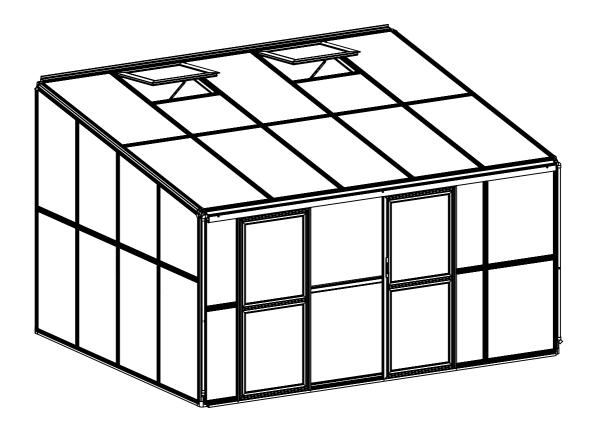
Greenhouse GM37405 Assembly instructions www.ttshop.se



MODEL:GM37405 PRODUCT SIZE(LxWxH):320x392x250cm PLEASE READ CAREFULLY BEFORE ASSEMBLY

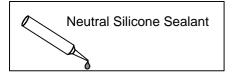
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Assembly and Maintenance Advice

- 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.

Component required but not provided:



Tools Provided:



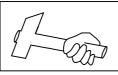


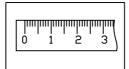




Tools Required when Assembly (Not Provided)













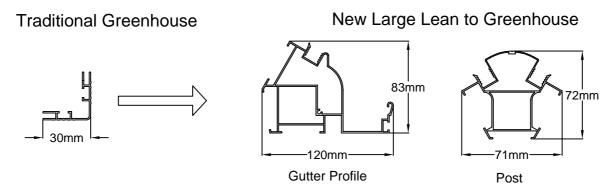
Assembly at least by two Persons



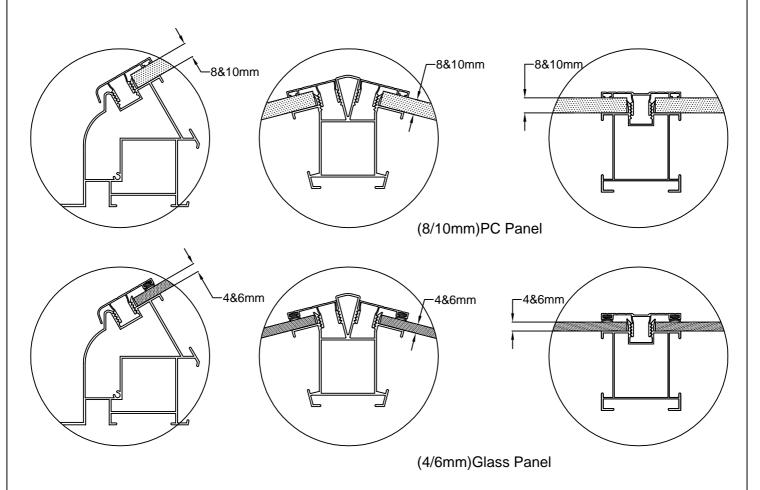
Functions and Features:

 Compared with traditional greenhouses, this exciting new product features many significant improvements. The hollow box profile aluminium framing is much stronger than other greenhouses and it can withstand much greater pressure.
Wind resistance up to 12th typhoon (40M/S or 120KM/H). Weight Support 80KGS/M2.

Wind resistance up to 12th typhoon (40M/S or 120KM/H). Weight Support 80KGS/M2, Snow load capability over 40CM.

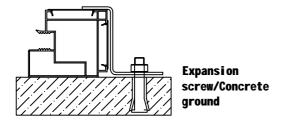


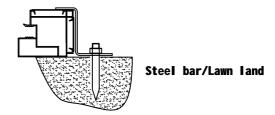
2. A great improvement for this new greenhouse is bigger bar capping and thicker connectors, which are much neater and stronger. Another benefit is that these greenhouses can be glazed with glass or polycarbonate of varying thicknesses.



* If you are glazing this greenhouse with glass you will need to slide the rubber gaskets (provided) into the bar capping.

3. 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.



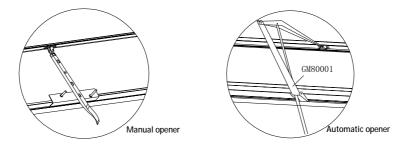


4. Our unique frame connectors (2.5mm thick) make much stronger joints than conventional greenhouses.

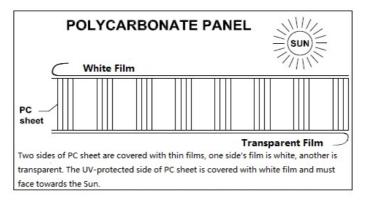


5. The strong two part eaves beam includes an integral gutter. Downpipes are also included as standard so you can collect rainwater.

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

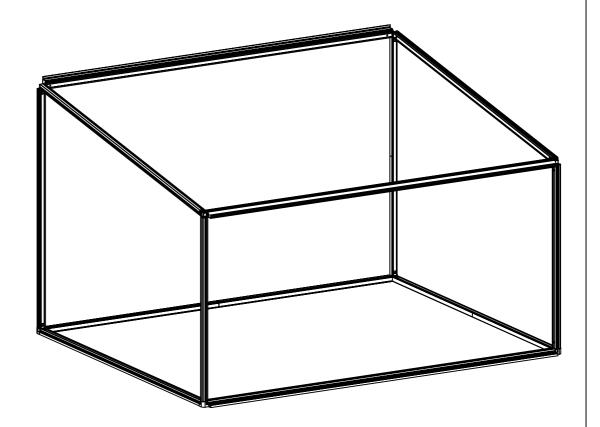


7. Remove approximately 2 inches of film from all sheet edges before installing and remove all film immediately after the construction is completed. Please ensure that the side with the white film faces outwards.



GM37405(ALU. Box No.1)

PART	NO	QTY
话话话:	L01A	2
铞	L01B	2
뭥	L01C	2 2 2
Ħ	L06	1
	L07	1
T	L08A	2
ŭ	L08B	1
П.	L09	1
	L10	1
	L14	1
	L26A	2
	L26B	2
	L26C	4
\bigoplus	Α	2 2
¥	В	2
T	D	1
	Е	1
	F	1
	G 1	
	J01	4



ALU. Box No. 1

			_		
PART	NO	QTY	PART	NO	QTY
Ľ	L02A	3		K	52
拦	L02B	4	②	M	6
Ц	L02D	1			

凸

L02E

L02F

L02G

L02H

L02I

L02K

L23A

L23B

L23C

L23D

L23E

L23F

L23N

L24A

L24B

L24C

L24D

L24E

L24F

L24G

L24H

L24I

L25A

L25B

L25C

L25D

L25E

L25F

L25G

L25H

1

1

16

5

4

24

12

16

4

16

2

6

1

1

1

2

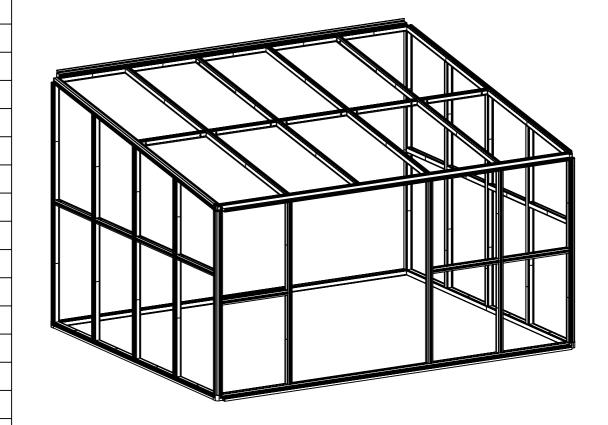
2

2

2

2

2





GM37405(ALU.BoxNo.3)

PART	NO	QTY
Ц	L02K	2
	L11A	4
	L11B	4
	L11C	2
	L11D	9
	L11E	2
	L12A	3
-44-	L12B	4
1	L12D	1
1	L12E	1
1	L12F	1
4	L12G	1
4	L12H	1
4	L12I	1
1	L12K	18
	L23C	18
	K	4
	Z	4
	J02R/L	1/1
	J03R/L	1/1
P	J05	2
	J06	2
8	J07	2
	J08	2
[]	W03	2
	W06	2
00.00	W08	2

W12

W13

2

Windowx2pcs

PART

NO

S01

M6X12 M01

M6 M03

M6 Z01

Ø4X14 Z02

Ø4X14D

QTY

9

3

9

2

10

		•
PART	NO	QTY
	L11F	4
	L11G	4
y.	L15A	2
-11-	L19A	4
-11-1-	L19B	2
-بىللىم	L20	2
	J	8
	W06	2
6	Z03 Ø4X10	4
•	Z02 Ø4X14D	4
<u> </u>	Y10	2

Door

PART	NO	QTY	PART	NO	QTY
C	L13	1		J	8
الت	L16A	8	-	D	4
با	L16B	8		S02 M8X30	4
	L17	2	©	M02 M8	4
	L18A	2	0	Z04 Ø4X40	8
	L18B	1			
	L18C	1			
Image: Control of the	L18D	4			
-11	L11H	8			
	L11J	8			

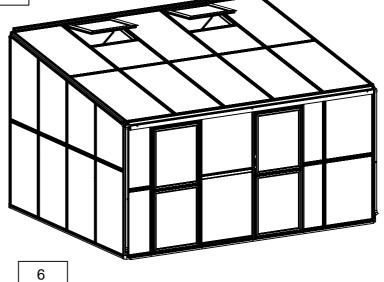
Base

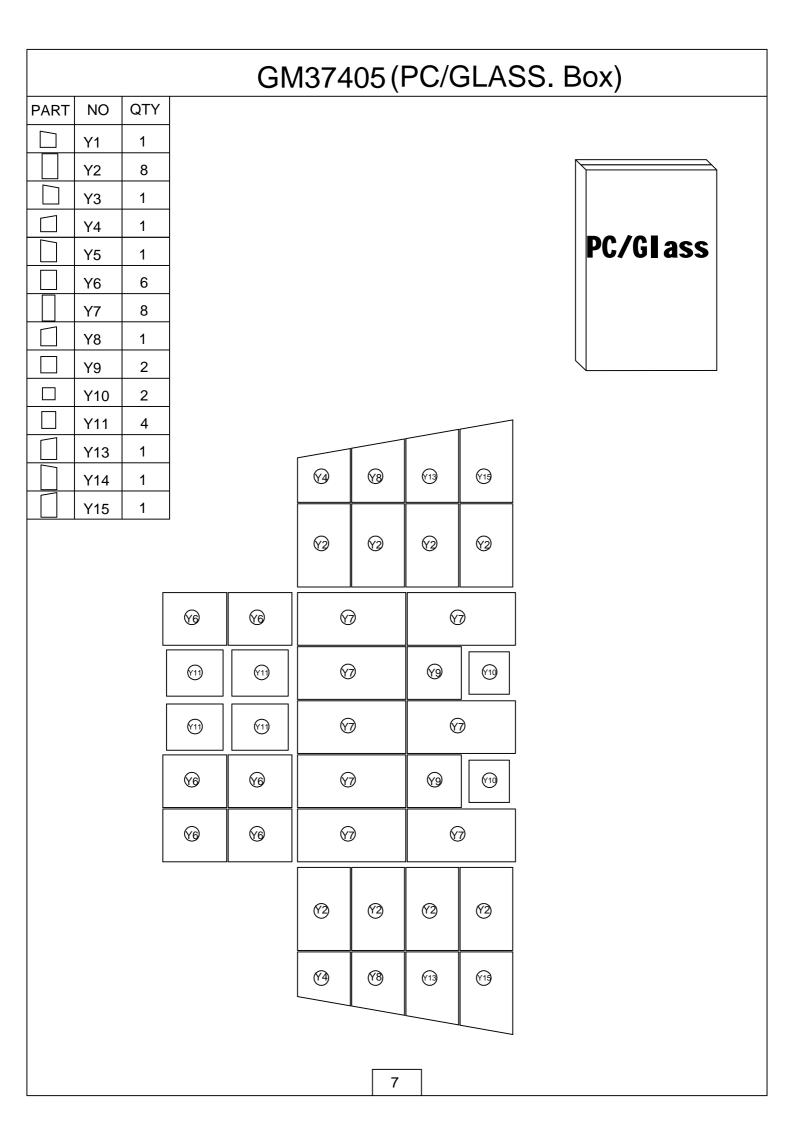
PART	NO	QTY
	W05	14
	S03	4.4
	M8X60	14

Automatic Openers (Optional)

