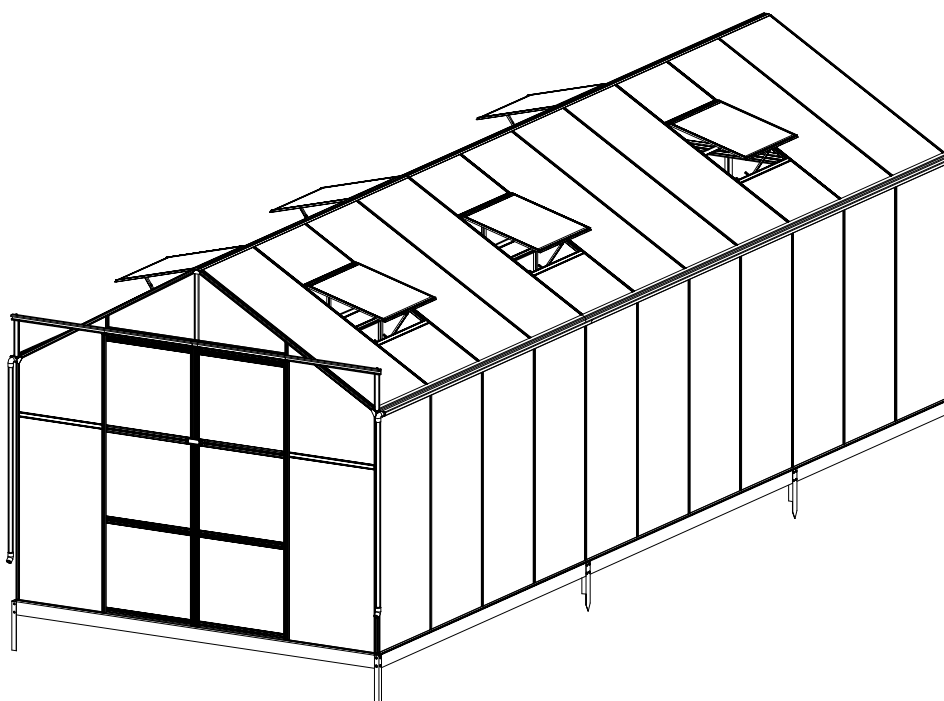


Assembly instruction



Model: 142-2-19 / 142-2-31

Please read carefully before assembly

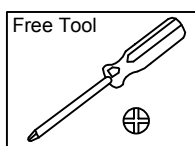
CONTENTS

1. Assembly Advice	Page 1
2. Product Features	Page 2
3. Parts List	Page 3
4. Door Assembly	Page 4 - 5
5. Roof Vent Assembly	Page 6 - 7
6. Base Assembly	Page 8
7. Framework & Glazing Assembly	Page 9 - 22

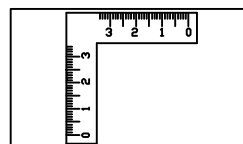
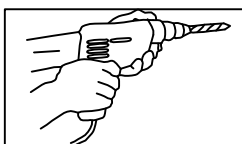
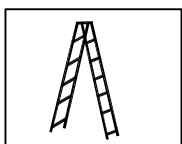
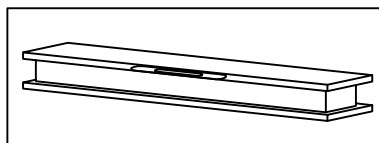
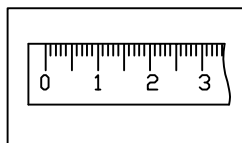
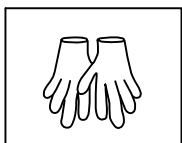
Assembly and Maintenance Advice

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

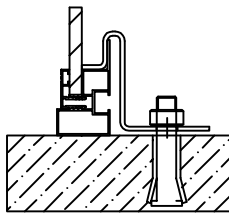


Important:

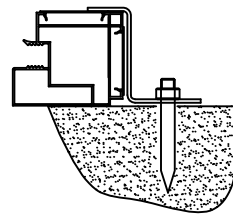
Rubber is not provided if you choose polycarbonate sheet as glazing panel.

Functions and Features:

1. Base anchor brackets are included as standard with expanding bolts to ensure a secure fixing into concrete or paving. Alternatively, you can use the brackets to fix into a timber base with wood screws (not provided).

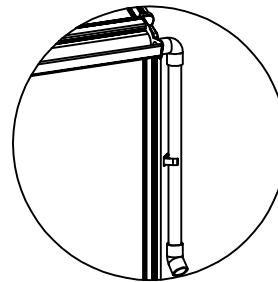


Expansion bolt
in concrete

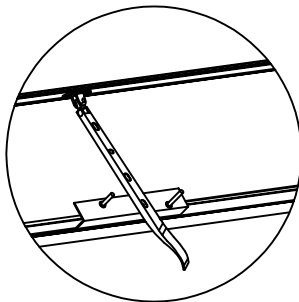


Steel bar/Lawn land

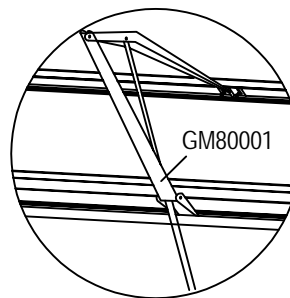
2. The strong two part eaves beam includes an integral gutter. Downpipes are also included as standard so you can collect rainwater.



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



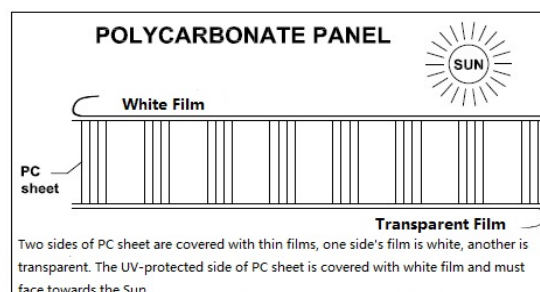
Manual Opener



Automatic Opener


















GM80001 is sold separately













4. 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.









5. 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.

PART	NO	QTY
	L01A	2
	L01B	2
	L01C	2
	L01D	2
	L02A	16
	L02B	16
	L02C	1
	L02D	1
	L02E	1
	L02F	1
	L02G	1
	L03A	4
	L03B	4
	L04A	12
	L04B	1
	L05A	4
	L05B	24
	L06C	1
	L06D	2
	L07C	2
	L07D	4
	L08C	2
	L08D	5
	L09C	2
	L09D	4
	L10	1
	L13A	1
	L14	1
	L23A	2
	L23C	4
	L23D	9
	L23E	12
	L23F	2
	L25	4

PART	NO	QTY
	J01	2
	J02R	2
	J02L	2
	J03R	1
	J03L	1
	J05	4
	J07	4
	J08	4
	W01	14
	W02	4
	W07	2
	W08	6
	W011	4
	S01 M6X12	424
	S02 M6X20	3
	M01 M6	427
	Z01 Ø4X25	32
	Z02 Ø4X16D	44
	Z03 Ø4X10	14
	Z04 M4.2X16	20







PART	NO	QTY
	Y1	2
	Y2	6
	Y3	1
	Y4	2
	Y5	1
	Y6	22
	Y7	16
	Y8	1
	Y9	12
	Y10	6
	Y11	6
	Y13	1

WindowsX6


Part	NO.	QTY.
	L11A	6
	L12A	6
	L19	12
	L20	6
	L21	6
	W06	6

6 windows are standard.
If your order contains more
please go to page 7.


Door

Part	NO.	QTY.
	L18A	3
	L18B	1
	L15	2
	L16A	1
	L16B	3
	L17	2











Rubber








PART	NO	QTY
	J11	201.5M

Rubber for walls & roof
(Provided for glass only)

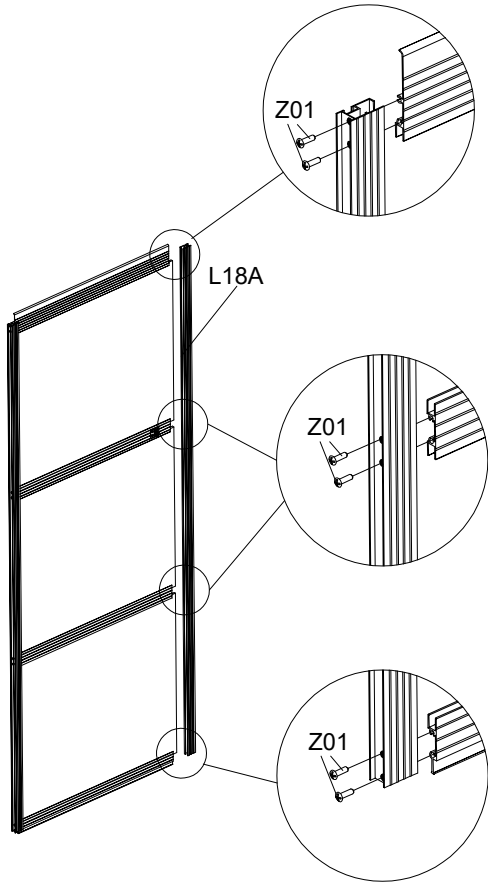
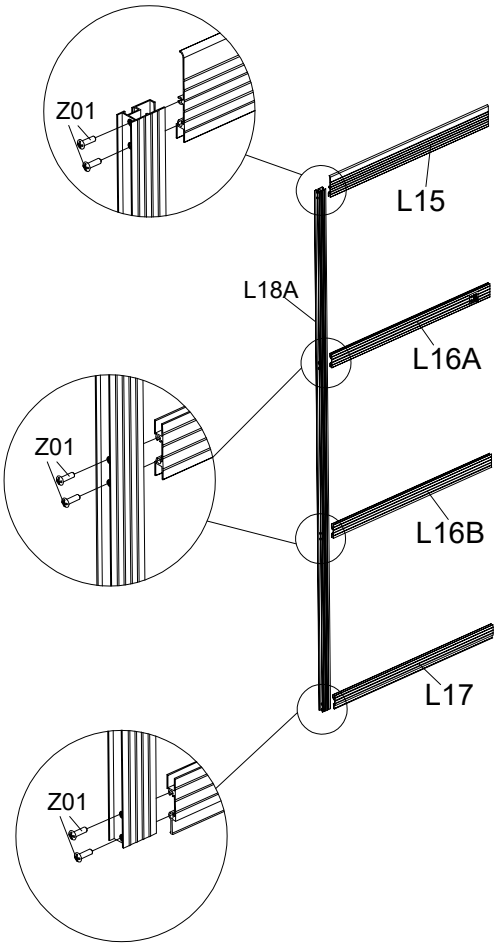
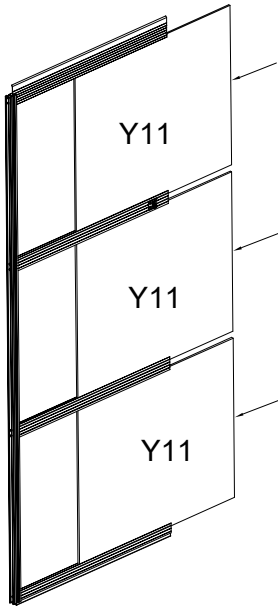
PART	NO	QTY
	J11	117.1M








Rubber for walls only
(Provided for glass only)

