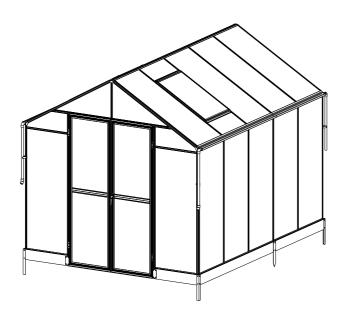
Assembly Instructions

MODEL:AM945

PRODUCT SIZE(LxWxH): 8X10

PLEASE READ CAREFULLY BEFORE ASSEMBLY



Greenhouse 8x10 FT Assembly Instruction SKU:

1007040028B(BOX 1)

1007040029B(BOX 2)

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

CONTENTS

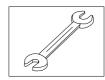
1. Assembly Advice	Page 1
2. Product Features	Page 2
3. Parts List	Page 3 -5
4. Door Assembly	Page 6 - 10
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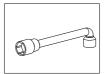
Assembly and Maintenance Advice

- 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.

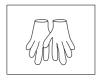
Tools Provided:







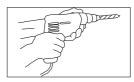
Tools Required when Assembly (Not Provided)

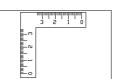












Assembly at least by two Persons



Important:

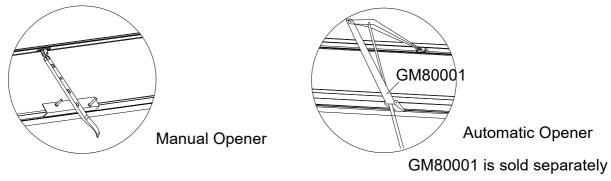
Rubber is not provided if you choose polycarbonate sheet as glazing panel.

Functions and Features:

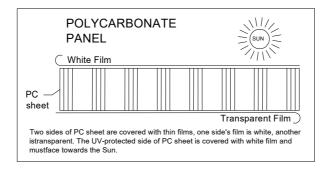
1. The strong two part eaves beam includes an integral gutter. Downpipes are also included

as standard so you can collect rainwater.

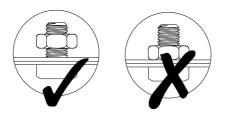
2. Manual window handles are included as standard with the roof vents. If required, automatic roof vent openers are available as an inexpensive optional extra.



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		L01A	1
'	1447mm	L01B	1
2		L01E	1
2	1447mm	L01F	1
		L01C	2
3	1247mm	L01D	2
4	1447mm	L02A	6
5	1247mm	L02B	6
6	420mm	L02C	2
	540mm	L04A	2
7		L03A	2
'	A:1447 B:1247	L03B	2
8	292mm	L05B	3
9		L06B	1
9	B:1121 C:1682	L06C	1
10		L07B	2
10	B:1121 C:1682	L07C	2
11		L08B	2
11	B:1121 C:1682	L08C	2
12		L08E	1
_	550mm	L08F	1
13		L09B	2
	B:1122 C:1683	L09C	2
		L10A	2
14		L10B	1
	A:560 B:1122 C:1143	L10C	1
15		L23B	6
	B:1102 C:1663	L23C	4
16	6	L23G	2
. •	G:541 E:600	L23E	3

	PART	NO	QTY
17	650mm	L25	4
18		L26A	1
10	A:1776 H:1610	L26H	1
19		L26B	1
19	B:1776 G:1610	L26G	1
20	1656mm	L26C	2
21	1656mm	L26D	1
22	540mm	L02D	6

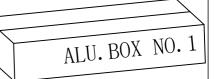
PART	NO	QTY
8	A2	2
•	B2	4
A2:579 B2:1150 C2:1712	C2	2
	D306	4
	D307	3
0 0	D317	2

door

	PART	NO	QTY
23	1760mm	L16A	2
24	464mm	L17	2
25		L18A	2
	546mm	L18B	2
26		L18C	1
27	1792mm	L18D	1

windowsX2

	PART	NO.	QTY.
28		L11A	2
20	554mm	L12A	2
	748mm	L19	4
29	554mm	L20	2
	554mm	L21	2

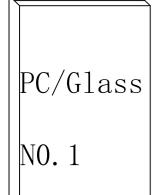


3

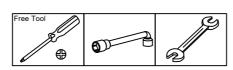
PART	NO	QTY
245X558mm	Y1	2
1425X558mm	Y2	6
448X776mm	Y3	2
245X558mm	Y4	2
1468X558mm	Y6	10
1271X558mm	Y7	8
448X776mm	Y8	2
243X558mm	Y9	6
726X552mm	Y10	2
841X484mm	Y11	4
04 1/404111111		l

PART	МО	QTY
	J55	2
20	J56R	2
5	J56L	2
	J94	4
	J93	4
	J165	4
	J166	4
\	A01	2
	A01	2
\$ 000 B		
	A03	2
	A03	2
	A03 A51 D17	2 4 5
	A03 A51 D17	2 4 5 2

PART	NO	QTY
	S01 M6X12	259
	M01 M6	259
	Z02 Ø4X16D	32
	Z04 Ø4X8	4
	Z08 M4.2X16	75
4	Z17 M4.8X16	8
	D114	16
	S69 M6X60	16



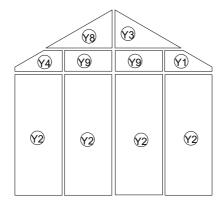
Tools Provided:



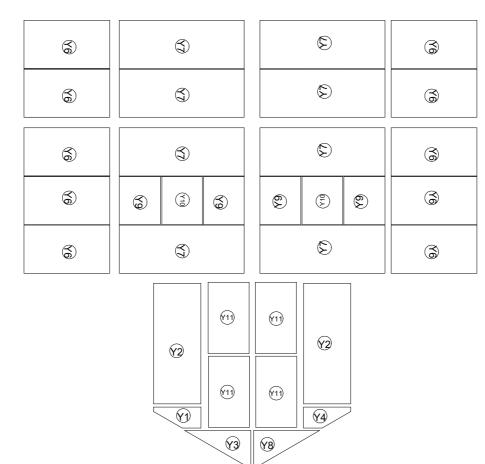
PART	NO	QTY
	Y1	2
	Y2	6
	Y3	2
	Y4	2
	Y6	10
	Y7	8
	Y8	2
	Y9	6
	Y10	2
	Y11	4

