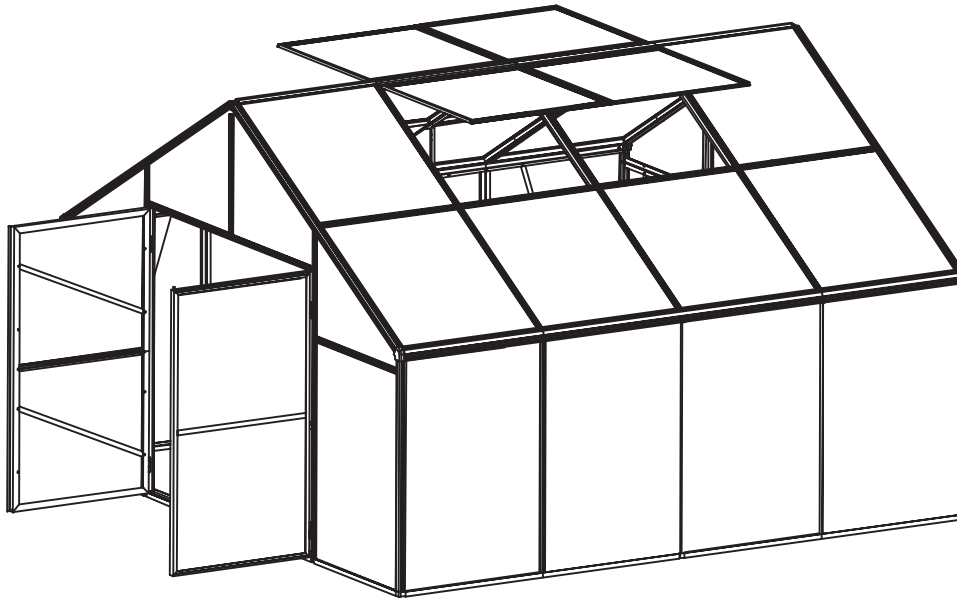


GROW MORE Greenhouses

Assembly Instructions



MODEL: GM13D

GREENHOUSE SIZE: 13' 3 7/8"L x 13' 3 7/8"W x 8' 11 1/2"H
406cm L x 406cm W x 273cm H

EXTENSION SIZE: 6' 6 3/4"L x 13' 3 7/8"W x 8' 11 1/2"H
200cm L x 406cm W x 273cm H

PLEASE READ INSTRUCTIONS CAREFULLY BEFORE ASSEMBLY

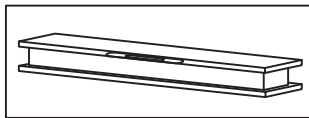
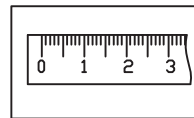
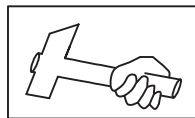
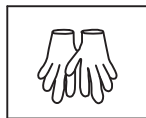
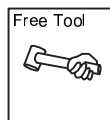
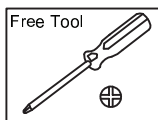
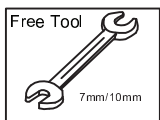
Item No.	Model No.	Packing List				
		AL No.1	AL No.2	AL No.3	PC No.1	PC No.2
2533210	GM13D	1CTN <input type="checkbox"/>	1CTN <input type="checkbox"/>	1CTN <input type="checkbox"/>	1CTN <input type="checkbox"/>	2CTNS <input type="checkbox"/>
2553250	GM13 ext			1CTN <input type="checkbox"/>		1CTN <input type="checkbox"/>

CONTENTS

1. Assembly Advice	Page 1
2. Product Features	Page 1 - 2
3. Parts List	Page 3 - 6
4. Base Assembly	Page 7 - 10
5. Door Assembly	Page 11 - 13
6. Roof Vent Assembly	Page 14
7. Framework & Panel Assembly	Page 15-32

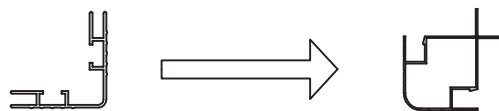
Assembly and Maintenance Advice

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.

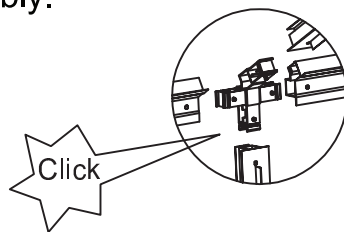


Functions and Features:

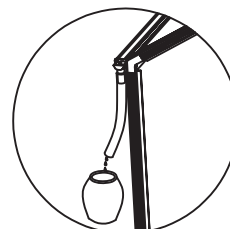
1. Compared with traditional greenhouses this exciting product features many significant improvements. The hollow box profile aluminium framing is much stronger than other greenhouses and it can withstand much greater pressure.



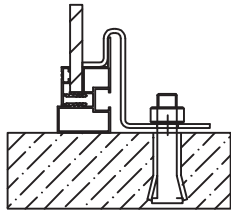
2. Easy and fast assembly.



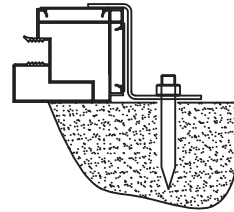
3. The strong two part eaves beam includes an integral gutter. Downpipes are also included as standard so you can collect rainwater.



- The greenhouse can be easily extended at any stage in 2m long sections as detailed in the table of Front Page.
- 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).

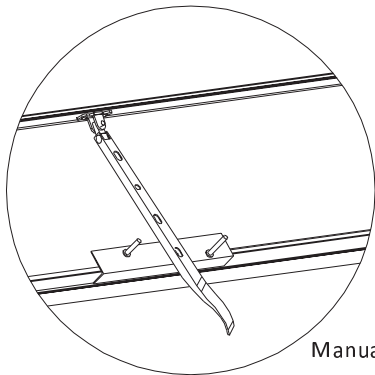


Expansion bolt
in concrete

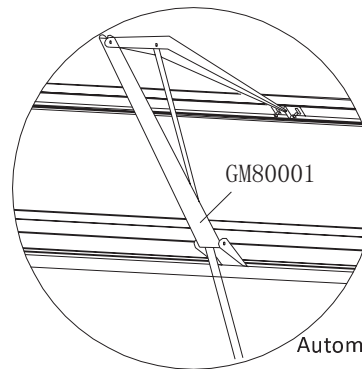


Steel bar/Lawn land

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

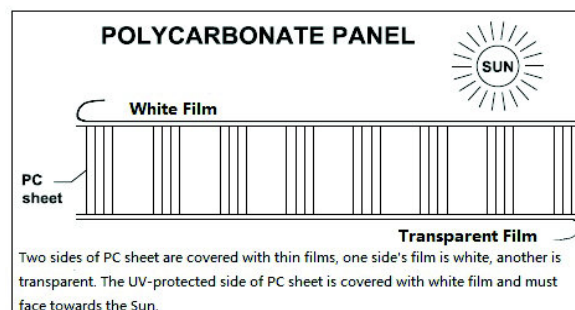


Manual opener



















Automatic opener

- Please ensure the roof vents are not installed into the end roof bays of the greenhouse as this is where you need the bracing.
- Each Polycarbonate Panel comes with UV protected properties. Therefore, please ensure the white film is facing outward towards the sun (remove the film before installing into aluminium channel).

































ALU. Box No.1































Door Assembly

PART	NO.	QTY.
	L18A	4
	L18B	4
	L18C	2
	L18D	2
	L18E	4
	L18F	2
	L16A	2
	L16B	2
	L16C	2
	L17	2
	L05G	8
	L05H	8
	J	24
	S01 M6X10	36
	M01 M6	36
	Z01 φ5X15	48

Front Wall Assembly

PART	NO.	QTY.	PART	NO.	QTY.	PART	NO.	QTY.
	L01D	1		A	1		Z02 φ4X16D	6
	L01B	1		B	1		J03R/L	1/1
	L01C	1		C	2		J04	2
	L01E	1		D	1		J01	1
	L03E	1		E	1		J02R/L	1/1
	L03F	1		F	1		J08	2
	L04A	1		W01	3			
	L04B	2		W04	1			
	L04C	1		S01 M6X10	25			
	L05A	2		M01 M6	25			
	L08A	2		W05	2			
	L08B	1		S03 M8X60	2			




























Back Wall Assembly

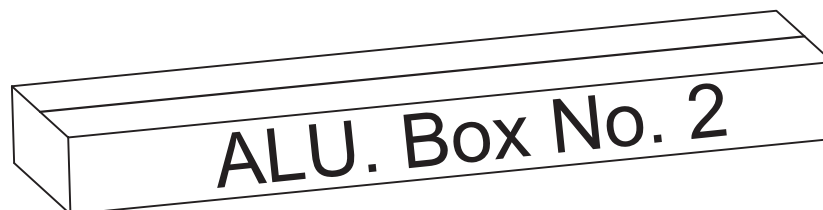
PART	NO.	QTY.	PART	NO.	QTY.	PART	NO.	QTY.
	L01D	1		A	1		Z02 φ4X16D	6
	L01B	1		B	1		J03R/L	1/1
	L01C	1		C	2		J04	2
	L01E	1		D	1		J01	1
	L03E	1		E	1		J02R/L	1/1
	L03F	1		F	1		J08	2
	L04A	1		W01	3			
	L04B	2		W04	1			
	L04C	1		S01 M6X10	25			
	L05A	2		M01 M6	25			
	L08A	2		W05	2			
	L08B	1		S03 M8X60	2			



ALU. Box No.2




























2 Sections Assembly



















PART	NO.	QTY.	PART	NO.	QTY.
	L02A	2		W06	4
	L02B	2		W08	2
	L04B	2		W08A	2
	L05B	2		S01	42
				M6X10	
	L05C	2		S02	4
				M6X16	
	L05D	2		M01	46
				M6	
	L06	1		Z02	12
				φ4X16D	
	L07	2		Z03	6
				φ5X30	
	L08B	2		Z04	8
				φ4X10	
	L09	2		W05	4
	L15A	2		S03	4
				M8X60	
	L19	4			
	L20	2			
	L21	2			
	L04E	2			
	L22	3			

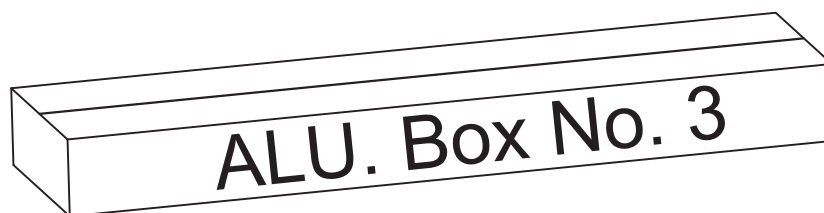


ALU. Box No.3

Middle Sections Assembly



PART	NO.	QTY.	PART	NO.	QTY.
	L02A	2		W06	4
	L02B	2		W08	2
	L04B	2		W08A	2
	L05B	2		S01	42
				M6X10	
	L05C	2		S02	4
				M6X16	
	L05D	2		M01	46
				M6	
	L06	1		Z02	12
				φ4X16D	
	L07	2		Z03	6
				φ5X30	
	L08B	2		Z04	16
				φ4X10	
	L09	2		W05	4
	L15A	2		S03	4
				M8X60	
	L19	4			
	L20	2			
	L21	2			
	L04E	2			
	L22	3			

PART	NO.	QTY.
	L03A	2
	L03B	2
	L03K	2
	L08A	2
	L05E	2
	L05F	4
	W01	2
	G	2
	H	1
	K	2
	M	2
	S01	14
	M01	14
	J04	2
	J05	1
	J06	2
	W05	2
	S03	2