PART	NO	QTY
	C2	2
	D1	2
	D2	2
	D3	2
	GMDJ-101	4
	GMDJ-102	4
	GMDJ-103	4
	S01 M6X12	32
	M01 M6	32
	Z04 M4.2X16	56

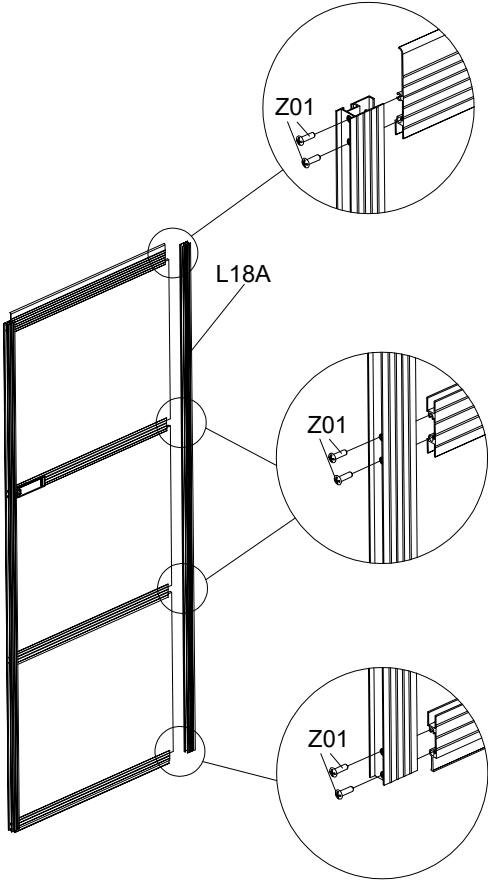
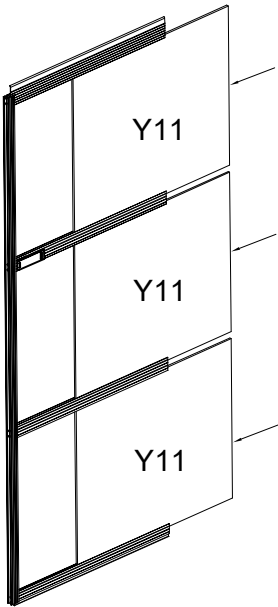
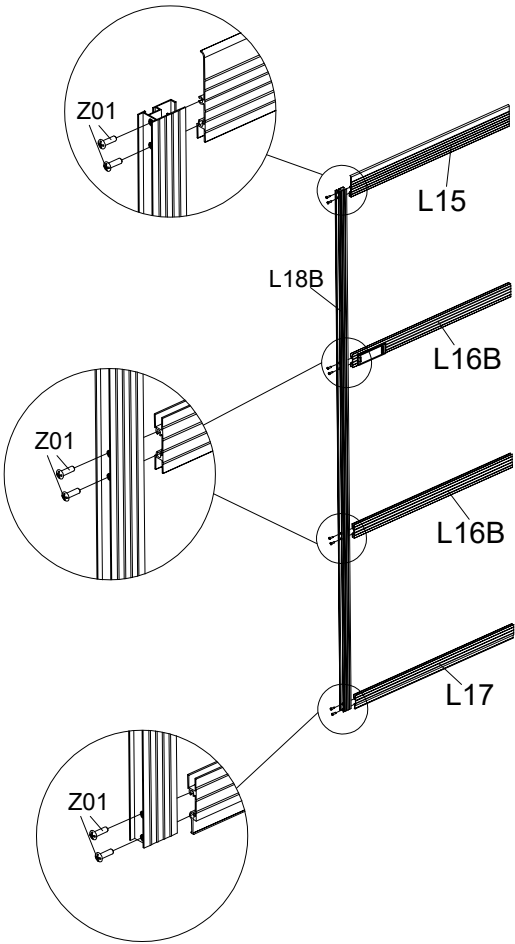
Part	NO.	QTY.	Part	NO.	QTY.
	L18A	2		Y11	3
	L15	1			
	L16A	1			
	L16B	1			
	L17	1			
	Z01 Ø4X25	16			











Left Door



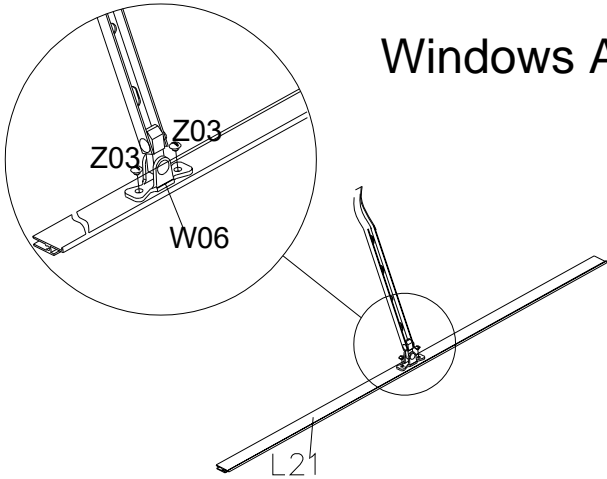
Part	NO.	QTY.	Part	NO.	QTY.
	L18A	1		Y11	3
	L18B	1			
	L15	1			
	L16B	2			
	L17	1			
	Z01 Ø4X25	16			

Right Door

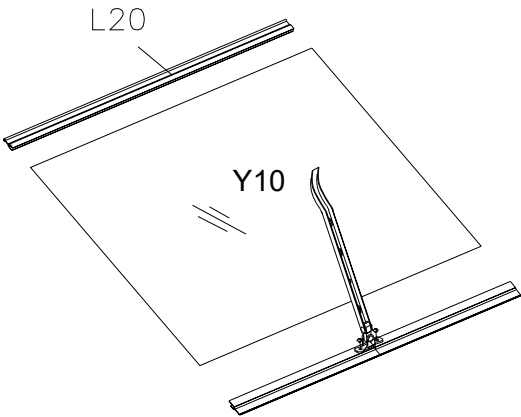


Part	NO.	QTY.	Part	NO.	QTY.
	L11A	1		Y10	1
	L12A	1			
	L19	2			
	L20	1			
	L21	1			
	W06	1			
	Z02 Ø4X16D	6			
	Z03 Ø4X10	2			
	Z04 M4.2X16	2			

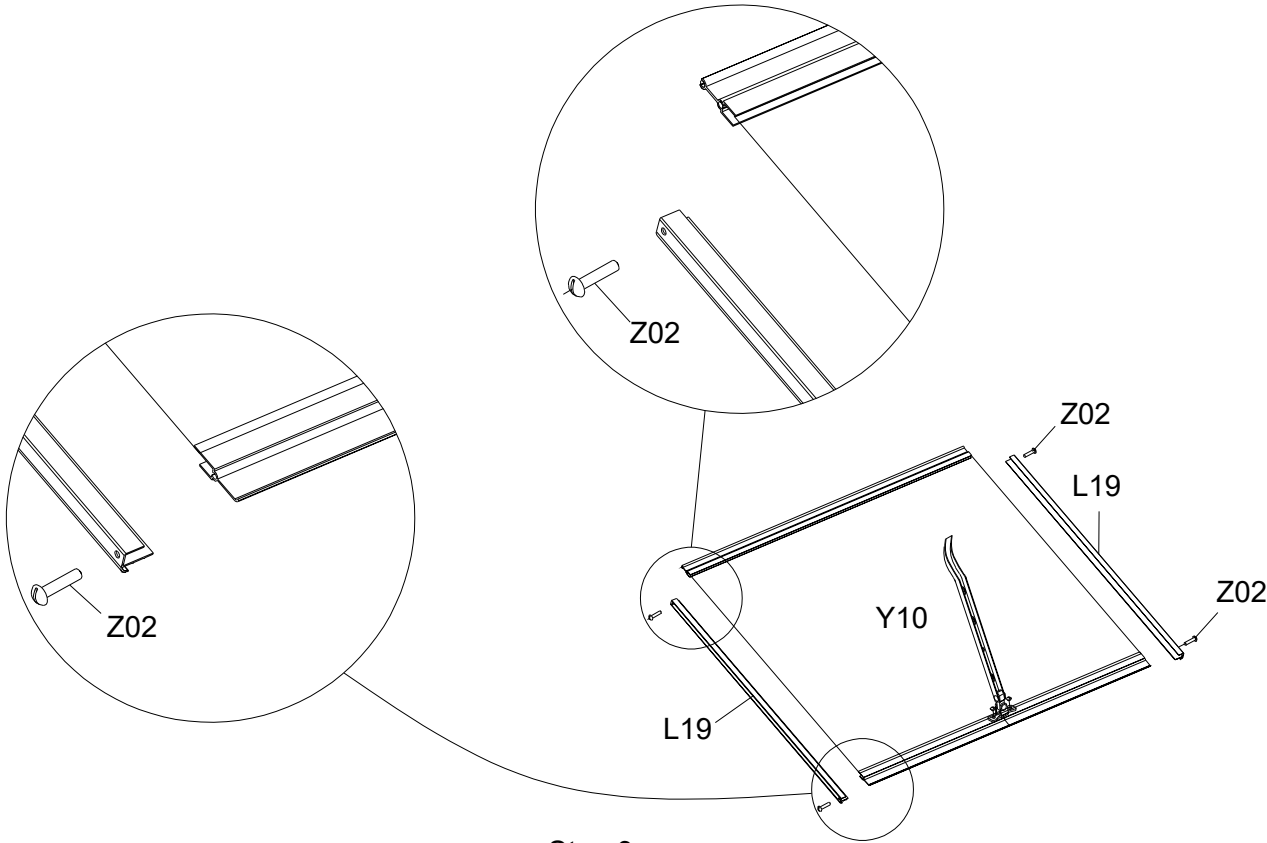
Windows Assembly



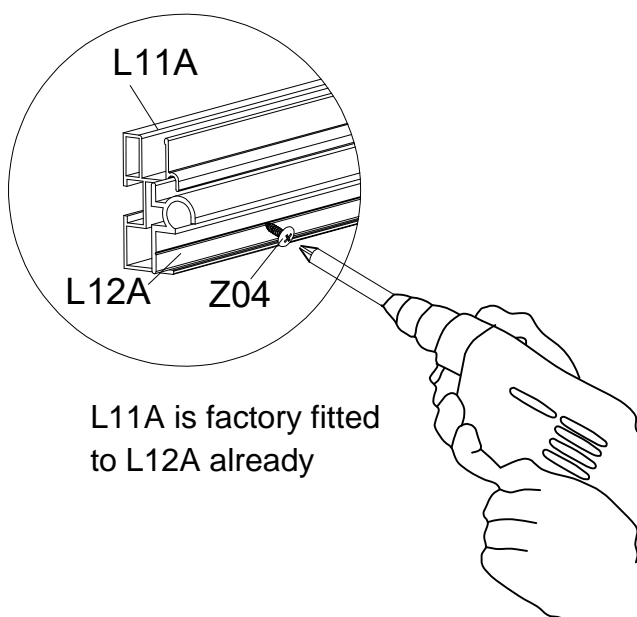
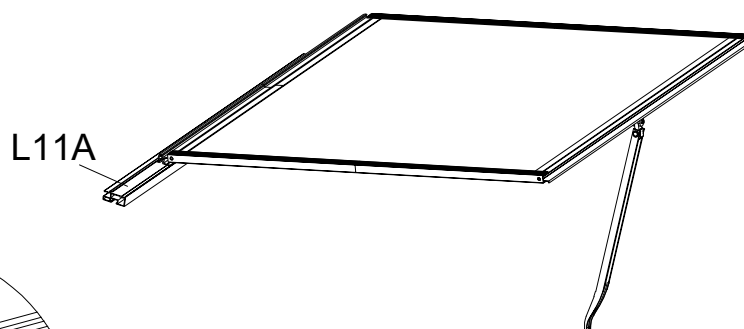
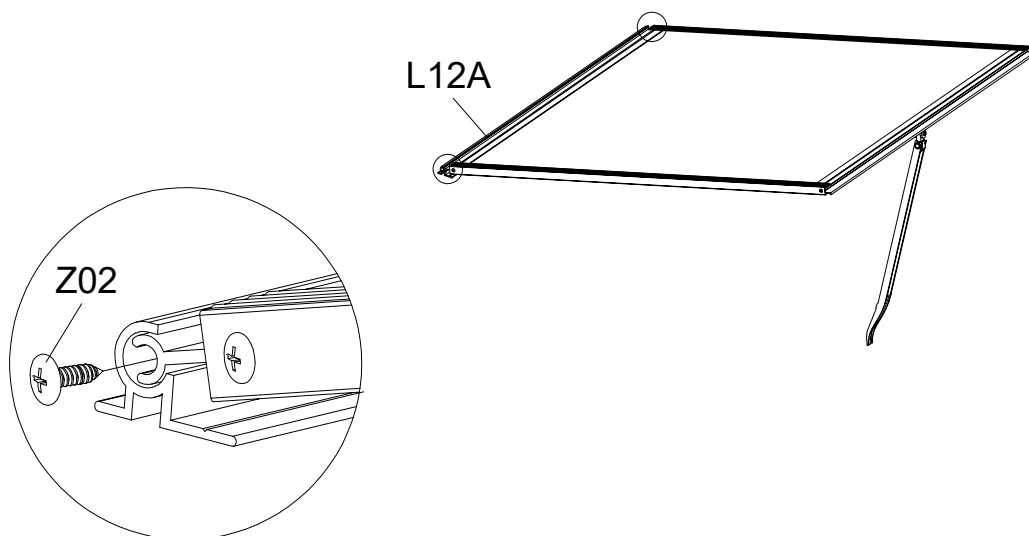
Step 1



