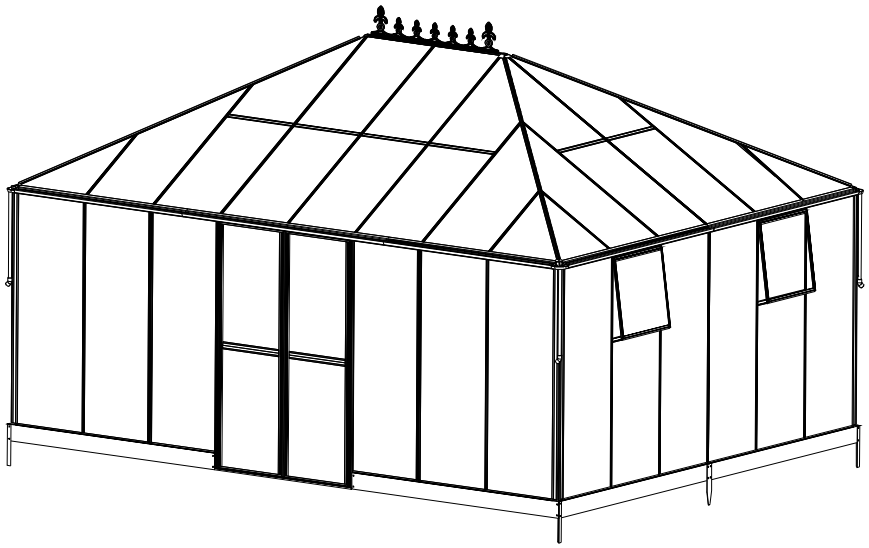
Assembly Instructions

MODEL:AM2806

PRODUCT SIZE(LxWxH): 16X12X9.5

PLEASE READ CAREFULLY BEFORE ASSEMBLY



Greenhouse 16X12X9.5 FT Assembly Instruction
SKU:
BOX 1)1007040178B
BOX 2)1007040179B
BOX 3)1007040180B
Arrive in 2 separate boxes and may not be part of the same shipment; Please install the product after receiving all the packages.
Email Address:cs@howedirect.com
Tel: 901-347-2181
Service Time: 8 am - 5 pm（central time） Monday- Friday.
If no one picks up, please call several more times

2024/5/4

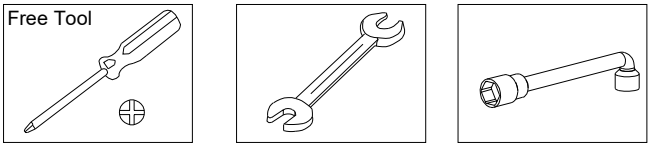
CONTENTS

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2. Product Features .....Page 2
3. Parts List .....Page 3 -5
4. Door Assembly .....Page 6 - 9
5. Roof Vent Assembly .....Page 10 - 12
7. Base Assembly .....Page 13-15
8. Framework & Glazing Assembly .....Page 16 - 36

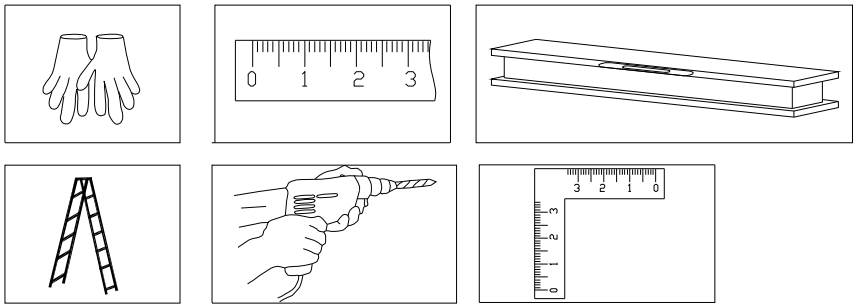
Assembly and Maintenance Advice

1. For safety purposes, we strongly recommend that this product is assembled by at least two people.
2. Some components have sharp metal edges. Please be careful when handling metal components. Please wear gloves, shoes and safety goggles during assembly.
3. Lay all of the components on a soft carpet or blanket to avoid any scratches or damages.
4. DO NOT climb or stand on the roof. Heavy articles should not be leaned against the greenhouse.
5. Keep the roof and gutter clear of snow, dirt & leaves. Allowing snow to build up on the roof may damage the product.
6. Unlike steel, if the paint finish is scratched this will not harm the aluminium underneath.
7. When your product needs cleaning, use a mild detergent solution and rinse with cold clean water. Do not use acetone, abrasive cleaners or strong detergents to clean the panels.

Tools Provided:



Tools Required when Assembly (Not Provided)



Assembly at least by two Persons

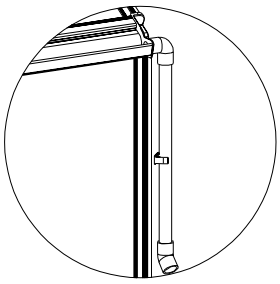


Important:

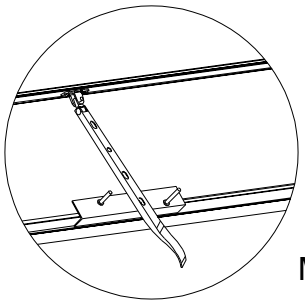
Rubber is not provided if you choose polycarbonate sheet as glazing panel.

Functions and Features:

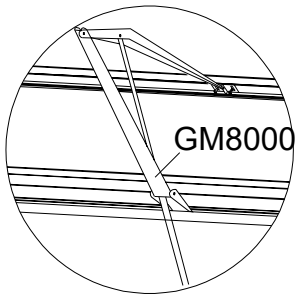
1. The strong two part eaves beam includes an integral gutter. Downpipes are also included as standard so you can collect rainwater.



2. Manual window handles are included as standard with the roof vents. If required, automatic roof vent openers are available as an inexpensive optional extra.



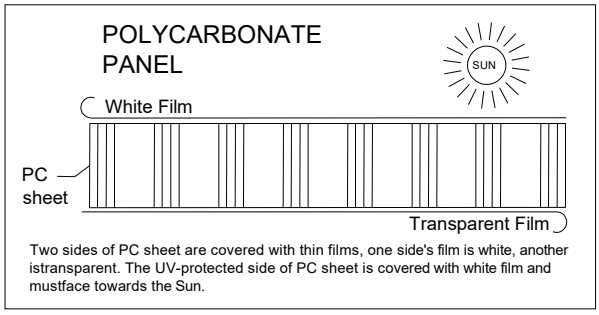
Manual Opener



Automatic Opener

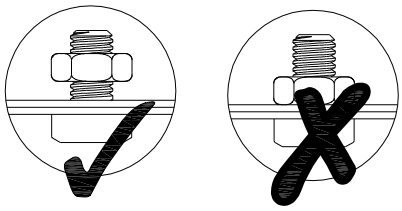
GM80001 is sold separately

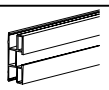
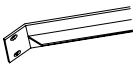
3. Remove approximately 2 inches of film from all sheet edges before installing and remove all film immediately after the construction is completed. Please ensure that the side with the white film faces outwards.

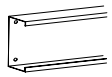


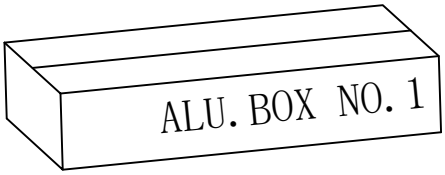
4. This quality greenhouse features self-tapping screws to provide strong joints. As the name suggests, the screws tap their own thread. Driving in self-tapping screws requires more force than conventional screws. A powered screwdriver is therefore recommended.

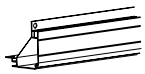
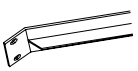
5. Nuts not to be tightened before the end of assembly! Unless otherwise stated, do not tighten the bolts/nuts/screws until the shed is finally erected!

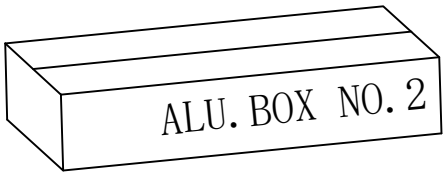


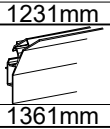
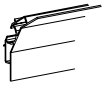
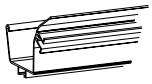
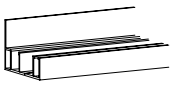
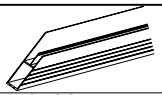
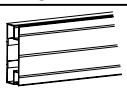
	PART	NO	QTY
1	 570mm	L04A	4 4 4 4 16
2	 1020mm	L05B	3
3		L08A	6
		L08B	1
		L08C	1
	A:1772 B:1762 C:1762 D:1181	L08D	1
4	 1162mm	L23D	7

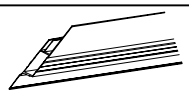
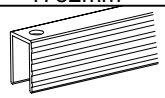
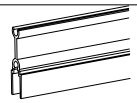
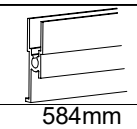
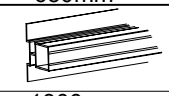
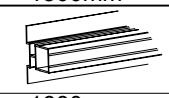
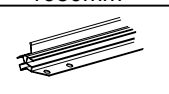
PART	NO	QTY
 A1:1835 B1:1823 A2:1182	A1	6
	B1	2
	A2	1
	D306	4
	D307	4
	D317	2



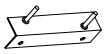
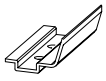
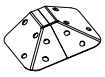
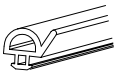
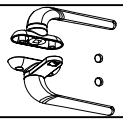
	PART	NO	QTY
1	 1680mm	L01A	1 1 1 1 4
2	 1680mm	L02A	3
		L02B	4
		L02C	4
3	 1680mm	L02D	4
		L02E	4
4	 711mm	L02F	4
		L02G	4
5	 2020mm	L02H	2
		L02I	4
6	 2014mm	L02J	2
7	 1393.5mm	L02K	4
		L02L	4
8	 504mm	L05A	7 7

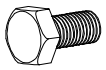


	PART	NO	QTY
9	 1231mm	L06A	1
10	 1361mm	L07A	4 4
11	 1361mm	L07B	1
		L07C	1
12	 A:1773mm B:1476mm	L09A	6
		L09B	4
13	 1203mm	L10A	1
14	 584mm	L11A	4
		L12A	4
15	 557mm	L15A	2
		L15B	1
		L15C	1
16	 1782mm	L16A	2
17	 494.4mm	L17	2

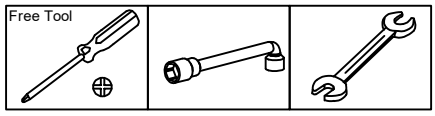
	PART	NO	QTY
18	 1782mm	L18A	1
		L18B	1
19	 580mm	L19	8
20	 584mm	L20	4
	 584mm	L21	4
21	 1753mm	L23A	1
		L23B	1
		L23C	6
22	 650mm	L25	4
23	 1800mm	L26A	1
		L26B	1
24	 1680mm	L26C	2
25	 2656.5mm	L27A	4

PART	NO	QTY
 706X588mm	Y1	4
 706X588mm	Y2	4
 1378X588mm	Y3	4
 1378X588mm	Y4	4
 1011X588mm	Y5	4
 1011X588mm	Y6	4
 1018X588mm	Y7	16
 1701X558mm	Y8	22
 1046X588mm	Y9	4
 582X558mm	Y10	4
 875X514mm	Y11	4

PART	NO	QTY
	J92	4
	J93	4
	J181	4
	J182	4
	J183	2
	A79	4
	A03	4
	A51	4
	D25	6
	D47	1
	D315	4
	D316	2
	J184	2.8m
	H152	1

PART	NO	QTY
	S01 M6X12	500
	M01 M6	500
	Z02 Ø4X16D	44
	Z04 Ø4X8	8
	Z08 M4.2X16	54
	Z17 M4.8X16	8
	S26 M5X12	10
	M08 M5	8
	M07 M6	12
	D114	18
	S69 M6X60	18
	S76 M4X32	2

Tools Provided:



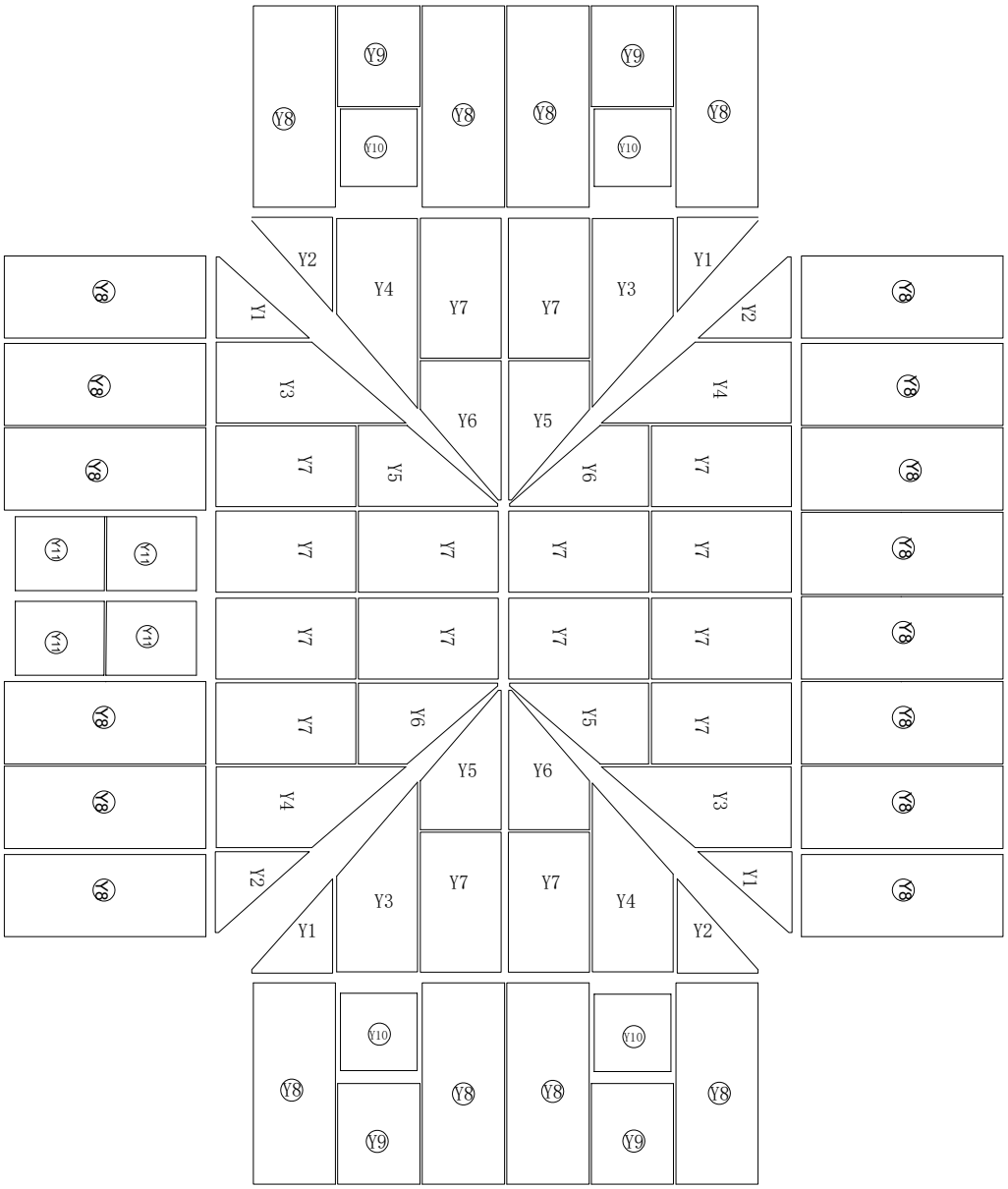
	J128	2
	J128-1	1
	J148	2

PC/Glass

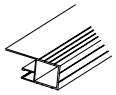
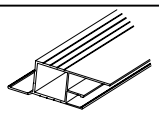
NO. 1

Panel Exploded View

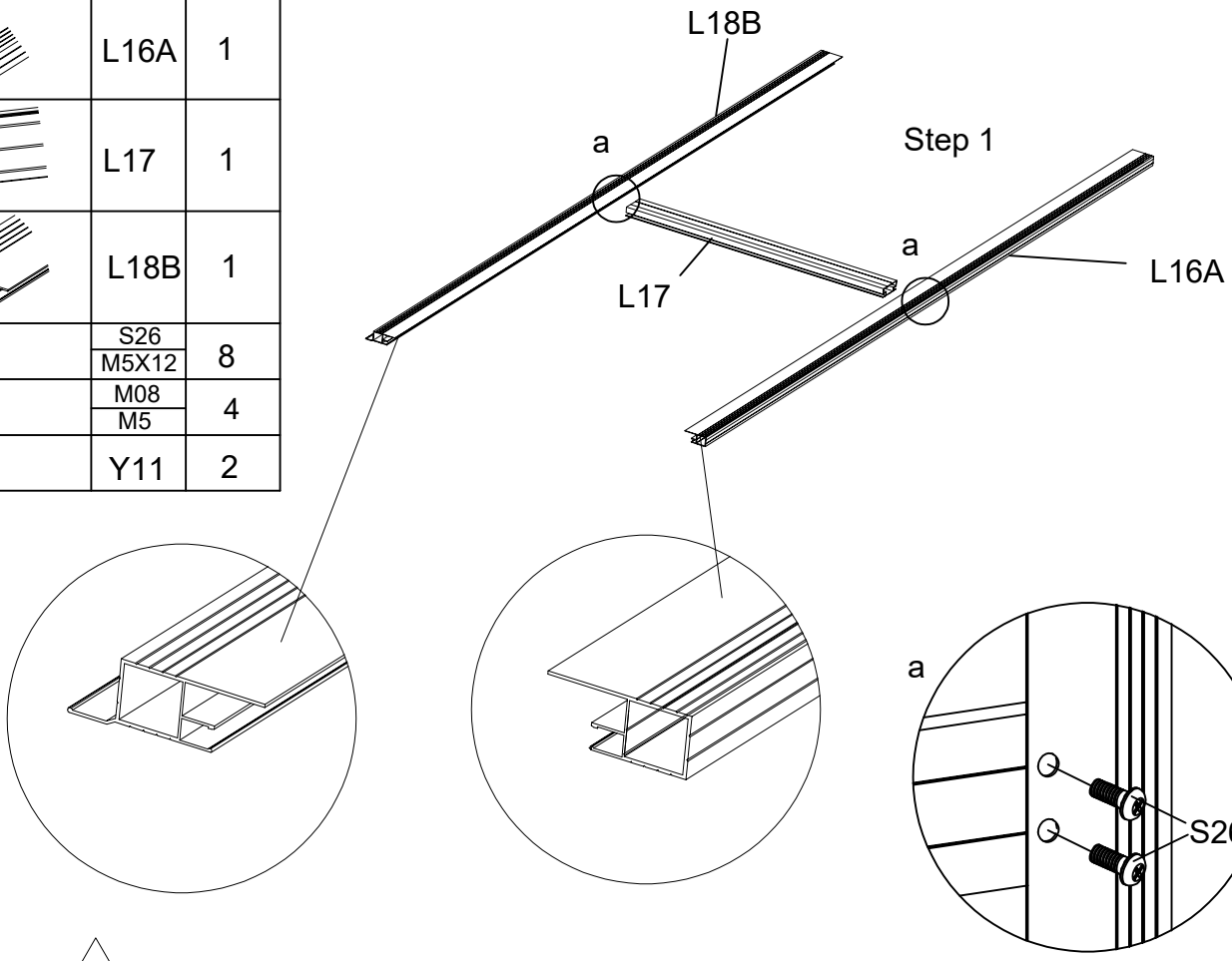
PART	NO	QTY
706X588mm	Y1	4
706X588mm	Y2	4
1378X588mm	Y3	4
1378X588mm	Y4	4
1011X588mm	Y5	4
1011X588mm	Y6	4
1018X588mm	Y7	16
1701X558mm	Y8	22
1046X588mm	Y9	4
582X558mm	Y10	4
875X514mm	Y11	4