Panel Exploded View

Back Wall



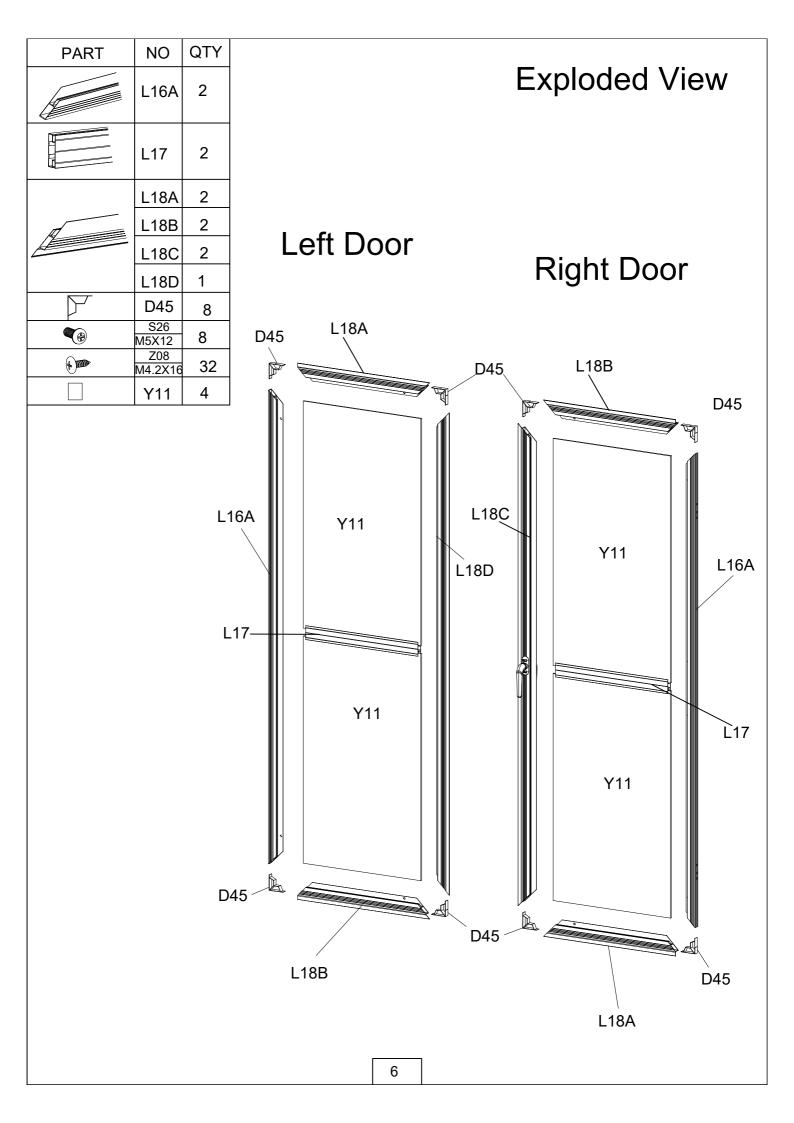
Side Wall

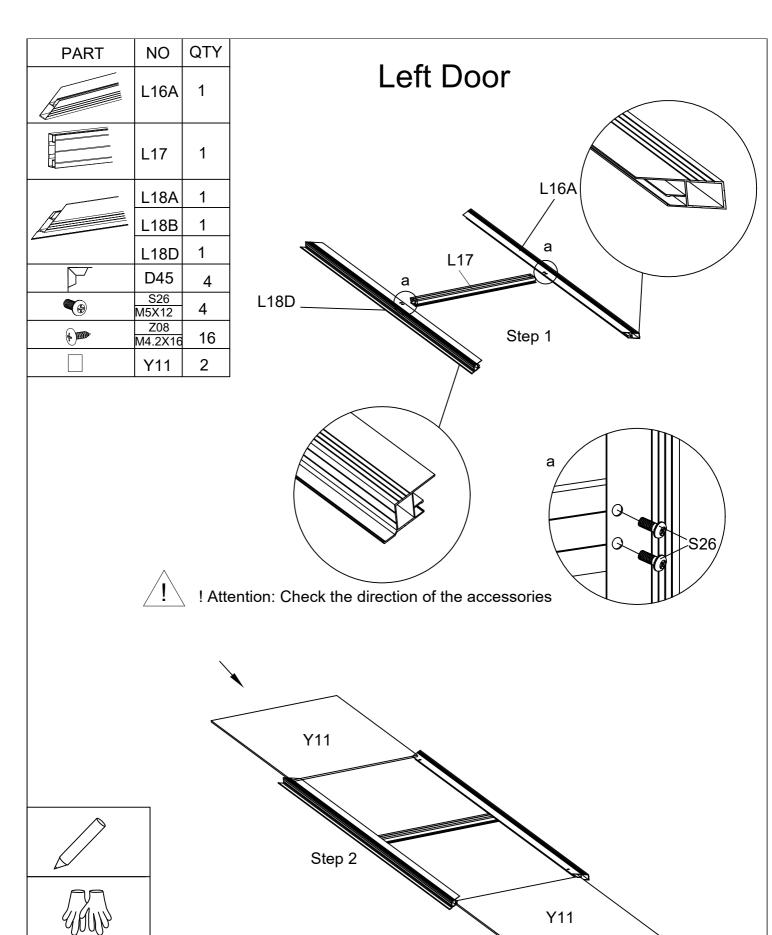


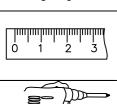
Wall

Side

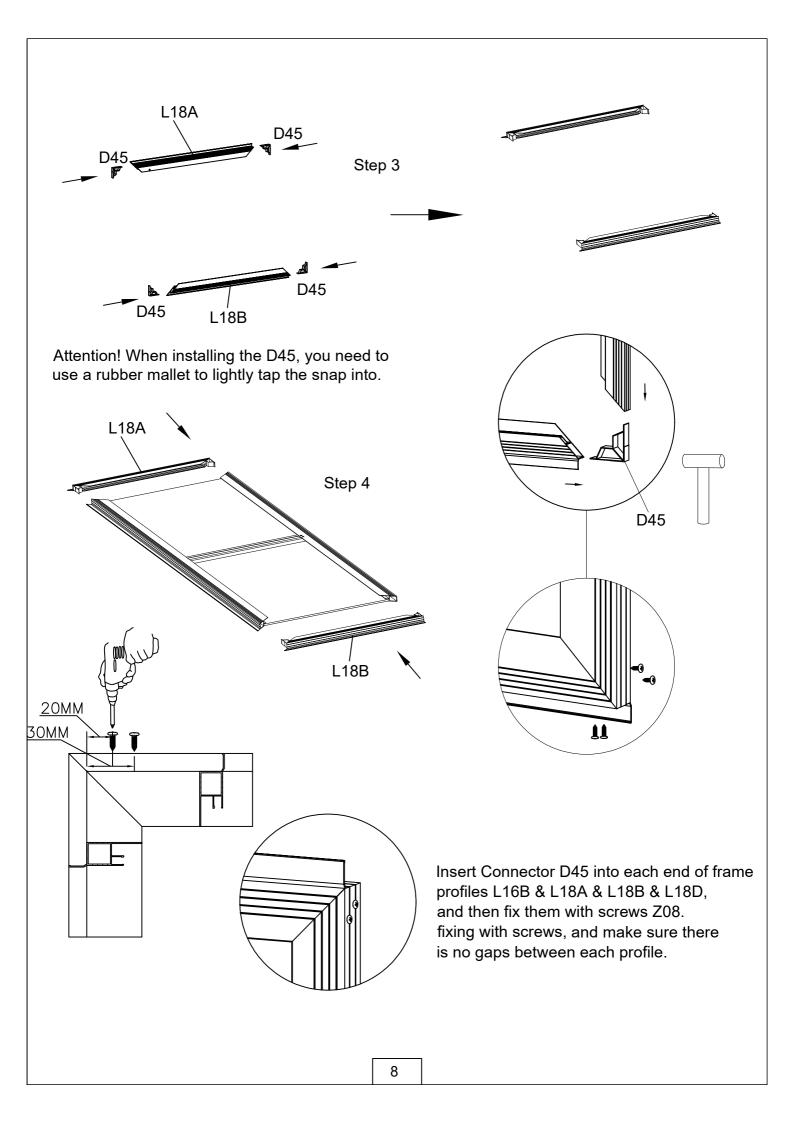
Front Wall

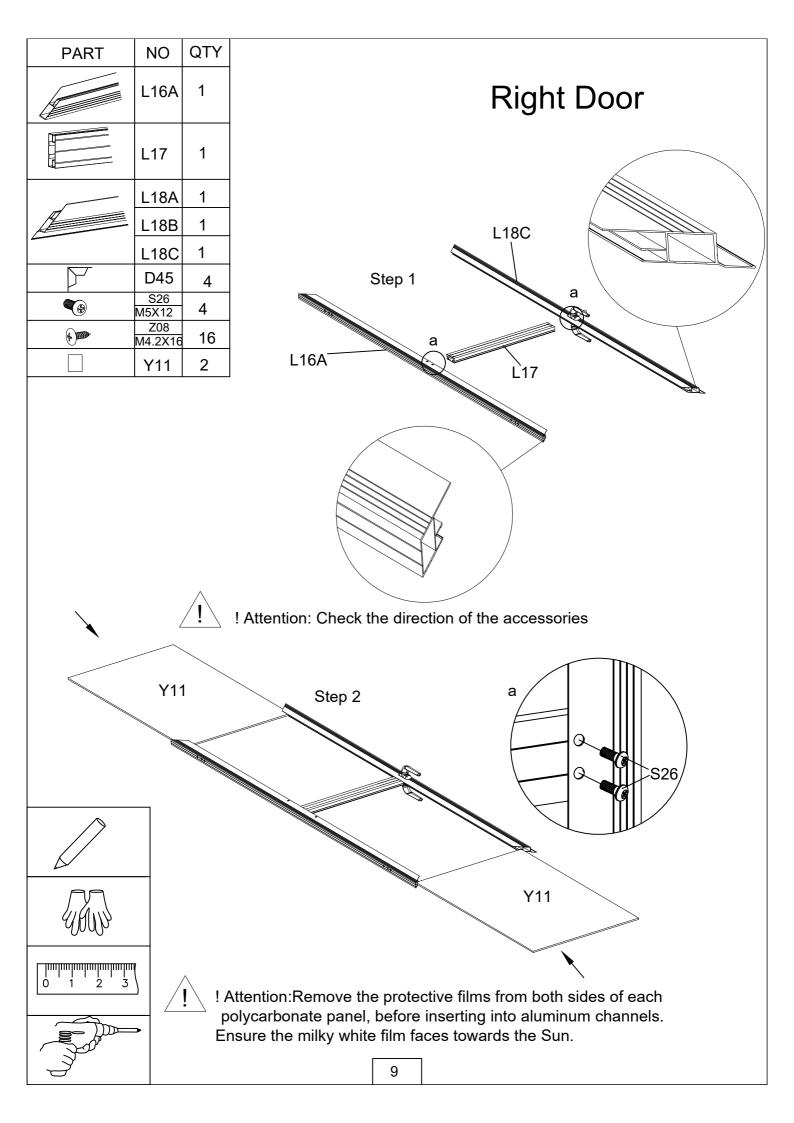


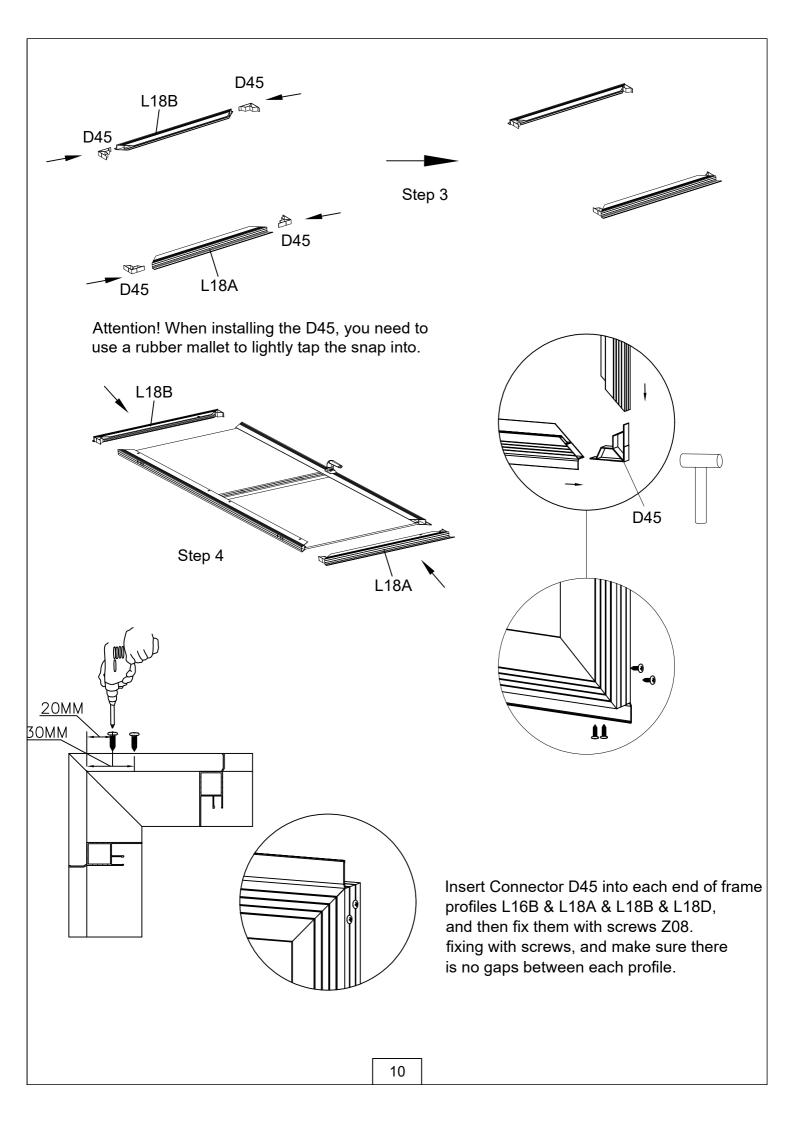




! Attention:Remove the protective films from both sides of each polycarbonate panel, before inserting into aluminum channels. Ensure the milky white film faces towards the Sun.



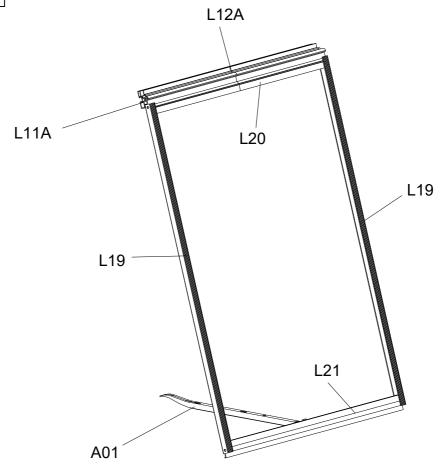




PART	NO.	QTY
	L11A	2
	L12A	2
	L19	4
	L20	2
	L21	2