Step 2













Step 3

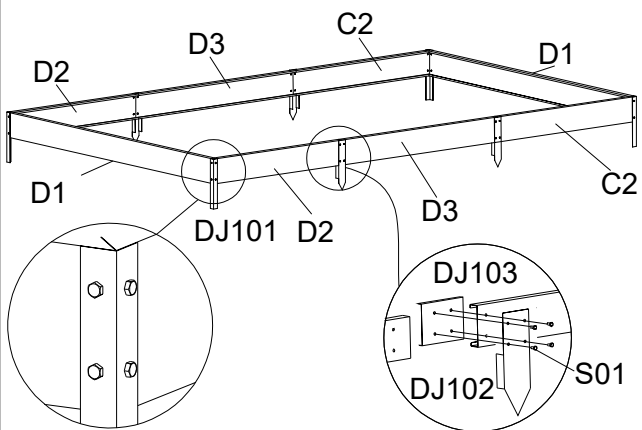
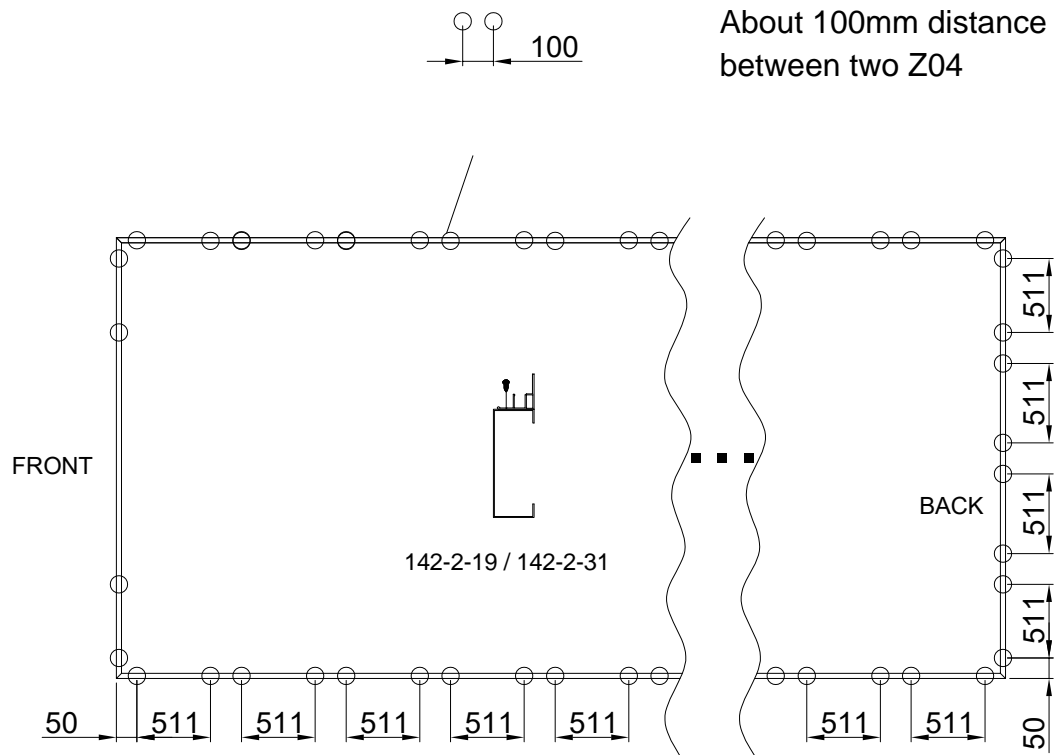


L11A is factory fitted
to L12A already

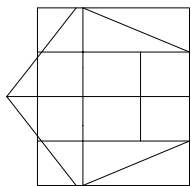
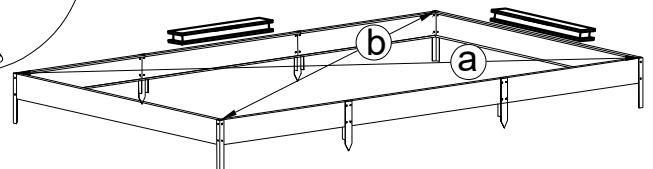
Attention:

6 windows are standard. If your order contains more windows, the extra windows are packed separately in the wooden boxes with the glass. Instruction manual is included in that carton box too.

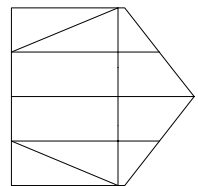
PART	NO	QTY
	C2	2
	D1	2
	D2	2
	D3	2
	GMDJ-101	4
	GMDJ-102	4
	GMDJ-103	4
	S01 M6X12	32
	M01 M6	32
	Z04 M4.2X16	56















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

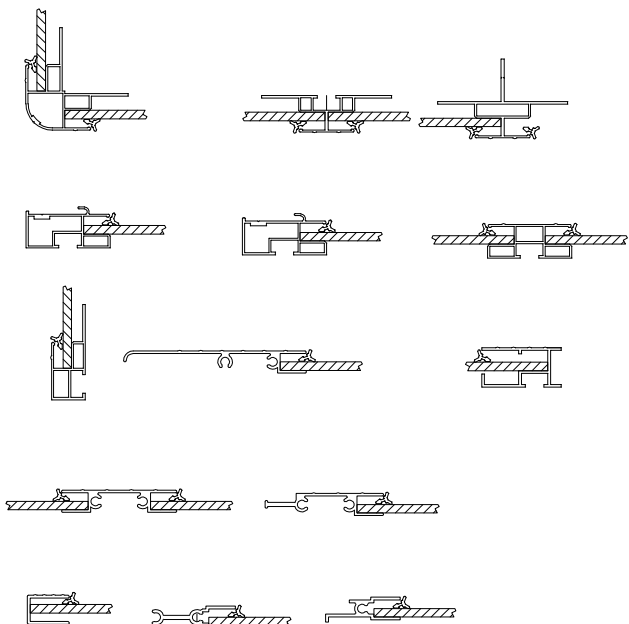
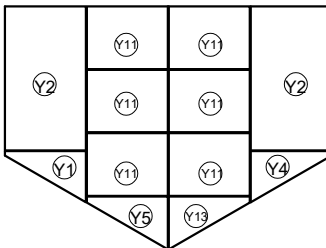
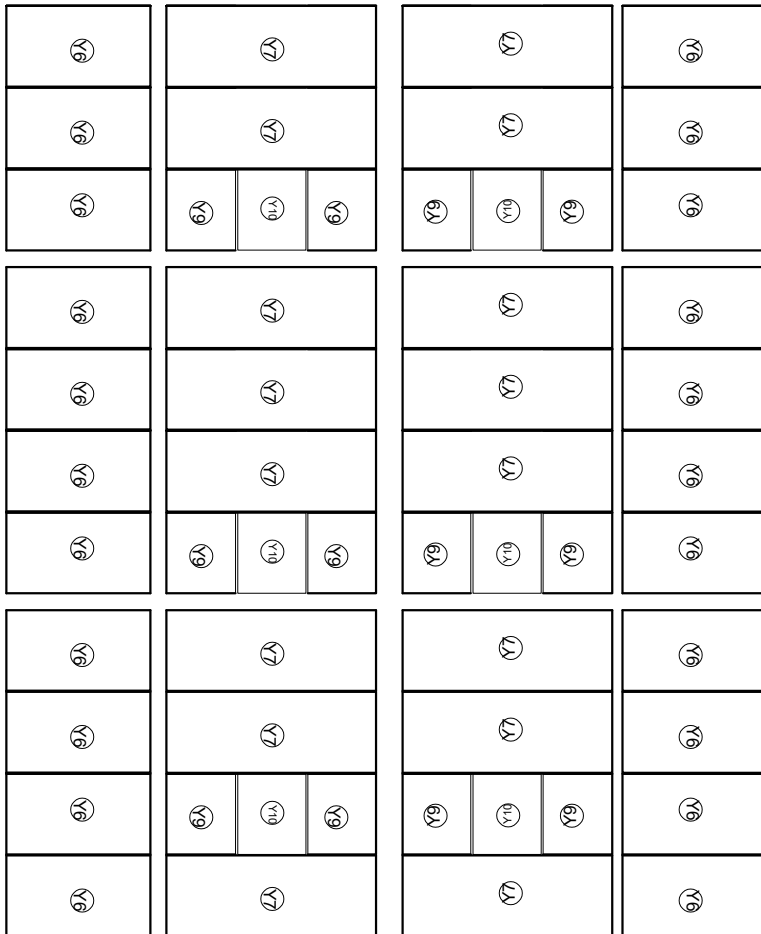
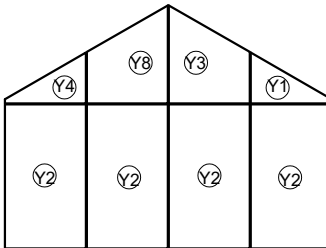


L06D					L06D					L06C
L05D					L05D					L05C
L07D					L07D					L07C
L05D					L05D					L05C
L08D					L08D					L08C
L08D					L08D					L08C
L05D					L05D					L05C
L07D					L07D					L07C
L05D					L05D					L05C
L06D					L06D					L06C



142-2-19 / 142-2-31










PART	NO	QTY
	Y1	2
	Y2	6
	Y3	1
	Y4	2
	Y5	1
	Y6	22
	Y7	16
	Y8	1
	Y9	12
	Y10	6
	Y11	6
	Y13	1

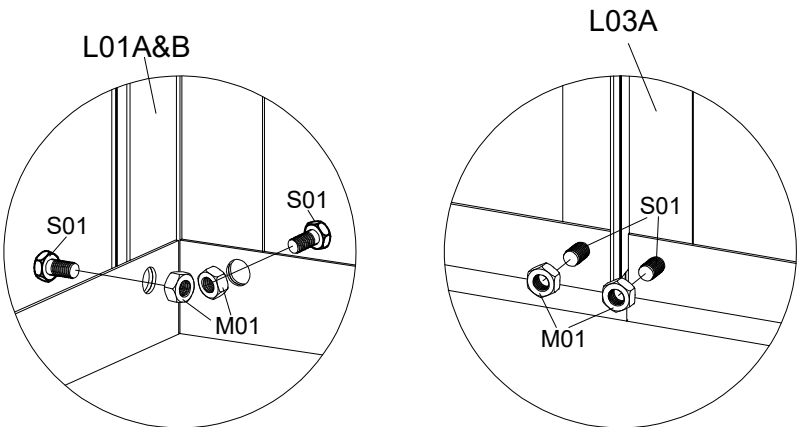
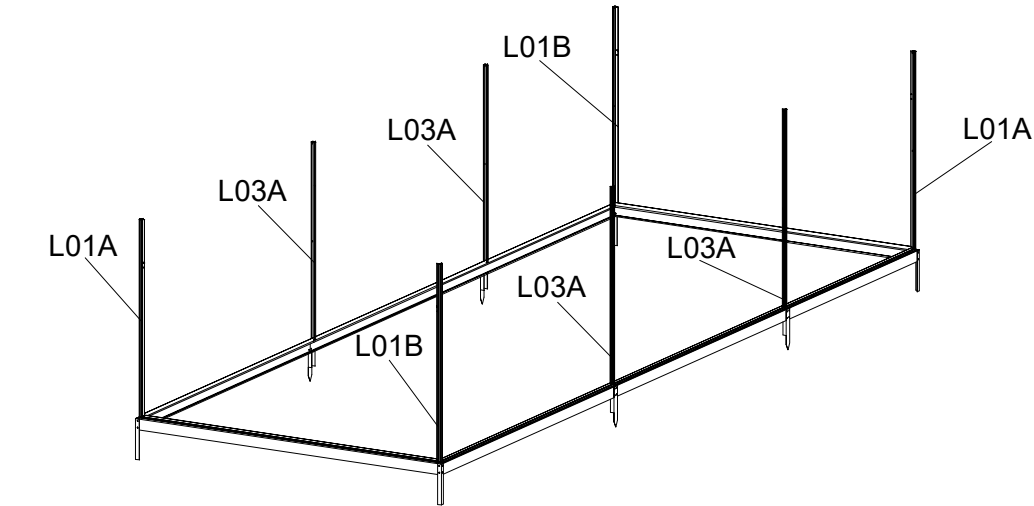


Attention:

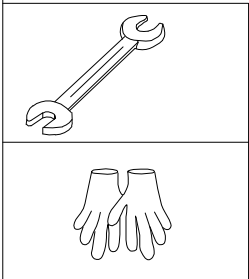
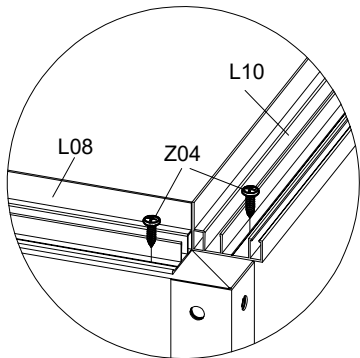
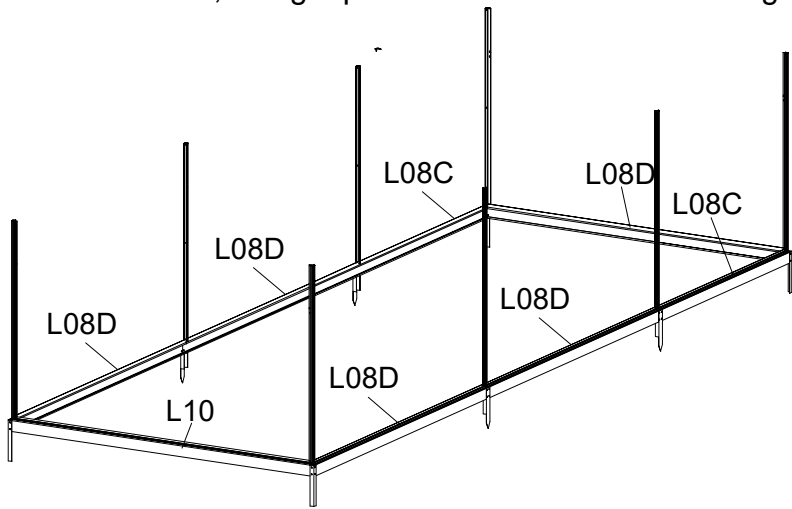
If glass is chosen, please seal it with rubber(J11) provided after the whole assembly is finished.