Left Door

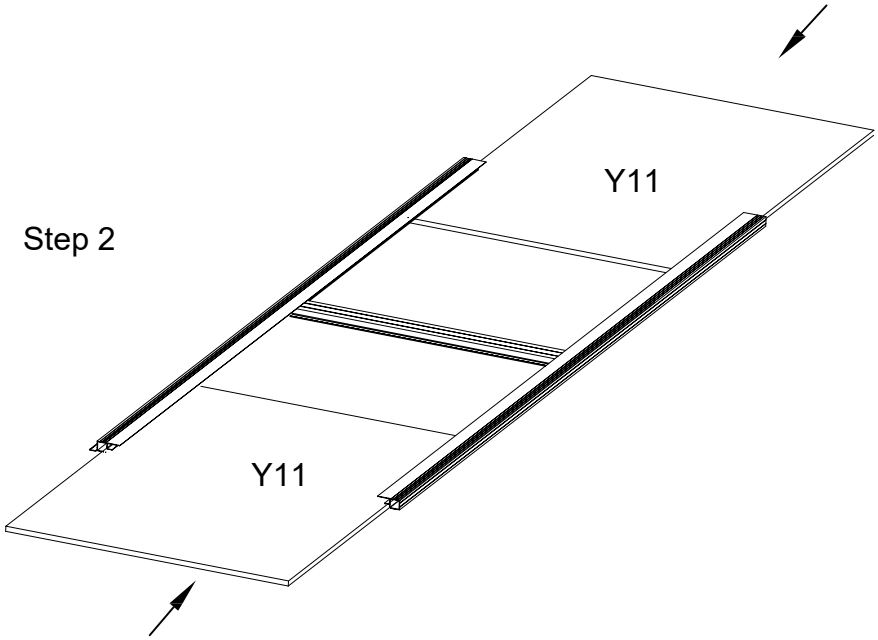
PART	NO	QTY
	L15B	1
	L15C	1
	L16A	1
	L17	1
	L18B	1
	S26 M5X12	8
	M08 M5	4
	Y11	2

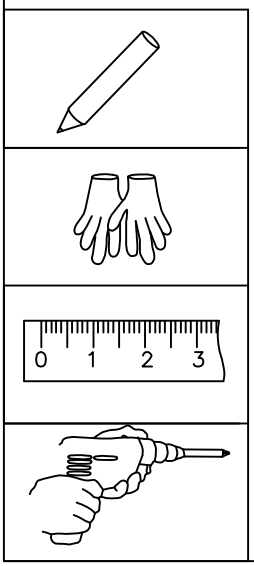
Step 1



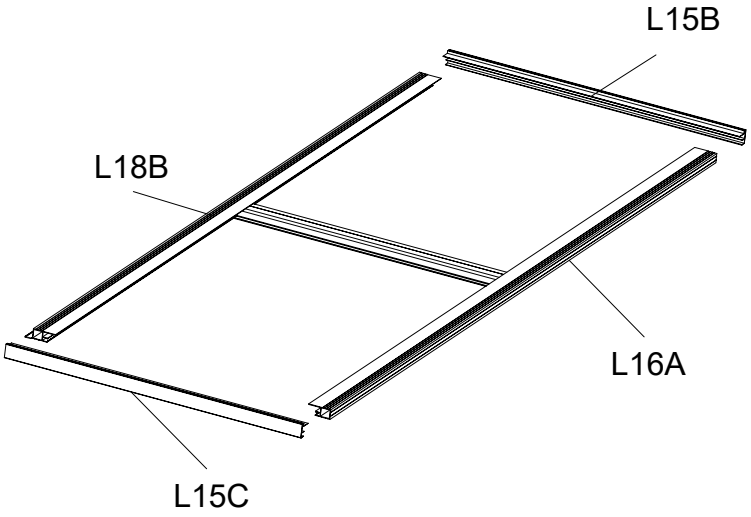
! Attention: Check the direction of the accessories

Step 2

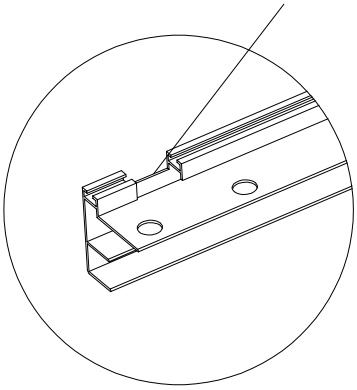


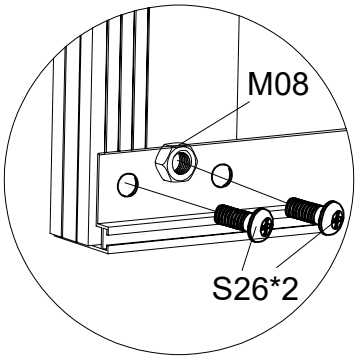


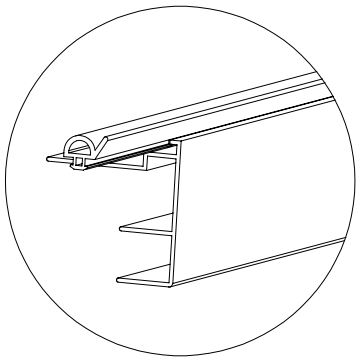
! Attention:Remove the protective films from both sides of each polycarbonate panel, before inserting into aluminum channels. Ensure the milky white film faces towards the Sun.

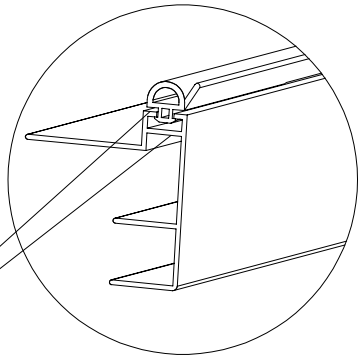


!Attention: The notched end of the L15B&C is connected to the L18B

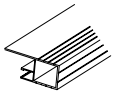
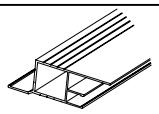
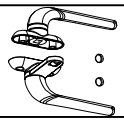




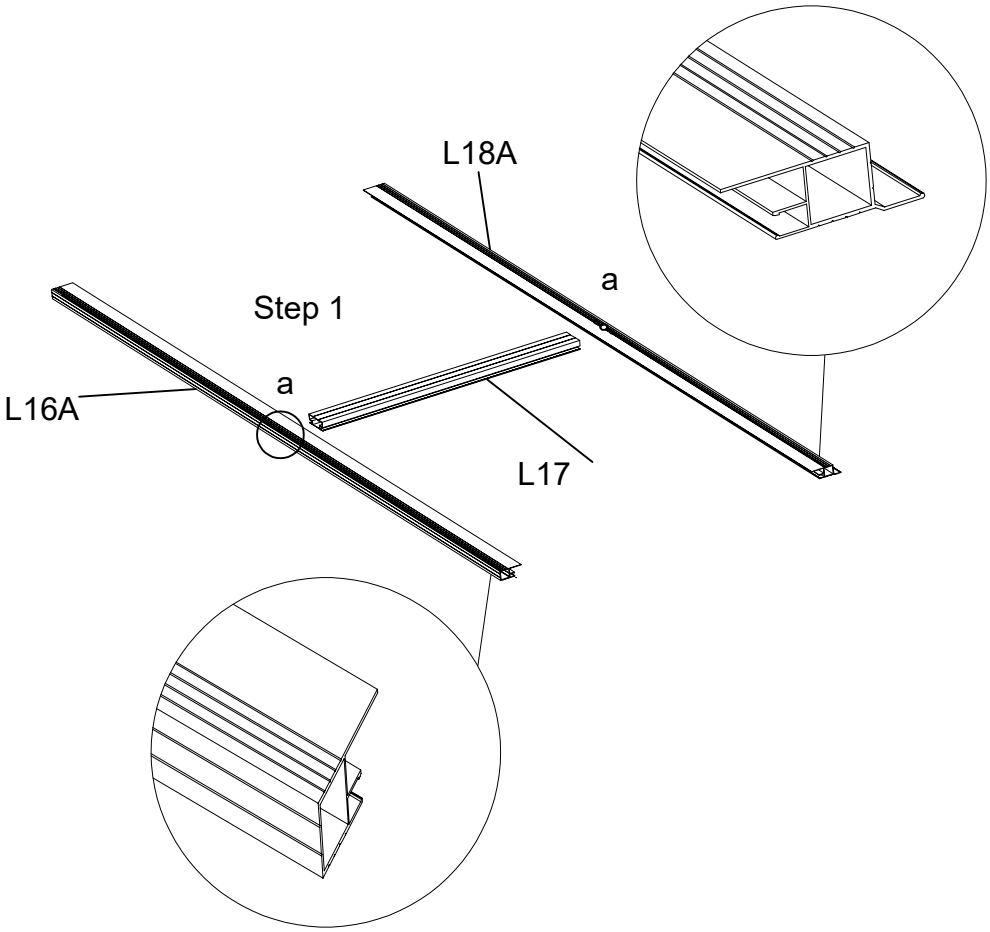




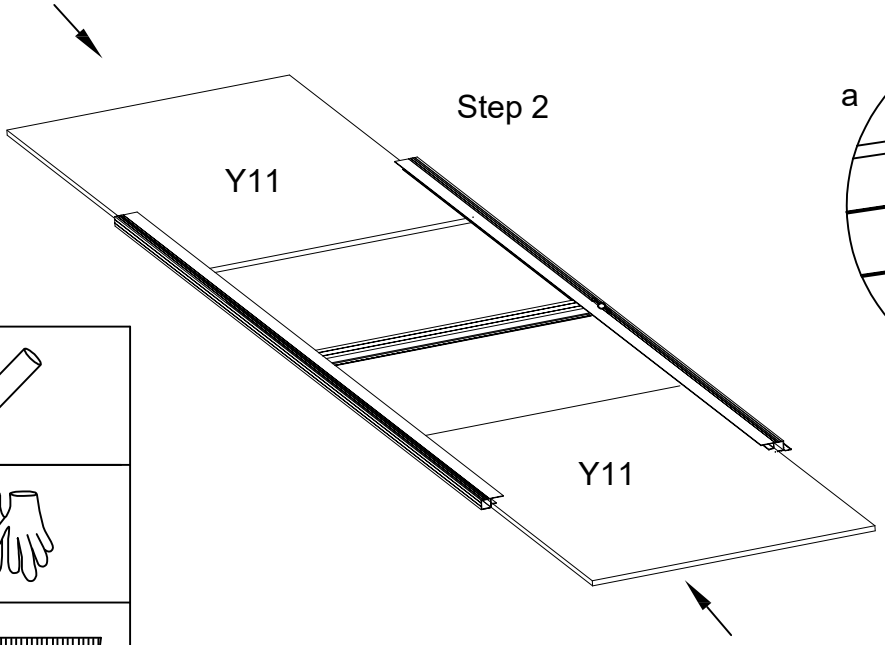
Slide the adhesive strip J184 into the groove of L15A after installation, and then clamp the two ends with pliers.

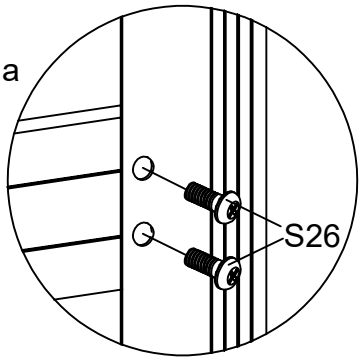
PART	NO	QTY
	L15A	2
	L16A	1
	L17	1
	L18A	1
	H152	1
	D47	1
	S26 M5X12	8
	S76 M4X32	2
	M08 M5	4
	Y11	2

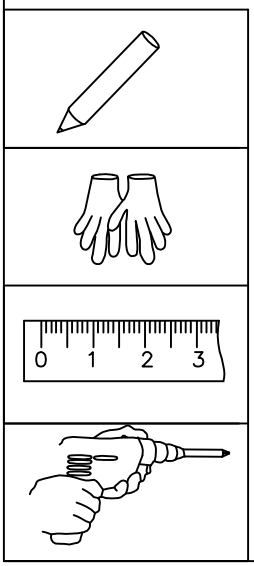
Right Door



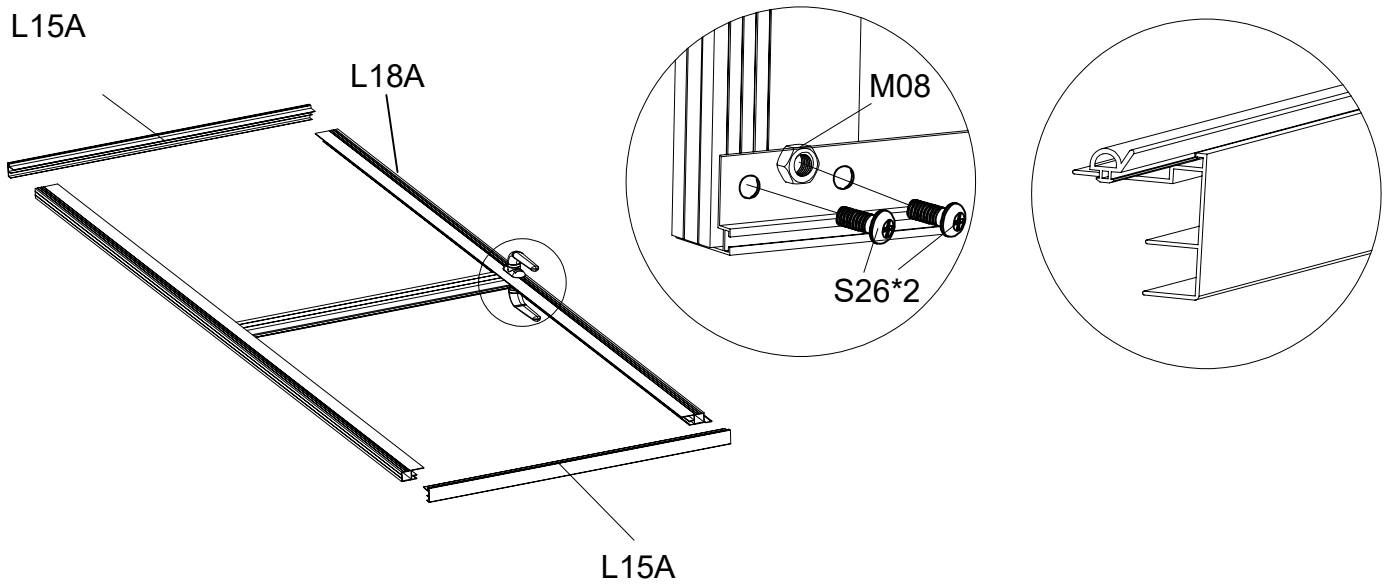
! ! Attention: Check the direction of the accessories



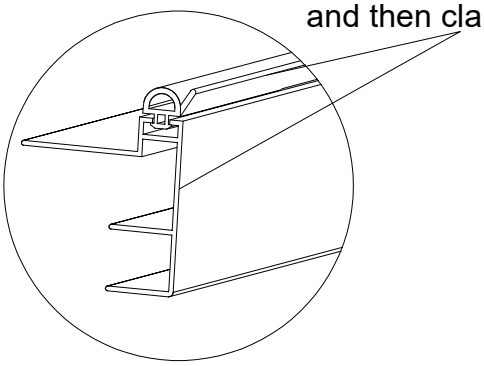




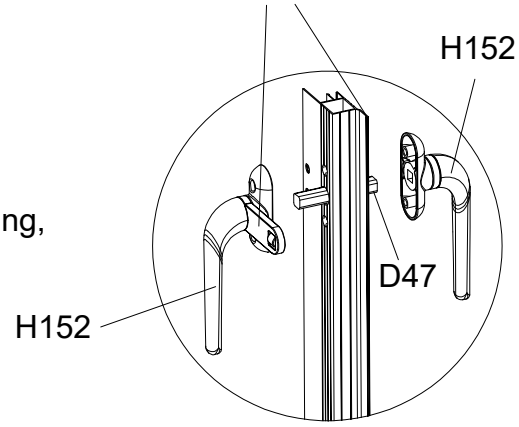
! ! Attention:Remove the protective films from both sides of each polycarbonate panel, before inserting into aluminum channels. Ensure the milky white film faces towards the Sun.



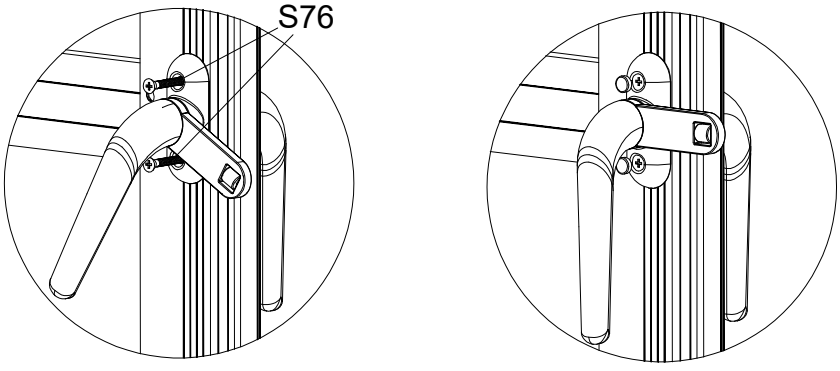
Slide the adhesive strip J184 into the groove of L15A after installation, and then clamp the two ends with pliers.



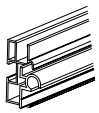
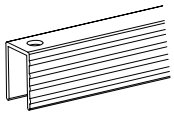
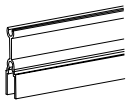
Pay attention to the intallation direction



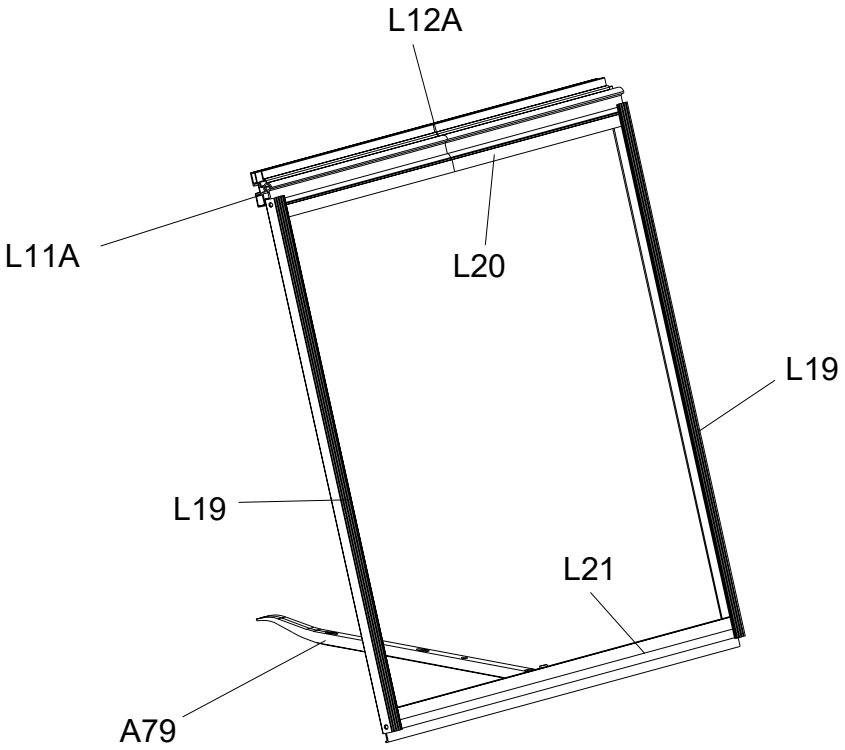
Install H152 after installing the door, when installing, pay attention to the H152 long end toward the door edge, H152 square hole aligned with the square column D47 while inserting, placed in the right position and then fixed with S76 , and finally installed on the decorative cover

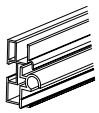
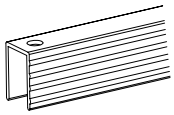
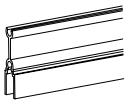