PC Box No. 1






Door Assembly

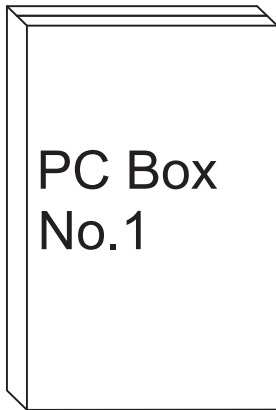
PART	NO.	QTY.
	Y11	4
	Y12	4

Front Wall Assembly

PART	NO.	QTY.
	Y1	1
	Y2	2
	Y4	1
	Y5	1
	Y13	1




Back Wall Assembly

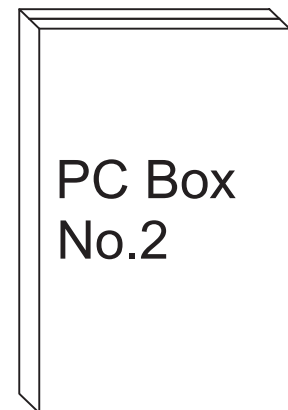
PART	NO.	QTY.
	Y1	1
	Y2	2
	Y4	1
	Y5	1
	Y13	1

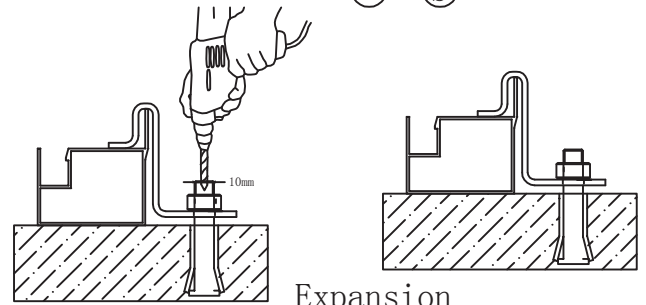
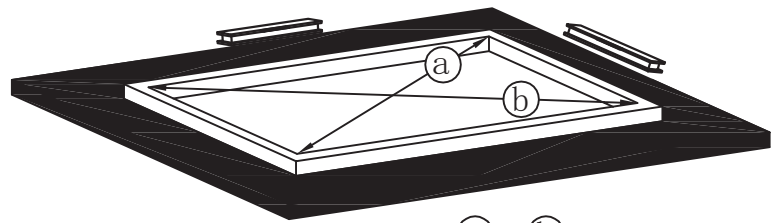
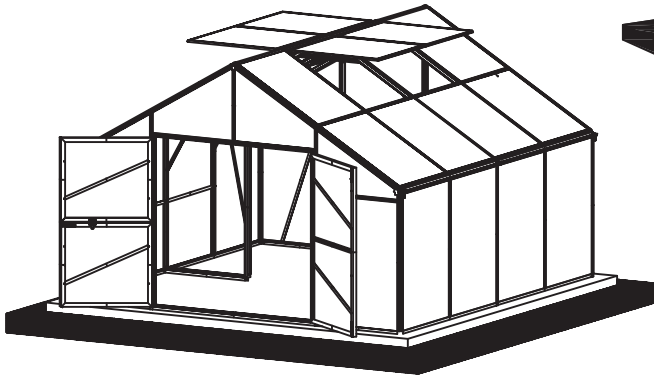


PC Box No. 2

2 Sections Assembly

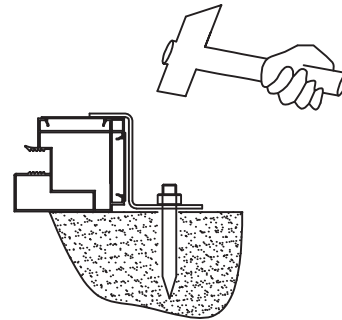
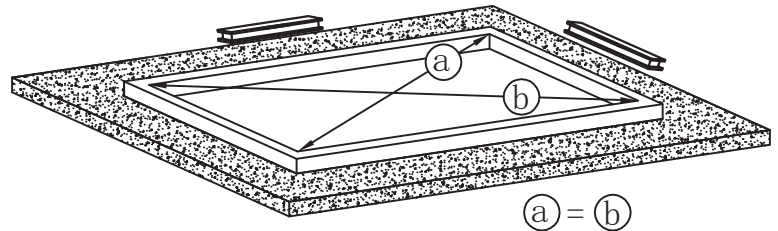
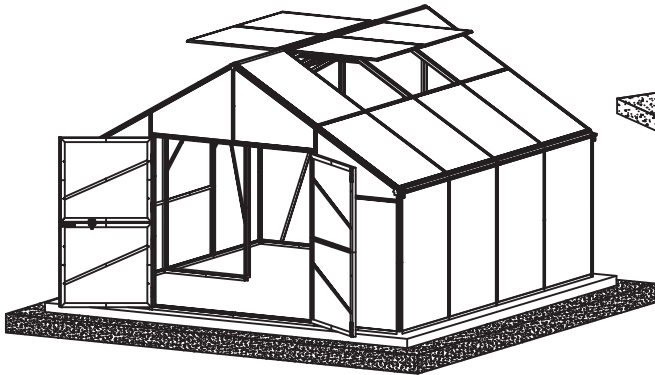
PART	NO.	QTY.
	Y6	4
	Y7	6
	Y10	2



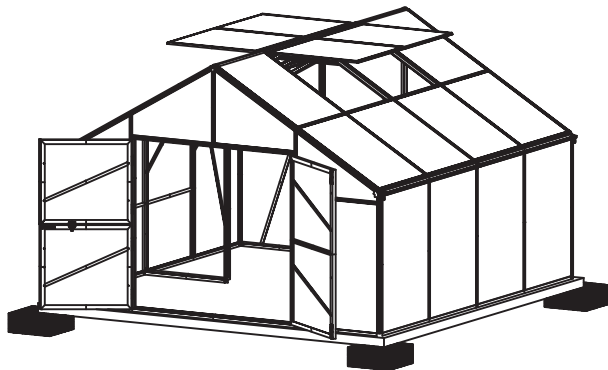


Expansion
screw/Concrete ground

It is essential the dimensions $a + b$ are the same to ensure the base is square.



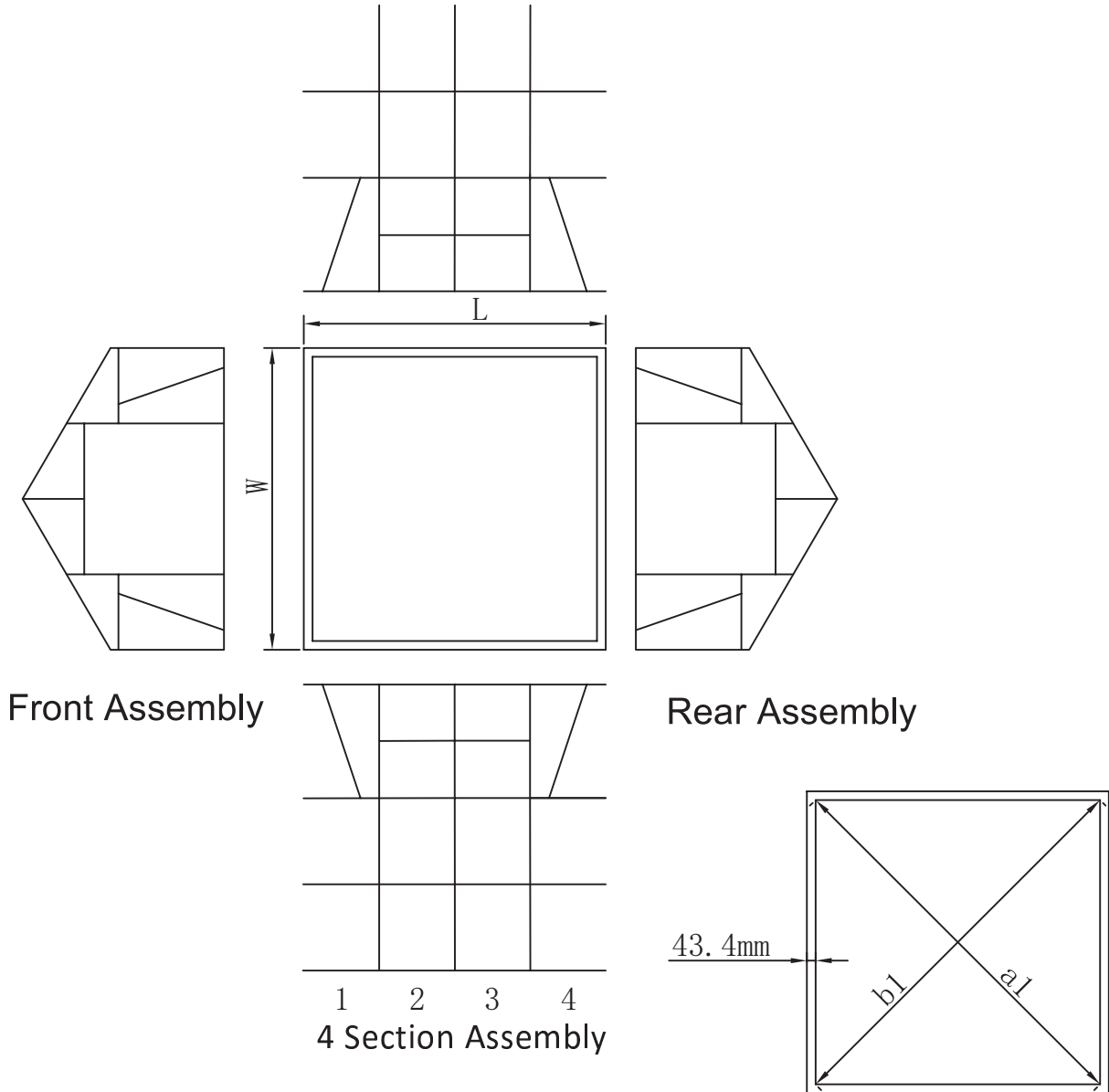
Steel pegs in soil



Support at the corners only is inadequate.