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

PART	NO	QTY
	L01A	2
	L01B	2
	L03A	4
	L08C	2
	L08D	5
	L10	1
	Z04 M4.2X16	56
	S01 M6X12	16
	M01 M6	16

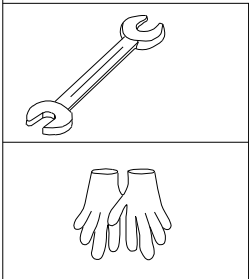
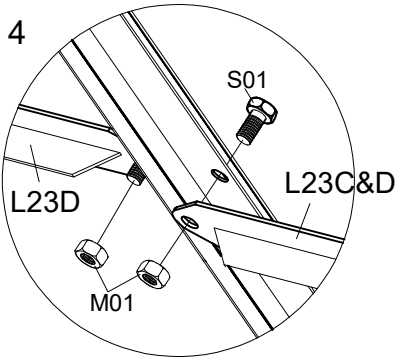
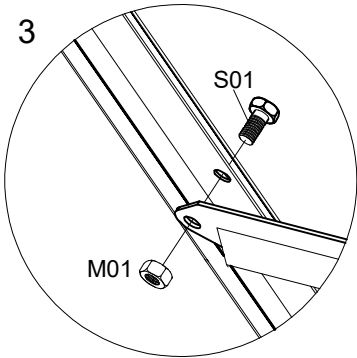
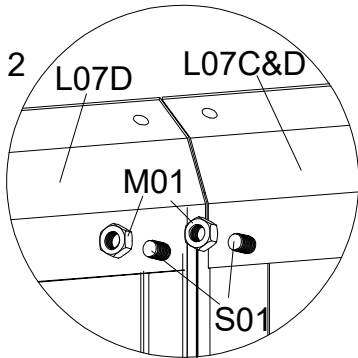
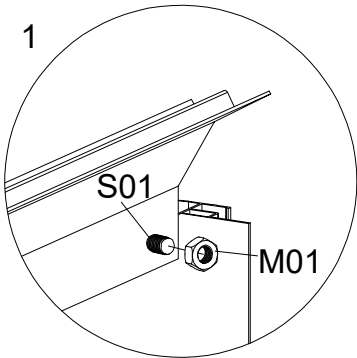
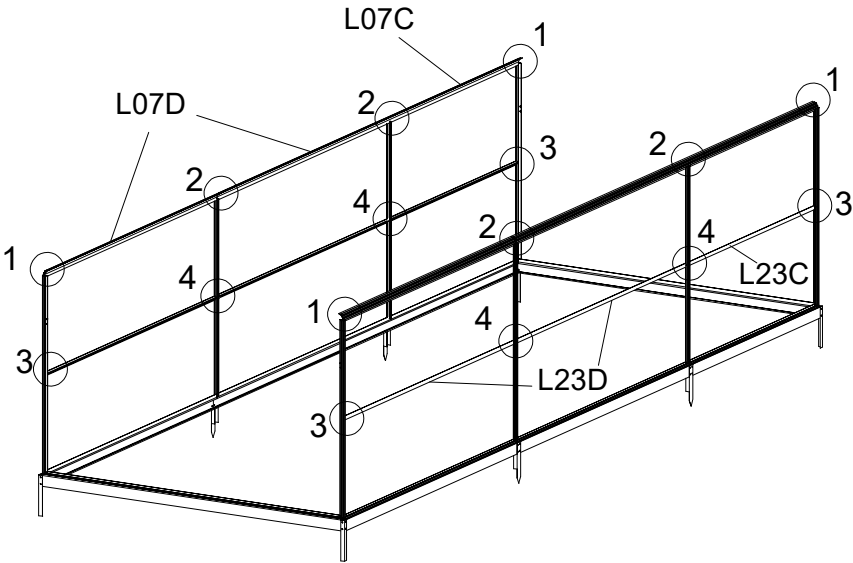












1. Fix the glazing bars (2 x L01A, 2 x L01B and 4 x L03A) to the cills (L10, L08C & L08D) with S01 & M01 provided.
2. Fix the cills to the base with Z04, using a powered screwdriver. See Page No. 8 for details.

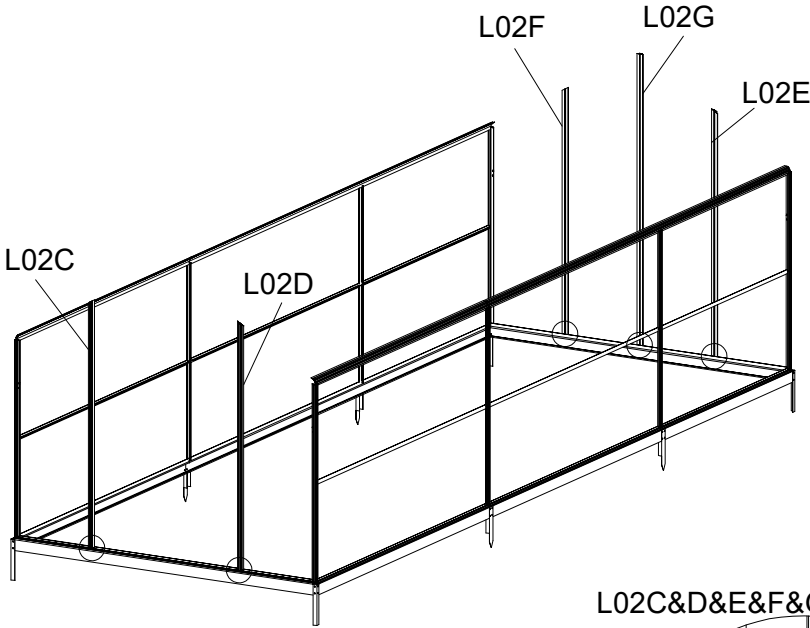


PART	NO	QTY
	L07C	2
	L07D	4
	L23C	2
	L23D	4
	S01 M6X12	24
	M01 M6	24

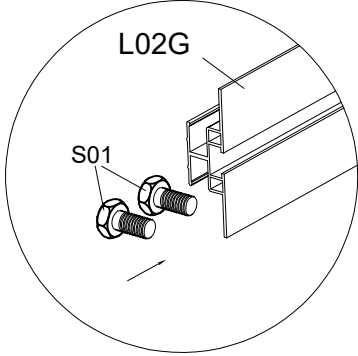
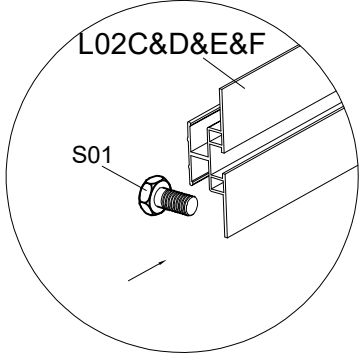
1. Fix 2 x L07C & 4 x L07D eaves to L01A/L01B and L03A, using S01 & M01.
2. Fix 2 x L23C & 4 x L23D to L01A/L01B and L03A, using S01 & M01.



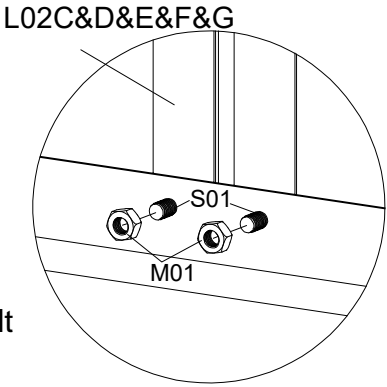
PART	NO	QTY
	L02C	1
	L02D	1
	L02E	1
	L02F	1
	L02G	1
	L23A	2
	L23D	1
	L05A	4
	S01 M6X12	20
	M01 M6	19



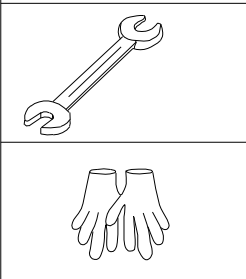
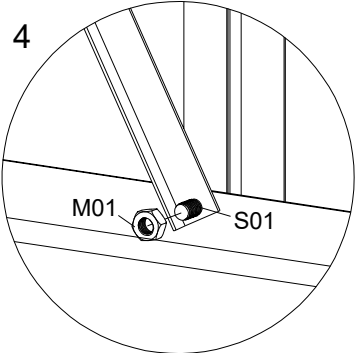
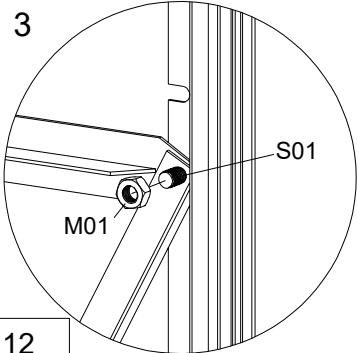
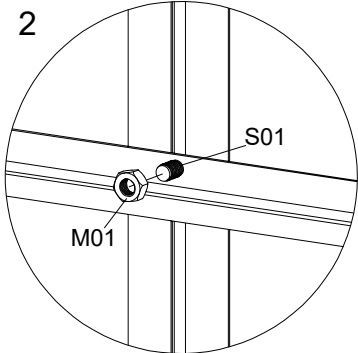
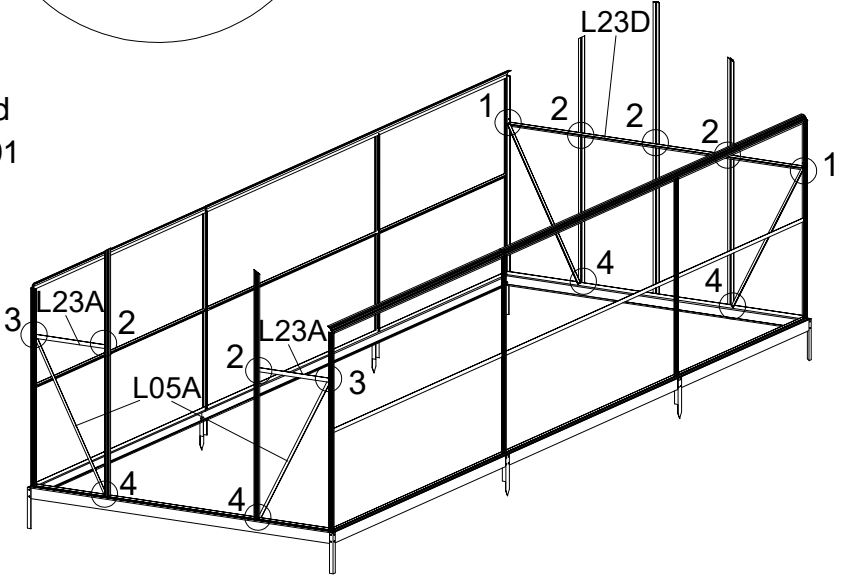
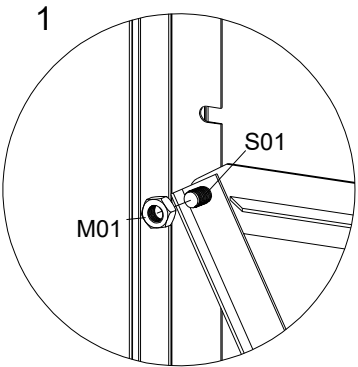
Fix L02C & L02D to cill L10; L02E, L02F and L02G to cill L08D, using S01 & M01.







Slide 2 * S01 into L02G bolt channel.

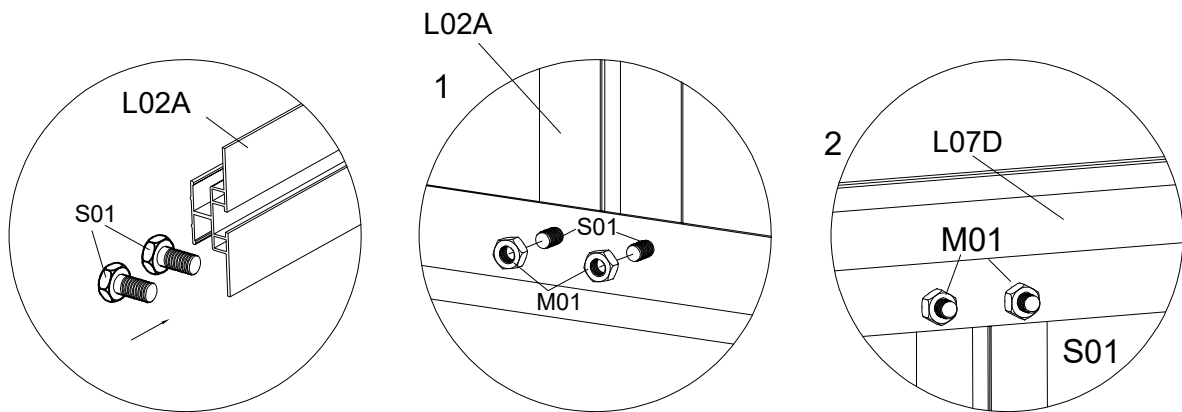
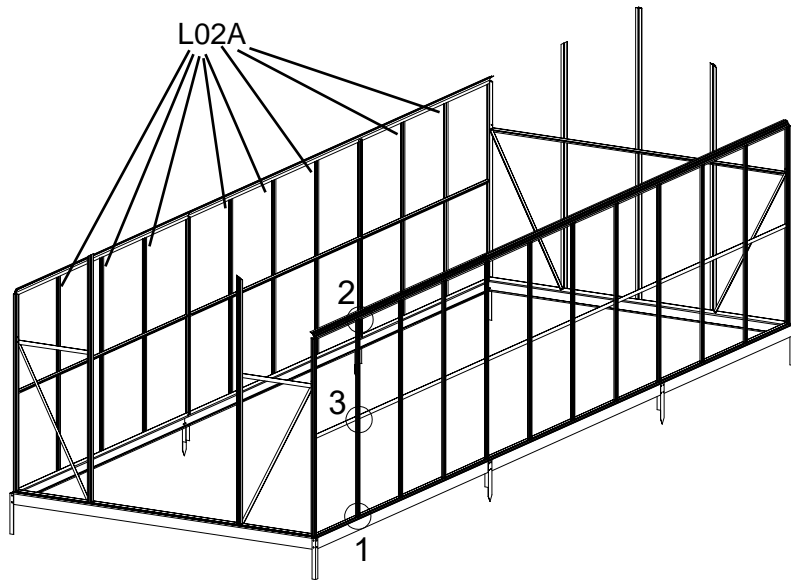