PART	NO	QTY
	W10	2
A	GM80001	2
0 =	Z03	•
(+)	Ø4X10	8

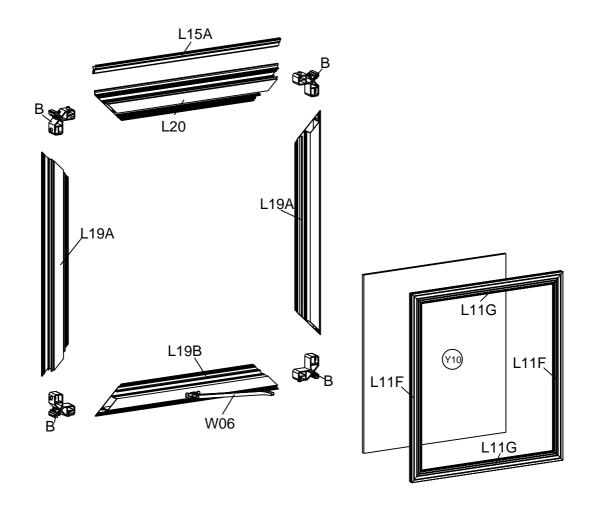


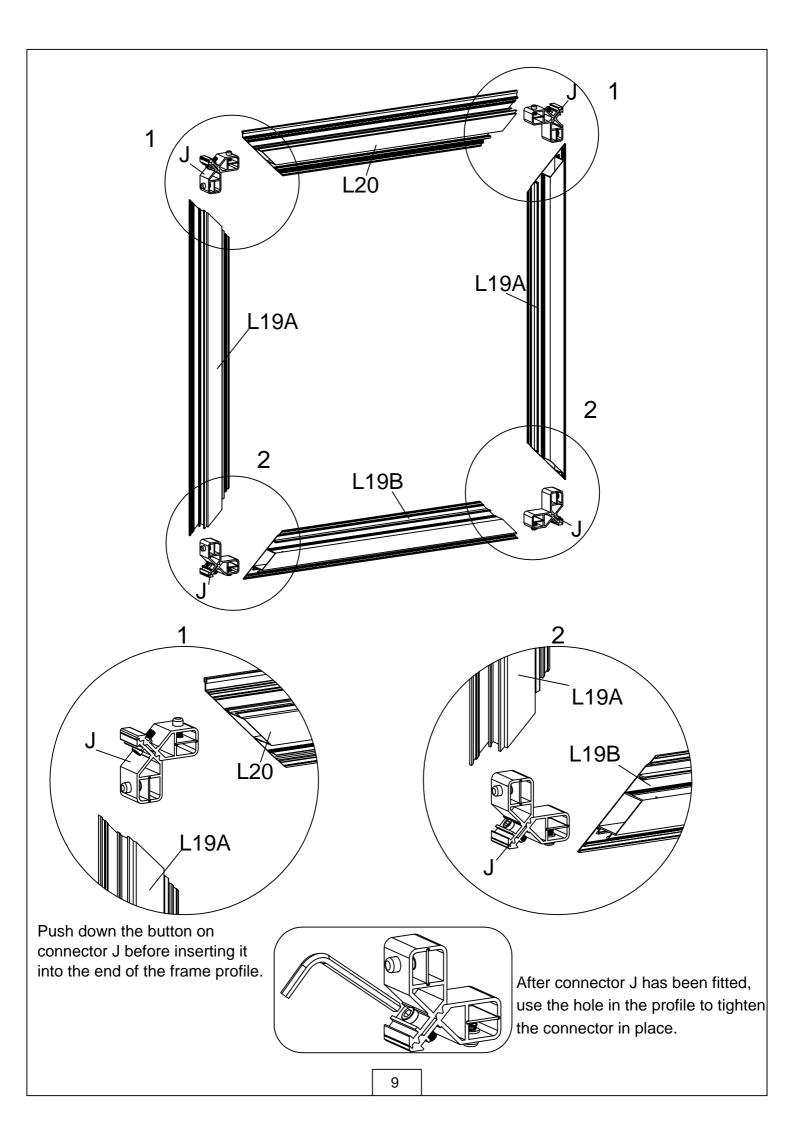


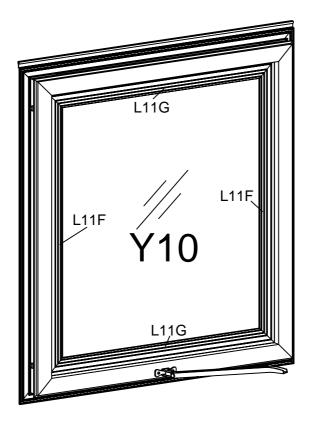


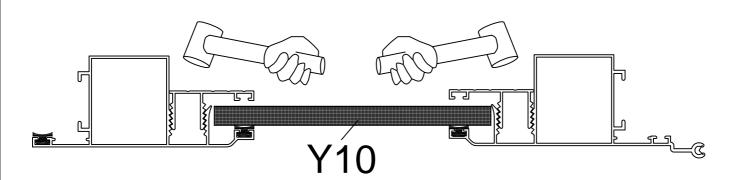
PART	NO	QTY
	L11F	4
-11	L11G	4
7	L15A	2
□止	L19A	4
□.	L19B	2
-J	L20	2
	J	8
	W06	2
	Z03 Ø4X10	4
	Z02 Ø4X14D	4
Ø	Y10	2

Roof Vents Assembly 2PCS

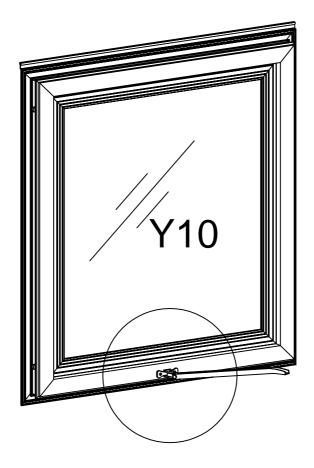


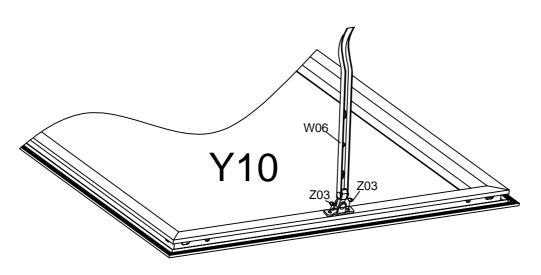




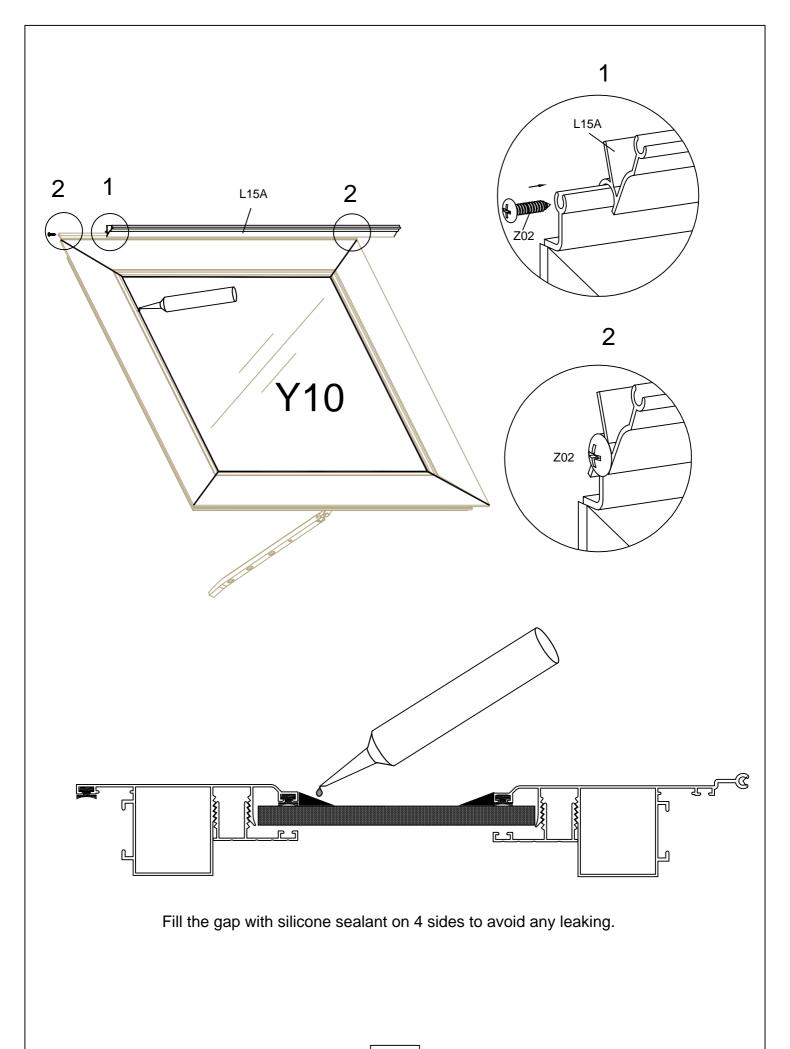


First the glazing panel Y10 should be loosely retained by the bar capping profiles L11F and L11G. Next tap the bar capping gently into position with a rubber mallet.





Fix the W06 vent handles using Z03 screws.



PART	NO	QTY	PART	NO	QTY	PART
C	L13	1		J	8	例
سا	L16A	8	◆ F ◆ ·	D	4	
ul	L16B	8		S02 M8X30	4	
	L17	2	©	M02 M8	4	
	L18A	2	0	Z04 Ø4X40	8	
12-	I 18B	1				-

L18C

L18D L11H

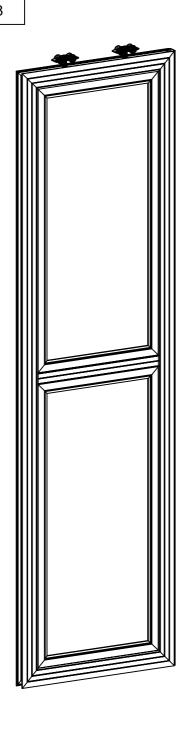
L11J

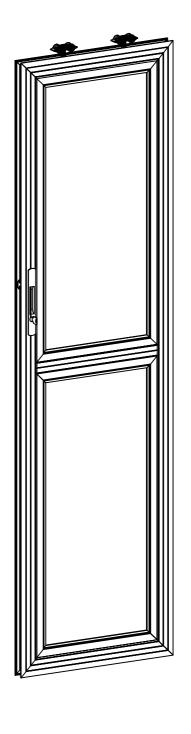
Door Assembly

NO

Y11

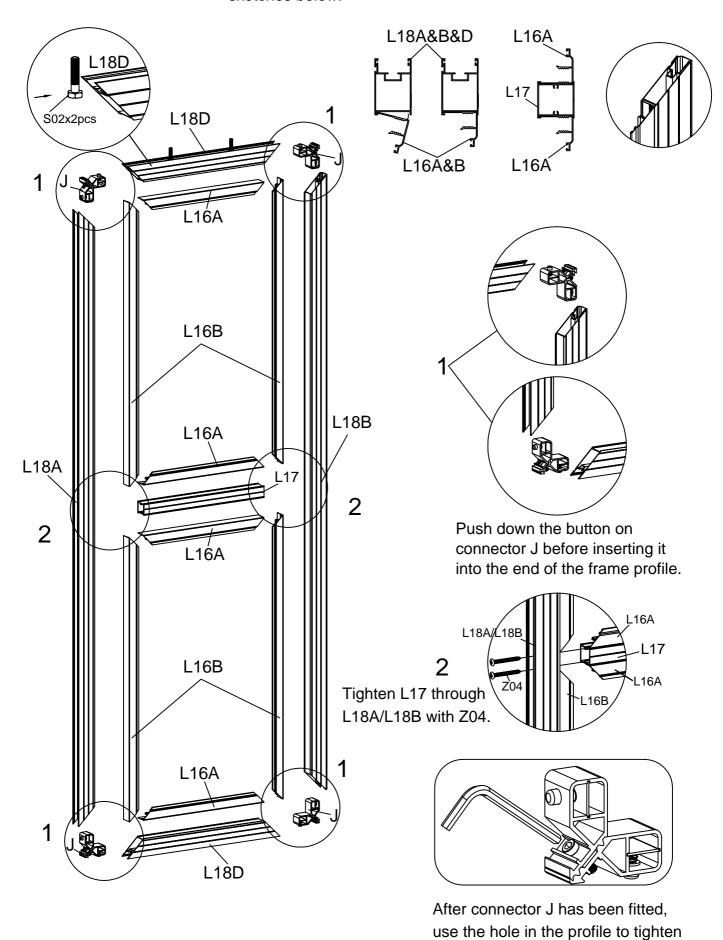
QTY





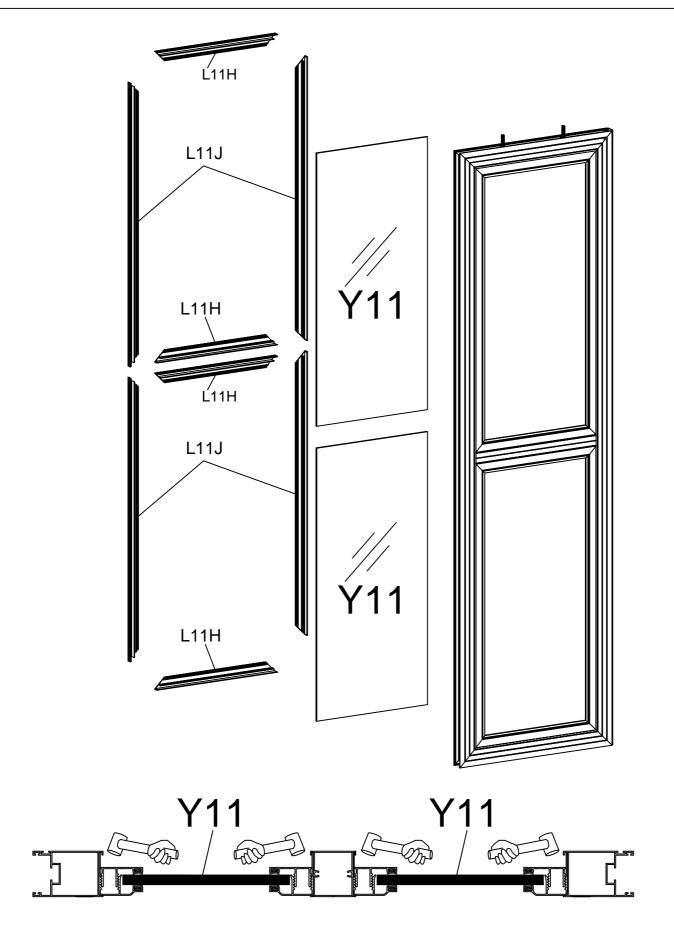


Put L16A into L17 and L18D and put L16B into L18A and L18B, then assemble the door frames using connector J, as shown in the sketches below.

