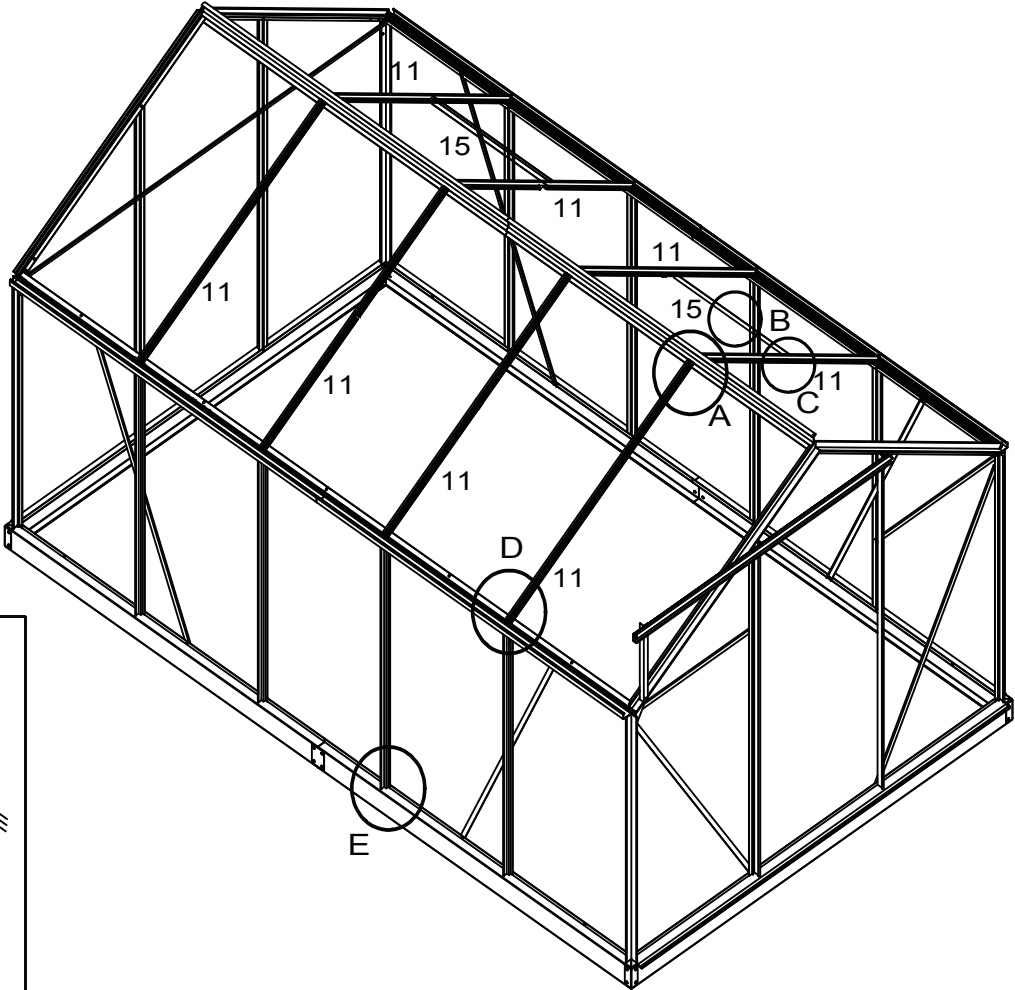


Drivhuset oppnår sin endelige stabilitet etter at du har strammet til alle skruene i aluminiumsrammene og montert platene. Endelig tilstramming kan utføres på slutten når alle delene er på plass.

MONTER TAKRAMMEN

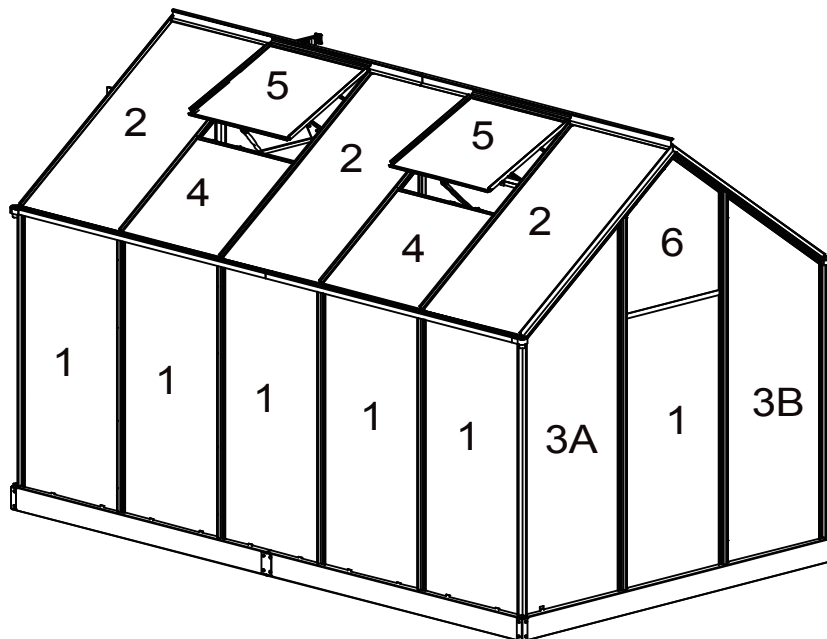


Art.Nr.	Antall	Bilde	Størrelse (mm)
11	8STK.		1114
15	2STK.		634
18	4STK.		
40	20STK.		
42	8STK.		
43	20STK.		
48	20STK.		



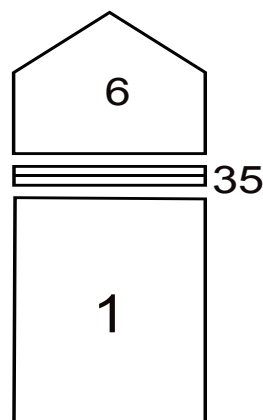
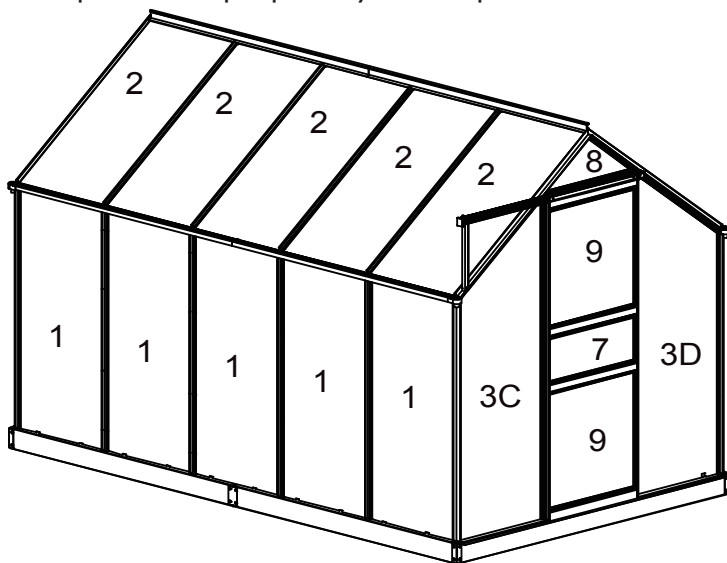
FESTING AV PLATEN

Art.Nr.	Antall	Bilde	Størrelse (mm)
1	11STK.		590x1212
2	8STK.		605 x 1130
3A	1STK.		590x1667
3B	1STK.		590x1667
3C	1STK.		590x1667
3D	1STK.		590x1667
4	2STK.		605 x 585
5	2STK.		595 x 550
6	1STK.		590x675
7	1STK.		605 x 252
8	1STK.		615 x 241
9	2STK.		605 x 602
35	1STK.		563



Platenummeret viser til plasseringen av platen.

Den detaljerte installasjonsprosedyren vises på side 86-90



Fjern beskyttelsesfilmen fra vegg- og takpolykarbonatpanelene før du monterer dem på plass.

Fargen på beskyttelsesfilmen indikerer hvilken side av platen som er UV-beskyttet (plasser mot solen). Se nedenfor!

Veggplater 1,2 mm



Den hvit beskyttelsesfilmen på 1,2 mm veggplater viser til den UV-beskyttede siden av platen.



Den gjennomsiktige beskyttelsesfilmen på 1,2 mm veggplater viser til den siden av platen som ikke er UV-beskyttet.

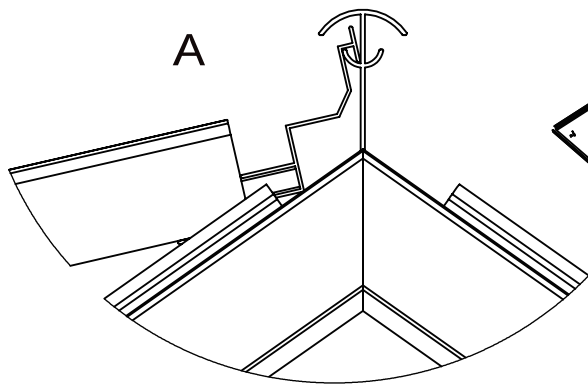
Takplater 4,0 mm



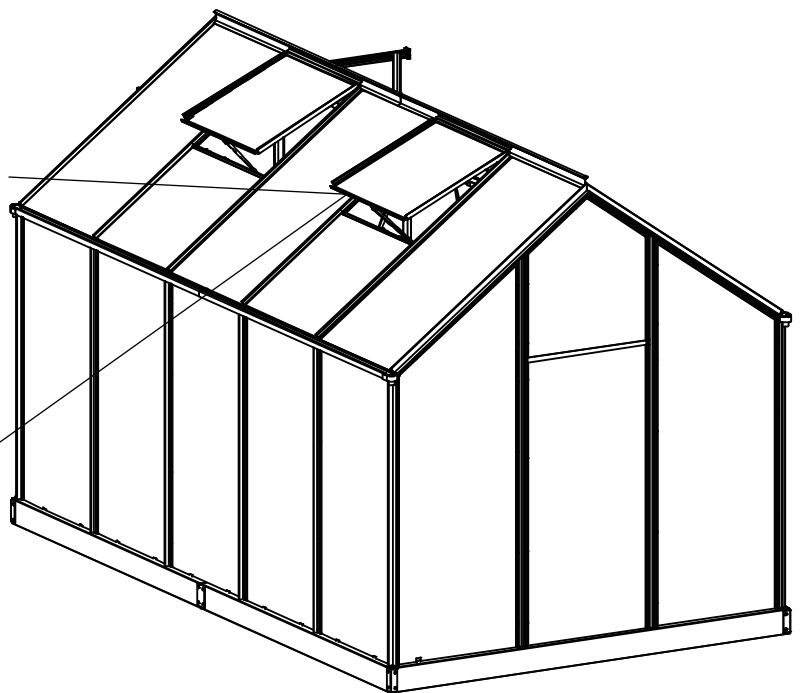
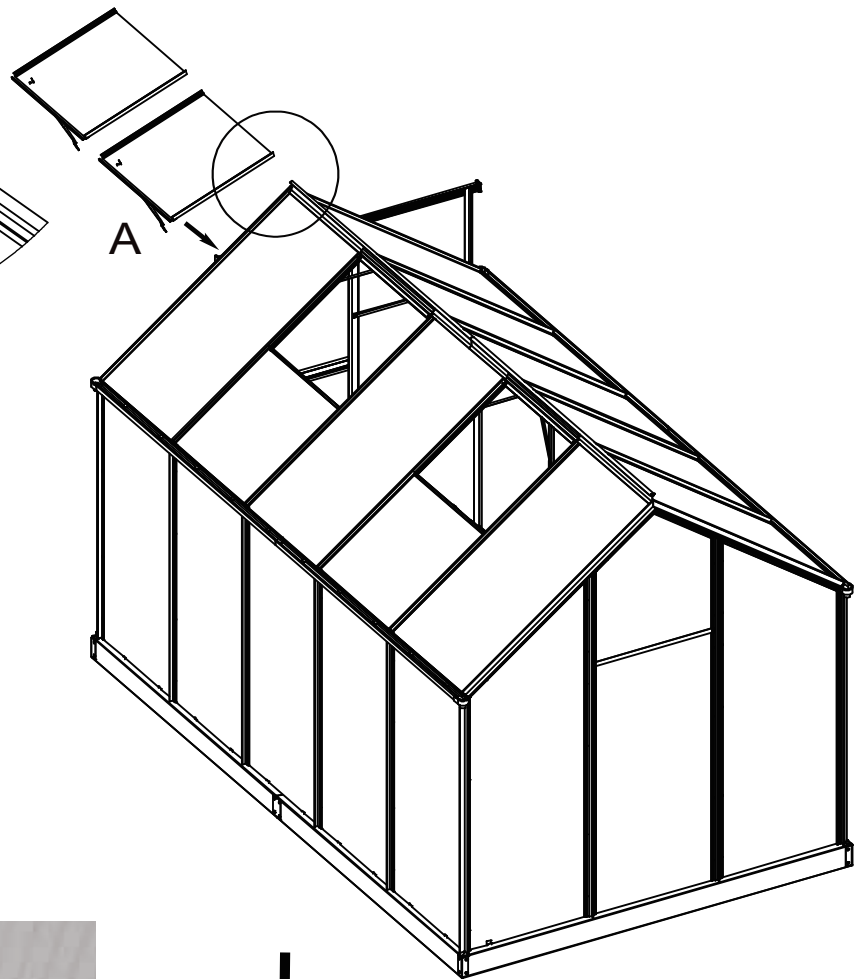
Den hvite beskyttelsesfilmen på 4,0 mm takplater viser til den UV-beskyttede siden av platen.



Den gjennomsiktige beskyttelsesfilmen på 4,0 mm takplater viser til den siden av platen som ikke er UV-beskyttet.

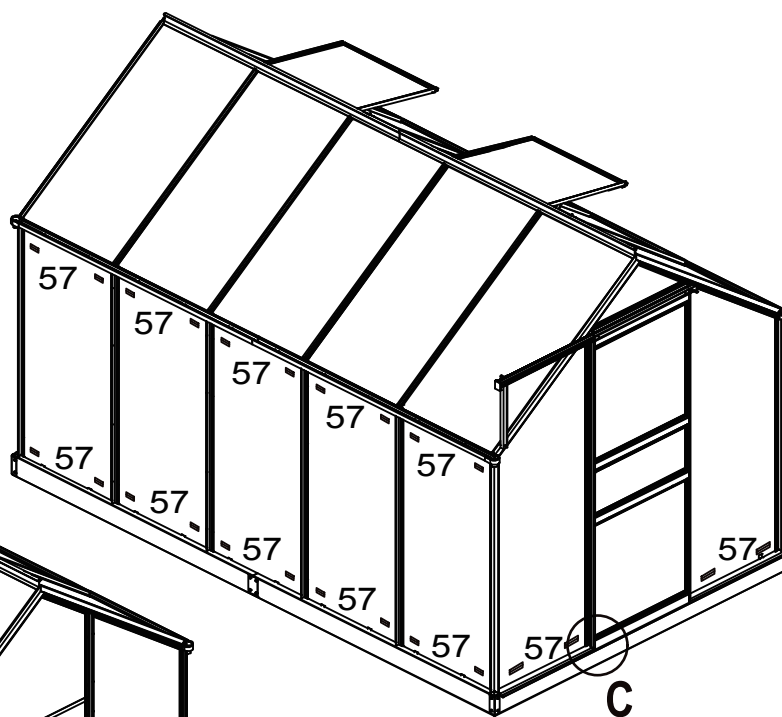
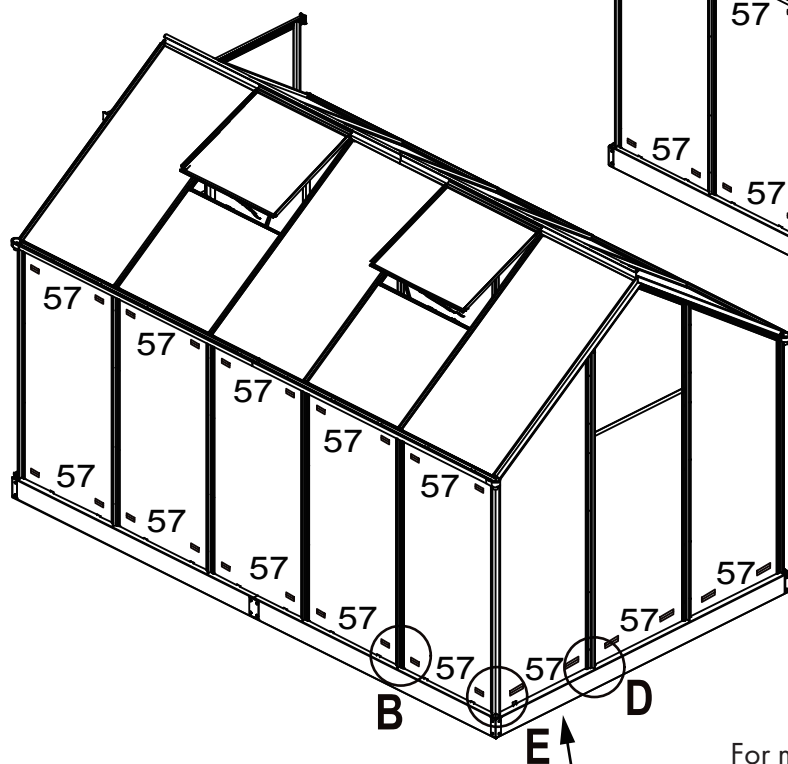


skli inn takvindowet

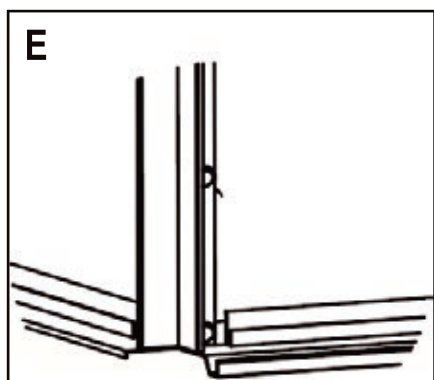
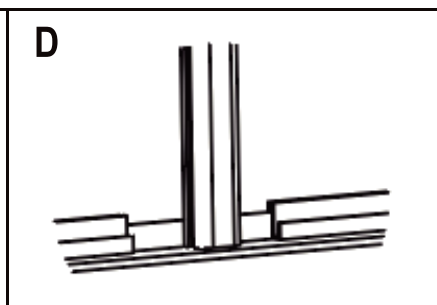
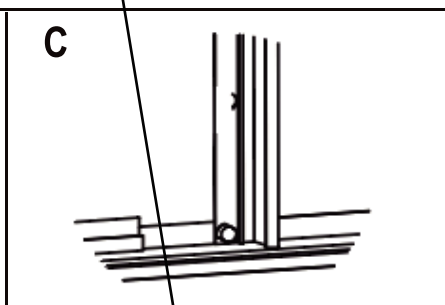
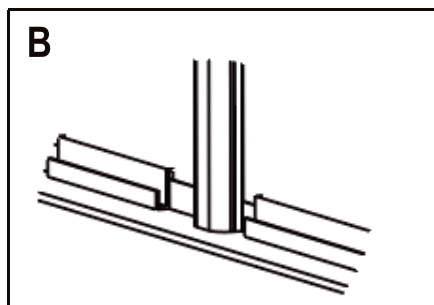


FESTING AV PLATEN

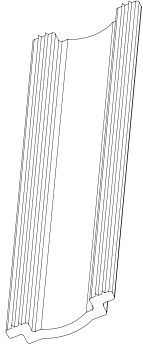
Art. Nr.	Antall	Bilde
57	50STK.	