Fix bracings 4 x L05A, 2 x L23A and 1 x L23D as below, using S01 & M01

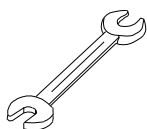
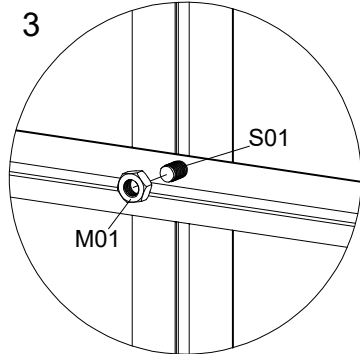
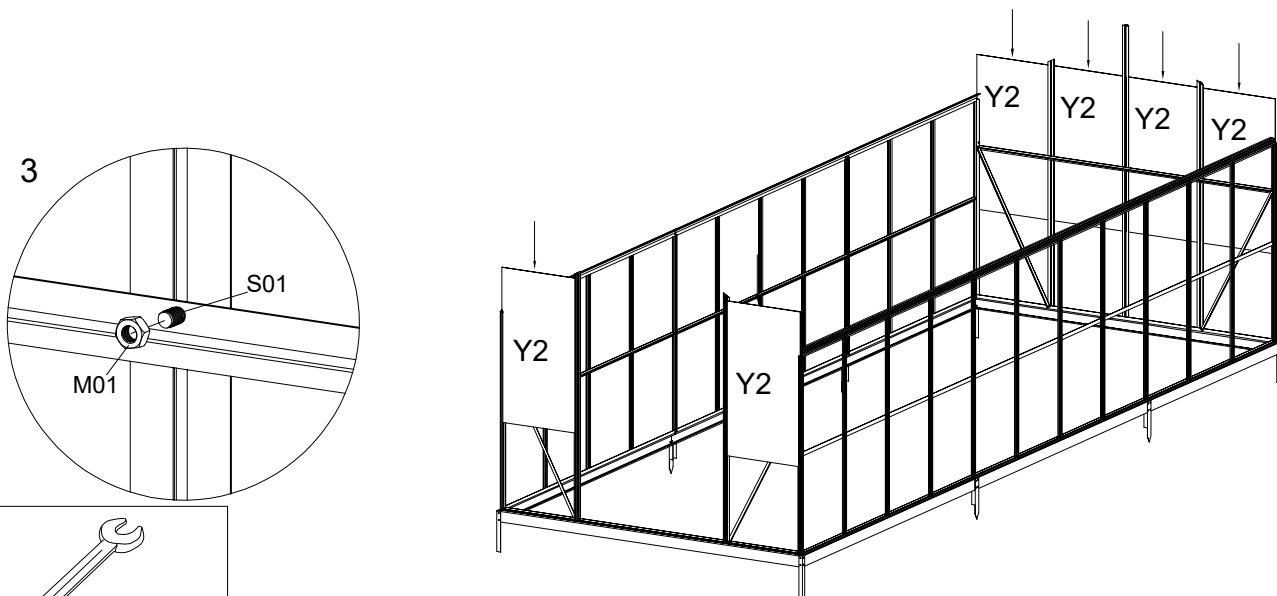






PART	NO	QTY
	L02A	16
	Y2	6
	S01 M6X12	96
	M01 M6	80

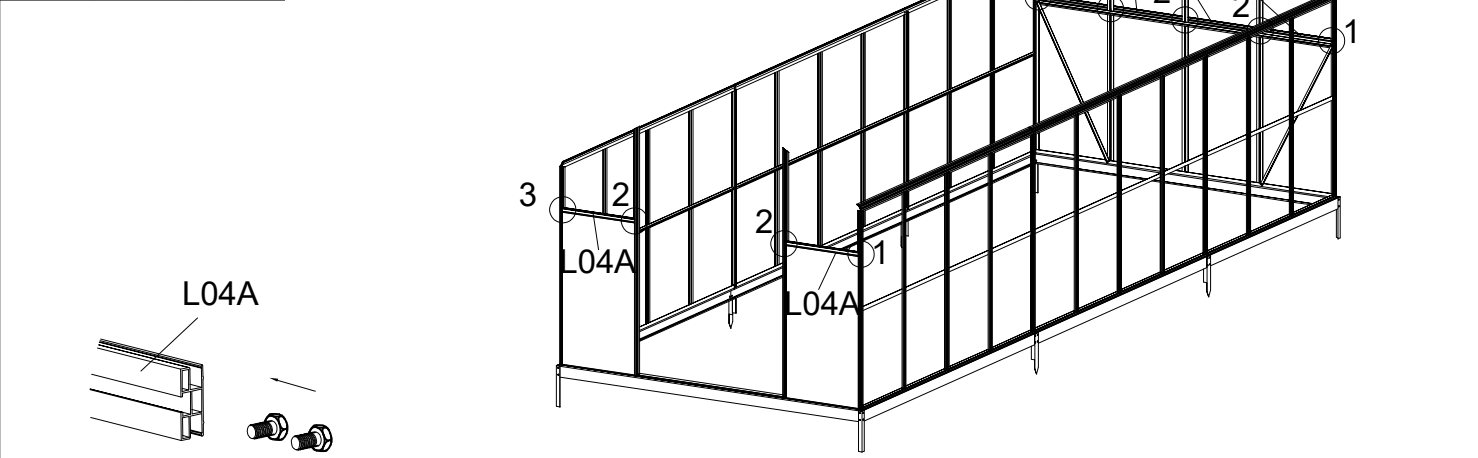
Fix L02A (16pcs) to L08C/L08D and L07C/L07D using S01 & M01.



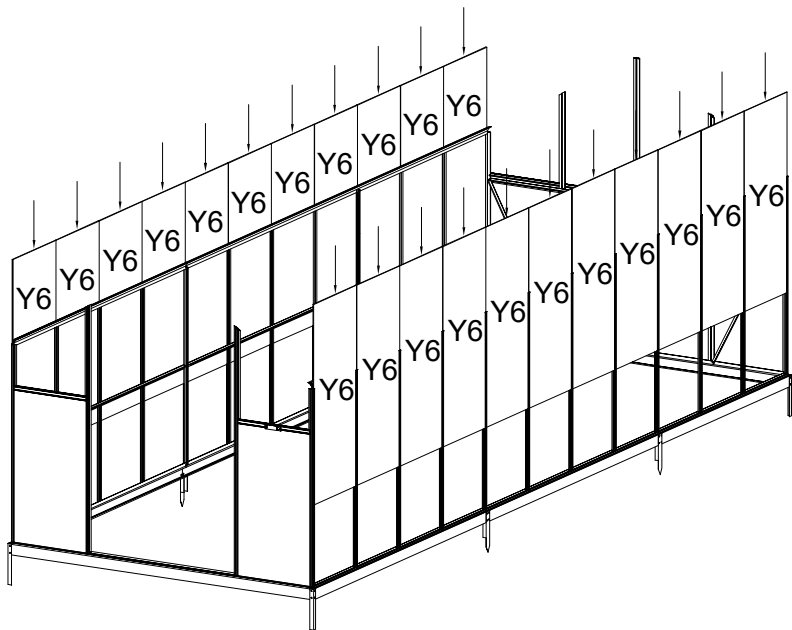
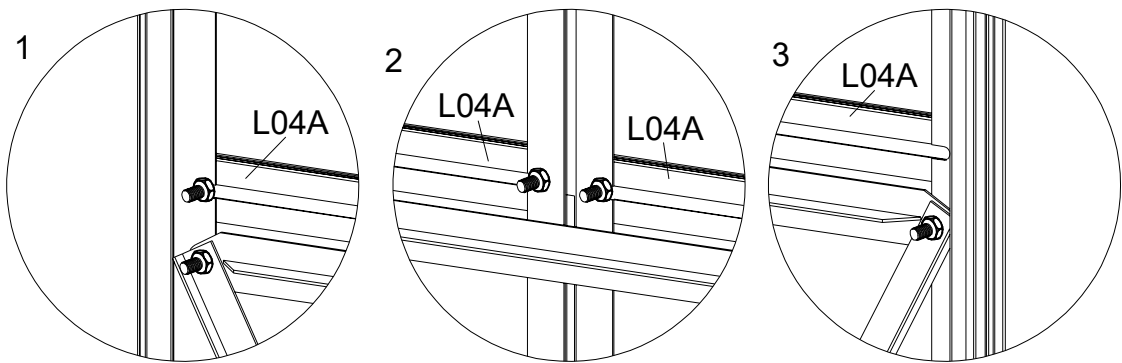
Slide 2 bolts (S01) into each L02A bolt channel. One is to fix L23D, the other is to be used later for fixing L05B



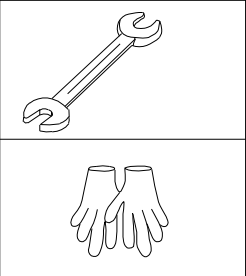
PART	NO	QTY
	L04A	6
	Y6	22
	S01 M6X12	12
	M01 M6	12













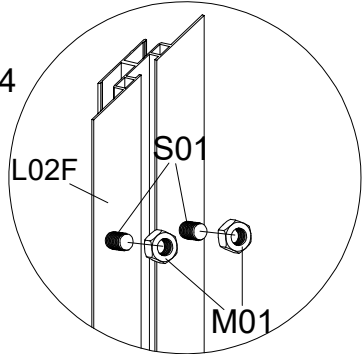
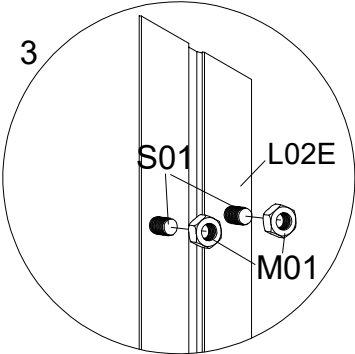
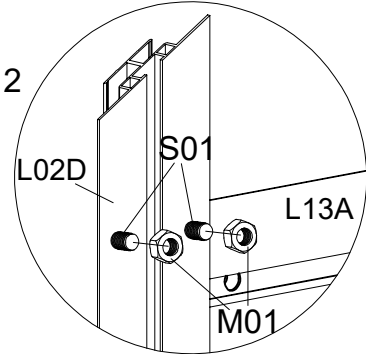
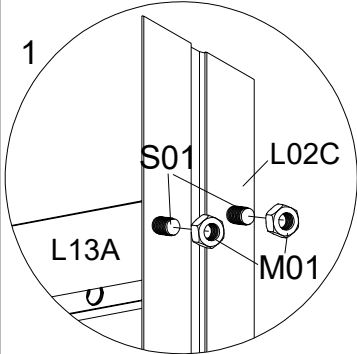
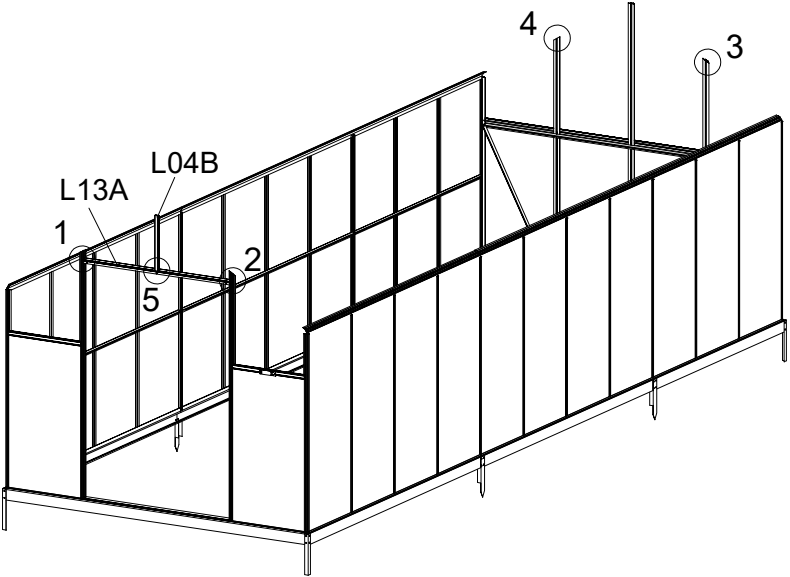
Fix bracings L04A (6pcs) as above, using S01 & M01.



