



teahouse

assembly instruction

state: 01.02.2013

Introduction

Model teahouse



Description:

The teahouse blends with the timeless design, especially in asian gardens, but it also is an eye-catcher for any other garden. The pavillon is also equipped with a circumlating drain incl. an aluminium downspout.

Standard features include two double-swing doors with lockable latch key and two double-swing windows with window opener.

In high winds a secure hold is guaranteed, as the glazing is held with the sealing kit.

technical details:

length:	4,00 m
width:	4,00 m
eave height:	ca. 2,05 m
ridge height:	ca. 3,50 m

Congratulations on the purchase of a high-quality aluminum teahouse out of the

house from  HOKLARTHERM .

The building procedure is simple. First read the mounting instruction and follow this step by step.

After that you can start opening the cartons one after another.

The construction should not encounter any difficulties, if you follow the assembly instruction carefully.

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for the assembly you will need following tools:

designation	amount	intended use
step ladder	1 - 2	
crosstip screw driver	1	
drilling machine with drill Ø6,5 mm	1	
drill Ø3,5 mm	1	
drill Ø4,0 mm	1	
open end wrench 10 mm	1	
slot screw driver	1	
waterlevel	1	
file	1	to remove any burrs of the profiles
rubber-tipped hammer	1	
scissors/pincers	1	to devide glass blocks
tape measure	1	

Attention: read the instructions attentively before assembling



before assembling:

The assemble of the „teahouse“ should be conducted by at least 2 persons.

*Only work with gloves.
(danger of injury and cutting!)*

Work with safe, craft equitable tools.

Pay attention that the ladder has a safe standing during the assembly (accident risk!).

Please store all cartons dry and protected from direct sunlight.

All photographs and sketches are only samples, so they are not drawn to scale.

during the assemble:



If possible, the teahouse should be set up at a wind-protected place and not in stormy weather.

It is dangerous to have a partly assembled house standing in the garden.

general:



No open fireplaces in the teahouse.

Free the roof from snow loads more than 4 inches (10 cm).

In stormy weather you have to shut door and windows.

The manufacturer is not responsible for any damages caused by wrong assembly or act of god.

carton 1: connecting material und small parts

Please check that all items are included.

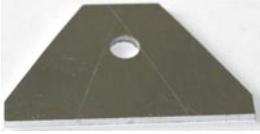
You can assign to content of each accessories bag based on the colour marks.

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	art.-no.		
	V104	2	
	drain connector teahouse		
	9999		
	V106	4	
	drain corner connector inside		
	9999		
	V109	4	
	roof purlin cover outside		
	9999		
	V102	60	
	glass block 3 mm		
	9999 0036		
	V45	40	
	glass block - wood, set of		
	9999		
	V103	2	
	silicon		
	10109413		

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	art.-no.		
	V107	4	
	gutter corner cover outside		
	9999		
	V110	8	
	connector roof profile		
	9999		

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	art.-no.		
	S5	40	
	hexagon head screw M6 x 16	DIN 933	
	9999 0183		
	S1	40	
	nut M6	DIN 934	
	9999 00128		

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	art.-no.		
	V55	2	
	holder for downpipe		
	9999 0027		
	S5	2	
	hexagon head screw M6 x 16	DIN 933	
	9999 0183		
	S1	2	
	nut M6	DIN 934	
	9999 0128		
	S43	5	
	drill screw 3,5 x 16	DIN 7504	
	9999 0283		
	S27	2	
	fillisterhead 4,8 x 16	DIN 7981	
	9999 0		
	S32	2	
	shim A6,4	DIN 9021	
	9999 0173		

overview	pos.-no	required quantity	existing quantity
	designation	purpose of use	
	art.-no.		
	V111	20	
	endcap roof profile		
	9999		
	S45	120	
	fillisterhead screw 4,2 x 16	<i>DIN 7981</i>	
	9999 0145		

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	art.-no.		
	S38	10	
	fillisterhead screw 4,8 x 60	<i>DIN 7981</i> <i>doorstop top</i>	
	9999 0380		
	S23	14	
	countersunk screw 4,2 x 32	<i>DIN 7982</i> <i>profile below window</i>	
	9999 0158		

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	art.-no		
	S49	24	
	snap ring		
	9999 0		
	V20	21	
	hinge 3-pcs		
	9999 0100		
	S18	45	
	countersunk screw 4,8 x 25	DIN 7982	
	9999 0163		
	S25	45	
	countersunk screw 4,8 x 19	DIN 7982	
	9999 0162		

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	art.-no		
	S12	115	
	S1	115	
	hexagon head screw M6 x 12 nut M6	DIN 933 DIN 934	
	S37	115	
	hexagon protection cap M6		
	9999 0098		

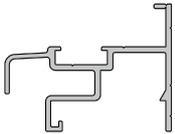
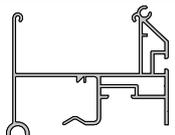
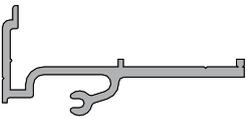
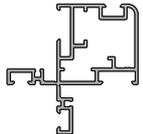
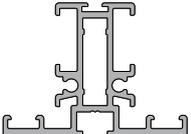
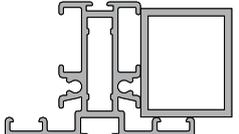
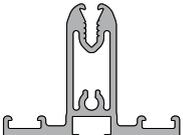
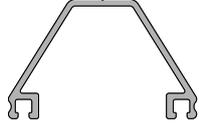
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	designation	purpose of use	
	art.-no		
	S43	55	
	drill screw 3,5 x 16	DIN 7504	
	9999 0283		

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	art.-no.		
	V112	46 ft. [14 lfdm.]	
	wedge gasket 1 - 2 mm	<i>soil profile from inside</i> page 111	
	9999 0118		
	V23	16,5 ft. [5 lfdm.]	
	wedge gasket 4 - 6 mm	<i>between roof and dome</i> page 67/86	
	9999 0119		
	V114		V114 Has been replaced with V41
	construction gasket 1 mm	<i>KPT-profiles, TR-profiles</i> page 60/63	
	9999		
	V98	328 ft. [100 lfdm.]	
	profile gasket 2 mm	<i>KPT-profile, covering profile</i> page 81	
	9999 0376		
	V41		
	upper profile gasket 3 mm	door wing profile page 45/57	
	9999 0190		
	V42	410 ft. [125 lfdm.]	
	GHD-gasket 1	<i>edge profiles, TR-profiles</i> page 67/83/95	
	9999 0116		

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	art.-no.		
	V134	2	
	downpipe		
	9999 0		
	P50	8	
	wind braces	<i>2 pc./door section</i> <i>2 pc./window section</i>	
	9999		

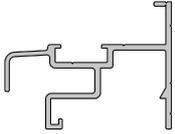
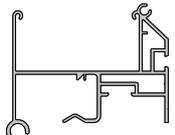
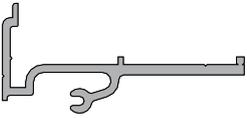
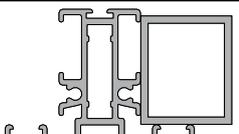
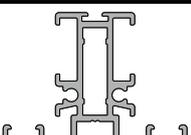
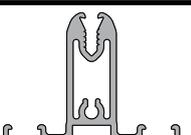
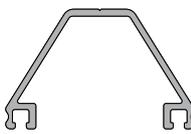
door section (2x)

carton 2: Please check the quantity of the supplied profiles.

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	length in mm		
	P1	2	
	soil profile		
	4000 mm		
	P2	2	
	drain	<i>incl. drain connector</i>	
	4082 mm		
	P3	2	
	drain connector	<i>pre-assembled in P2</i>	
	4082 mm		
	P4	4	
	edge profile		
	1971 mm		
	P5	4	
	TR-profile		
	1971 mm		
	P6.1	2	
	TR-profile with pipe		
	1278 mm		
	P8	4	
	KPT-profile		
	1971 mm		
	P9	4	
	H6-rail		
	632 mm		
	P10	4	
	H6-rail		
	637 mm		
	P11	2	
	cover		
	1278 mm		
	P12	4	
	covering profile 6 mm		
	1965 mm		

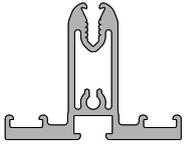
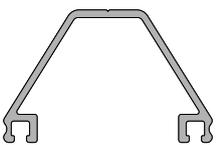
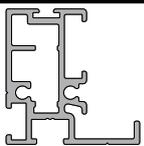
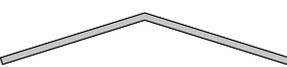
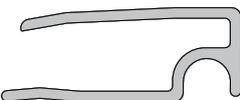
window section (2x)

carton 3: Please check the quantity of the supplied profiles.

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	length in mm		
	P1	2	
	soil profile		
	4000 mm		
	P2	2	
	drain		
	4082 mm		
	P3	2	
	drain connector		
	4082 mm		
	P5	4	
	TR-profile		
	1971 mm		
	P6 (P6.1)	2 (2)	
	TR-profile with pipe		
	1278 mm		
	P7	2	
	TR-profile		
	734 mm		
	P8	4	
	KPT-profile		
	1971 mm		
	P9	4	
	H6-rail		
	632 mm		
	P10	4	
	H6-rail		
	637 mm		
	P12	4	
	covering profile 6 mm		
	1965 mm		

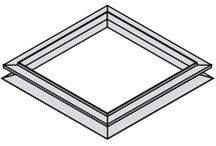
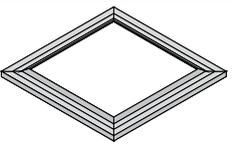
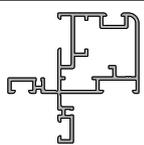
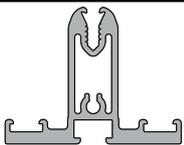
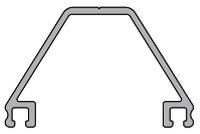
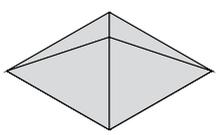
roof section (2x)

carton 4: Please check the quantity of the supplied profiles.

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	length in mm		
	P13	4	
	KPT-profile		
	1787 mm		
	P14	8	
	KPT-profile		
	1453 mm		
	P15	8	
	KPT-profile		
	739 mm		
	P16	4	
	covering profile 6 mm		
	1787 mm		
	P17	8	
	covering profile 6 mm		
	1453 mm		
	P18	8	
	covering profile 6 mm		
739 mm			
	P19	8	
	ail handling purlin		
	2415 mm		
	P20	4	
	cover angle		
	2435 mm		
	P21	16	
	u-endings 6 mm		
	634 mm		
	P22	8	
	u-endings 6 mm		
	639 mm		

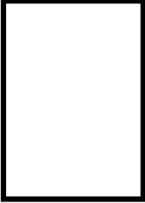
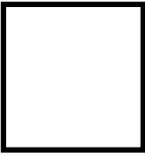
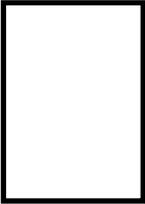
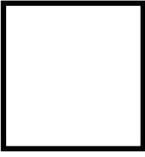
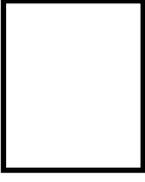
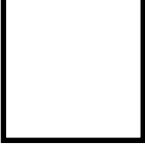
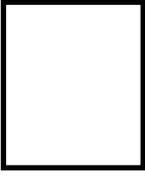
dome (1x)

carton 5: Please check the quantity of the supplied profiles.

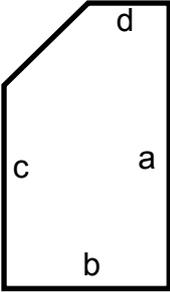
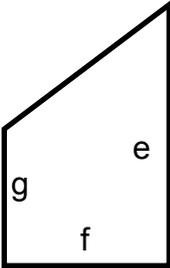
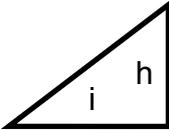
overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	length in mm		
	P38	1	
	lower pressure ring		
	P39	1	
	upper pressure ring		
	400 mm		
	P40	4	
	edge profile		
	400 mm		
	P41	4	
	KPT-profile		
	P42	4	
	covering profile 6 mm		
	400 mm		
	P43	1	
	hood		

glass plan

carton 6 und 7: Please check if all glass panes have been delivered correctly.

overview	dimensions in mm	required quantity	existing quantity
		purpose of use	
	1212 x 631 mm	8	
		side (edge area) (2)	
	724 x 631 mm	8	
		side (edge area) (below) (1)	
	1212 x 627 mm	8	
		side (10)	
	724 x 627 mm	8	
		side (below) (9)	
	1093 x 564 mm	4	
		window (12)	
	728 x 622 mm	4	
		window (below) (11)	
	869 x 564 mm	8	
		revolving door (13)	

glass plan

overview	dimensions in mm	required quantity	existing quantity
		purpose of use	
	1779 x 634 mm a = 1779 mm b = 634 mm c = 1425 mm d = 313 mm	4x lks./4x rts.	
		roof (3) (6)	
	1407 x 634 mm e = 1407 mm f = 634 mm g = 708 mm	4x lks./4x rts.	
		roof (4) (7)	
	689 x 625 mm h = 689 mm i = 625 mm	4x lks./4x rts.	
		roof (5) (8)	

overview	dimensions in mm	required quantity	existing quantity
		purpose of use	
	308 x 422 mm	8x	
		dome	

What you should know before you start assembling ...



...the drawings of the various assembly steps

All photographs and sketches are only samples, so they are not drawn to scale.

All drawings in this assembly instruction are seen from the inside of the teahouse. Should this not be the case, you can find an appropriate note in the drawing.

*Components which are shown in grey, have been assembled in the previous step.
Components which shown in black, have to be assembled in the current step.*



If the open end wrench is shown, then the hexagon head screw can be screwed to the component.

please note:

Do not over tighten the screws just yet, so that you can align the house again if necessary.



If the screw driver is shown, then the countersunk or fillisterhead screw can be screwed to the component.

please note:

Do not over tighten the screws just yet, so that you can align the house again if necessary.

What you should know before you start assembling...



... the use of hexagon head screws

←
M6 x 12

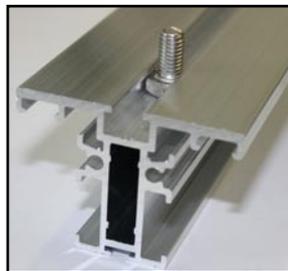
Please always slide the number of hexagon head screws into the screw canal of the specified profiles.

The number of screws can be found in the individual assembly steps.



Please note, that some of the screws are needed at a subsequent date.

It is a very big complexity, to insert the hexagon screws afterwards.



If this graphic is missing, the fitting is at an subsequent date.

Please use a 10 mm open end wrench.

What you should know before you start assembling...



... the use of fillisterhead or countersunk screws

To tighten the screws you will need a crosstip screw driver size 2.

As an alternative you can also use a cordless screwdriver with the corresponding bit.



Make sure you do not over tighten the screws.

If it should happen, procure the next larger screw.

All screws are stainless steel (A2).

Performance of each assembly step

The assembly instruction is a booklet with lots of detailed drawings and photos. These are only samples, so they are not drawn to scale.

So that you have loads of fun and joy with your teahouse, go through the assembly instructions step by step.

Here are some additional notes and explanations briefly summarized.

Preview of the assembly process



*The assembly steps are built up sequentially.
Before you start a new step, the previous step
has to be fully completed.*

phase 1: general information

Place the profiles on a smooth, flat surface.

Count the quantity of screws and nuts needed and the assembly can start.

If there should be any missing parts despite quality control, then write them down in the complaint sheet on the last page.

phase 2: assembly door sections

Begin with the door sections.

First finish one and then the other door section, as described on page 24 - 27.

phase 3: assembly window sections

Subsequently continue with the window sections.
The assembly process can be found on page 28 - 33.

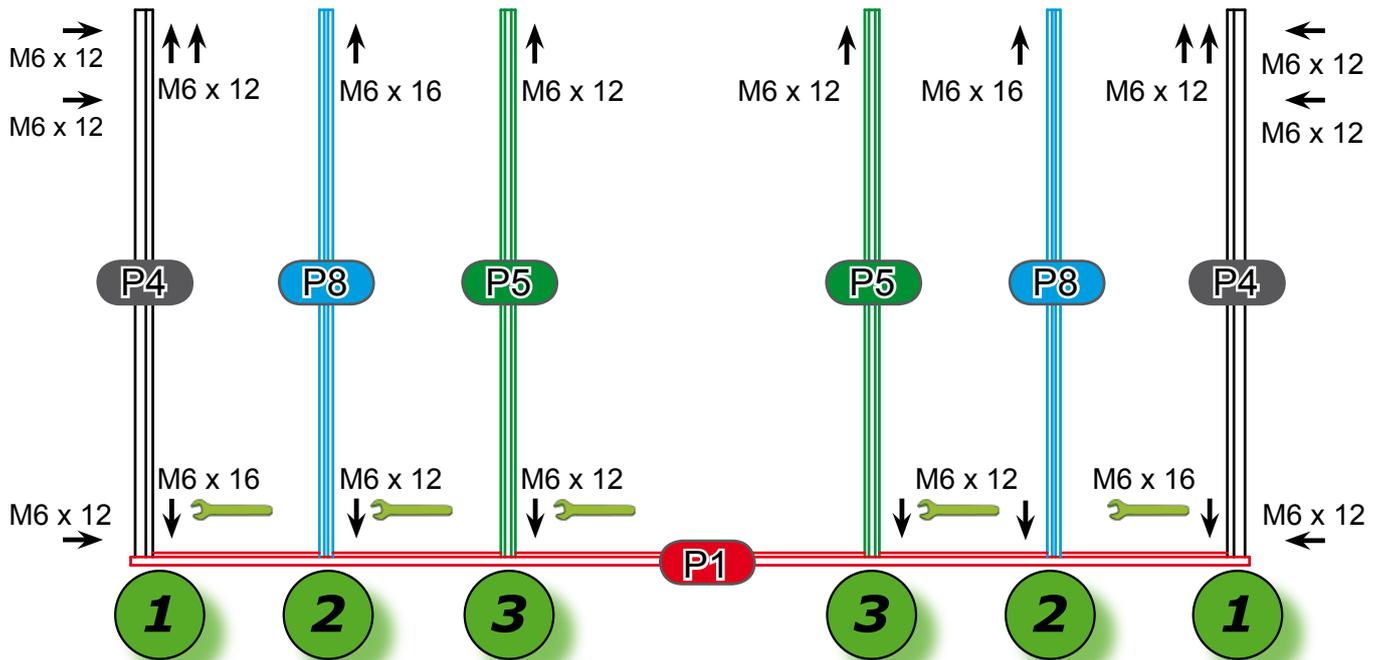
phase 4: assembly of the door- and side sections

Slide the sections together. You can determine the arrangements yourself. For this see page 34 - 37.

phase 5:	assembly doors
<p>If the side sections are ready so far, you can start with the assembly of the doors (page 38 - 48). After glazing the teahouse you will need the doors.</p>	
phase 6:	assembly windows
<p>The process of the assembly of the window (page 49 - 59) is similar to the door. The windows also will be needed after glazing the roof.</p>	
phase 7:	assembly the dome
<p>Assemble the components as described like on page 62 - 67. Build the dome together completely because the installation at a later stage is very difficult.</p>	
phase 8:	assembly of the roof section
<p>The dome must be held so that you can attach the four middle profiles. Do so as described on the pages 68 - 80. After assembling the roof profiles you can start glazing the side area and then you can start glazing the roof. This will give you the needed stability.</p>	
phase 9:	glazing of the teahouse
<p>Only now, you can start the glazing on the side sections. For this look at page 81 - 89 and page 94 - 99. The GHD-gaskets are pulled into the appropriate grooves of the profile.</p>	
phase 10:	insert the doors and windows
<p>The doors and windows can now be inserted, aligned and glazed. Pay attention to the pages 90 - 93.</p>	
phase 11:	completion of the teahouse
<p>Finally, the door holder, downpipes, sash locks, roof purlin cover outside and the remaining gaskets get assembled. Follow the pages 100 - 111.</p> <p>Now your teahouse is completed. Lots of fun and joy with the teahouse.</p>	

door section (2x)

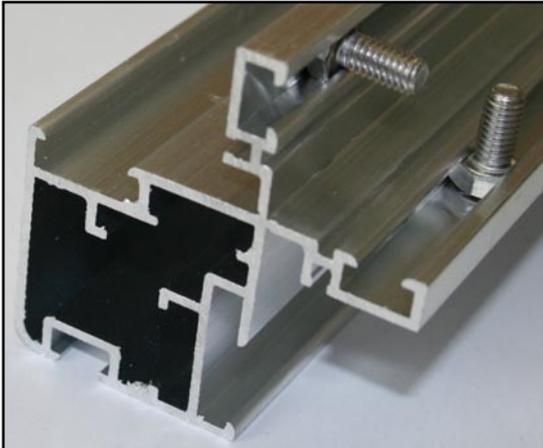
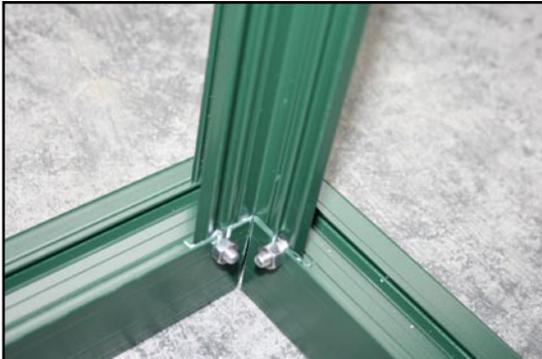
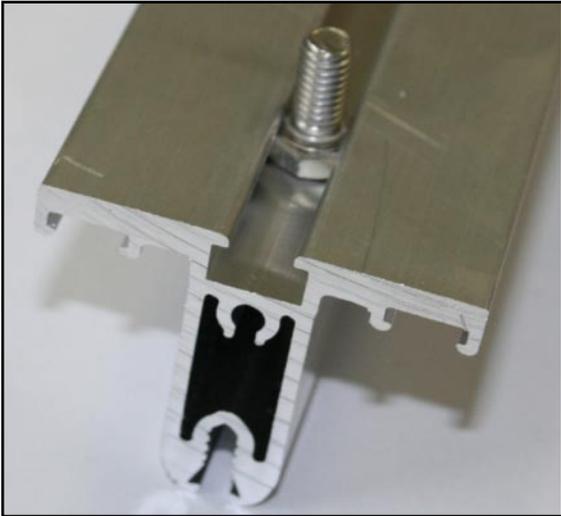
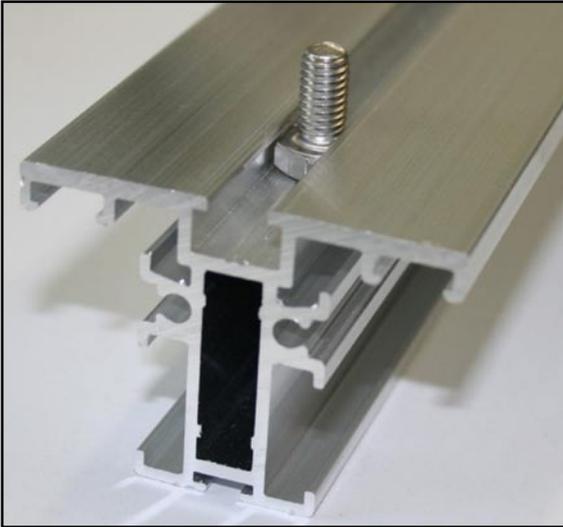
step 1 assemble soil profile and perpendicular profiles



You will need following:

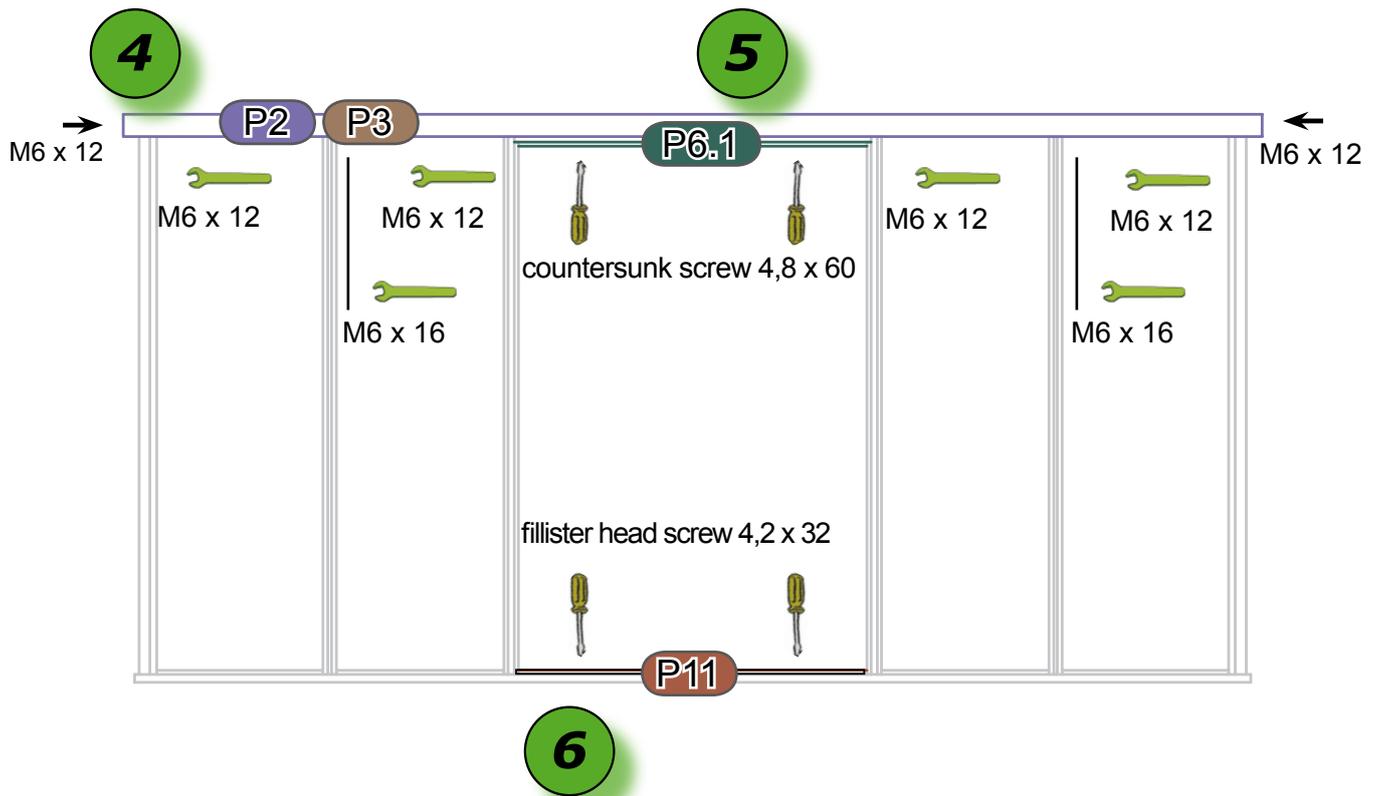
amount	pos.	designation
1	P1	soil profile (4000 mm)
2	P4	edge profile (1971 mm)
2	P8	KPT-profile (1971 mm)
2	P5	TR-profile (1971 mm)
16	S12	hexagon head screw M6 x 12
4	S5	hexagon head screw M6 x 16
16	S1	hexagon nut M6
16	S32	shim A6,4