Exploded View

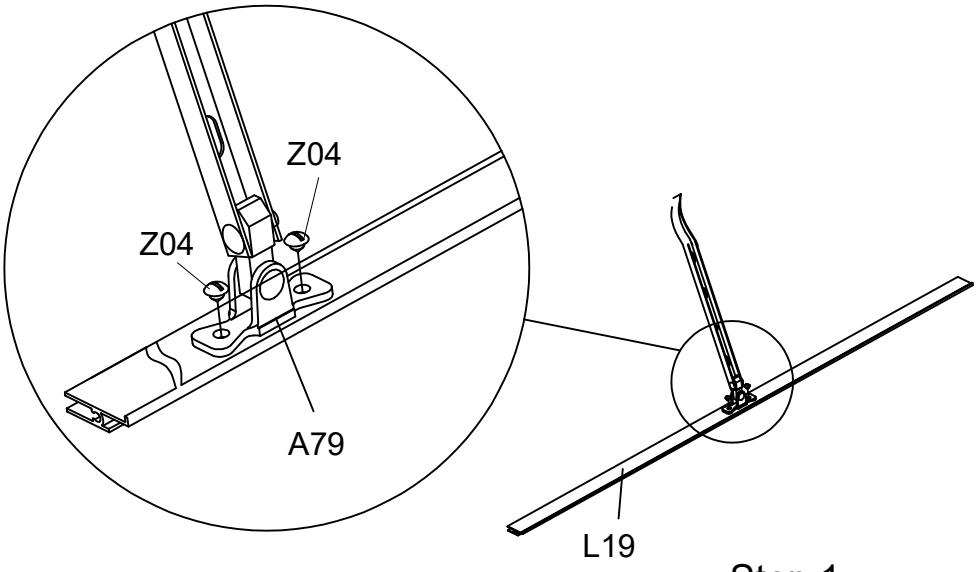
PART	NO.	QTY.
	L11A	4
	L12A	4
	L19	8
	L20	4
	L21	4
	Y10	4
	A79	4
	Z02 Ø4X16D	24
	Z04 Ø4X8	8
	Z08 M4.2X16	8

Window X 4

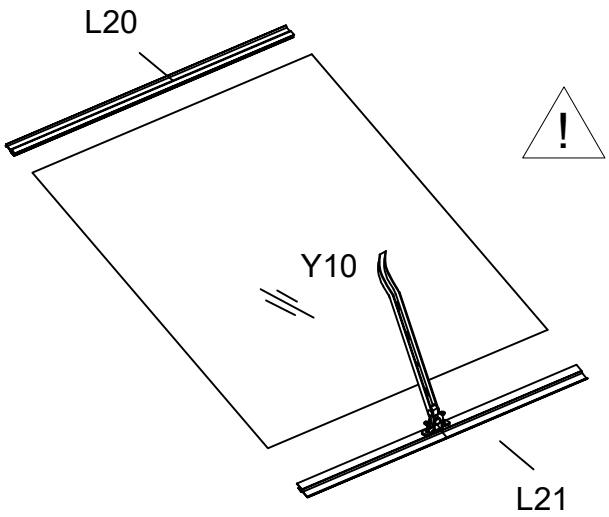


PART	NO.	QTY.
	L11A	1
	L12A	1
	L19	2
	L20	1
	L21	1

Part	NO.	QTY.
	Y10	1
	A79	1
	Z02 Ø4X16D	6
	Z04 Ø4X8	2

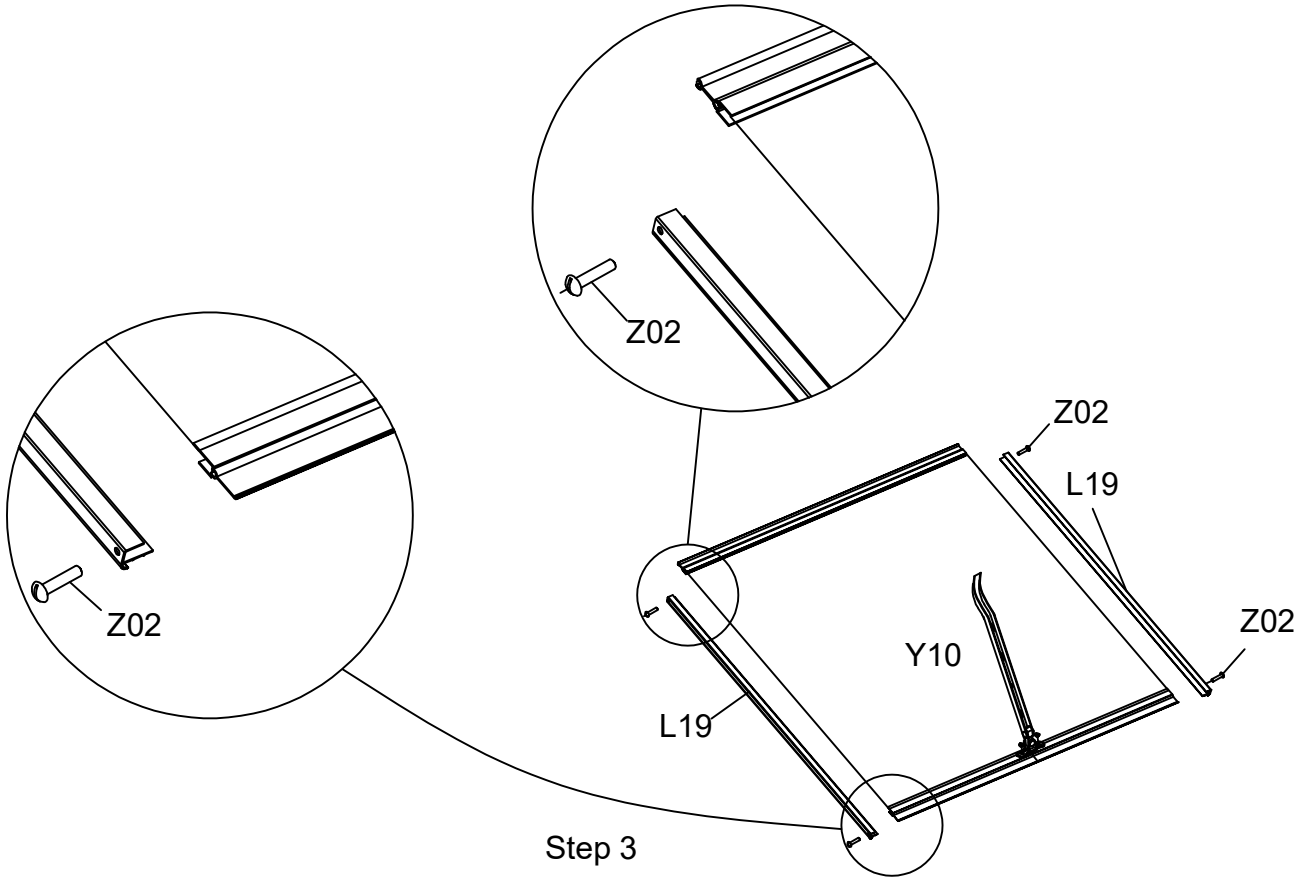


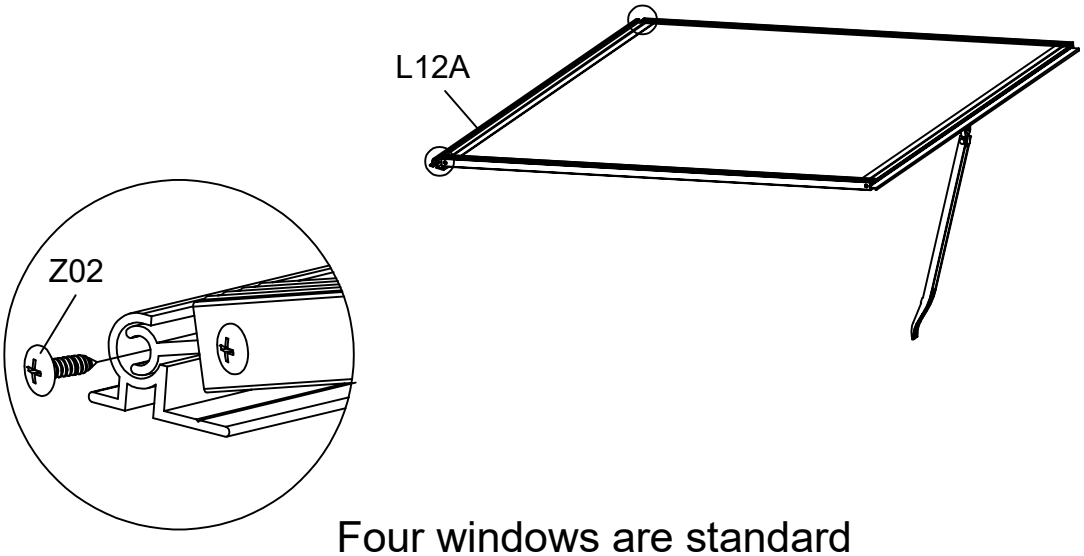
Step 1



Step 2

! Attention:Remove the protective films from both sides of each polycarbonate panel, before inserting into aluminum channels. Ensure the milky white film faces towards the Sun.

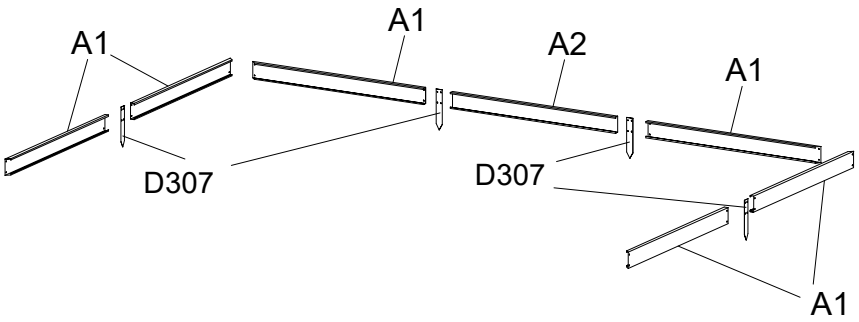


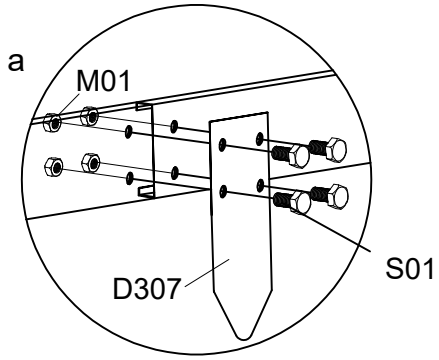


Four windows are standard

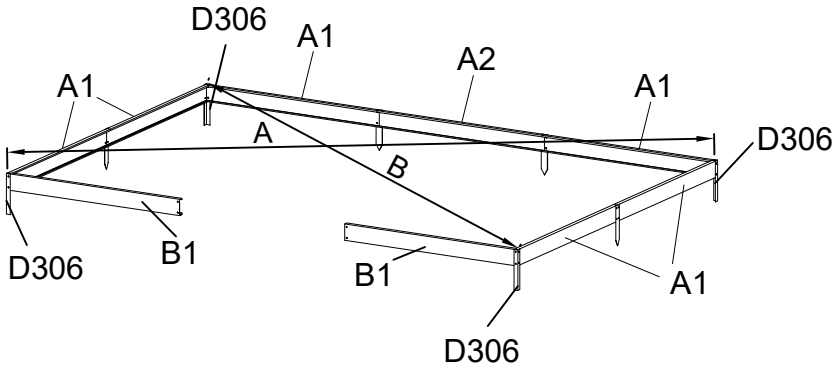
Base Assembly

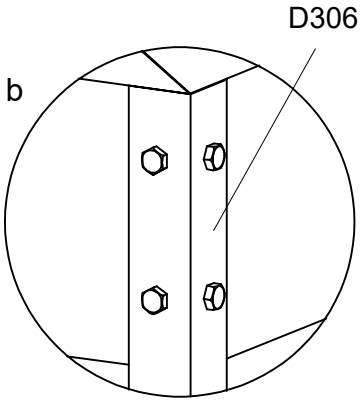
PART	NO	QTY
	A1	6
	A2	1
	B1	2
	D306	4
	D307	4
	S01 M6X12	32
	M01 M6	32





Attention! D306 and D307 must be inserted into the soil or installed in reverse!!



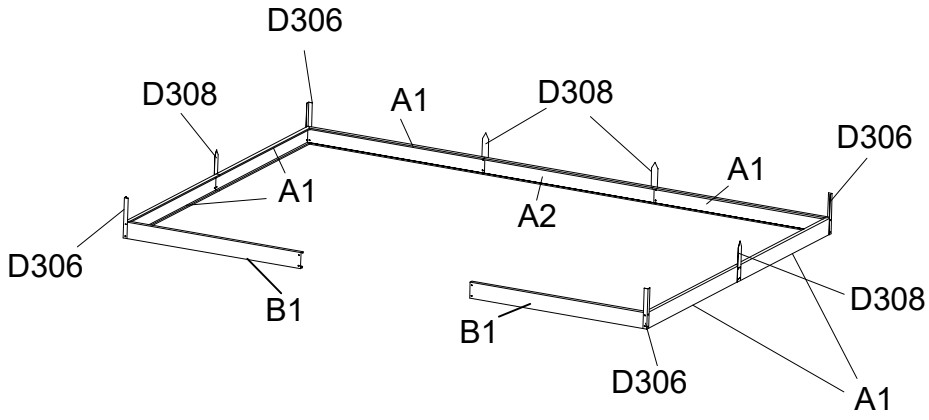


Ⓐ = Ⓑ

Fix the base before assembly the greenhouse. This is the way to fix the base.

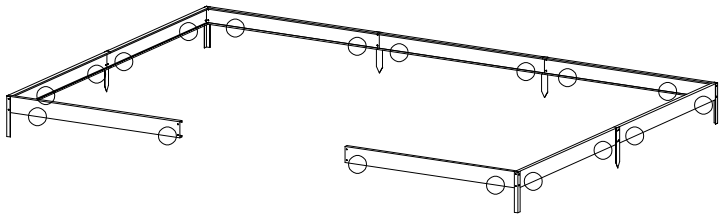
Base Assembly

! Attention:Turn over the steel plinths D306 & D367 & D308 to complete the base installation as shown below, when the greenhouse is NOT inserted and secured into the soft soil.

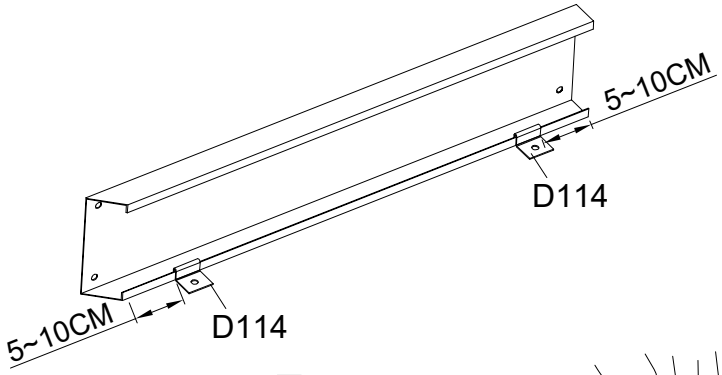


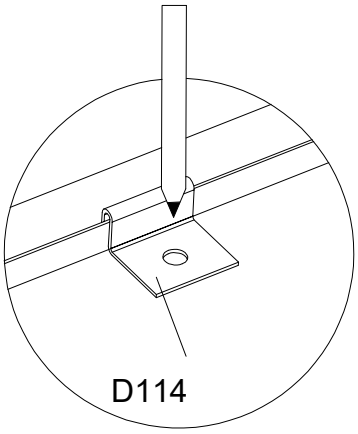
Base Assembly

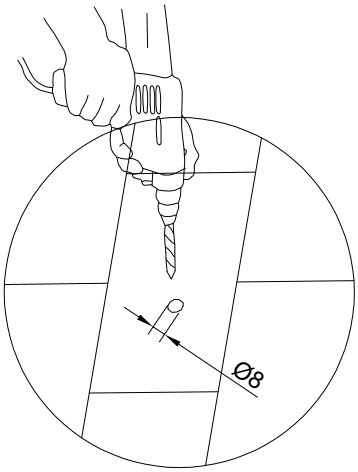
PART	NO	QTY
	D114	18
	S69 M6X60	18

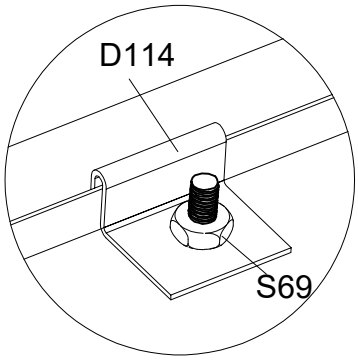


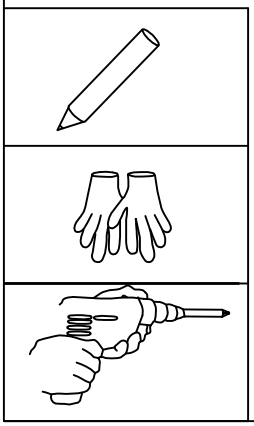
1. Fix the base anchor clip D114 onto each base section with a distance of 5~10CM from each end.
2. Mark the middle of the D114 hole to drill the Ø8 hole, then use S69 to fix the D144 to the ground

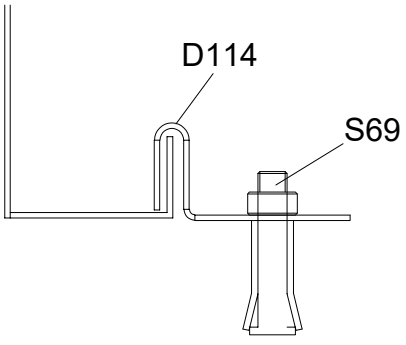




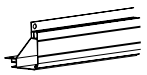
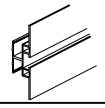
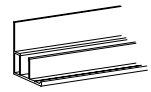


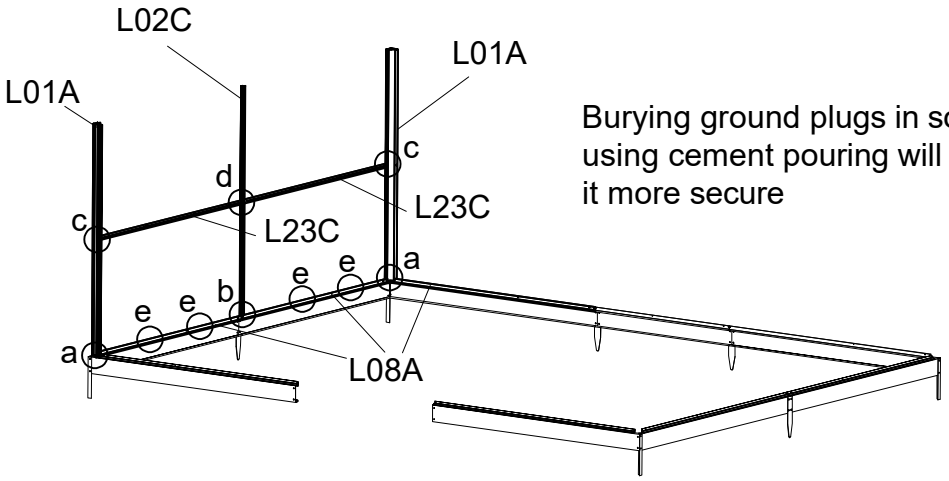




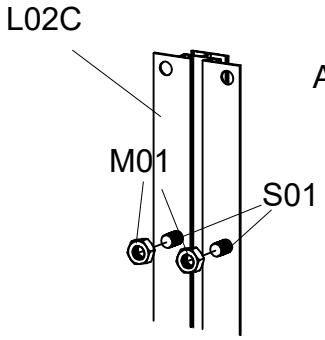


Wall Assembly

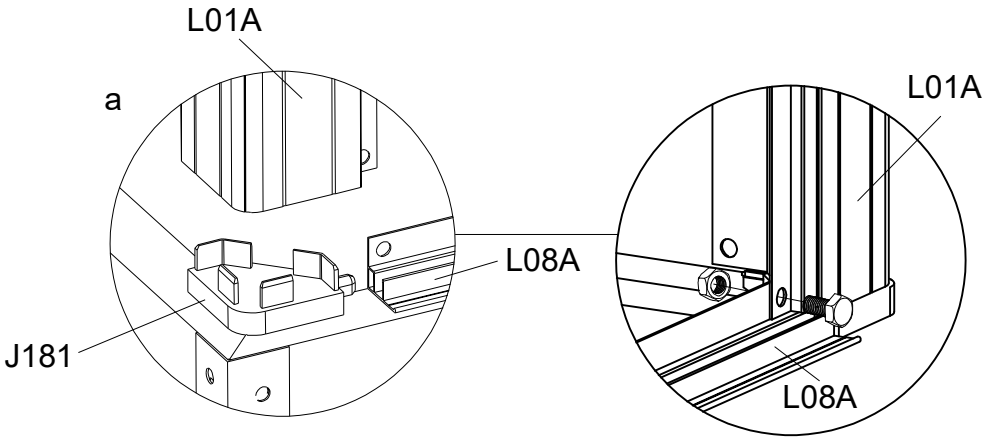
PART	NO	QTY
	L01A	2
	L02C	1
	L08A	3
	L23C	2
	J181	2
	S01 M6X12	8
	M01 M6	8
	Z08 M4.2X16	4

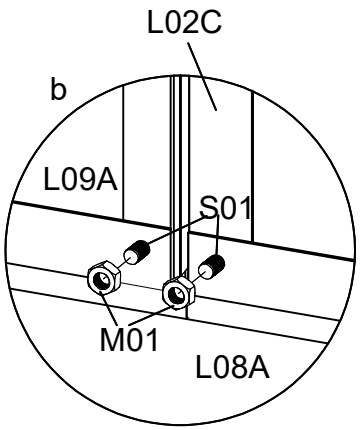


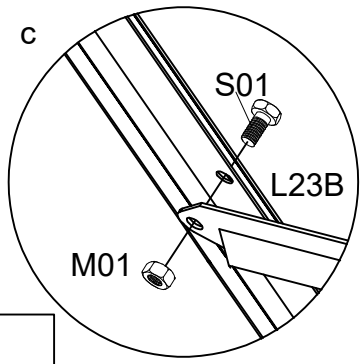
Burying ground plugs in soil or using cement pouring will make it more secure

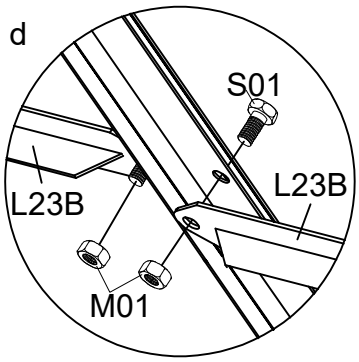


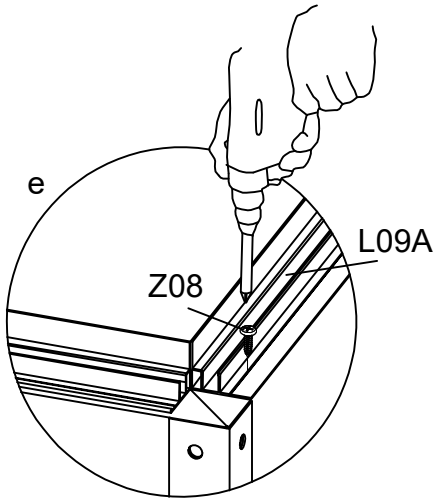
Attention! L02C with notch facing up.