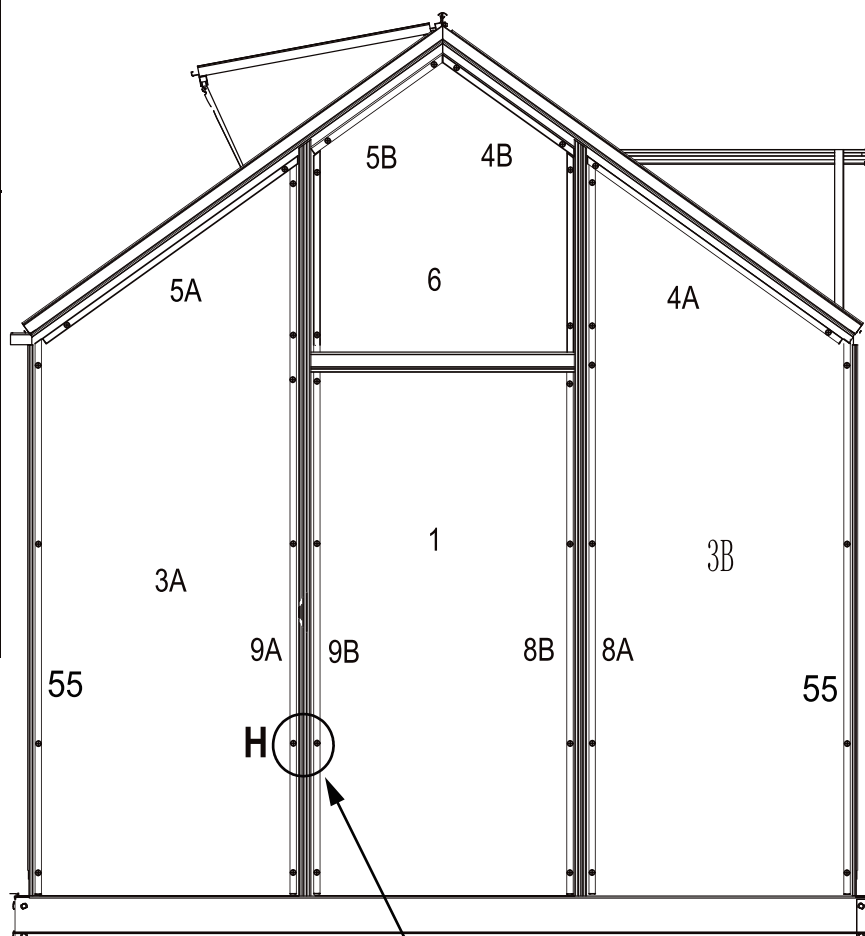


For montering av palaten sett inn nummer 57 til aluminiumsprofilen som bildet nedenfor viser

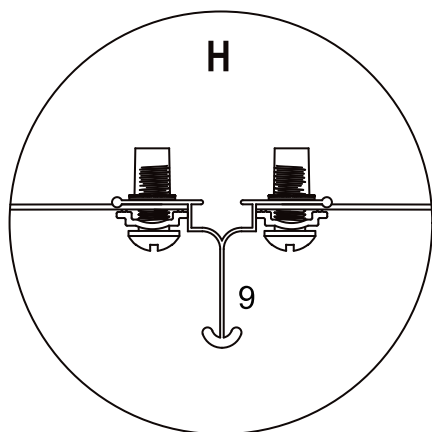


MONTERING AV PLATEN TIL BAKVEGGEN

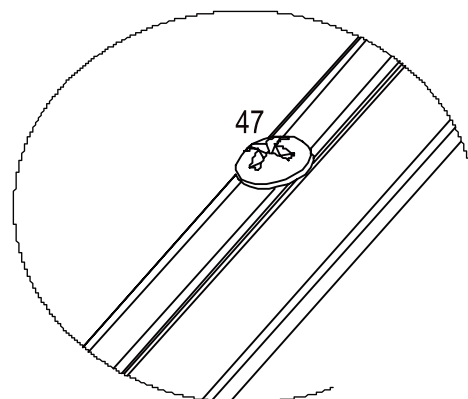
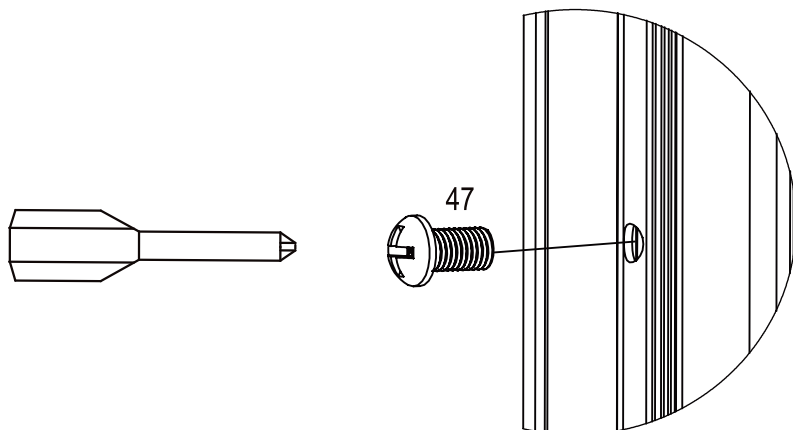
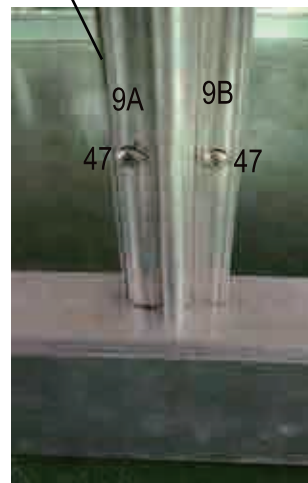
Art. Nr.	Antall	Bilde	Størrelse (mm)
55	2STK.		1213
4A	1STK.		695
4B	1STK.		355
5A	1STK.		695
5B	1STK.		355
8A	1STK.		1645
8B	1STK.		1645
9A	1STK.		1645
9B	1STK.		1645
47	40STK.		M5*10
1	1STK.		
6	1STK.		
3A	1STK.		
3B	1STK.		



Siden med den hvit beskyttelsesfilmen med UV-beskyttelse bør ligge mot solen.
Siden med den hvite beskyttelsesfilmen uten UV-beskyttelse



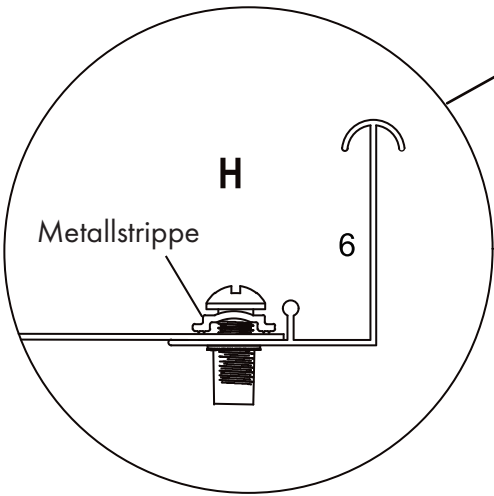
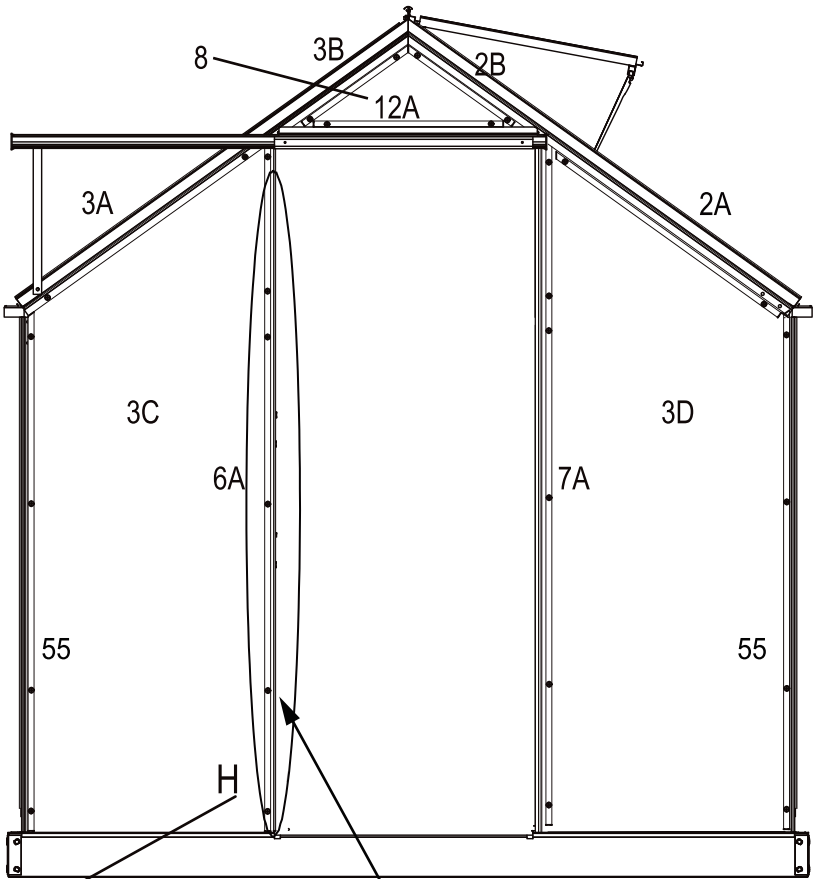
Bruk et verktøy for å stramme skrue nummer 47



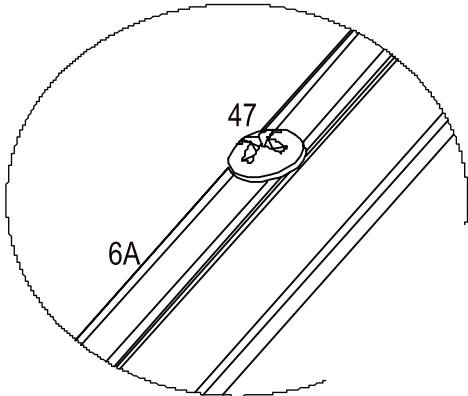
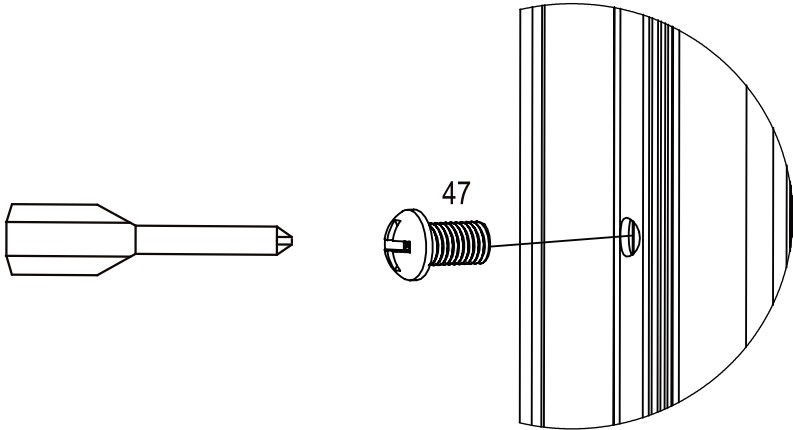
MONTERING AV PLATEN TIL FRONTVEGGEN

Art. Nr.	Antall	Bilde	Størrelse (mm)
55	2STK.		1213
2A	1STK.		695
2B	1STK.		355
3A	1STK.		695
3B	1STK.		355
6A	1STK.		1645
7A	1STK.		1645
12A	1STK.		540
47	30STK.		M5*10
8	1STK.		
3C	1STK.		
3D	1STK.		

Siden med den hvit beskyttelsesfilmen med UV-beskyttelse bør ligge mot solen.
 Siden med den hvite beskyttelsesfilmen er uten UV-beskyttelse.
 Hvis veggepanelhull og ramnehull ikke matches, kan du løse skrubitten for å justere deg.

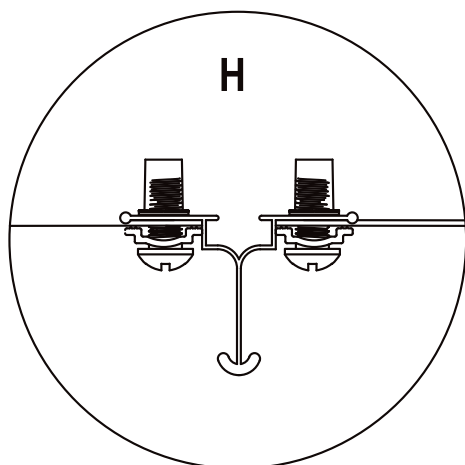
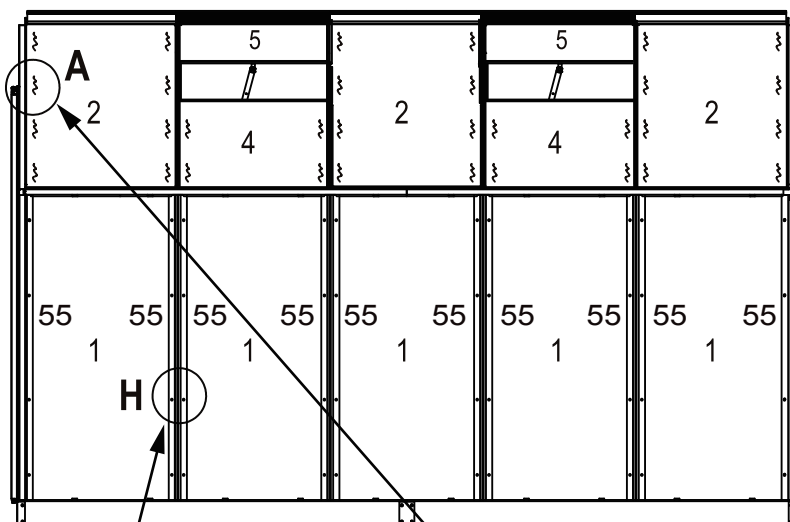


Bruk et verktøy for å stramme skruer nummer 47



MONTERING AV PLATENE TIL DEN VENSTRE SIDEVEGGEN OG TAKET

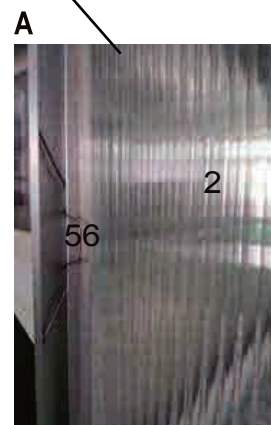
Art. Nr.	Antall	Bilde	Størrelse (mm)
55	10STK		1213
56	32STK		
47	40STK		M5 * 10
1	5STK.		
2	3STK.		
4	2STK.		
5	2STK.		



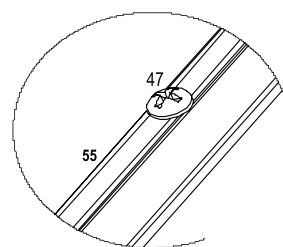
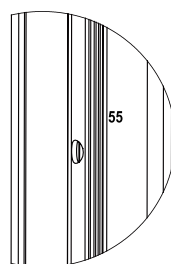
Bruk et verktøy for å stramme skruer nummer 47



bilde av montering av den gjennomsiktige veggplaten



bilde av montering av 4 mm takplate



Veggplater 1,2 mm



Den hvit beskyttelsesfilmen på 1,2 mm veggplater viser til den UV-beskyttede siden av platen.



Den gjennomsiktige beskyttelsesfilmen på 1,2 mm veggplater viser til den siden av platen som ikke er UV-beskyttet.

Takplater 4,0 mm



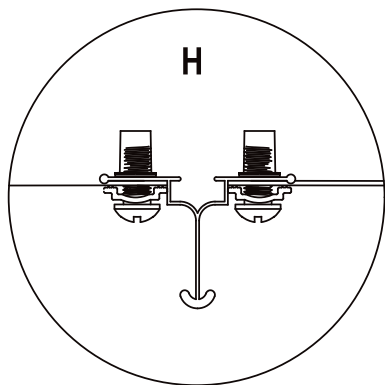
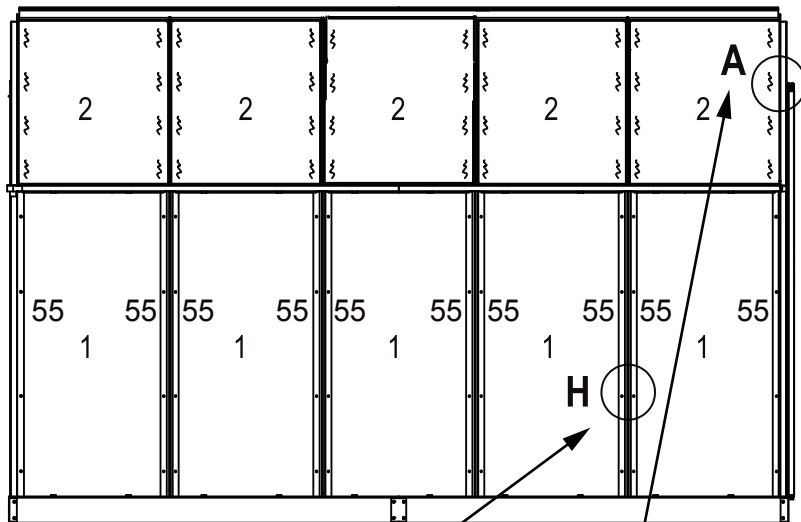
Den hvite beskyttelsesfilmen på 4,0 mm takplater viser til den UV-beskyttede siden av platen.



Den gjennomsiktige beskyttelsesfilmen på 4,0 mm takplater viser til den siden av platen som ikke er UV-beskyttet.

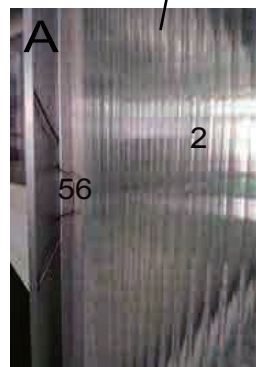
MONTERING AV HØYRE SIDEVEGGPLATE OG TAKPLATE

Art. Nr.	Antall	Bilde	Størrelse (mm)
55	10STK.		1213
56	40STK.		
47	40STK.		M5 * 10
1	5STK.		
2	5STK.		



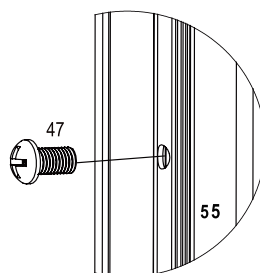
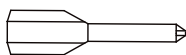
bilde av montering av den gjennomsiktige veggplaten

bilde av montering av 4 mm takplate



Bruk av nummer 56 klips for å feste takplaten

Bruk et verktøy for å stramme skrue nummer 47



Takplater 4,0 mm



Den hvite beskyttelsesfilmen på 4,0 mm takplater viser til den UV-beskyttede siden av platen.

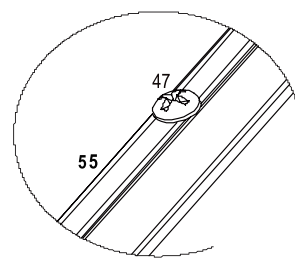
Veggplater 1,2 mm



Den hvit beskyttelsesfilmen på 1,2 mm veggplater viser til den UV-beskyttede siden av platen.