- > Slide the amount of hexagon head screws M6 x 12 and M6 x 16 in the groove of the edge profile.
- > Slide the amount of hexagon head screws M6 x 12 and M6 x 16 in the groove of the KPT-profile.
- > Slide the amount of hexagon head screws M6 x 12 in the groove of the TR-profile.
- > Screw all three profile types to the soil profile and nut and shim A6,4.

detail	in the prepared condition	in the installed condition
<p data-bbox="129 450 225 539">1</p>		
<p data-bbox="129 1122 225 1211">2</p>		
<p data-bbox="129 1749 225 1839">3</p>		

door section (2x)

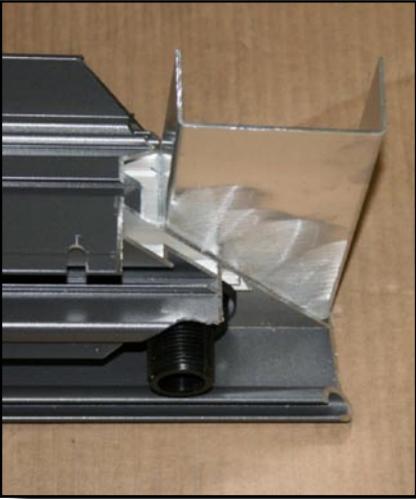
step 2 assemble drain



You will need following:

amount	pos.	designation
1	P2	drain with preassembled drain adapter (4082 mm)
1	P3	drain connector (4082 mm)
1	P6.1	TR-profile with pipe 30/25/2 (1278 mm)
1	P11	cover (1278 mm)
1		drill Ø3,5
2	S12	hexagon head screw M6 x 12
2	S28	countersunk screw 4,8 x 60
2	S26	fillister head screw 4,2 x 32

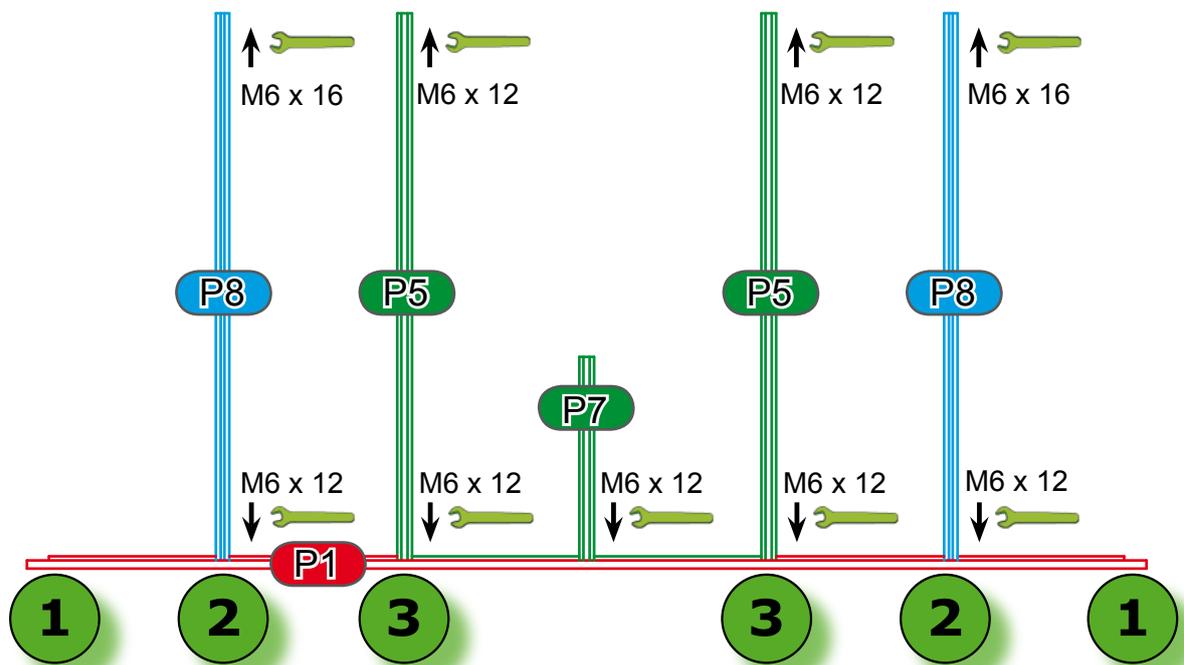
- Slide the drain connector into the drain.
- Screw the profiles to the drain and nut M6.
- Slide the displayed amount of hexagon head screws M6 x 12 into the drain.
- Below the drain in the area of the door you have install the TR-profile with the preassembled rectangular pipe. You will need the countersunk screws 4,8 x 60.
- Place the cover on the soil profile at the door area.
- Take the cover as a template and drill holes in the soil profile.
- The cover is screwed on with fillister head screws 4,2 x 32.

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 220 539">4</p>		
<p data-bbox="132 1122 220 1211">5</p>		
<p data-bbox="132 1749 220 1839">6</p>		

window section (2x)

step 3

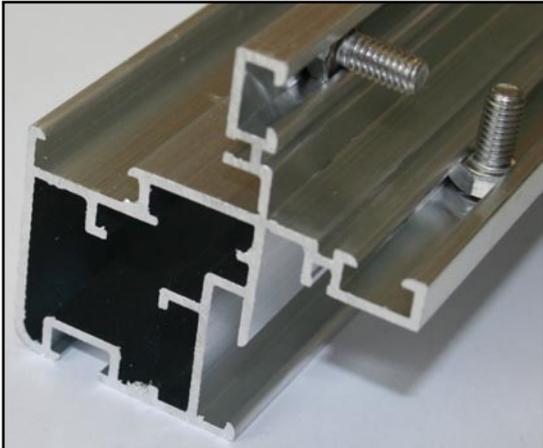
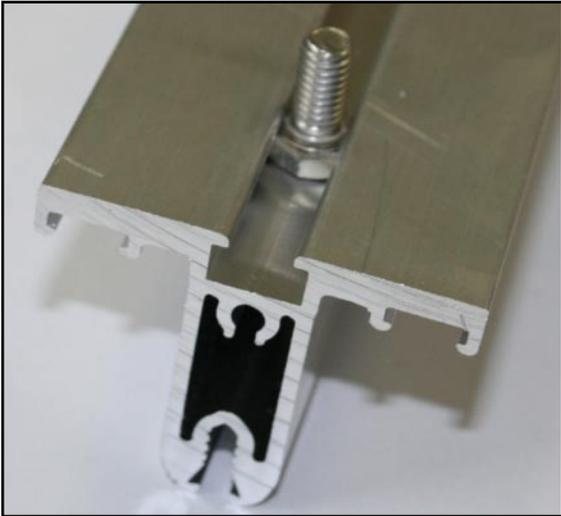
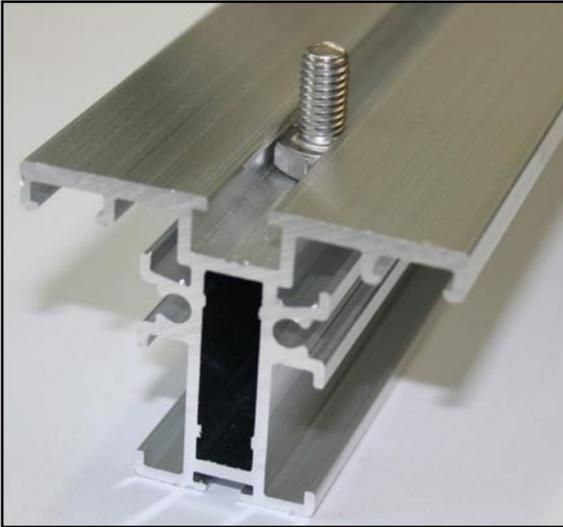
assemble soil profile and perpendicular profiles



You will need following:

amount	pos.	designation
1	P1	soil profile (4000 mm)
2	P8	KPT-profile (1971 mm)
2	P5	TR-profile (1971 mm)
1	P7	TR-profile (734 mm)
7	S12	hexagon head screw M6 x 12
2	S5	hexagon head screw M6 x 16
9	S1	hexagon nut M6
9	S32	shim A6,4

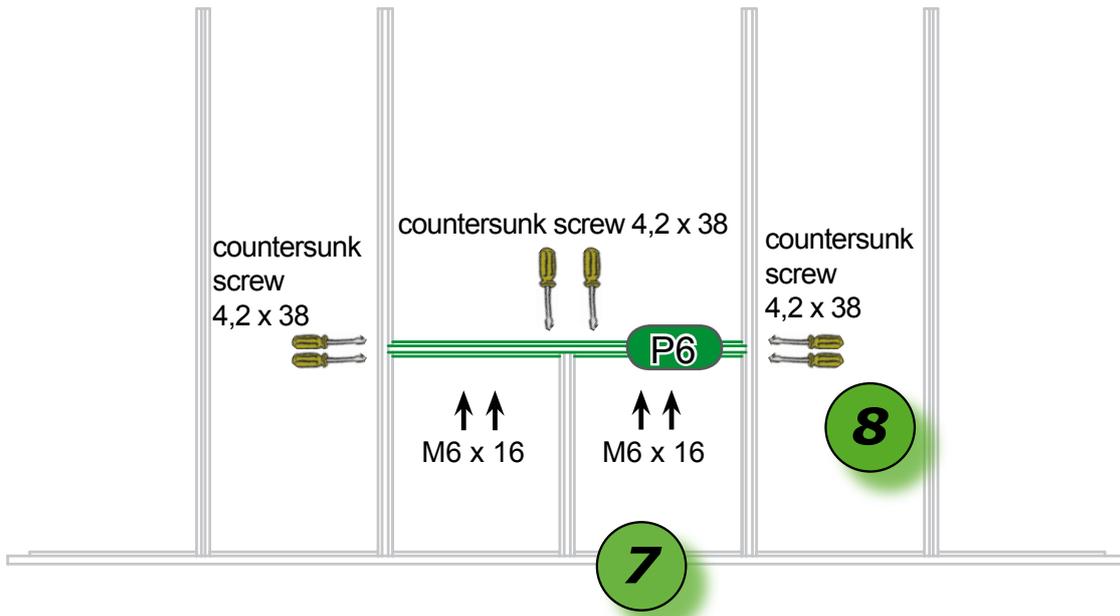
- > Slide the displayed amount of hexagon head screws M6 x 12 and M6 x 16 in the groove of the KPT-profiles.
- > Slide the displayed amount of hexagon head screws M6 x 12 in the groove of the TR-profiles.
- > Screw both profile types to the soil profile and nut M6.
- > Screw all profile types to the soil profile and nut and shim A6,4.

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 225 539">1</p>		
<p data-bbox="132 1122 225 1211">2</p>		
<p data-bbox="132 1749 225 1839">3</p>		

window section (2x)

step 4

assemble of the crossprofile



You will need following:

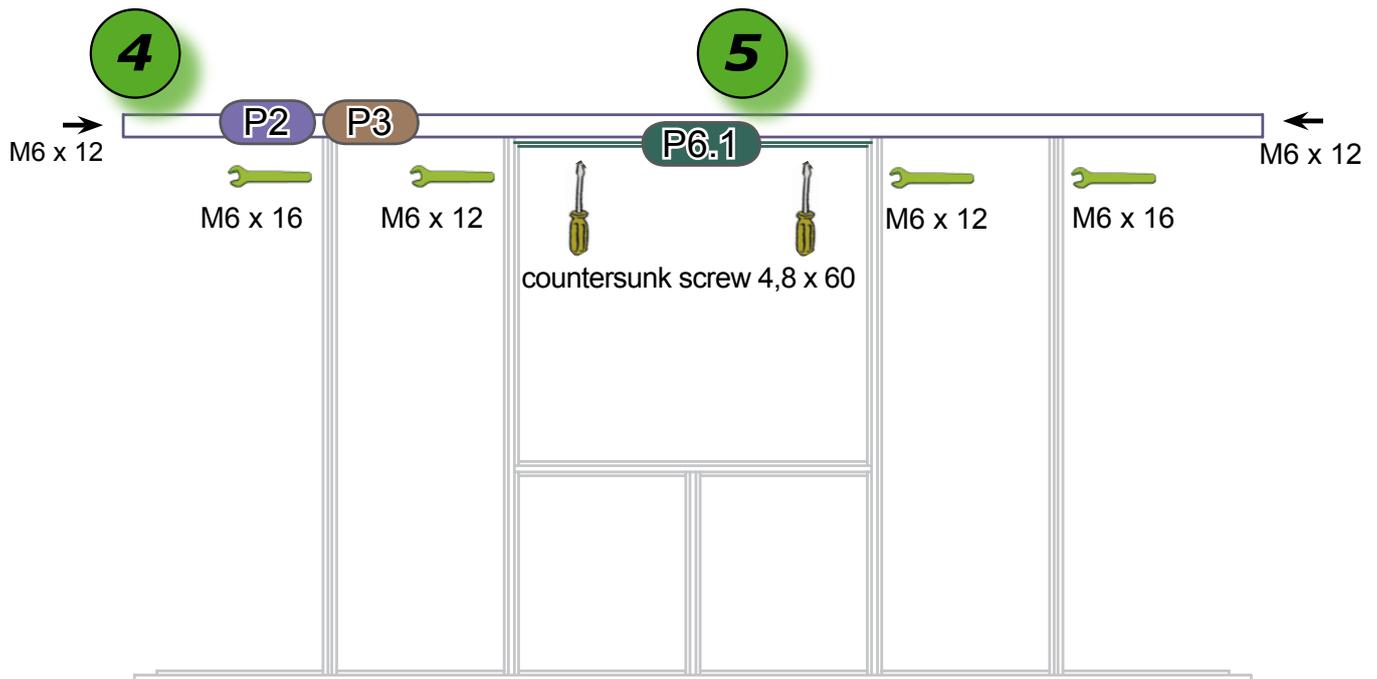
amount	pos.	designation
1	P6	TR-profile cross (1278 mm)
4	S5	hexagon head screw M6 x 16
6	S50	countersunk screw 4,2 x 38

- > Slide the displayed amount of hexagon screws M6 x 16 in the groove of the TR-profile.
- > Screw from above the TR-profile with the countersunk screws across to the TR-profile.
- > For the lateral fixation of the TR-profile cross to the TR-profile you will need the countersunk screws 4,2 x 38.

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 225 539">7</p>		
<p data-bbox="132 1122 225 1211">8</p>		

window section (2x)

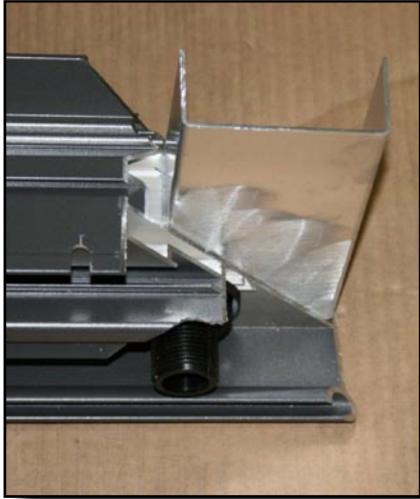
step 5 assemble drain



You will need following:

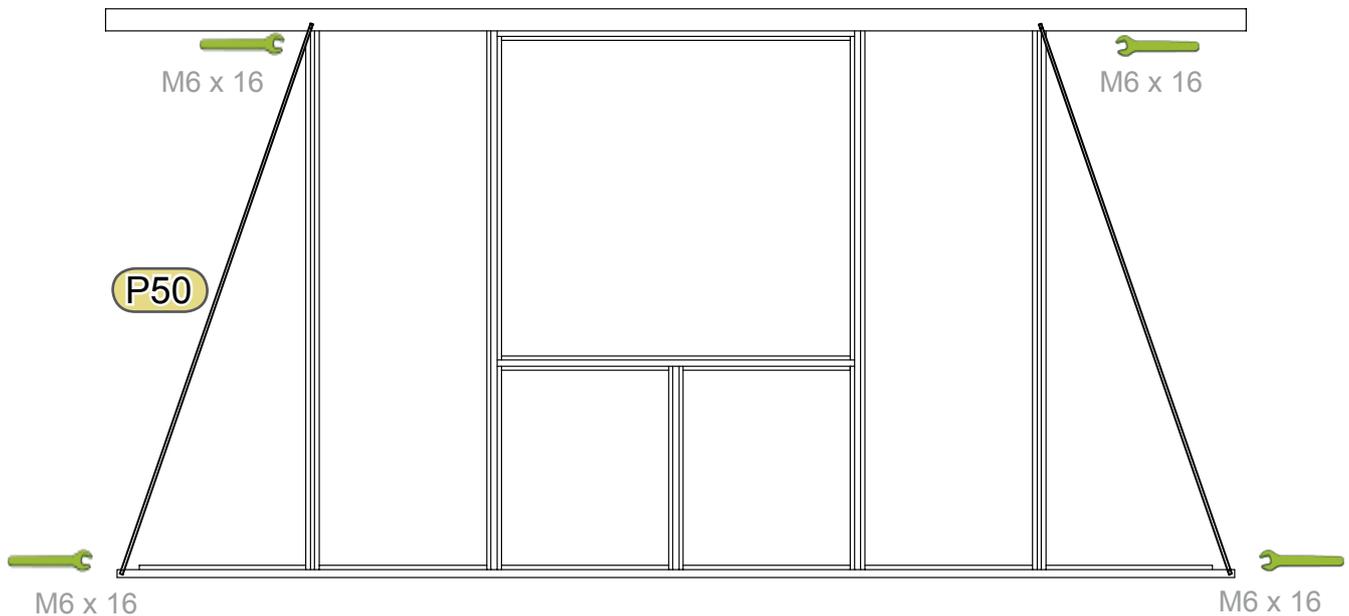
amount	pos.	designation
1	P2	drain with preassembled drain adapter
1	P3	drain connector
1	P6.1	TR-profile with pipe 30/25/2
2	S12	hexagon head screw M6 x 12
2	S28	countersunk screw 4,8 x 60

- > Slide the connector into the drain.
- > Screw the profiles to the drain.
- > Slide the displayed amount of the hexagon head screws into the drain.
- > Below the drain, in the area of the window you have to install the TR-profile with the preassembled rectangular pipe. For that you will need the countersunk screws 4,8 x 60.

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 220 539">4</p>		
<p data-bbox="132 1122 220 1211">5</p>		

side section (4x)

Assembly of the wind braces



You will need following:

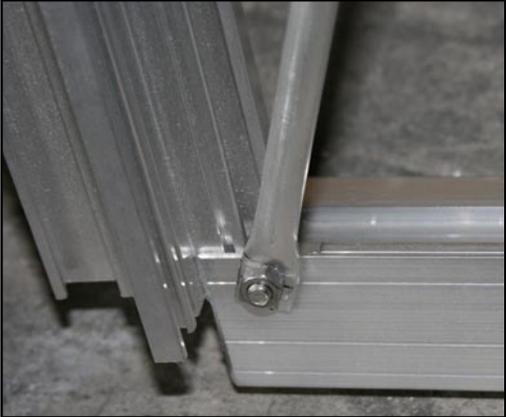
amount	pos.	designation
1		side section
2	P50	wind brace 81.5" long tubes
4	S1	nut M6

- > The wind braces stabilize the side sections during assembly - but may be removed when assembly has been completed.



Note: In high wind areas (50 mph+) we suggest you leave them in place.

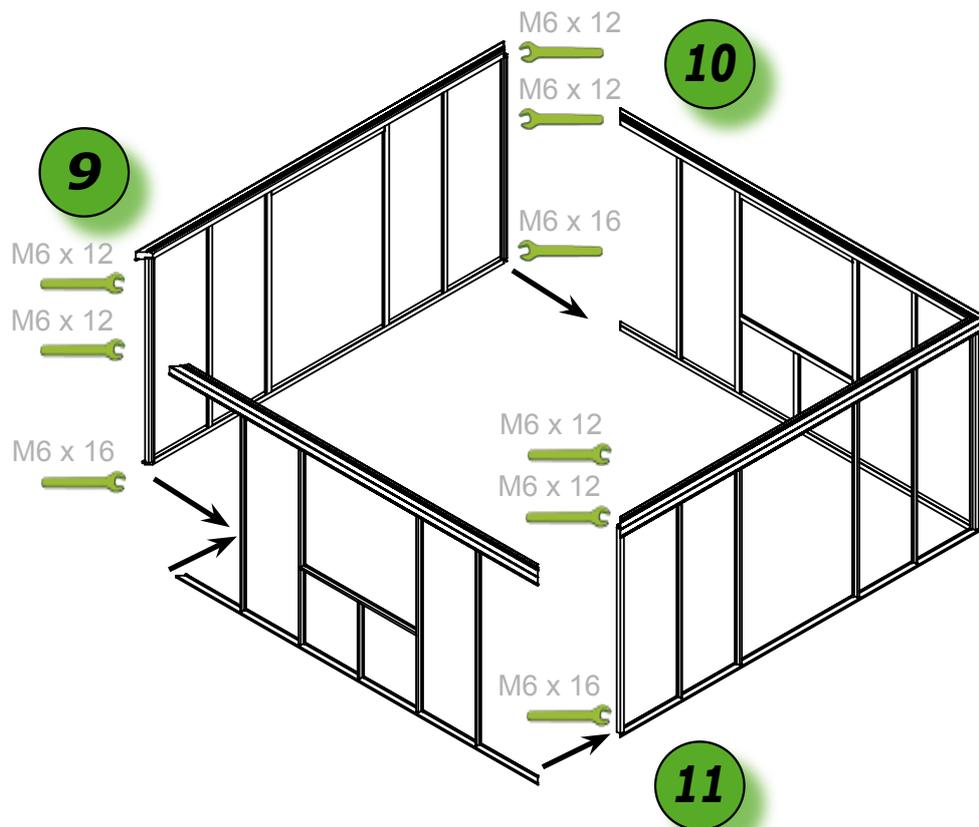
- > Install as shown in diagram above and pictures on next page. Remove the nuts attach the braces and put the nuts back on.

detail	in the prepared condition	in the installed condition
		
		

side sections

step 6

assemble of the door- and window sections



You will need following:

Amount	pos.	designation
2		door section
2		window section
4	V104	drain connector
4	V106	edge connector drain - inside -



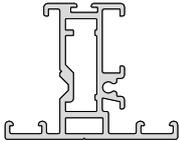
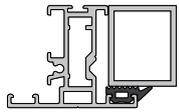
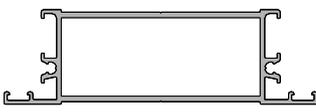
You can decide for yourself how the arrangement should be for the sections.

- > After you have determined how the sections should be arranged, slide the drain connector into the drain of two sections.
- > Now slide all four side panels together and fasten them in the area of the soil profile and below the drain.
- > The edge connector drain - inside - has to be placed on the screws of the edge drain. Please do not tighten the screws yet!