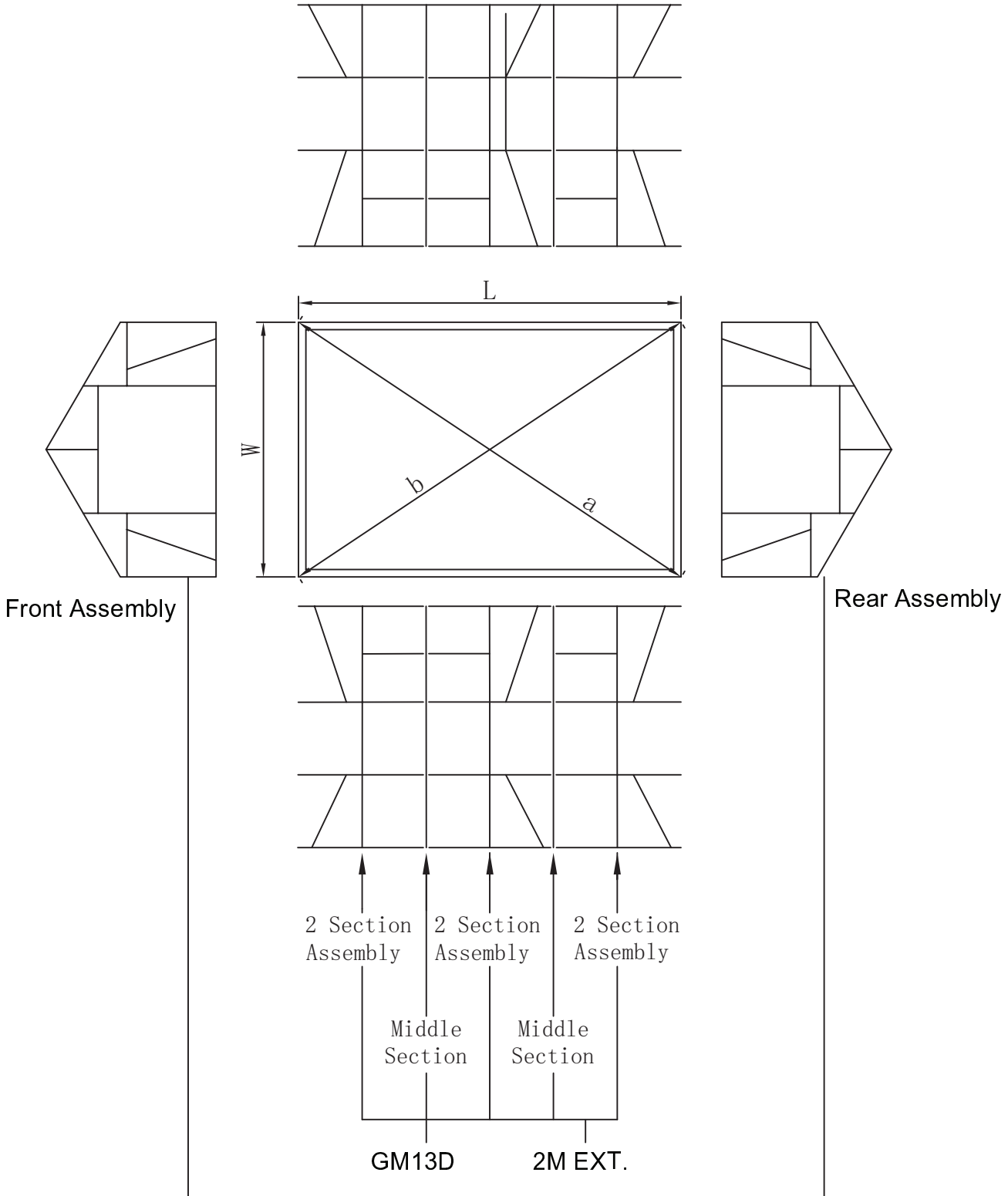
GM13D



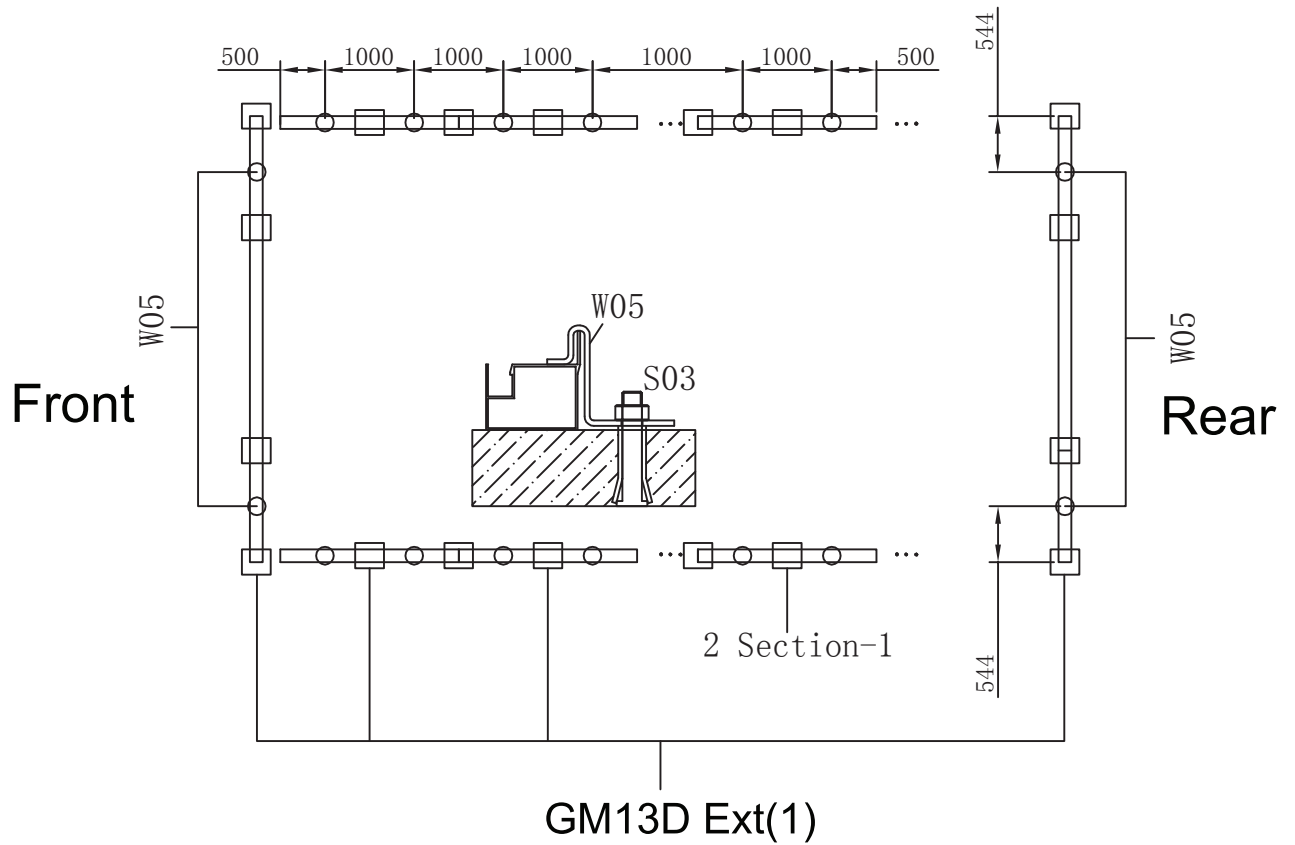
Dim/Model	GM13D	GM13D+Ext (1)	GM13D+Ext (2)	GM13D+Ext (3)	GM13D+Ext (4)	GM13D+Ext (5)	etc.
W (mm)	4059.4	4059.4	4059.4	4059.4	4059.4	4059.4	
L (mm)	4059.4	6061.6	8063.8	10066	12068.2	14070.4	
a=b (mm)	5740.9	7295.3	9027.9	10853.7	12732.7	14644.3	
a1=b1(mm)	5615.3	7172.3	8909	10738.5	12620.6	14534.8	

- * W= Outer Width of Base Profiles
- * L= Outer Length of Base Profiles
- * a=b= Outer Diagonal of Base Profiles
- * a1=b1= Inner Diagonal of Base Profiles



















GM13D + Ext(1)



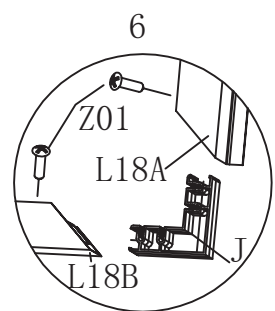
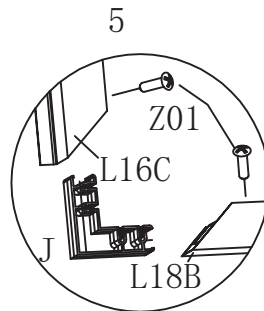
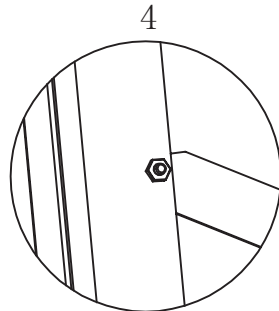
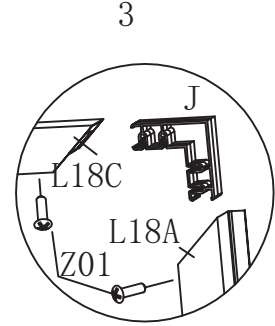
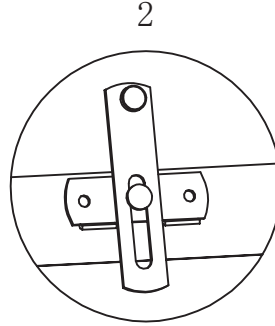
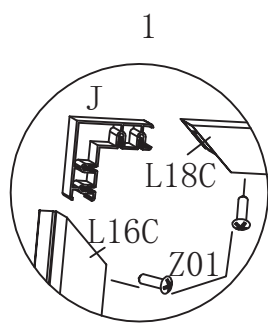
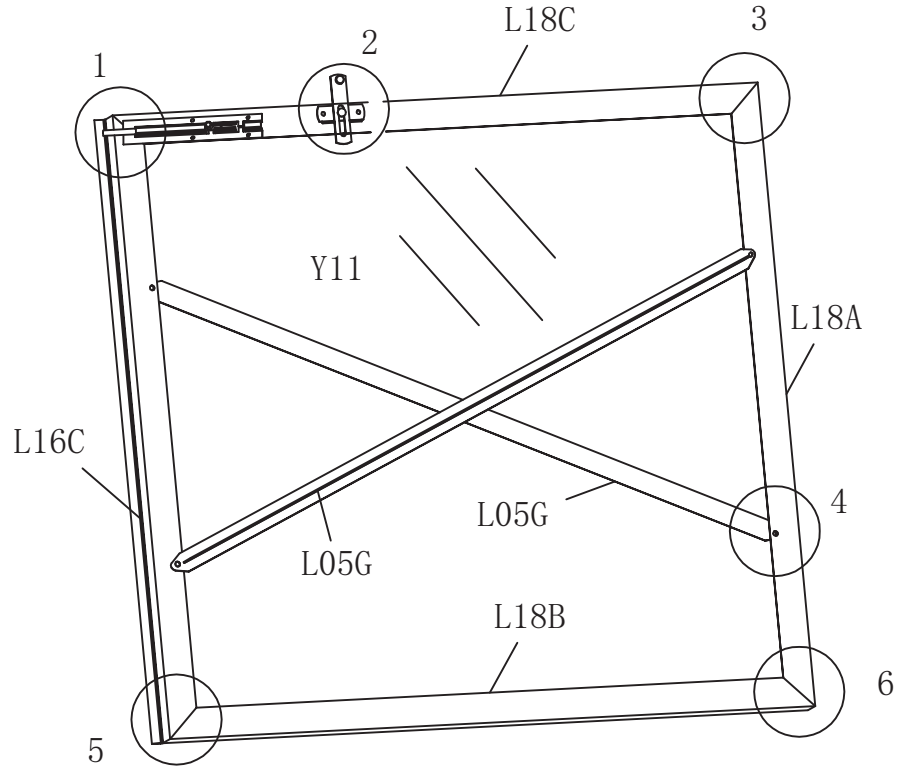
* The basic model, GM13D, can be easily extended by adding a '2 Section Assembly' each time for a longer size.