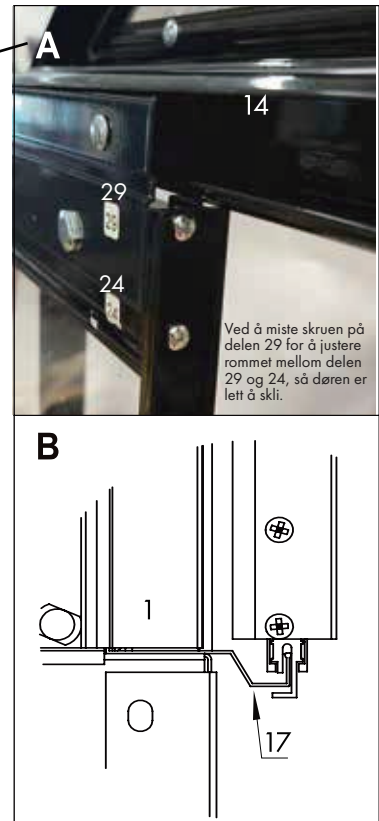
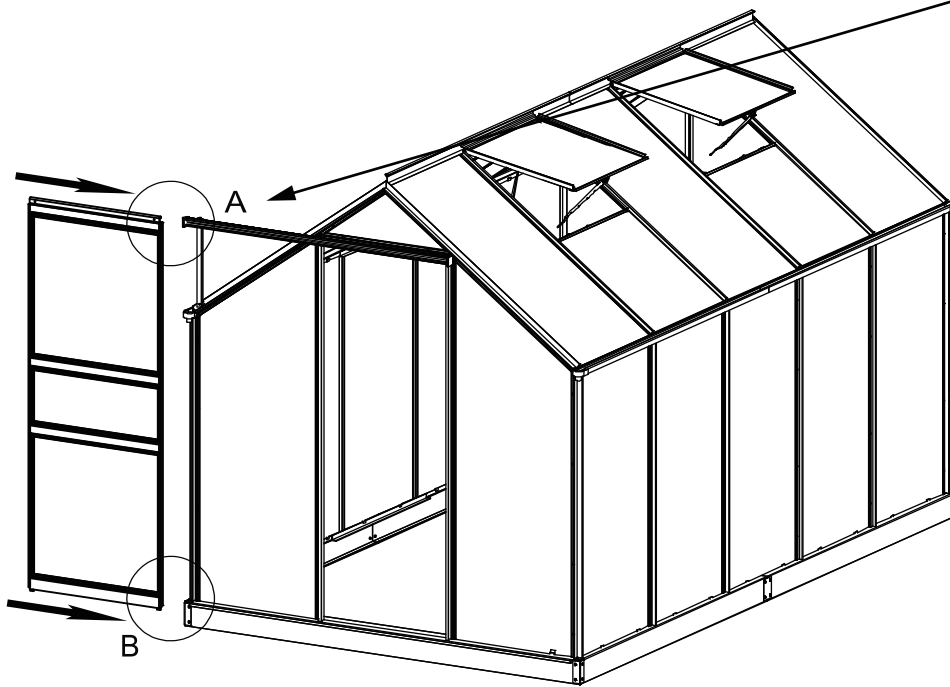
Den gjennomsiktige beskyttelsesfilmen på 1,2 mm veggplater viser til den siden av platen som ikke er UV-beskyttet.



Den gjennomsiktige beskyttelsesfilmen på 4,0 mm takplater viser til den siden av platen som ikke er UV-beskyttet.

Hjulene skal monteres på den tilsvarende skinnen

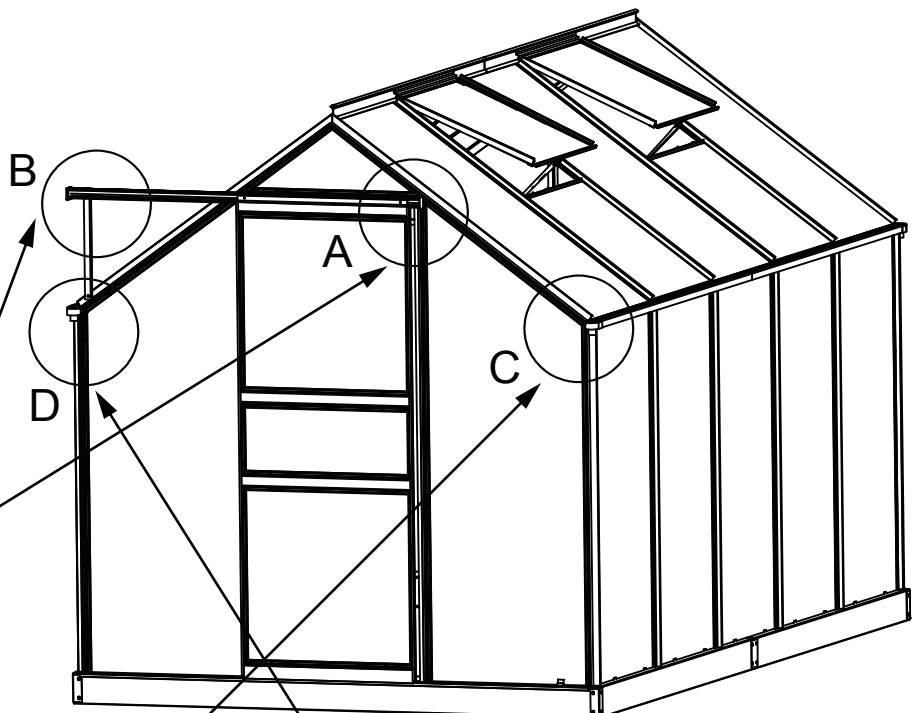
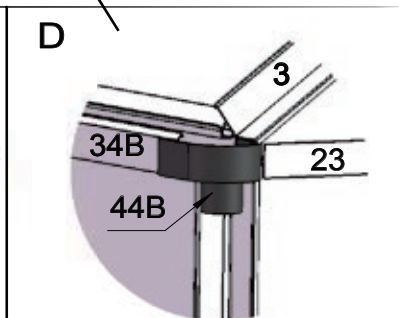
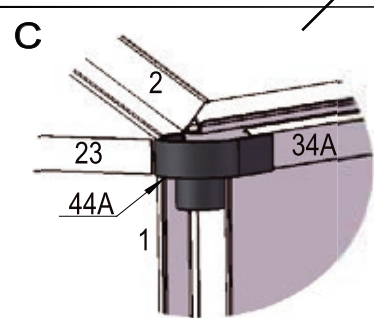
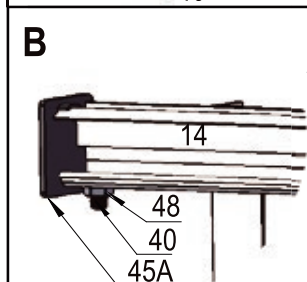
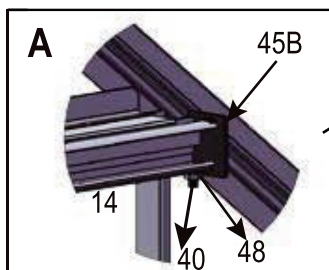
FESTING AV SKYVEDØREN



MONTER TAKRENNEN

Den nederste plastdelen klikker inn i skinnespalte nummer 17

Art. Nr.	Bilde	Antall
40		2STK.
44A		2STK.
44B		2STK.
45A		1STK.
45B		1STK.
48		2STK.



Vedlikehold:

Ikke la plantene som vokser opp til taket komme for nær takkonstruksjonene. For mye vekt på taket kan skade drivhuskonstruksjonen, spesielt hvis det blåser eller regner kraftig. Fjern bladene fra taket, de kan svekke lysoverføringen gjennom platene. Hold drivhusets tak rent for is og snø. Plasser eventuelt en støttestolpe inn i drivhuset om vinteren for å støtte taket. Ved uvær skal du sørge for at drivhuset er godt festet i bakken og at takluken og døren forblir lukket. Om nødvendig fest drivhuset til nærliggende trær med et sterkt tau eller kabel.

Sjekk regelmessig at skruene på rammen forblir stramme. Unngå å treffe veggen og polykarbonatplatene med skarpe gjenstander. Hvis det er et kutt eller et hull i platen, kan du fikse det med lim eller gjennomsiktig tape.

Hold polykarbonatplatene rene slik at lyset kan passere godt gjennom dem. Vanligvis skal polykarbonatplater skiftes ut hvert 5.-10. år, hvis du merker at lysoverføringsevnen deres har blitt svekket.

Asukoht

- Ärge paigaldage kasvuhoonet kohta, kus puhub väga tugev tuul.
- Valige päikeseline ja tasane koht, kus pole suuri puid.

Kokkupanek

- Soovitame kasvuhoone kokkupanekul kanda kindaid ja kaitseprille.
- Hoidke lapsed paigaldusalast eemal.
- Ärge paigaldage kasvuhoonet sinna, kus on pidevalt tuuline või niiske.
- Kokkupanekuks vajate tööriistadest vähemalt elektrikruvikeerajad/-trelli ja mõõdulinti.
- Kasvuhoone täielikuks kokkupanekuks kulub 2–3 päeva.
- Mõne etapi jaoks on vaja kaht inimest.
- Hoidke väikesed osad (kruvid jmt) karpides ja kottides, et need ei läheks kaduma.
- Igal osal on number ja see on näidatud ka kokkupanekujuhendis.
- Kõigepealt koguge sama numbriga osad ühte kohta kokku.
- Esimesena ehitatakse kasvuhoone alumiiniumkarkass ja viimasena paigaldatakse PC-paneelid.
- Seinte jaoks kasutatakse läbipaistvaid PC-paneele ja katusel õõnsaid PC-paneele.
- Kile kaitseb PC-paneeli ja see tuleks eemaldada alles paneeli paigaldamisel.
- Keerake kruvid täielikult kinni alles siis, kui olete kindel, et olete kõik osad õigesti kokku pannud.
- Veenduge, et kasvuhoone oleks piisavalt kindlalt maasse kinnitatud.
- Käideldge polükarbonaadist seina- ja katusepaneele eriti ettevaatlikult, et neid kokkupaneku ajal mitte kriimustada.
- Nõuanne! Kui soovite, siis võite sulgeda 4 mm katuseahvlite otsas olevad avaused läbipaistva teibiga (teipi pole kaasas), et niiskus ega mustus ei satuks tahvli sisse. See säilitab katuseahvli head valguse läbilaskvust ja teeb need vastupidavamaks.

Enne polükarbonaadist seina- ja katuseahvlite kohale paigaldamist eemaldage nendelt kaitsekiled. Kaitsekile värvus näitab, kumb tahvli külg on UV-vastase kaitsega (paigaldada päikese suunas). Vt allpool.

Seinatahvlid 1,2 mm

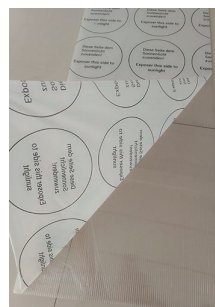


Valge kaitsekile 1,2 mm seinatahvil näitab, et see on tahvli UV-vastase kaitsega külg.



Läbipaistev kaitsekile 1,2 mm seinatahvil näitab, et see on tahvli UV-vastase kaitseta külg.

Katuseahvlid 4,0 mm

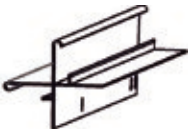
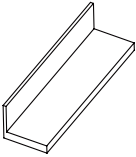
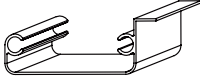
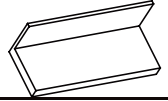
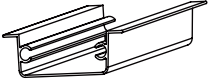
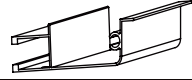
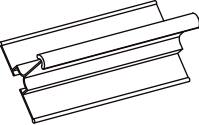
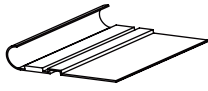
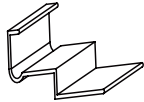
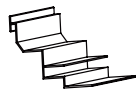
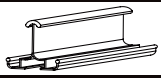
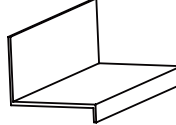
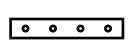
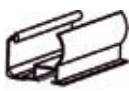
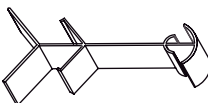
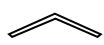
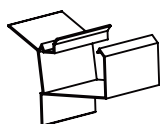
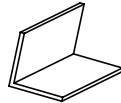
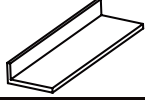
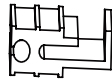


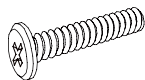
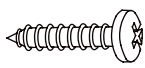
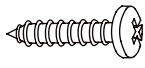
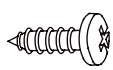
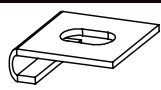
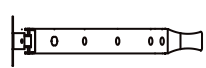
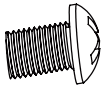
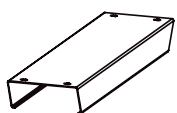
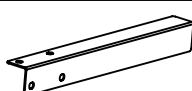
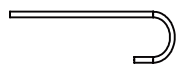
Valge kaitsekile 4,0 mm katuseahvil näitab, et see on tahvli UV-vastase kaitsega külg.



Läbipaistev kaitsekile 4,0 mm katuseahvil näitab, et see on tahvli UV-vastase kaitseta külg.

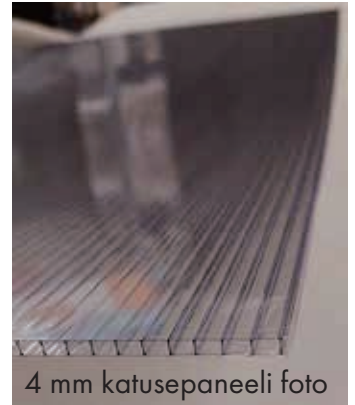
Montaažiteemalist õppevideot saab vaadata K-Rauta.fi e-poe tootelehel

Osa nr	Pilt	Kogus	Mõõtmed (mm)		Osa nr	Pilt	Kogus	Mõõtmed (mm)
1		4	1215		22		4	1304
2		1	1134		23		2	594
3		1	1134		24		1	610
4		1	1134		25		2	1304
5		1	1134		26		2	610
6		1	1647		27		1	610
7		1	1647		28		4	520
8		1	1675		29		1	608
9		1	1675		30		2	590
10		8	1215		31		2	590
11		8	1114		32A		2	1508
12		1	603		32B		2	1508
13		4			32C		2	170
14		1	1250		33		1	1506
15		2	634		33A		1	1506
16		1	1822		33C		1	170
17		1	1822		34A		2	1508
18		4			34B		2	1508
19		1	380		34C		2	170
20		2	1608		35		1	563
21		1	1814		36		2	

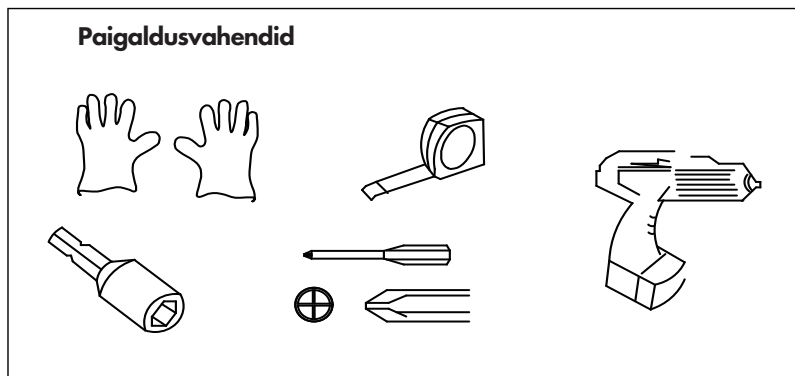
Osa nr	Pilt	Kogus	Mõõtmed (mm)		Osa nr	Pilt	Kogus	Mõõtmed (mm)
37		1			52		6	609
38		1	M6*30		53		4	565
39		2			54		2	215
40		169	M6*10		55		24	1213
41		14	M5*18		2A		1	695
41A		2	M4*18		2B		1	355
42		12	M4*8		3A		1	695
43		20			3B		1	355
44A		2			4A		1	695
44B		2			4B		1	355
45A		1			5A		1	695
45B		1			5B		1	355
46		2			6A		1	1645
47		174	M5*8		7A		1	1645
48		170	M6		8A		1	1645
49		2	1884		8B		1	1650
49A		4	1538		9A		1	1645
49B		2			9B		1	1650
50		4	199		12A		1	540
51		8			56		72	
					57		50	

PC-PANEELID

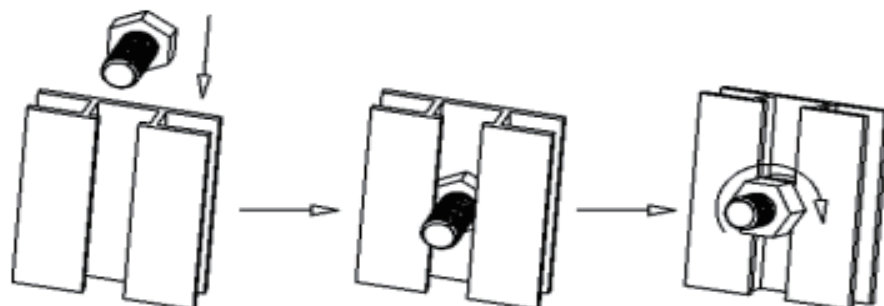
Osa nr	Kogus	Pilt	Mõõtmed (mm)	
1	11TK		590x1212	läbipaistev 1,2mm seinapaneel
2	8TK		605 x 1130	4mm katusepaneel
3A	1TK		590x1653	läbipaistev 1,2mm seinapaneel
3B	1TK		590x1653	läbipaistev 1,2mm seinapaneel
3C	1TK		590x1653	läbipaistev 1,2mm seinapaneel
3D	1TK		590x1653	läbipaistev 1,2mm seinapaneel
4	2TK		605 x 585	4mm katusepaneel
5	2TK		595 x 550	4mm katusepaneel
6	1TK		590x660	läbipaistev 1,2mm seinapaneel
7	1TK		610x245	läbipaistev 1,2mm seinapaneel
8	1TK		590x225	läbipaistev 1,2mm seinapaneel
9	2TK		610x602	läbipaistev 1,2mm seinapaneel



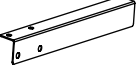
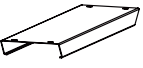
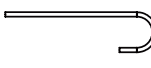
Soovitame kaitsekiled eemaldada pärast paneeli kasvuhoone raamis oma kohale paigaldamist, et saaksite järege pidada, kumb pool on UV-kaitsega, ja küljed ei läheks kokkupanemisel segamini. Enne paneeli paigaldamist alumiiniumraami sisse tuleb eemaldada paneeli kõigist servadest u 5 cm kaitsekilet, nii et kile ei jääks kruvide ja alumiiniumraami alla. Kui paneel on raami sisse kinnitatud, saate kaitsekile täielikult maha rebida.