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 220 539">9</p>		
<p data-bbox="132 1122 220 1211">10</p>		
<p data-bbox="132 1749 220 1839">11</p>		

double revolving door (2x)

carton 8: Please check the quantity of the supplied profiles.

overview	pos.-no.	required quantity	existing quantity	
	designation	purpose of use		
	length in mm			
	P23	2		
	door wing profile left 1915 mm	<i>with hinge drilling</i>		
	P24	2		
	door wing profile right 1915 mm	<i>with hinge drilling</i>		
	P25	2		
	door wing profile middle 1915 mm			
	P26	8		
	door wing profile up/down 638 mm			
		P27	2	
		door wing profile with pipe 1915 mm	<i>with upper profile gasket 3 mm</i>	
		P28	4	
transverse door latch 572 mm				
overview	pos.-no.	required quantity	existing quantity	
	designation	purpose of use		
	art.-no.			
	V39	1		
	counterpart for door holder 9999			
	S41	1		
	countersunk screw M5 x 16 9999 0	<i>DIN 985</i>		
	S42	1		
	nut M5 9999 0	<i>DIN 934</i>		
	V38	1		
	door holder 9999 0			

accessories double revolving door (2x)

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	art.-No.		
	V37	8	
	corner angle 50/50/6/24,7		
	9999 0065		
	V28	8	
	sash lock, small	<i>recess-mounted</i>	
	9999 0023		
	S50	8	
	countersunk screw 4,2 x 38	<i>DIN 7982</i>	
	9999 0163		
	S28	2	
	countersunk screw 4,8 x 60	<i>DIN 7982</i>	
	9999 0167		
	S46	6	
	countersunk screw 4,8 x 50	<i>DIN 7982</i>	
	9999 0379		
	S29	4	
	countersunk screw 4,2 x 60	<i>DIN 7982</i>	
	9999 0161		
	S26	4	
	fillister head screw 4,2 x 32	<i>DIN 7981</i>	
	9999 0146		

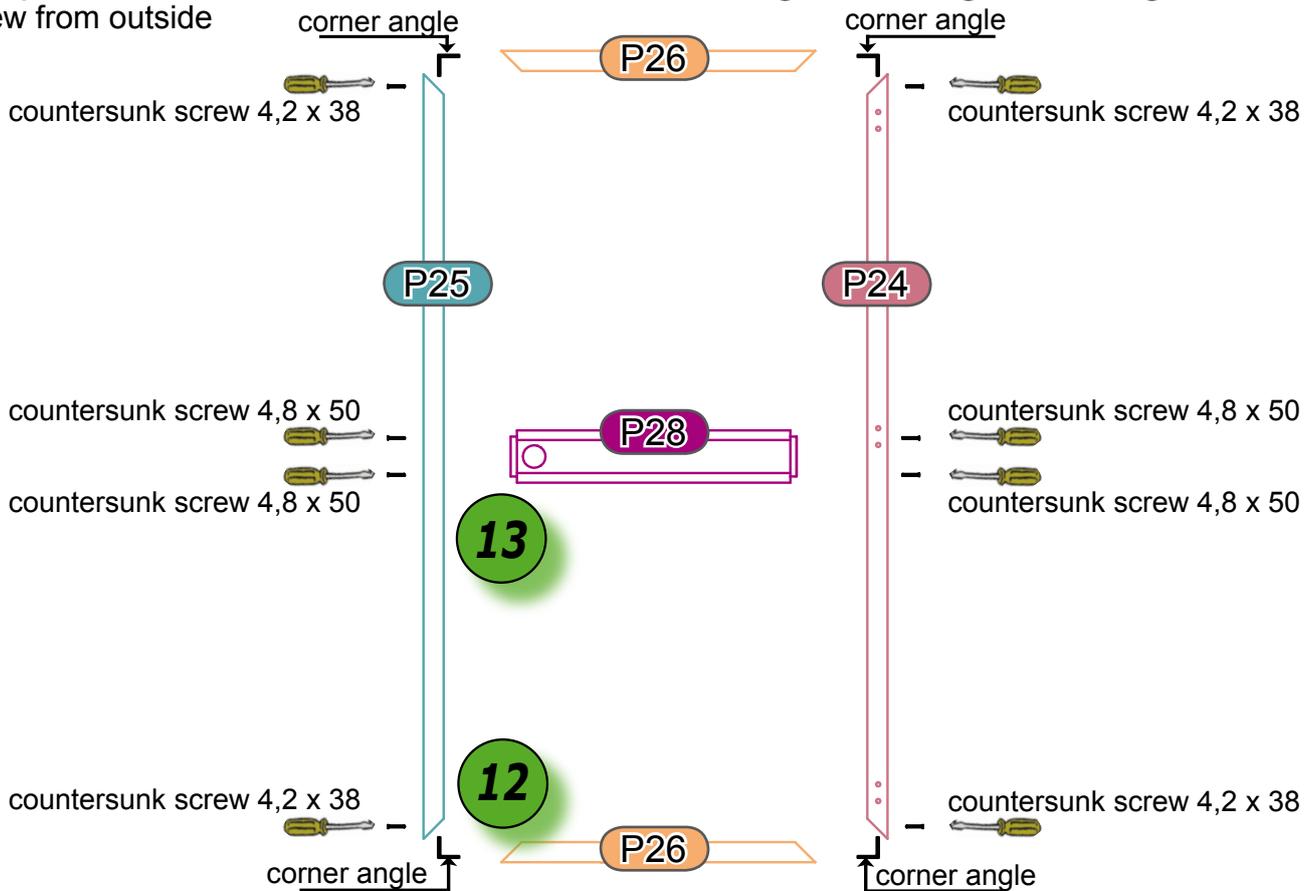
overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	art.-no.		
	V44	2	
	door handle set, 8pcs		
	9999 0379		

double revolving door (2x)

step 7

assemble of the double-wing revolving door - right -

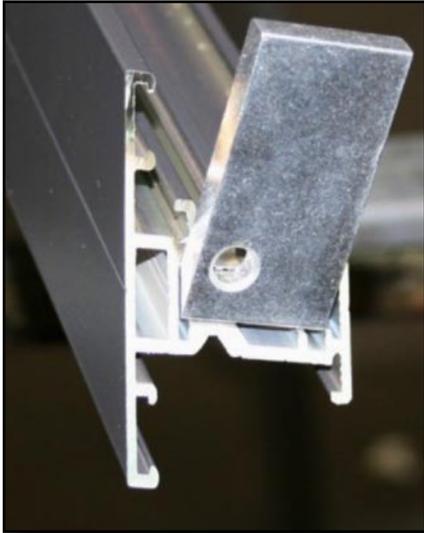
view from outside



You will need following:

amount	pos.	designation
1	P24	door wing profile - right (1915 mm)
1	P25	door wing profile - middle (1915 mm)
1	P28	crossbar (572 mm)
2	P26	door wing profile - top/bottom (638 mm)
4	V37	corner angle 50/50/6
4	S46	countersunk screw 4,8 x 50
4	S50	countersunk screw 4,2 x 38

- > Slide the corner angles into the door wing profile - right - and into the door wing profile - middle.
- > Slide the door wing profile - top/bottom - on the corner angle, so that a complete frame is formed.
- > Screw the frame in to the corners with the countersunk screws 4,2 x 38.
- > Insert the crossbar and tighten it to the frame with countersunk screws 4,8 x 50.

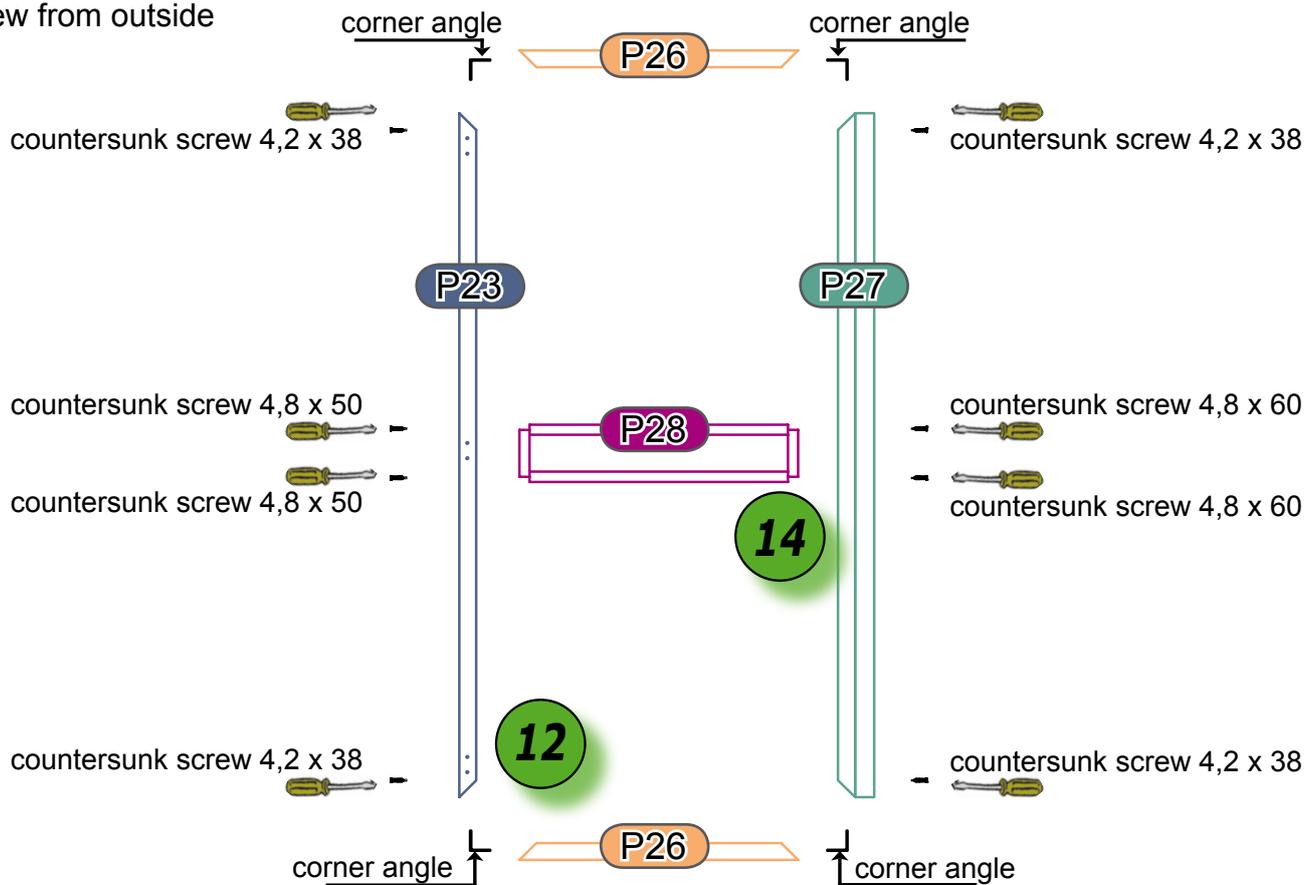
detail	in the prepared condition	in the installed condition
<p>12</p>		
<p>13</p>		

double revolving door (2x)

step 8

assemble of the double-wing revolving door - left -

view from outside



You will need following:

amount	pos.	designation
1	P23	door wing profile - left (1915 mm)
1	P27	door wing profile with pipe (1915 mm)
1	P28	crossbar (572 mm)
2	P26	door wing profile - top/bottom - (638 mm)
4	V37	corner angle 50/50/6
2	S46	countersunk screw 4,8 x 50
2	S28	countersunk screw 4,8 x 60
4	S50	countersunk screw 4,2 x 38

- > Slide the corner angles into the door wing profile - left - and into the door wing profile - middle.
- > Slide the door wing profile - top/bottom - on to the corner angles, so that a complete frame is formed.
- > Screw the frame in to the corners with the countersunk screws 4,2 x 38.
- > Insert the crossbar and tighten it to the frame with countersunk screws 4,8 x 50 respectively 4,8 x 60 for the side of the door wing profile with preassembled rectangular pipe.

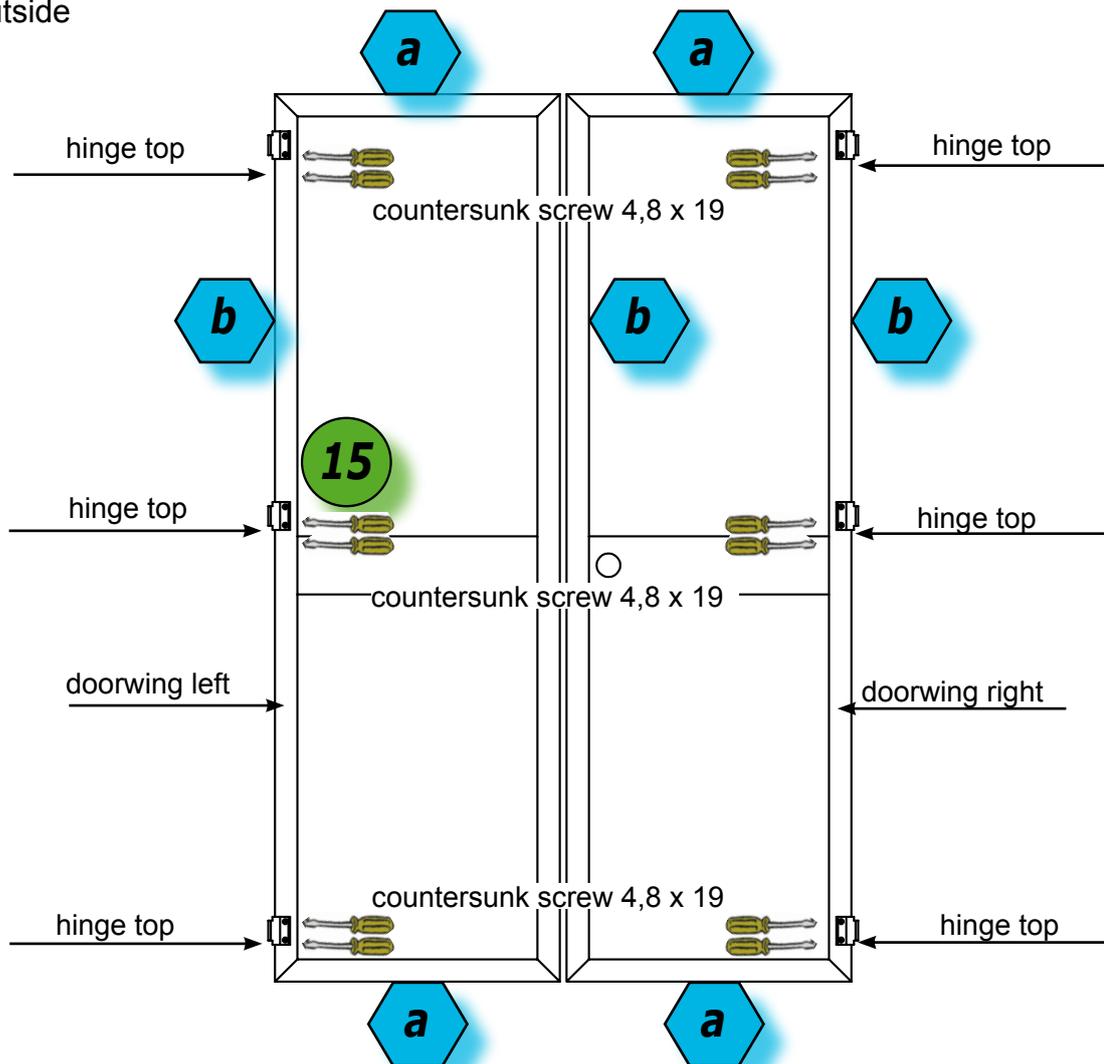
detail	in the prepared condition	in the installed condition
<p>12</p>		
<p>14</p>		

double revolving door (2x)

step 9

assemble of the hinge tops

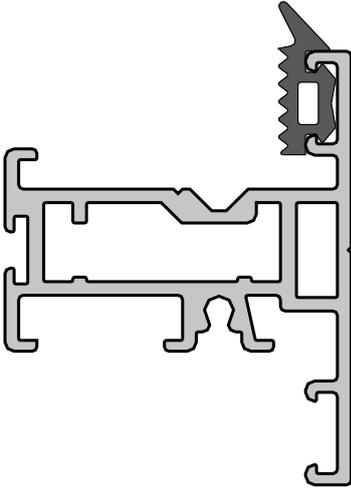
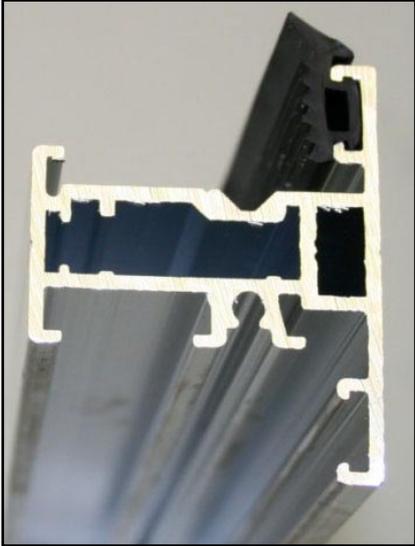
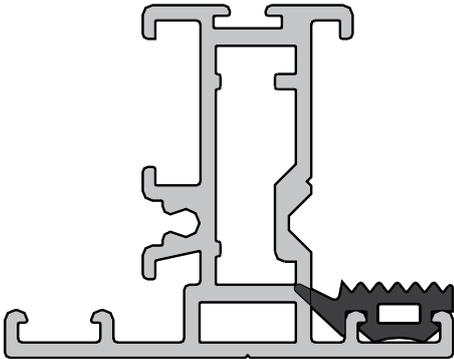
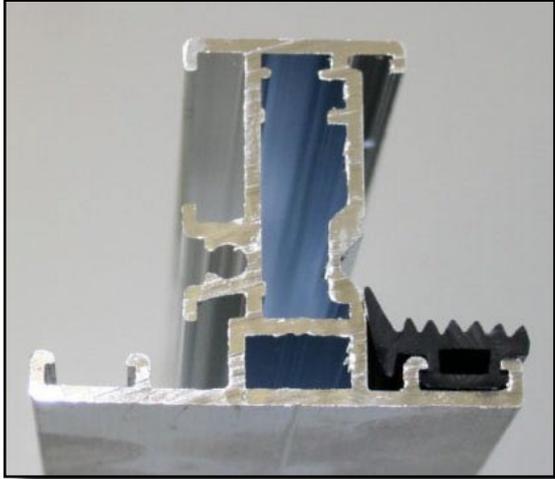
view from outside



You will need following:

amount	pos.	designation
6		hinge top
12	S25	countersunk screw 4,8 x 19
11 m	V41	upper profile gasket 3 mm

- > Assemble the hinge tops on the doorwings left and right.
- > Use the countersunk screws 4,8 x 19 for screwfitting.
- > Now press as shown above, the seal into the groove of the door wing profile (a and b). In the corners you cut the seal with a scissor to miter.

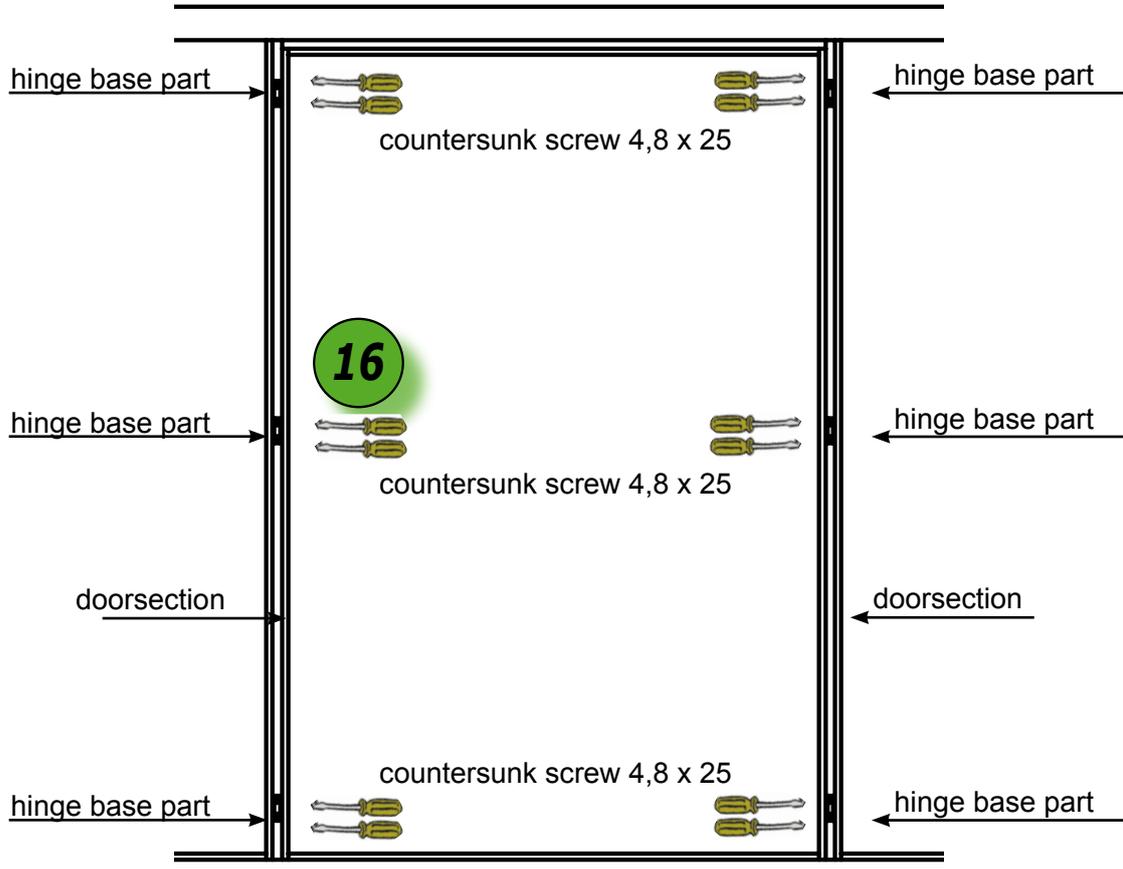
detail	in the prepared condition	in the installed condition
<p data-bbox="129 450 209 539">15</p>		
<p data-bbox="129 1099 209 1189">a</p>		
<p data-bbox="129 1783 209 1872">b</p>		

double revolving door (2x)

step 10

assemble of the hinge base part

view from outside



You will need following:

Amount	pos.	designation
6		hinge base part
12	S18	countersunk screw 4,8 x 25

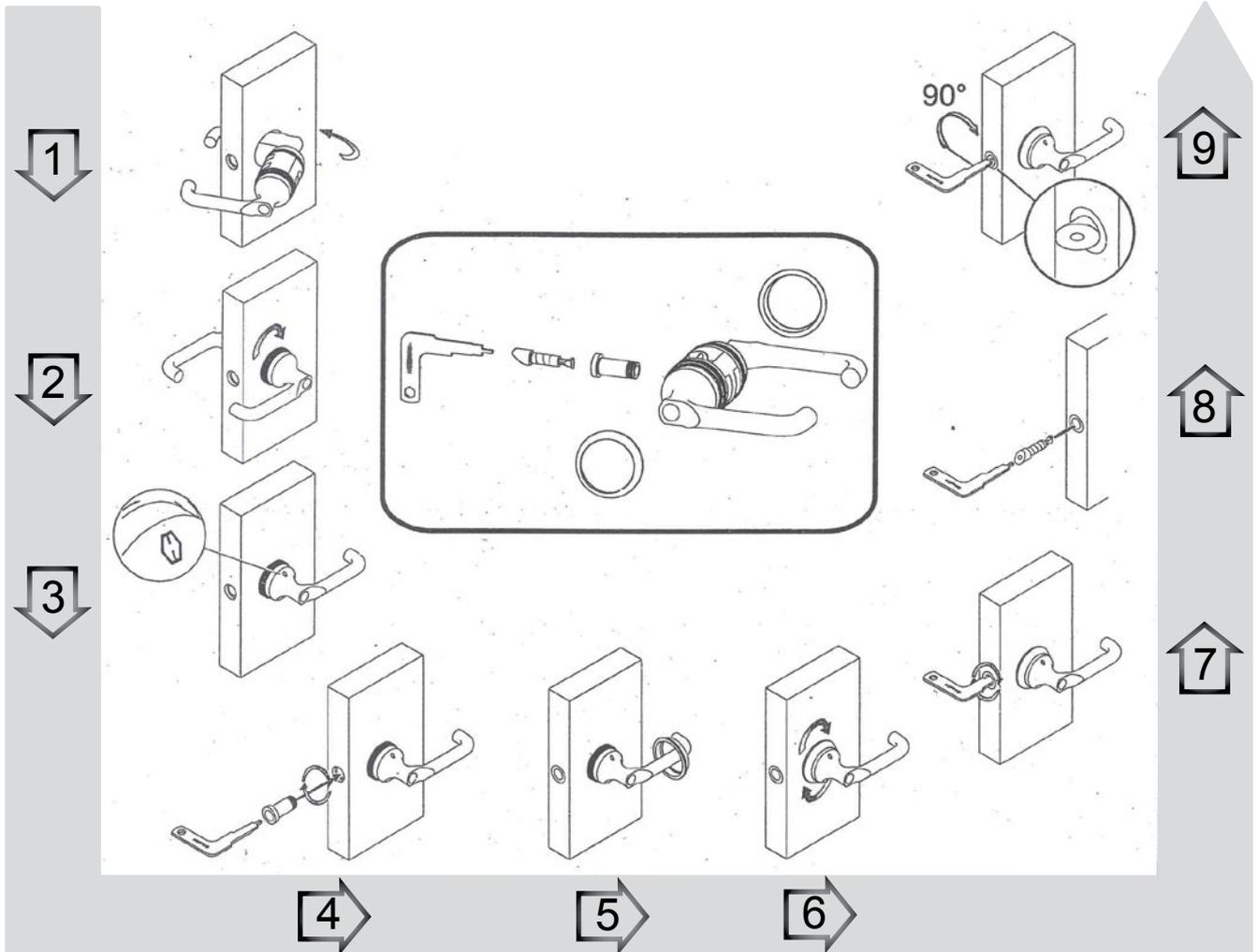
- > Assemble the hinge base parts on the door section.
- > Use the countersunk screws 4,8 x 25 for screwfitting.
- > NO rubber seal is required in this step!

detail	in the prepared condition	in the installed condition
<p>16</p>		

double revolving door (2x)

step 11

assembly of the door handle set



You will need following:

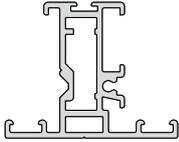
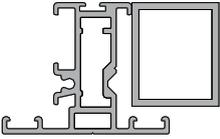
amount	pos.	designation
1	V44	door handle set, 8pcs

> Assemble the door handle set as described above.



double window (2x)

carton 9: Please check the quantity of the supplied profiles.