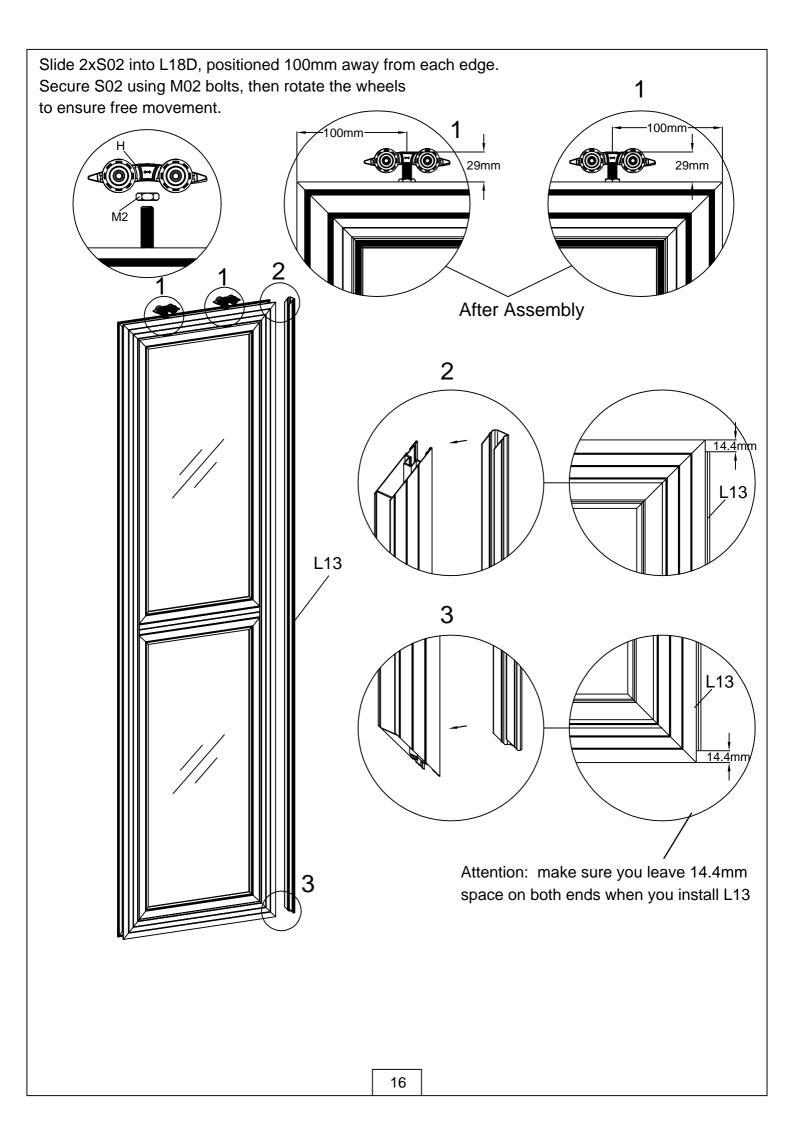


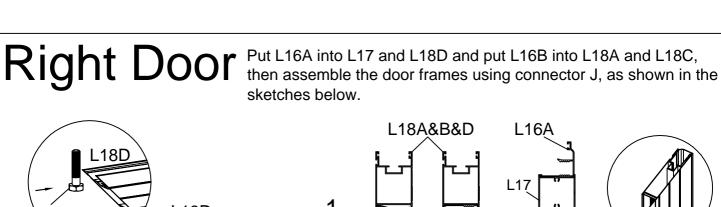
14

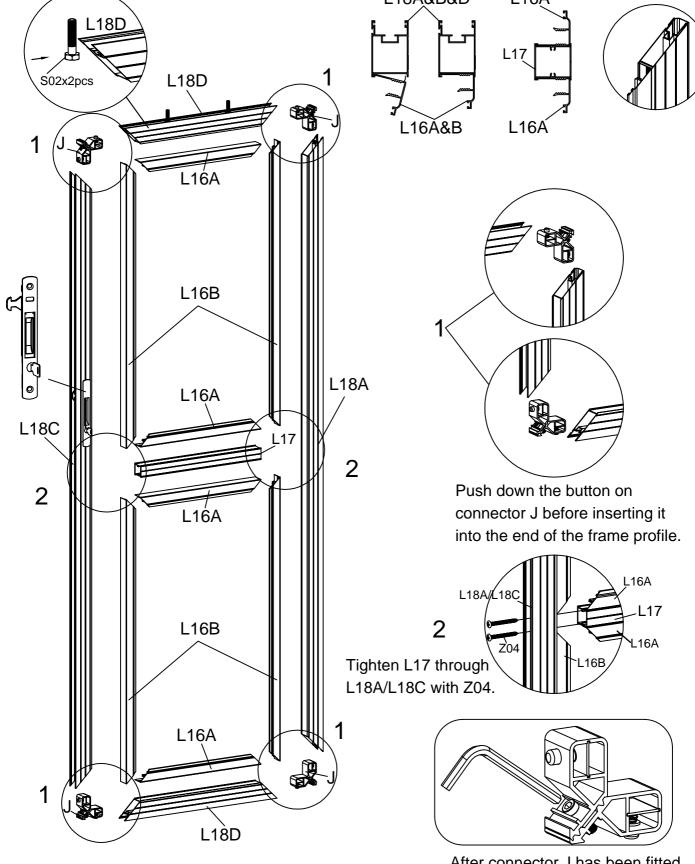
the connector in place.



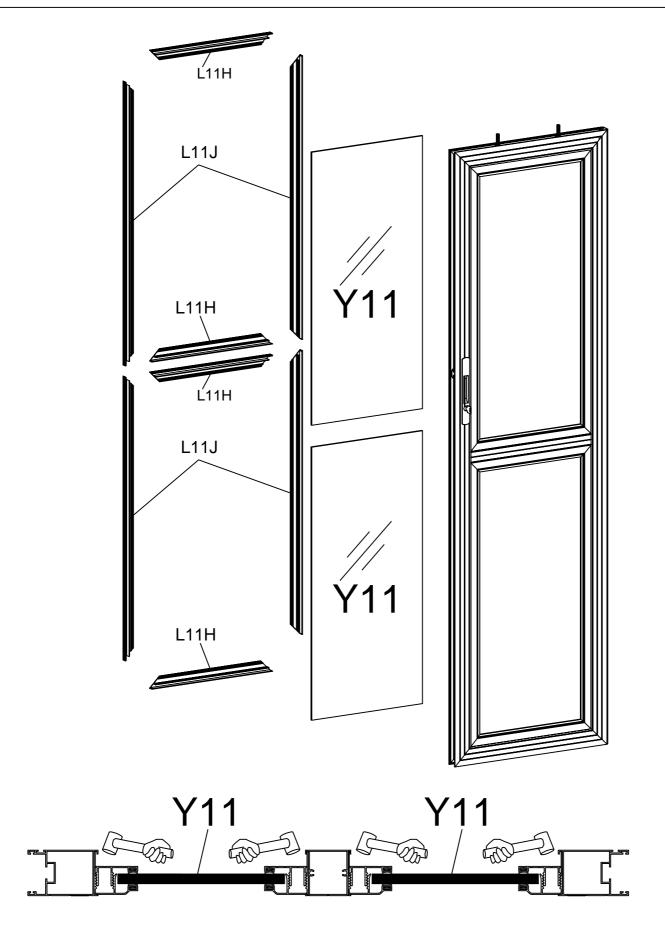
First the glazing panels should be loosely retained by the bar capping profiles L11H and L11J. Next tap the bar capping gently into position with a rubber mallet,



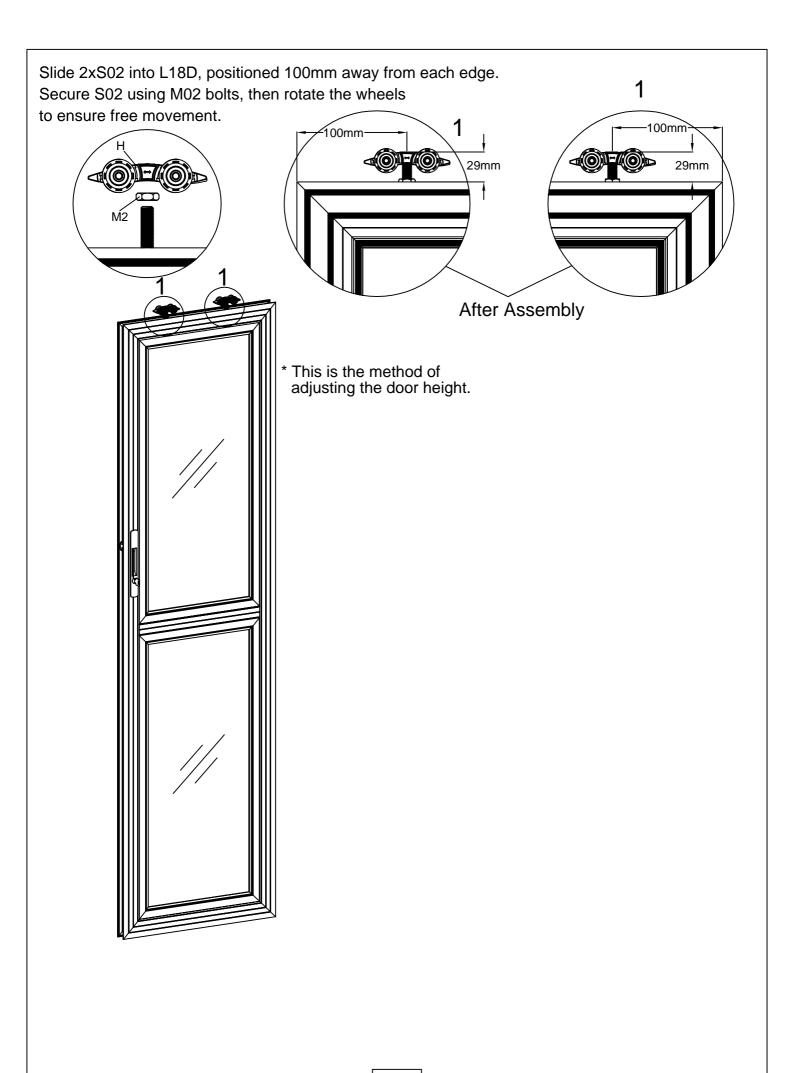


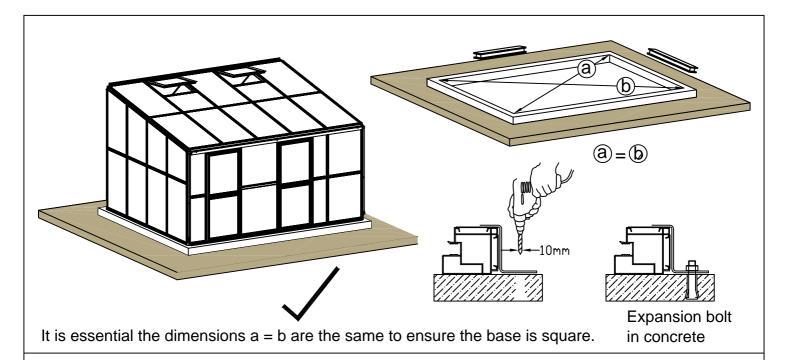


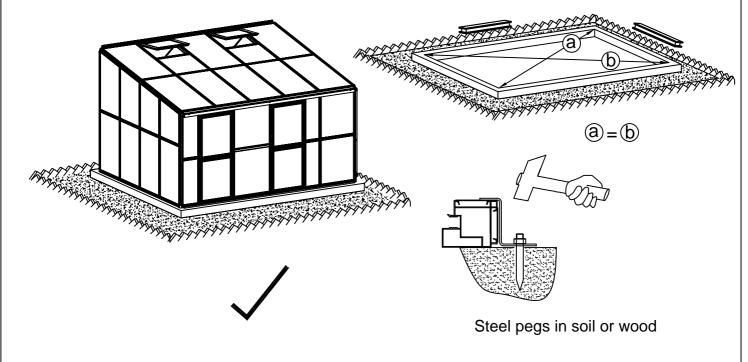
After connector J has been fitted, use the hole in the profile to tighten the connector in place.