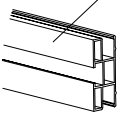
Slide the glazing panel Y6 into positions



PART	NO	QTY
	L04B	1
	L13A	1
	S01 M6X12	10
	M01 M6	9
	Y1	2
	Y3	1
	Y4	2
	Y5	1
	Y8	1
	Y13	1

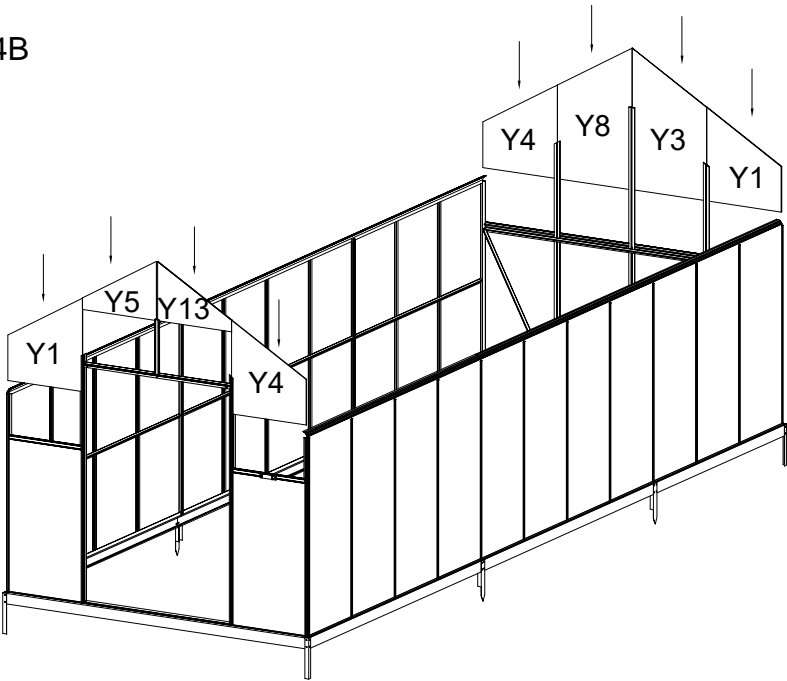
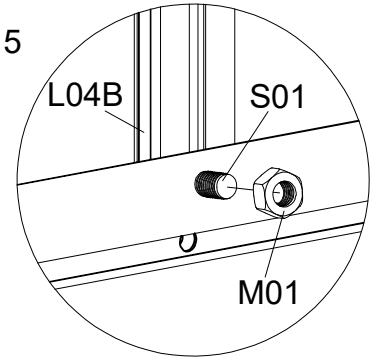


L04B Fix L13A to L02C & L02D
with S01 & M01.

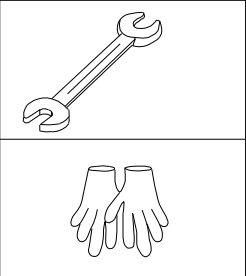








Slide 2*S01 into
the channel of L04B

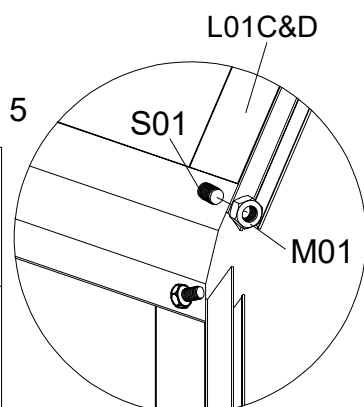
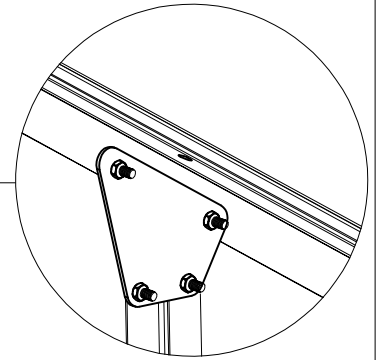
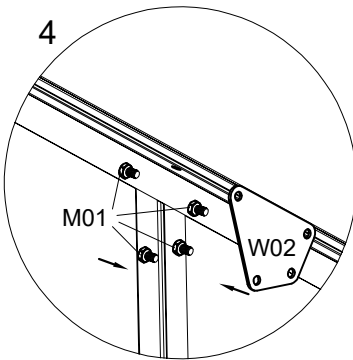
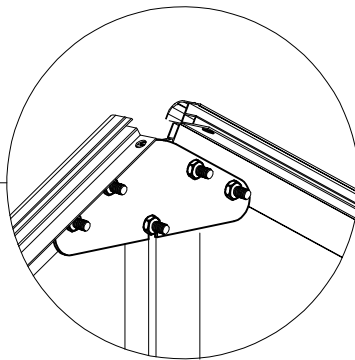
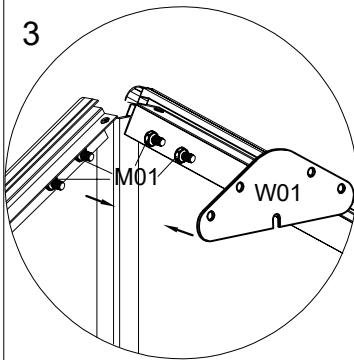
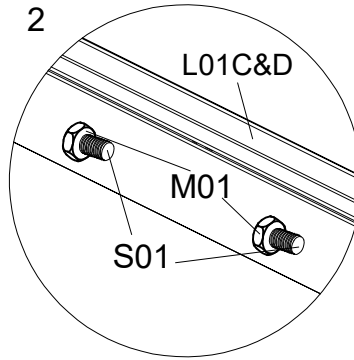
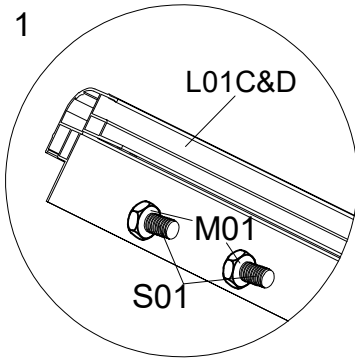
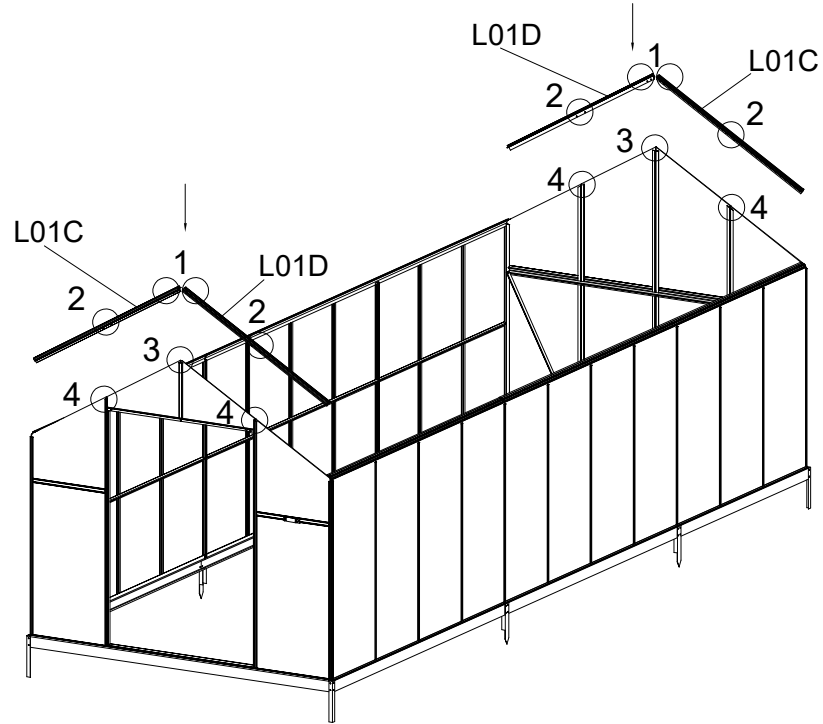
Preload the bolts S01 & M01
to L02E & L02F before








Slide the glazing panels Y1, Y3, Y4
Y5, Y8 and Y13 into positions.

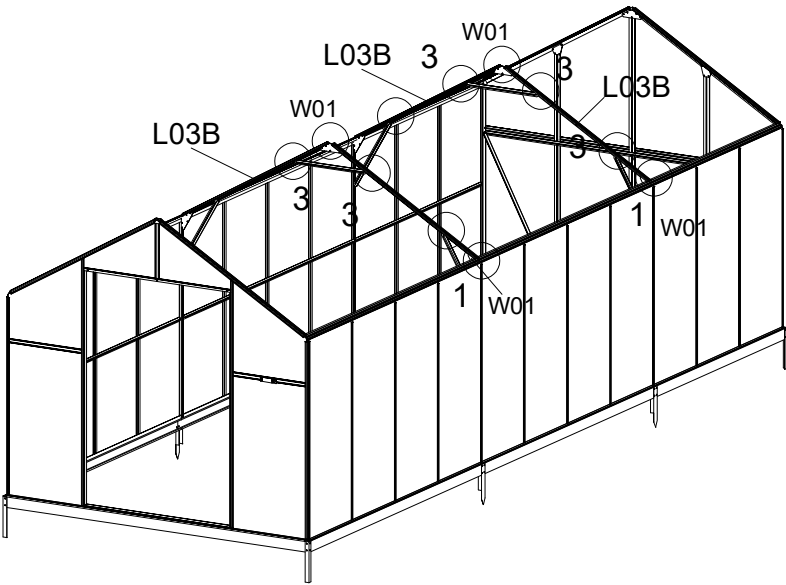


PART	NO	QTY
	L01C	2
	L01D	2
	W01	2
	W02	4
	S01 M6X12	20
	M01 M6	22

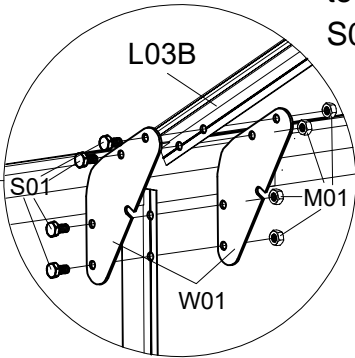
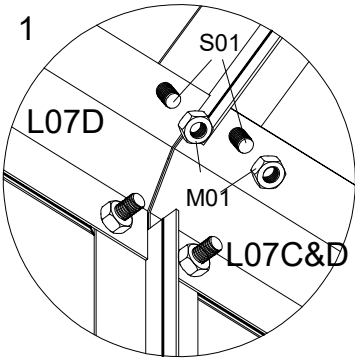


1. Preload S01 & M01 on L01C and L01D before fixing them to L01A/L01B. See figure 1 & 2.
2. Bolt L01C and L01D with plate W01, using S01 & M01 preloaded. And then fix them to L04B and L02G, using S01 & M01.
3. Fix L01C & L01D to L02C & L02D/L02E & L02F with the plate W02, using the S01 and M01 preloaded above.
4. Fix L01C & L01D to L01A & L01B, using S01 & M01.

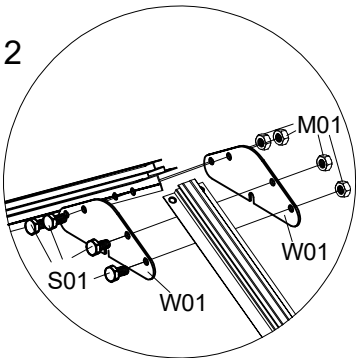
PART	NO	QTY
	L03B	4
	L23E	12
	W01	12
	S01 M6X12	44
	M01 M6	44



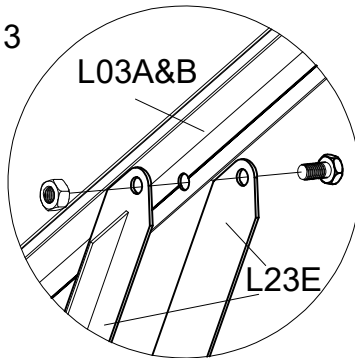
Fix glazing bars L03B (4pcs) to the eaves and the ridge profiles using S01 & M01



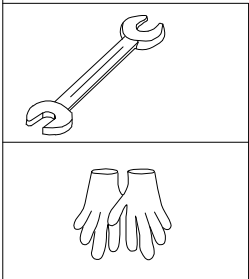
Fix plates W01 (2pcs) to L03A & L03B using S01 & M01.








Fix plates W01 (2pcs) to the two L03B using S01 & M01.