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	length in mm		
	P29	2	
	door wing profile - left	<i>with hinge drilling</i>	
	1168 mm		
	P30	2	
	door wing profile - right	<i>with hinge drilling</i>	
	1168 mm		
	P31	2	
	door wing profile - middle		
	1168 mm		
	P32	8	
door wing profile - up/down			
638 mm			
	P33	2	
	door wing profile with pipe		
	1168 mm		

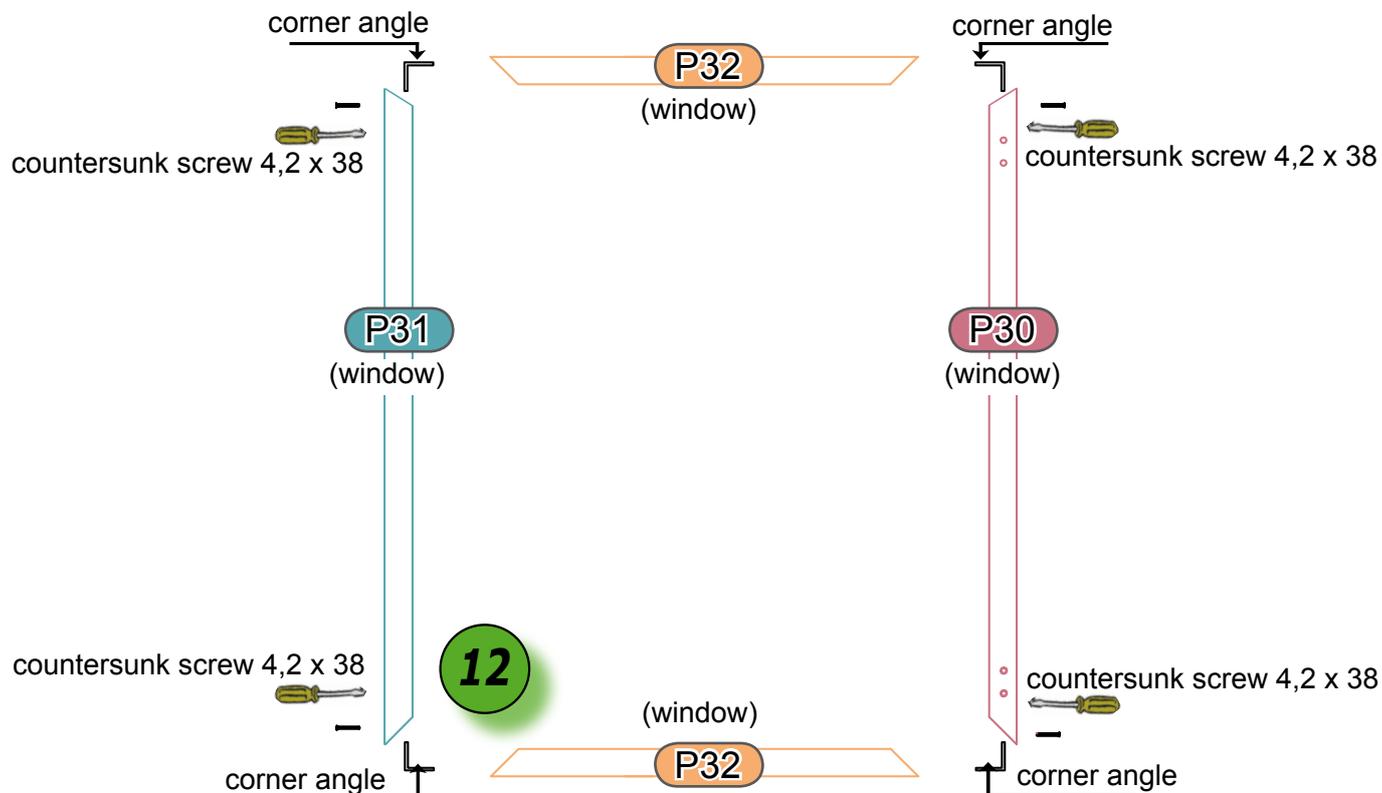
accessories double window (2x)

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	art.-no.		
	V37	8	
	corner angle 50/50/6/24,7		
	9999 0065		
	V28	1	
	sash lock, small	<i>recess-mounted</i>	
	9999 0023		
	V40	2	
	sash lock, large	<i>offset</i>	
	9999 0022		
	S50	4	
	countersunk screw 4,2 x 38	<i>DIN 7982</i>	
	9999 0163		
	S29	4	
	countersunk screw 4,2 x 60	<i>DIN 7982</i>	
	9999 0161		
	S26	4	
	fillister head screw 4,2 x 32	<i>DIN 7981</i>	
	9999 0146		

overview	pos.-no.	required quantity	existing quantity
	designation	purpose of use	
	art.-no.		
	hand lifting device incl. stationary mandrel (V85) consisting of:	4	
	S1	6	
	nut M6		
	9999 0128		
	S24	8	
	star grip M6		
	9999 0363		
	V115	4	
	fixing bracket		
	9999 0		
	S5	4	
	hexagon head screw M6 x16		
	9999 0183		
	S2	2	
	hexagon head screw M6 x30		
	9999 0126		
	S55	2	
	flat nut M6		
	9999 0186		

double window (2x)

step 12 assembly of the double window wing - right - view from outside



You will need following:

amount	pos.	designation
1	P30	door wing profile - right (1168 mm)
1	P31	door wing profile - middle (1168 mm)
2	P32	door wing profile - top/bottom (638 mm)
4	V37	corner angle 50/50/6
8	S50	countersunk screw 4,2 x 38

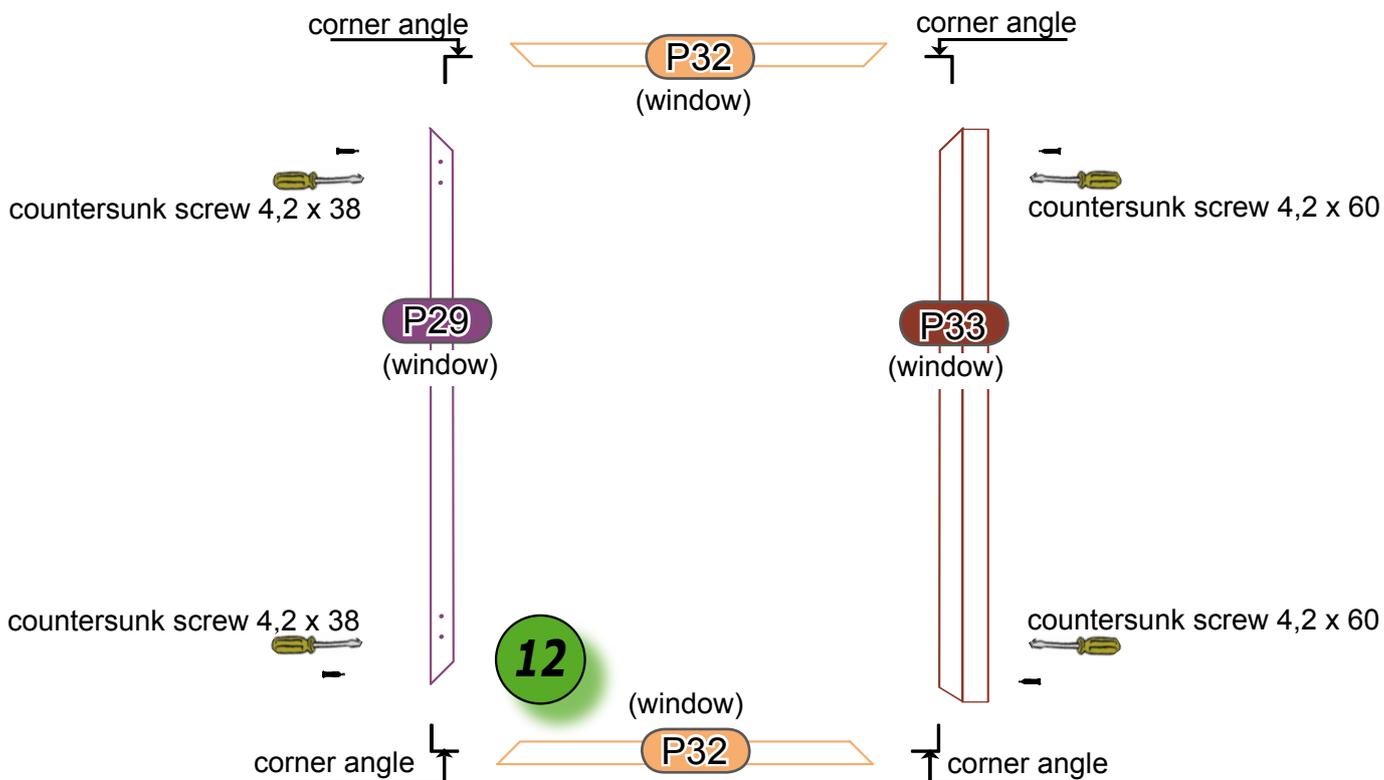
- > Slide the corner angles into the door wing profile - right - and into the door wing profile - middle.
- > Slide the door wing profile - top/bottom - on the corner angles, so that a complete frame is formed.
- > Screw the frame in the corners with the countersunk screws 4,2 x 38.

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 209 533">12</p>		

double window (2x)

step 13

assembly of the double window wing - left -



You will need following:

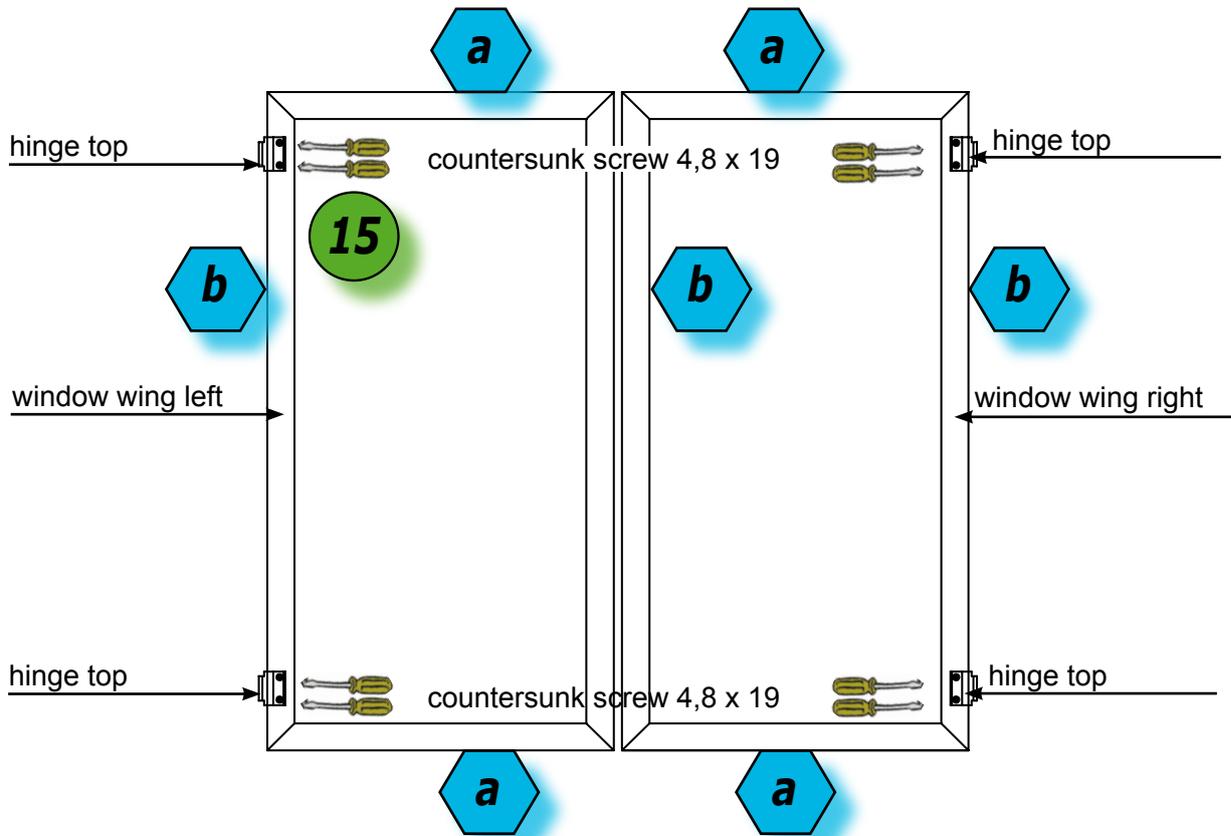
amount	pos.	designation
2	P29	door wing profile - left (1168 mm)
4	P33	door wing profile with preassembled rect. pipe 30/25/2 (1168 mm)
8	P32	door wing profile - top/bottom (638 mm)
4	V37	corner angle 50/50/6
2	S50	countersunk screw 4,2 x 38
2	S29	countersunk screw 4,2 x 60

- > Slide the corner angles into the door wing profile - left - and into the door wing profile - middle.
- > Slide the door wing profile - top/bottom - on the corner angles, so that a complete frame is formed.
- > Screw the frame (on the side with the preassembled rectangular pipe) in the corners with the countersunk screws 4,2 x 60.
- > On the opposite side you need the countersunk screws 4,2 x 38.

detail	in the prepared condition	in the installed condition
<p data-bbox="129 450 217 539">12</p>		

double window (2x)

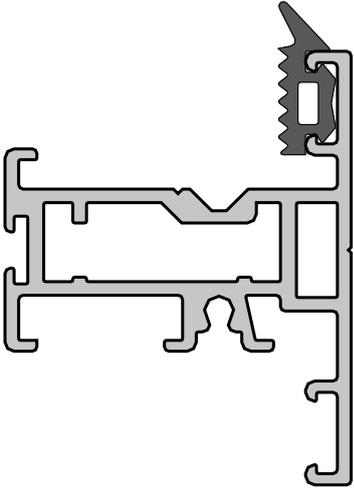
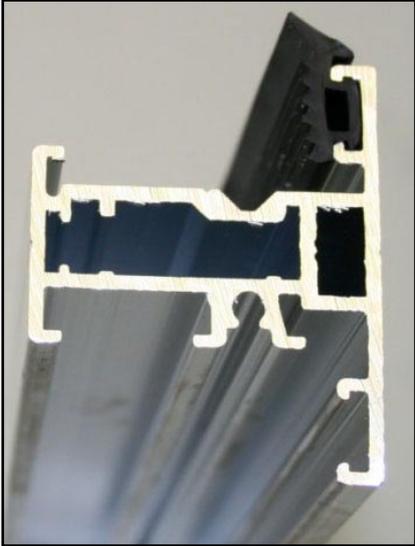
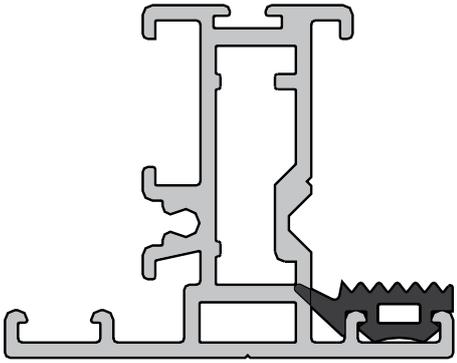
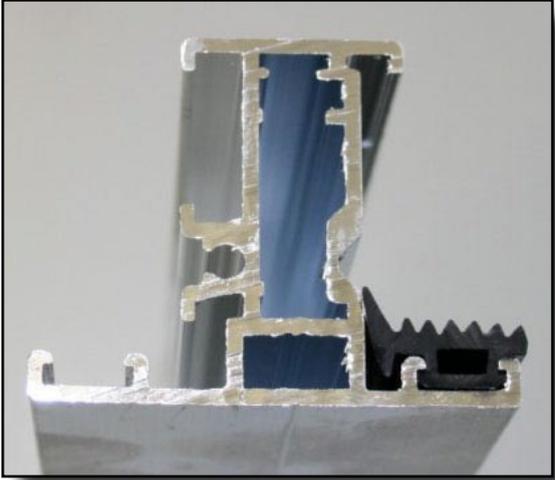
step 14 assemble of the hinge tops -
view from outside



You will need following:

amount	pos.	designation
6		hinge top
12	S25	countersunk screw 4,8 x 19
9 m	V41	upper profile gasket 3 mm

- > Assemble the hinge tops on the window wings left and right.
- > Use the countersunk screws 4,8 x 19 for screwfitting.
- > Now press as shown above, the seal into the groove of the door wing profile (a and b). In the corners you cut the seal with a scissor to miter.

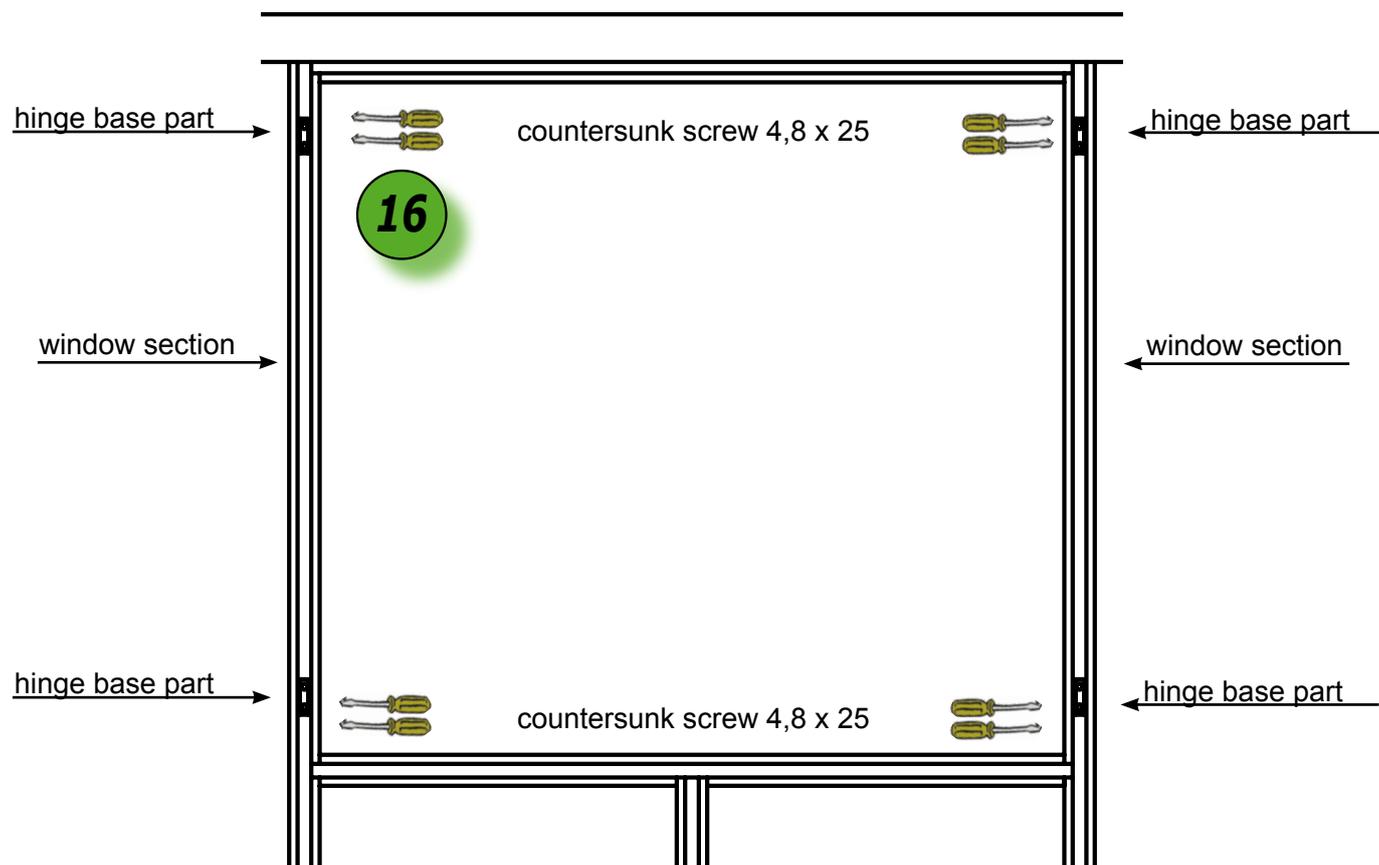
detail	in the prepared condition	in the installed condition
<p data-bbox="129 450 225 539">15</p>		
<p data-bbox="129 1099 225 1189">a</p>		
<p data-bbox="129 1783 225 1872">b</p>		

double window (2x)

step 15

view from outside

assemble of the hinge base parts -



You will need following:

Amount	pos.	designation
6		hinge base part
12	S18	countersunk screw 4,8 x 25

- > Assemble the hinge base parts on the door section.
- > Use the countersunk screw 4,8 x 25 for screwfitting.
- > NO rubber seal is required in this step.

detail	in the prepared condition	in the installed condition
<p>16</p>		

gaskets

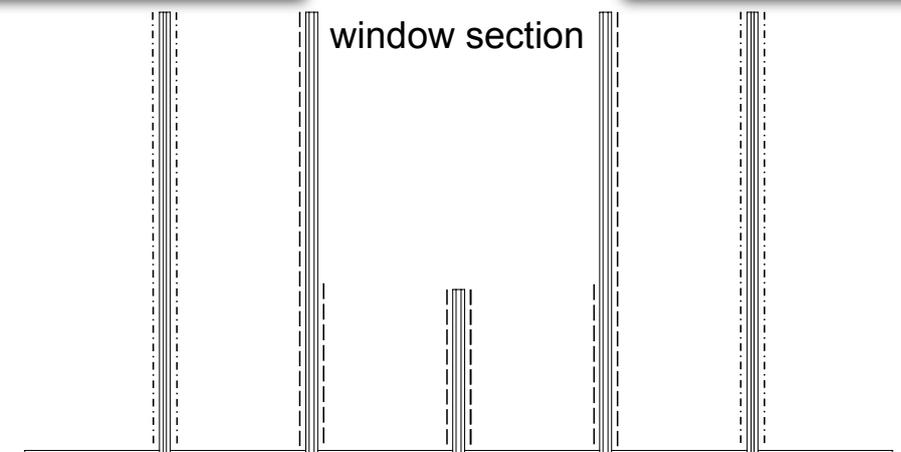
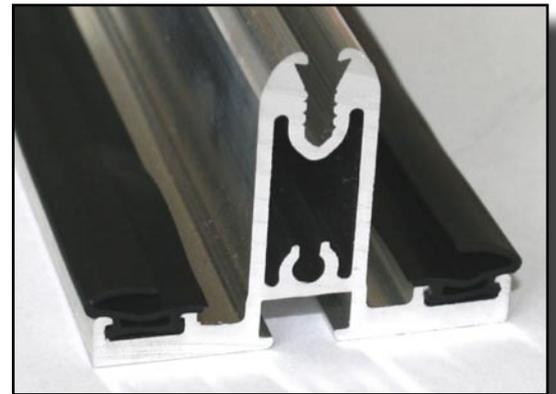
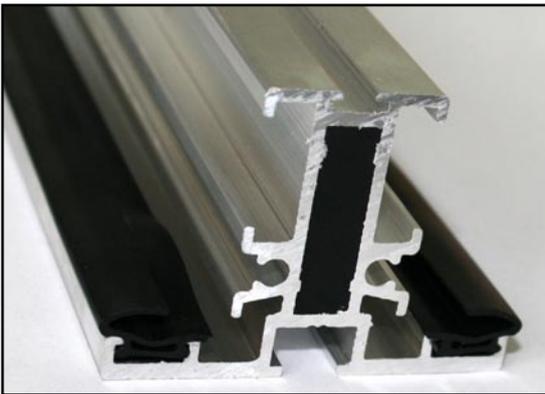
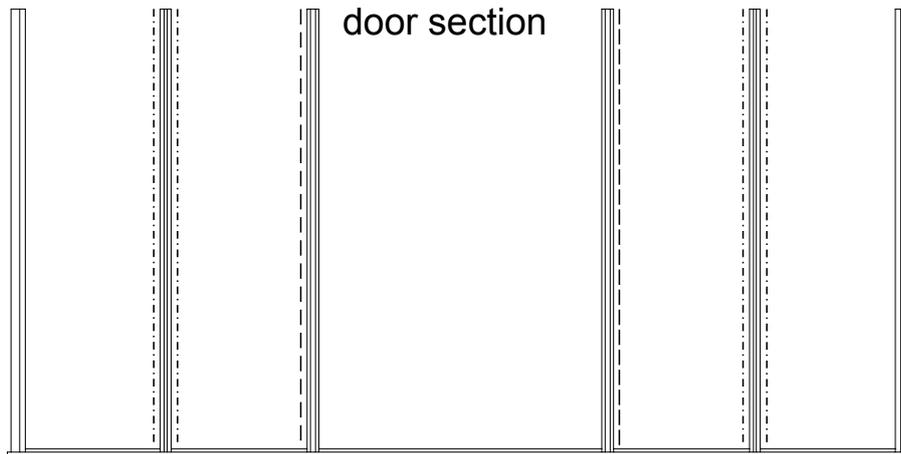
step 16

set the construction gasket 1 mm [V114] (2x per profile)

Note: Use V41 in place of V114



*Compress the gaskets when setting in,
as they pull together when its cold.*



- dash-dot-line: KPT-profile
dashed line: TR-profile
- Make sure that 1 mm lip of the seal shows to the inside of the profile, when pressing in the systems gasket.

gaskets

step 17

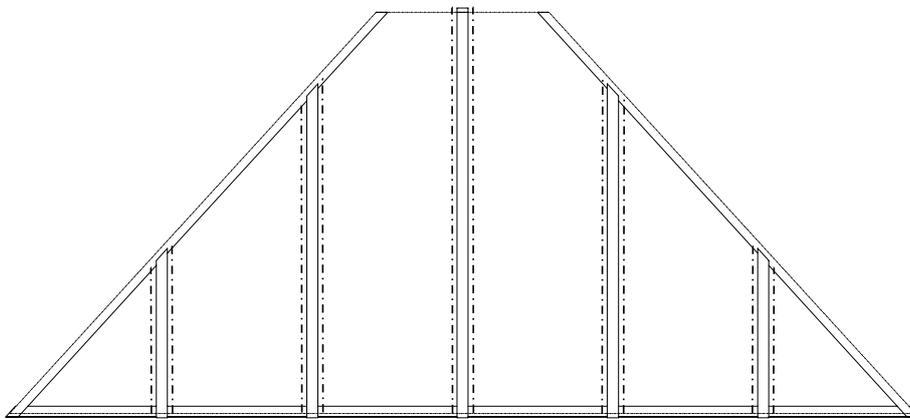
set the construction gasket 1 mm [V114] (2x per profile)