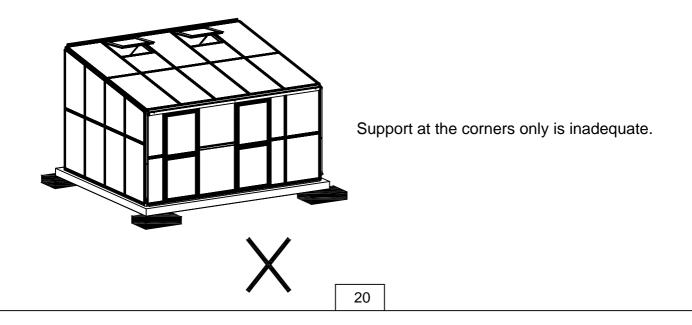


First the glazing panels should be loosely retained by the bar capping profiles L11H and L11J. Next tap the bar capping gently into position with a rubber mallet,



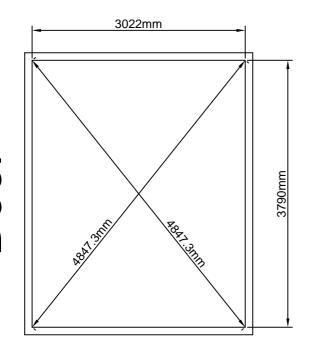


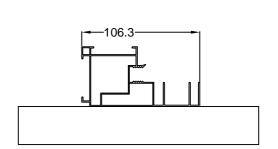




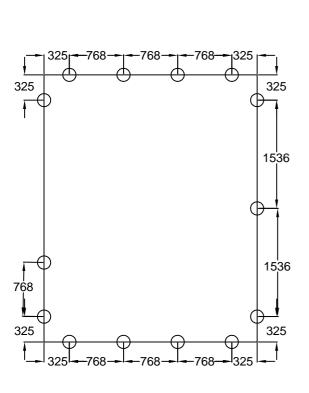
PART	NO	QTY
	W05	14
	S03	4.4
	M8X60	14

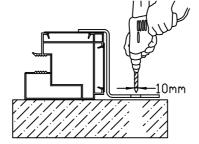
Expansion bolts assembly

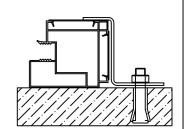




This size is the inner specification of the product,

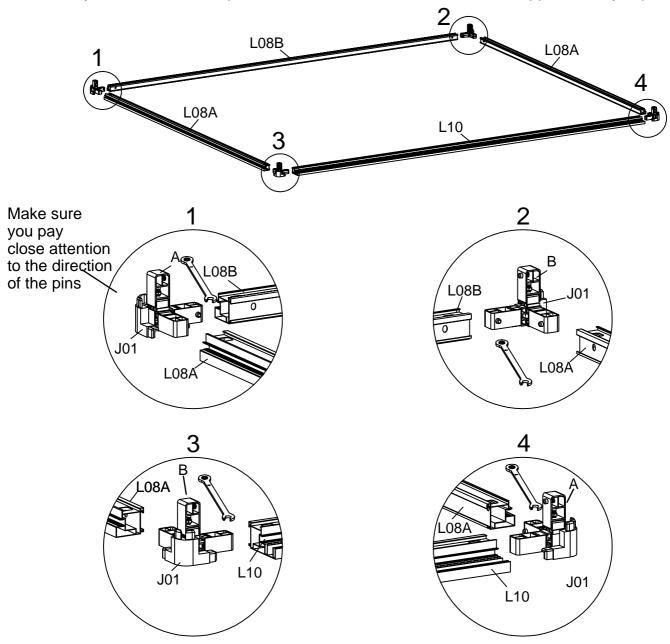




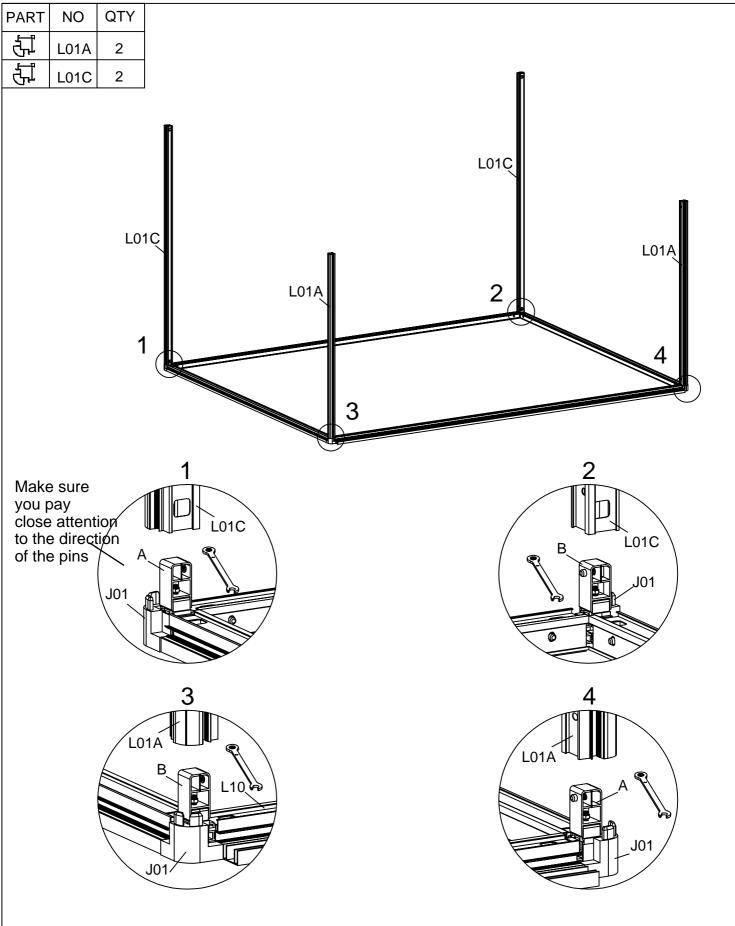


PART	NO	QTY
乜	L08A	2
乜	L08B	1
	L10	1
4	Α	2
	В	2
\$	J01	4

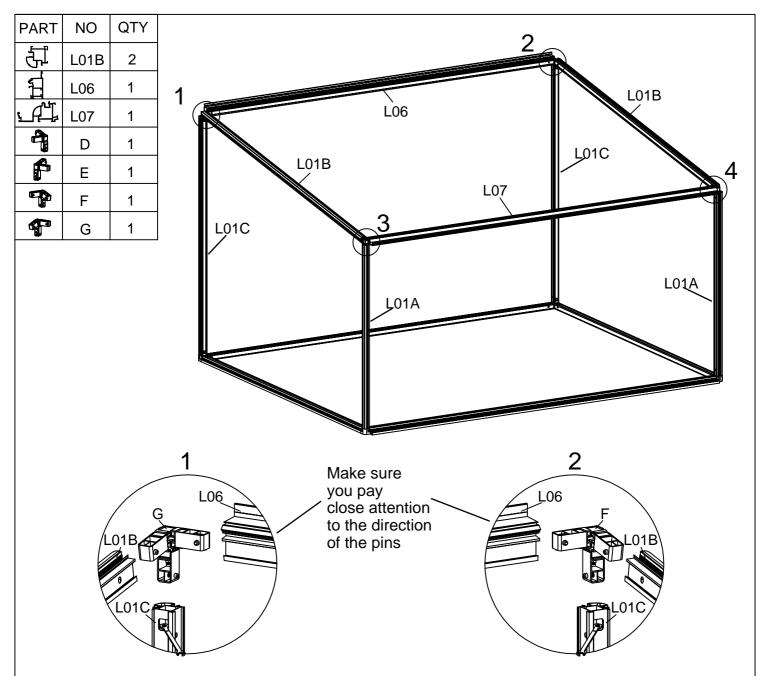
First lay out the aluminium profiles, connectors and anchor brackets approximately in place.



Assemly L08A, L08B and L10 with connecter A and B. Insert connector A/B into L08A/L08B and L10, tight the bolts with the special spanner (provided) when the connector A/B is in the right position. Anchor bracket J01 must be assembled at the same time.



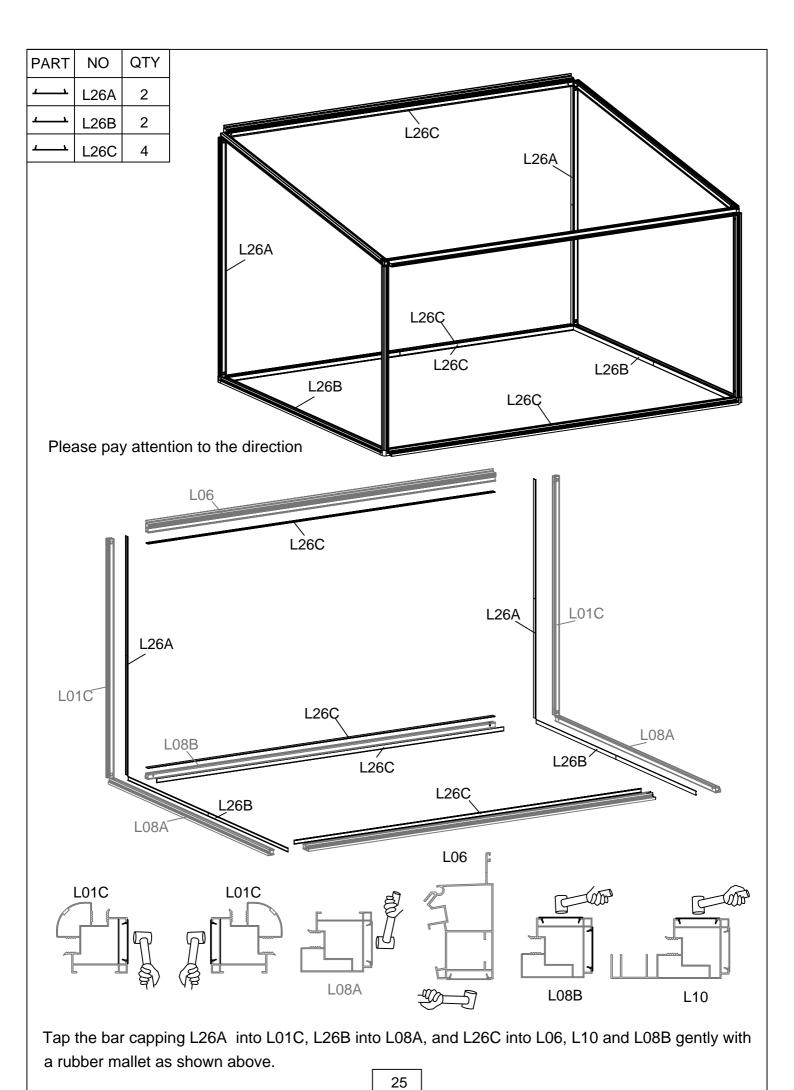
Assembly L01A/L01C with connector A/B,insert connector A/B into L01A/L01C, tight the bolts with the special spanner when they are in the right positions.

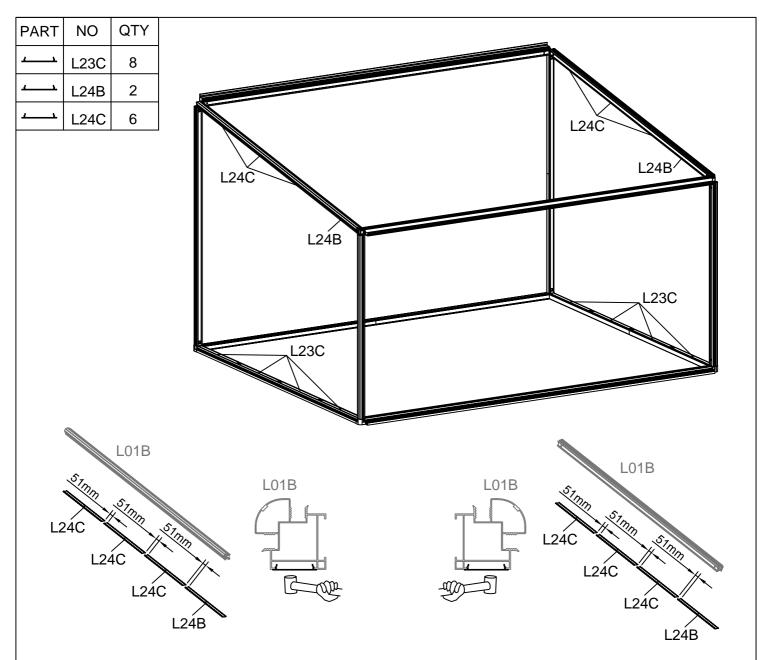


Install L01B and L06 using connector G/F, insert connector G/F into L01B and L06, tight the bolts with the special spanner when they are in right positions. Then connect them to L01C, using the other end of connector G/F, tight the bolts when they are in right positions.

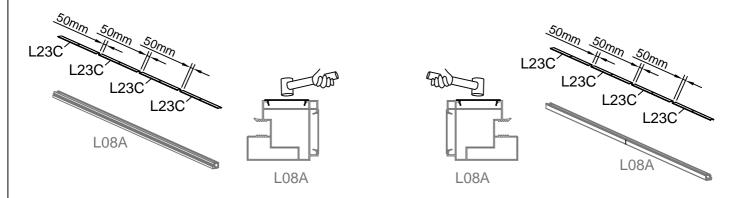


Install L01B and L07 using connector D/E, insert connector D/E into L01B and L07, tight the bolts with the special spanner when they are in right positions. Then connect them to L01A, using the other end of connector D/E, tight the bolts when they are in right positions.