	Y10	2
1	A01	2
	Z02 Ø4X16D	12
4	Z04 Ø4X8	4
4	Z08 M4.2X16	4

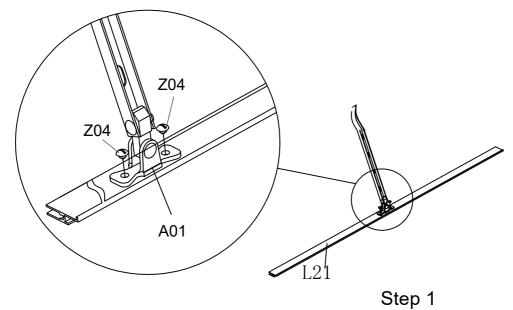
Exploded View

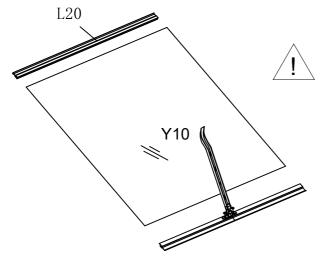
Window X 2



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

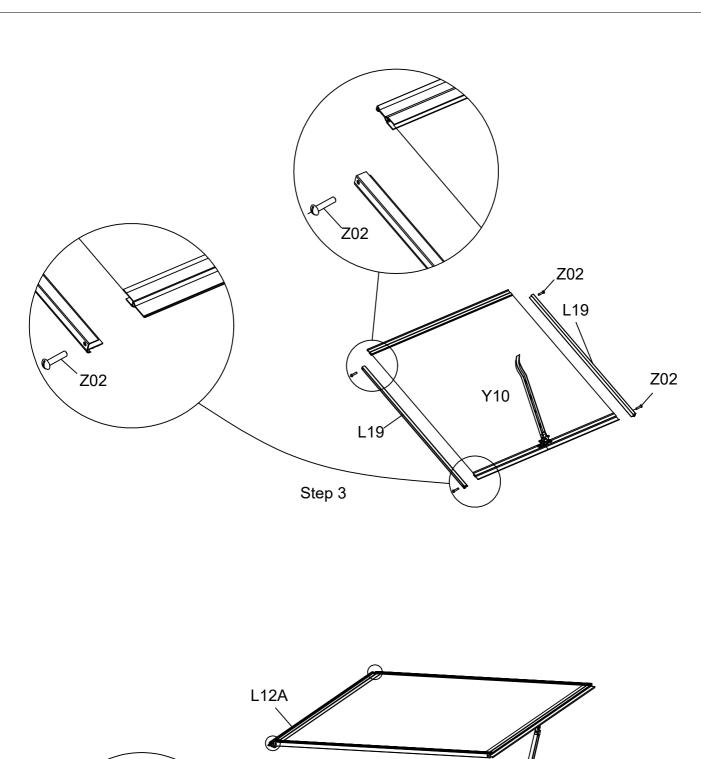
Part	NO.	QTY.
	Y10	1
1	A01	1
+	Z02 Ø4X16D	6
4	Z04 Ø4X8	2

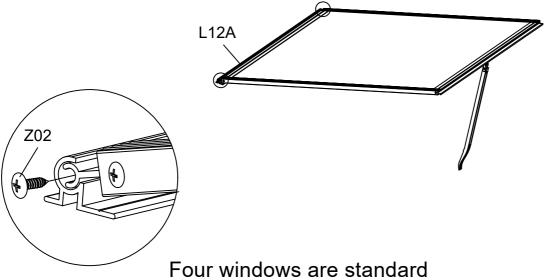




Step 2

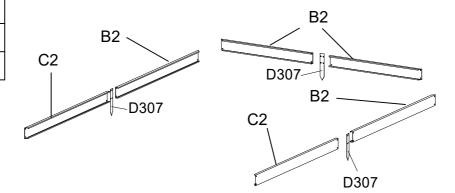
! Attention:Remove the protective films from both sides of each polycarbonate panel, before inserting into aluminum channels. Ensure the milky white film faces towards the Sun.