Note: Use V41 in place of V114



*Compress the gaskets when setting in,
as they pull together when its cold.*

roof section

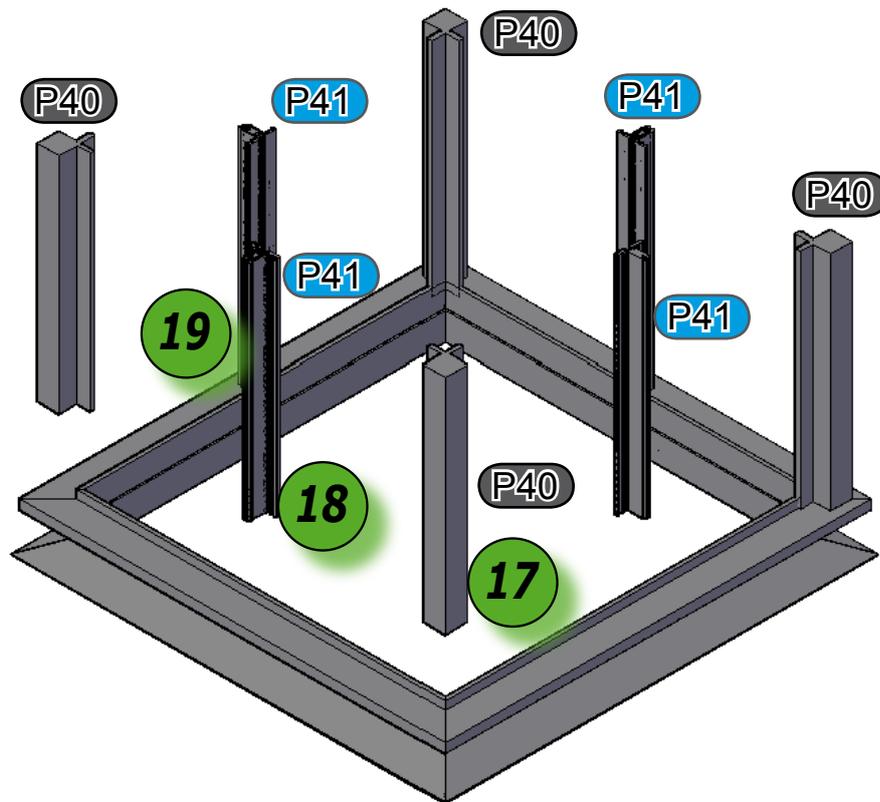


- dash-dot line: KPT-profile
- Before you assemble the roof profiles, pull the gasket into the KPT-profile.
- Make sure that 1 mm lip of the seal shows to the inside of the profile, when pressing in the systems gasket.

dome

step 18

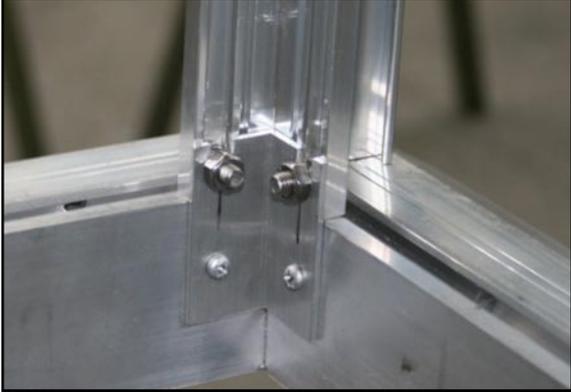
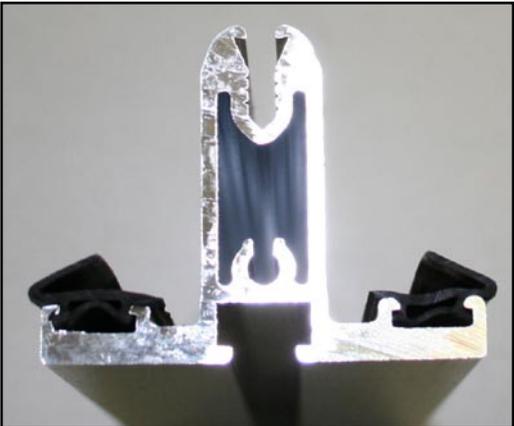
assembly of the dome



You will need following:

amount	pos.	designation
1	P38	lower pressure ring (788 mm)
4	P40	edge profile (400 mm)
4	P41	KPT-profile (400 mm)
12	S12	hexagon head screw M6 x 12
12	S5	hexagon head screw M6 x 16
12	S1	nut M6
4 m	V114	construction gasket 1 mm

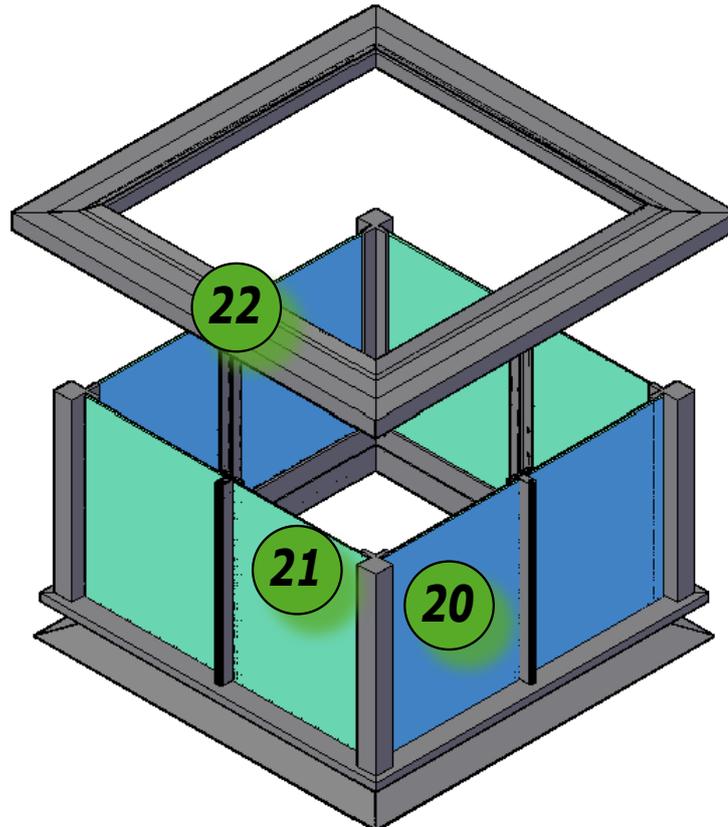
- > Assemble the edge or middle profiles with hexagon head screws M6 x 12 to the lower pressure ring and fasten them to nut M6.
- > Insert an additional screw M6 x 12 into the profiles.
- > The hexagon head screws M6 x 16 come in the lower pressure ring. Now you can connect them loosely with a nut M6.
- > Press the construction gasket in the groove of the KPT-profile.

detail	in the prepared condition	in the installed condition
<p data-bbox="129 450 213 533">17</p>		
<p data-bbox="129 1133 213 1216">18</p>		
<p data-bbox="129 1760 213 1843">19</p>		

dome

step 19

assembly of the dome



You will need following:

amount	pos.	designation
1	P39	upper pressure ring (722 mm)
8		glazing 308 x 422 mm
12	S12	hexagon head screw M6 x 12
12	S1	nut M6

- > Slide the glazing in.
- > Then the upper pressure ring gets placed, while the glazing is „threaded“.
- > Then screw the profiles with the hexagon head screws M6 x 12 and nut M6 on to the upper pressure ring.



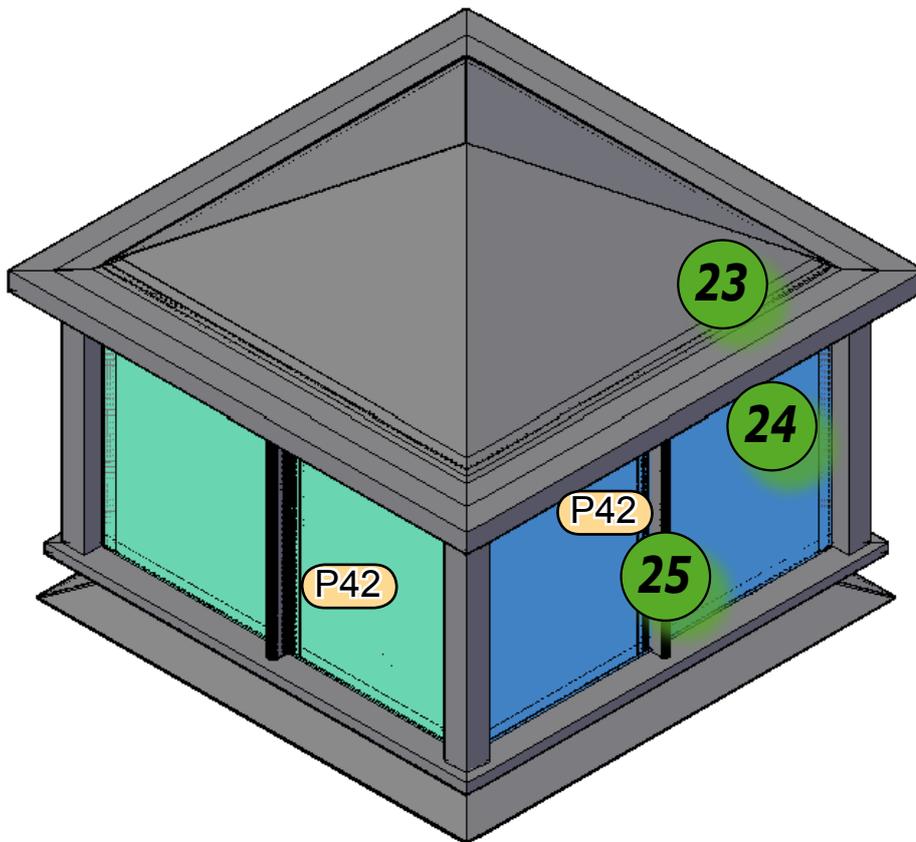
To avoid a falling out glazing, simply press a piece of GHD-gasket into the edge profile.

detail	in the prepared condition	in the installed condition
<p data-bbox="129 450 217 539">20</p>		
<p data-bbox="129 1133 217 1223">21</p>		
<p data-bbox="129 1749 217 1839">22</p>		

dome

step 20

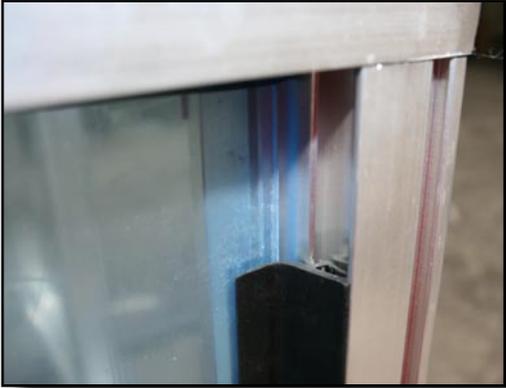
assembly of the dome



You will need following:

amount	pos.	designation
1	P43	hood
4	P42	cover profile 400 mm incl. profile gasket 2 mm
8	S45	fillister head screw 4,2 x 16
8	S43	drill screw 3,5 x 16
1	V103	silicone
	V42	gasket GHD 1
10	V23	wedge gasket 4 - 6 mm

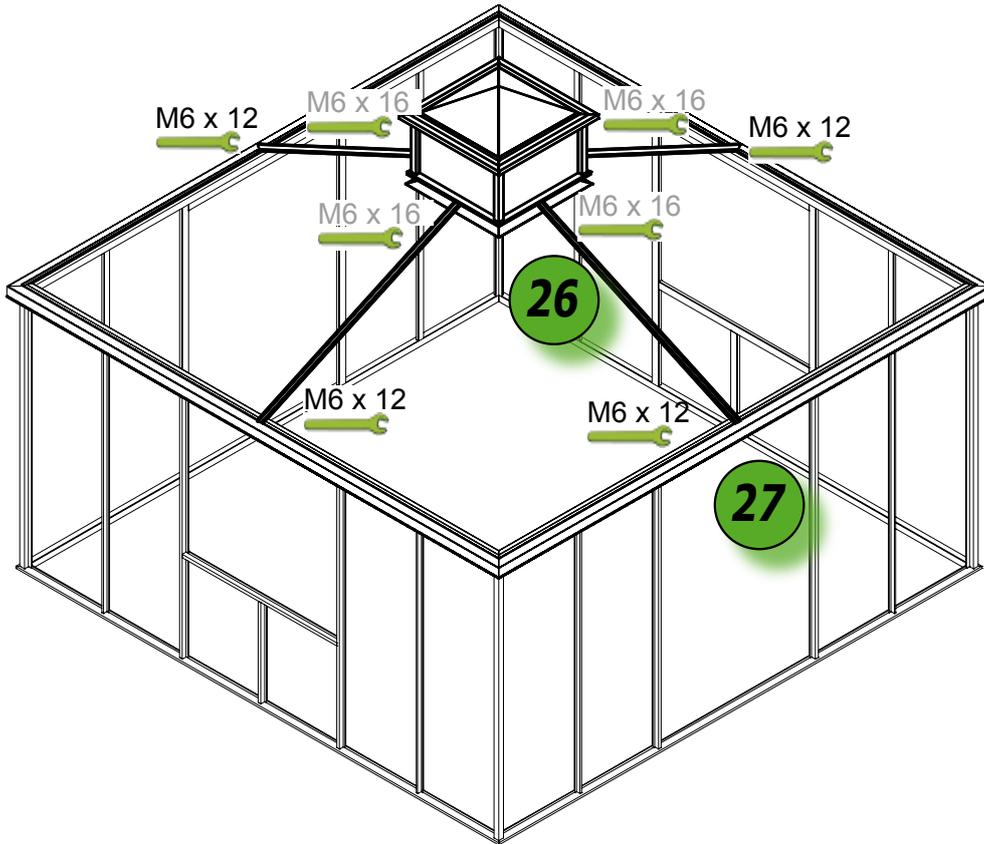
- > Glue on the hood by placing a stripe of silicone in place of the upper compression ring and then fix the hood on it.
- > For additional fixing of the hood use the drilling screws 3,5 x 16.
- > Now press the wedge gasket in the bottom and top.
- > Assemble the cover profile with fillister head screw 4,2 x 16. See the hints of page 79.
- > Press the GHD-gasket in the edge profiles.

detail	in the prepared condition	in the installed condition
<p data-bbox="129 450 217 539">23</p>		
<p data-bbox="129 1128 217 1218">24</p>		
<p data-bbox="129 1756 217 1845">25</p>		

roof section

step 21

assembly of the middle roof profiles and the dome



You will need following:

amount	pos.	designation
1		dome
4	P13	KPT-profile (1787 mm)
4	S12	hexagon head screw M6 x 12
4	S5	hexagon head screw M6 x 16 (pre-assembled in dome)
4	S1	nut M6 (pre-assembled in dome)
4	S1	nut M6



The height of the dome (110 inches/ca. 2800 mm) achieved by the assembly of the KPT-profiles.



For this step you need helping hands that hold the dome. Tip: may be use two 2" x 4" timber to support the dome temporarily.



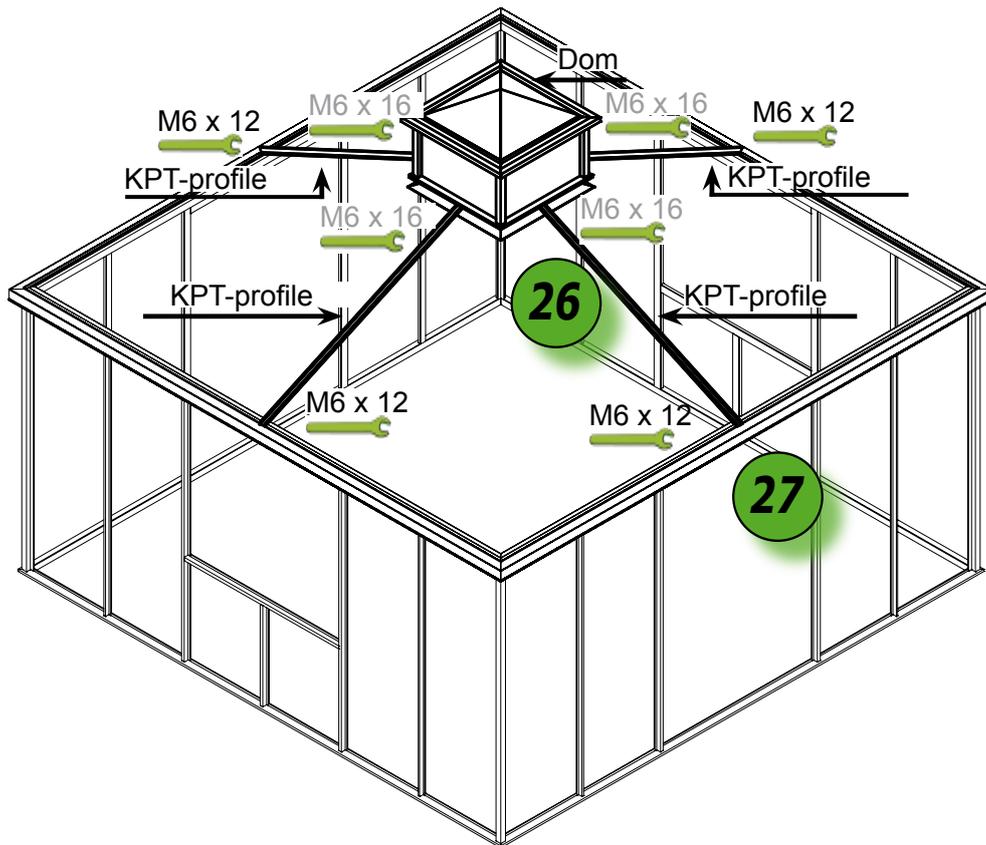
The hexagon head screws M6 x 16 that are preassembled in the dome, you will need to attach the KPT-profiles.

detail	in the prepared condition	in the installed condition
<p data-bbox="135 448 215 537">26</p>		
<p data-bbox="135 1120 215 1209">27</p>		

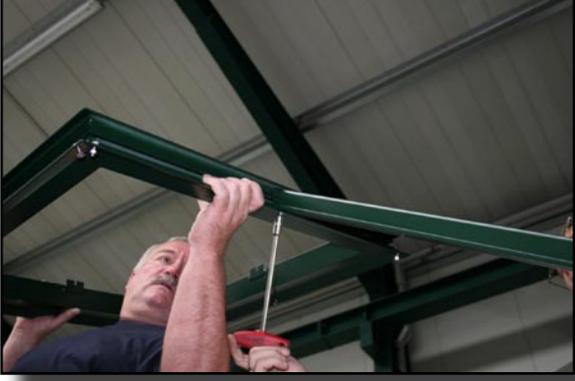
roof section

step 22

assembly of the middle roof profiles and the dome



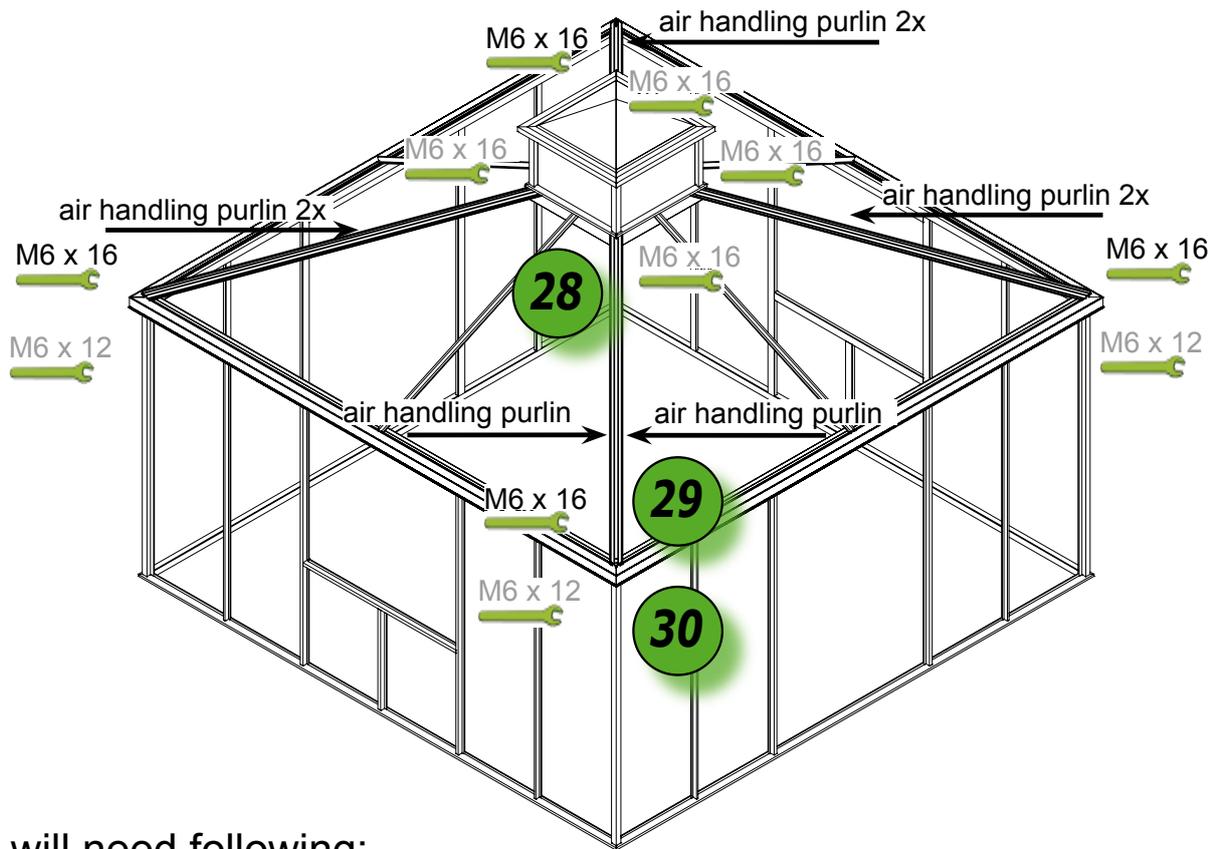
- Begin with the middle KPT-profiles.
- Loosen the middle screw connection (hexagon head screw M6 x 12 and nut M6) in the dome, then install the KPT-profile to the dome.
- Fasten the KPT-profiles with the hexagon head screws M6 x 12 and nut M6 at the bottom of the groove connection.
- Repeat this process.

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 220 539">26</p>		
<p data-bbox="132 1122 220 1211">27</p>		

roof section

step 23

assembly of the roof profile (edge)

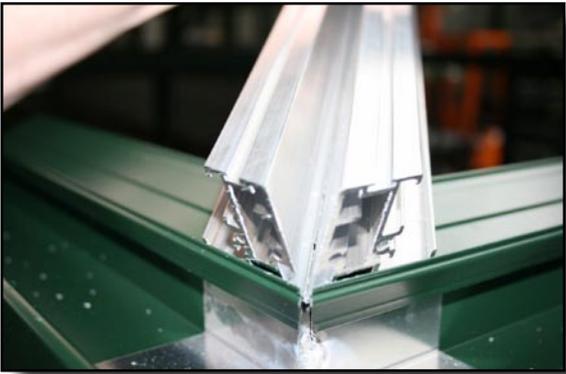


You will need following:

amount	pos.	designation
1		drilling machine with drill Ø6,5 mm
8	P19	air handling purlin (2415 mm)
4	V106	edge connector drain - inside -
8	S5	hexagon head screw M6 x 16 (pre-assembled in dome)
8	S5	hexagon head screw M6 x 16
8	S1	nut M6 (pre-assembled in dome)
16	S1	nut M6



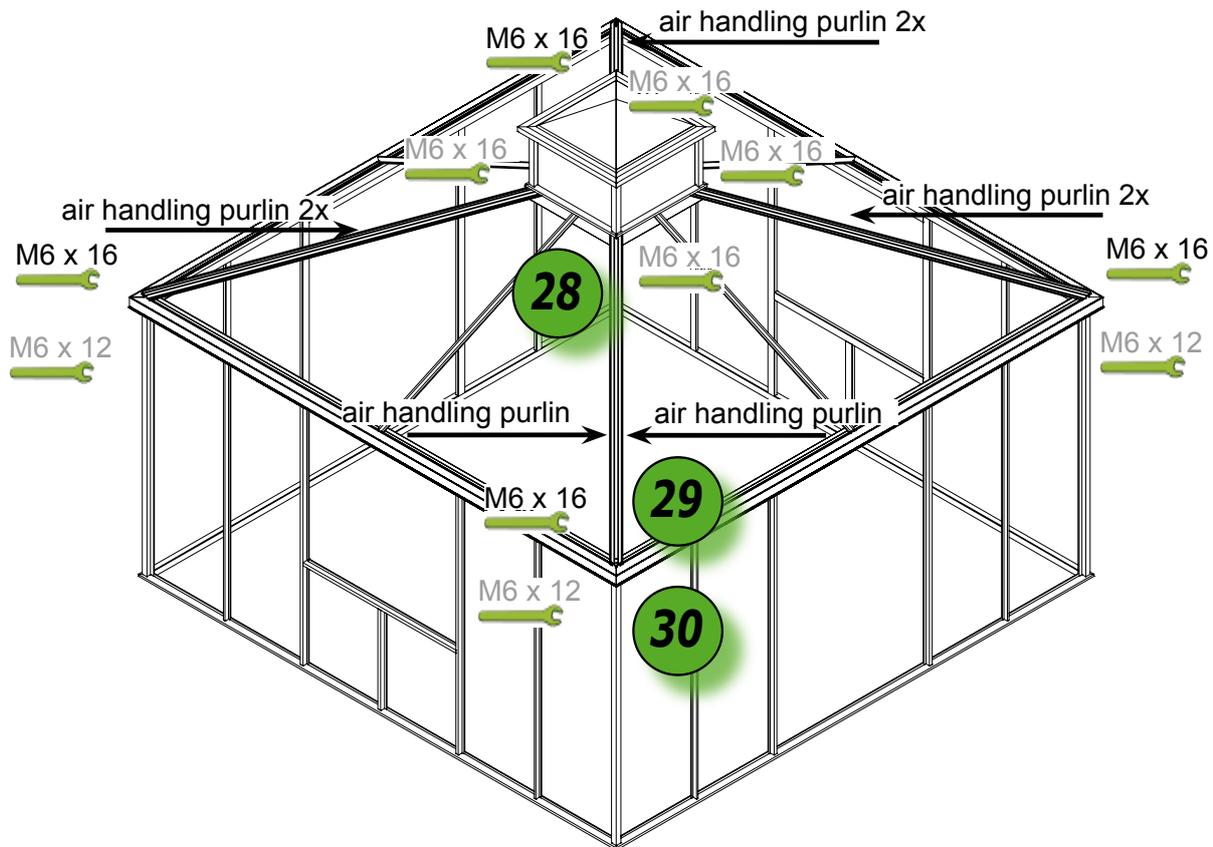
In this step, it is necessary that you have to drill some holes by yourself.