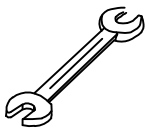








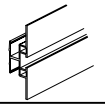
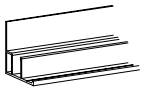
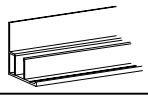


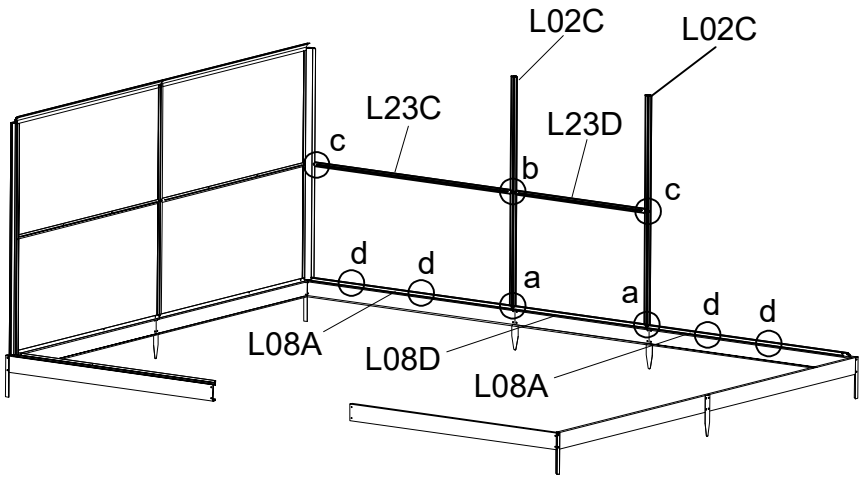


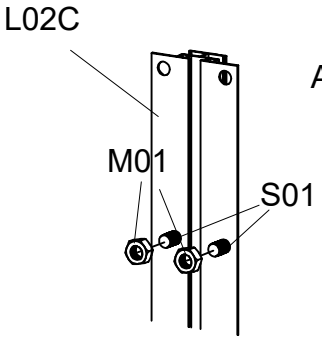


Use Z08 against the hole on L09A
Fix L09A to the foundation

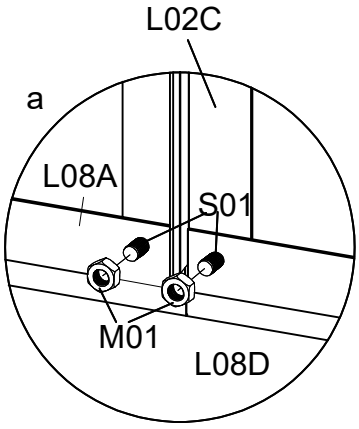
Wall Assembly

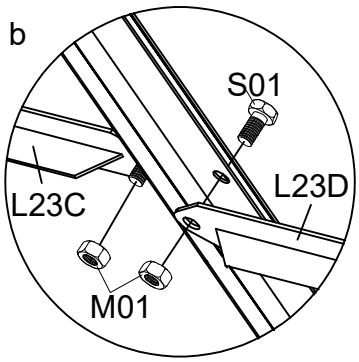
PART	NO	QTY
	L02C	2
	L23C	1
	L23D	1
	L08A	2
	L08D	1
	S01 M6X12	12
	M01 M6	12

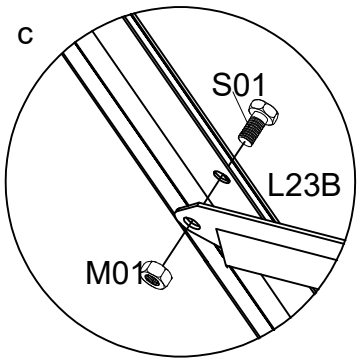


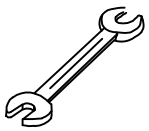


Attention! L02C with notch facing up.



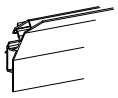


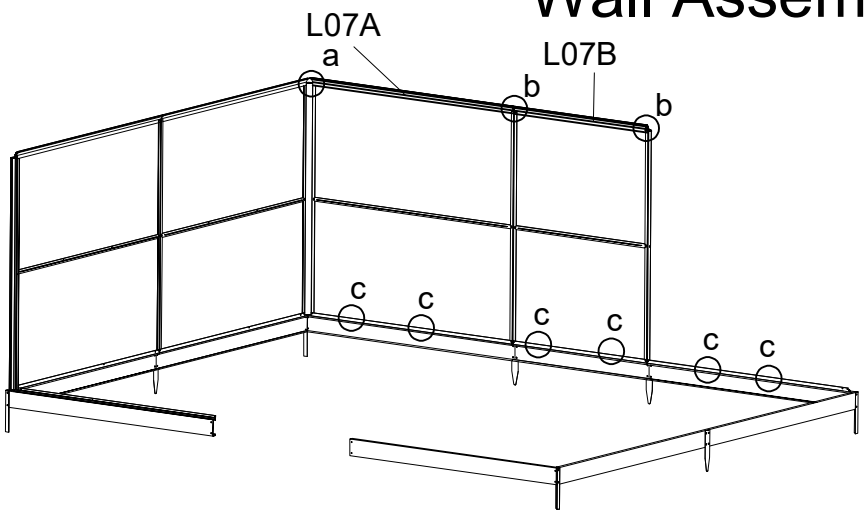


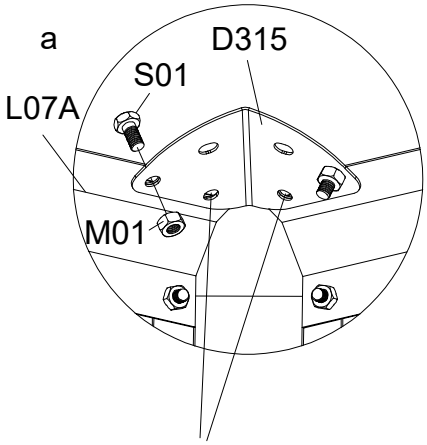




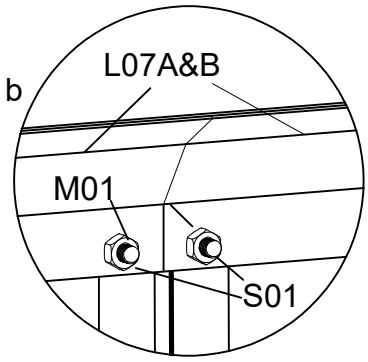
Wall Assembly

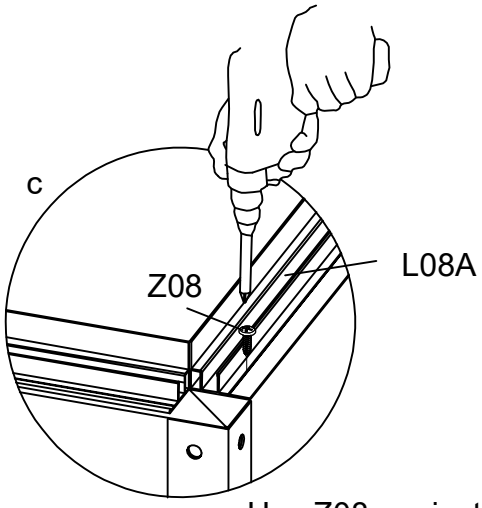
PART	NO	QTY
	L07A	1
	L07B	1
	S01 M6X12	4
	M01 M6	4
	Z08 M4.2X16	6



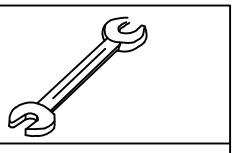


Attention! Part D315, two holes in the middle do not install screws, other screws should not be tightened until the entire product is installed.



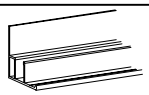
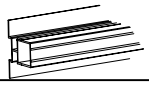


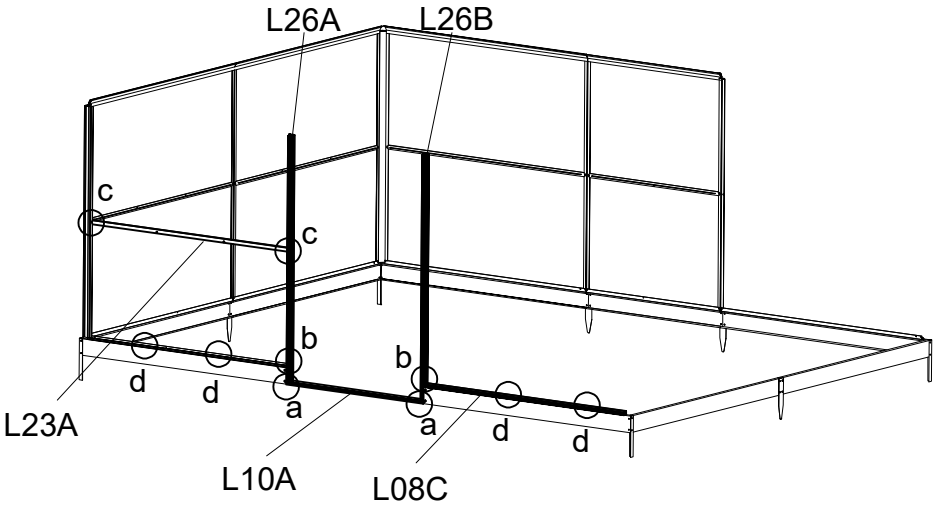
Use Z08 against the hole on L08A
Fix L08A to the foundation

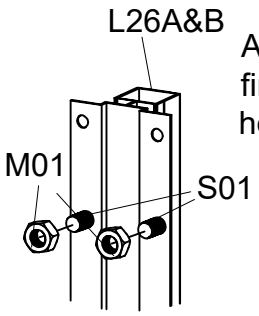




Wall Assembly

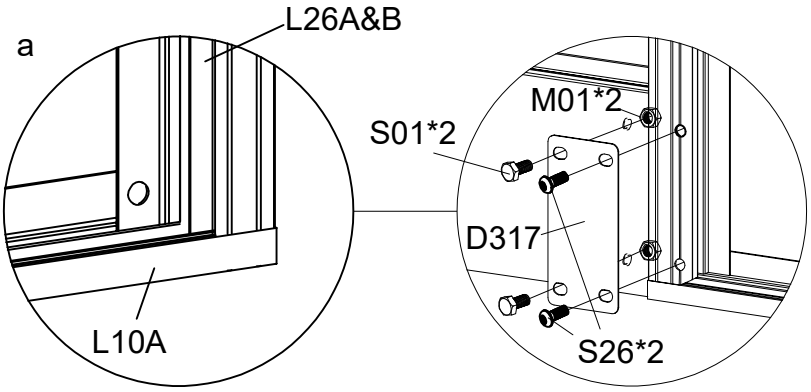
PART	NO	QTY
	L08C	1
	L10A	1
	L23A	1
	L26A	1
	L26B	1
	D317	2
	S01 M6X12	14
	M01 M6	14
	S26 M6X12	4
	Z08 M4.2X16	8

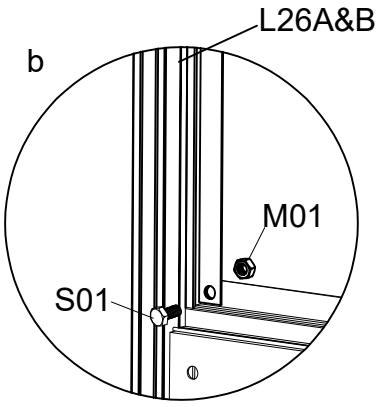


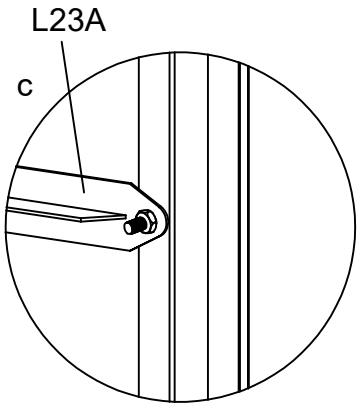


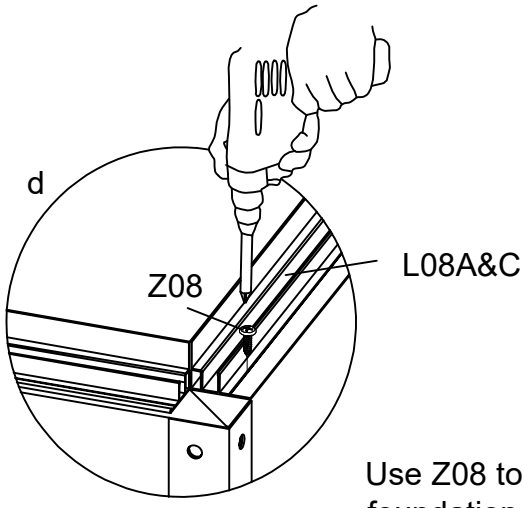
Attention! Install S01 and M01 first, and put the side with 4 holes of L26A&B face upwards

Fix L26A onto L08B,
L26B onto L08C using S01 & M01

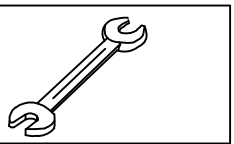


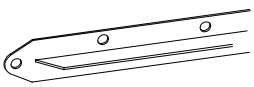






Use Z08 to fix L08A&C to the foundation with the holes on L08A&C.

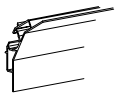


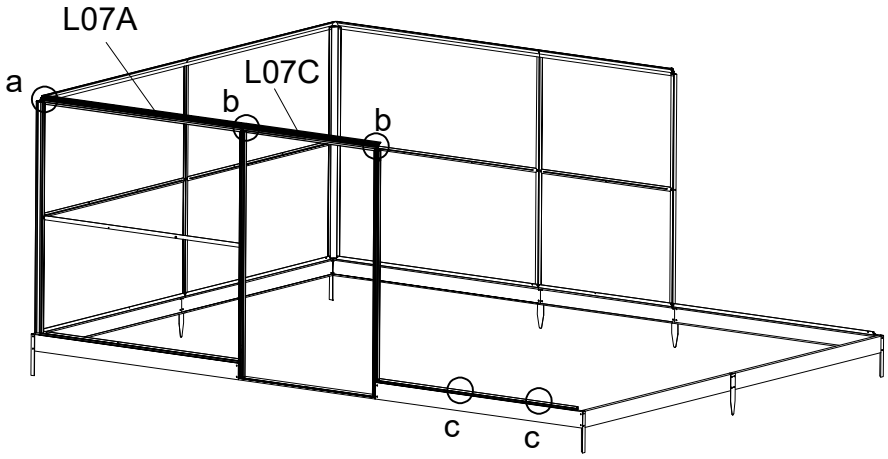


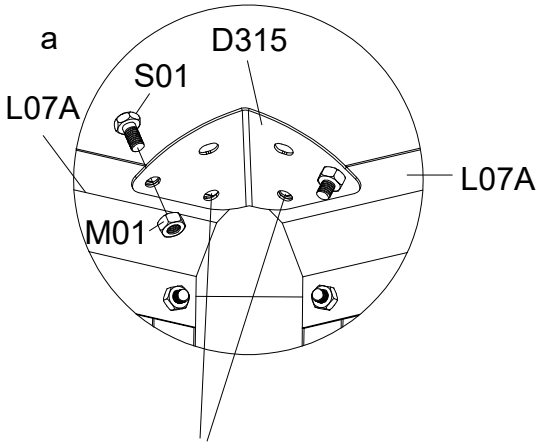


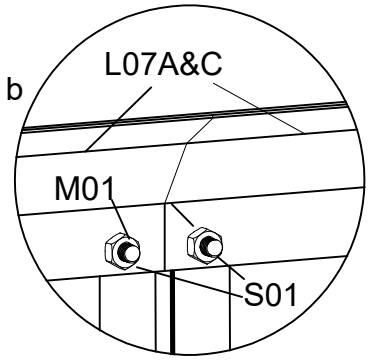
Attention! Put the side with 2 holes of L23A facing donwwards.

Wall Assembly

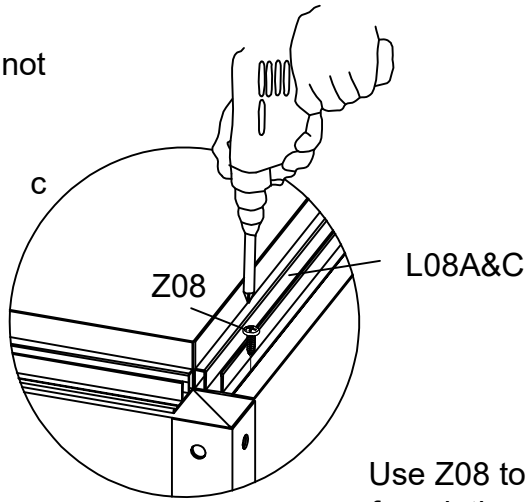
PART	NO	QTY
	L07A	1
	L07C	1
	S01 M6X12	4
	M01 M6	4
	Z08 M4.2X16	2



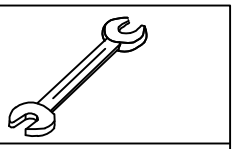




Attention! Part D315, two holes in the middle do not install screws, other screws should not be tightened until the entire product is installed.