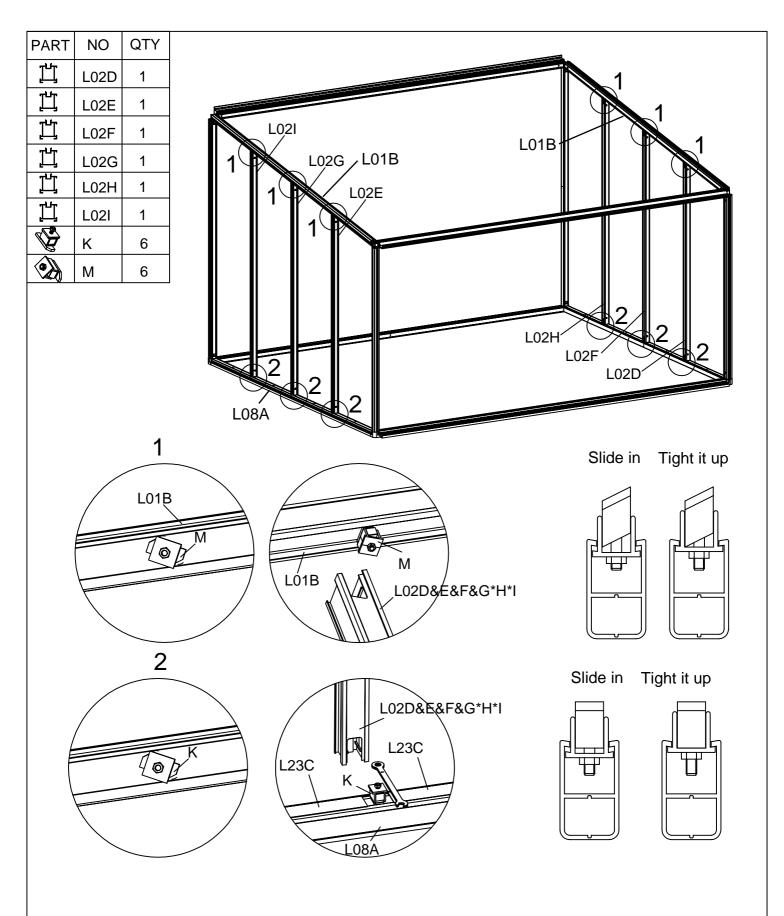




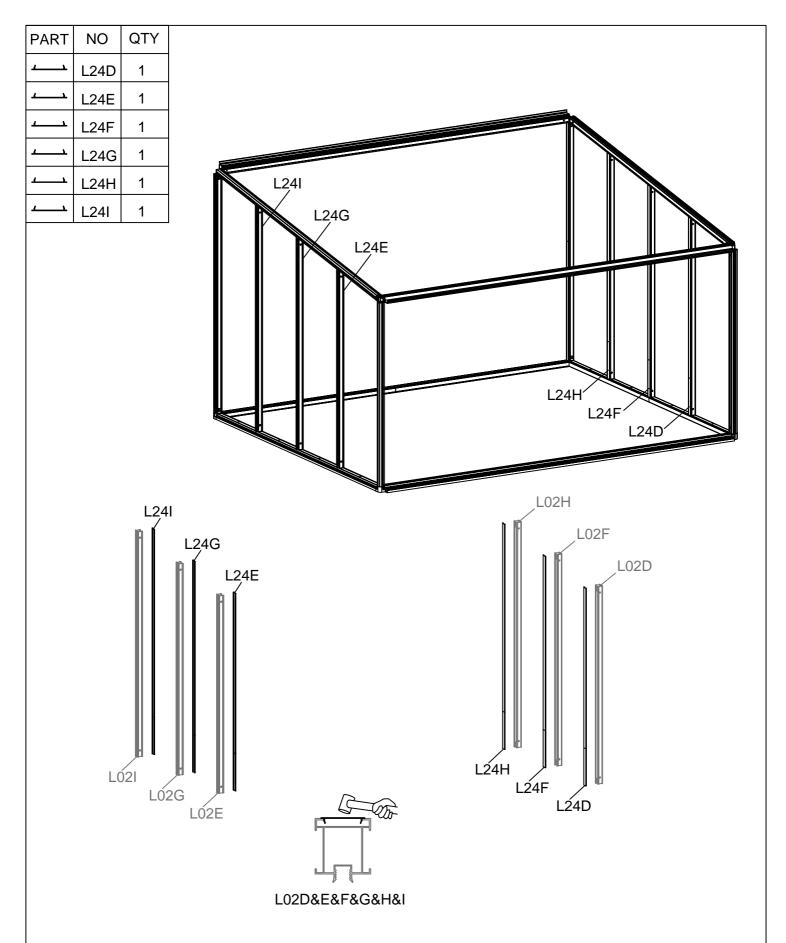
Tap the bar capping L24C/L24B into L01B gently with a rubber mallet. Make sure you leave 51mm between each two L24C or L24C and L24B in the middle for later assembly.



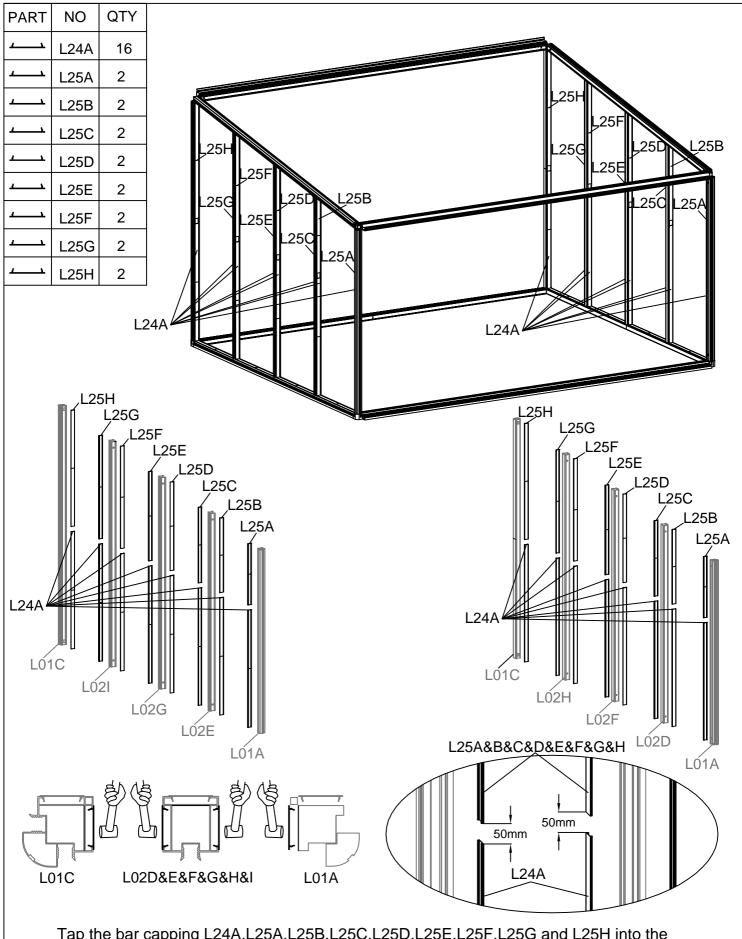
Tap the bar capping L23C into L08A gently with a rubber mallet. Make sure you leave 50mm between each two L23C in the middle for later assembly.



Put connector K into the slot of L08A and M into the slot of L01B, turn their direction until they go into the holes on L02D/L02E/L02F/L02G/L02H/L02I. Tight the bolts in the connector K and M with the spanner. Pay attention to the direction on the spanner.

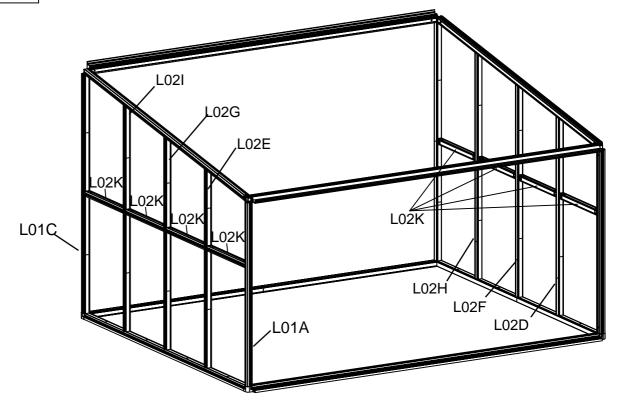


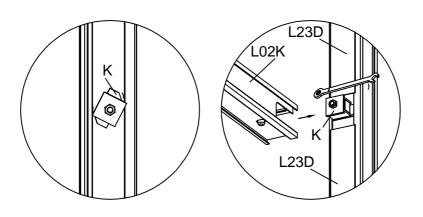
Tap the bar capping L24D into L02D,L24E into L02E, L24F into L02F, L24G into L02G, L24H into L02H and L24I into L02I gently with a rubber mallet.



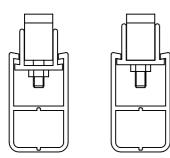
Tap the bar capping L24A,L25A,L25B,L25C,L25D,L25E,L25F,L25G and L25H into the corresponding aluminium profiles gently with a rubber mallet as above shown. Make sure you leave 50mm between the L24A and L25A/L25B/L25C/L25D/L25E/L25F/L25G/L25H in the middle,for later assembly of L02K. Do the same on the other sides.

PART	NO	QTY
囗	L02K	8
	K	16

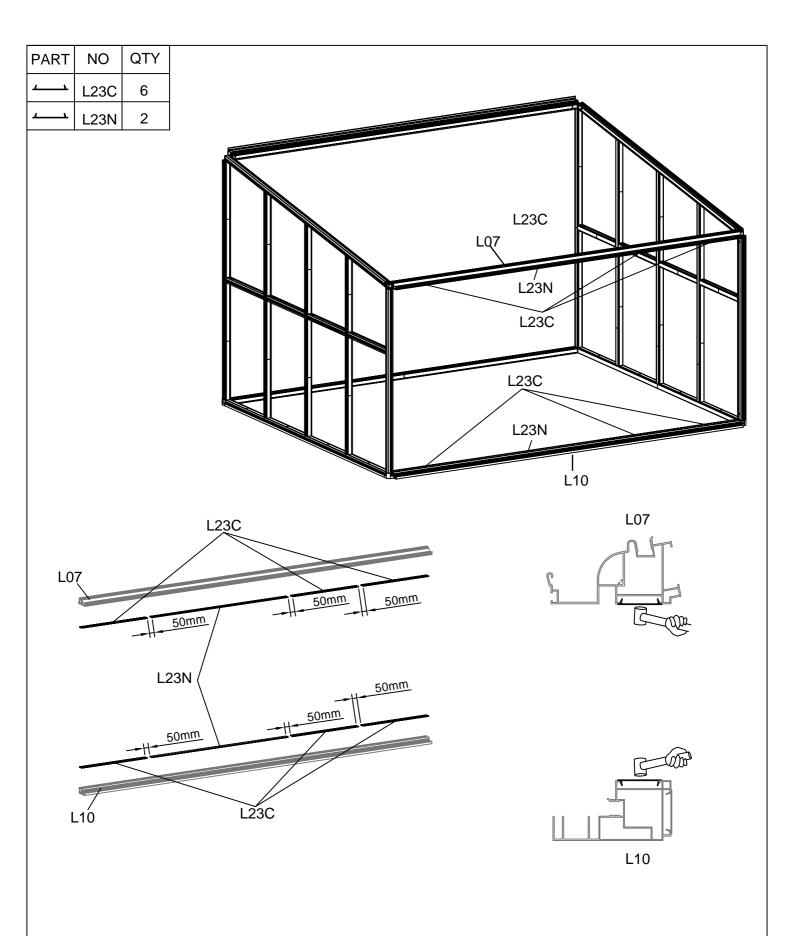




Slide in Tight it up

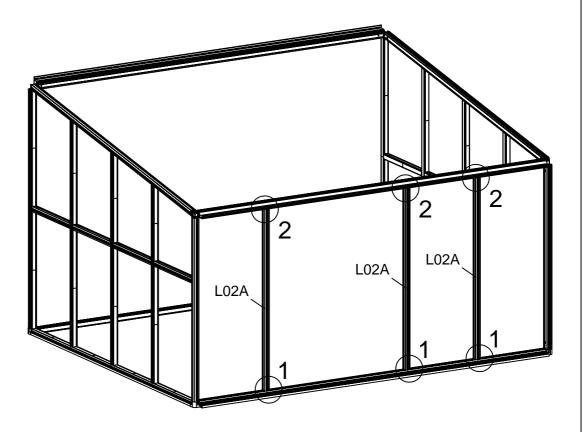


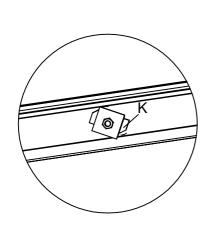
Put connector K into the slot of L01A,L01C,L02D,L02E,L02F, L02G,L02H and L02I, turn their direction until they go into the holes on L02K. Tight the bolts in the connector K with the spanner.

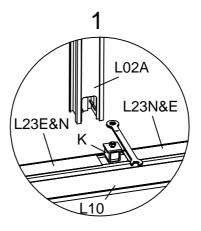


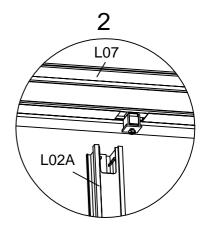
Tap the bar capping L23C and L23N into L10 and L07 gently with a rubber mallet. Make sure you leave 50mm between the two L23C or between L23C and L23N in the middle, for later assembly of L02A.