detail	in the prepared condition	in the installed condition
<p data-bbox="129 450 220 539">28</p>		
<p data-bbox="129 1122 220 1211">29</p>		
<p data-bbox="129 1749 220 1839">30</p>		

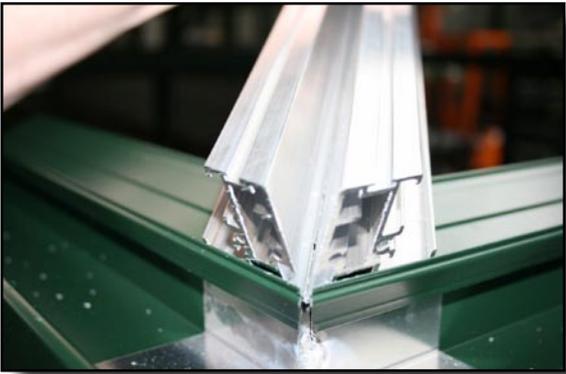
roof section

step 24

assembly of the roof profiles (edge)



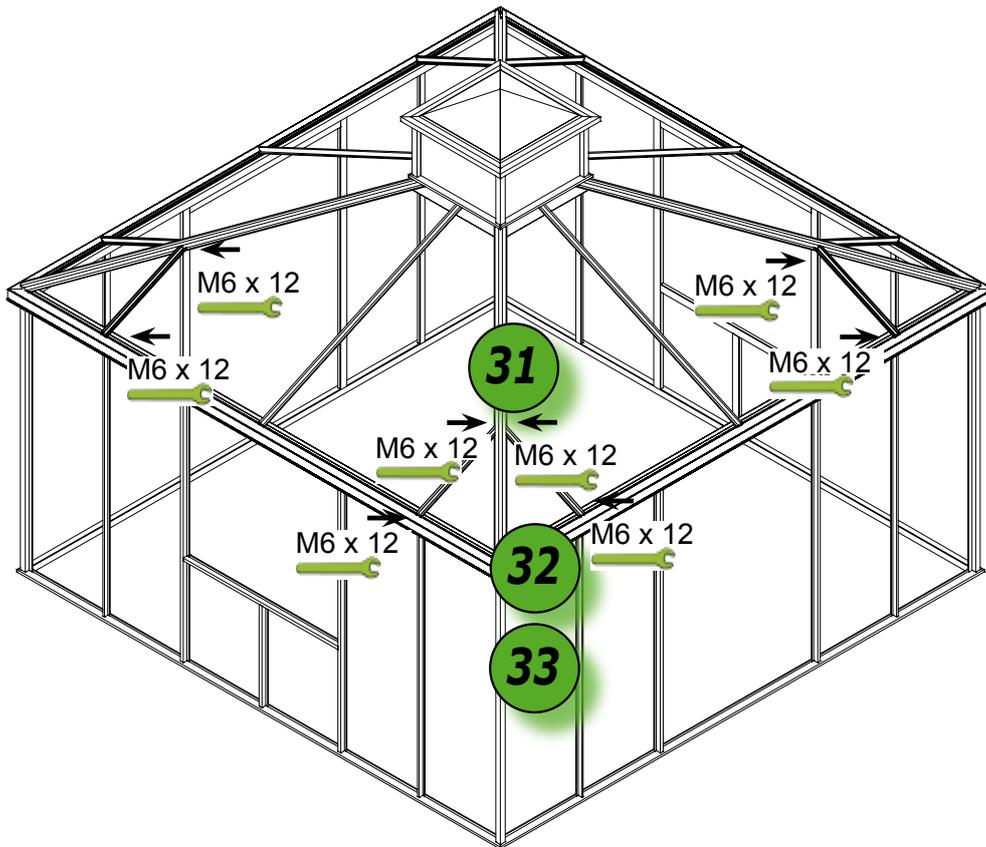
- Begin with the assembly of the air handling purlin on the dome. For this loosen the connection (hexagon head screw M6 x 16 und nut M6), place the air handling purlin and screw these components together.
- For this take the counterpart of the air handling purlin to hand and proceed as described above. The air handling purlin sits inside the drain in the drain area.
- Now you need the edge connector drain - inside -. Put the edge connector on the hexagon head screws M6 x 12, which you have threaded in, in step 2 and step 5. Connect the parts together loosely.
- The edge connector is pushed up as far as possible. Thus, is the fitting of the drill holes that you need to drill, so that you can screw the air handling purlin to it. For this step use the drill $\text{Ø}6,5 \text{ mm}$.
- Lift the air handling purlin a little, so that you can set in a screw M6 x 16. Now place the air handling purlin through the drain connection and the edge connectors drain - inside -, to connect all parts with nut M6.
- Repeat this process in the other corners.
- Now all screws and nuts can be tightened.

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 220 539">28</p>		
<p data-bbox="132 1122 220 1211">29</p>		
<p data-bbox="132 1749 220 1839">30</p>		

roof section

step 25

assembly of the roof profiles - 1 -



You will need following:

amount	pos.	designation
8	P15	KPT-profile (739 mm)
4	V110	connector roof profile
16	S12	hexagon head screw M6 x 12
16	S1	nut M6



For lack of space only the amount of screws of the front profiles are shown.

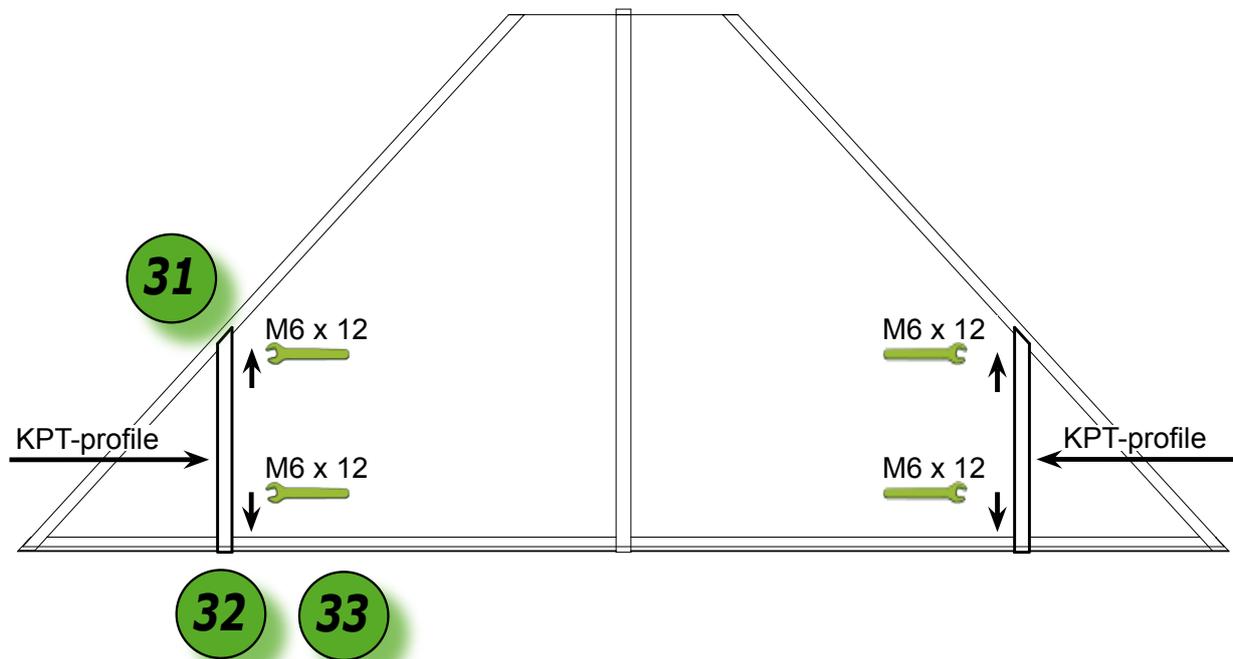


For better understanding also note the following page!

roof section

step 25a

assembly of the roof profiles - 1 -

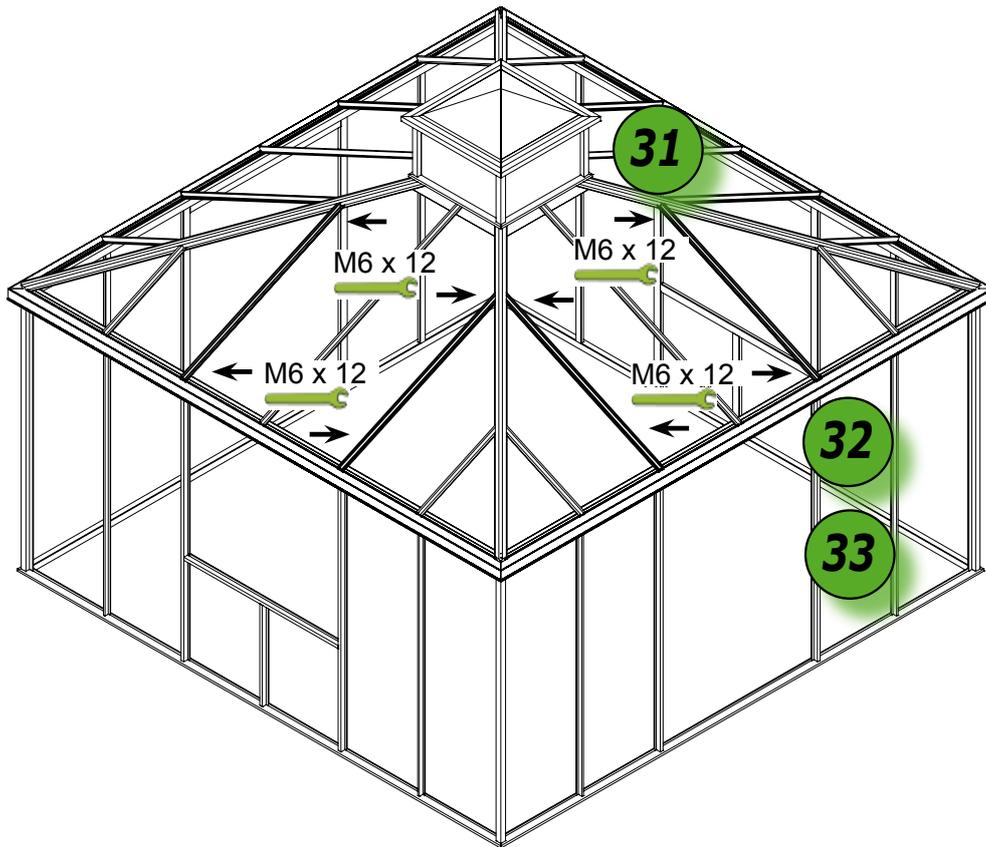


- Slide the displayed amount of hexagon head screws M6 x 12 in the groove of the KPT-profiles.
- Screw the KPT-profile to the drain connection.
- Now stuck the roof profile connector loosely on the hexagon head screw. The hub of the connector is given by the assembly of the remaining KPT-profiles.
- Repeat this process with the remaining KPT-profiles --> 2x per roof section.
- Now all screws and nuts can be tightened.

roof section

step 26

assembly of the roof profiles - 2 -



You will need following:

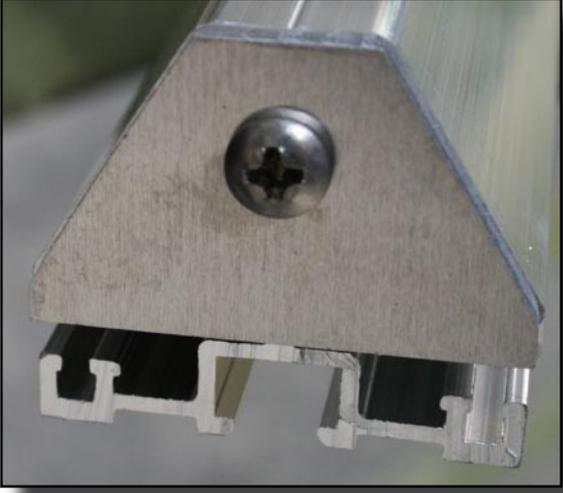
Amount	pos.	designation
8	P14	KPT-profile (1453 mm)
4	V110	connector roof profile
20	V111	end cap roof profile
16	S12	hexagon head screw M6 x 12
16	S1	nut M6
	S45	fillister head screw 4,2 x 16



For lack of space only the amount of screws of the front profiles are shown.



For better understanding also note the following page!

detail	in the prepared condition	in the installed condition
<p data-bbox="129 450 220 539">31</p>		
<p data-bbox="129 1122 220 1211">32</p>		
<p data-bbox="129 1760 220 1850">33</p>		

glazing

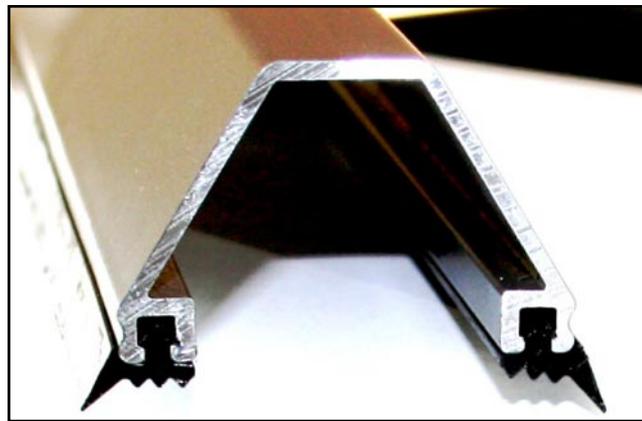
What you should know before glazing the teahouse ...



You need helping hands for glazing the teahouse.



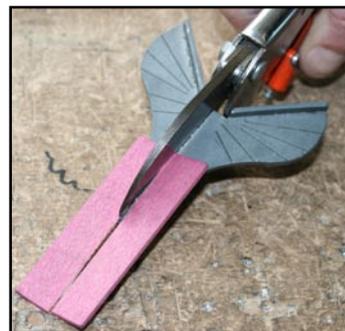
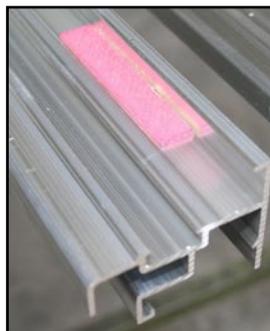
Pull the profile gaskets 2 mm through all covering profiles 6 mm.



To achieve better stability, you begin the glazing with the angle-glaze in the side sections.



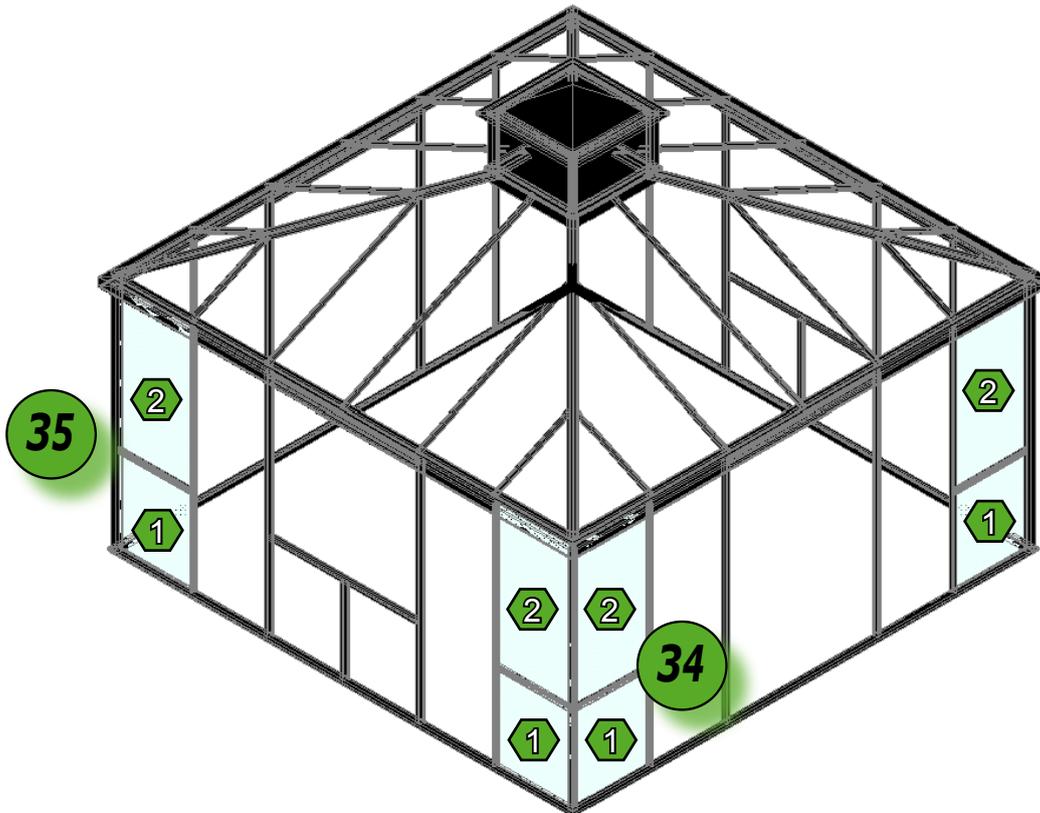
So the glass of the side sections does not get in touch with metal, please prepare the glassblocks. This only effects glazing in the soil profile. The glass blocks will be devided according to the length with scissors or pincers.



glazing

step 27

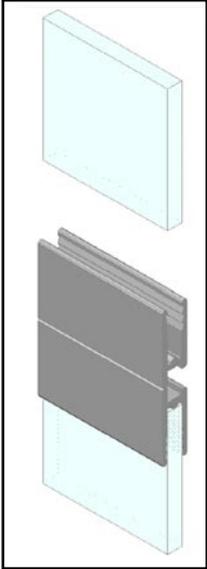
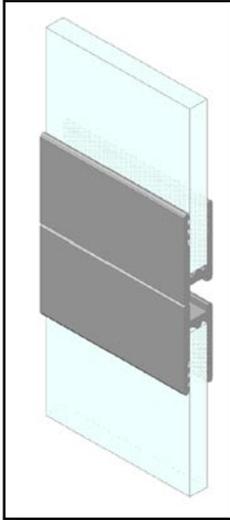
insert the side glazing - 1 and 2 -



You will need following:

amount	pos.	designation
2	(1)	glazing 724 x 631 mm
2	(2)	glazing 1212 x 631 mm
2	P9	H6-rail 637 mm
4	V102	glass block 3 mm (red)
	V42	GHD- gasket 1

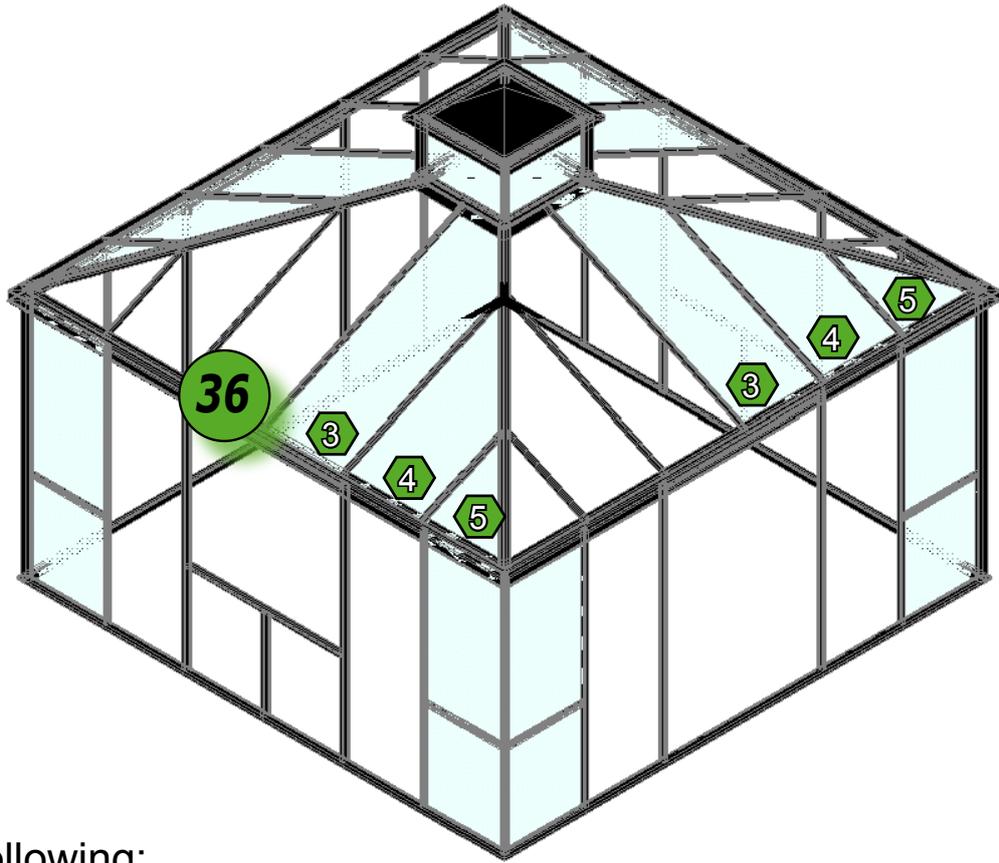
- > Put the glass block halves on the soil profile.
- > Take the glazing 724 x 631 mm (1) and place them onto the soil profile.
- > Set the H6-rail on the glazing (1).
- > Now take the glazing 1212 x 631 mm (2). Place this into the H6-rail.
- > So the glass does not fall out, pull the GHD- gasket 1 through the side profiles.
- > Repeat this process in every corner area.

detail	in the prepared condition	in the installed condition
<p style="text-align: center;">34</p>		
<p style="text-align: center;">35</p>		

glazing

step 28

insert the roof glazing - 3, 4 and 5 -



You will need following:

amount	pos.	designation
1	(3)	glazing 1779 x 634 mm
1	(4)	glazing 1407 x 634 mm
1	(5)	glazing 689 x 625 mm
1	P17	covering profile 6 mm (1453 mm)
1	P18	covering profile 6 mm (739 mm)
	S45	fillister head screw 4,2 x 16

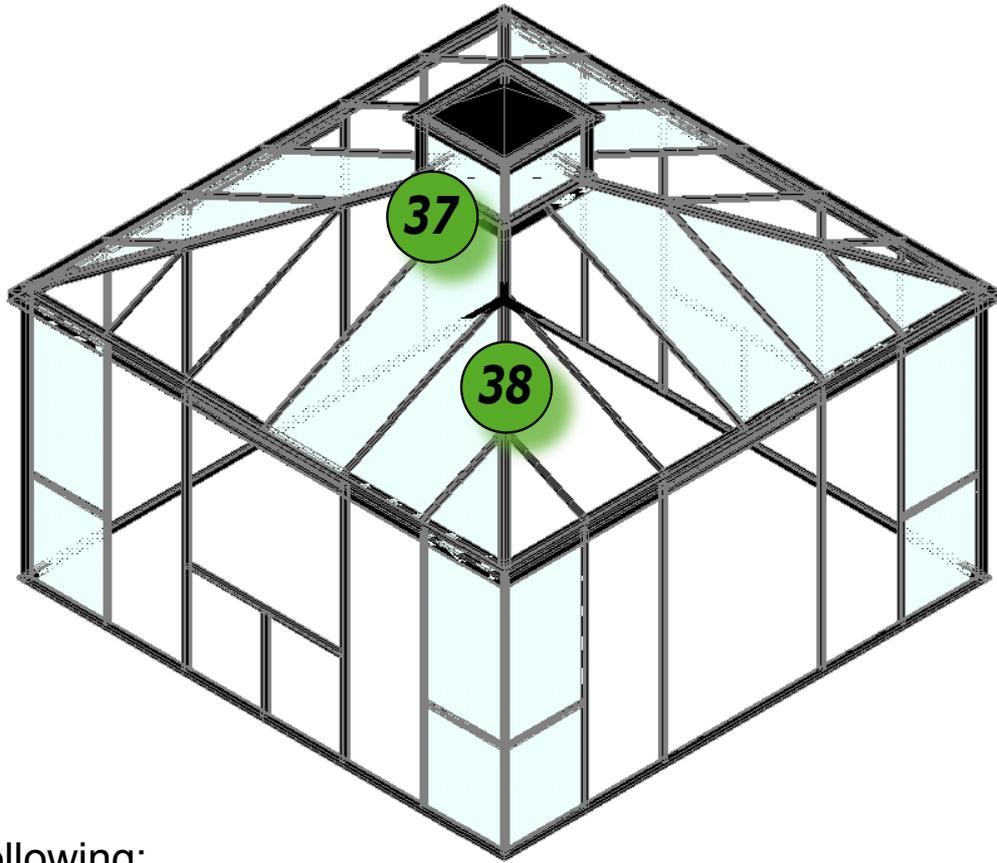
- Start with the glazing (3). Place it on the KPT-profiles.
- Now the middle glazing (4) starts.
- Screw the covering profile 6 mm (1453 mm) on the KPT-profile. For this you need the fillister head screw 4,2 x 16.
- Now place the triangular glazing (5).
- Screw the covering profile 6 mm (739 mm) on the KPT-profile.
- Repeat this process in all sections.

detail	in the prepared condition	in the installed condition
<p data-bbox="129 472 217 562">36</p>		

glazing

step 29

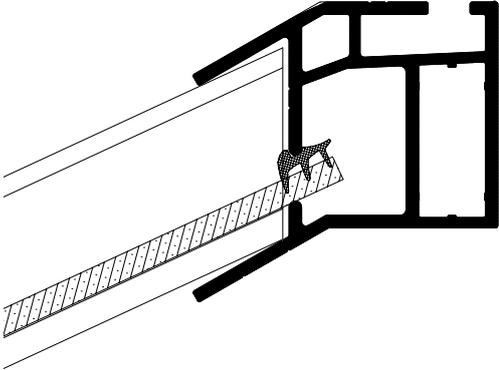
assembly the cover angles



You will need following:

amount	pos.	designation
4	P20	cover angle (2435 mm)
16	S43	drill screws 3,5 x 16
4 lfdm.	V23	wedge gasket 4 - 6 mm

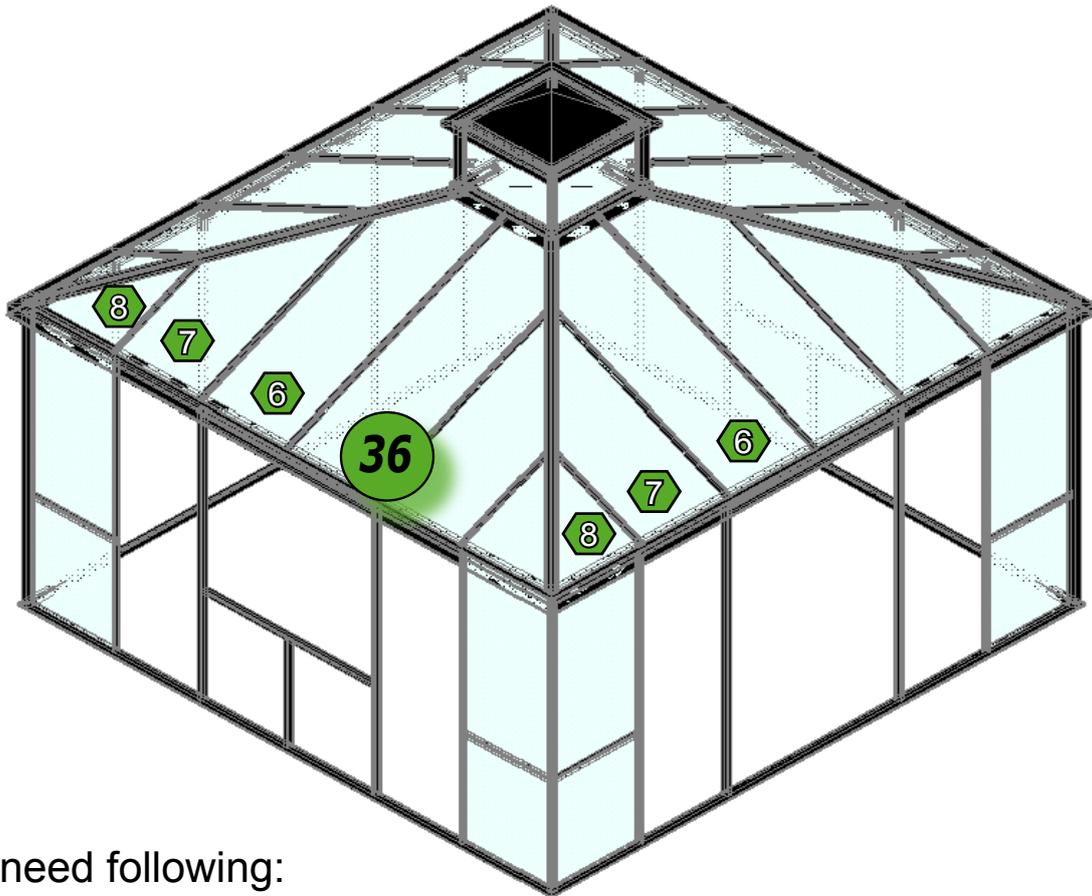
- > The wedge gasket 4 - 6 mm is pressed in the circumferential area of the dome, namely, where the glazing is pushed into the dome.
- > Screw the cover angle on to the air handling purlin with drill screws 3,5 x 16.