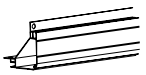
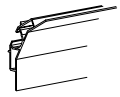


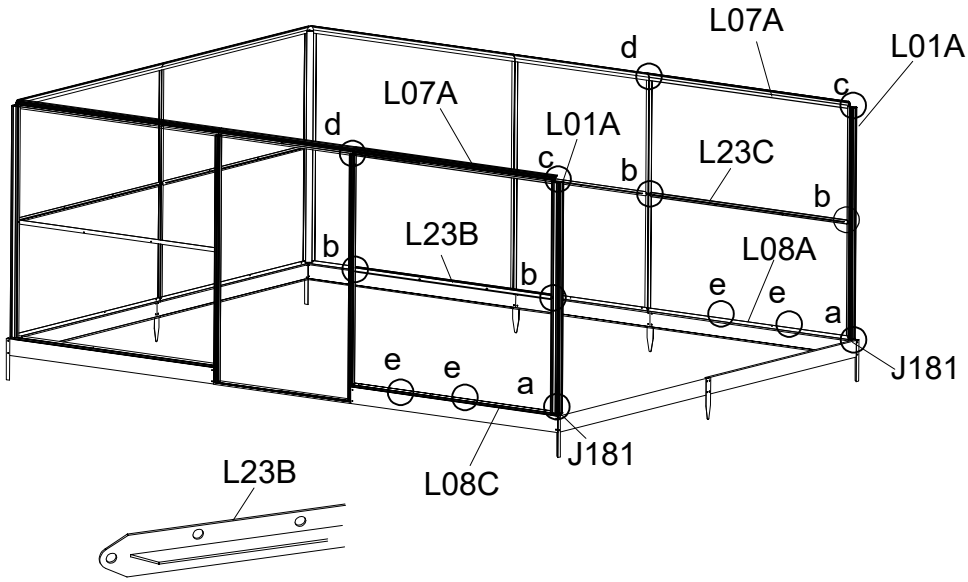
Use Z08 to fix L08A&C to the foundation with the holes on L08A&C.



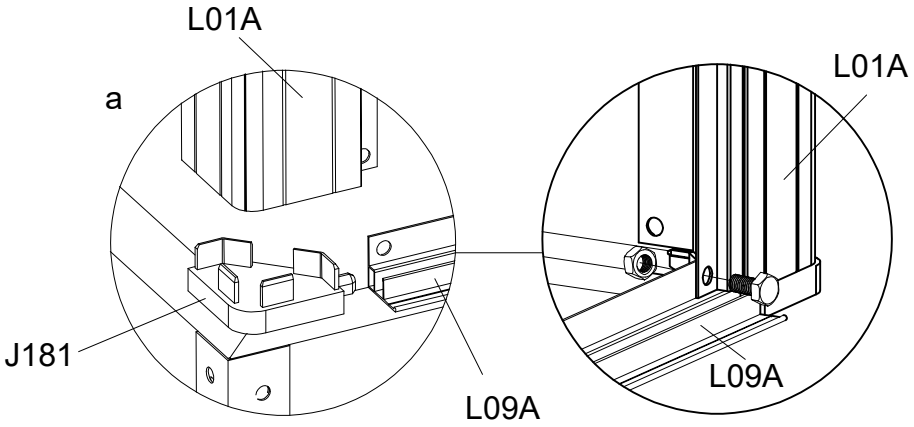


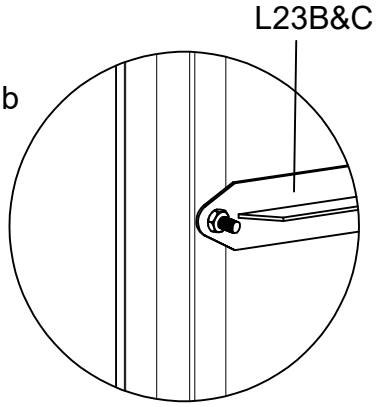
Wall Assembly

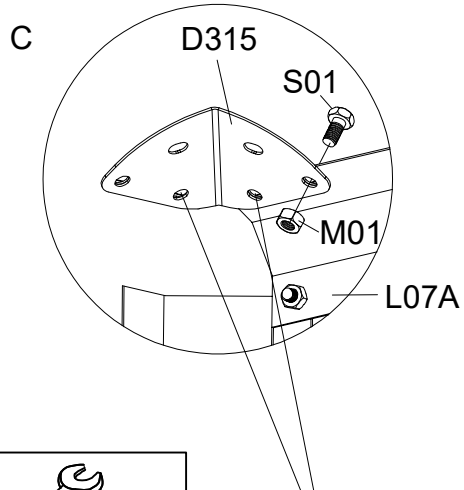
PART	NO	QTY
	L01A	2
	L07A	2
	L23B	1
	L23C	1
	J181	2
	S01 M6X12	10
	M01 M6	10
	Z08 M4.2X16	4

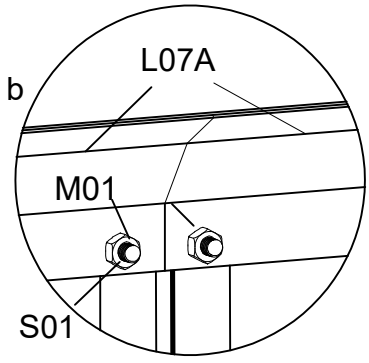


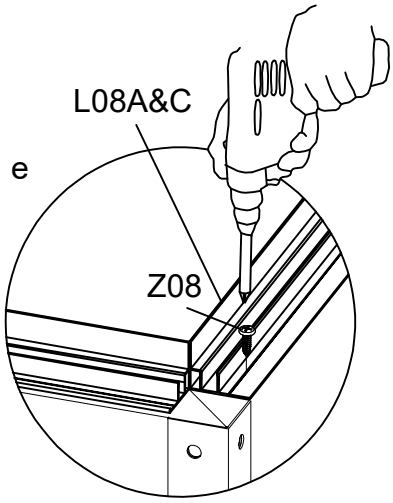
Attention! Put the side with 2 holes of L23B facing donwwards

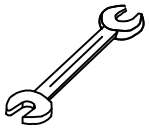










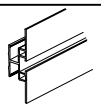
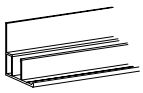


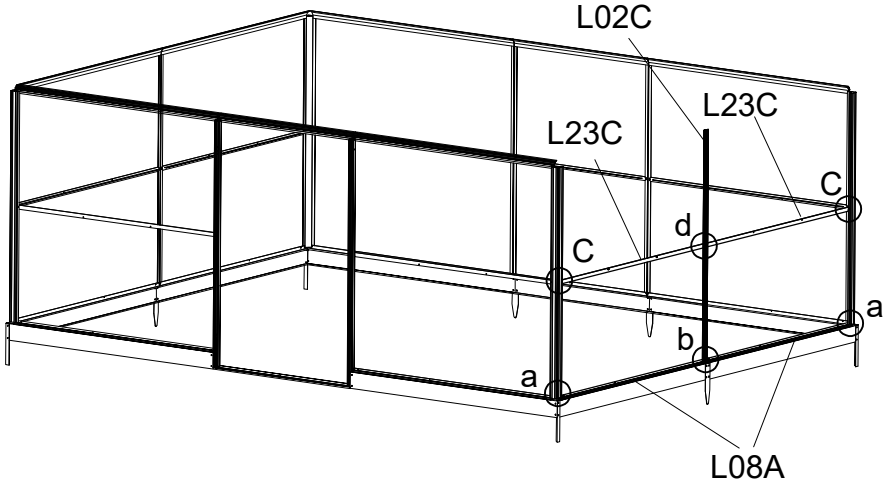


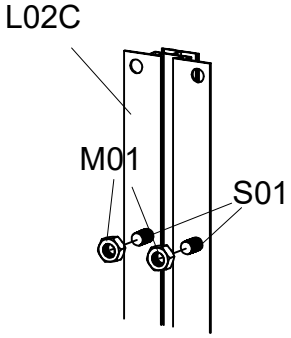
Attention! Part D315, two holes in the middle do not install screws, other screws should not be tightened until the entire product is installed.

Secure the L08A&C to the foundation with a Z08 against the hole in the L08A&C

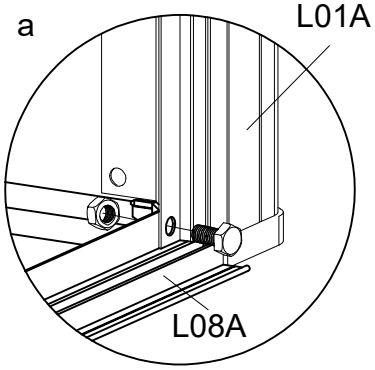
Wall Assembly

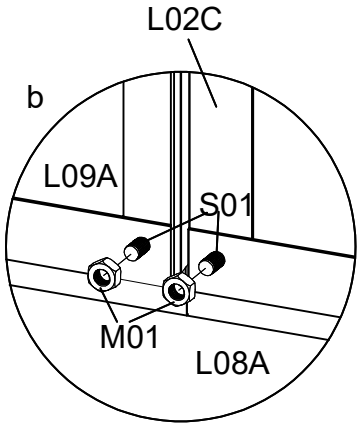
PART	NO	QTY
	L02C	1
	L08A	2
	L23C	2
	S01 M6X12	8
	M01 M6	8

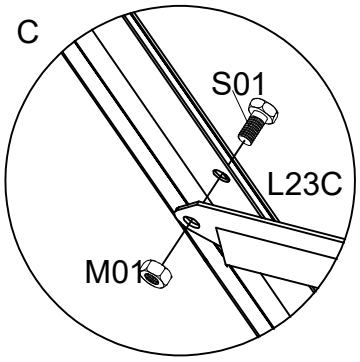


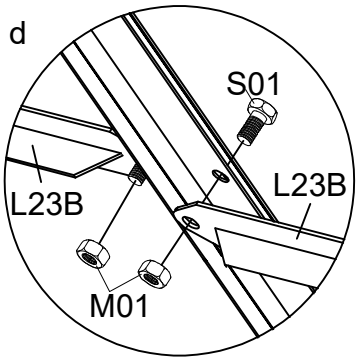


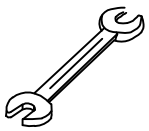
Attention! L02C with notch facing up.





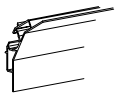


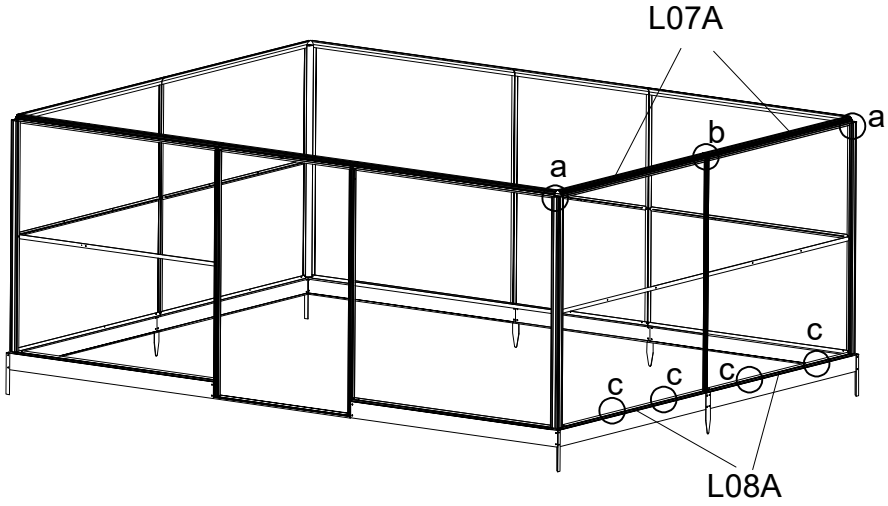


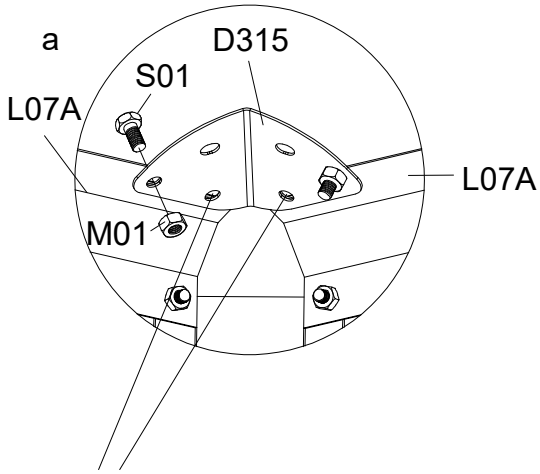


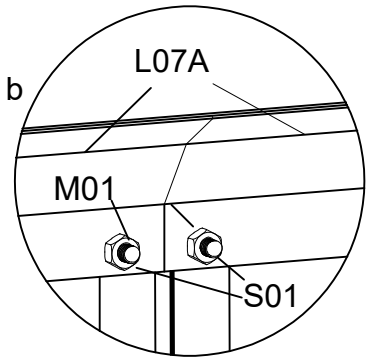


Wall Assembly

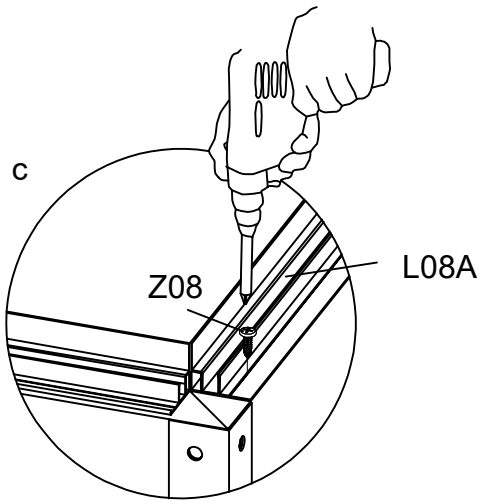
PART	NO	QTY
	L07A	2
	S01 M6X12	4
	M01 M6	4
	Z08 M4.2X16	4



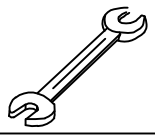




Attention! Part D315, two holes in the middle do not install screws, other screws should not be tightened until the entire product is installed.

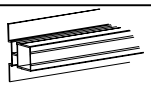


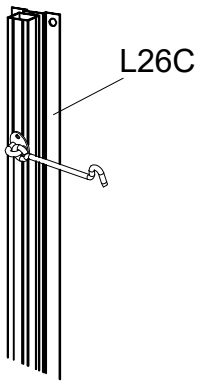
Secure the L08A to the foundation with Z08 against the hole in the L08A

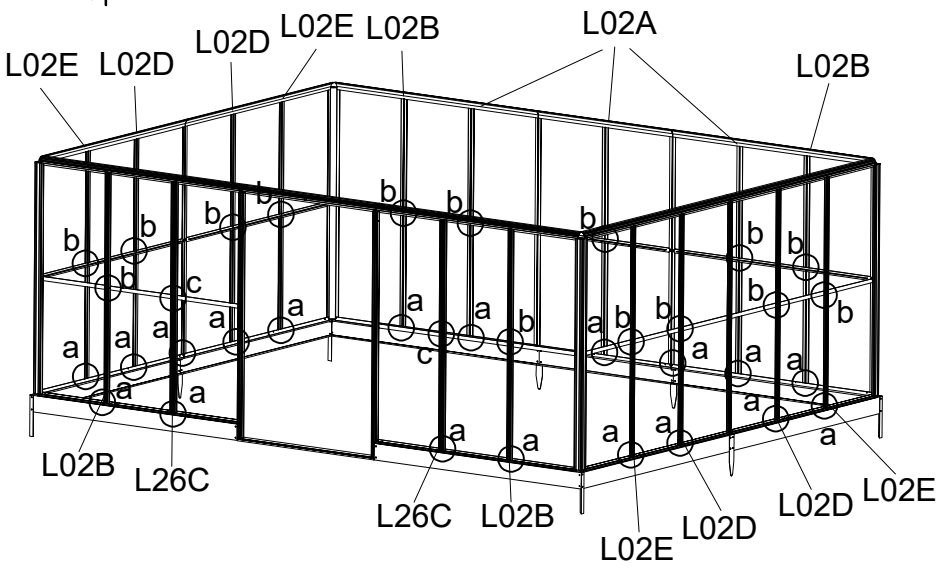




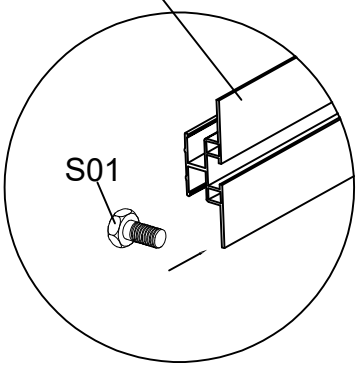
Wall Assembly

PART	NO	QTY
	L02A	3
	L02B	4
	L02D	4
	L02E	4
	L26C	2
	S01 M6X12	53
	M01 M6	53



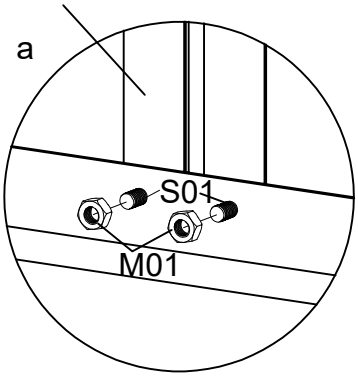


L02A&L02B
&L02D&L02E

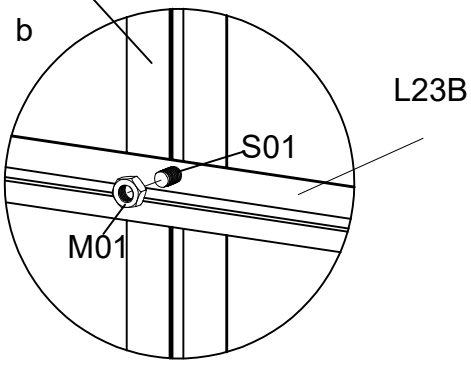


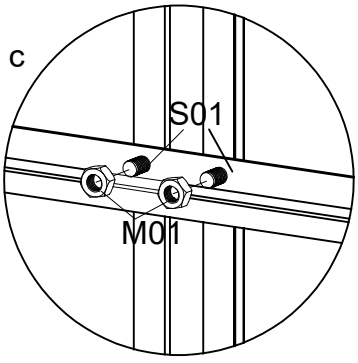
Slide S01 into each
L02A&L02B&L02D&L02E
bolt channel
to be used later.

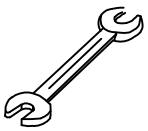
L02A&L02B&L02D
&L02E&L26C



L02A&L02B
&L02D&L02E



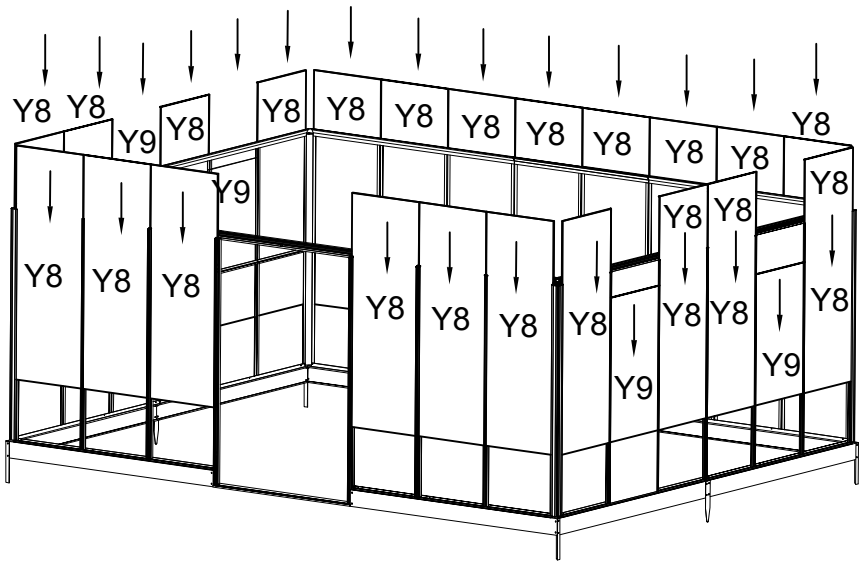




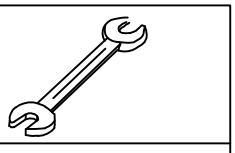


Wall Assembly

PART	NO	QTY
	Y8	22
	Y9	4

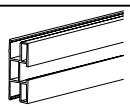


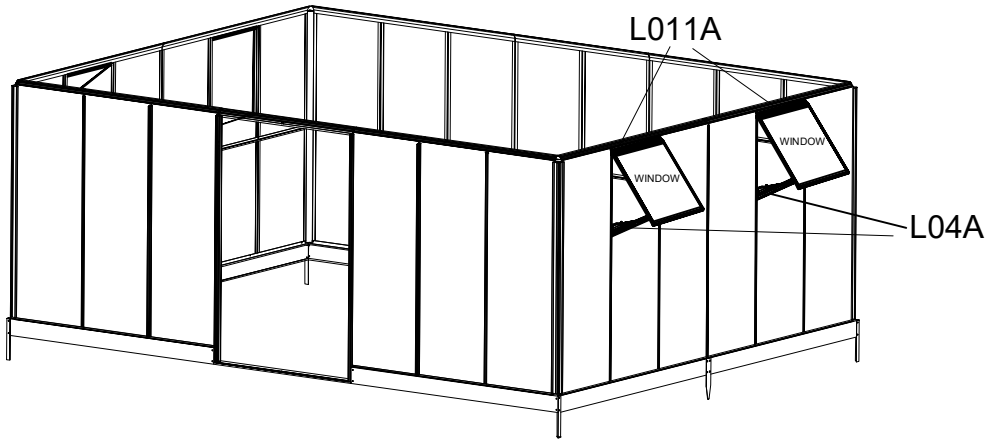
! Attention:Remove the protective films from both sides of each polycarbonate panel, before inserting into aluminum channels. Ensure the milky white film faces towards the Sun.