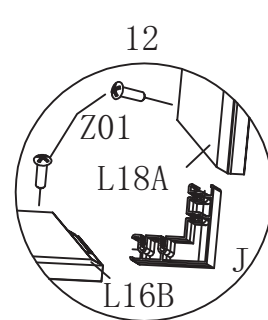
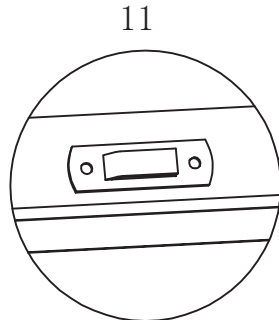
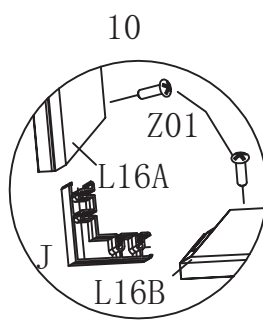
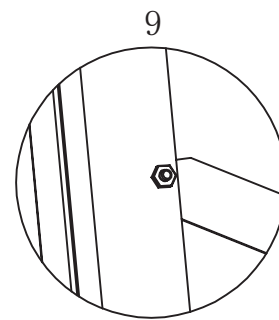
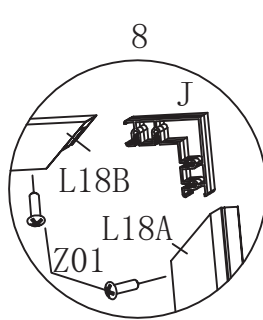
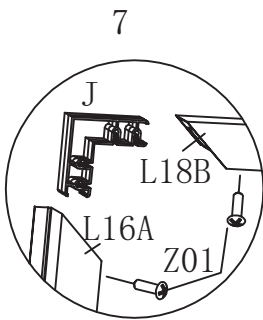
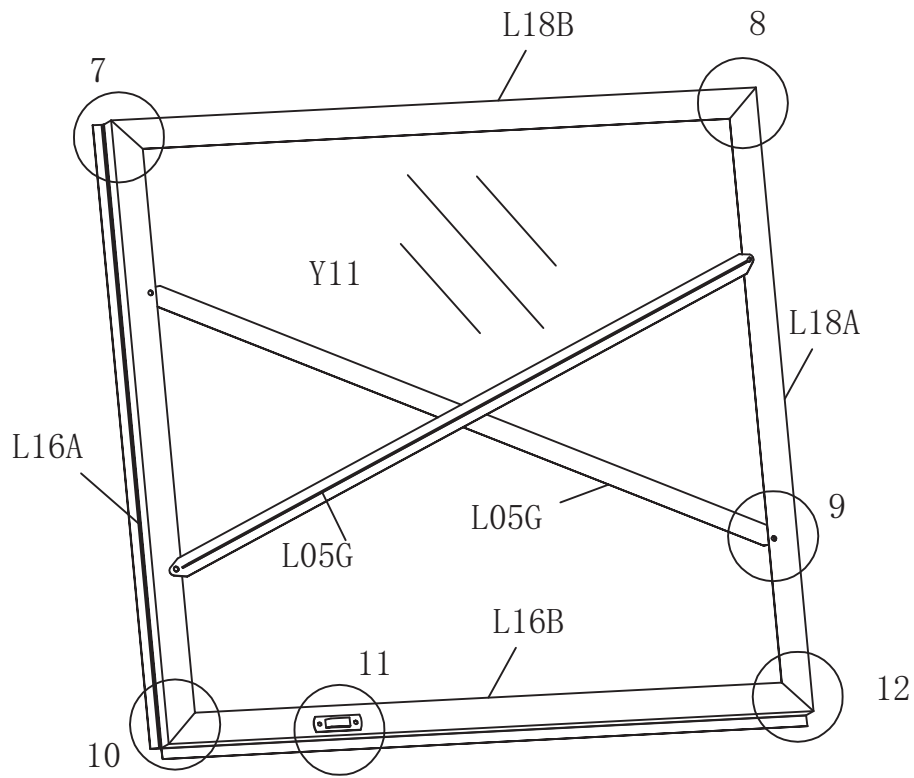
* This shows a layout for W05's positions where it is placed in the middle of PC panel for each section.

PART	NO.	QTY.
	L18A	2
	L18B	2
	L18C	1
	L18D	1
	L18E	2
	L18F	1
	L16A	1
	L16B	1
	L16C	1
	L17	1
	L05G	4
	L05H	4
	J	12
	S01 M6X10	18
	M01 M6	18
	Z01 φ5X15	24
	Y11	2
	Y12	2