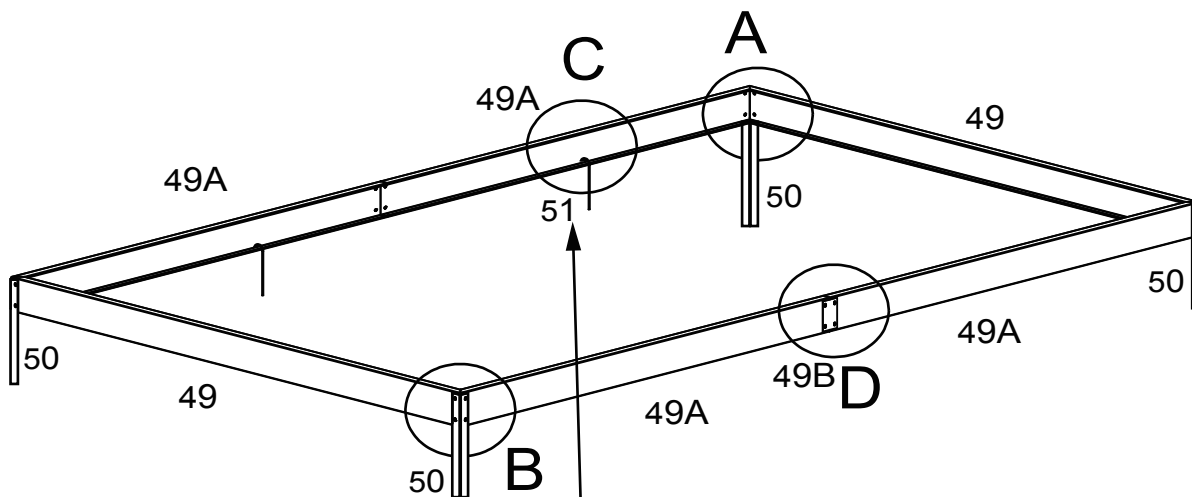
Nii libistate kruvid alumiiniumraami soontesse.



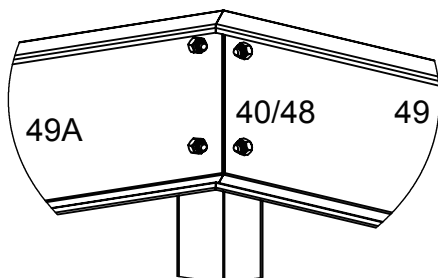
ALUSE KOKKUPANEK

Osa nr	Kogus	Pilt	Osa nr	Kogus	Pilt
40	24TK		49B	2TK	
48	24TK		50	4TK	
49	2TK		51	8TK	
49A	4TK				

BOsa nr 49 kinnitamiseks kasutage osa nr 50, seejärel kinnitage see väljastpoolt nr 40 kruviga. Kinnitage see nr 48 mutriga ja kasutage selle maapinda kinnitamiseks nr 51 vaia. Osa nr 50 tuleb panna maasse kogupikkuses, et kasvuhoone alus püsiks kindlalt paigal.

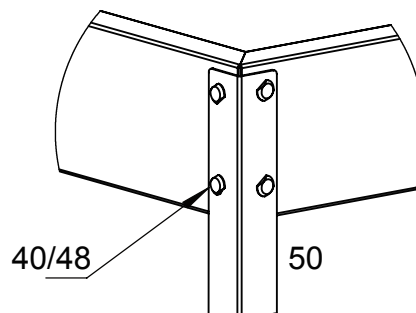


A



Osa A on sisemine külg, pöörake tähelepanu osade nr 40 ja 48 kokkupanemisele.

B



Osa B jääb väljapoole, pöörake tähelepanu osa nr 40 kokkupanemisele.

C



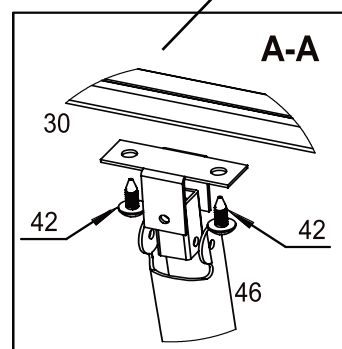
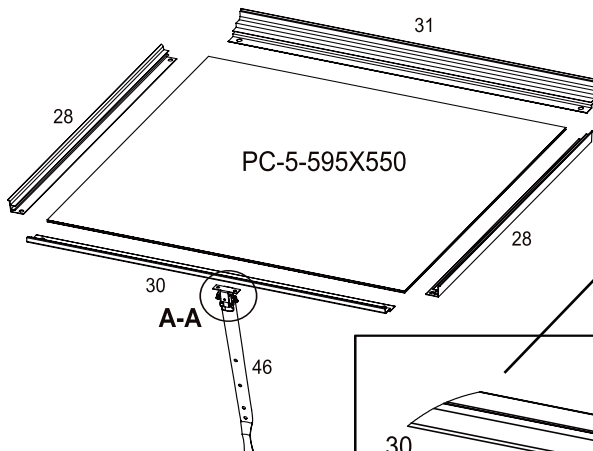
Osa C on sisemine külg, pöörake tähelepanu sellele, kuidas paigaldada osa nr 51.

Montaažiteemalist õppevideot saab vaadata K-Rauta.fi e-poe tootelehel

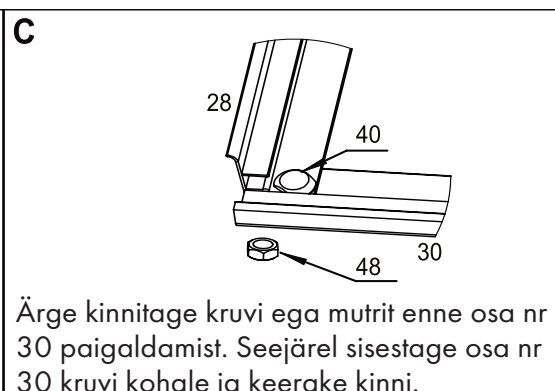
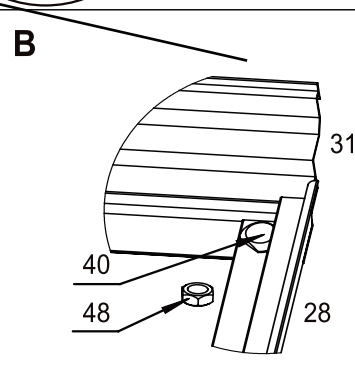
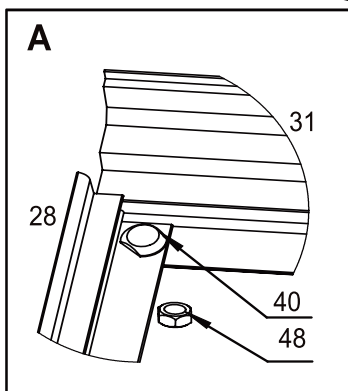
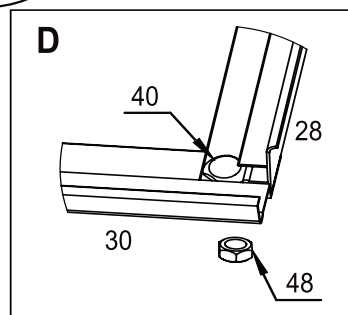
KATUSEAKNA KOKKUPANEK

Osa nr	Kogus	Pilt	Mõõtmed (mm)
28	4TK		520
30	2TK		590
31	2TK		590
40	8TK		
42	4TK		
46	2TK		
48	8TK		
5	2TK		595 x 550

Paigutage suurendatud skeemid nagu alloleval pildil, sisestage nr 40 kruvid ülalt alla, pange esmalt kokku osad nr 28 ja 31, seejärel paigaldage paneel nr 5 ning järgmisena osa nr 30.



B Kinnitage kronstein kruvidega selleks mõeldud kohale.

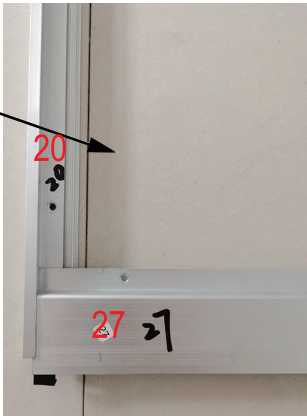
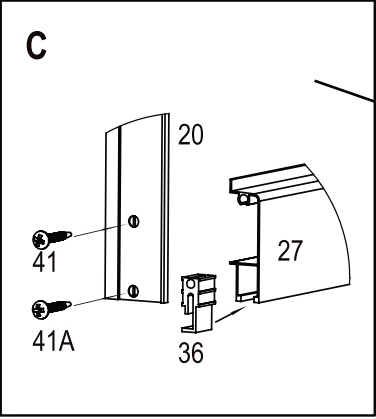
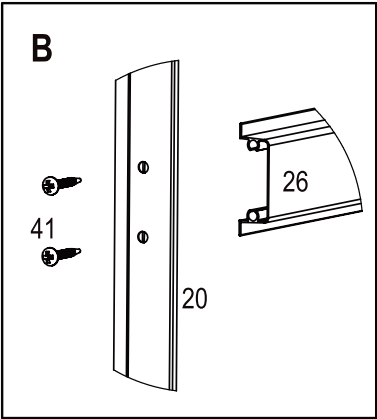
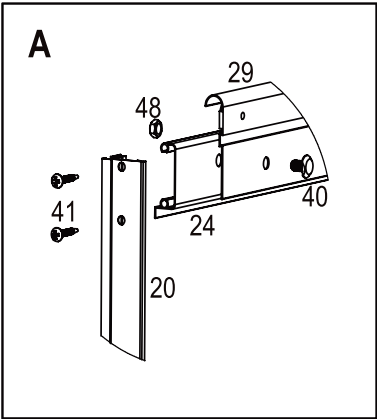
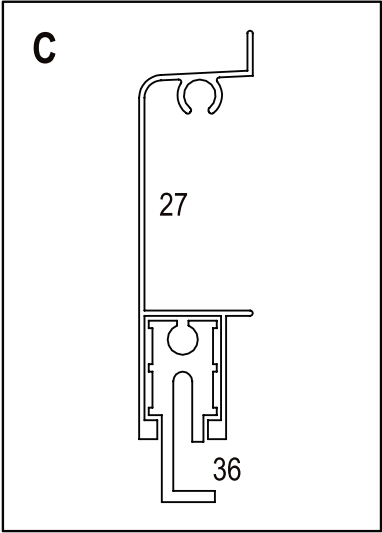
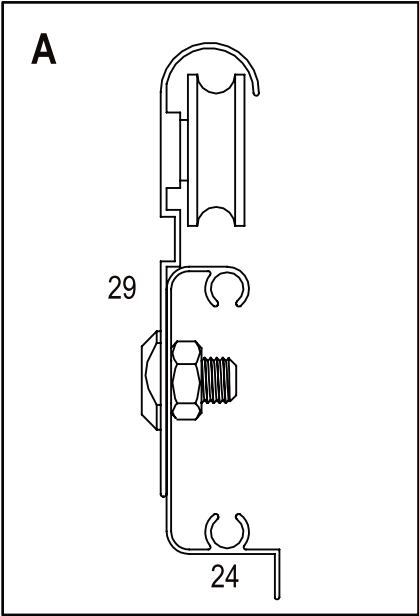
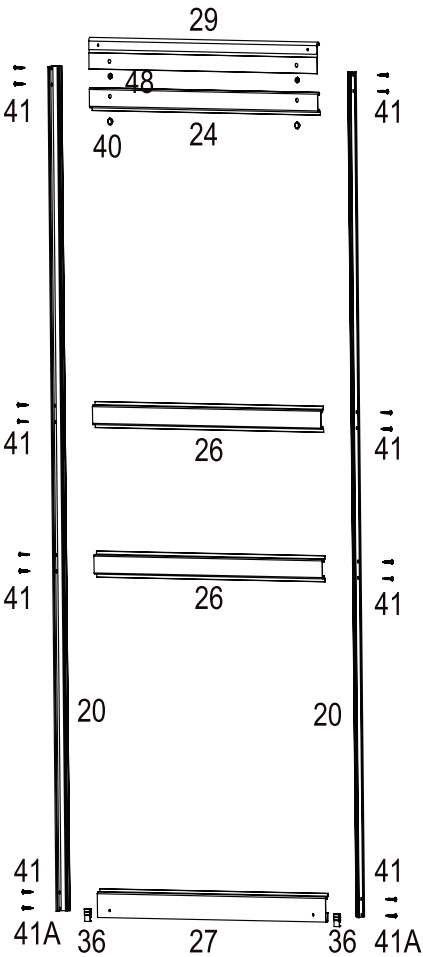
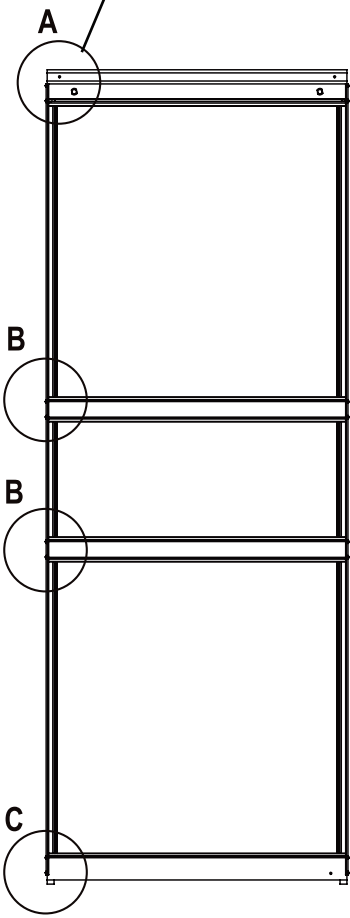
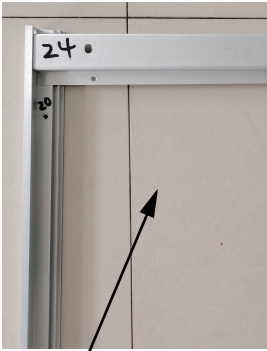


Ärge kinnitage kruvi ega mutrit enne osa nr 30 paigaldamist. Seejärel sisestage osa nr 30 kruvi kohale ja keerake kinni.

UV-kaitsega valge kaitsekile peaks jääma päikese poole.
UV-kaitseta valge kaitsekile peaks jääma kasvuhoone sisse.

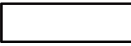
LÜKANDUKSE RAAMI KOKKUPANEK

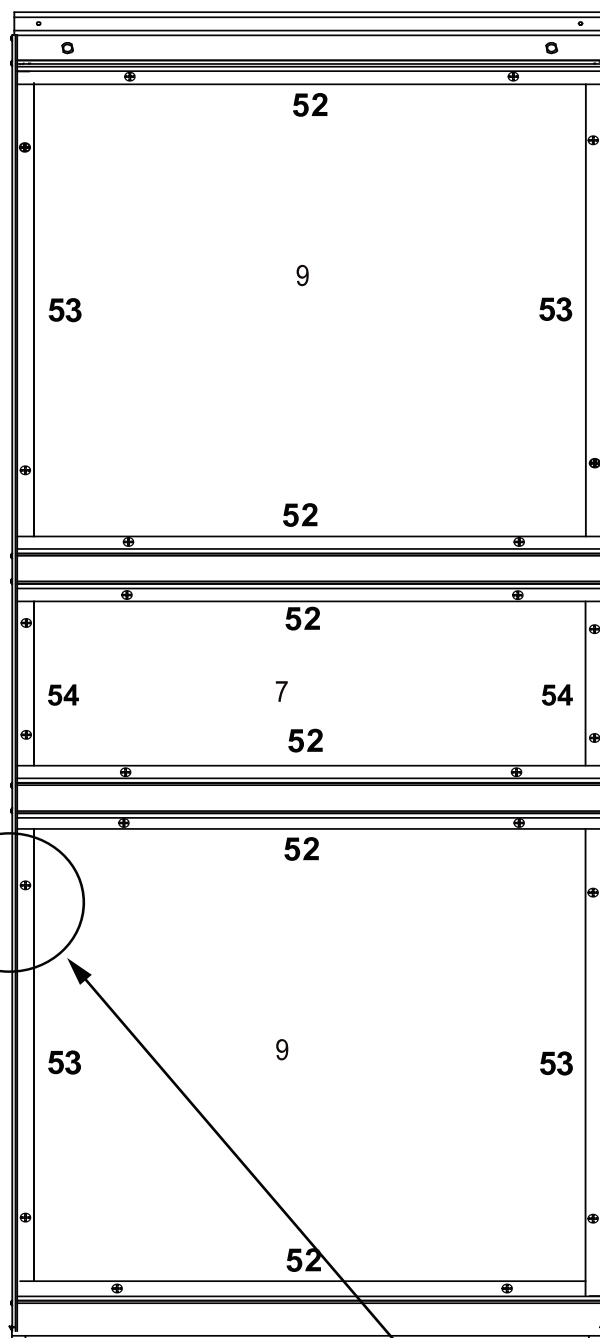
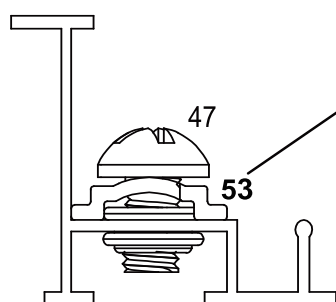
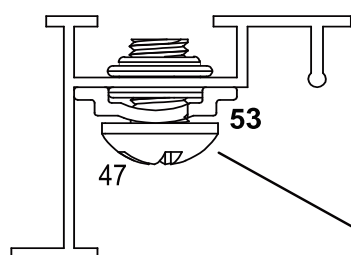
Osa nr	Kogus	Pilt	Mõõtmed (mm)
20	2TK		1608
24	1TK		610
26	2TK		610
27	1TK		610
29	1TK		605
36	2TK		
40	2TK		
41	14TK		
41A	2TK		
48	2TK		



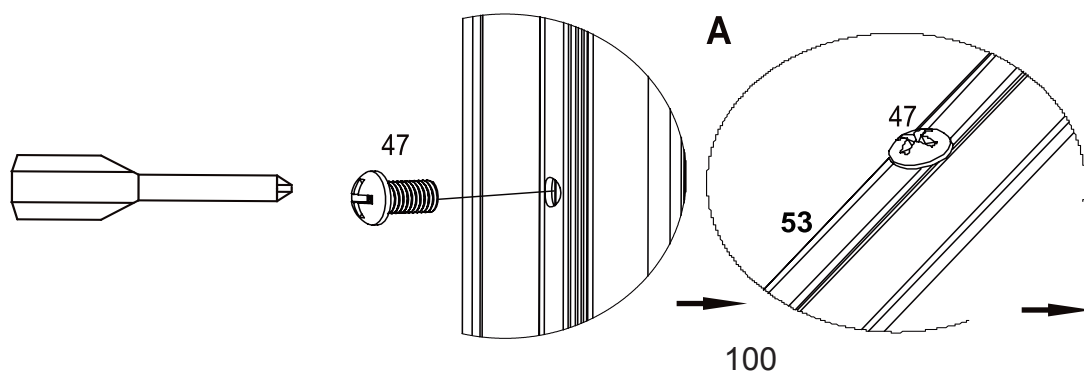
UV-kaitsega valge kaitsekile peaks jääma päikese poole. Valge kaitsekile on UV-kaitseta. Soovitame kaitsekiled eemaldada pärast paneeli kasvuhoone raamis oma kohale paigaldamist, et saaksite järele pidada, kumb pool on UV-kaitsega, ja küljed ei läheks kokkupanemisel segamini.