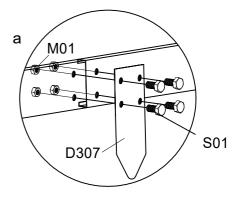


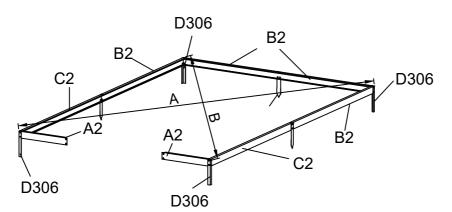


PART	NO	QTY
	B2	4
	A2	2
	C2	2
-	D306	4
<u> </u>	D307	3
	S01 M6X12	28
	M01 M6	28

Base Assembly

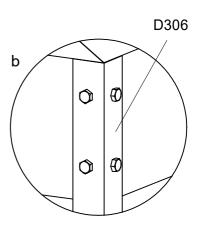






Attention! D306 and D307 must be inserted into the soil or installed in reverse!

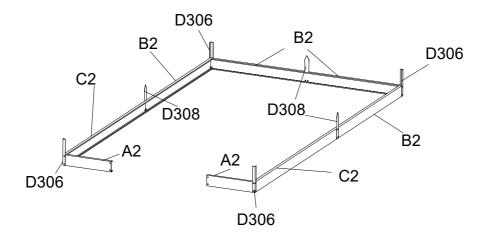
Fix the base before assembly the greenhouse. This is the way to fix the base.



Base Assembly

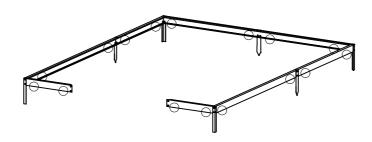


! Attention:Turn over the steel plinths D306 & D308 to complete the base installation as shown below, when the greenhouse is NOT inserted and secured into the soft soil.

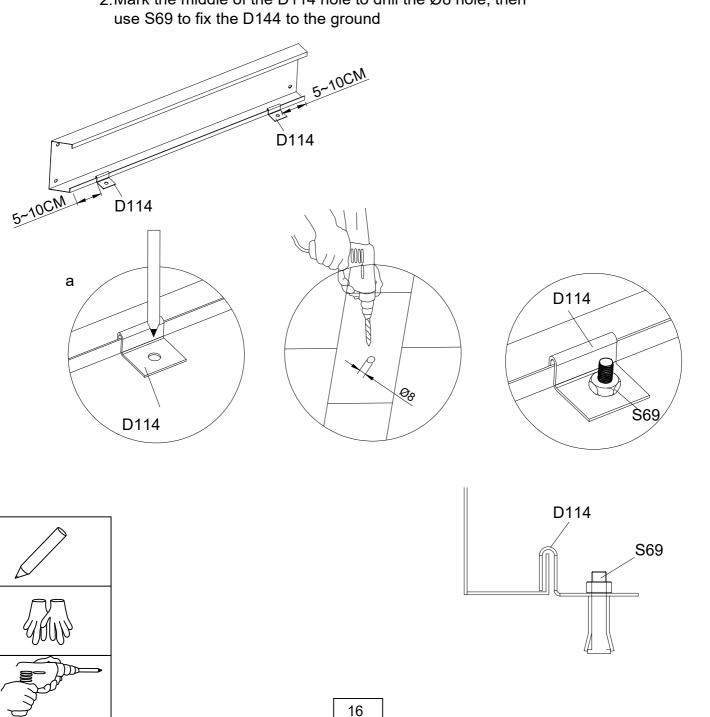


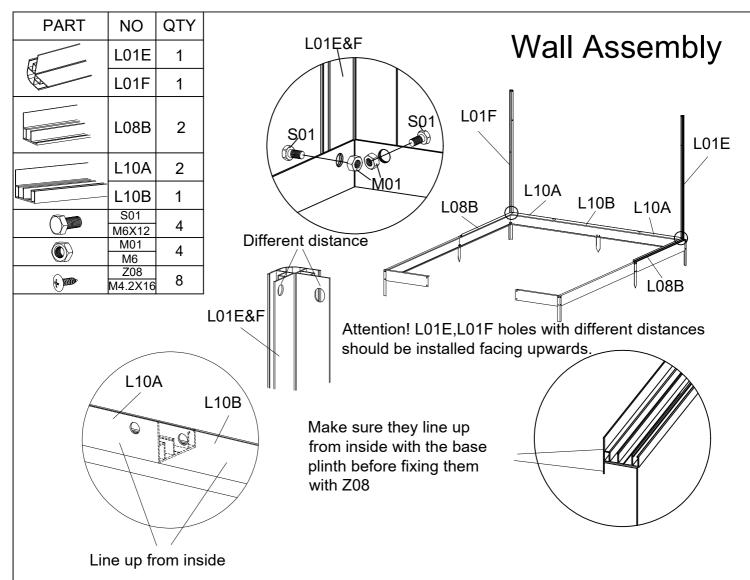
PART	NO	QTY
	D114	16
	S69 M6X60	16

Base Assembly



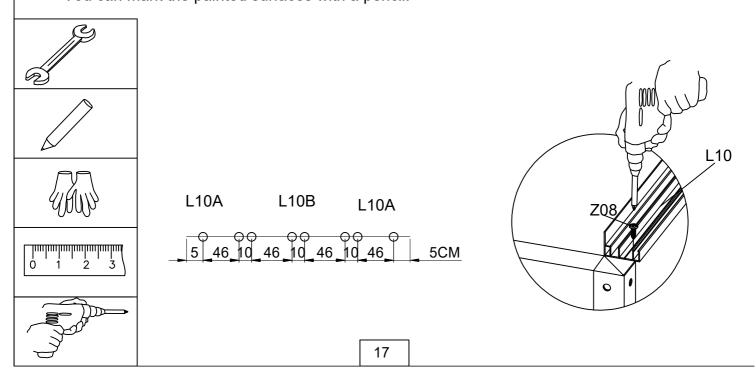
- 1. Fix the base anchor clip D114 onto each base section with a distance of 5~10CM from each end.
- 2. Mark the middle of the D114 hole to drill the Ø8 hole, then



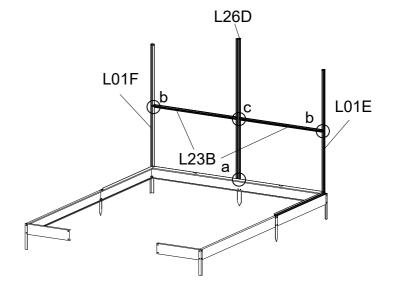


1. Place L10A, L10B, L01E, L01F & L08B on the base plinth (B2 & C2), then fix them together using S01 & M01 as shown. Make sure they line up from inside of the base plinth.

2. Use a powered screwdriver to fix the self-tapping screws (Z08) through the cills (L10A, L10B & L08B) and base plinth (B2,C2 and A2). The screws should be evenly spaced to ensure a neat appearance. The recommended spacing of the screws is 460mm. You can mark the painted surfaces with a pencil.



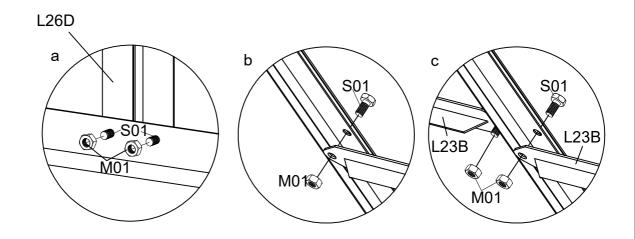
PART	NO	QTY
	L23B	2
	L26D	1
	S01 M6X12	6
	M01 M6	6

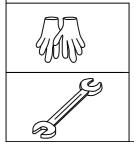




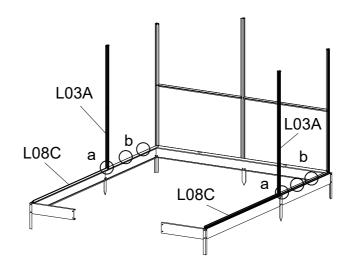
Attention! Put the side with 2 holes of L23B facing upwards.