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 209 533">37</p>		
<p data-bbox="132 1122 209 1205">38</p>		

glazing

step 30

insert the roof glazing - 6, 7 and 8 -



You will need following:

amount	pos.	designation
1	(6)	glazing 1779 x 634 mm
1	(7)	glazing 1407 x 634 mm
1	(8)	glazing 689 x 625 mm
1	P16	covering profile 6 mm (1787 mm)
1	P17	covering profile 6 mm (1453 mm)
1	P18	covering profile 6 mm (739 mm)
	S45	fillister head screw 4,2 x 16

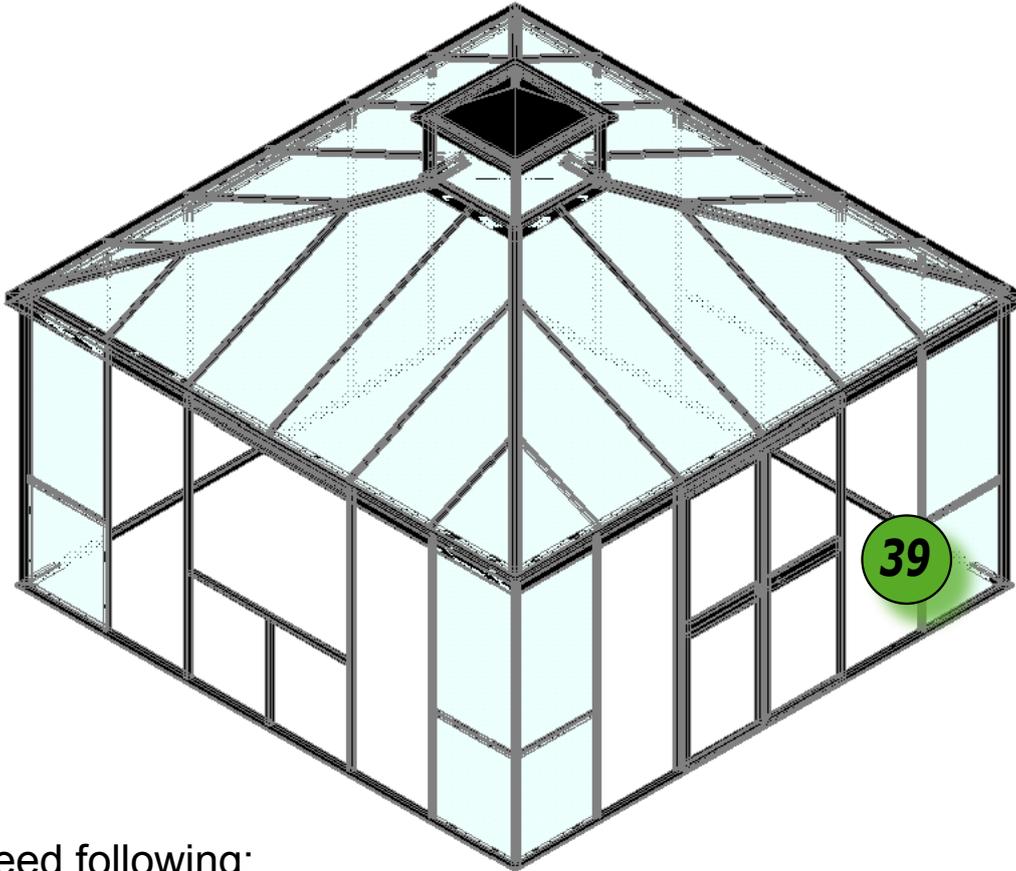
- > Put the glazing (6) on the KPT-profile.
- > Screw the covering profile 6 mm (1787 mm) on the KPT-profile. For this you will need the fillister head screws 4,2 x 16.
- > Now the middle glazing starts (7).
- > Screw the covering profile 6 mm (739 mm) on the KPT-profile.
- > Finally the glazing (8) follows. Assemble the covering profile 6 mm (739) mm with fillister head screws 4,2 x 16 to the KPT-profile.
- > Repeat this process in all sections.

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 220 539">36</p>		

double revolving door (2x)

step 31

insert the double revolving door



You will need following:

amount	pos.	designation
1		double wing revolving door right
1		double wing revolving door left
6		hinge pin
6	S49	snap ring

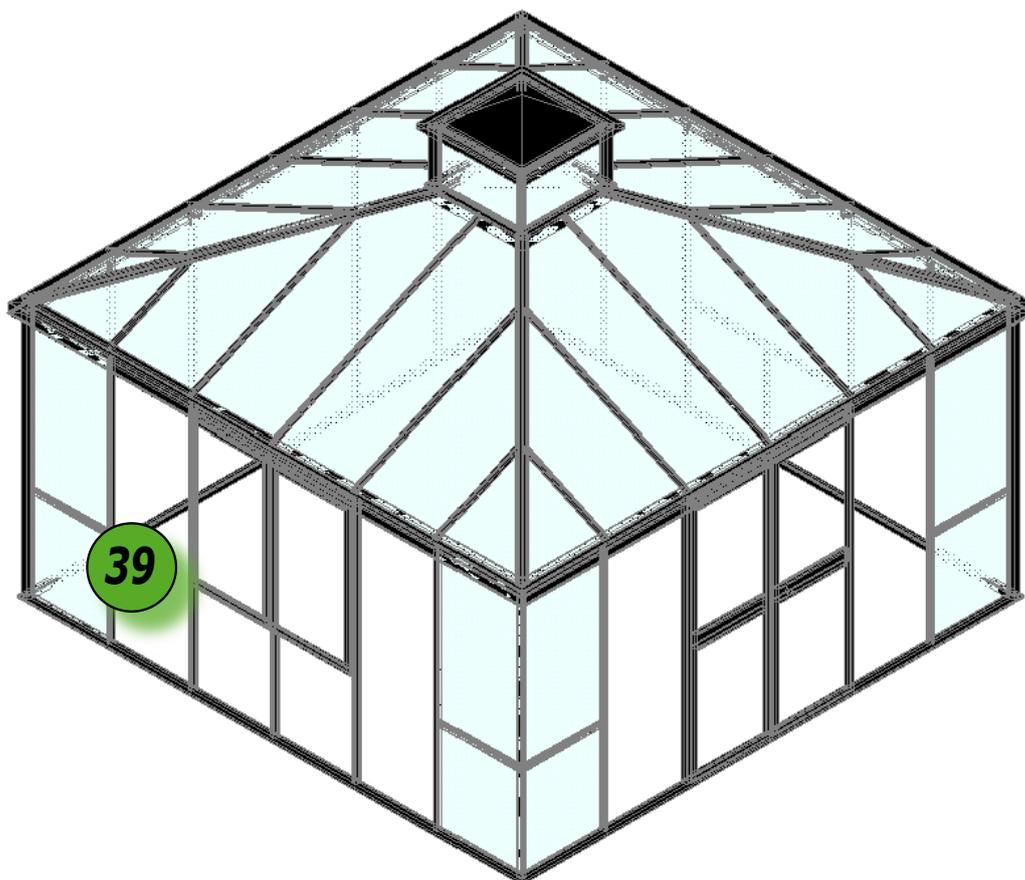
- > Put the double wing revolving door between the hinges, so that you can slide the hinge pins through the hinge base part or hinge top without problems.
- > Secure the cotters with the snap ring. These prevent the hinge pins of falling out.

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 220 539">39</p>		

double window (2x)

step 32

insert the double window



You will need following:

amount	pos.	designation
1		double window wing right
1		double window wing left
6		hinge pin
6	S49	snap ring

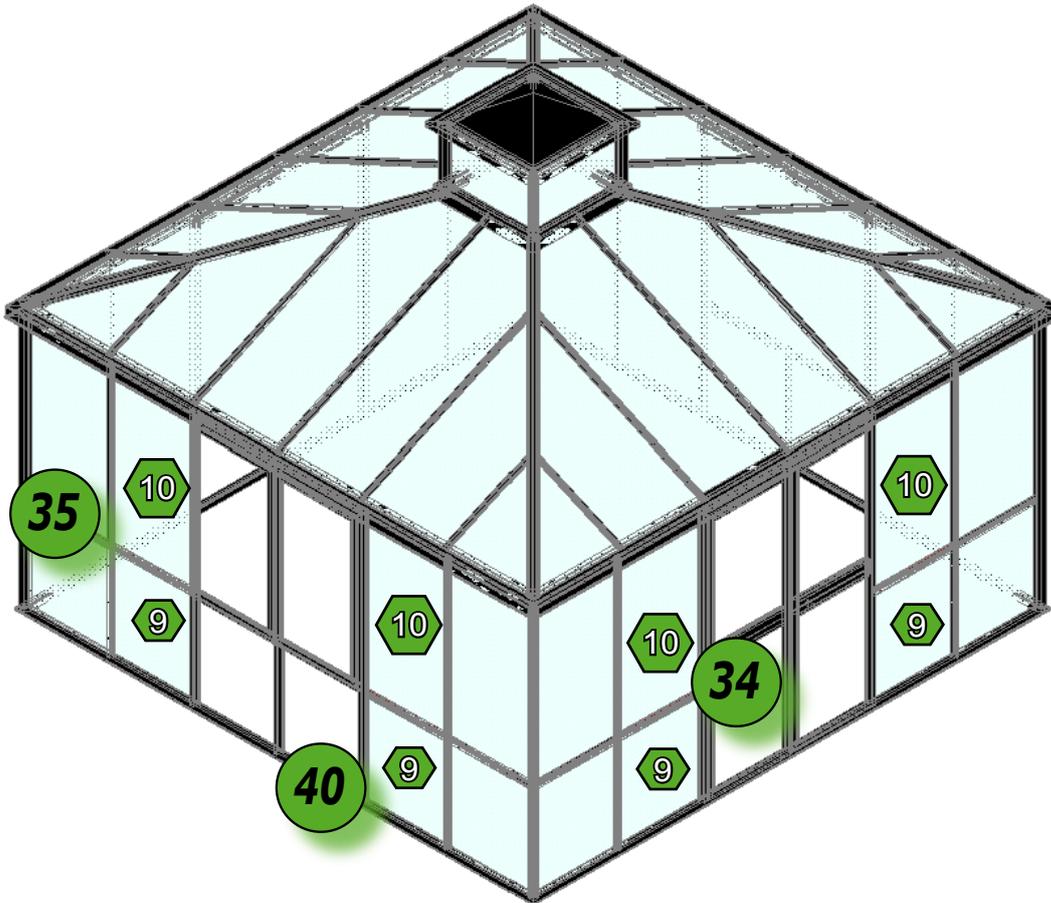
- > Put the double window wing between the hinges, so that you can slide the hinge pin through the hinge base part or hinge top without problems.
- > Secure the hinge pin with the snap ring. These prevent the hinge pin of falling out.

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 220 539">39</p>		

glazing

step 33

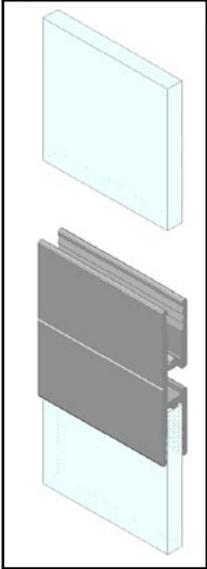
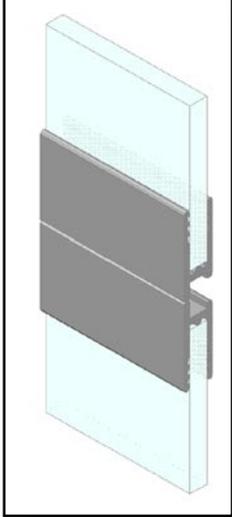
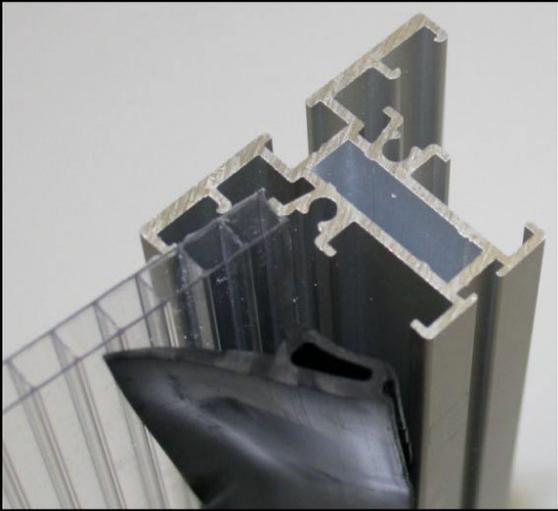
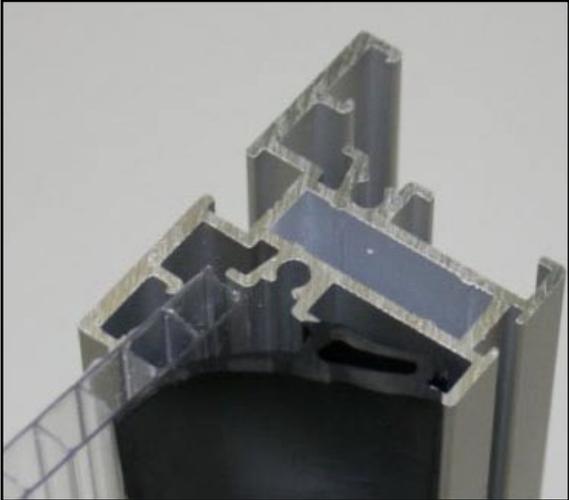
insert the side glazing 9 and 10



You will need following:

amount	pos.	designation
2	(9)	glazing 724 x 627 mm (side bottom)
2	(10)	glazing 1212 x 627 mm (side)
2	P12	covering profile 6 mm (1965 mm)
2	P9	H6-rail (632 mm)
4	V102	glass block 3 mm (red)
8	S45	fillister head screw 4,2 x 16
	V42	GHD-gasket 1

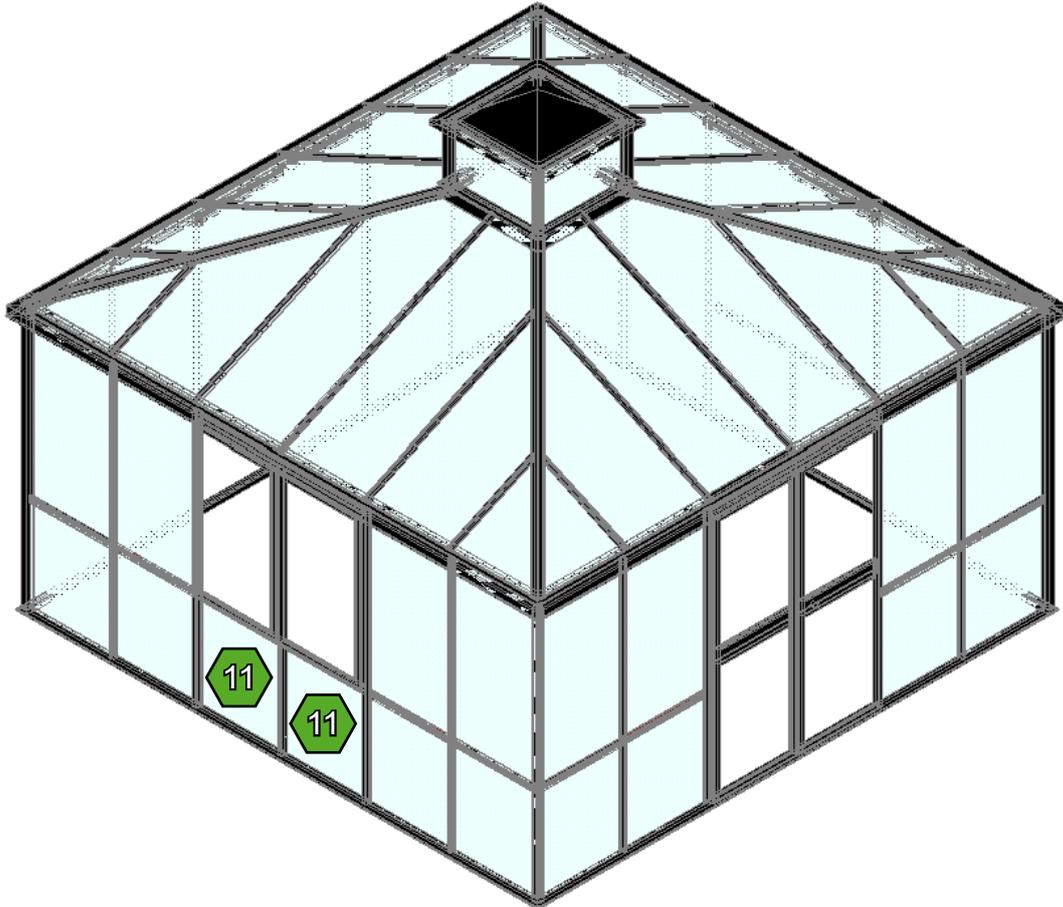
- > Put the glass block halves on the soil profile (see side 79).
- > Take the glazing 724 x 627 mm (9) and place it onto the soil profile.
- > Set the H6-rail on the glazing (9).
- > Now take the glazing 1212 x 627 mm (10). Place this into the H6-rail.
- > Screw the covering profile on the KPT-profile with fillister head screws 4,2 x 16.
- > Pull the GHD-Gasket 1 through the TR-profiles.

detail	in the prepared condition	in the installed condition
<p>34</p>		
<p>35</p>		
<p>40</p>		

glazing

step 34

insert the side glazing 11



You will need following:

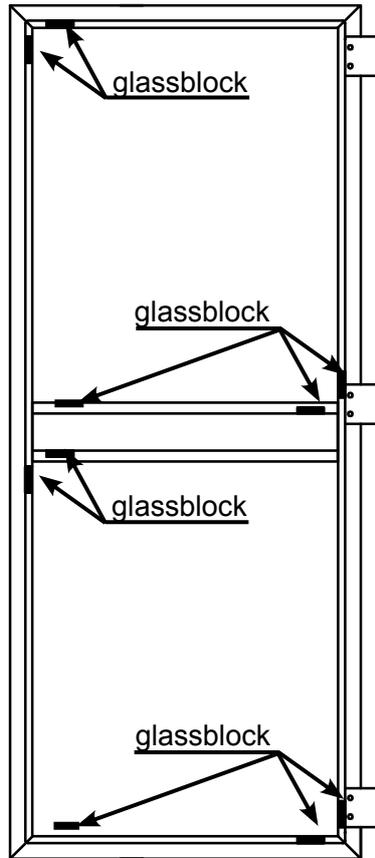
amount	pos.	designation
1	(11)	glazing 728 x 622 mm (window bottom)
4	V102	glass block 3 mm (red)
	V42	GHD-gasket 1

- > Put the glass block halves on the soil profile (see side 81).
- > Take the glazing 728 x 622 mm (11) and place it between the soil profile and the TR-profile crosswise.
- > Press the GHD-gasket 1 into the TR-profiles.

glazing

step 35

insert the door- and window glazing



Whilst glazing the doors and windows please note the align.



In the lower area set two glass blocks and adjust the glass.



Push up the door wing in a closed state as far, so that the circumferential spacings are approximately equal to the door frame.



Approximately 5 cm from the glass corners, you have to position glassblocks in the emerging gaps.