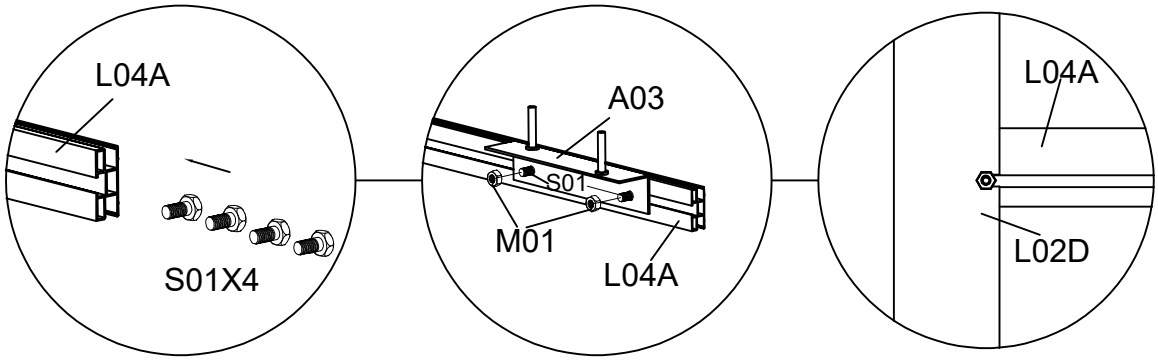




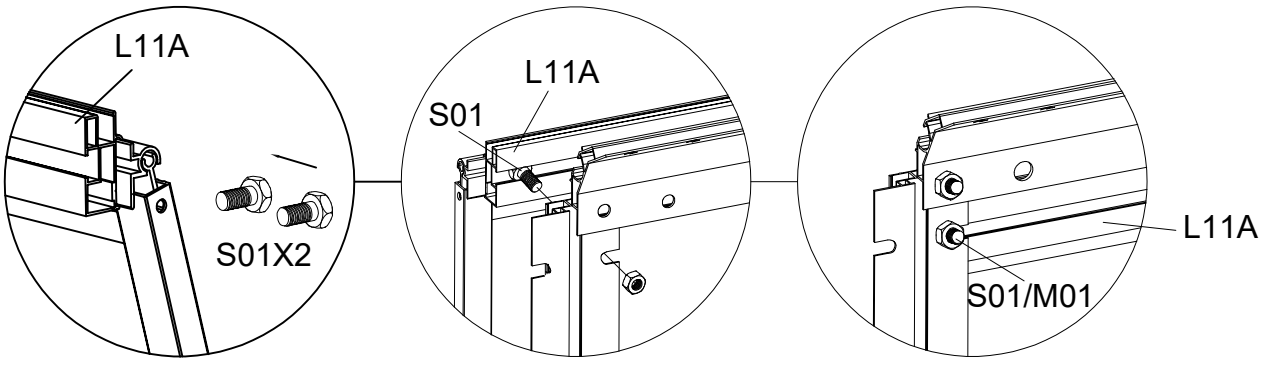
Wall Assembly

PART	NO	QTY
	L04A	4
	A03	4
	WINDOW	4
	S01 M6X12	24
	M01 M6	24

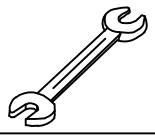




Slide 4 bolts (S01) into each L04A bolt channel. 2 to be fixed with A03, and another 2 to be fixed with L02D

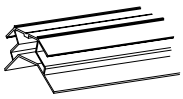


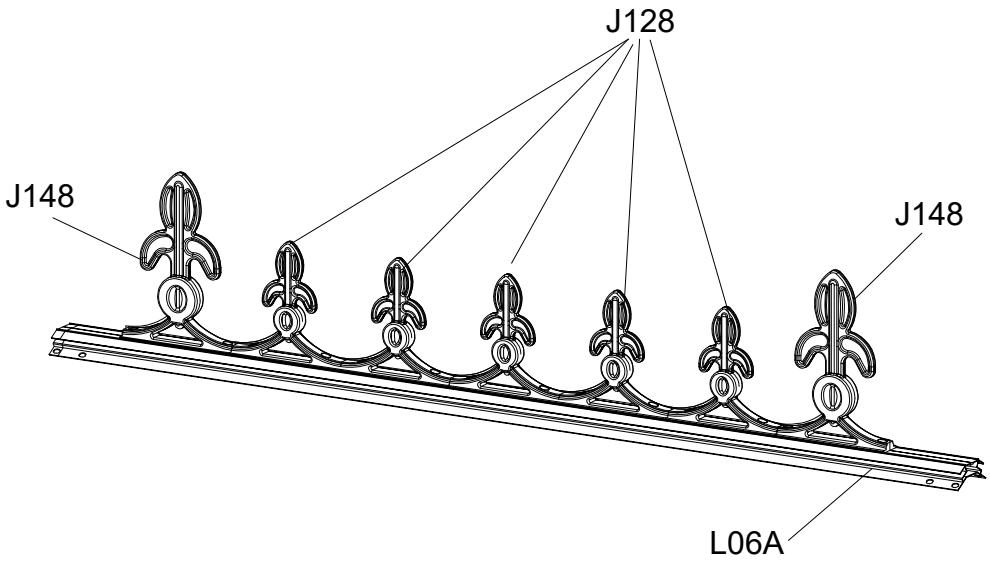
Slide 2 bolts (S01) into each L12A, and bolt it to L02D/L02E, using the S01 & M01.



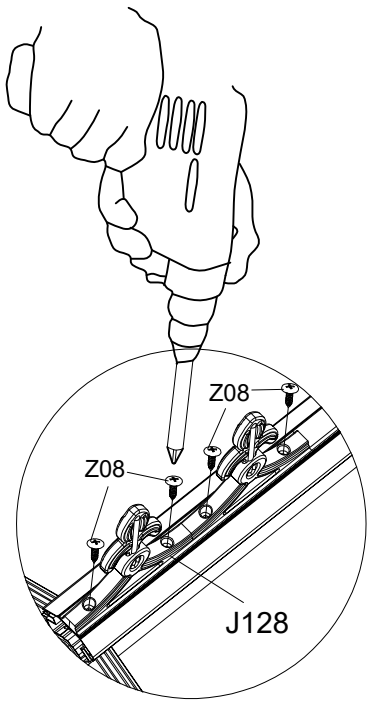


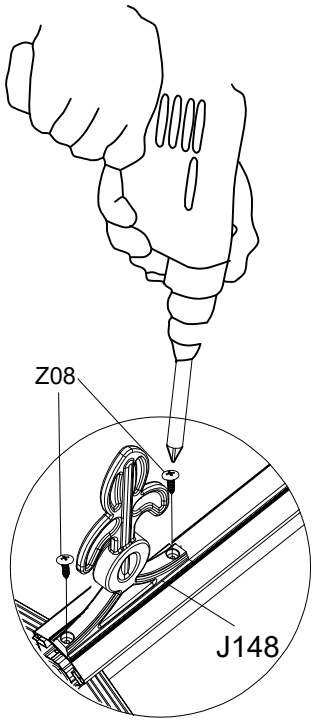
Top Assembly

PART	NO	QTY
	L06A	1
	J128	2
	J128-1	1
	J148	2
	Z08 M4.2X16	16



J148 is approximately 80mm from the ends of L06A

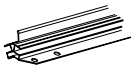




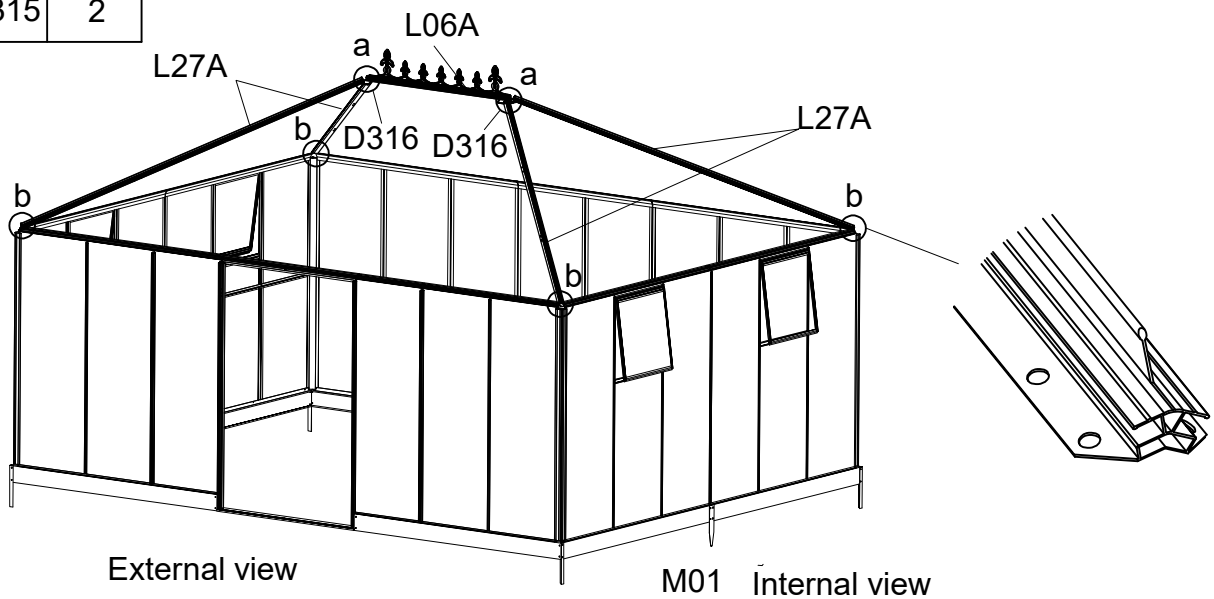


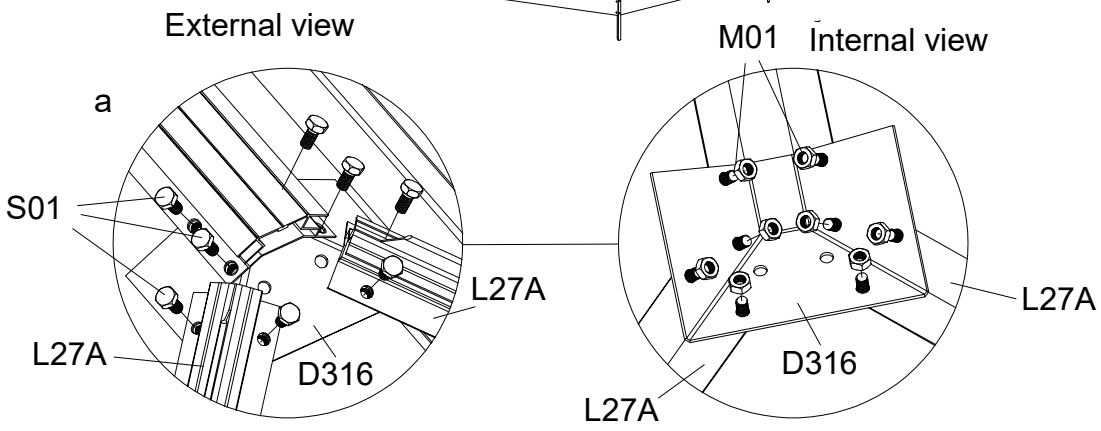


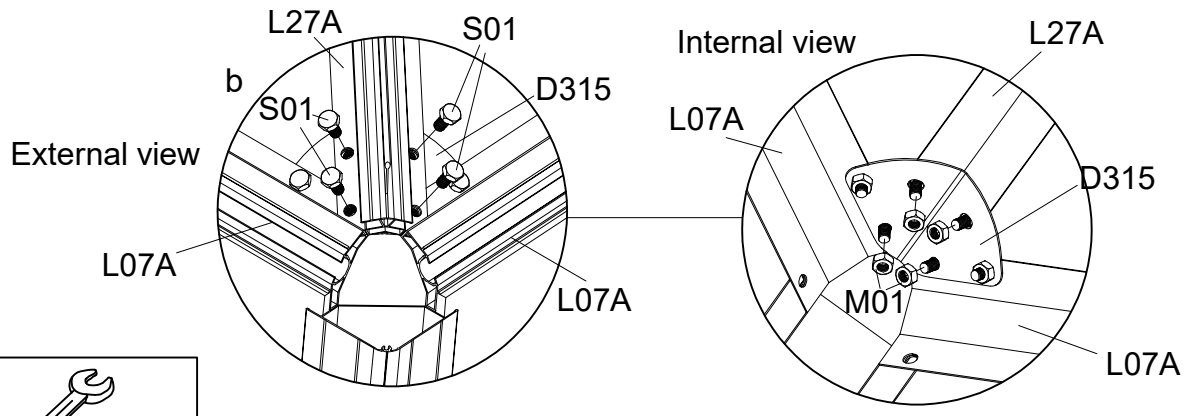
Top Assembly

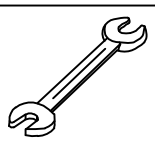
PART	NO	QTY
	L27A	4
	D316	2
	S01 M6X12	32
	M01 M6	32
	D315	2

Attention! The side of L27A with four holes are facing downwards.





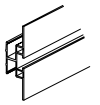
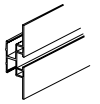




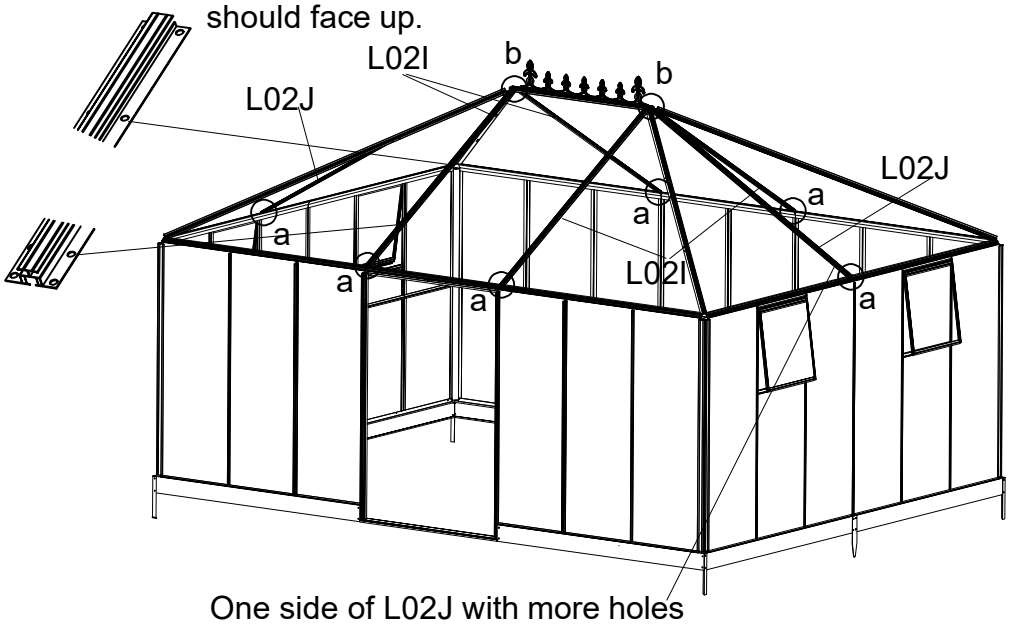


Attention! Do not tighten the screws on D315 and D316 until the entire product installed.

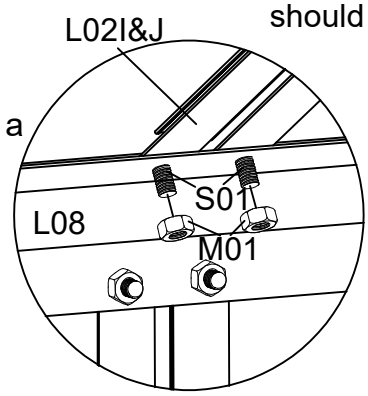
Top Assembly

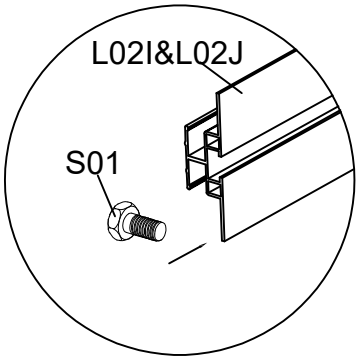
PART	NO	QTY
	L02I	4
	L02J	2
	S01 M6X12	30
	M01 M6	24

Attention! One of the 2 middle holes far from one end of L02I should face up.



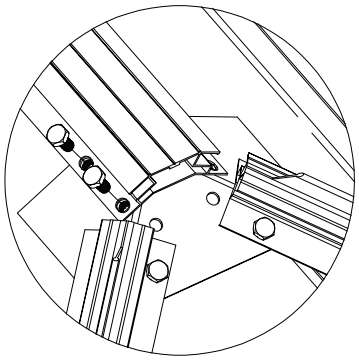
One side of L02J with more holes should face down.

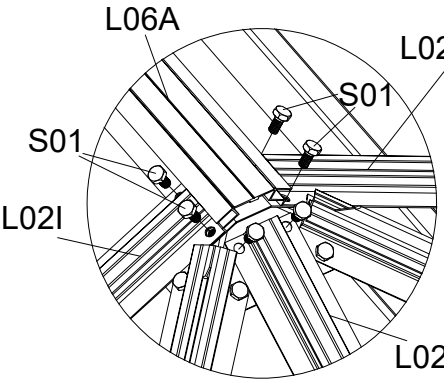


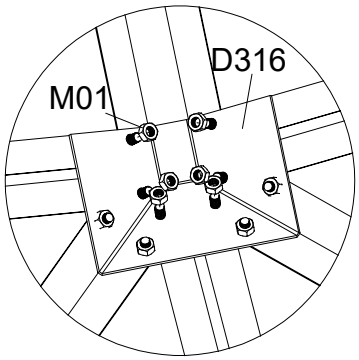


Slide S01 into each L02I end L02J bolt channel to be used later.

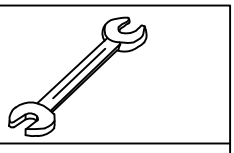
b





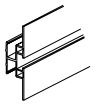


Before installing L02I, it is necessary to remove the S01 installed on L06A, and remove one side of S01 to install one L02I.