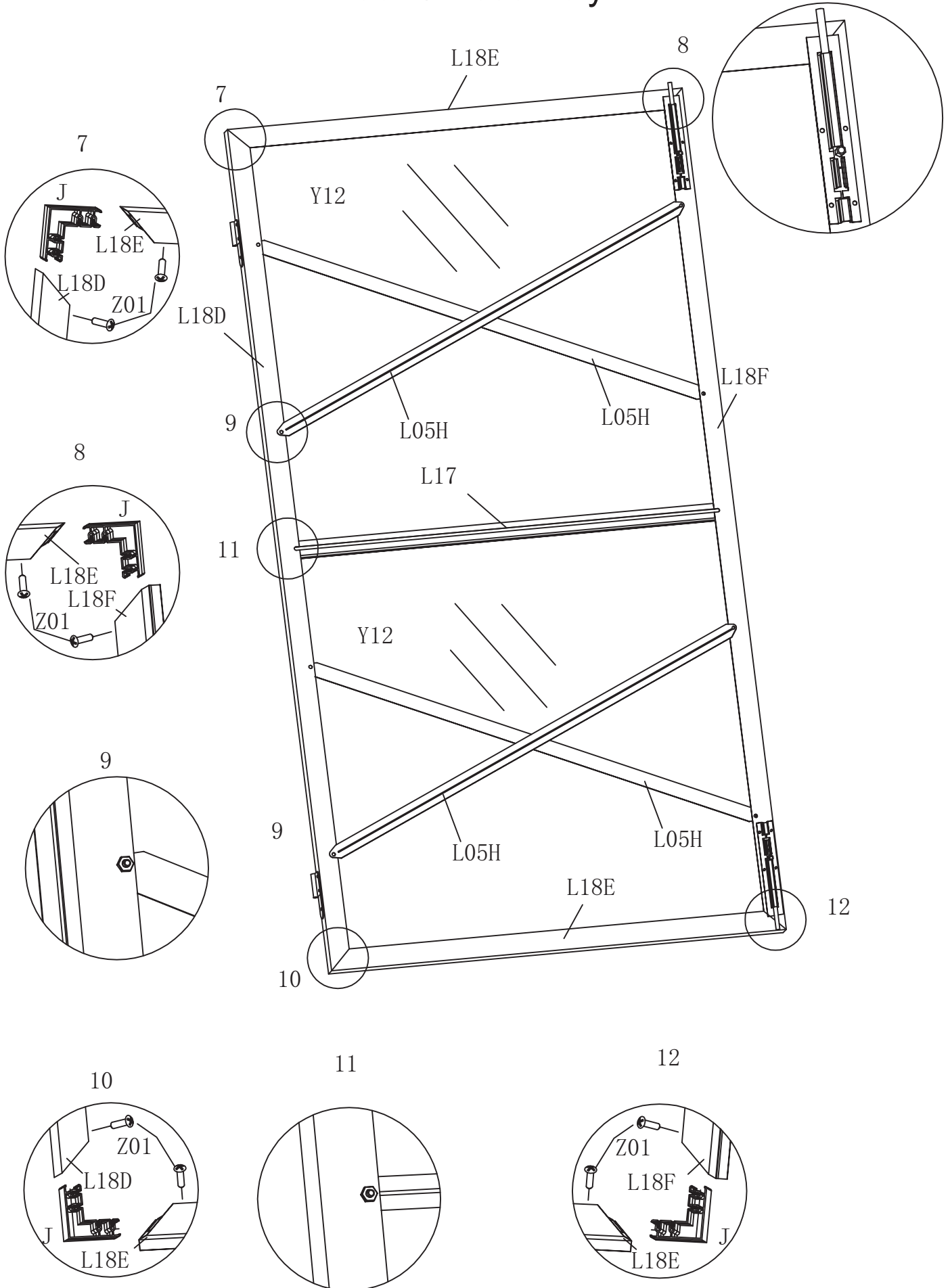
Door 1 Assembly












Door 2 Assembly

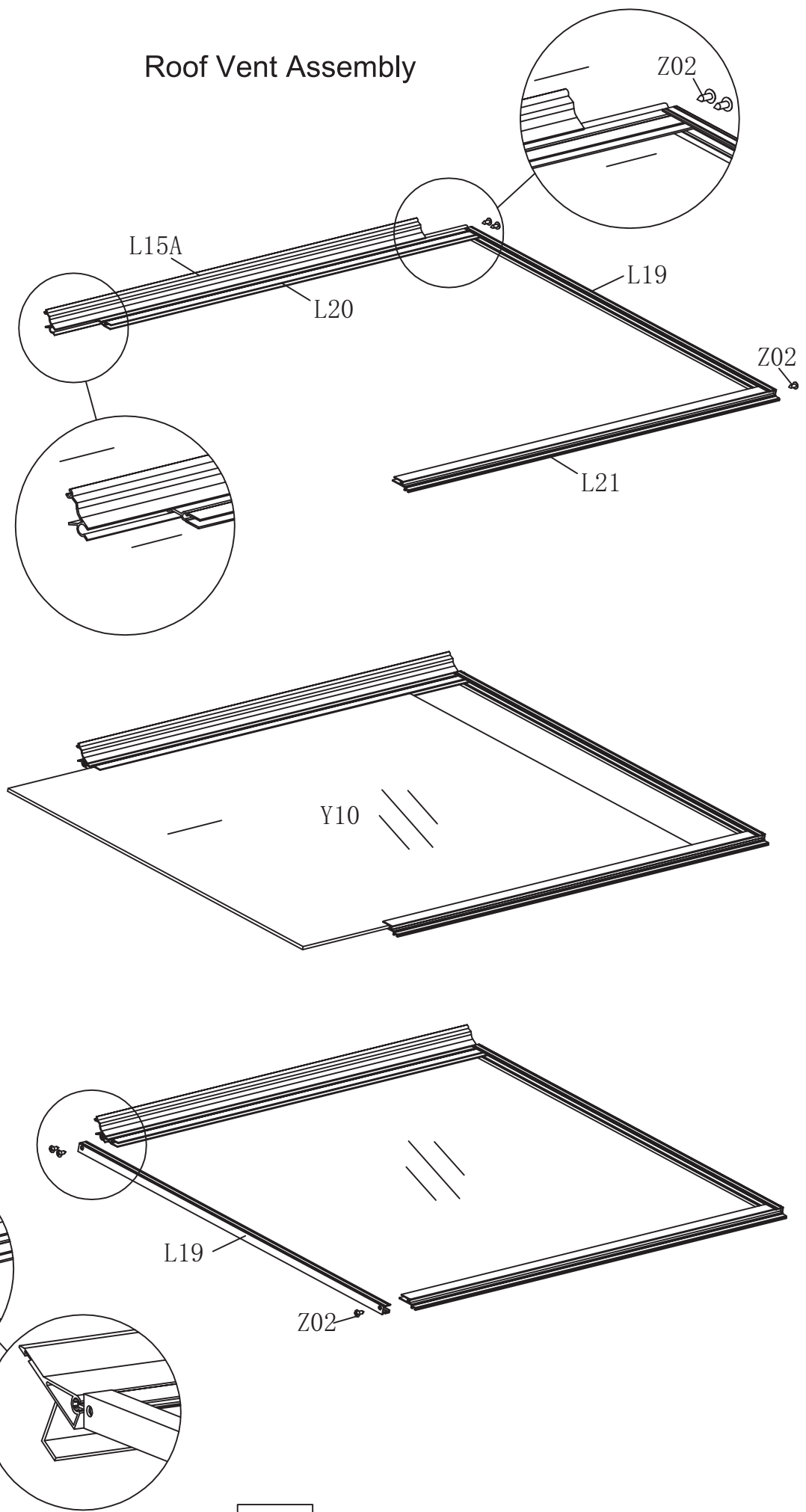


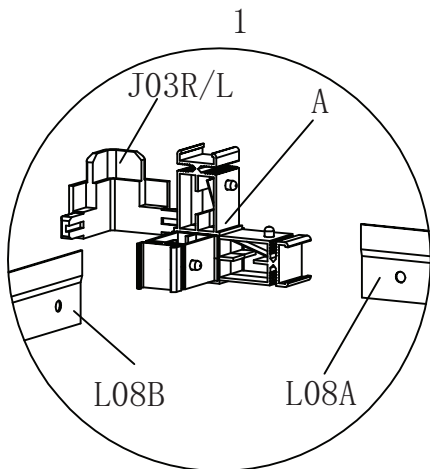
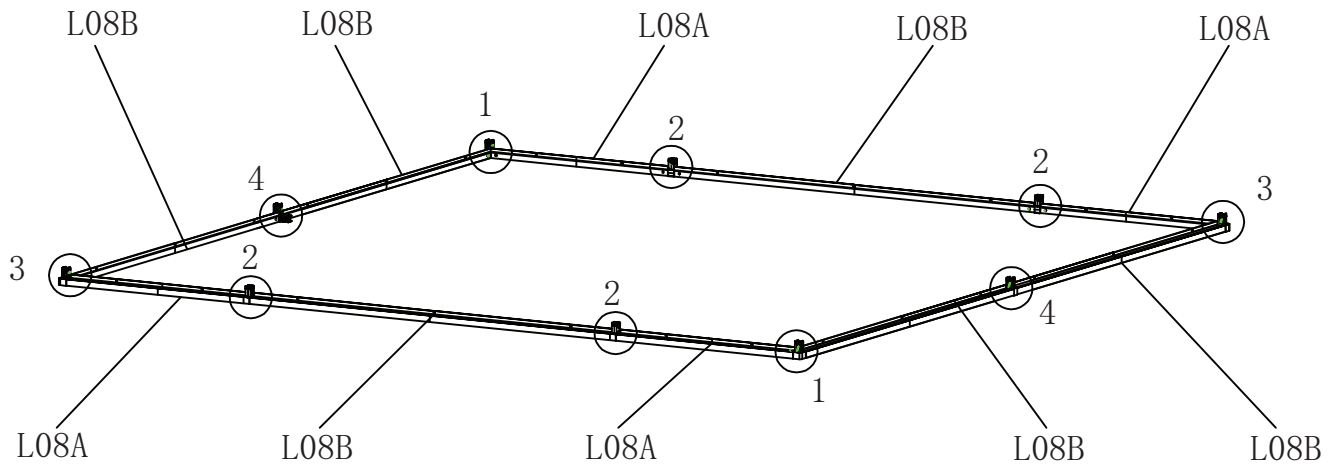
Door 3 Assembly



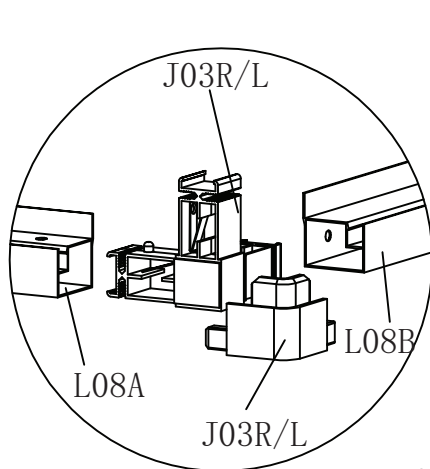
PART	NO.	QTY.
	L15A	1
	L19	2
	L20	1
	L21	1
	W06	4
	S02 M6X16	2
	M01 M6	2
	Z02 φ4X16D	6
	Z04 φ4X10	4

Roof Vent Assembly

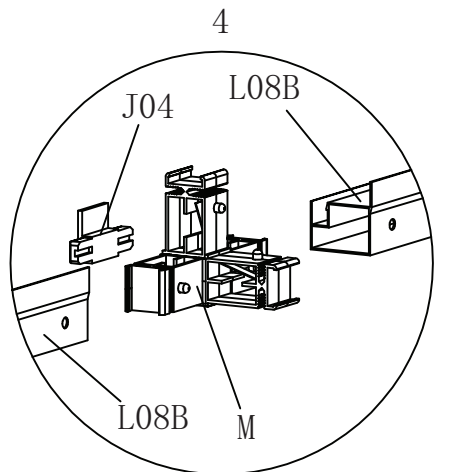
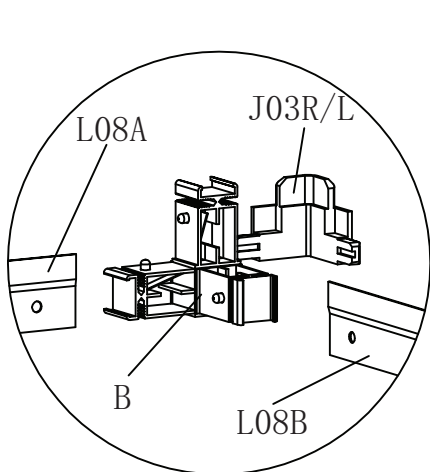
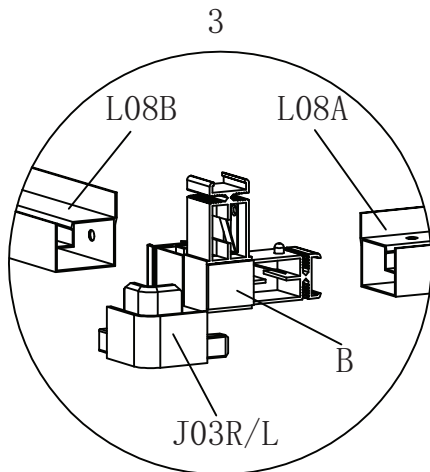
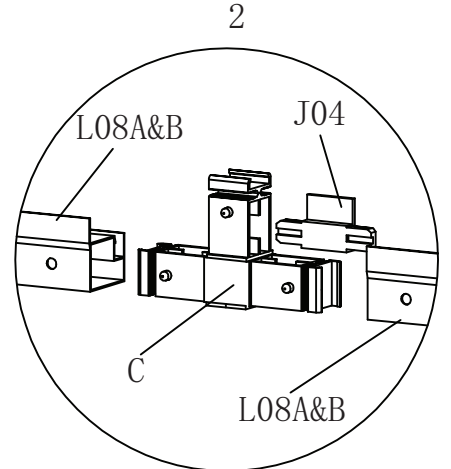




make sure
you pay
close attention
to the direction
of the pins

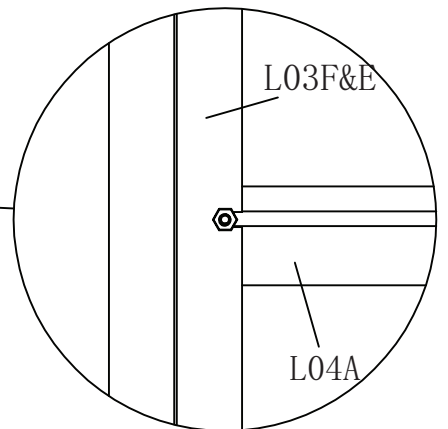
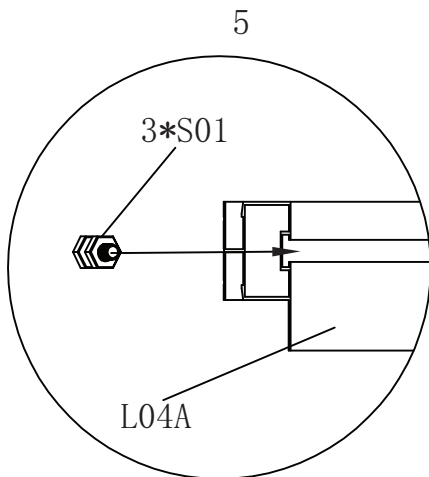
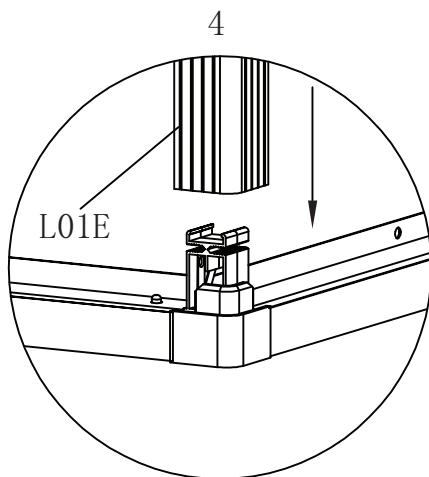
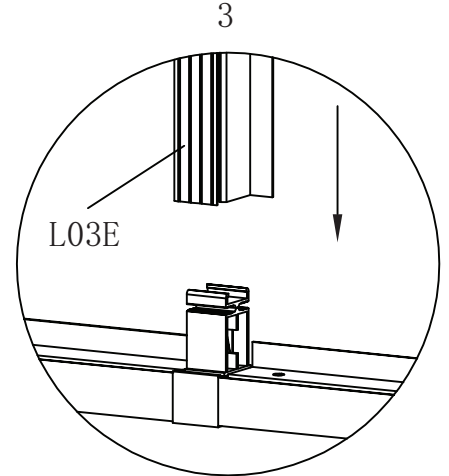
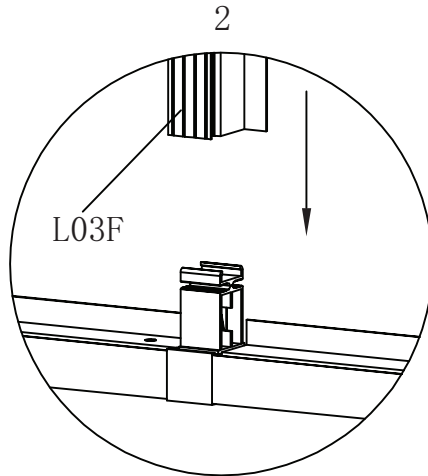
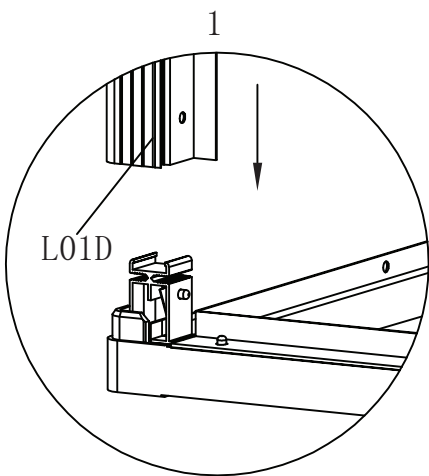
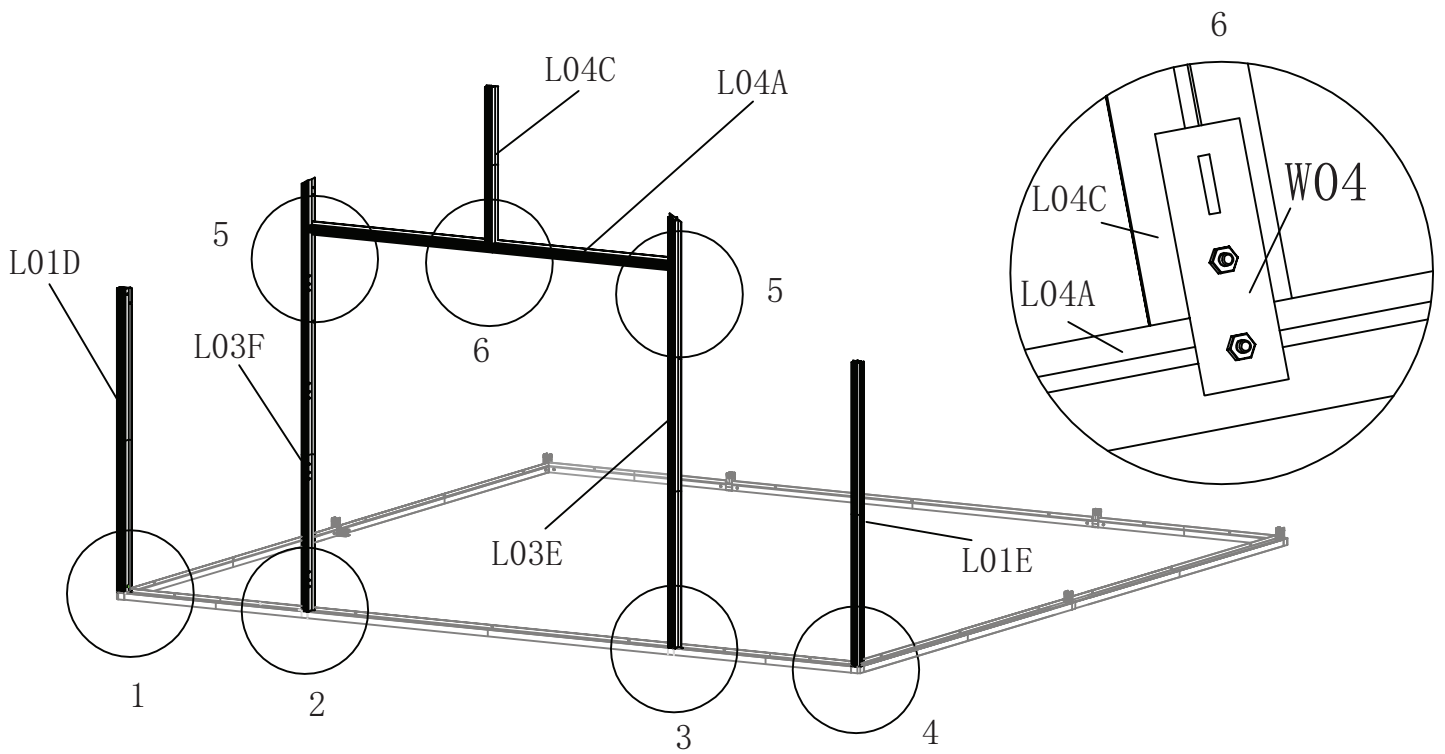