LÜKANDUKSE PANEELI PAIGALDAMINE

Osa nr	Kogus	Pilt
47	24TK	
52	6TK	
53	4TK	
54	2TK	
7	1TK	
9	2TK	

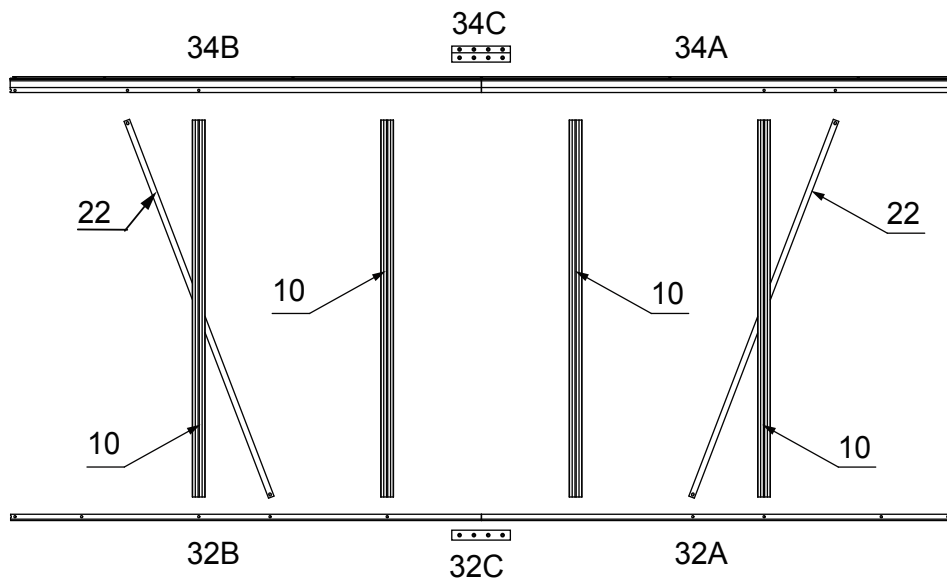


Kasutage kruvi nr 47 kinnitamiseks sobivat tööriista.

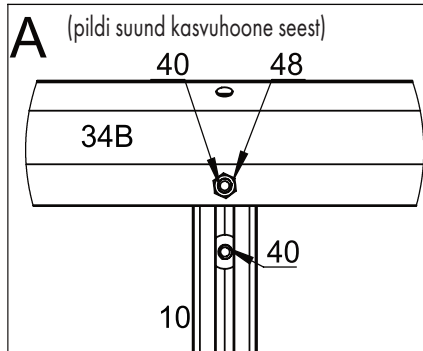


VASAKPOOLSE (UKSELT VAADATUNA) SEINA KOKKUPANEK

Osa nr	Kogus	Pilt	Mõõtmed (mm)
10	4TK		1215
22	2TK		1304
32A	1TK		1508
32B	1TK		1508
32C	1TK		170
34A	1TK		1508
34B	1TK		1508
34C	1TK		170
40	26TK		
48	26TK		



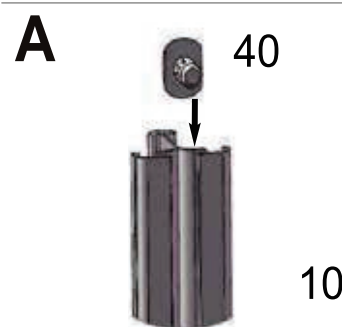
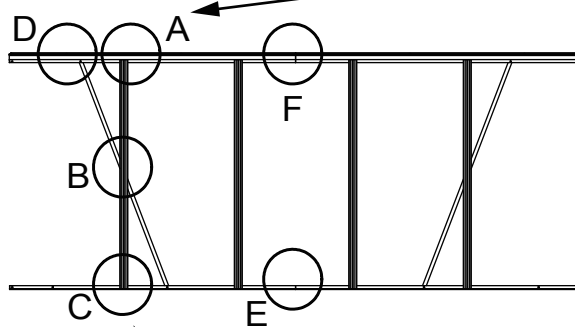
Kinnitage kruvi esmalt mutriga, kuid ärge keerake seda osade nr 32 ja 34 külge kinni. Sisestage osa nr 10 osade nr 32 ja 34 külge kinnitatud kruvi juurde ja seejärel lukustage see poldiga nr 10, nagu on näidatud joonisel A.



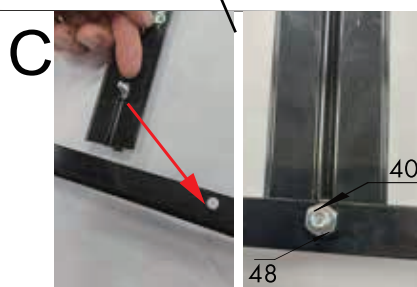
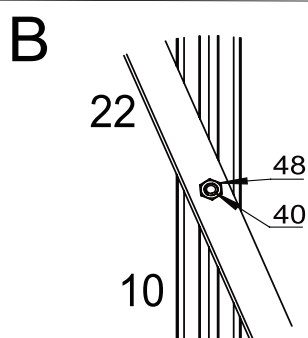
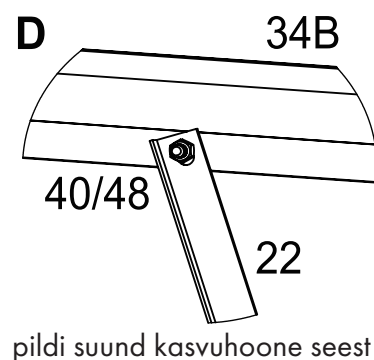
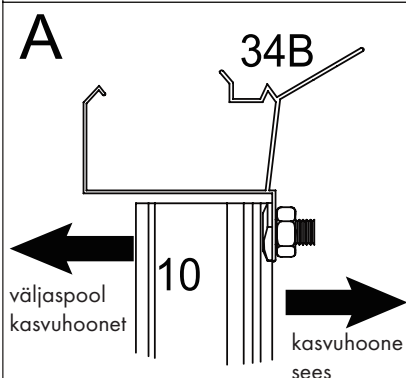
Asetage üks kruvi soonde enne ülemise siini kinnitamist, et kinnitada kõigepealt osa nr 22.

Enne osade nr 32 ja 34 paigaldamist keerake kruvid kinni.

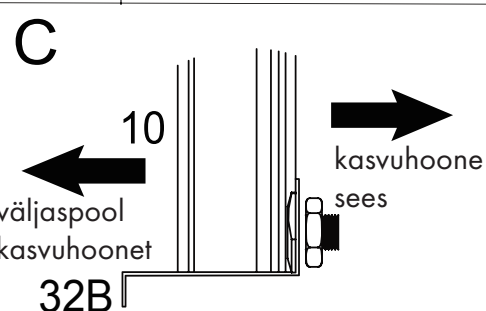
Külgsein kasvahoone seest vaadatuna



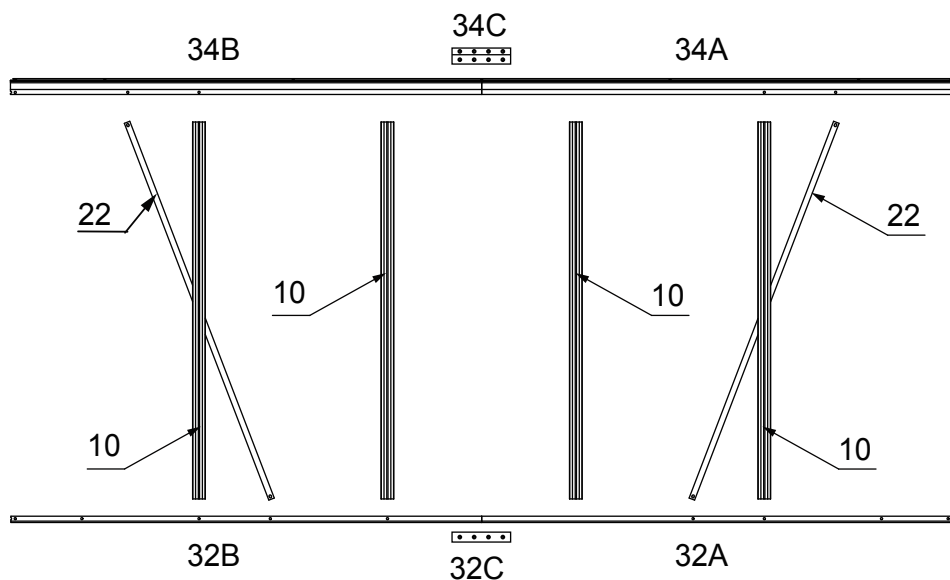
Pöörake tähelepanu sellele, kuidas kruvi sisestada.



Joonis C: osa nr 10 kinnitamine osa nr 32A külge



PAREMPOOLSE (UKSELT VAADATUNA) SEINA KOKKUPANEK



Kinnitage kruvi esmalt mutriga, kuid ärge keerake seda osade nr 32 ja 34 külge kinni. Sisestage osa nr 10 osade nr 32 ja 34 külge kinnitatud kruvi juurde ja seejärel lukustage see poldiga nr 10, nagu on näidatud joonisel A.

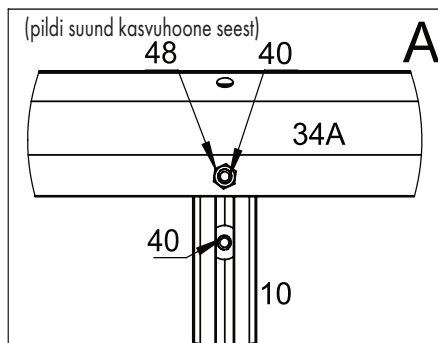
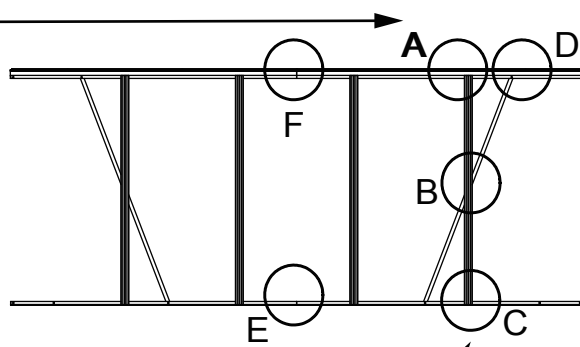
Külgeinte raamide kokkupanek

Osa nr	Kogus	Pilt	Mõõtmed (mm)
10	4TK		1215
22	2TK		1304
32A	1TK		1508
32B	1TK		1508
32C	1TK		170
34A	1TK		1508
34B	1TK		1508
34C	1TK		170
40	26TK		
48	26TK		

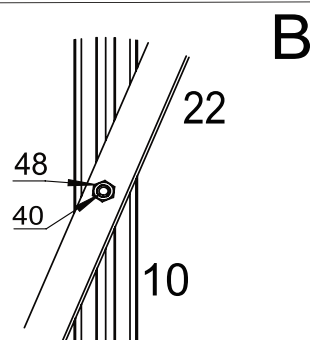
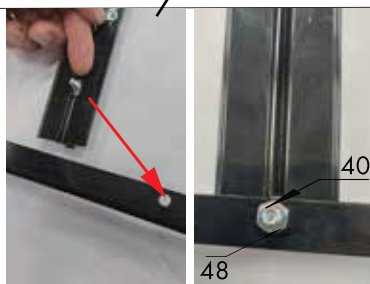
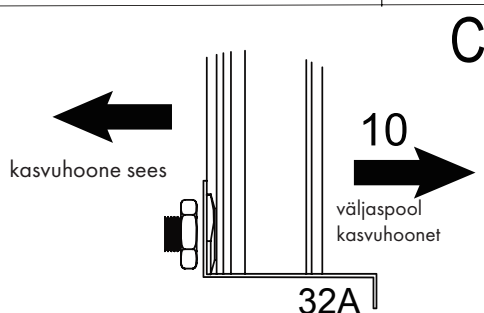
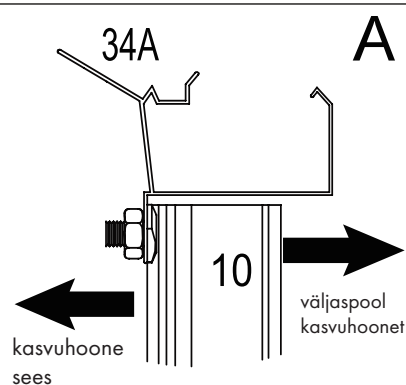
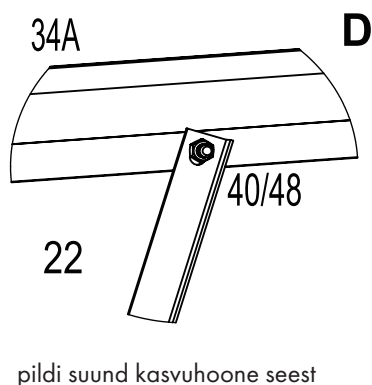


Enne osade nr 32 ja 34 paigaldamist keerake kruvid kinni.

Külgein kasvahoone seest vaadatuna



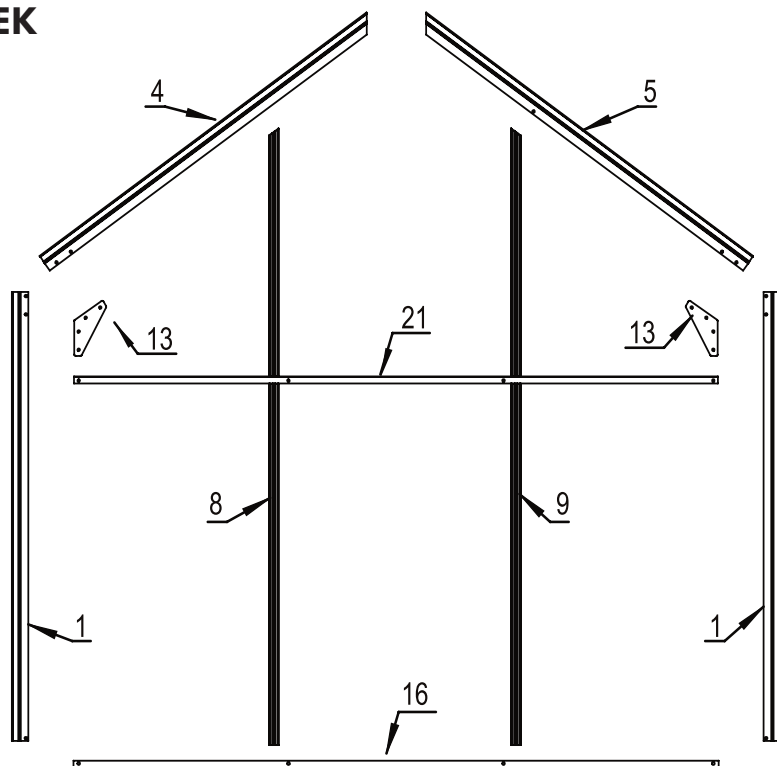
Asetage üks kruvi soonde enne ülemise siini kinnitamist, et kinnitada kõigepealt osa nr 22.



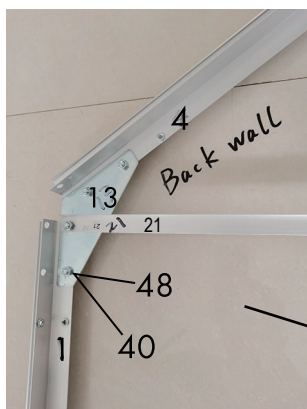
TAGASEINA RAAMI KOKKUPANEK

Osa nr	Kogus	Pilt	Mõõtmed (mm)
1	2TK		1215
4	1TK		1134
5	1TK		1134
8	1TK		1670
9	1TK		1670
13	2TK		
16	1TK		1822
21	1TK		1814
40	16TK		
48	16TK		

Tagasein seestpoolt vaadatuna



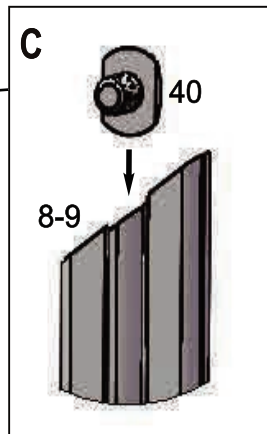
A



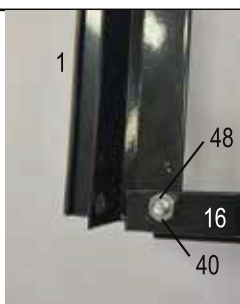
Kruvid kinnitatakse seestpoolt mutritega.

Tagasein seestpoolt vaadatuna

Palun sisestage kõigepealt üks kruvi.



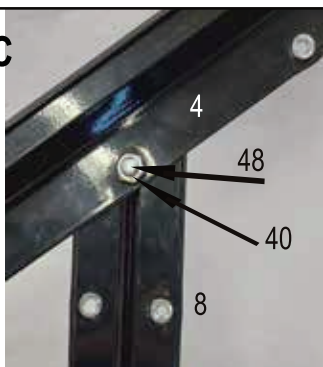
B



pildi suund kasvuhoone seest

Kinnitage osade C ja E kruvid ja mutrid.

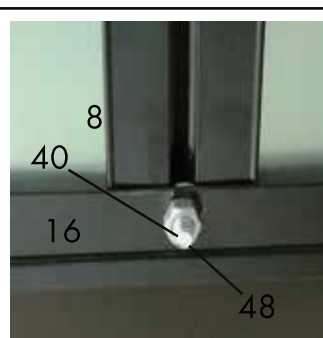
C



D



E

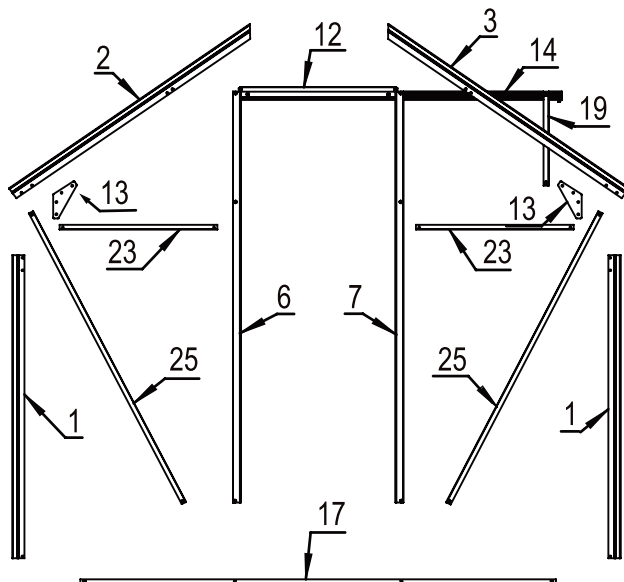


Osa nr 21 kinnitamiseks kasutage eelisestatud kruvi.

EESSEINA RAAMI KOKKUPANEK

Osa nr	Kogus	Pilt	Mõõtmed (mm)
1	2TK		1215
2	1TK		1134
3	1TK		1134
6	1TK		1647
7	1TK		1647
12	1TK		610
13	2TK		
14	1TK		1260
17	1TK		1822
19	1TK		380
23	2TK		594
25	2TK		1304
37	1TK		
38	1TK		
40	21TK		
48	22TK		

Palun pöörake kokkupanemisel tähelepanu osade nr 2 ja 3 suunale.

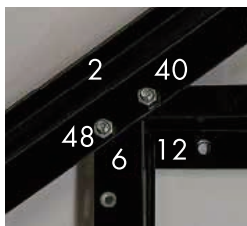


(pildi suund eesukse tagaküljelt)

G

Kinnitage osa nr 19 kruvidega esmalt ülalt, seejärel järgige pilti D, kasutades osi nr 37 ja 38, et fikseerida osa nr 19 täielikult.