PART	NO	QTY
Ц	L02A	3
	K	6



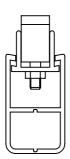


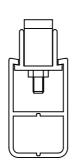




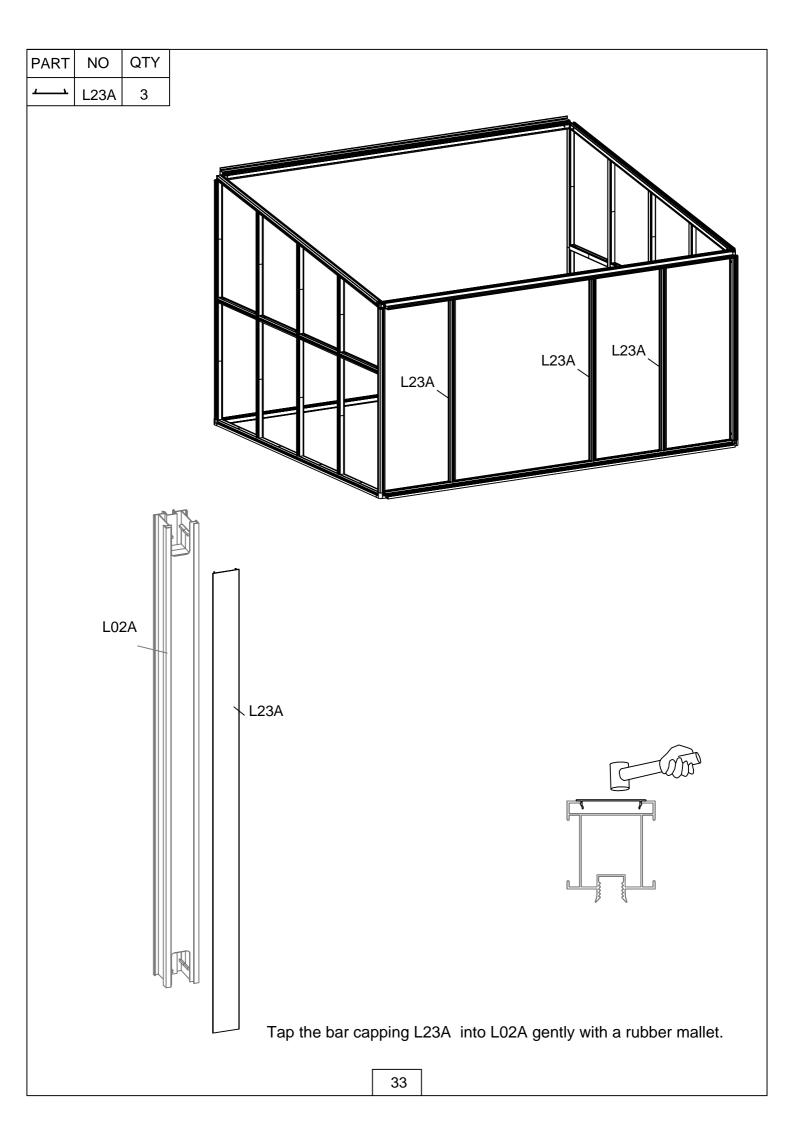
Slide in

Tight it up

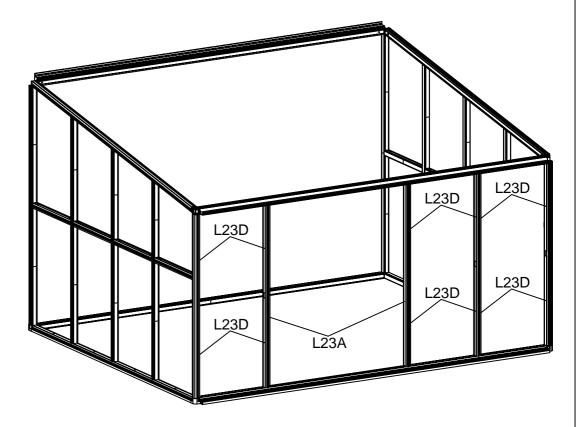


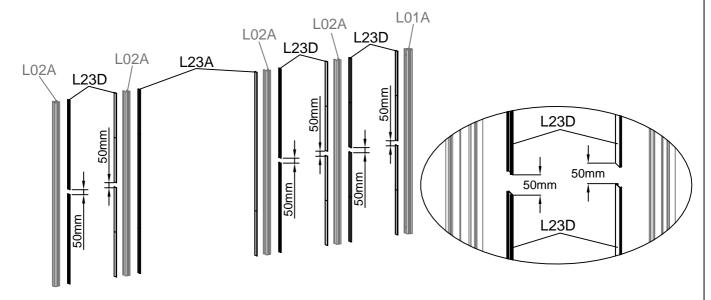


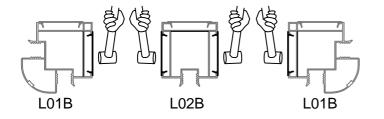
Install L02A (3PCS). Put connector K into the slot of L07 and L10, turn its direction until it goes into the hole on L02A. Tight the bolt in the connector K with the spanner.



PART	NO	QTY
	L23A	2
	L23D	12

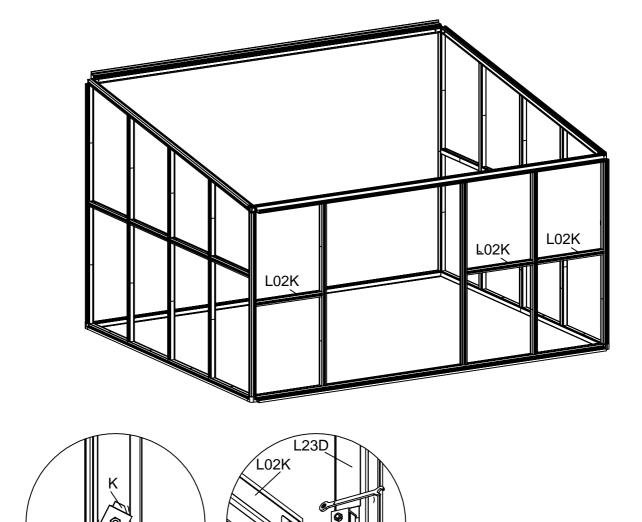


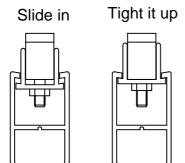




Tap the bar capping L23A and L23D into L01A and L02A gently with a rubber mallet. Make sure you leave 50mm between the two L23D in the middle, for later assembly of L02K.

PART	NO	QTY
Ц	L02K	3
	K	6

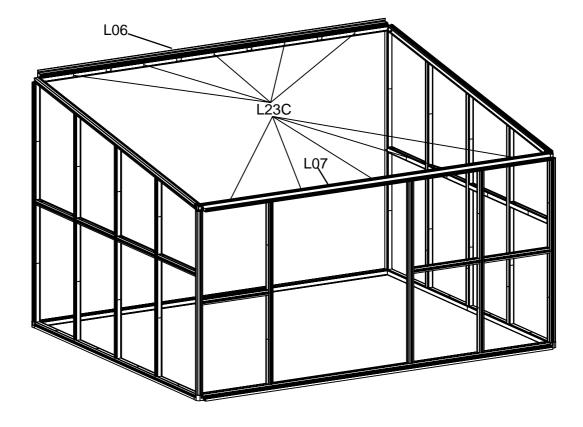


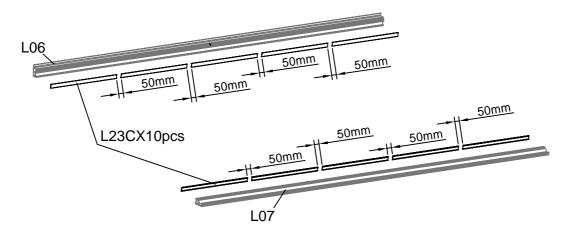


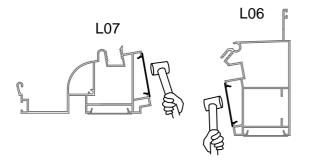
Put connector K into the slot of L01A and L02A, turn its direction until it goes into the hole on L02K. Then, tight the bolt in the connector K with the spanner.

L23D

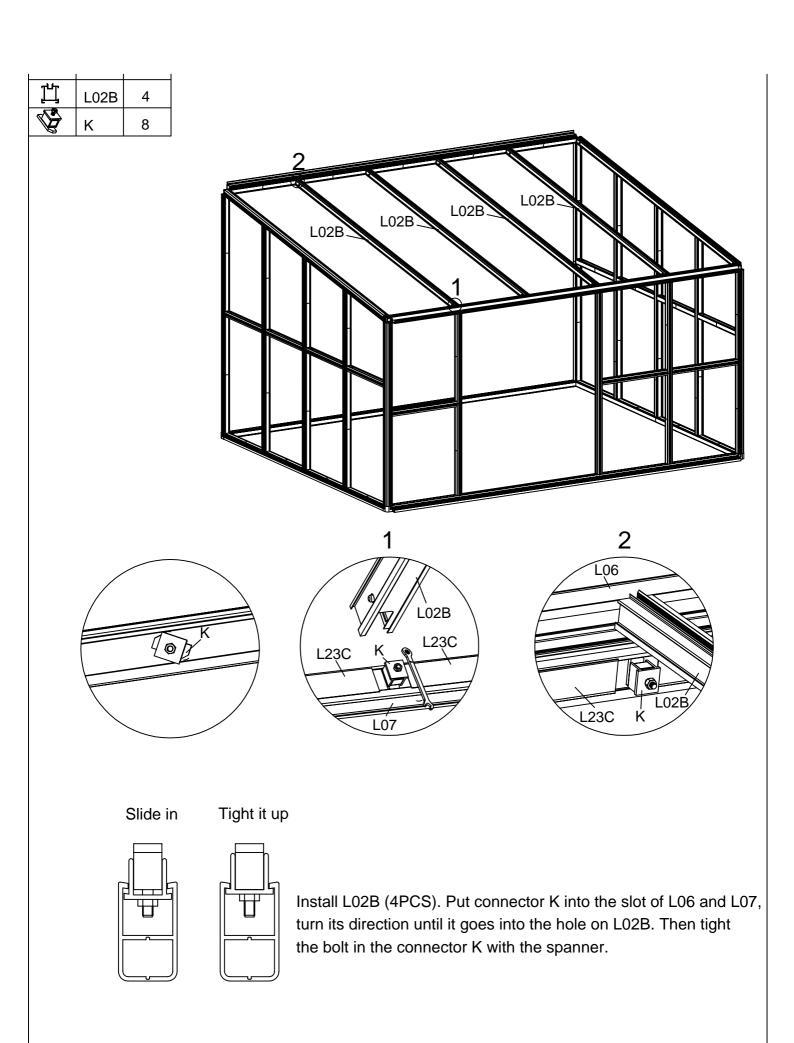
PART	NO	QTY
	L23C	10



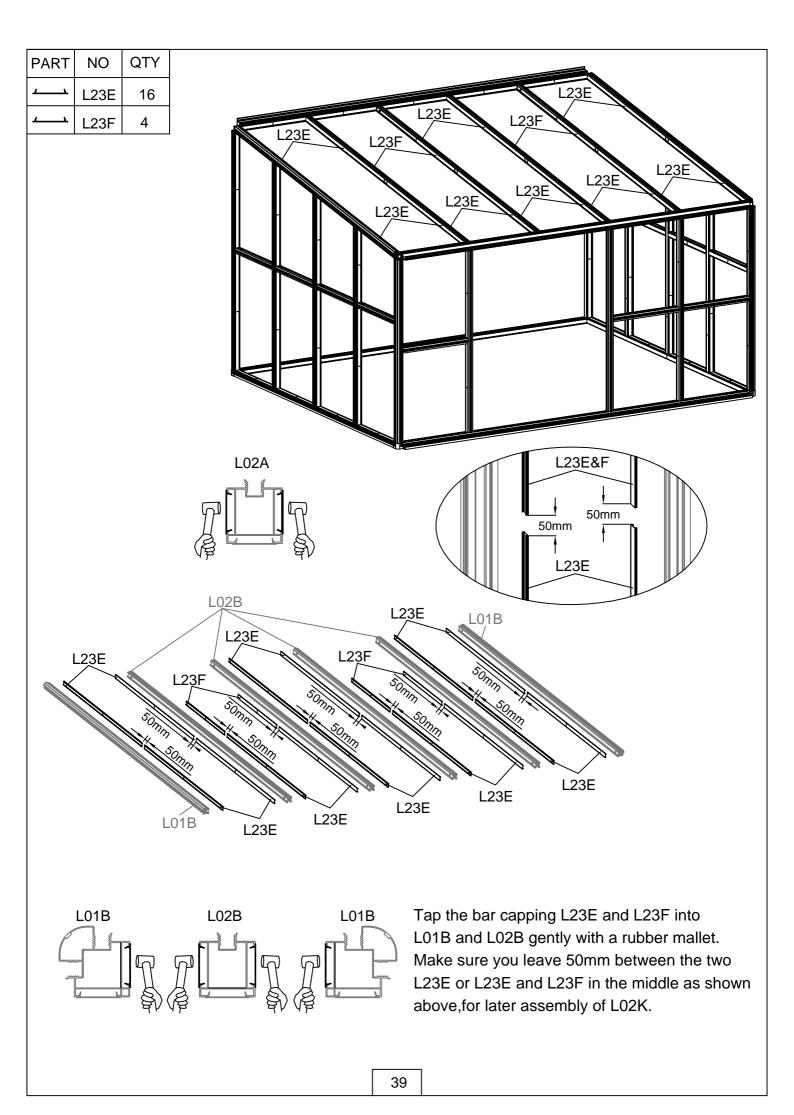




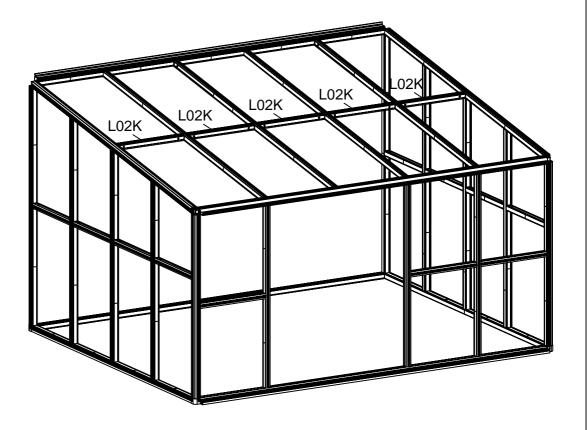
Tap the bar capping L23C(10PCS) into L06 and L07 gently with a rubber mallet. Make sure you leave 50mm between the two L23C in the middle, for later assembly of L02B.