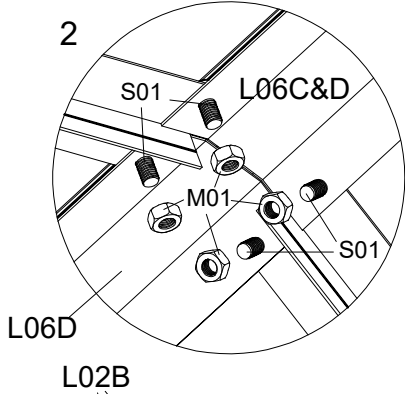
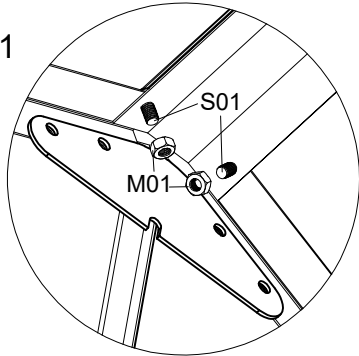
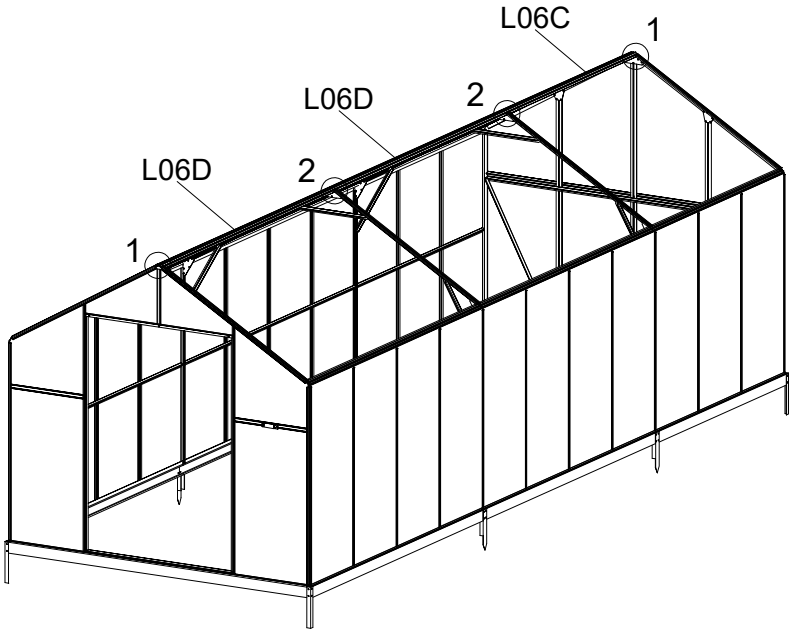


Fix L23E(12pcs) to L03A and L03B using S01 & M01.

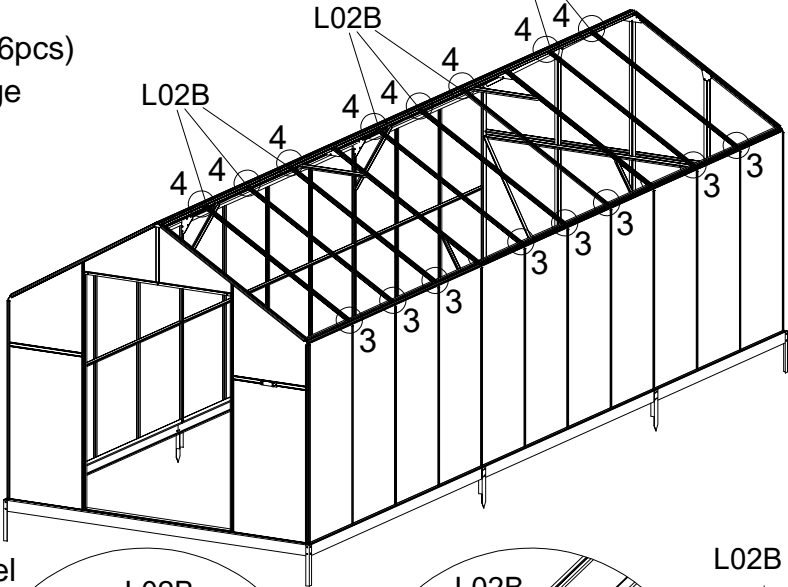


PART	NO	QTY
	L06C	1
	L06D	2
	L02B	16
	S01 M6X12	124
	M01 M6	76

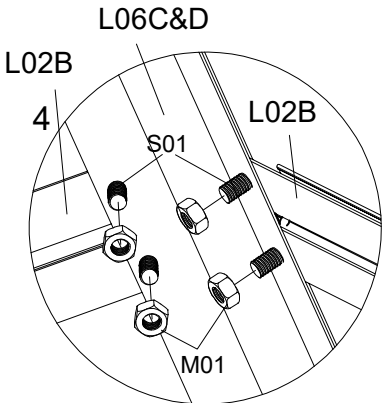
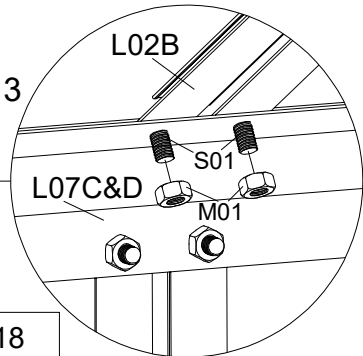
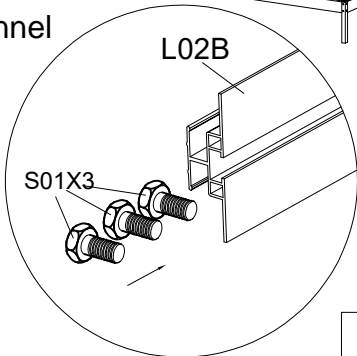
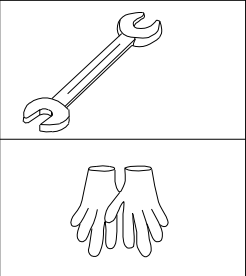
Bolt the ridge L06C (1pc) & L06D (2pcs) to L01C, L01D and L03B, using S01 & M01.










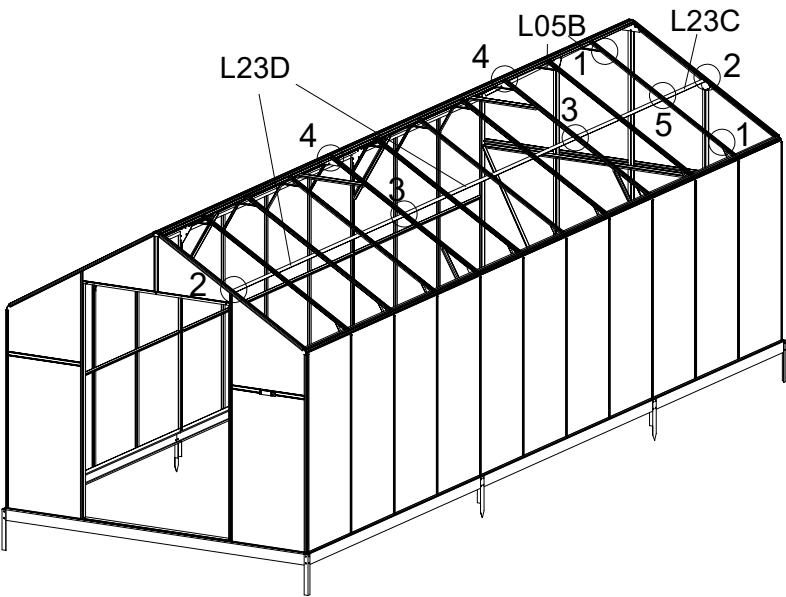
Fix glazing bars L02B (16pcs) to the eaves and the ridge profiles with S01 & M01



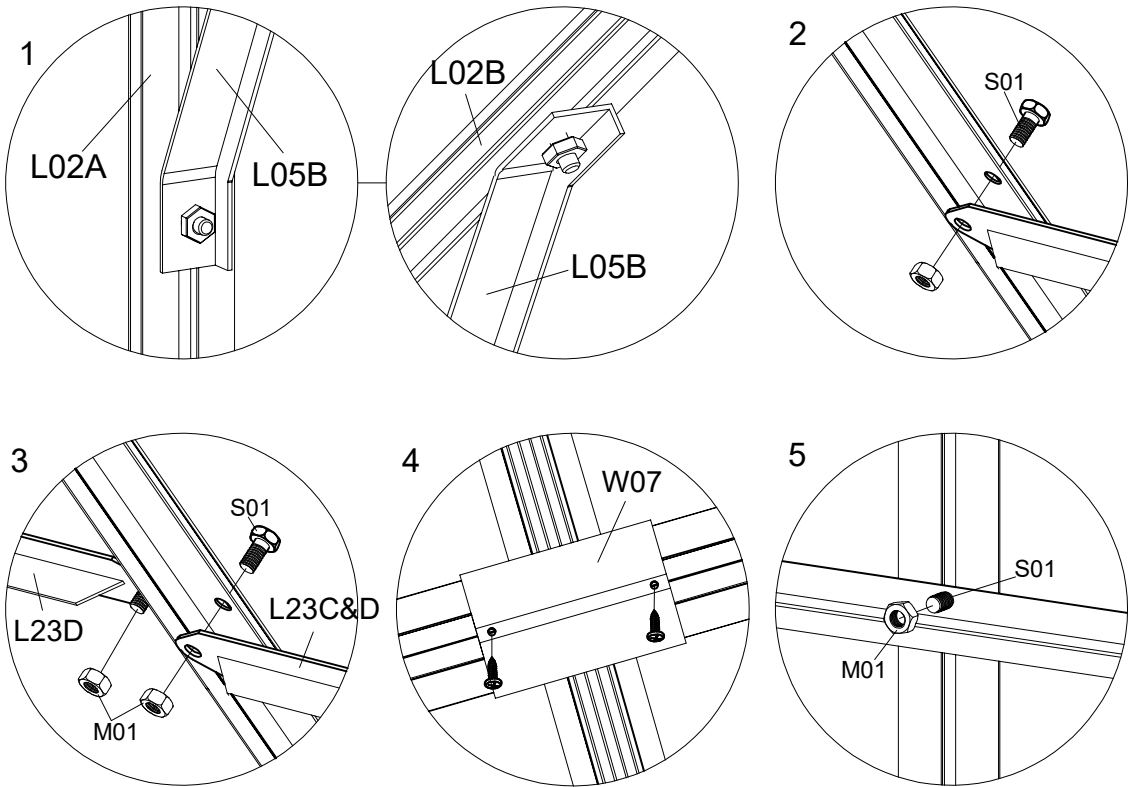
Slide 3 bolts (S01) into each L02B bolt channel to be used later.



PART	NO	QTY
	L23C	2
	L23D	4
	L05B	24
	W07	2
	S01 M6X12	12
	M01 M6	76
	Z04 M4.2X16	4



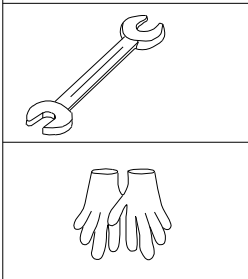
Bolt L05B (24 pcs) to L02A & L02B using the S01 bolt placed in the bolt channel earlier.










Bolt L23C/L23D to L01C/L01D & L03B with S01 & M01.

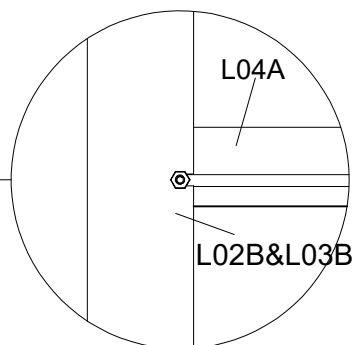
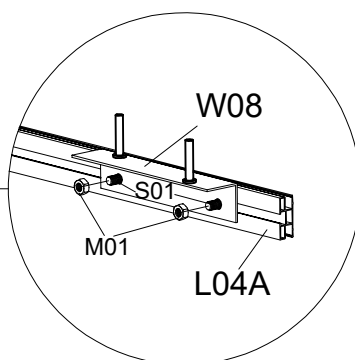
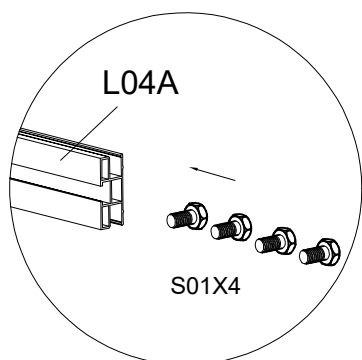
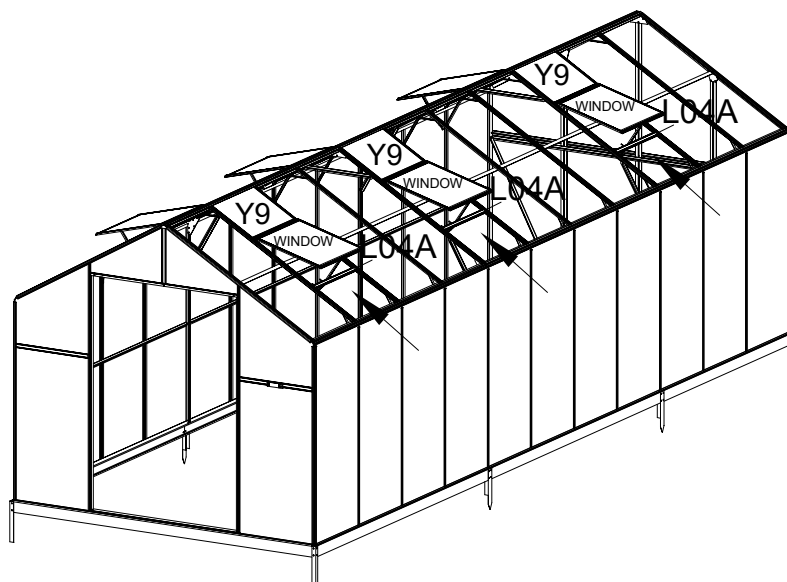
Fix W07 to L06C/L06D from outside with self-tapping screws Z04, using a powered screwdriver.

Bolt L23CL23D to L02B using the S01 bolt placed in the bolt channel earlier.