A



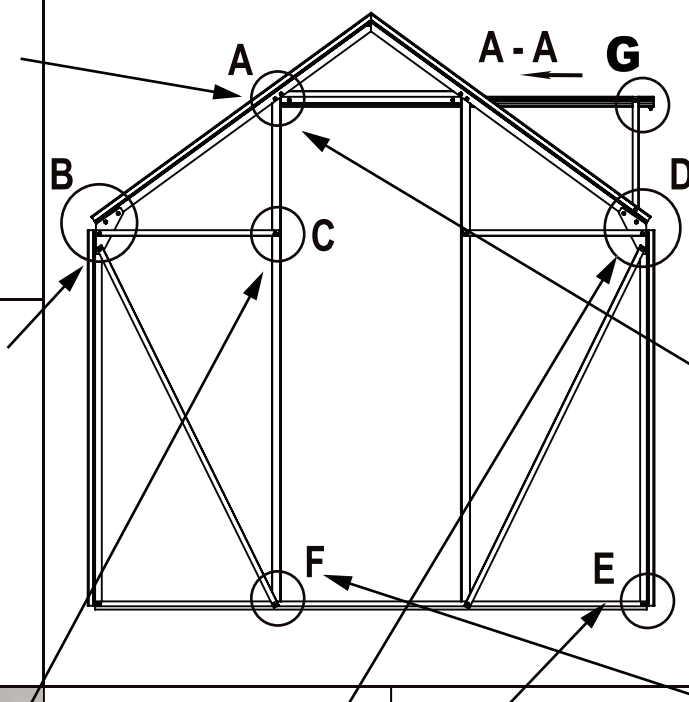
(pildi suund kasvuhoone seest)

B



(pildi suund kasvuhoone seest)

eessein kasvuhoone seest vaadatuna



A - A



osa 14 libisemine osa 12 (pildi suund kasvuhoonest väljastpoolt)

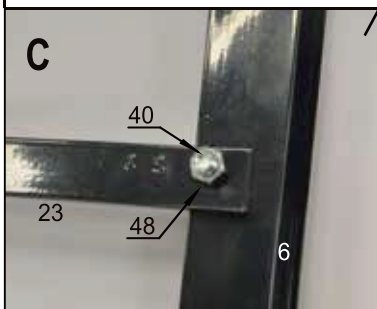
A



(pildi suund kasvuhoonest väljastpoolt)

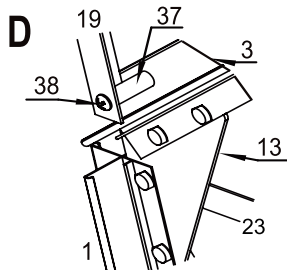
Pilt pärast osa nr 14 paigaldamist

C



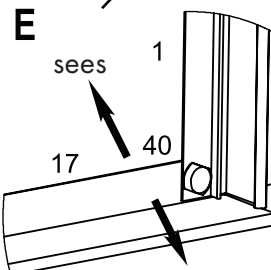
(pildi suund kasvuhoone seest)

D



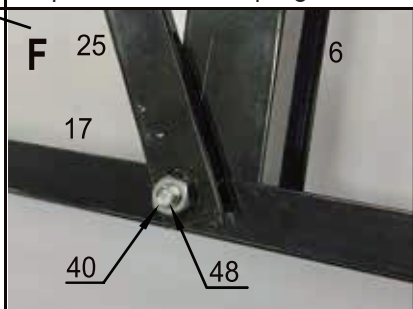
(pildi suund kasvuhoonest väljastpoolt)

E



(pildi suund kasvuhoonest väljastpoolt)

F

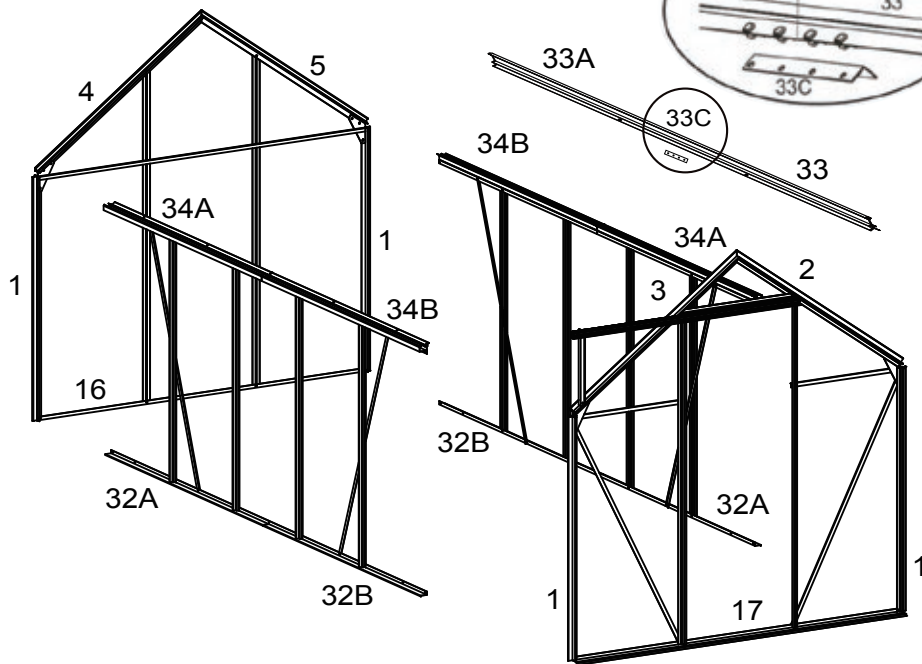
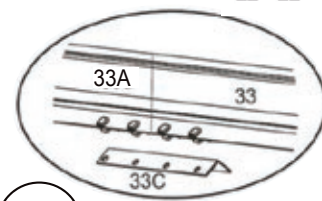


(pildi suund kasvuhoone seest)

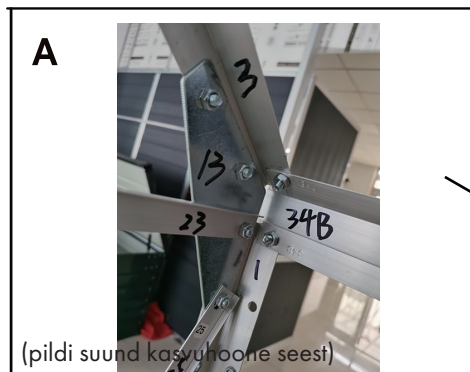
KÜLGSEINTE RAAMI KOKKUPANEK

Osa nr	Kogus	Pilt	Mõõtmed (mm)
33	1TK		1506
33A	1TK		1506
33C	1TK		170
40	24TK		
48	24TK		

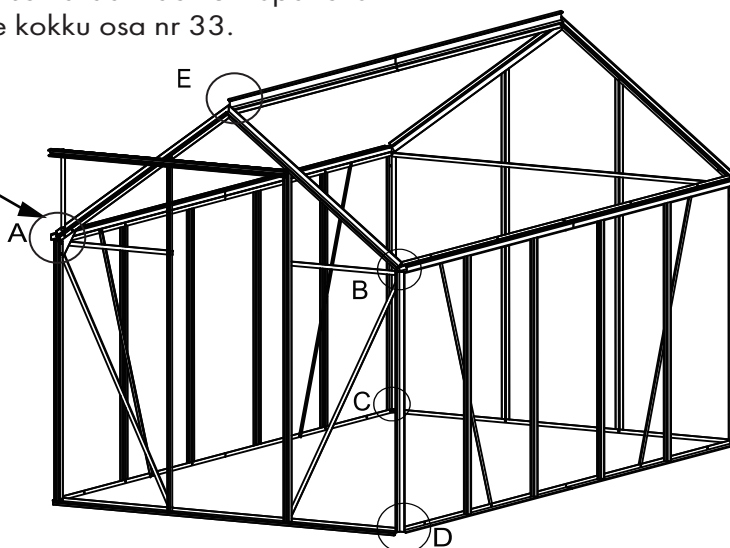
Seinte kinnitamine teineteise külge
Seinaraamid on soovitatav kokku panna
kahe inimesega.



Pöörake tähelepanu allolevale
alumiiniumraami skeemile ja sellele,
kuidas kruvid väljastpoolt kinnitada.

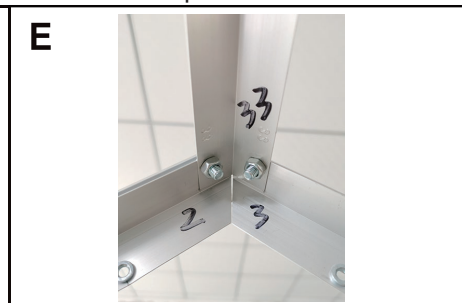
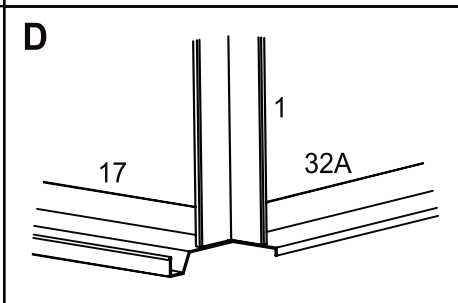
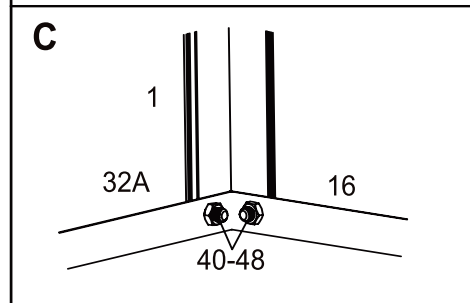


Pärast seinaraamide kokkupanekut
pange kokku osa nr 33.



Kasutage kasvahoone kinnitamiseks
alusega osa nr 43.

Vaadake järgmisel lehel
punkti E.

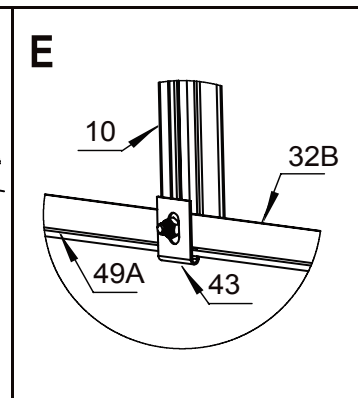
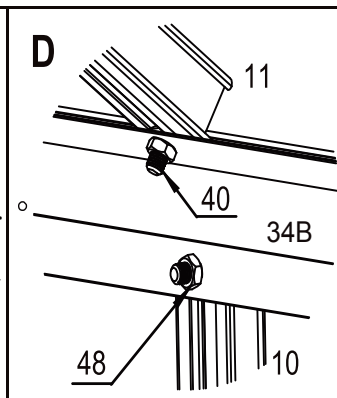
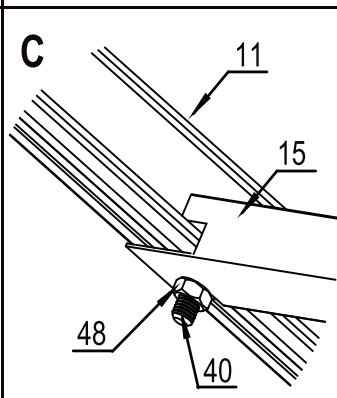
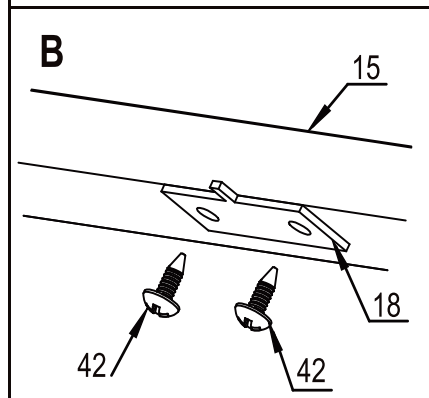
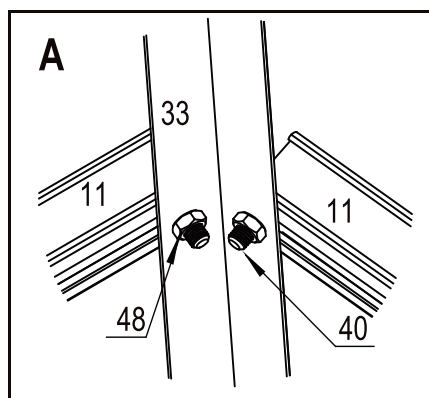
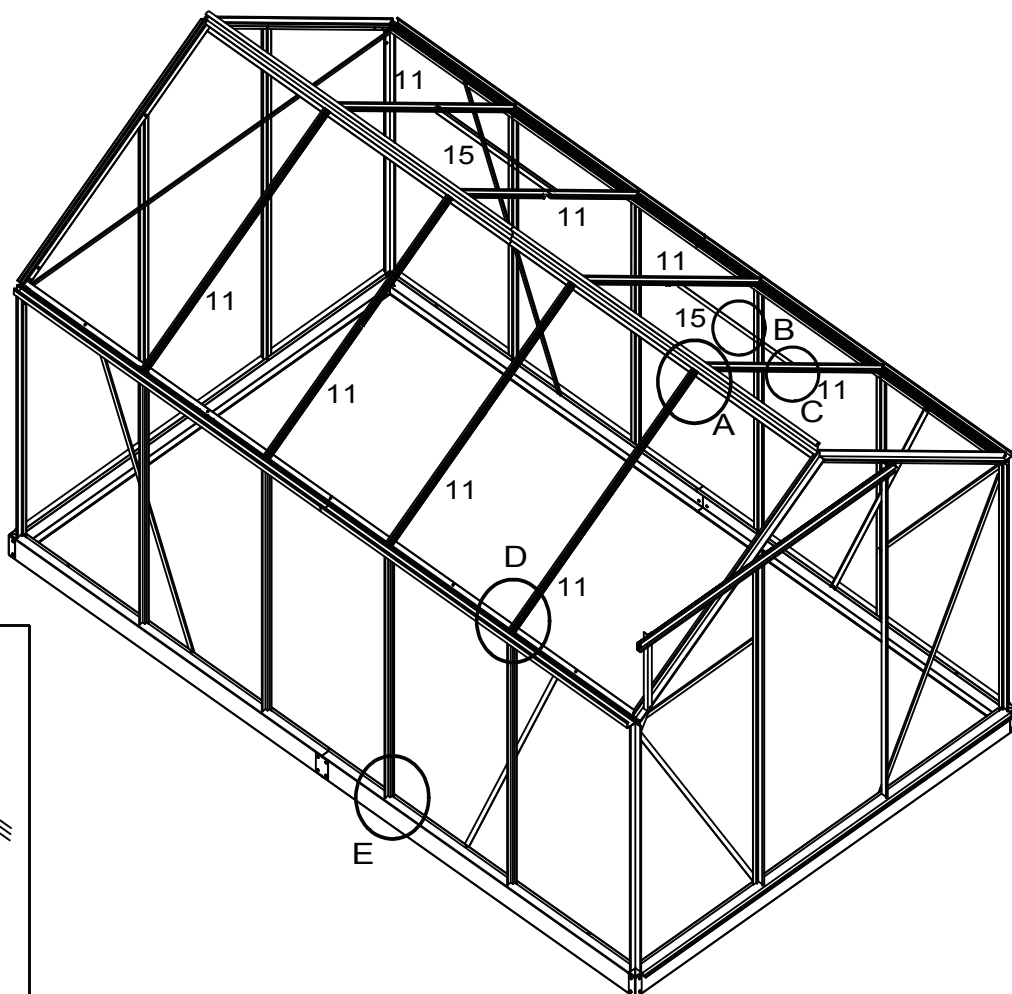


Kasvahoone saavutab lõpliku stabiilsuse pärast kõigi kruvide pingutamist alumiiniumraami
sees ja paneelide paigaldamist. Lõpliku pingutamise saab teha lõpus, kui kõik osad on omal kohal.

KATUSERAAMI KOKKUPANEK

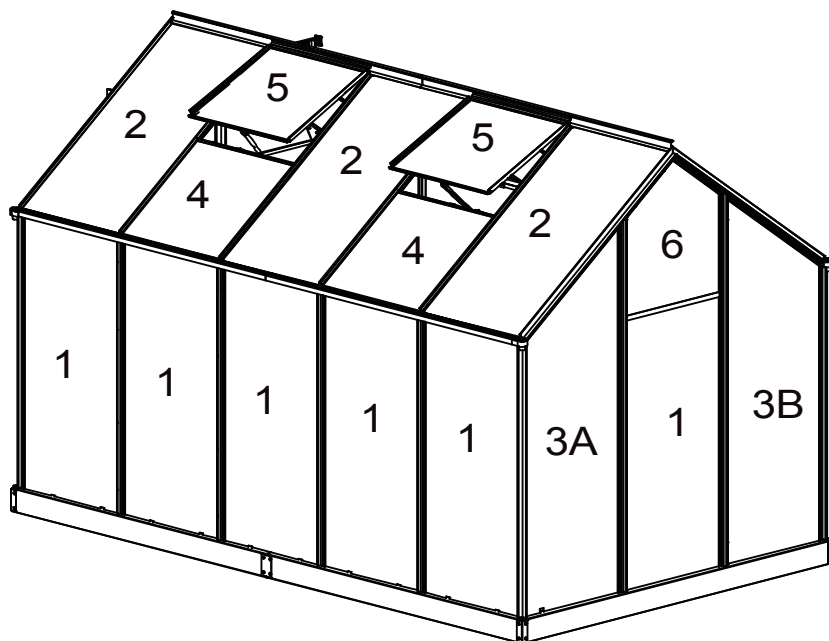


Osa nr	Kogus	Pilt	Mõõtmed (mm)
11	8TK		1114
15	2TK		634
18	4TK		
40	20TK		
42	8TK		
43	20TK		
48	20TK		



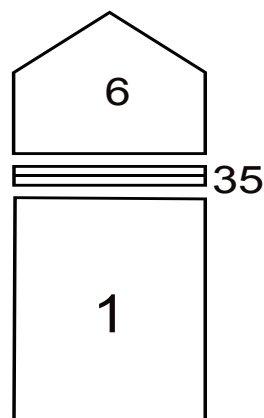
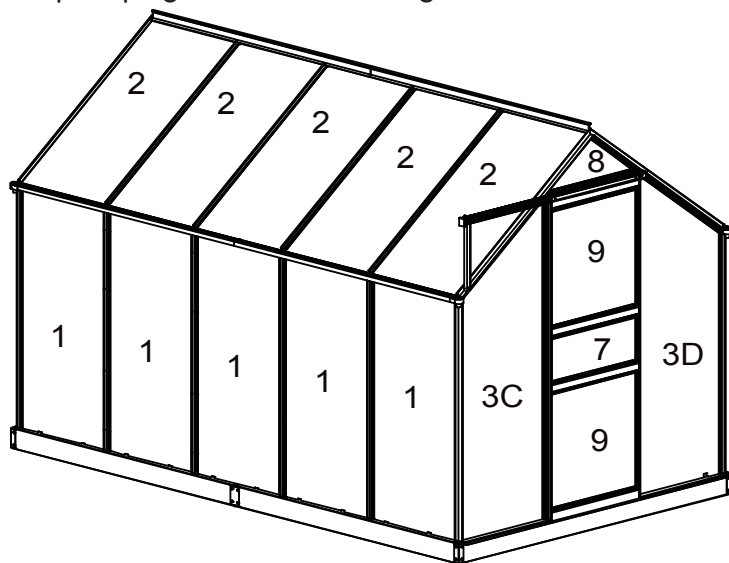
PANEELI PAIGALDAMINE

Osa nr	Kogus	Pilt	Mõõtmed (mm)
1	11TK		590x1212
2	8TK		605 x 1130
3A	1TK		590x1667
3B	1TK		590x1667
3C	1TK		590x1667
3D	1TK		590x1667
4	2TK		605 x 585
5	2TK		595 x 550
6	1TK		590x675
7	1TK		605 x 252
8	1TK		615 x 241
9	2TK		605 x 602
35	1TK		563



Paneeli number osutab paneeli asukohale.

Üksikasjaliku paigalduse leiate lehekülgedelt 109–113



Enne polükarbonaadist seina- ja katuseahvlite kohale paigaldamist eemaldage nendelt kaitsekiled. Kaitsekile värvus näitab, kumb tahvli külg on UV-vastase kaitsega (paigaldada päikese suunas). Vt allpool.

Seinatahvlid 1,2 mm



Valge kaitsekile 1,2 mm seinatahvilil näitab, et see on tahvli UV-vastase kaitsega külg.