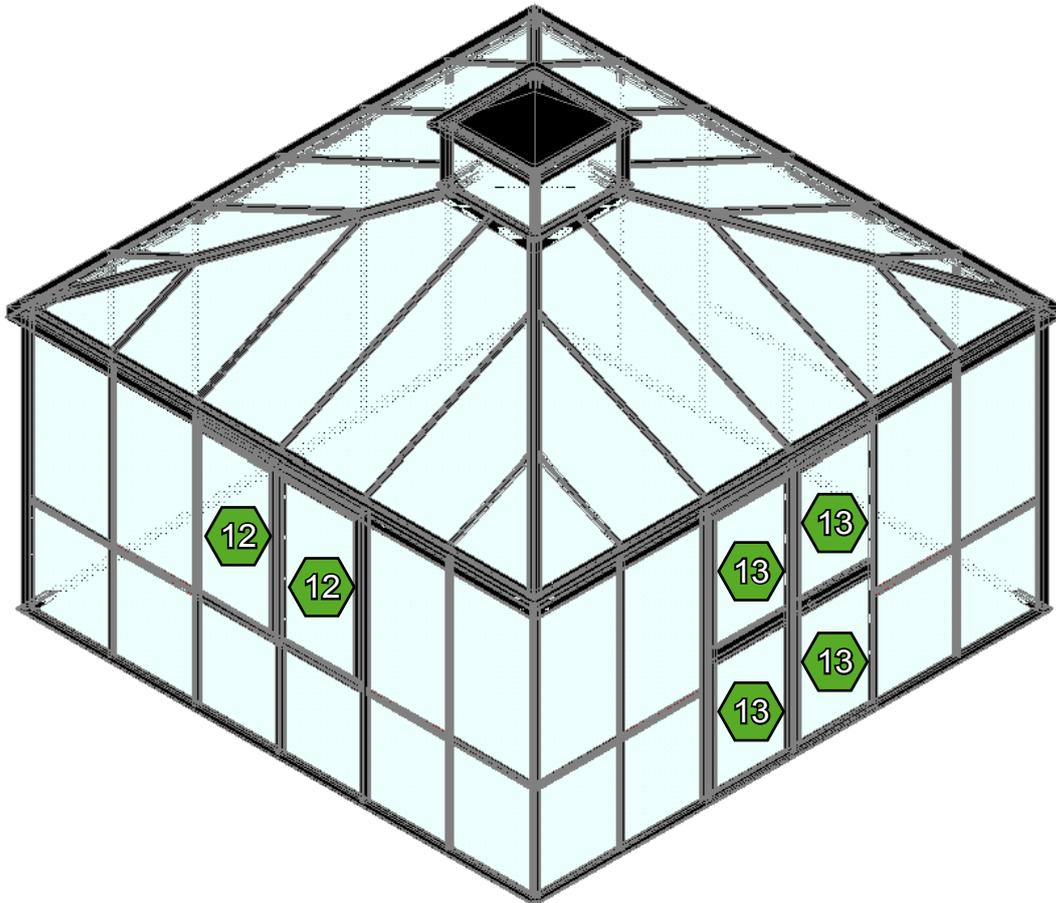


Fix the glass blocks with silicone as possible.

glazing

step 36

insert the door and window glazing



You will need following:

amount	pos.	designation
2	(12)	glazing 1093 x 564 mm (window)
4	(13)	glazing 869 x 564 mm (door)
	V45	glass block (different strengthen)
	V42	GHD-gasket 1

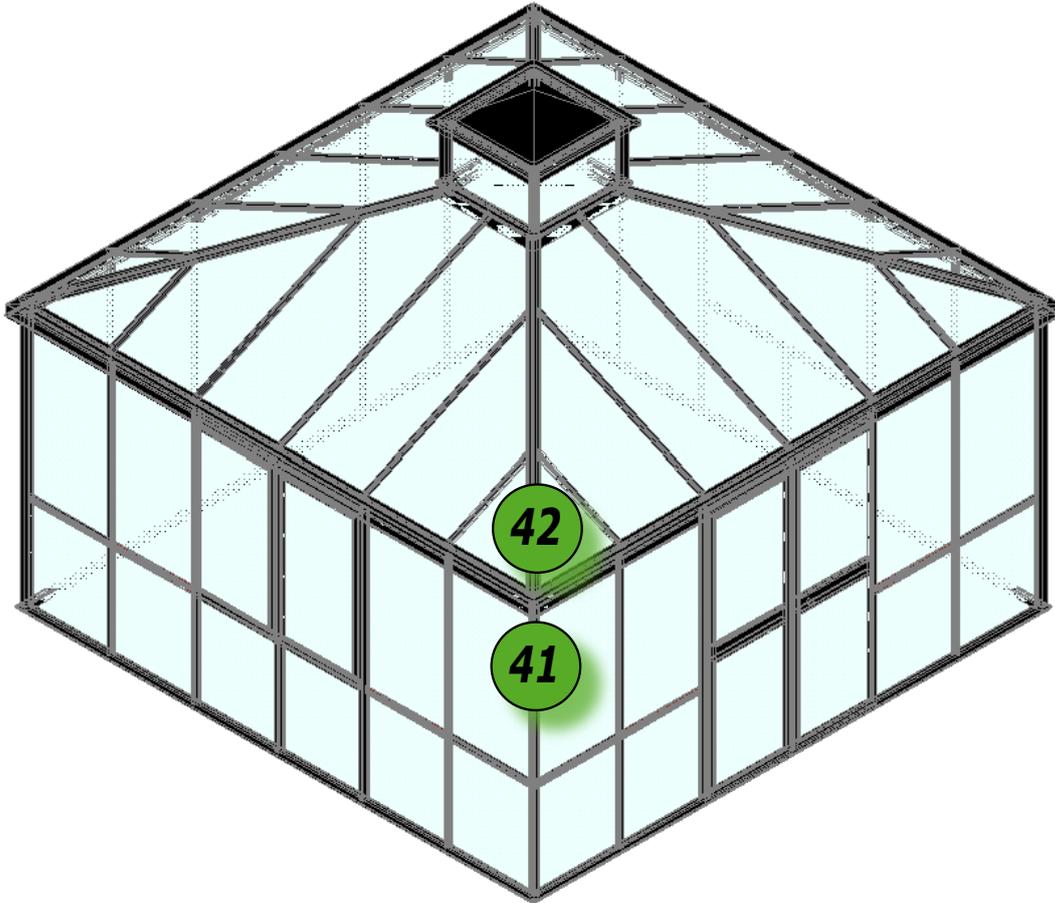
- > The glass blocks serve the stabilisation. For this please note the instructions on the previous side.
- > Insert the glass blocks below onto the profile and then set the glazing on it.
- > The glass blocks have different strengthens, therefore try out, which is suitable for you.
- > Once you have aligned the window, you can pull the GHD-gasket 1 around.

detail	in the prepared condition	in the installed condition

construction end

step 37

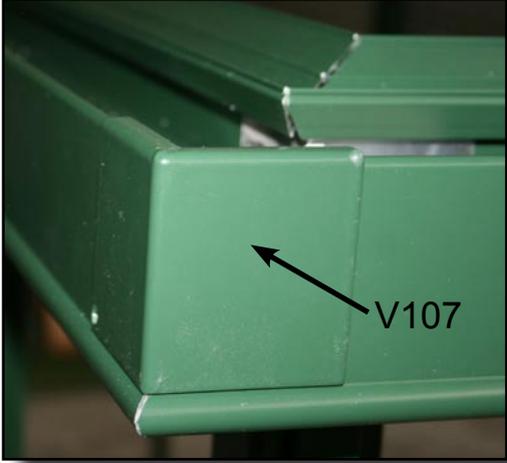
install the drain blend angles - inside and outside -



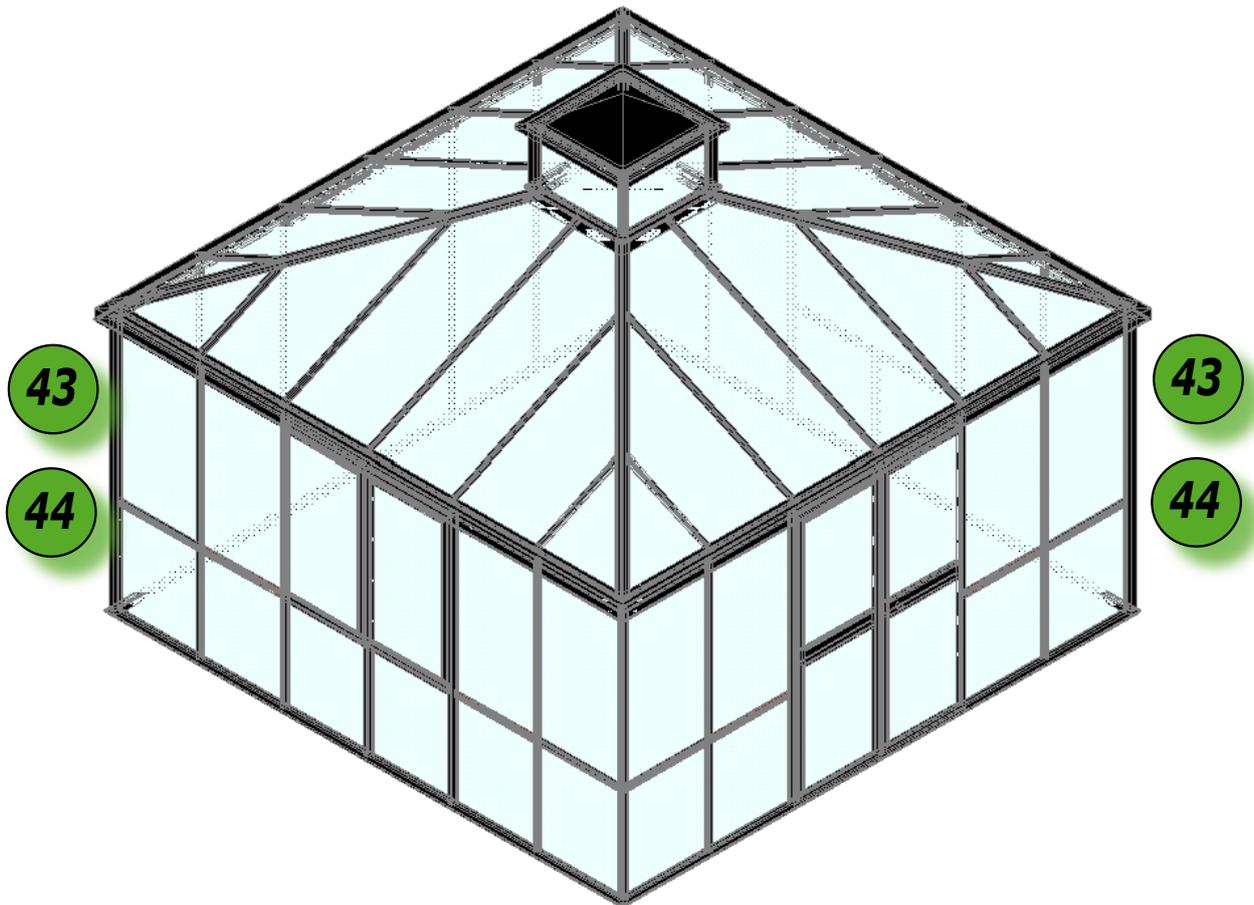
You will need following:

amount	pos.	designation
4	V109	roof purlin profile cover - outside
4	V107	gutter corner cover - outside
8	S12	hexagon head screw M6 x 12
8	S1	nut M6
1	V103	silicone

- > Lay the roof purlin cover - outside from the inside into the drain.
- > Screw the roof purlin cover - outside- with the hexagon head screws M6 x 12 and nut M6 to the cover angle.
- > With silicone you can attach the gutter corner cover - outside - from outside to the drain.

detail	in the prepared condition	in the installed condition
<p style="text-align: center;">41</p>		
<p style="text-align: center;">42</p>		

step 38 install the down pipes (2x)



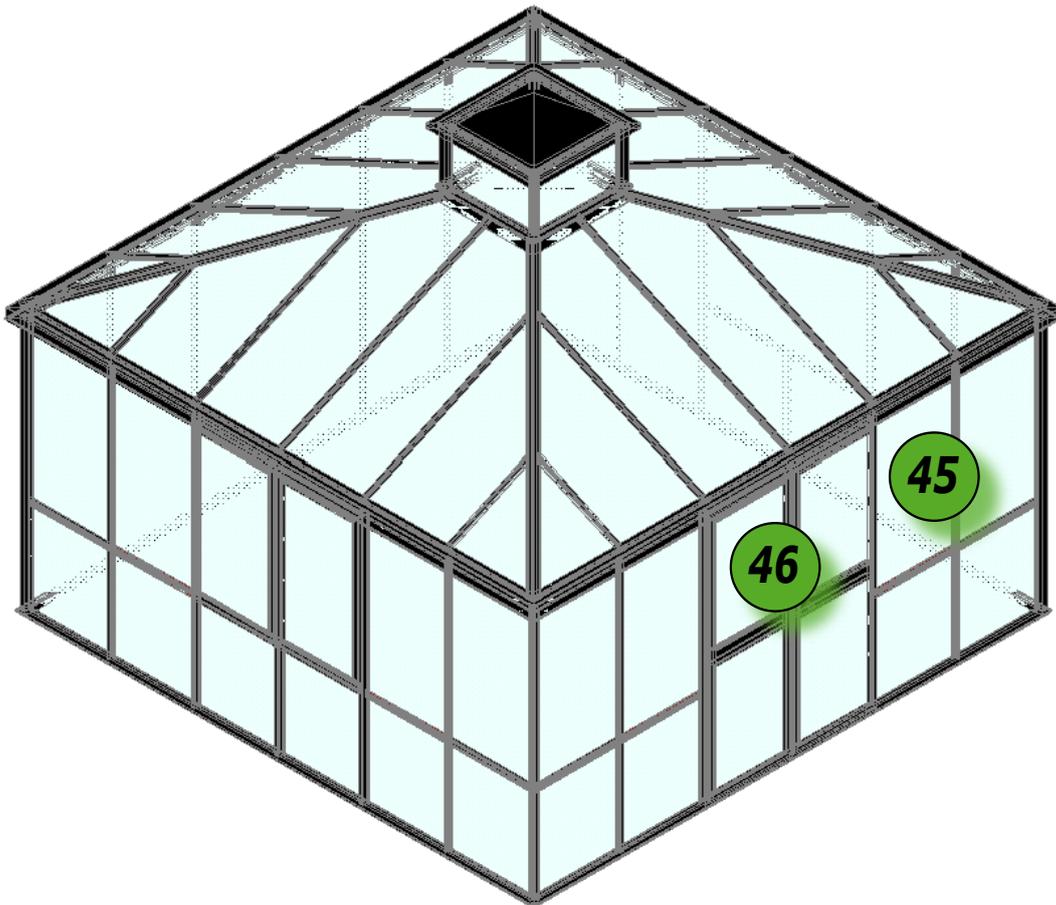
You will need following:

amount	pos.	designation
1	V134	down pipe
1	V55	holder for down pipe
1	S5	hexagon head screw M6 x 16
1	S1	nut M6
3	S43	drill screw 3,5 x 16
1	S27	fillister head screw 4,8 x 16

- > Determine the height of the holder (can be set arbitrarily high).
- > Watch out for the side where the drain adapter is. There drill a hole Ø4 mm into the roof profile.
- > Screw on the holder with fillister head screws 4,8 x 16.
- > For additional fixation screw two drilling screws 3,5 x 16 through the holder into the down pipe.

detail	in the prepared condition	in the installed condition
<p data-bbox="129 450 217 539">43</p>		
<p data-bbox="129 1133 217 1223">44</p>		

step 39 install the door holder (4x)



You will need following:

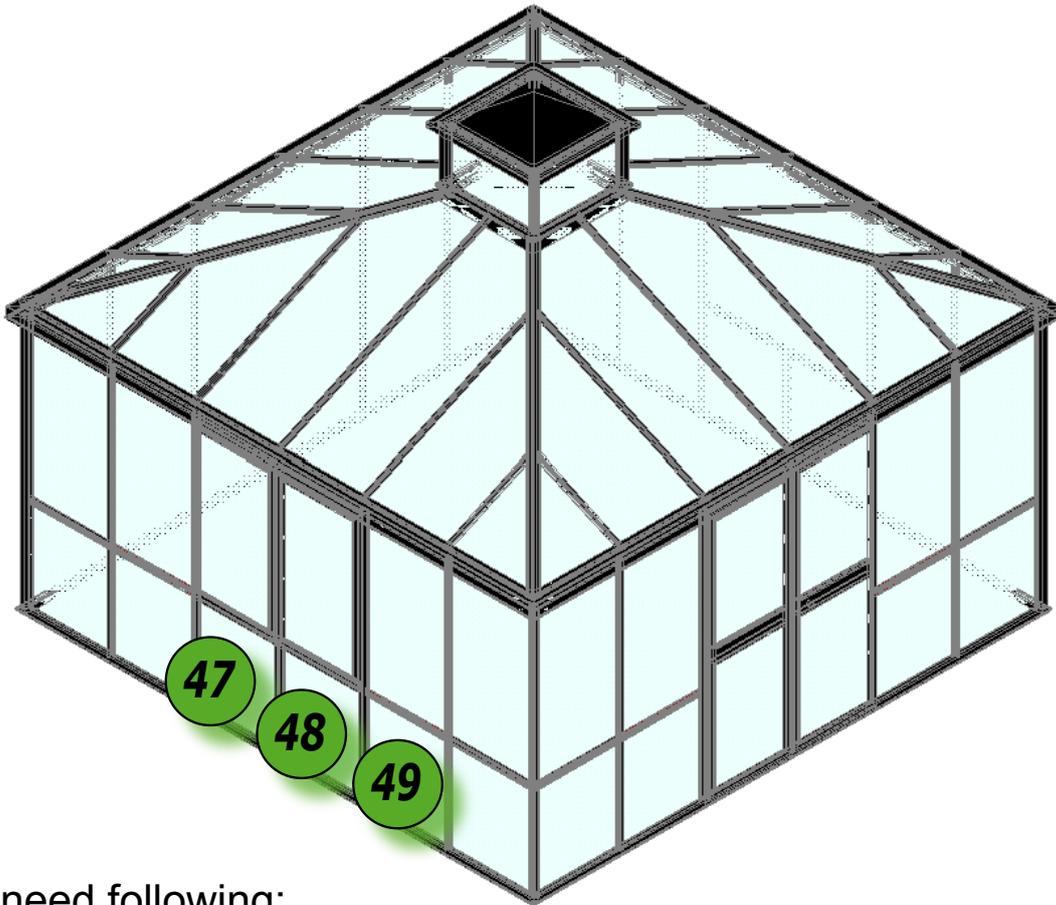
amount	pos.	designation
1	V38	door holder + magnet
1	V39	counterpart for door holder + plastic washer
2	S27	fillister head screw 4,8 x 16
1	S18	countersunk screw 4,8 x 25
1	S41	countersunk screw M5 x 16
1	S42	nut M5

- > Assemble the magnet with countersunk screws 4,8 x 25 to the door holder.
- > The component is now screwed to the drain profile with fillister head screws 4,8 x 16.
- > The counterpart is fitted to the door frame, so that the counterpart and the door holder are congruent. The plastic washer is placed between the profile and counterpart. You need the countersunk screws 4,8 x 25.
- > Drill a hole Ø4 mm.

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 209 533">45</p>		
<p data-bbox="132 1151 209 1234">46</p>		

construction end

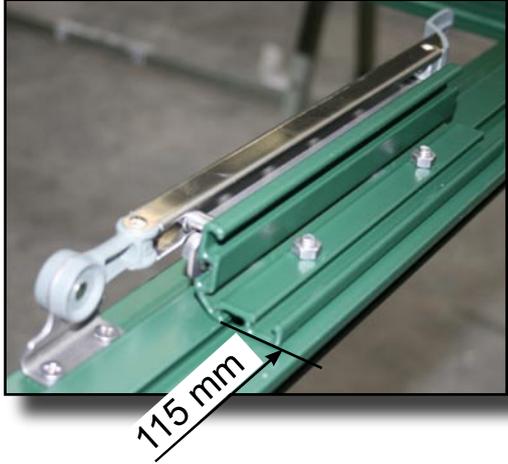
step 40 install the handlifting device (4x)



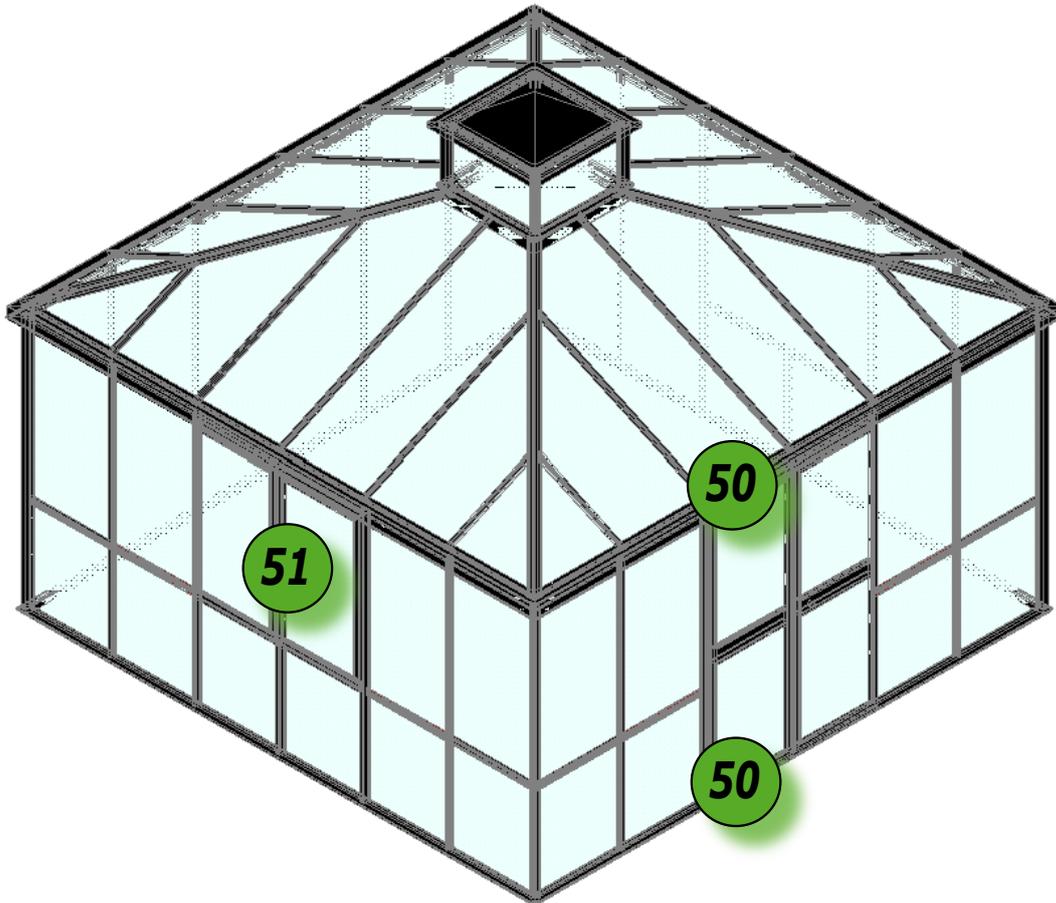
You will need following:

amount	pos.	designation
1	V85	handlifting device (component)
1	V115	fixing bracket
1	S24	star grip
2	S5	hexagon head screw M6 x 16
1	S2	hexagon head screw M6 x 30
2	S27	fillister head screw 4,8 x 16
2	S55	flat nut M6
6	S1	nut M6

- Install the handlifting device at the bottom of the window wings. For this use the fillister head screws 4,8 x 16.
- Now stuck the fixing bracket on the screws M6 x 16 of the TR-profile cross, that you have pulled in already in step 4 and align this with the handlifting device.
- Turn flat nuts M6 on the screws M6 x 16 and then you can attach the stationary mandrel. Fasten everything with a nut.
- On the other end push the hexagon head screws M6 x 30 in. Turn on two nuts M6.
- The star grip prevents a slipping out of the handlifting device.

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 220 539">47</p>		
<p data-bbox="132 1133 220 1223">48</p>		
<p data-bbox="132 1774 220 1863">49</p>		

step 41 install the sash lock



You will need following:

amount	pos.	designation
8	V28	sash lock small, double revolving door (recess-mounted)
2	V40	sash lock large, double revolving door (flush-mounted)
16	S43	drill screw 3,5 x 16

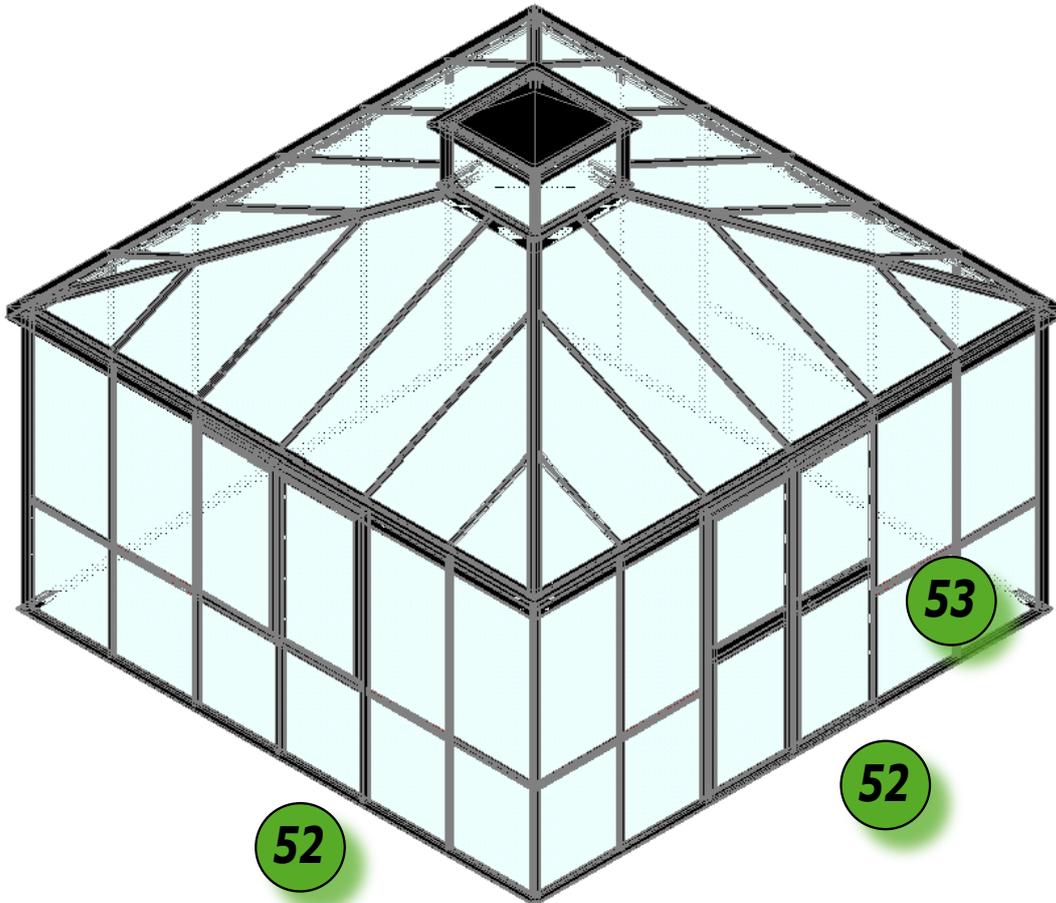
- > To avoid a back and forth swaying door - and window wing, you require the sash lock.
- > The sash lock small will be screwed, (as seen from the inside) to the top and bottom of the rectangular pipe of the door or window wing, with drill screws 3,5 x 16.
- > The sash lock large will be installed (as seen from the inside) with drill screws 3,5 x 16 to the middle of the window wing (long side).

detail	in the prepared condition	in the installed condition
<p data-bbox="132 450 213 533">50</p>		
<p data-bbox="132 1151 213 1234">51</p>		

construction end

step 42

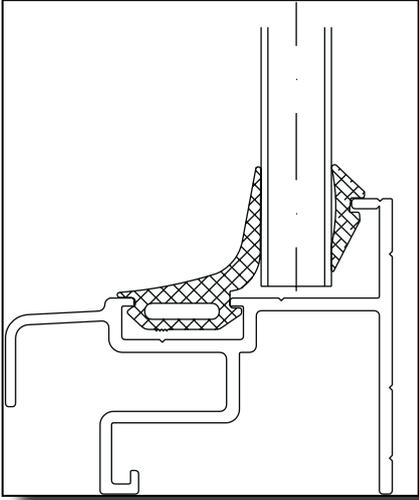
pull in the wedge gaskets 1 - 2 mm



You will need following:

amount	pos.	designation
14 lfdm	V112	wedge gasket 1 - 2 mm
115	S37	hexagonal protective cap M6

- The wedge gasket is pressed from the inside below into the soil profile.
- The door- and window area are left out.
- Finally you can put the hexagonal protective caps on the nuts or screw heads. Your teahouse is now finished.

detail	in the prepared condition	in the installed condition
<p>52</p>		
<p>53</p>		

Complaint sheet

If there is a complaint please let us know the position- or product number. Please send this writing back to us with signature.

name	
street	
zip code/place	
phone	
order - no.	

place, date

signature

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