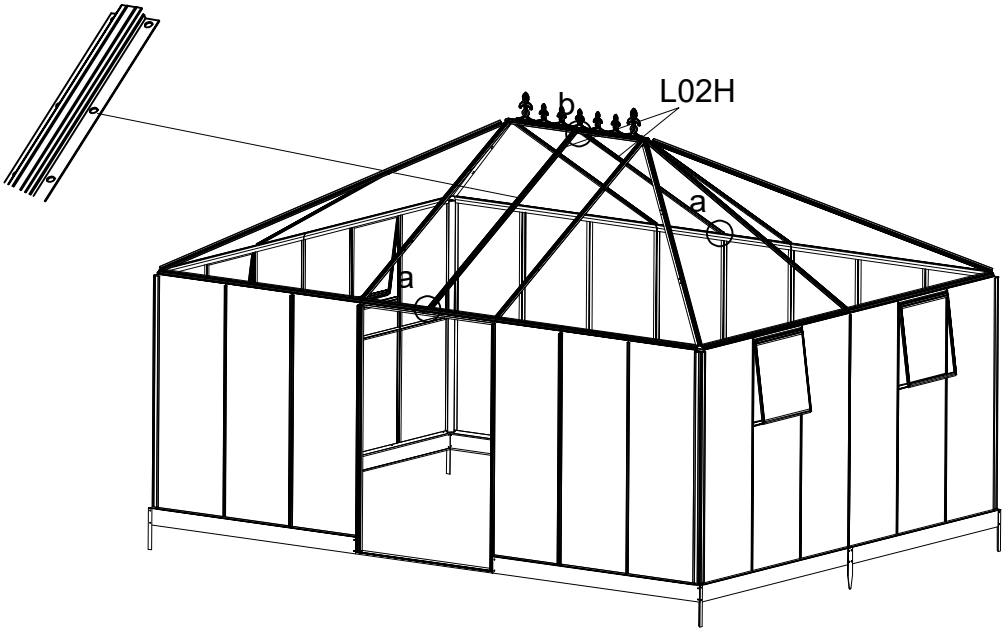


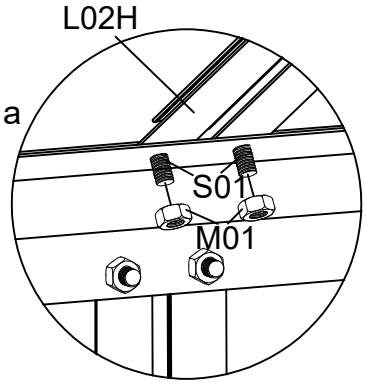


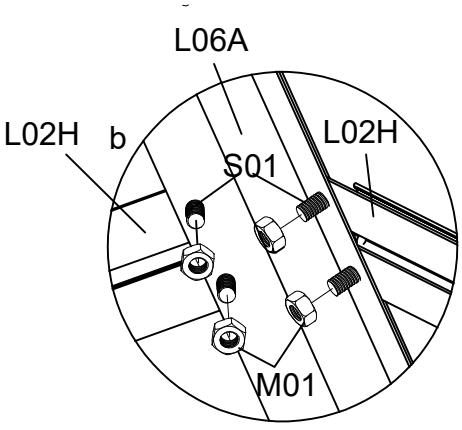
Top Assembly

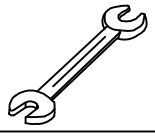
PART	NO	QTY
	L02H	2
	S01 M6X12	8
	M01 M6	8

Attention! One of the 4 middle holes far from one end of L02Hshould face up.





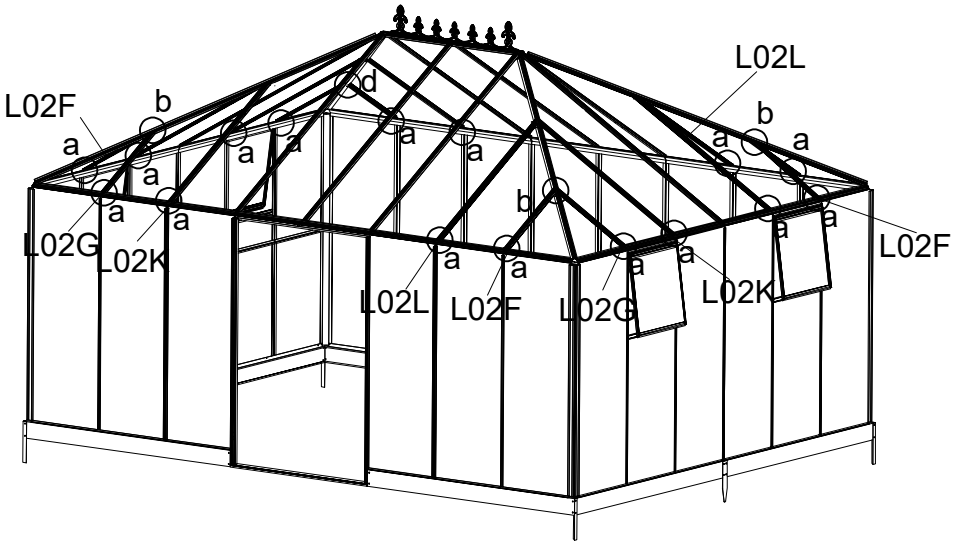


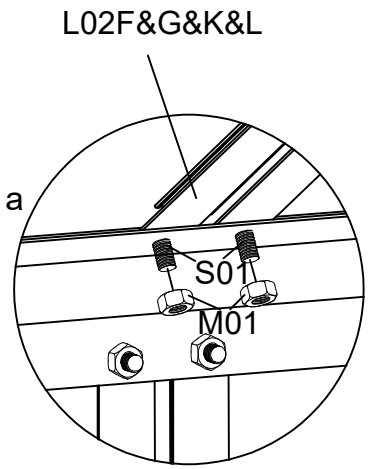


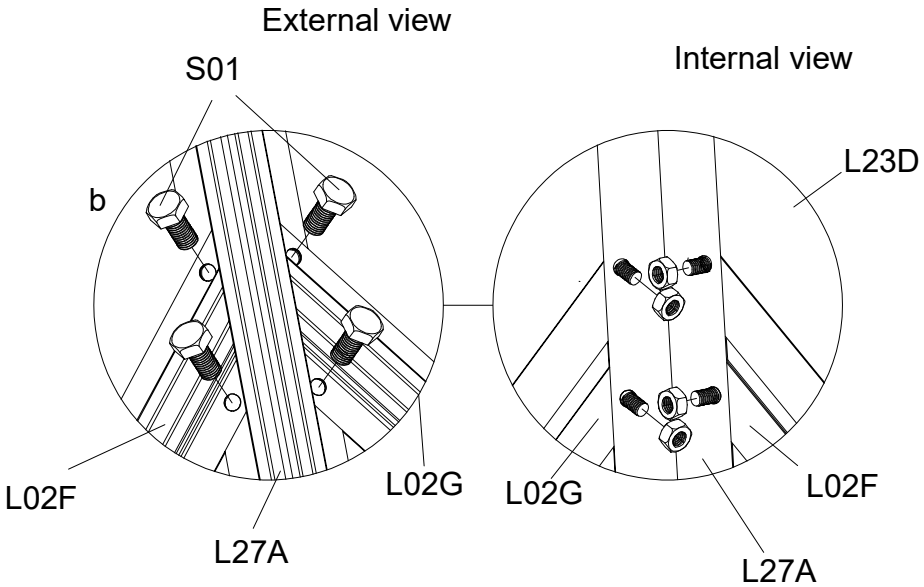


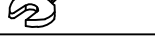
Top Assembly

PART	NO	QTY
	L02F	4
	L02G	4
	L02K	4
	L02L	4
	S01 M6X12	48
	M01 M6	48





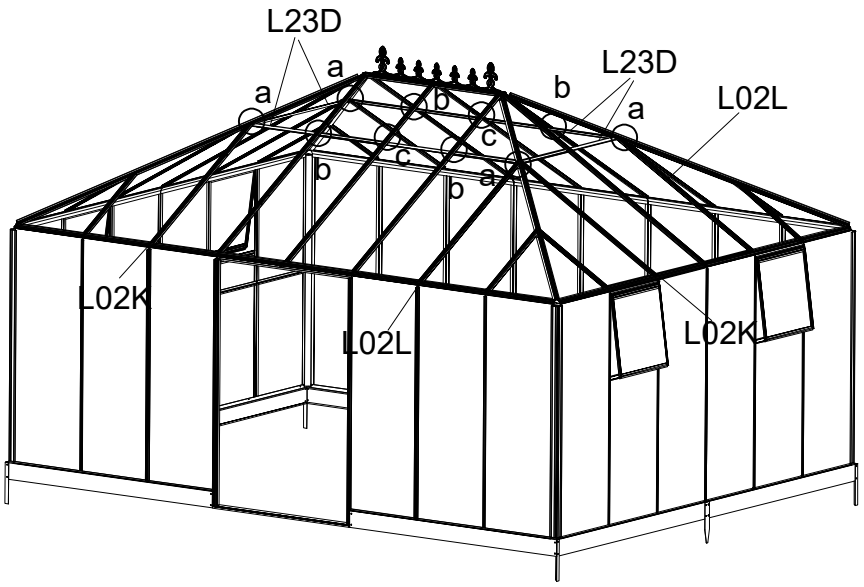


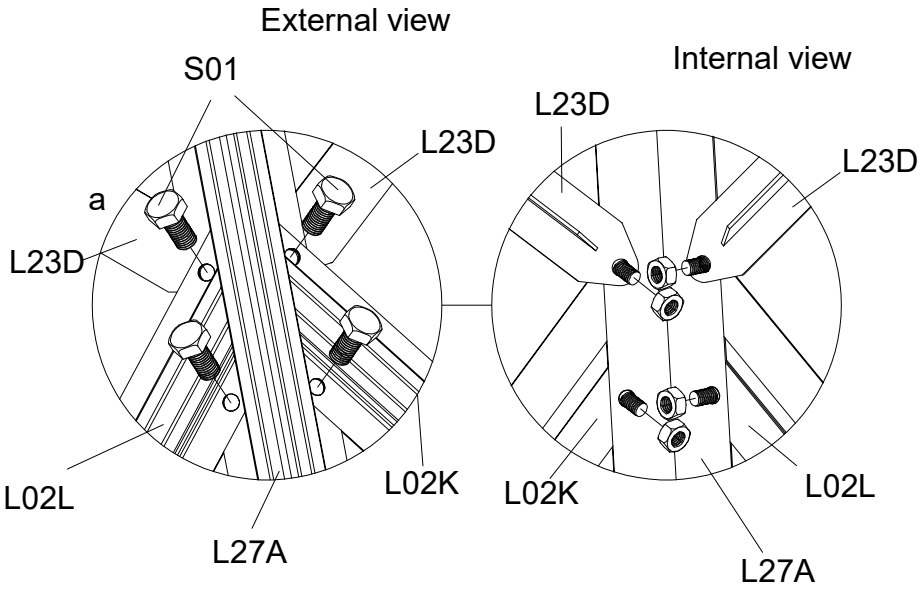


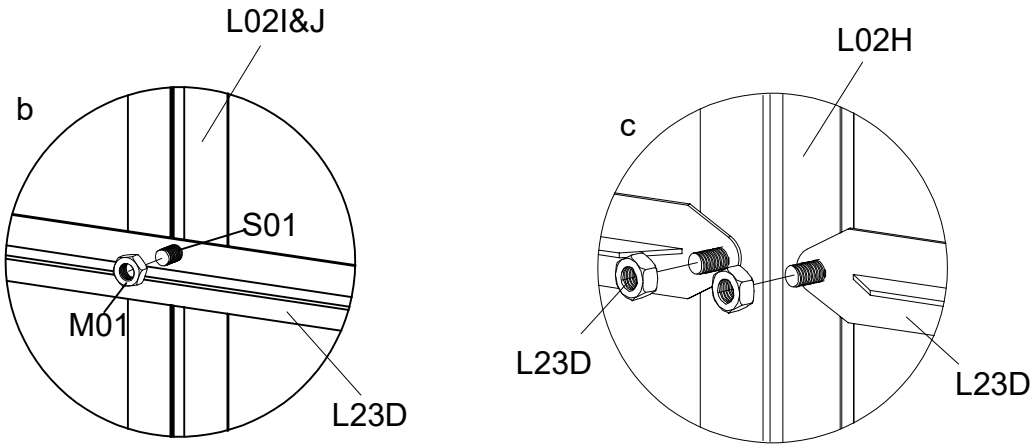


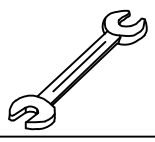
Top Assemaly

PART	NO	QTY
	L23D	6
	S01 M6X12	26
	M01 M6	26



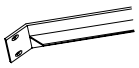
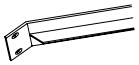


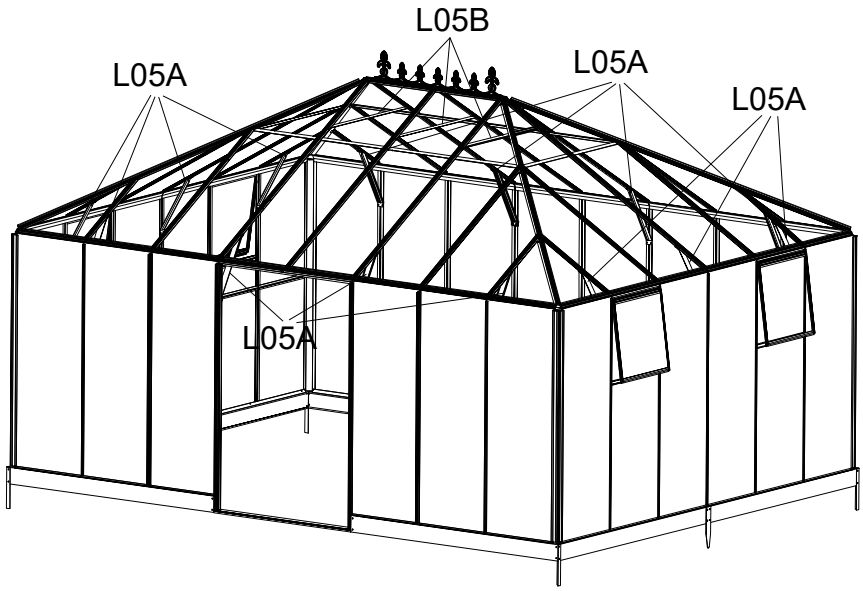


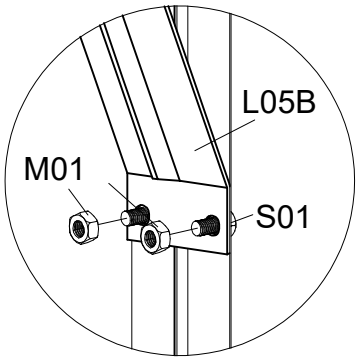




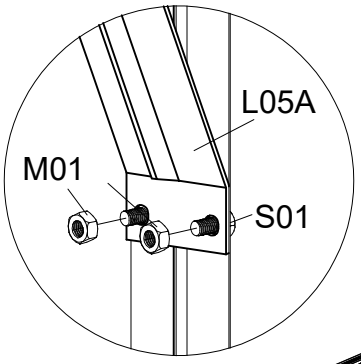
Top Assembly

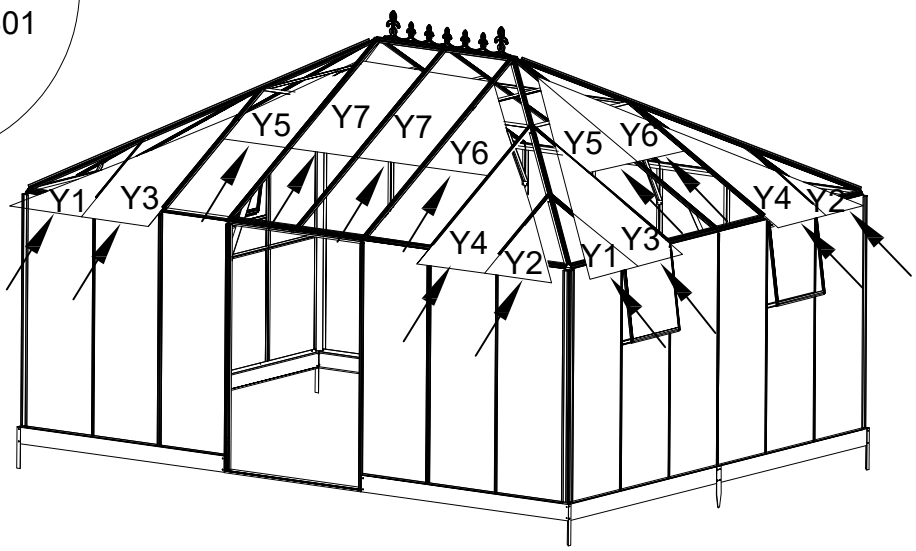
PART	NO	QTY
	L05A	14
	L05B	3
	Y1	4
	Y2	4
	Y3	4
	Y4	4
	Y5	4
	Y6	4
	Y7	4
	S01 M6X12	76
	M01 M6	76

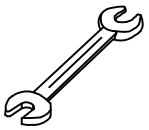




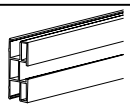
Attention!When installing L05A and L05B, it is necessary to lift the top up so that the L07 segments are flush and do not protrude outward, and then tighten them with S01 and M01.

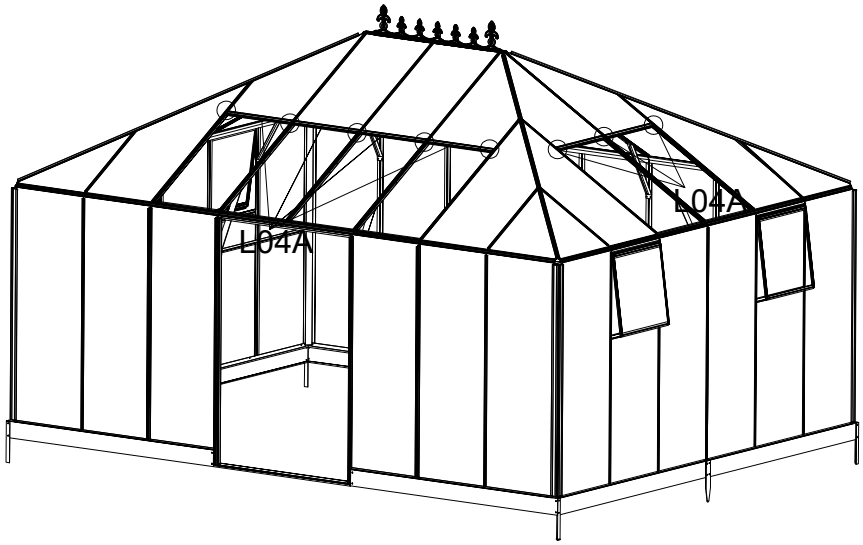


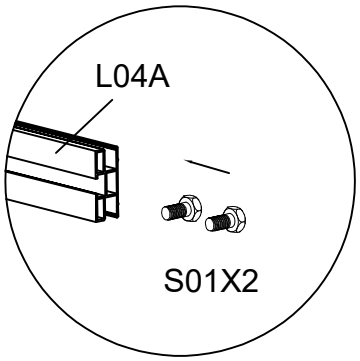


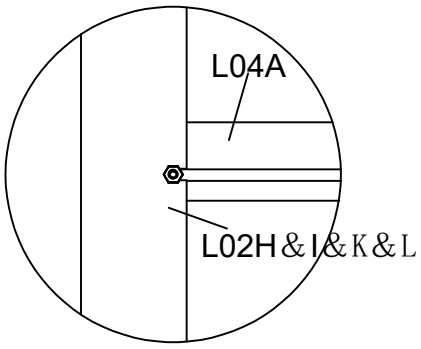




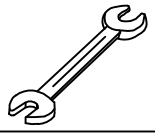
PART	NO	QTY
	L04A	12
	S01 M6X12	24
	M01 M6	24







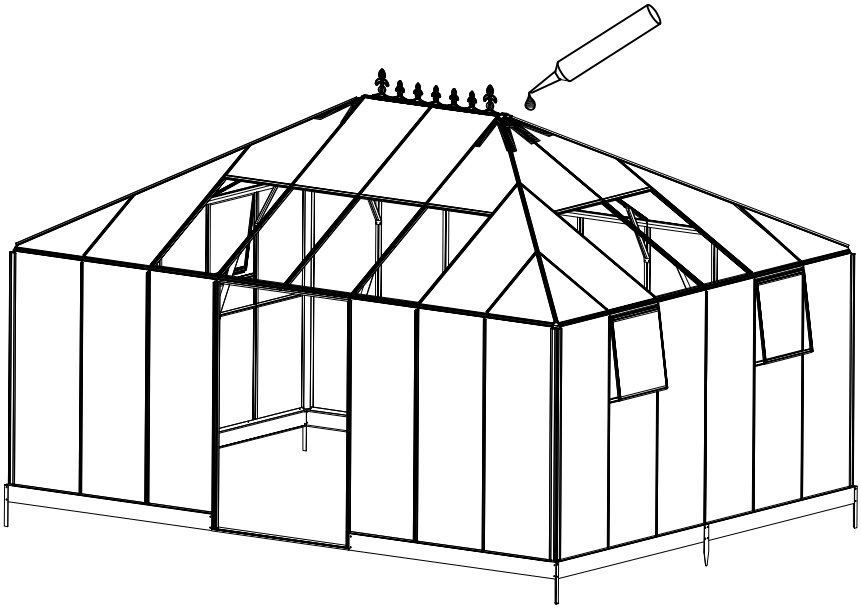
Slide S01 into each L04A channel to be used later.