Fix L26D onto L10B, using S01 & M01. Fix L23B * 2PCS to L01E, L01F & L26D,using S01 & M01



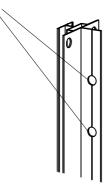


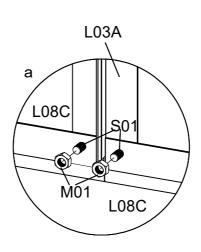
PART	NO	QTY
	L03A	2
	L08C	2
	S01 M6X12	4
O	M01 M6	4
(+)	Z08 M4.2X16	8

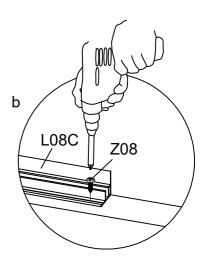


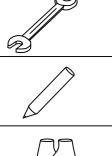
- 1. Place L08C on the base plinth and fix L03A onto L08C, using S01 & M01.
- 2. Use a powered screwdriver to fix the self-tapping screws (Z08) through the cills (L08C) and base plinth (C2). The screws should be evenly spaced to ensure a neat appearance. The recommended spacing of the screws is 460mm. You can mark the painted surfaces with a pencil.

Attention! : Install the L03A with the side with the hole facing up!

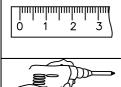




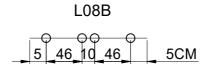




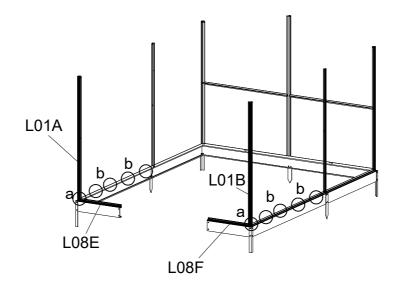




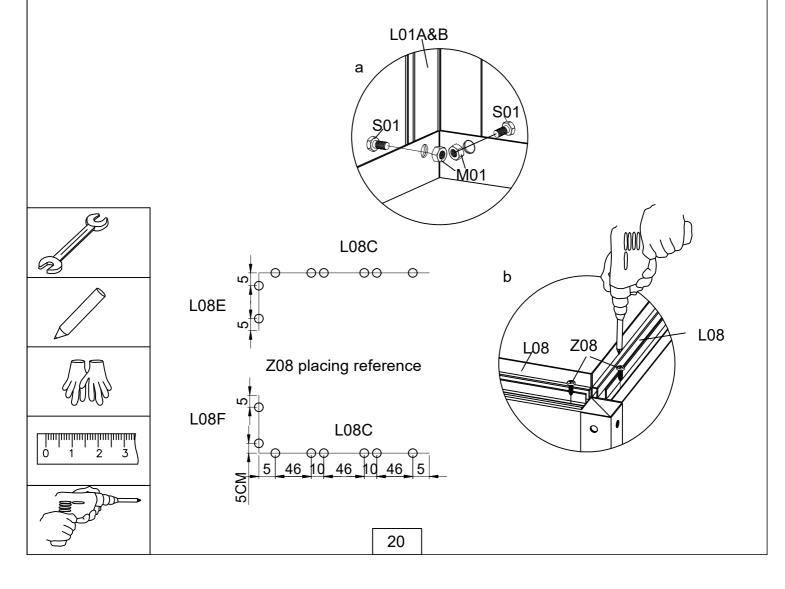
Z08 distances reference



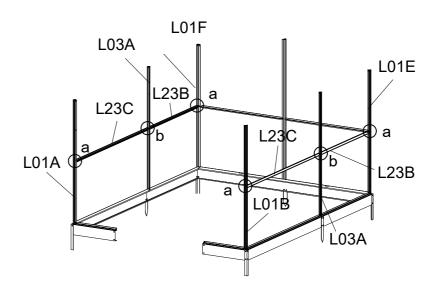
PART	NO	QTY
	L01A	1
	L01B	1
	L08E	1
	L08F	1
	S01 M6X12	4
	M01 M6	4
	Z08 M4.2X16	16



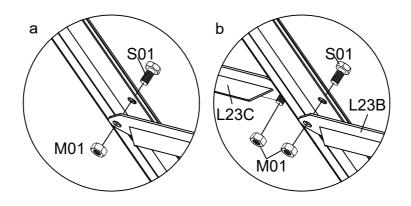
- 1. Place L08E & L08F on the base plinth and fix L01A & L01B onto L08C & L08E/L08F, using S01 & M01.
- 2. Use a powered screwdriver to fix the self-tapping screws (Z08) through the cills (L08C,L08E & L08F) and base plinth (A2 & C2). The screws should be evenly spaced to ensure a neat appearance. The recommended spacing of the screws is 460mm. You can mark the painted surfaces with a pencil.

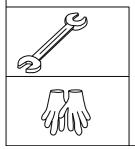


PART	NO	QTY
6	L23B	2
6	L23C	2
	S01 M6X12	8
	M01 M6	8

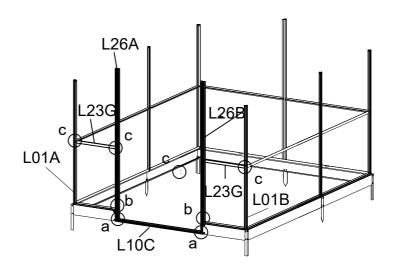


Fix L23B & L23C onto L01A, L01B, L03A, L01E & L01F, using S01 & M01

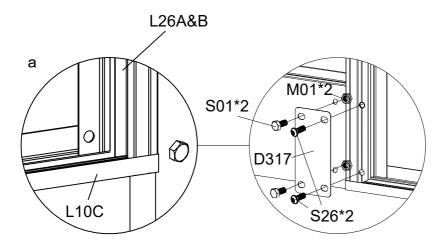


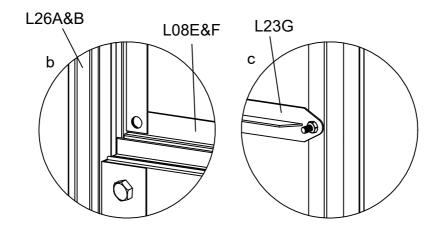


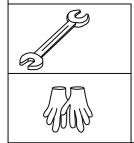
PART	NO	QTY
	L10C	1
	L23G	2
	L26A	1
	L26B	1
0 0	D317	2
	S01 M6X12	12
(M01 M6	12
	S26 M6X12	4



Fix L26A onto L08E, L26B onto L08F using S01 & M01



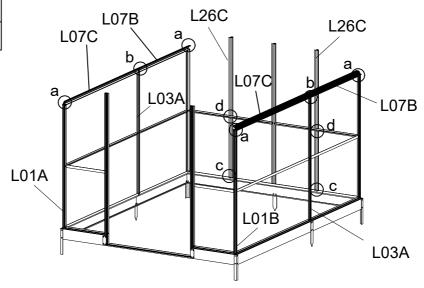


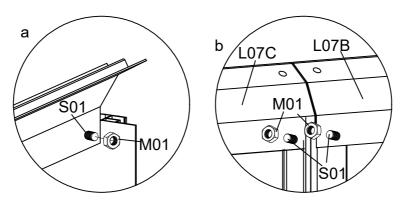


Fix 23G * 2PCS onto L01A & L26A /L01B & L26B, using S01 & M01.