make sure
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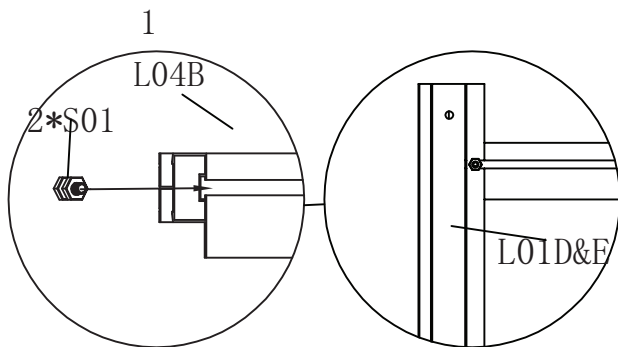
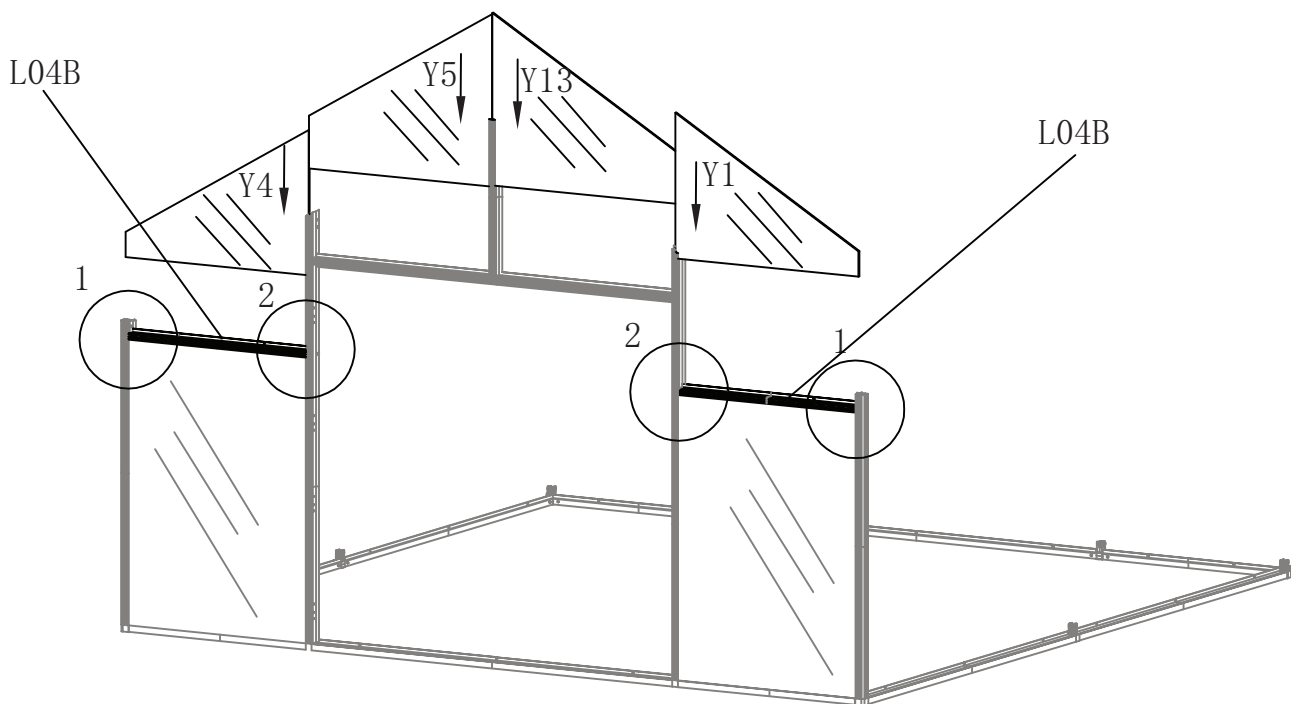
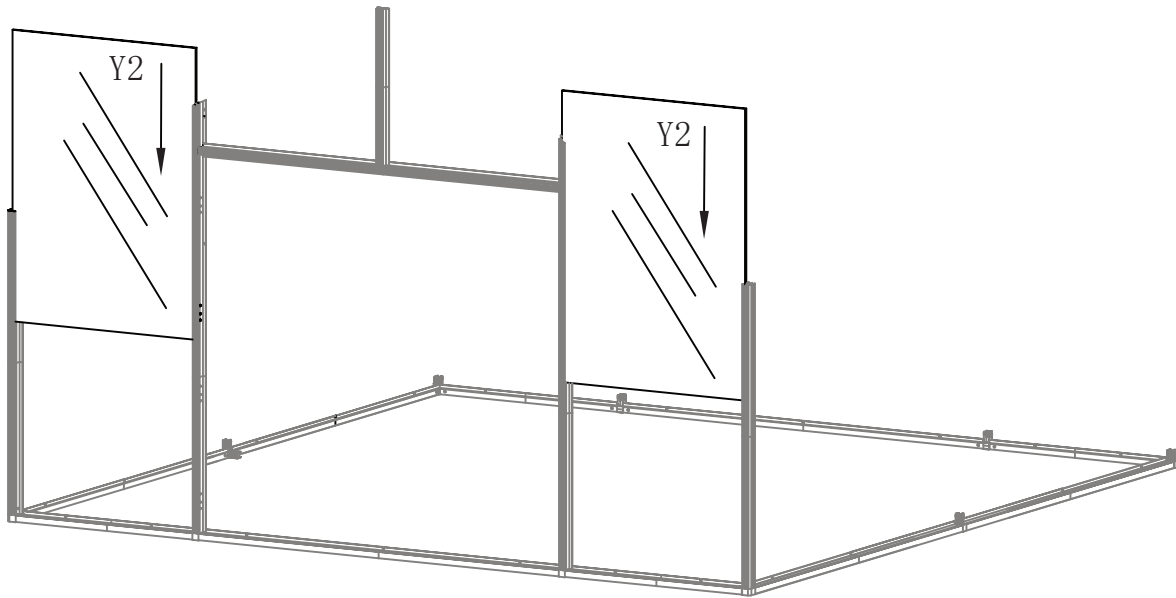


make sure
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of the pins

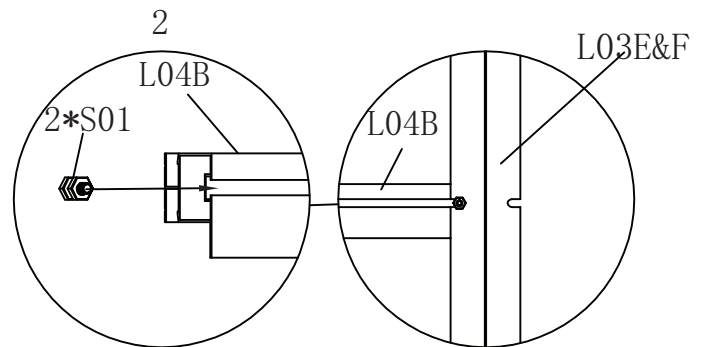
Assemble all W05 followed by previous Page 14 after each base profile is connected.
must connect all plastic parts (J04 and J03 R/L) before completing this step .