Läbipaistev kaitsekile 1,2 mm seinatahvilil näitab, et see on tahvli UV-vastase kaitseta külg.

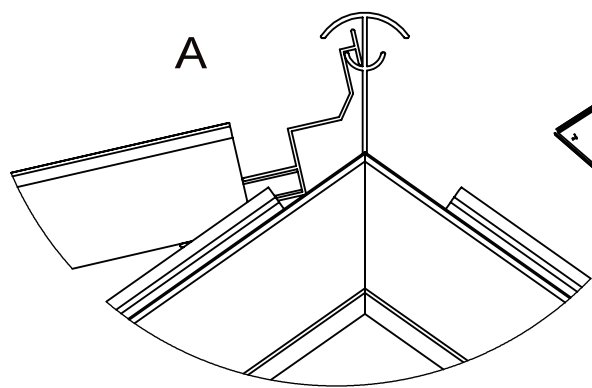
Katuseahvlid 4,0 mm



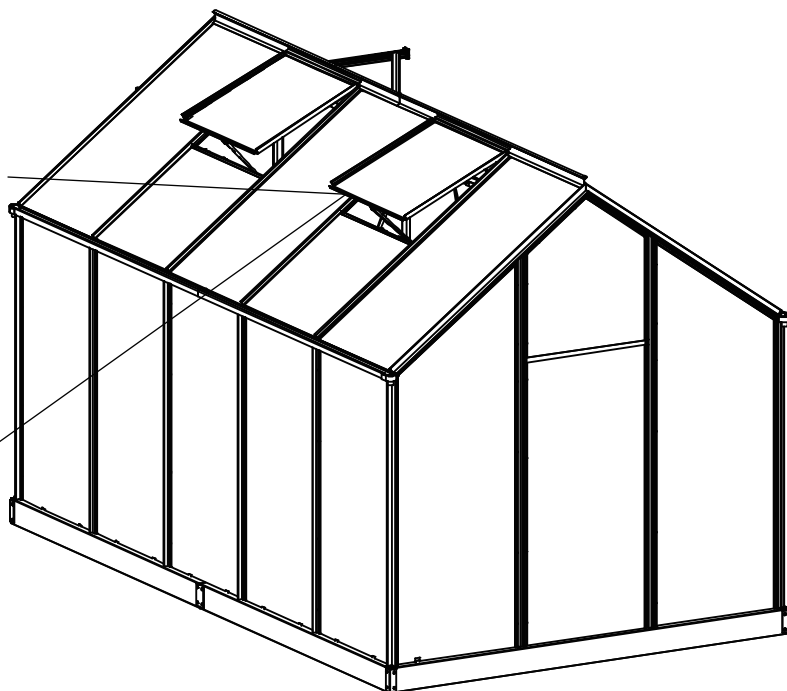
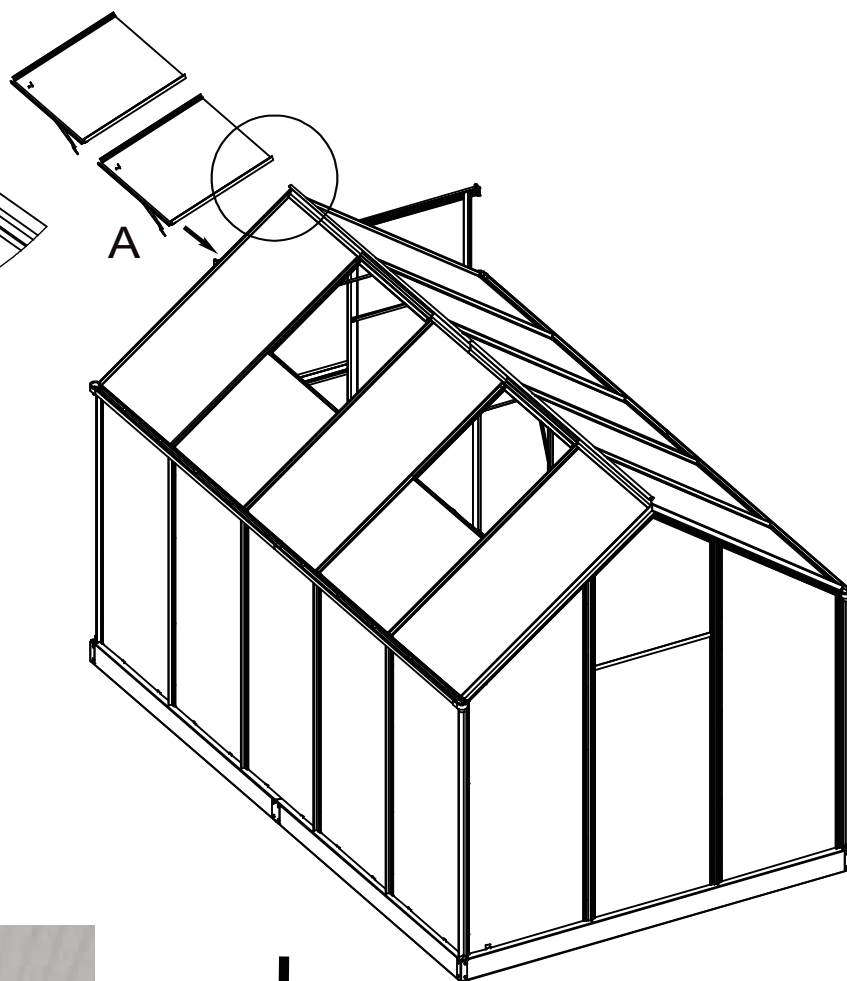
Valge kaitsekile 4,0 mm katuseahvilil näitab, et see on tahvli UV-vastase kaitsega külg.



Läbipaistev kaitsekile 4,0 mm katuseahvilil näitab, et see on tahvli UV-vastase kaitseta külg.

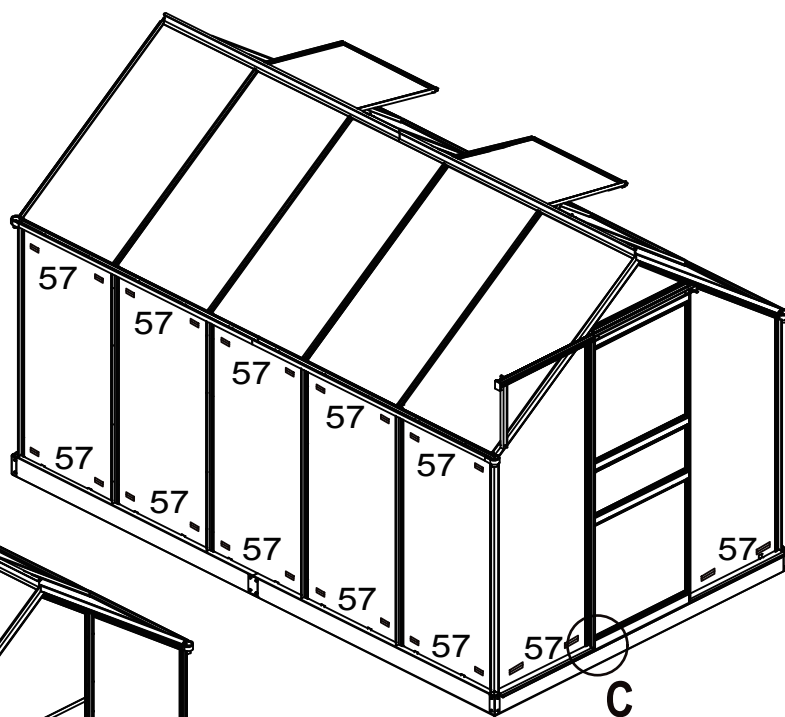
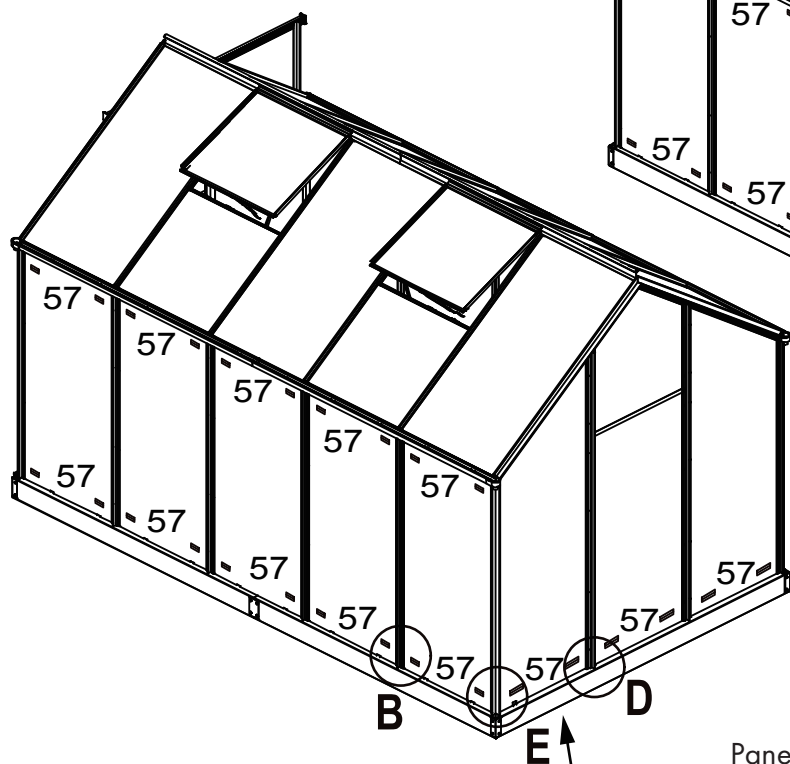


libistage see katuseaknale

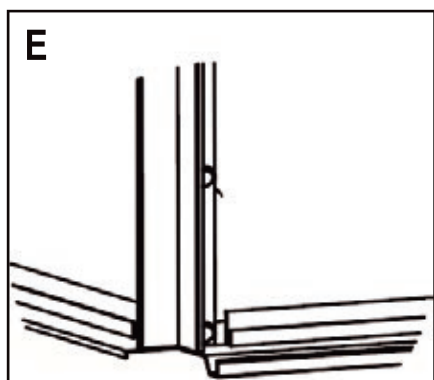
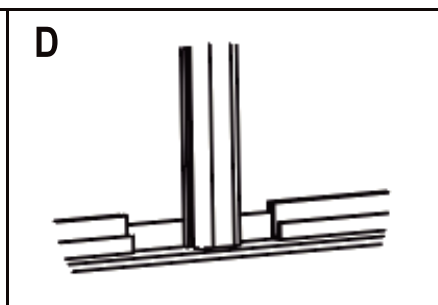
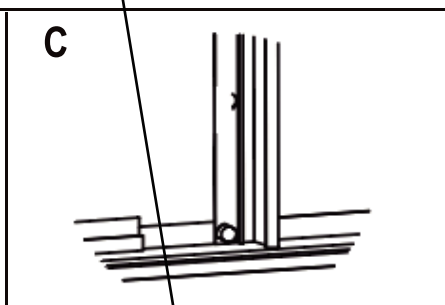
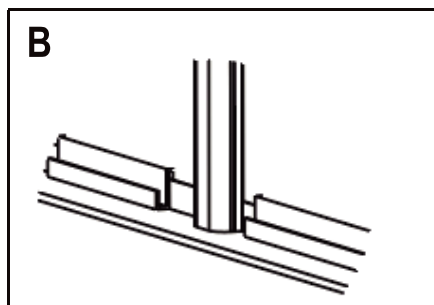


PANEELI KINNITAMINE

Osa nr	Kogus	Pilt
57	50TK	



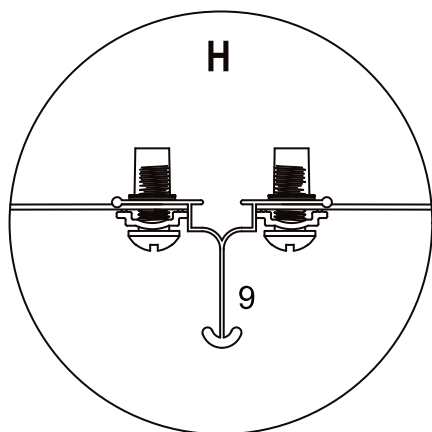
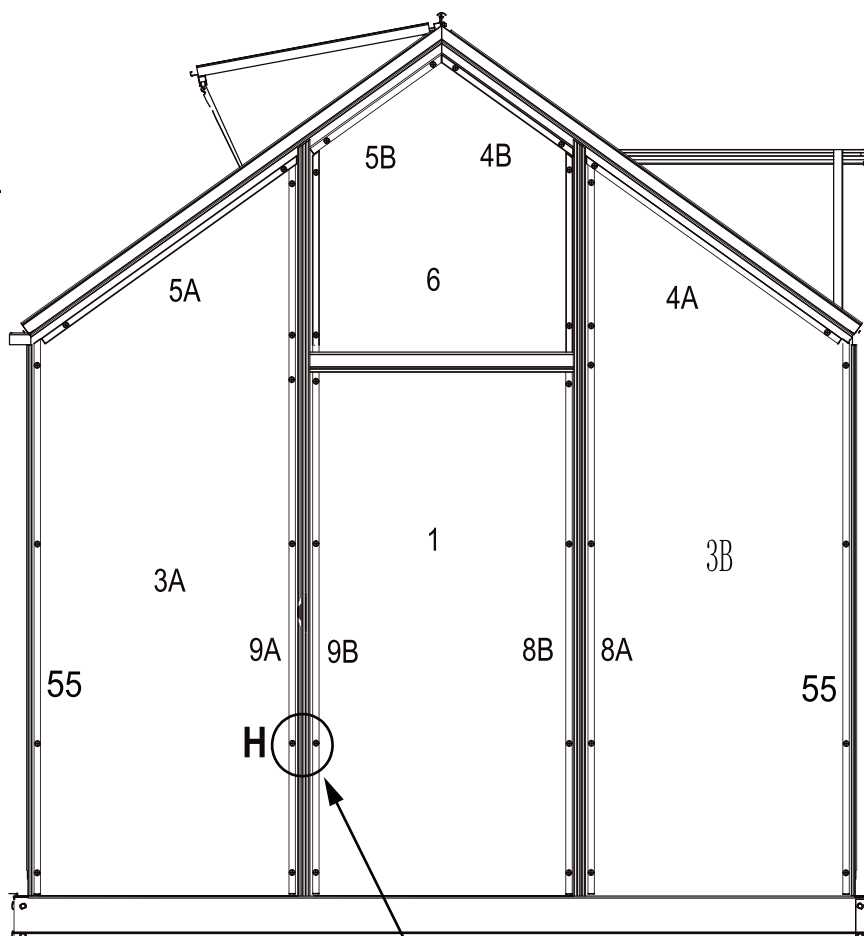
Paneeli paigaldamiseks sisestage osa nr 57 alumiiniumraami sisse nagu alloleval pildil.



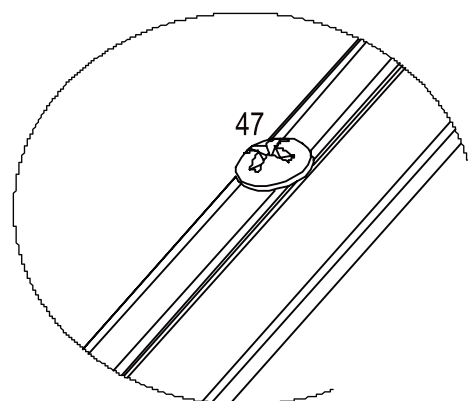
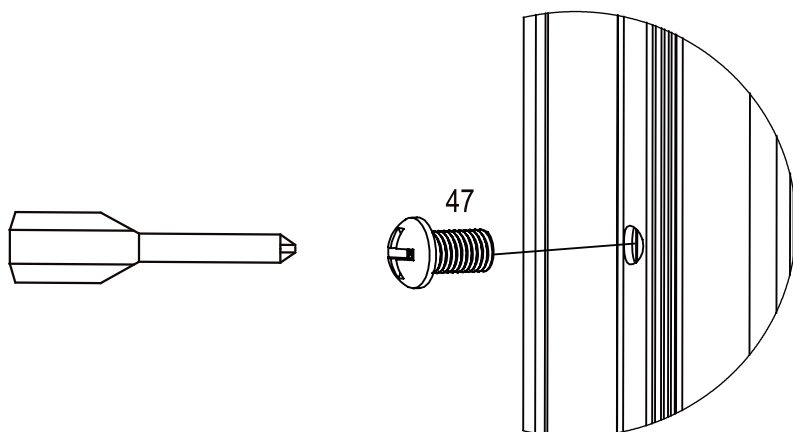
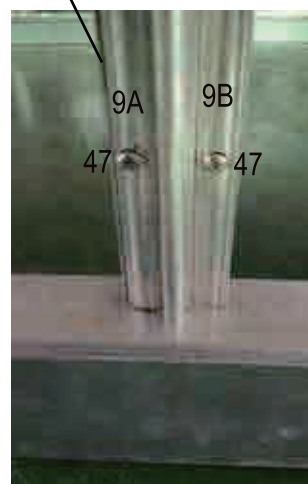
TAGASEINA PANEELI PAIGALDAMINE

Osa nr	Kogus	Pilt	Mõõtmed (mm)
55	2TK		1213
4A	1TK		695
4B	1TK		355
5A	1TK		695
5B	1TK		355
8A	1TK		1645
8B	1TK		1645
9A	1TK		1645
9B	1TK		1645
47	40TK		M5*10
1	1TK		
6	1TK		
3A	1TK		
3B	1TK		

UV-kaitsega valge kaitsekile peaks jääma päikese poole. Valge kaitsekile on UV-kaitseta.



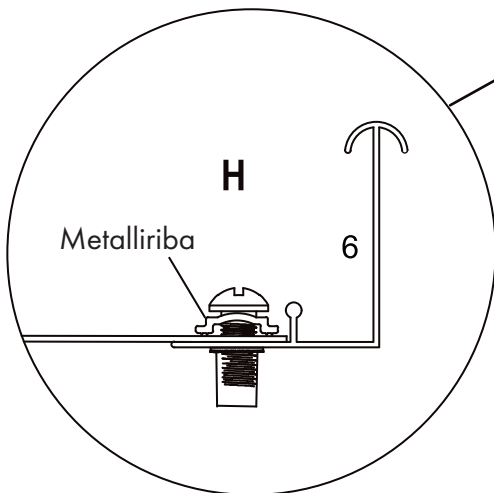
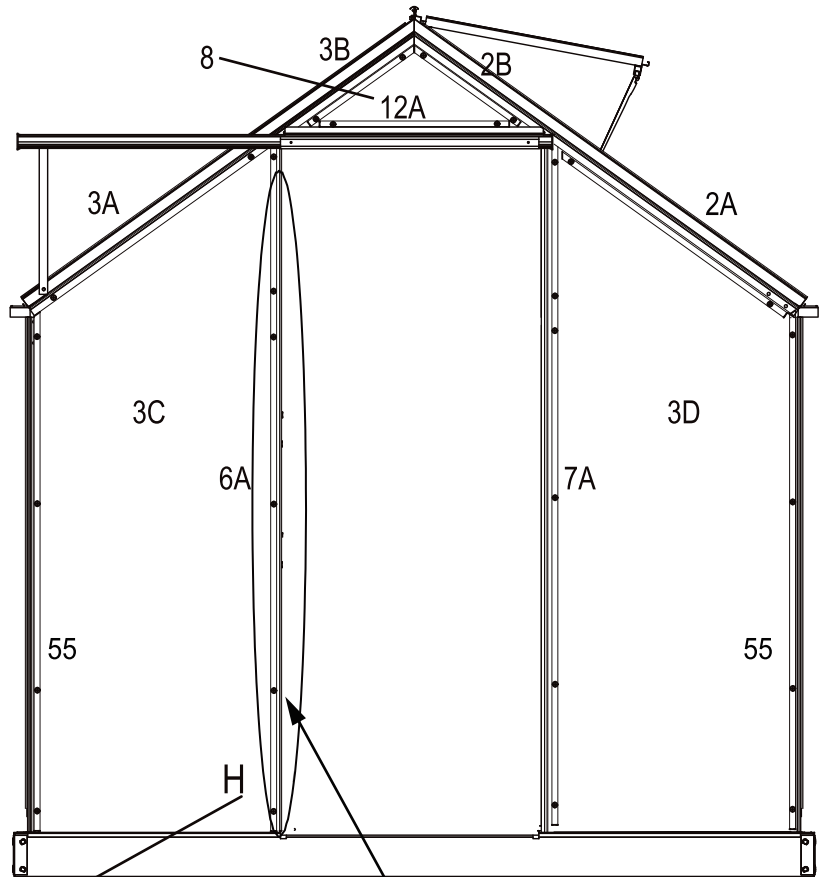
Kasutage kruvi nr 47 kinnitamiseks sobivat tööriista.