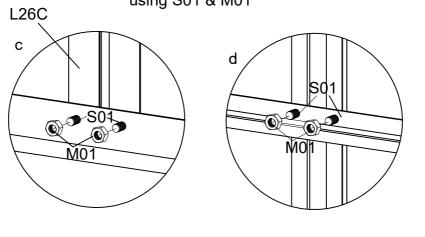
PART	NO	QTY
	L07B	2
	L07C	2
	L26C	2
	S01 M6X12	16
(i)	M01 M6	16

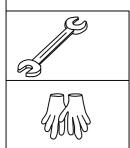
Fix L07B & L07C onto L01A, L03A & L01F and L01B, L03A & L01E, using S01 & M01



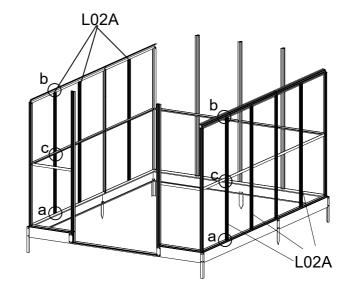


Fix L26C * 2PCS onto L10A, L10B & L23B using S01 & M01

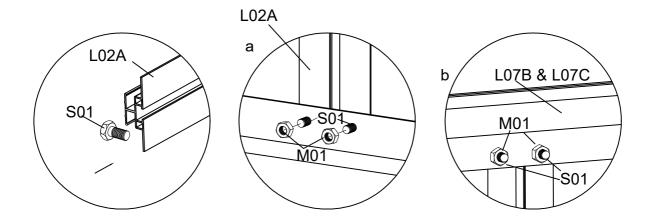




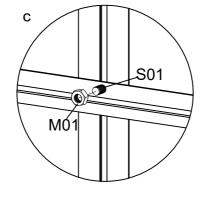
PART NO QTY L02A 6 S01 M6X12 30 M01 M6 30

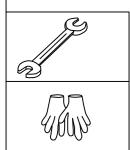


Fix L02A (8pcs) to L08C and L07C using S01 & M01.



Slide a bolts (S01) into each L02A bolt channel. One is to fix L23C





PART	NO	QTY
	L02D	6
	Y2	6
	S01 M6X12	22
	M01 M6	22

L26D

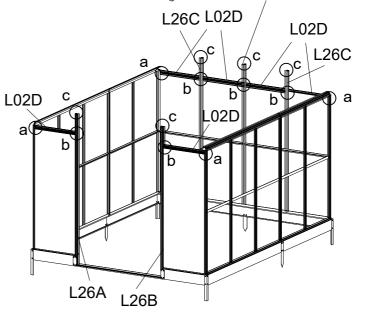
Y2 Y2 Y2 Y2 Y2

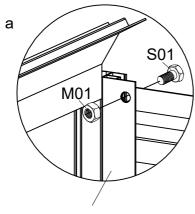
Put the panels into positions

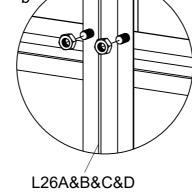


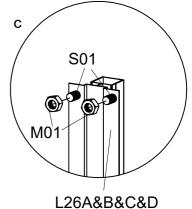
! Attention:Remove the protective films from both sides of each polycarbonate panel, before inserting into aluminum channels. Ensure the milky white film faces towards the Sun.

Fix L02D * 6PCS as shown, using S01 & M01











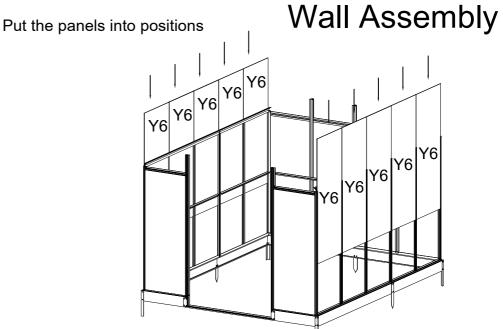


!Attention:

Please pre-load S01 & M01 on L26A, L26B, L26C and L26D before putting panels Y1, Y4 & Y9 into position.



PART	NO	QTY
	L26G	1
	L26H	1
	Y1	2
	Y4	2
	Y6	10
	Y9	2
	S01 M6X12	8
O	M01 M6	8

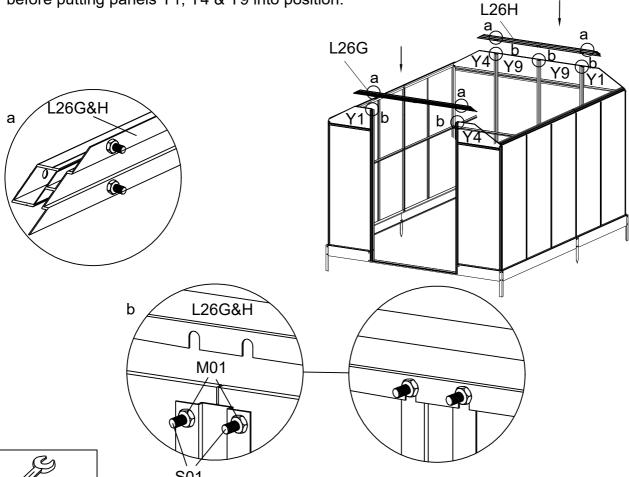


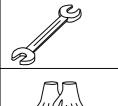
Put the panels Y1, Y4 and Y9 into positions.



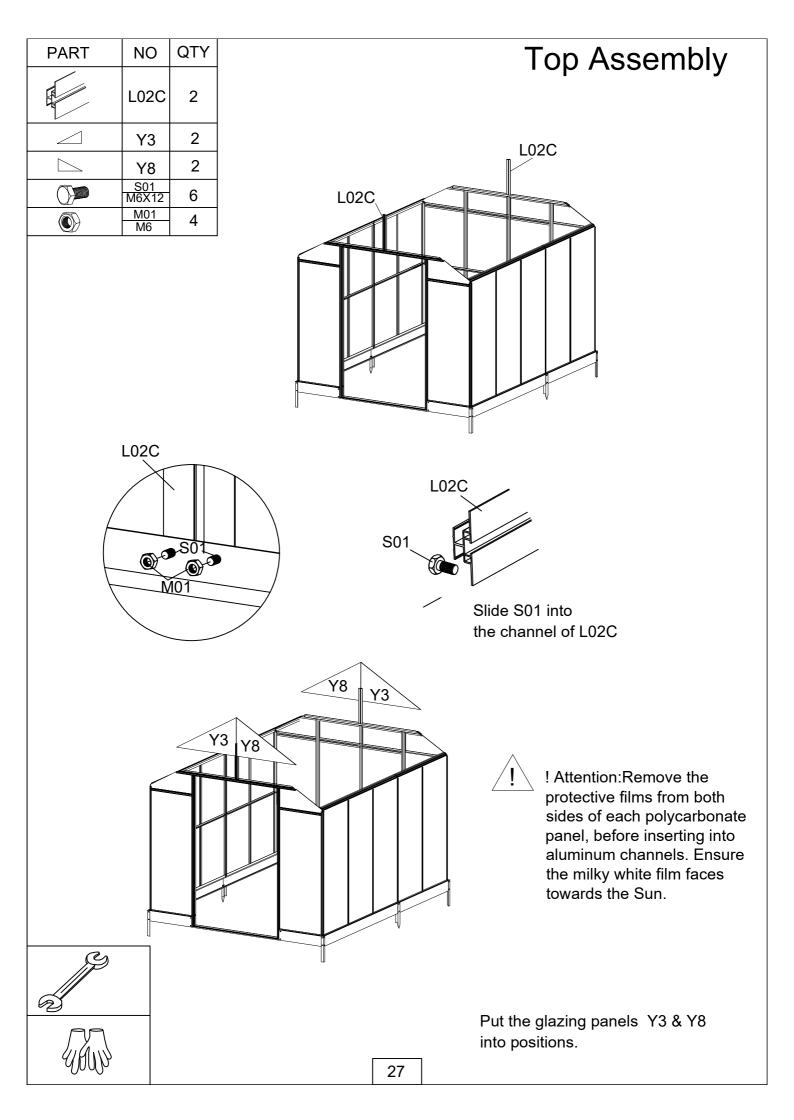
!Attention:

Please pre-load S01 & M01 on L26G & L26H before putting panels Y1, Y4 & Y9 into position.