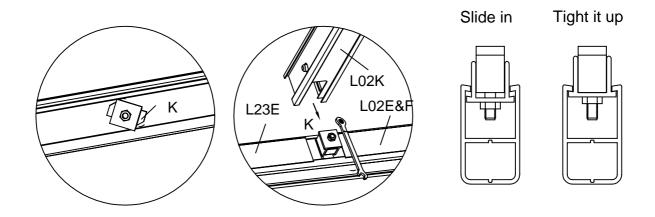


PART NO	QTY	
L23B	4	
		L23B L23B L23B
		L02B L23B
		Tap the bar capping L23B into L02B gently with a rubber mallet.
		38



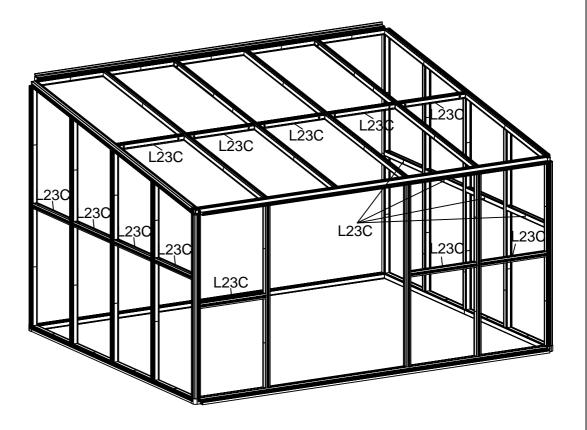
PART	NO	QTY
ĽЦ	L02K	5
	K	10

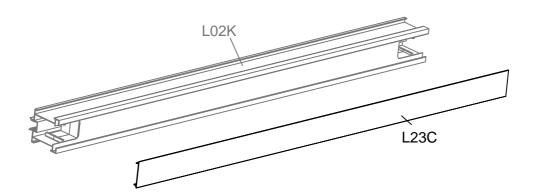




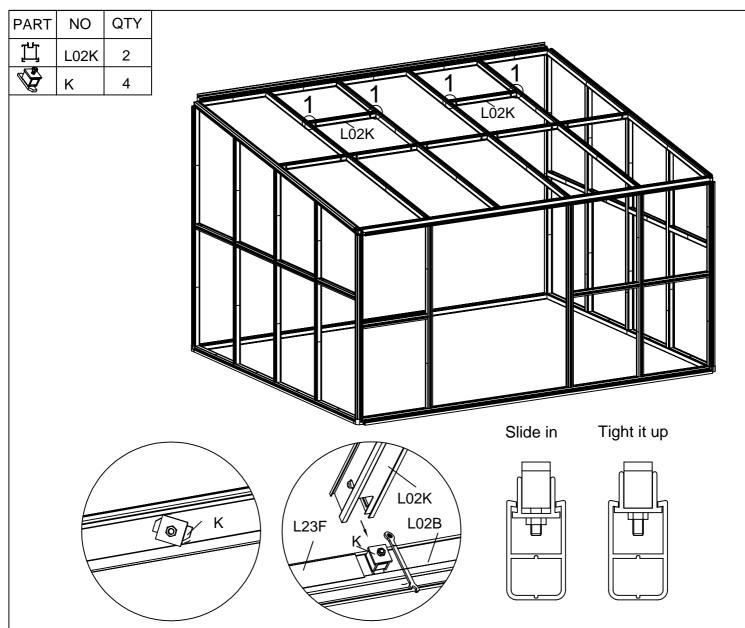
Assembly L02K. Put connector K into the slot of L01B and L02B, turn its direction until it goes into the hole on L02K. Then tight the bolt in the connector K with the spanner.

PART	NO	QTY
	L23C	16

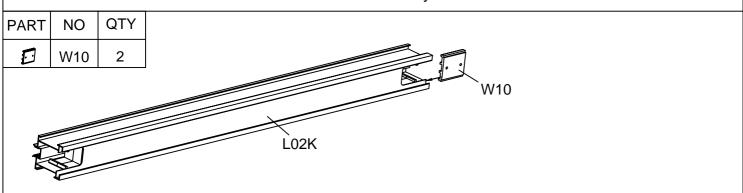




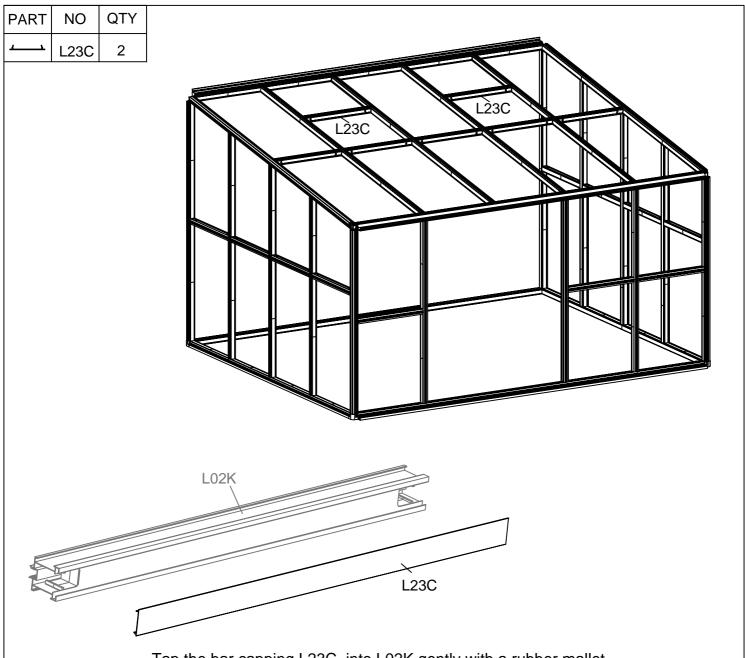
Tap the bar capping L23C into the corresponding aluminium profiles gently with a rubber mallet as shown above.



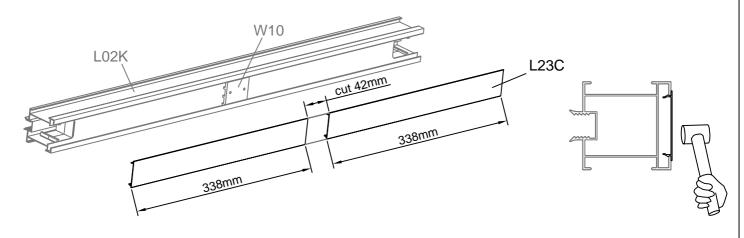
Assembly L02K. Put connector K into the slot of L02B, turn its direction until it goes into the hole on L02K. Then tight the bolt in the connector K with the spanner. Make sure L02K must connect to L23F closely.



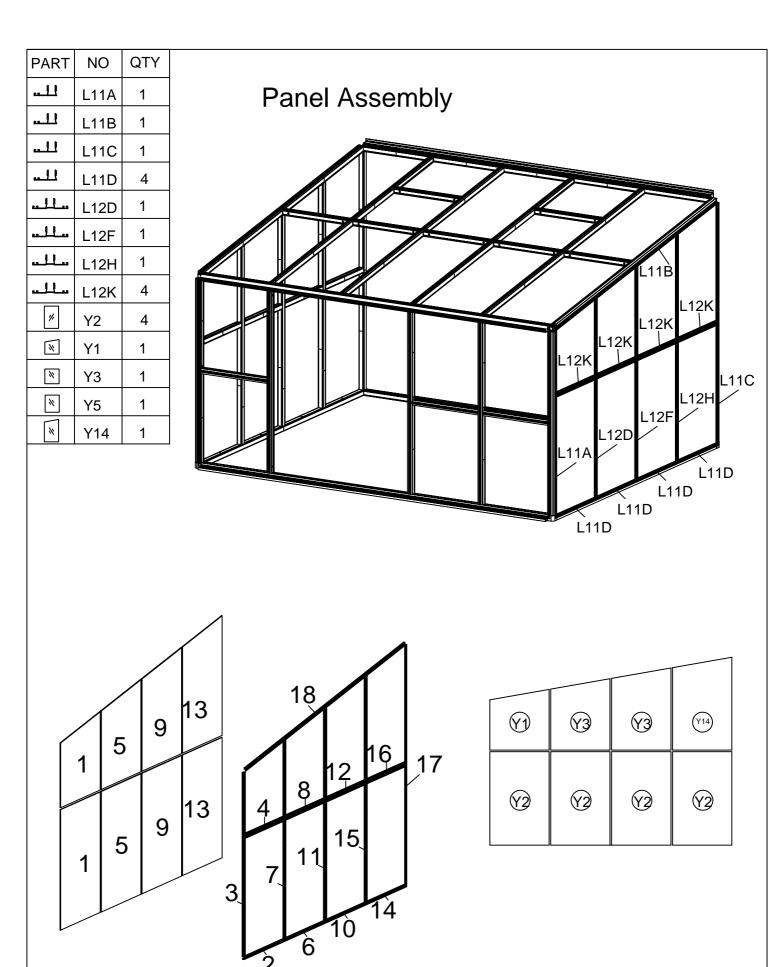
Attention: If you install automatic openers, make sure you slide W10 into L02K before you install L02K.



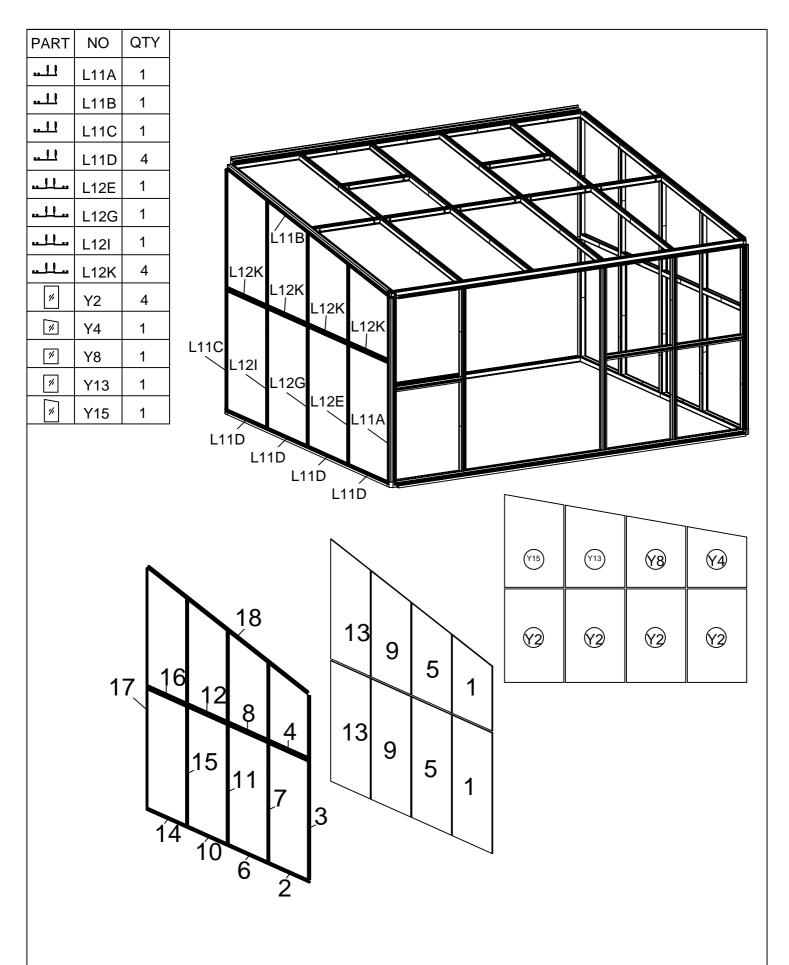
Tap the bar capping L23C into L02K gently with a rubber mallet.



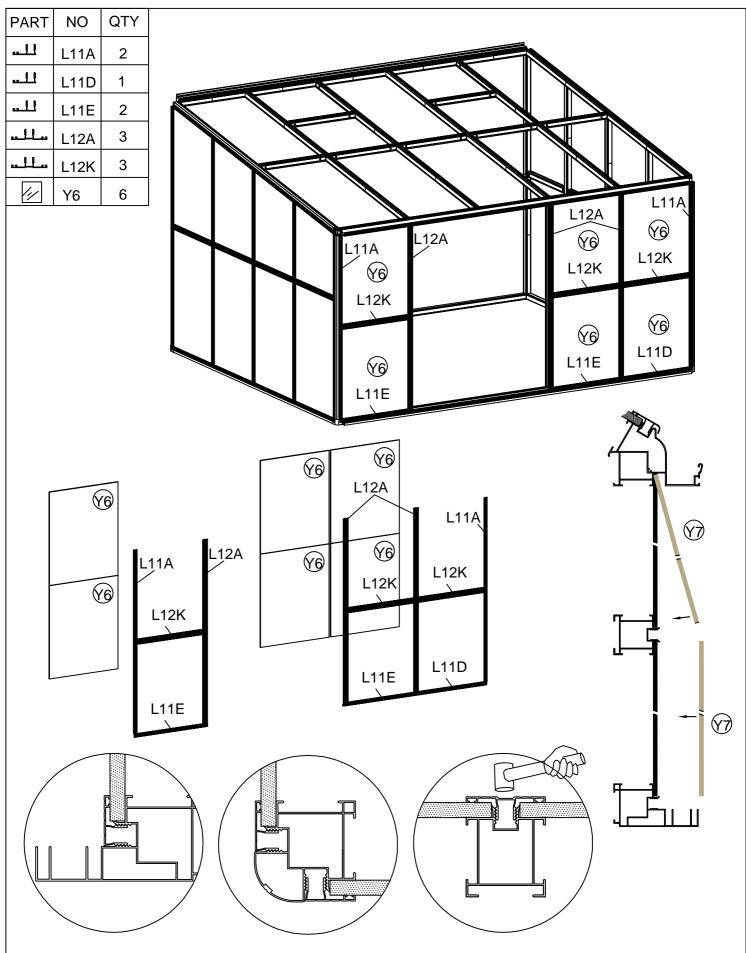
Attention: If you install automatic openers, please cut L23C into 2pcs (Length: 338MM/PC) Tap them into L02K gently with the a rubber mallet, and leave 42mm space for W10.