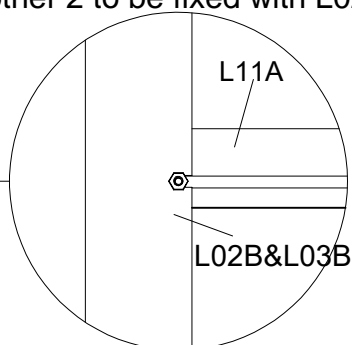
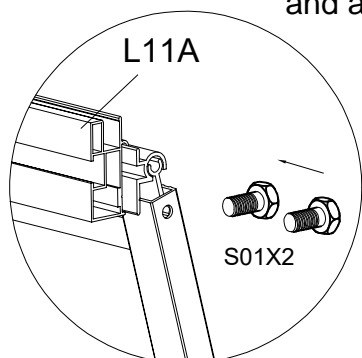


PART	NO	QTY
	L04A	6
	W08	6
	WINDOW	6
	Y7	16
	Y9	12
	S01 M6X12	36
	M01 M6	36

Firstly, slide the glazing panel Y9 into the channel of L02B/L03B

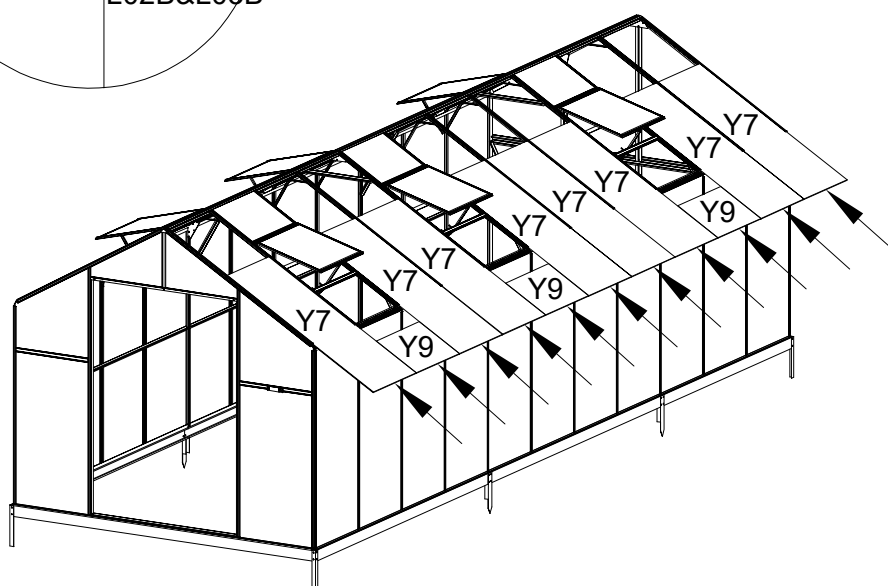











Slide 4 bolts (S01) into each L04A bolt channel. 2 to be fixed with W08, and another 2 to be fixed with L02B/L03B.



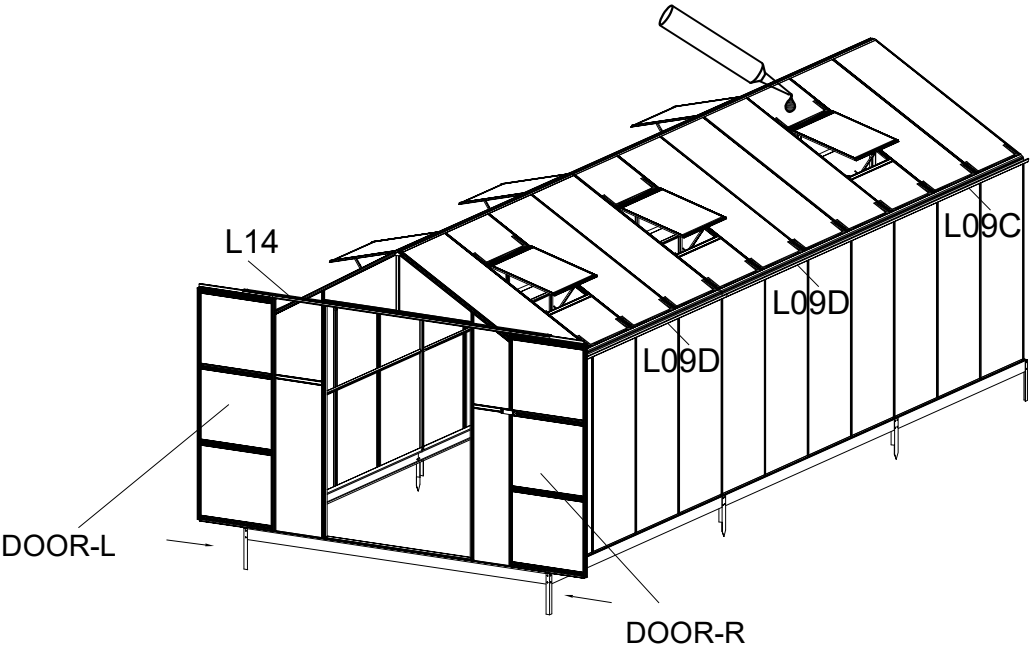
Slide 2 bolts (S01) into each L11A, and bolt it to L02B/L03B, using the S01 & M01.

Slide the glazing panels into positions

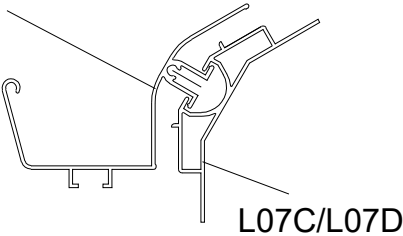


PART	NO	QTY
	L09C	2
	L09D	4
	L14	1
	D00R-R	1
	D00R-L	1
	W011	4
	S01 M6X12	10
	S02 M6X20	3
	M01 M6	11

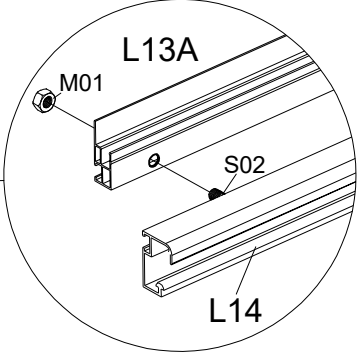
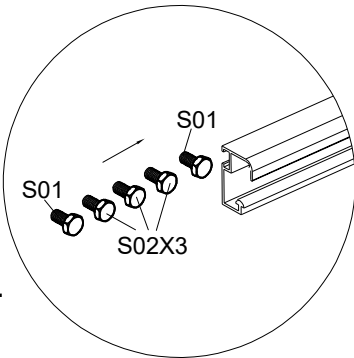
After the panels and windows are in position,
put some silicone sealant around to avoid leaking water.



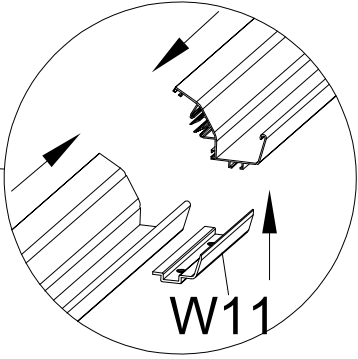
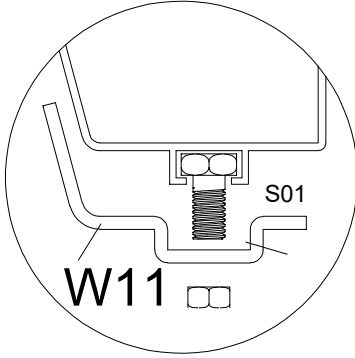
L09C/L09D



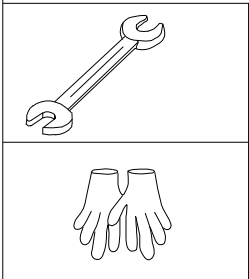
Slide 5 bolts (2*S01 and 3*S02) into L14 bolt
channel. Bolt L14 to L13A with S02 & M01.

















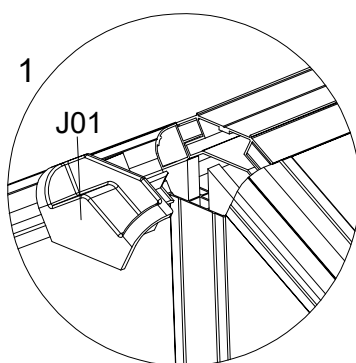
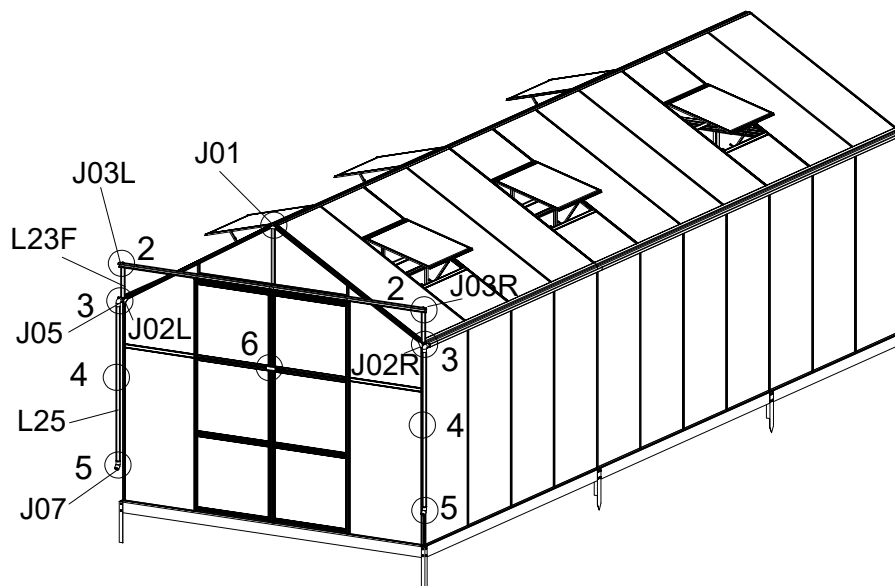
When the panels are completely
inserted, fix gutter profile L09C/L09D.
Tap it gently into position
with a rubber mallet.



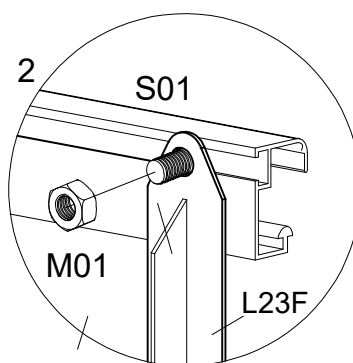
Slide 1*S01 into the bolt channel of each L09C/L09D,
fix W11 to L09C/L09D using S01 & M01.



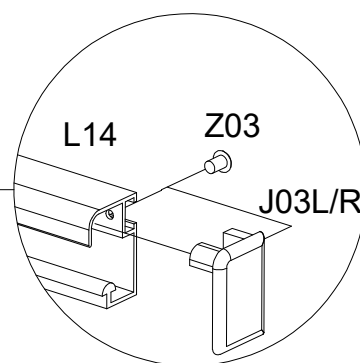
PART	NO	QTY
	L23F	2
	J01	2
	J02R	2
	J02L	2
	J03R	1
	J03L	1
	J05	4
	L25	4
	J07	4
	J08	4
	Z04 M4.2X16	4
	Z02 Ø4X16D	8
	Z03 Ø4X10	2
	M01 M6	2



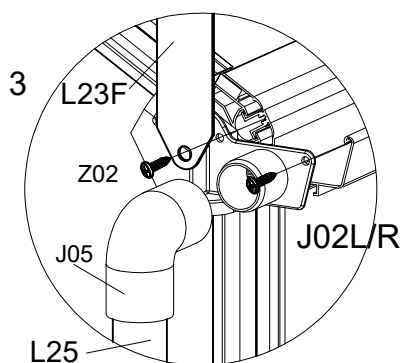
1
Fix the cover caps J01 into the ridge profile



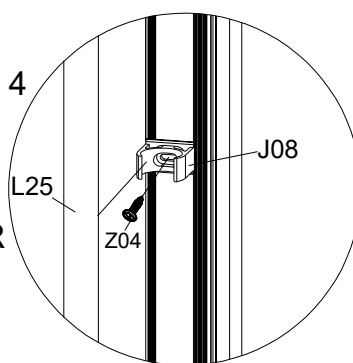
2
Fix L23F (2pcs), one end to L14 and the other end to L09C/L09D through J02L/R, using the S01 preloaded and M01.



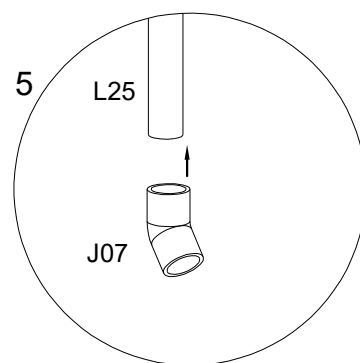
3
Fix the cover caps (J03L/R) carefully with Z03.



4
Fix the cover caps (J02L/R) carefully with Z02. Be careful to ensure that the screws are driven in straight and in the correct position (see detail drawings).



5
Drill a hole in L01A/L01B, approximately 3mm diameter and 700mm up from the bottom. Fix the J08 downpipe bracket with Z04 screws and then clip the L25 downpipe into the J08 bracket.



6
If you wish to eliminate leaks use glue when fixing the downpipe bends (not provided).