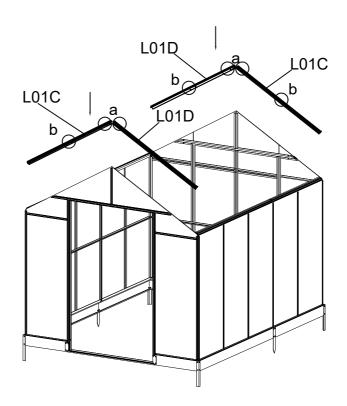


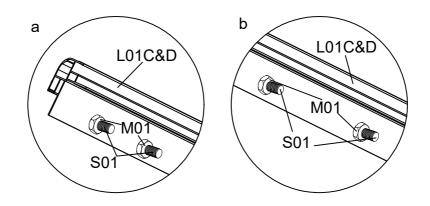


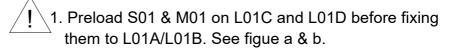
S01
Loose the nuts M01 on L26A, L26B, L26C & L26D
to allow L26G & L26H fitted in.
After the screws are inserted into the U-shaped opening, it is necessary to adjust the structure and lock it.

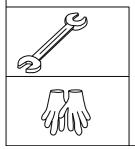


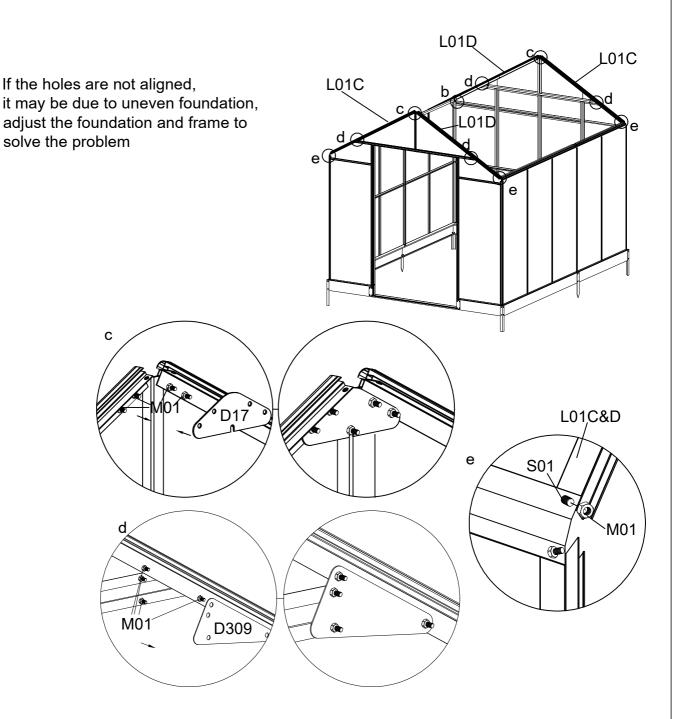
PART	NO	QTY
	L01C	2
	L01D	2
	D17	2
· .	D309	4
	S01 M6X12	20
	M01 M6	22





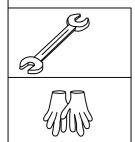




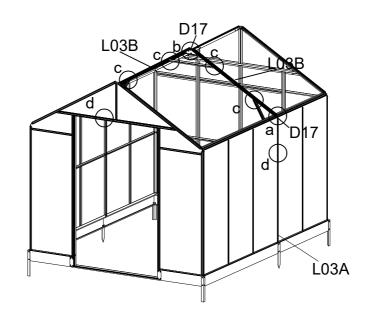




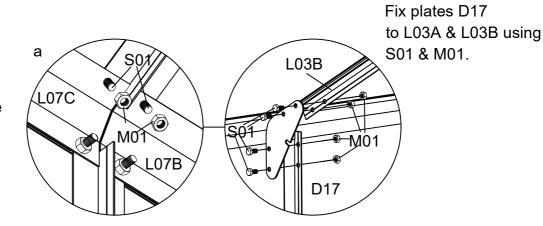
- 2. Bolt L01C and L01D with plate D17, using S01 & M01 preloaded. And then fix them to L02C, using S01 & M01.
- 3. Fix L01C & L01D to L26G & L26H with the plate D309, using the S01 and M01 preloaded above.
- 4. Fix L01C & L01D to L01A & L01B, using S01 & M01.

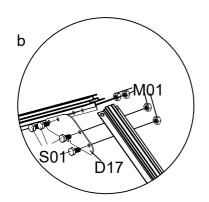


PART	NO	QTY
	L03B	2
	L23E	3
	D17	3
	S01 M6X12	22
	M01 M6	22

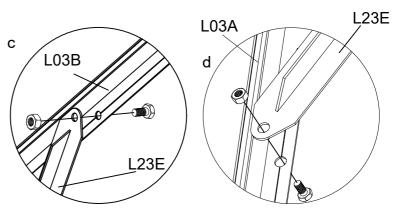


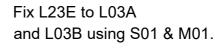
Fix glazing bars L03B to the eaves and the ridge profiles using S01 & M01

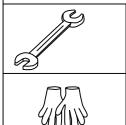




Fix plates D17 to the two L03B using S01 & M01.

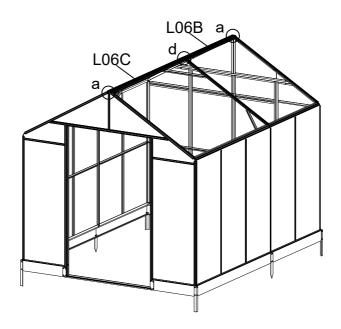




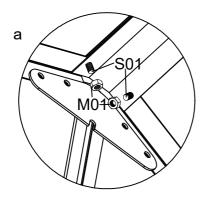


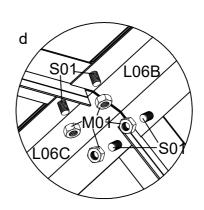
PART NO QTY L06B 1 L06C 1 S01 M6X12 8 M01 M6 8

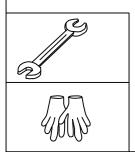
Top Assembly



Bolt the ridge L06B & L06C to L01C, L01D and L03B, using S01 & M01.

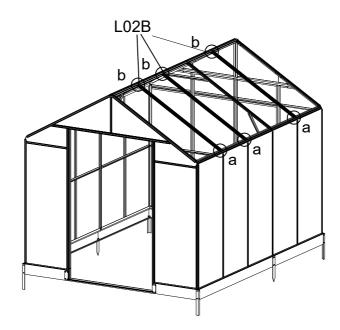


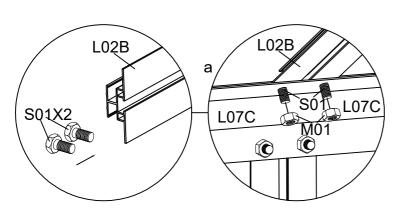


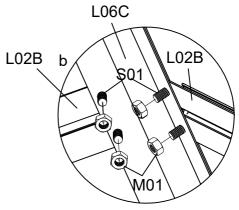


PART NO QTY L02B 6 S01 M6X12 M6 M01 M6 24

Top Assembly

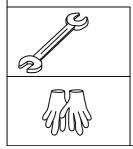




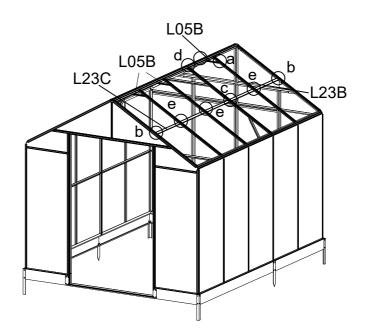


Slide 2 bolts (S01) into each L02B bolt channel to be used later.

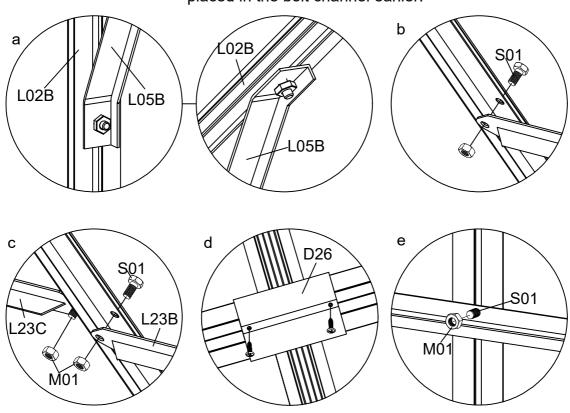
Fix glazing bars L02B (8pcs) to the eaves and the ridge profiles with S01 & M01



PART	NO	QTY
6	L23B	2
6	L23C	2
	L05B	3
	D26	1
	S01 M6X12	8
	M01 M6	24
4	Z08 M4.2X16	2



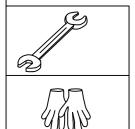
Bolt L05B (d pcs) to L02A & L02B using the S01 bolt placed in the bolt channel earlier.