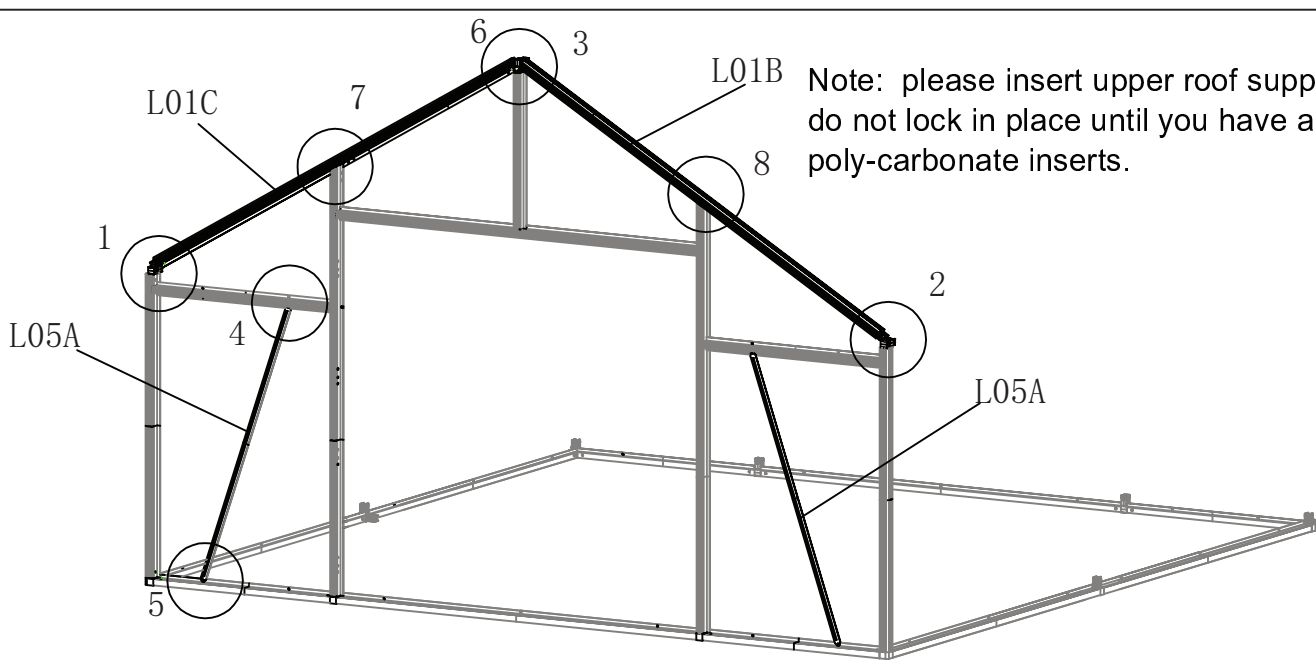
Slide 3*S01 into L04A, and tighten L04A at each end with S01



Slide 2*S01 into L04B, and
tighten L04B at each end
with S01

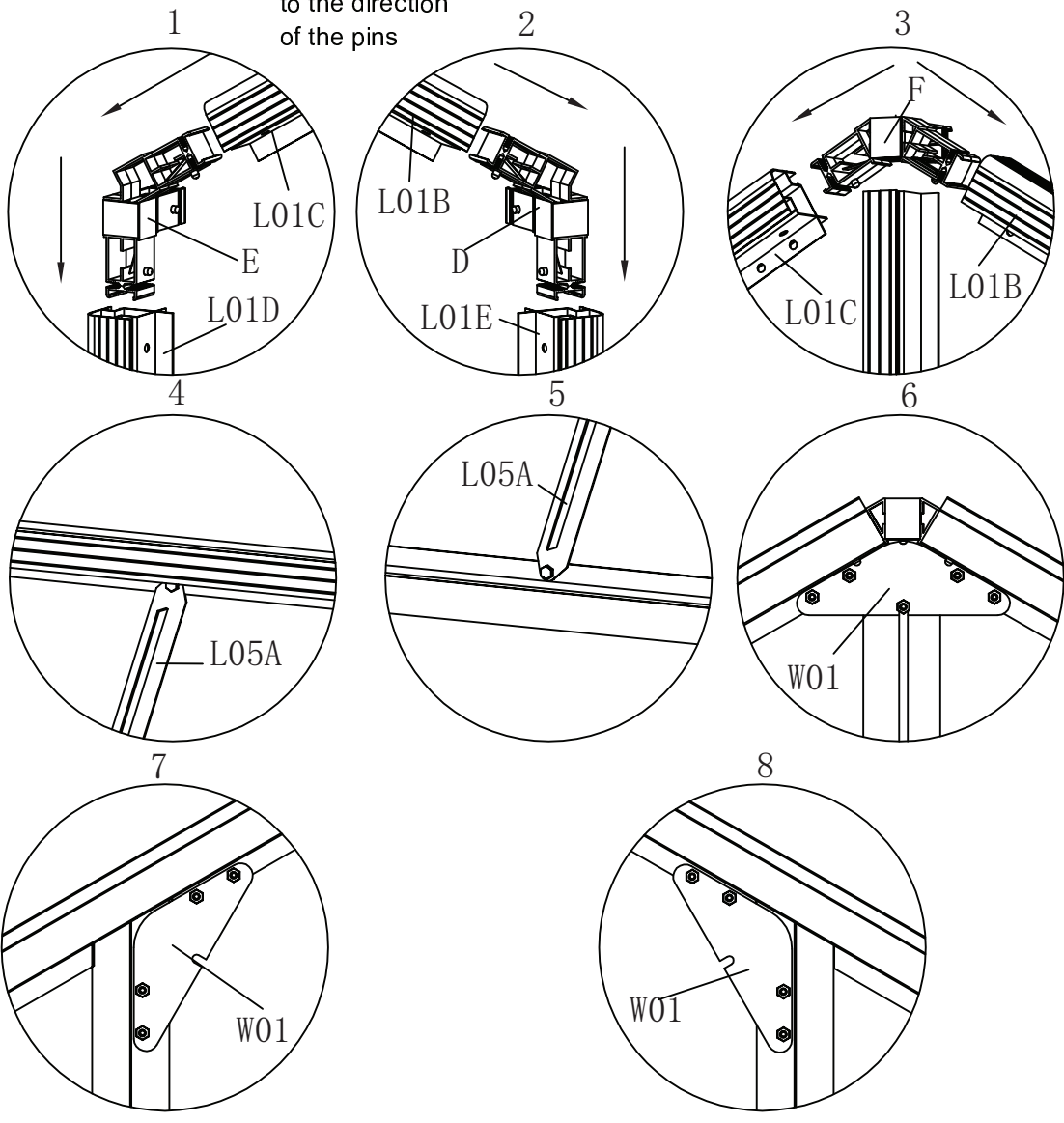


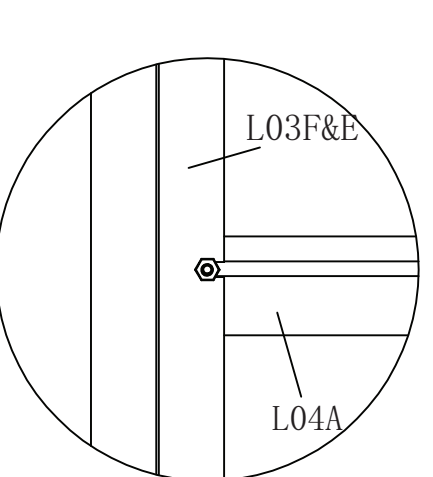
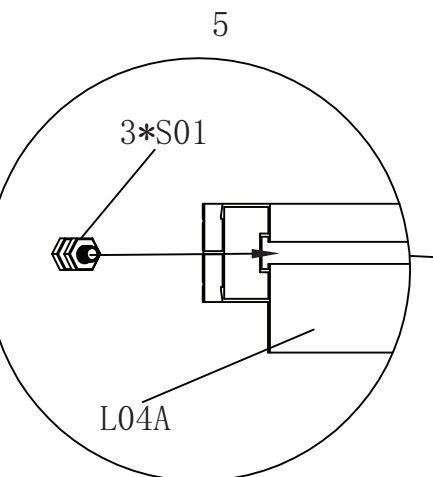
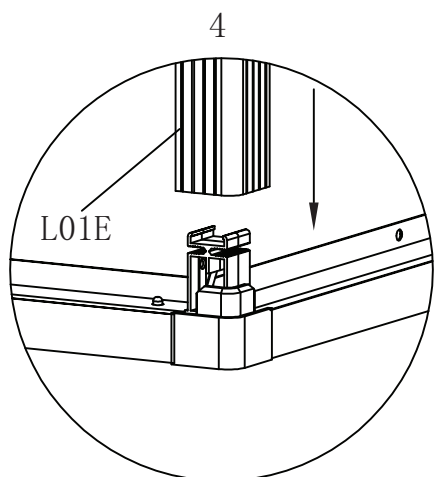
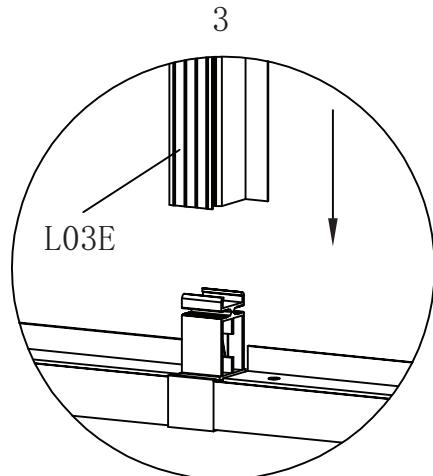
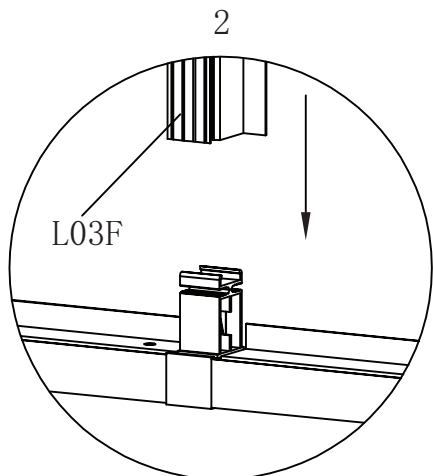
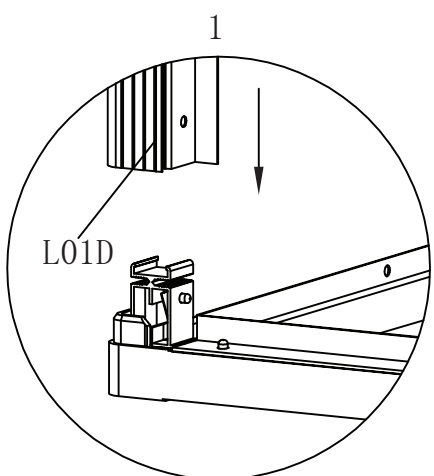
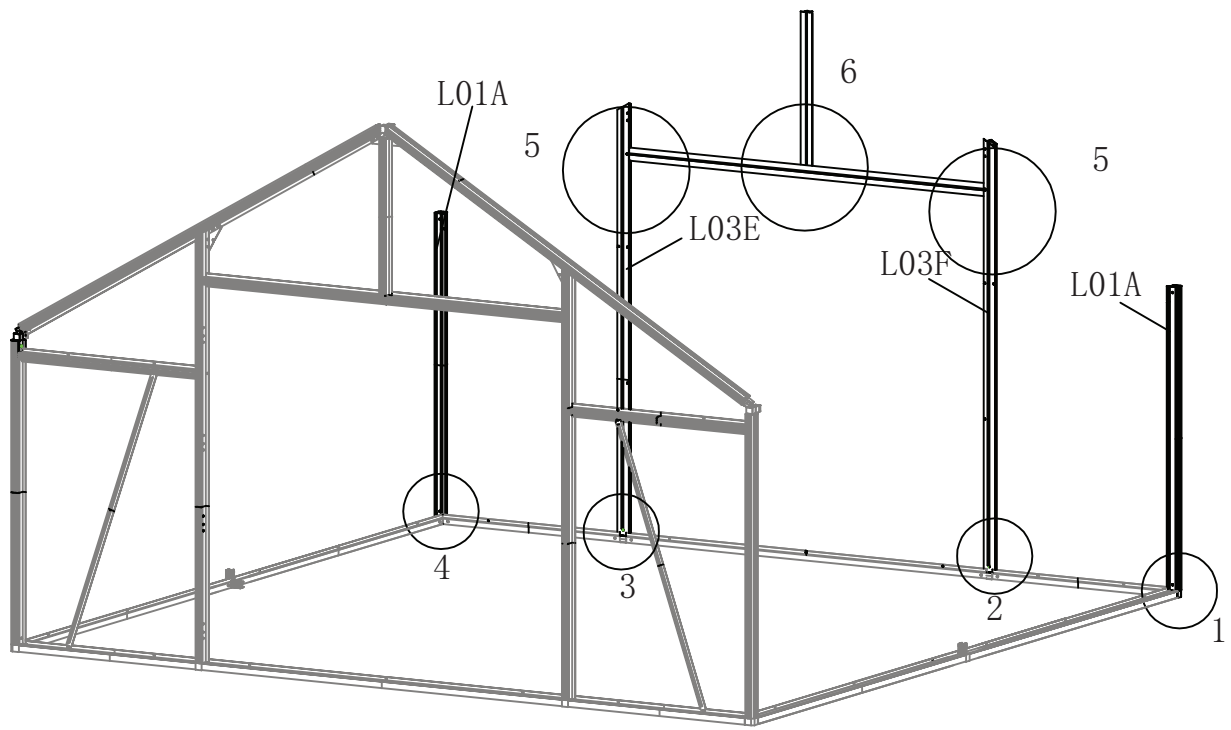
Slide 2*S01 into L04B, and
tighten L04B at each end
with S01