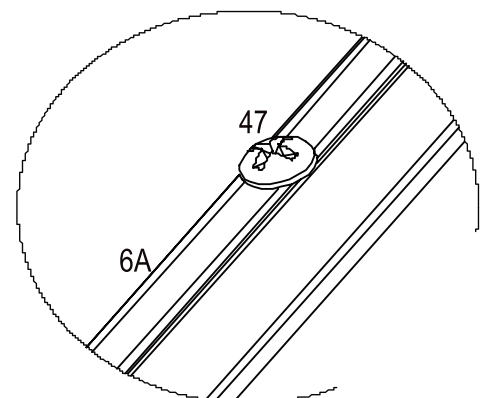
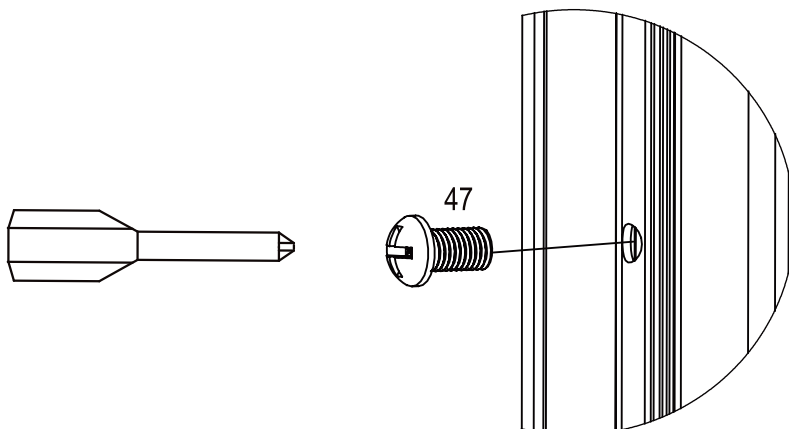
EESSEINA PANEELI PAIGALDAMINE

Osa nr	Kogus	Pilt	Mõõtmed (mm)
55	2TK		1213
2A	1TK		695
2B	1TK		355
3A	1TK		695
3B	1TK		355
6A	1TK		1645
7A	1TK		1645
12A	1TK		540
47	30TK		M5*10
8	1TK		
3C	1TK		
3D	1TK		

UV-kaitsega valge kaitsekile peaks jääma päikese poole. Valge kaitsekile on UV-kaitseta.
Kui seinapaneeli auk ja raamiauk ei sobi kokku, saate kruvi reguleerimiseks natuke lahti lasta

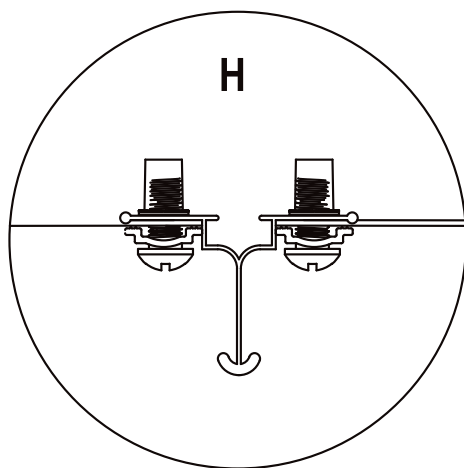
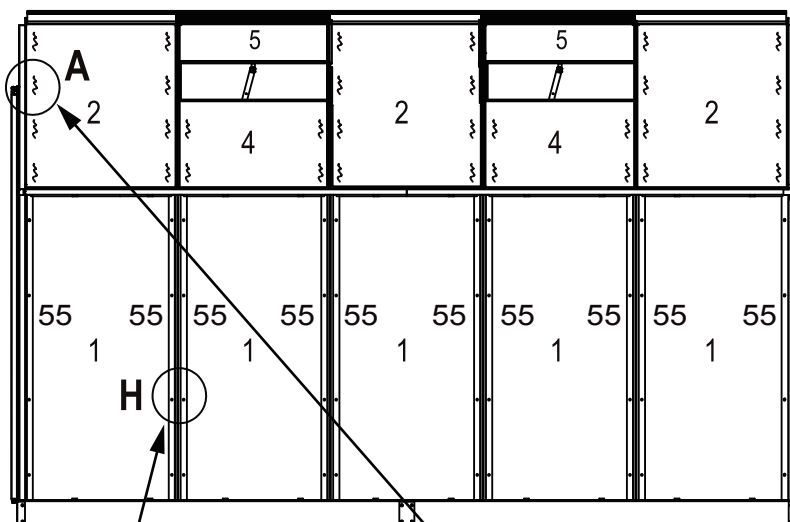


Kasutage kruvi nr 47 kinnitamiseks sobivat tööriista.



VASAKU KÜLGSEINA- JA KATUSEPANEELI KOKKUPANEK

Osa nr	Kogus	Pilt	Mõõtmed (mm)
55	10TK		1213
56	32TK		
47	40TK		M5 * 10
1	5TK		
2	3TK		
4	2TK		
5	2TK		



Kasutage kruvi nr 47 kinnitamiseks sobivat tööriista.

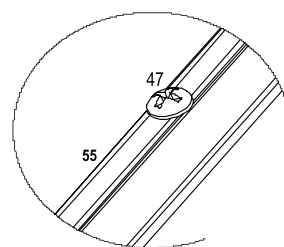
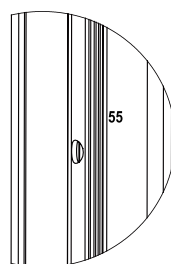


foto läbipaistva seinapaneeli kinnitamisest

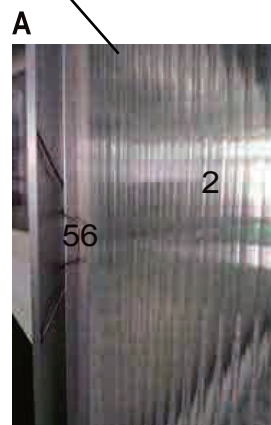


foto 4 mm katusepaneeli kinnitamisest

Seinatahvlid 1,2 mm



Valge kaitsekile 1,2 mm seinatahvilil näitab, et see on tahvli UV-vastase kaitsega külj.



Läbipaistev kaitsekile 1,2 mm seinatahvilil näitab, et see on tahvli UV-vastase kaitseta külj.

Katusetahvlid 4,0 mm



Valge kaitsekile 4,0 mm katusetahvilil näitab, et see on tahvli UV-vastase kaitsega külj.



Läbipaistev kaitsekile 4,0 mm katusetahvilil näitab, et see on tahvli UV-vastase kaitseta külj.

PAREMA KÜLJE SEINA- JA KATUSEPANEELI KOKKUPANEK

Osa nr	Kogus	Pilt	Mõõtmed (mm)
55	10TK		1213
56	40TK		
47	40TK		M5 * 10
1	5TK		
2	5TK		

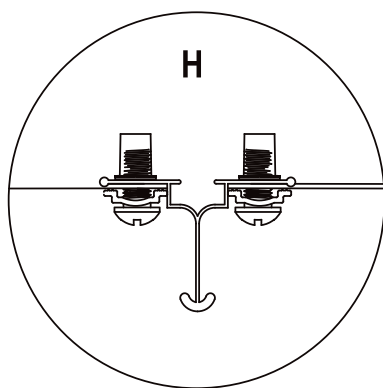
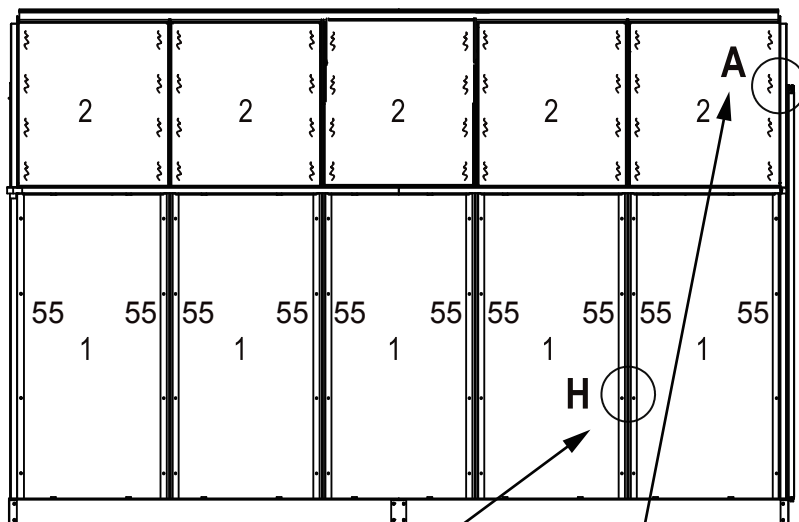


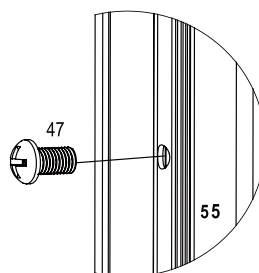
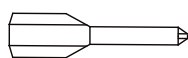
foto läbipaistva seinapaneeli kinnitamisest

foto 4 mm katusepaneeli kinnitamisest

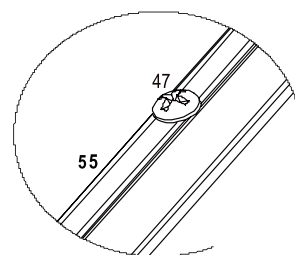


Katuse kinnitamine nr 56 klambriga

Kasutage kruvi nr 47 kinnitamiseks sobivat tööriista.



Katuse tahvlid 4,0 mm



Seinatahvlid 1,2 mm



Valge kaitsekile 1,2 mm seinatahvilil näitab, et see on tahvli UV-vastase kaitsega kül.



Läbipaistev kaitsekile 1,2 mm seinatahvilil näitab, et see on tahvli UV-vastase kaitseta kül.



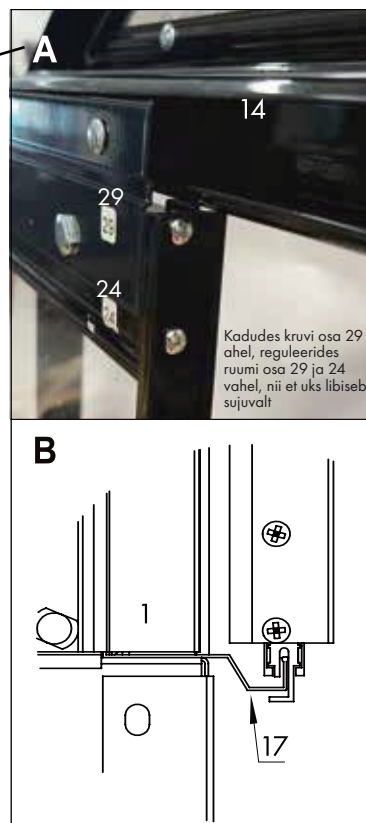
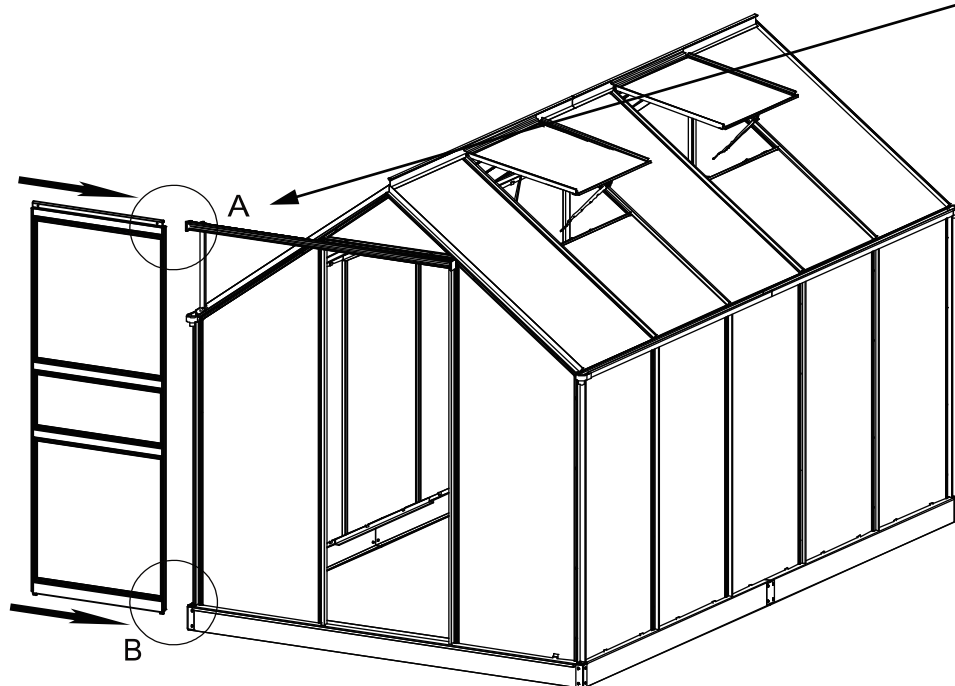
Valge kaitsekile 4,0 mm katuse tahvilil näitab, et see on tahvli UV-vastase kaitsega kül.



Läbipaistev kaitsekile 4,0 mm katuse tahvilil näitab, et see on tahvli UV-vastase kaitseta kül.

LÜKANDUKSE KINNITAMINE

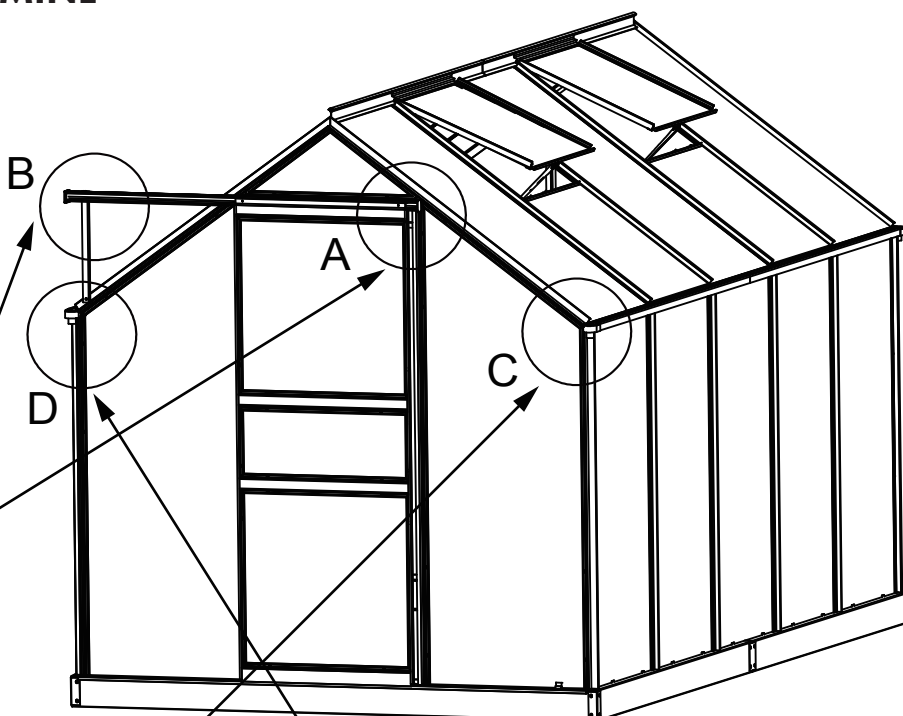
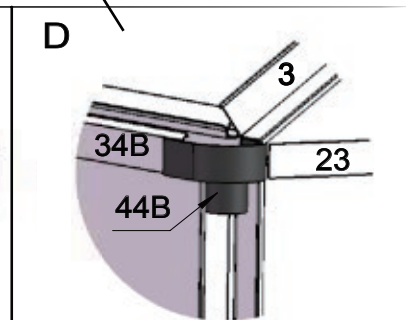
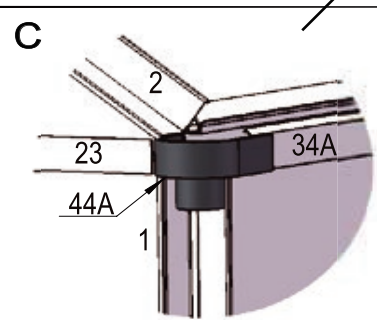
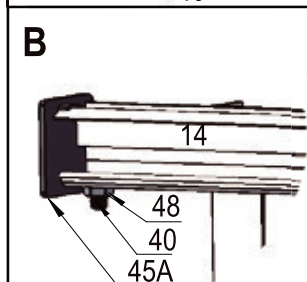
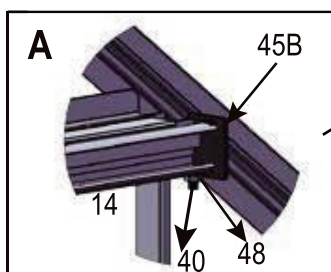
Rattad tuleb paigaldada selleks ette nähtud siinile.



VIHMAVEERENNI PAIGALDAMINE

Alumine plastosa kinnitub näidatud kohas osa nr 17 siinile.

Osa nr	Pilt	Kogus
40		2TK
44A		2TK
44B		2TK
45A		1TK
45B		1TK
48		2TK



Hooldus:

Ärge laske katusele kasvavatel taimedel katusele liiga lähedale sattuda. Liiga suur raskus katusele võib kahjustada kasvahoone karkassi, eriti kui on tuuline ilm või tugev vihmaseis. Eemaldage katusele lehed, kuna need vähendavad valguse läbilaskvust. Hoidke kasvahoone katus jääst ja lumest puhas. Vajaduse korral asetage talvel kasvahoone sisemusse katuse toetamiseks tugipost. Tormi ajal tuleb jälgida, et kasvahoone oleks kindlalt maasse kinnitatud ning katuseluu ja uks suletud. Vajaduse korral kinnitage kasvahoone tugeva köie või traadiga lähedal asuvate puude külge.

Kontrollige regulaarselt, et raami kruvid oleksid pingul. Vältige seina ja polükarbonaadist paneelide löömist teravate esemetega. Kui paneelil on sisselõige või auk, võite selle parandada liimi või läbipaistva teibiga.

Hoidke polükarbonaadist paneelid puhtad, et valgus saaks neist hästi läbi tungida. Üldjuhul võib polükarbonaadist paneele vahetada iga 5–10 aasta tagant, kui märkate, et need ei lase enam nii hästi valgust läbi.