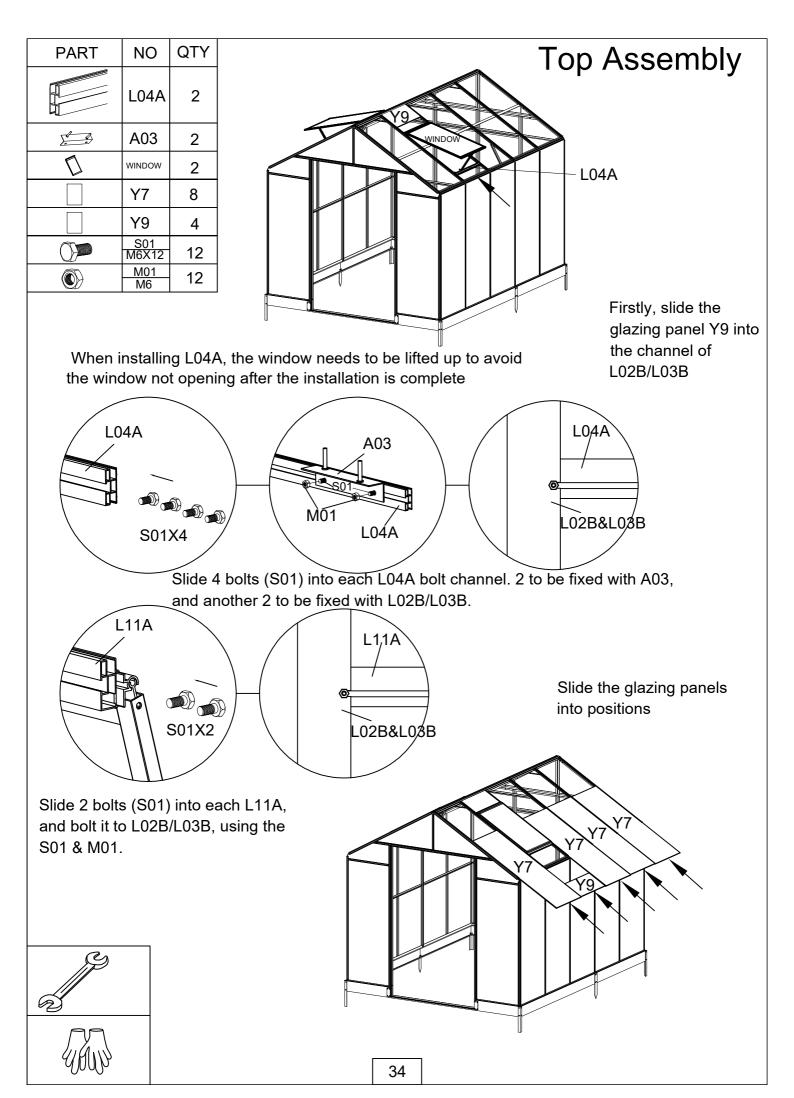


Bolt L23B & L23C to Fix D26 to L06C L01C/L01D & L03B from outside with with S01 & M01. self-tapping screen

Fix D26 to L06C from outside with self-tapping screws Z08, using a powered screwdriver.

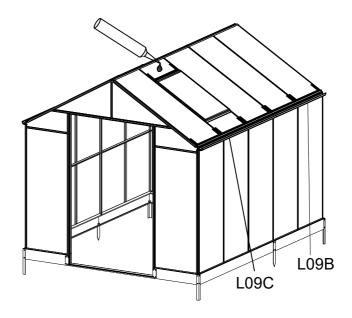
Bolt L23B & L23C to L02B using the S01 bolt placed in the bolt channel earlier.

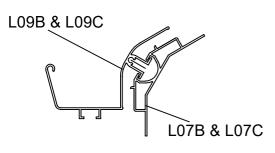




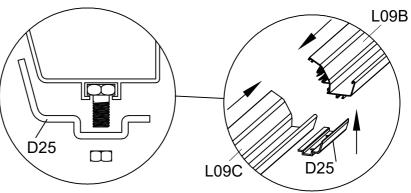
PART	NO	QTY
	L09B	2
	L09C	2
AS)	D25	2
	S01 M6X12	4
	M01 M6	4

After the panels and windows are in position, put some silicone sealant around to avoid leaking water.

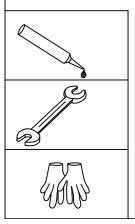




When the panels are completely inserted, fix gutter profile L09B & L09C Tap it gently into position with a rubber mallet.

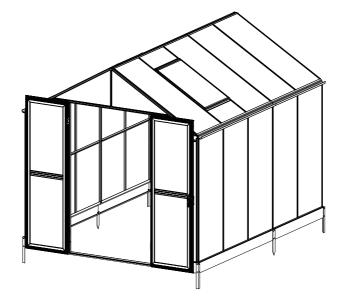


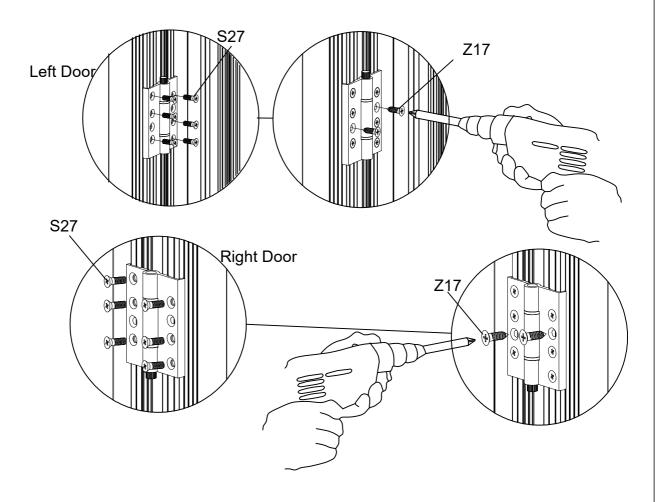
Slide 1*S01 into the bolt channel of both L09B & L09C, fix D25 to L09B & L09C using S01 & M01.

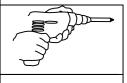


PART	NO	QTY
Ш	D00R-L	1
ш	D00R-R	1
(A51	4
*	Z17 M4.8X16	8
	S27 M5X12	24

Door Assembly





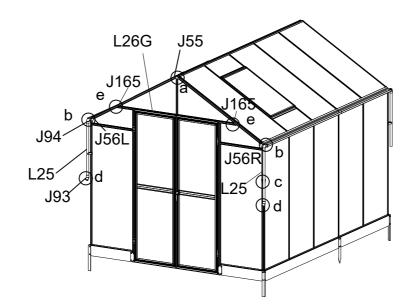


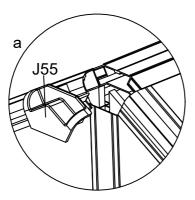


Fix A51(4 PCS) one side on the door profile and the other side to L26A/L26B using S27. Then secure with Z17.

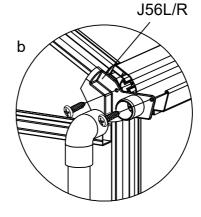
PART	NO	QTY
	J55	2
	J56R	2
5.7	J56L	2
a	J94	4
	L25	4
Œ)	J93	4
	J165	4
	J166	4
(+)	Z08 M4.2X16	4
4	Z02 Ø4X16D	8

Accessories Assembly

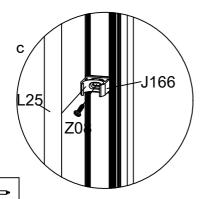




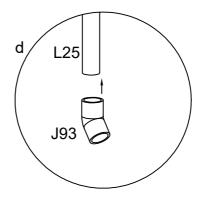
Fix the cover caps J55 into the ridge profile



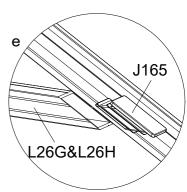
Fix the cover caps (J56L/R) carefully with Z02. Be careful to ensure that the screws are driven in straight and in the correct position (see detail drawings).



Drill a hole in L01A/L01B, approximately 3mm diameter and 400mm down from the gutter. Fix the J166 downpipe bracket with Z08 screws and then clipthe L25 downpipe into the J166 bracket.



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



Cover both ends of L26G with cap J165