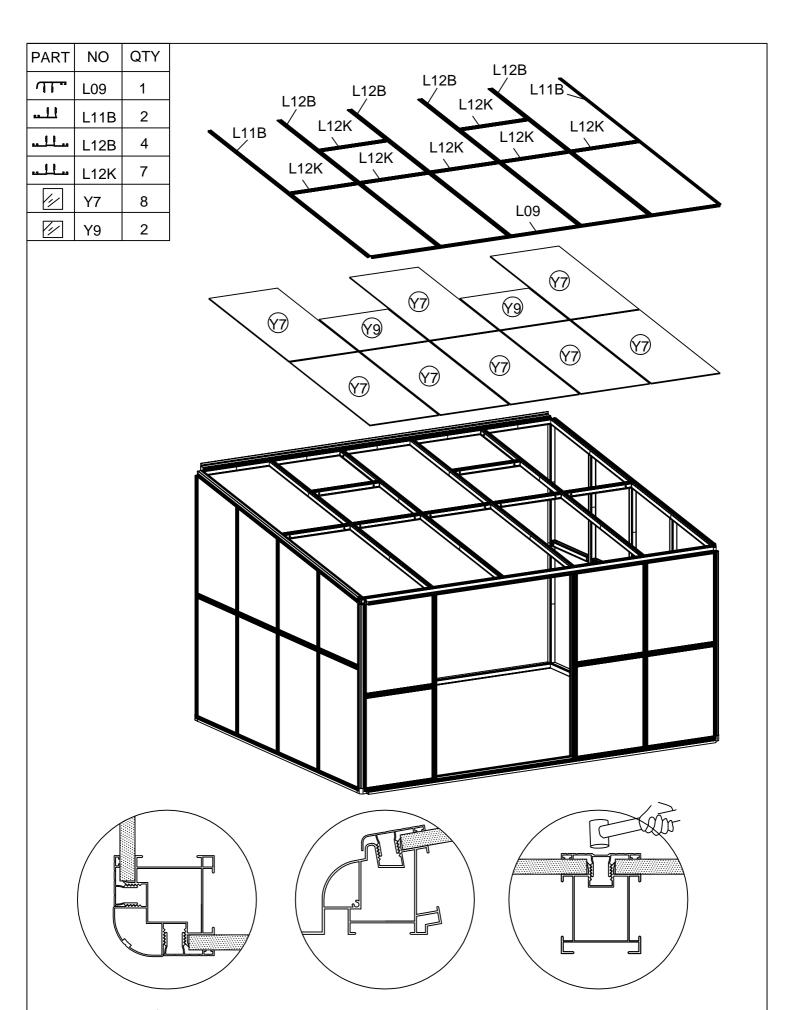
Install the panels and aluminum bar capping in order as shown above, tap these bar capping into the channels of each position properly with a rubber hammer.



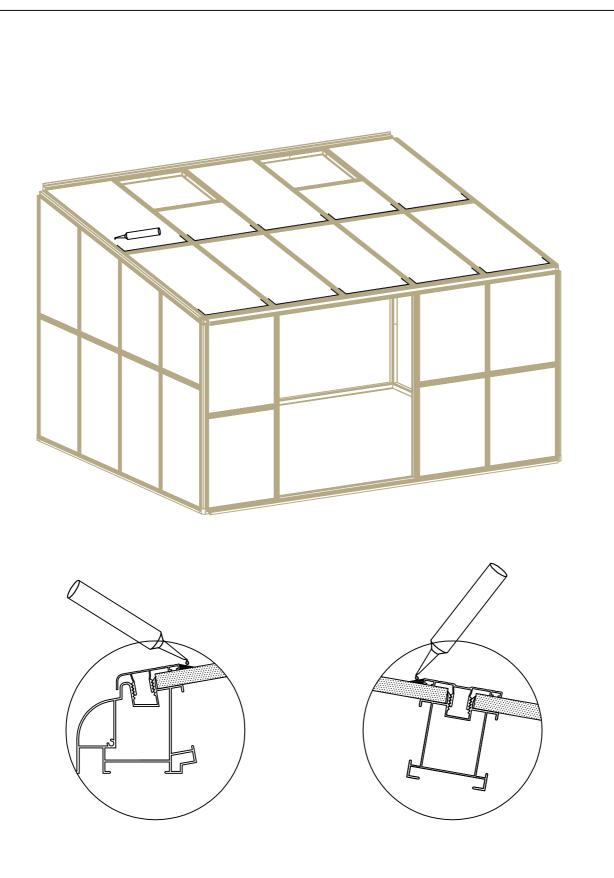
Install the panels and aluminum bar capping in order as shown above, tap these bar capping into the channels of each position properly with a rubber hammer.



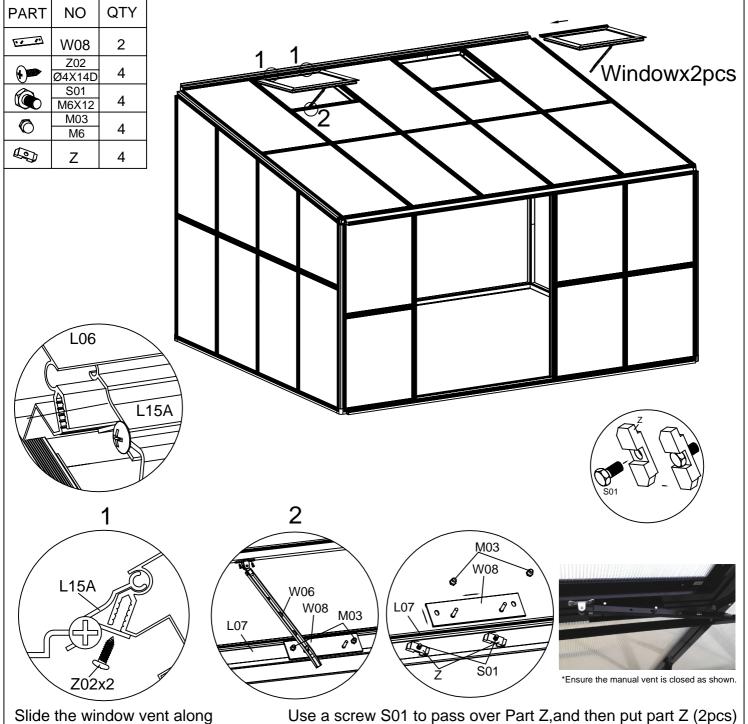
Install the panels and aluminum bar capping in order as shown above, tap these bar capping into the channels of each position properly with a rubber hammer.



Install the roof panels and aluminum bar capping in order as shown above, tap these bar capping into the channels of each position properly with a rubber hammer.

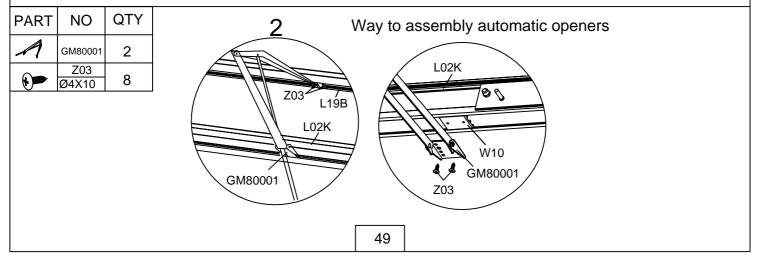


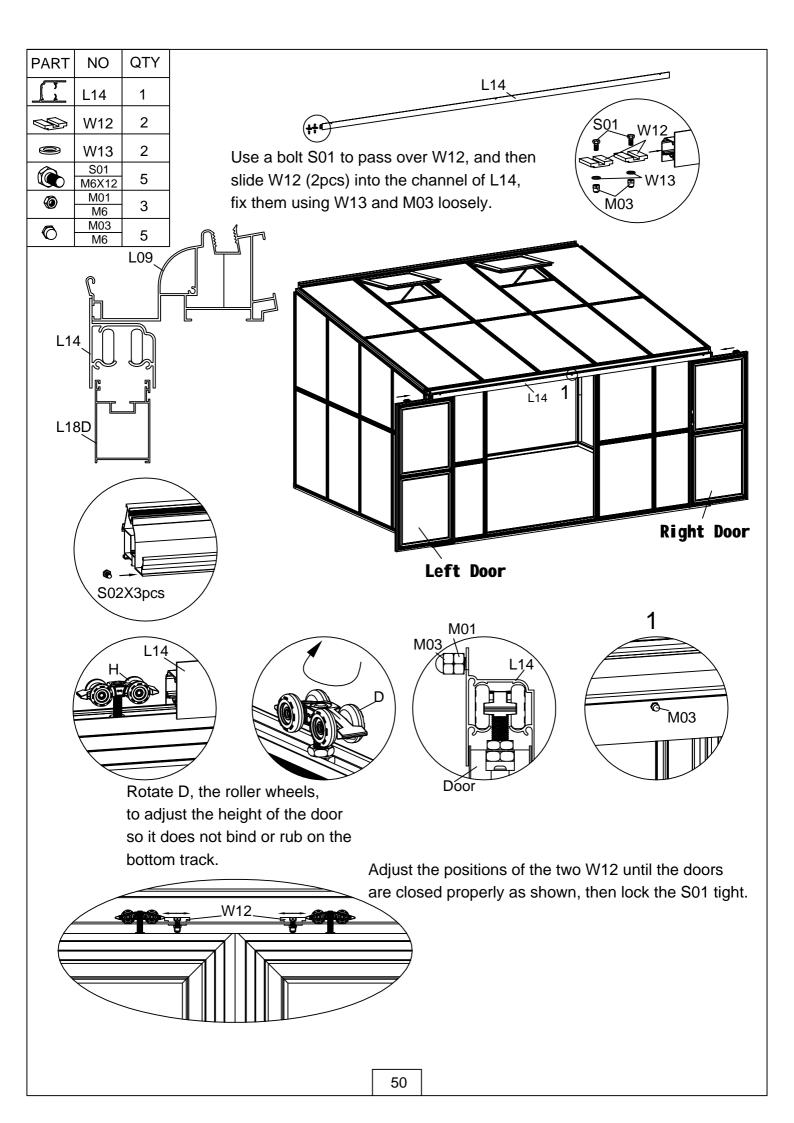
Fill the silicone sealant on the places shown above to avoid any water leaking.



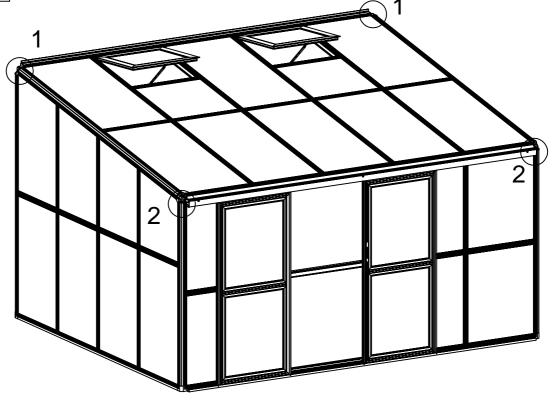
the groove in the L06 and fix it in the correct position using Z02 screws.

Use a screw S01 to pass over Part Z,and then put part Z (2pcs) into the slot of L07, turn its direction until it can fix W08. Adjust the position of W08 until the manual vent can be closed as shown, then lock the S01 tight.

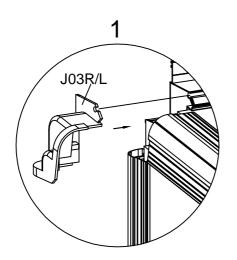


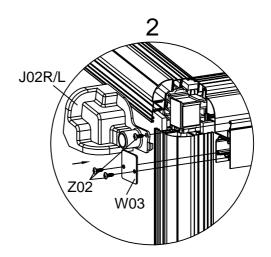


PART	NO	QTY
	J02R/L	1/1
	J03R/L	1/1
(2)	W03	2
•	Z02 Ø4X14D	6

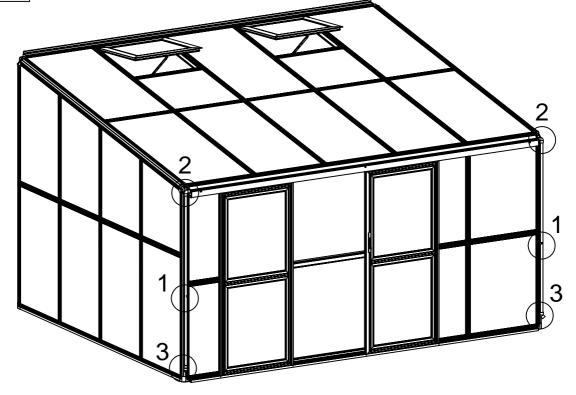


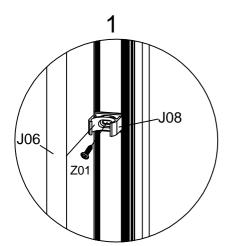
Install the anchor brackets J03R/L and J02R/L using screw Z02.



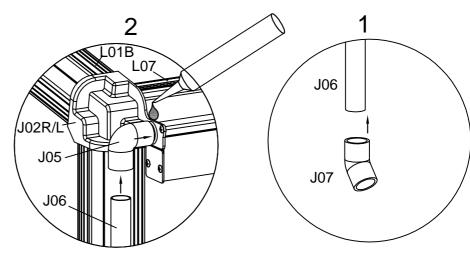


PART	NO	QTY
8	J05	2
	J06	2
	J07	2
	J08	2
E	Z01 Ø4X14	2





Drill a hole in L01A and L01B, approximately 3.2mm diameter and 700mm up from the bottom. Fix the J08 downpipe bracket with Z01 screws and then clip the J06 downpipe into the J08 bracket.



Fill some silicone sealant around J02, J07 and J06 to avoid water leaking.

Fill some silicone sealant around the downpipe bends to avoid water leaking.