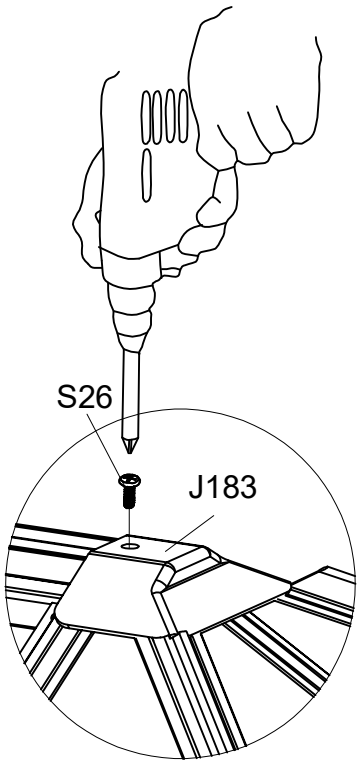


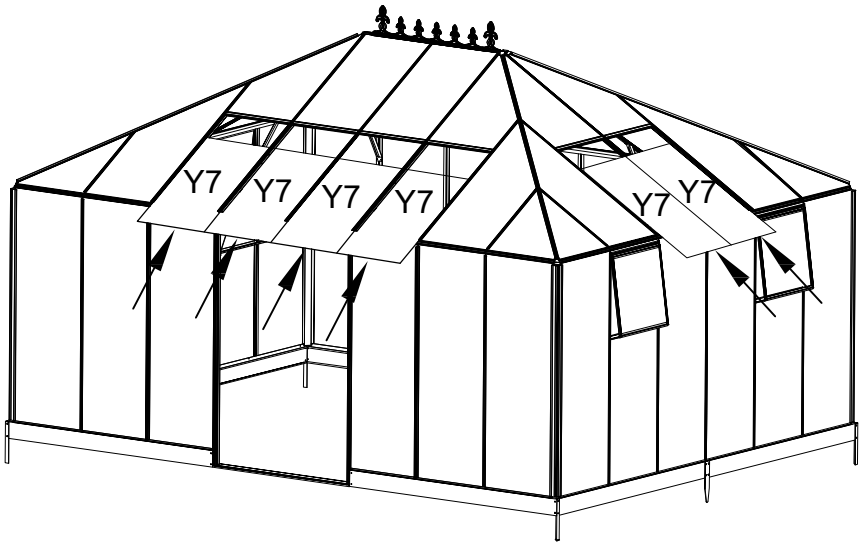


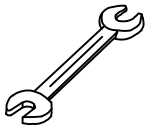
Top Assembly

PART	NO	QTY
	Y7	12
	J183	2
	S26 M6X12	2





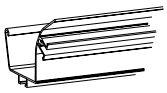
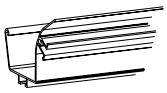


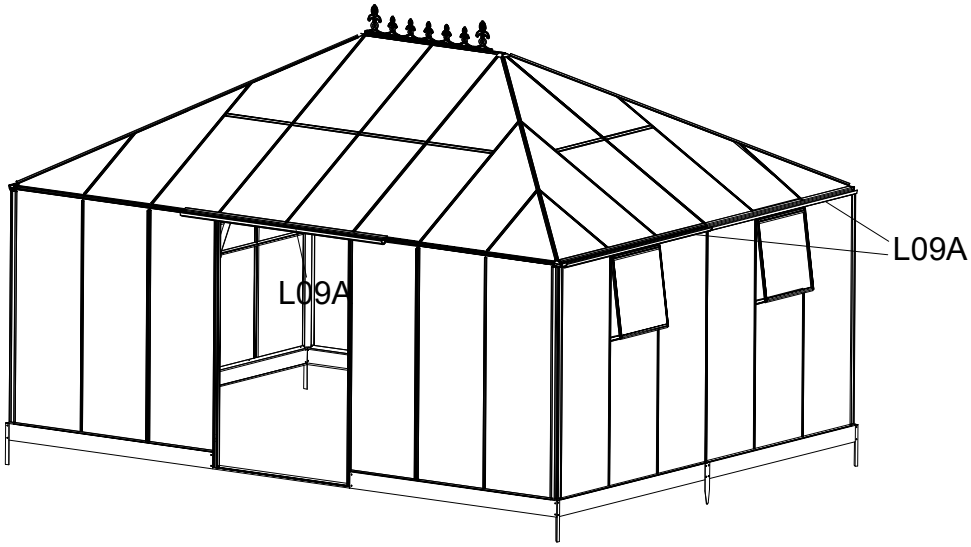


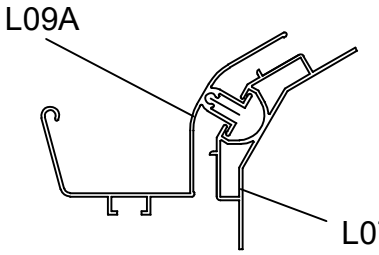


! Attention:Remove the protective films from both sides of each polycarbonate panel, before inserting into aluminum channels. Ensure the milky white film faces towards the Sun.

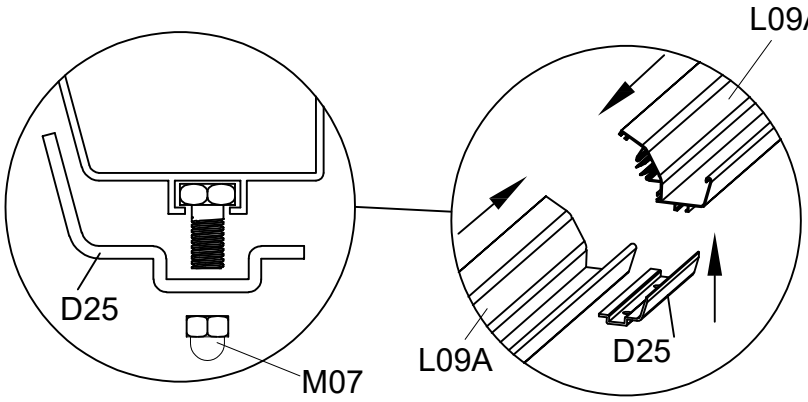
Top Assembly

PART	NO	QTY
	L09A	6
	L09B	4
	D25	6
	S01 M6X12	12
	M07 M6	12

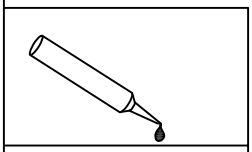


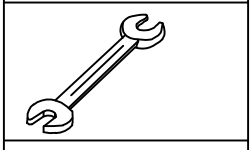


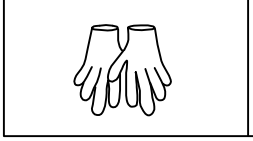
When the panels are completely inserted, fix gutter profile L09A
Tap it gently into position
with a rubber mallet.



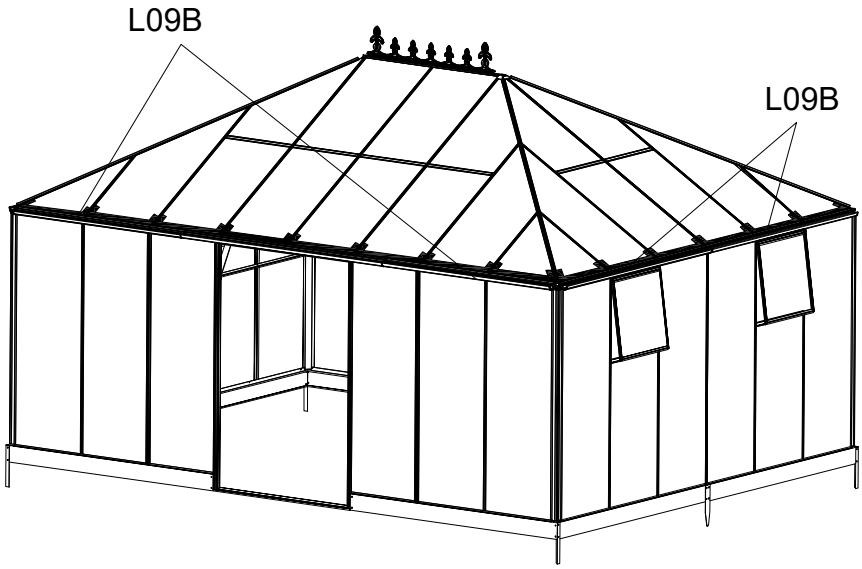
Slide 1*S01 into the bolt channel of both L09A,
fix D25 to L09A using S01 & M07.

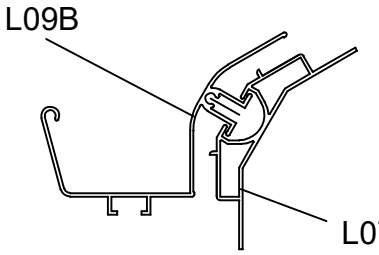




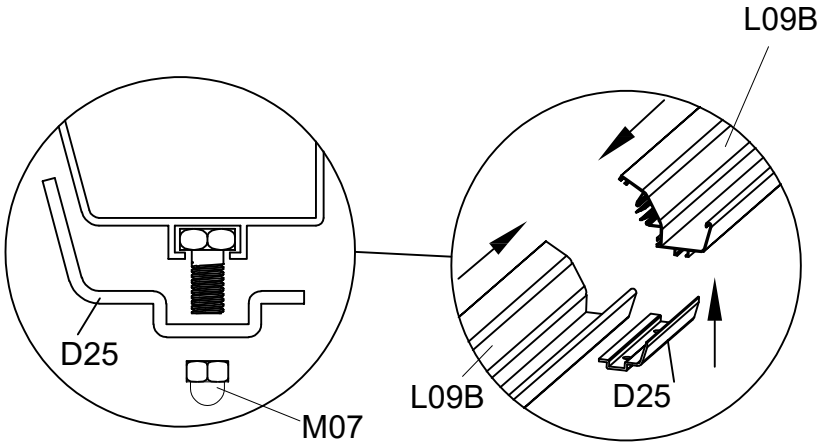


Top Assembly

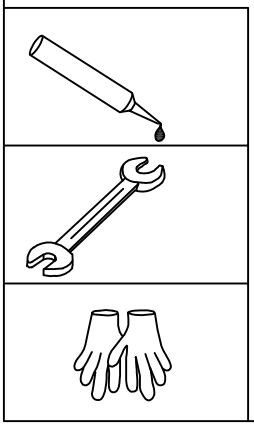




When the panels are completely inserted, fix gutter profile L09B
Tap it gently into position
with a rubber mallet.

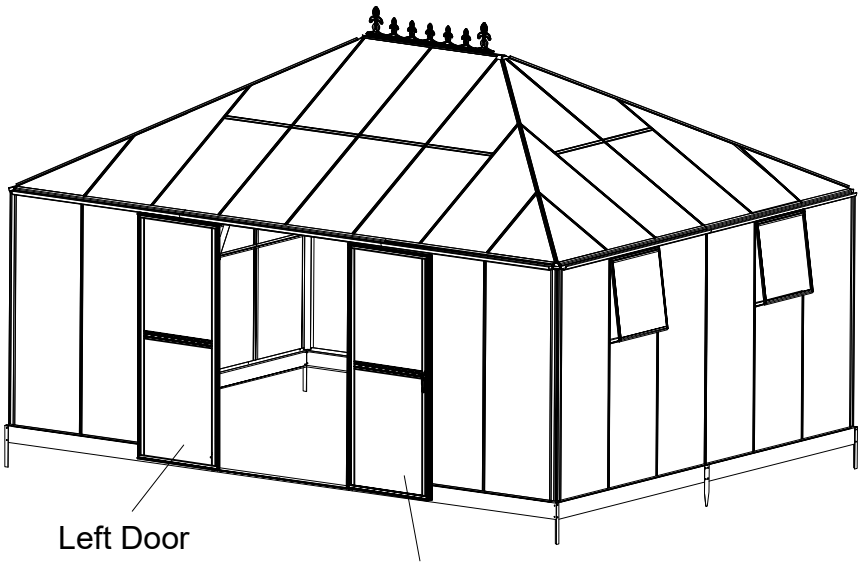


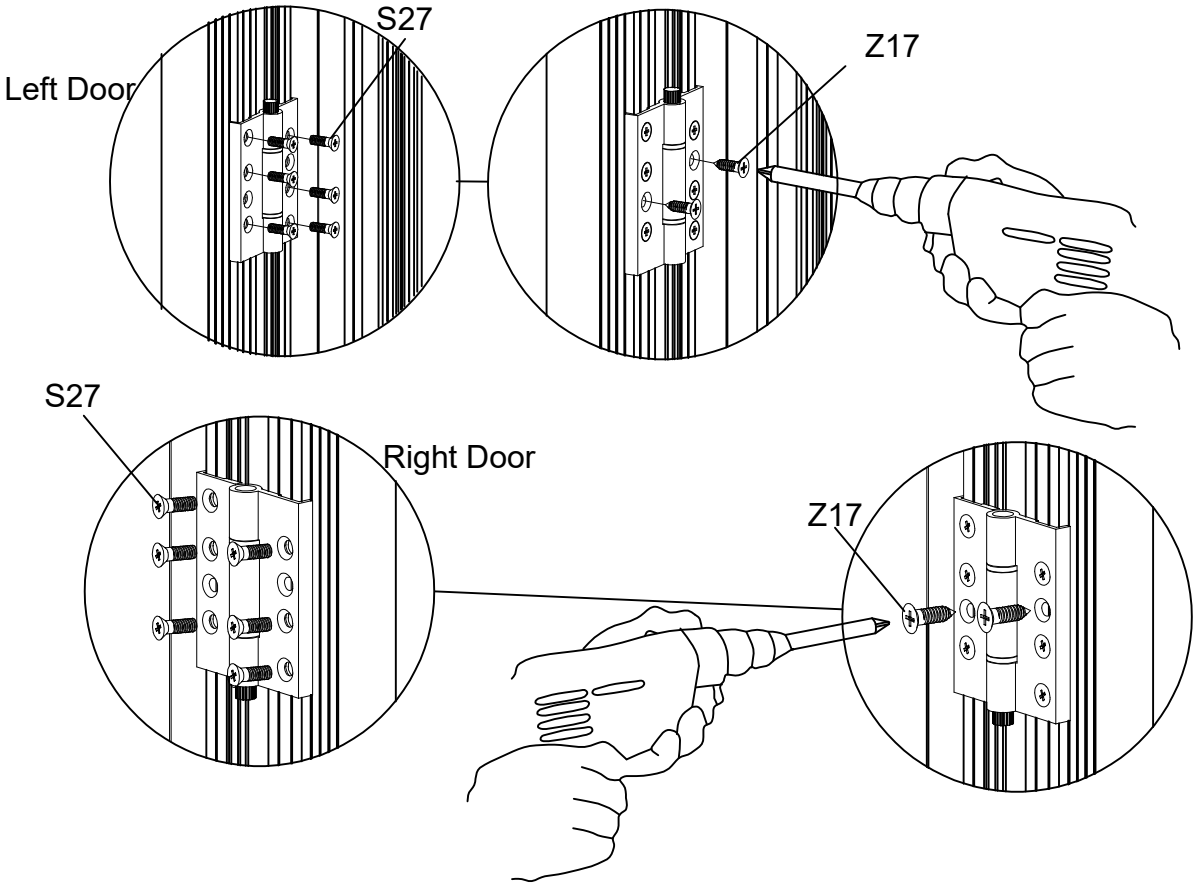
Slide 1*S01 into the bolt channel of both L09B
fix D25 to L09B using S01 & M07.

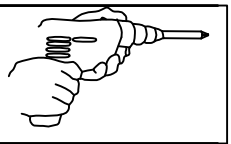


Door Assembly

PART	NO	QTY
	D00R-L	1
	D00R-R	1
	A51	4
	Z17 M4.8X16	8
	S27 M5X12	24





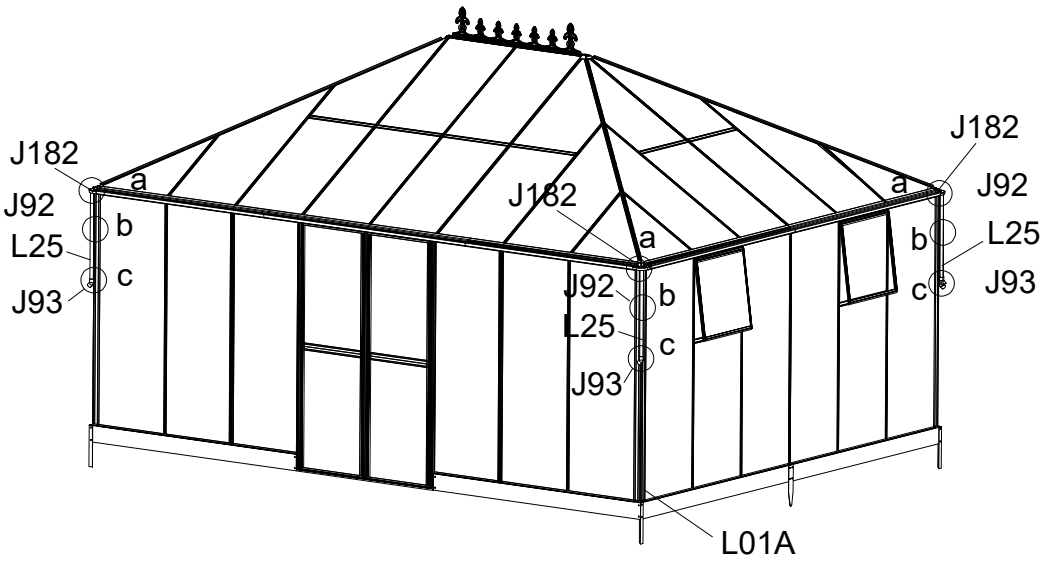


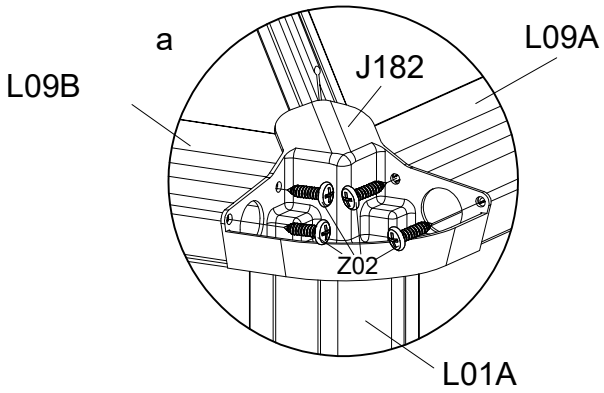


Fix A51(4 PCS) one side on the door profile and the other side to L26A/L26B using S27. Then secure with Z17.

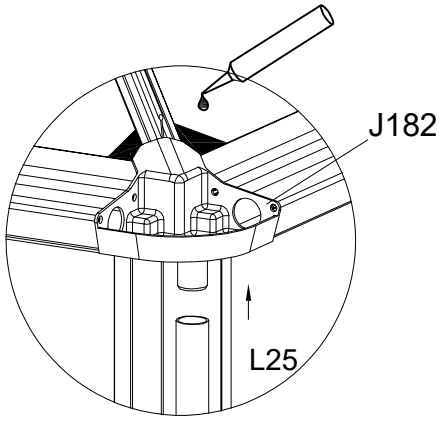
Accessories Assembly

PART	NO	QTY
	L25	4
	J92	4
	J93	4
	J182	4
	Z08 M4.2X16	4
	Z02 Ø4X16D	16

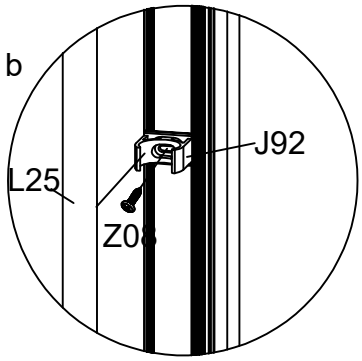




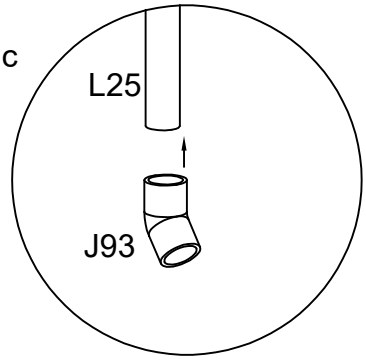
Put J182 on L01A and fix it on L09A&L09B with Z02.



After fixing J182, use glass glue to fill the gap between the board and J182.



Drill a hole in L01A approximately 3mm diameter and 400mm down from the gutter. Fix the J92 downpipe bracket with Z08 screws and then clipthe L25 downpipe into the J92 bracket.



If you wish to eliminate leaks, use glue when fixing the downpipe bends (not provided).