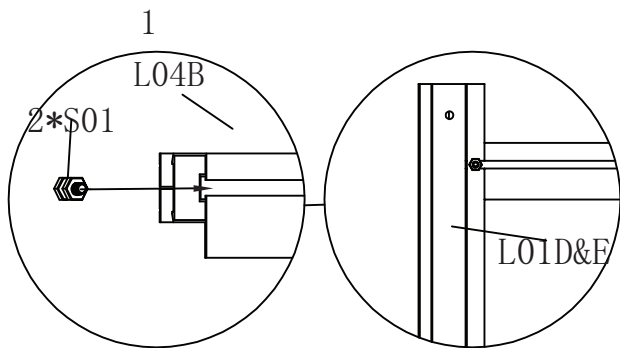
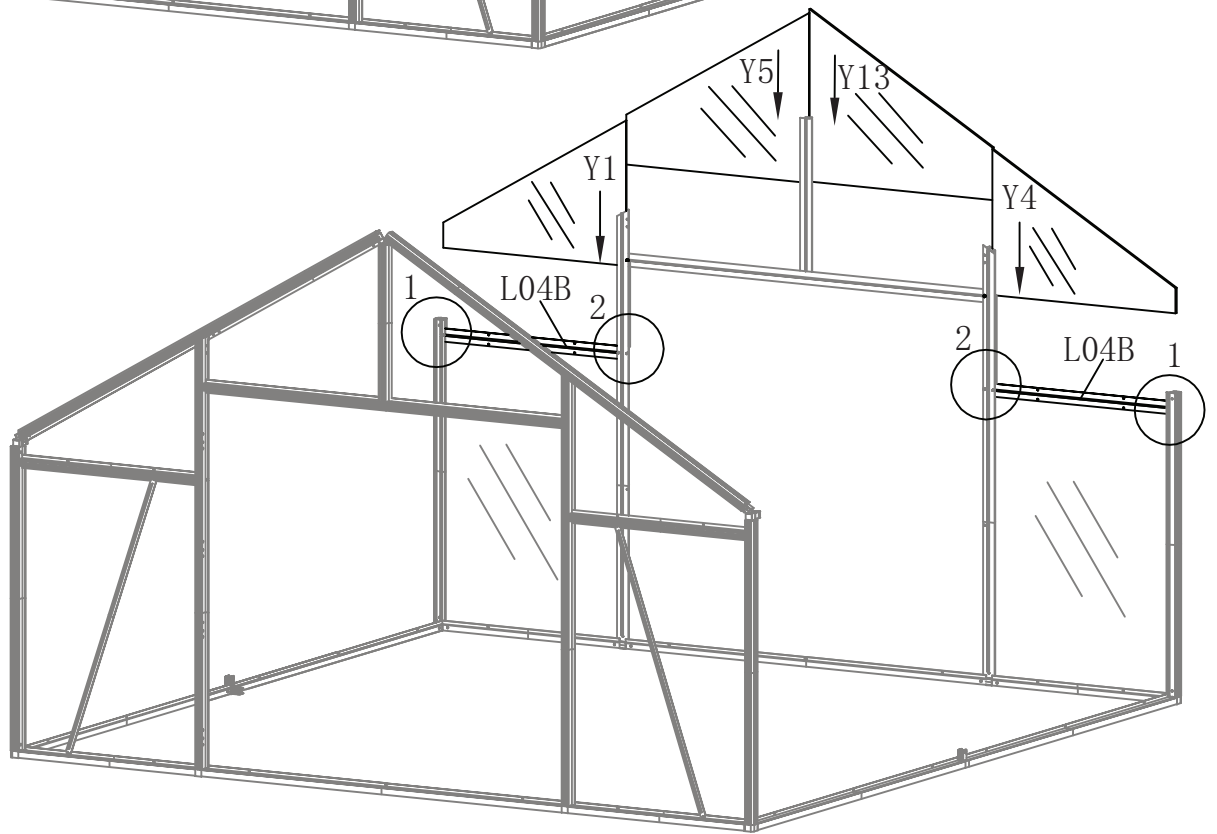
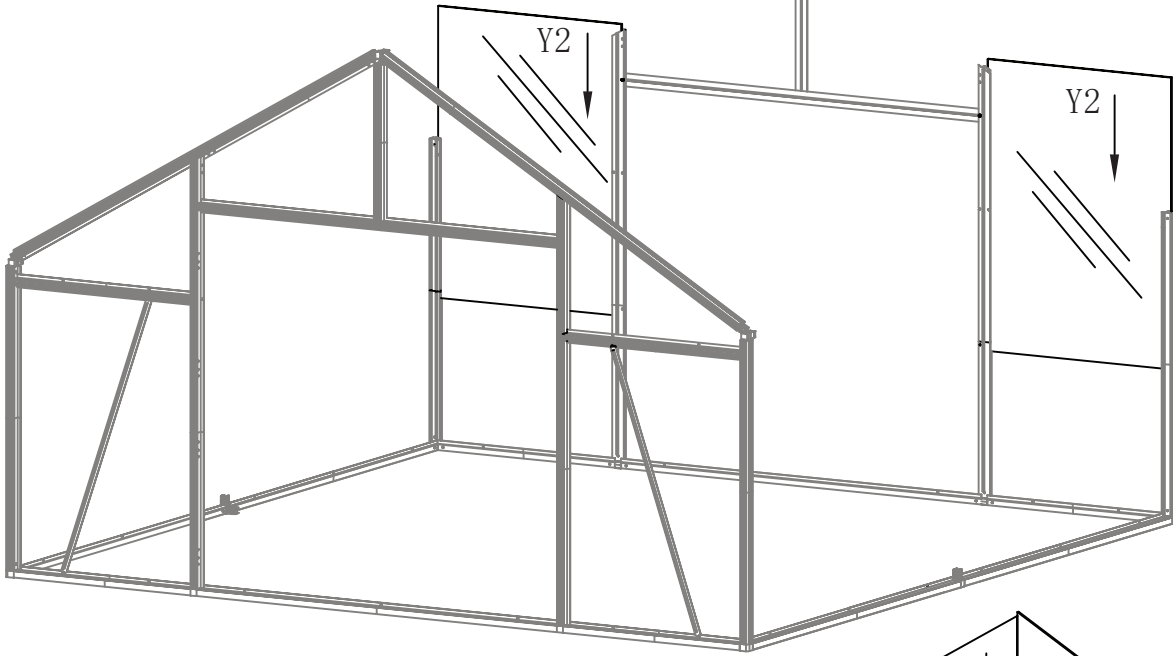
Note: please insert upper roof supports but, do not lock in place until you have aligned the poly-carbonate inserts.

make sure you pay close attention to the direction of the pins

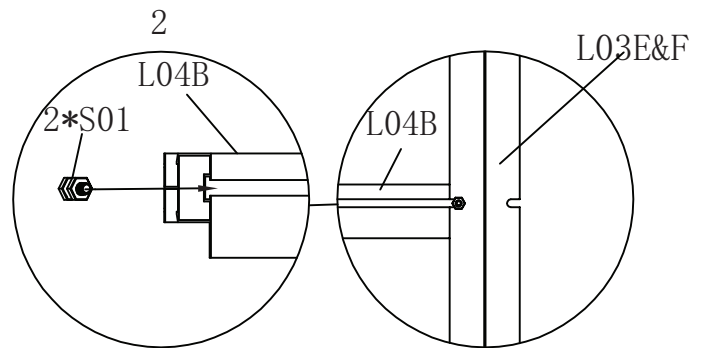




Slide 3*S01 into L04A, and tighten L04A at each end with S01

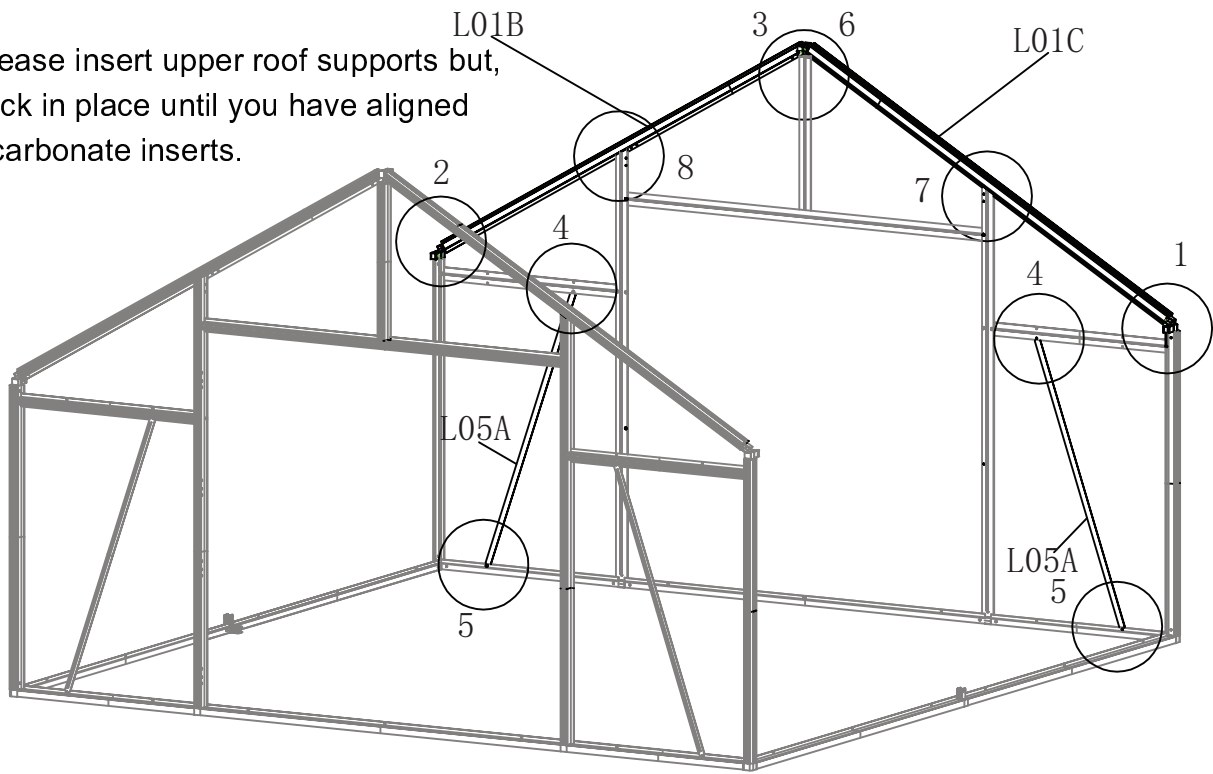


Slide 2*S01 into L04B, and tighten L04B at each end with S01

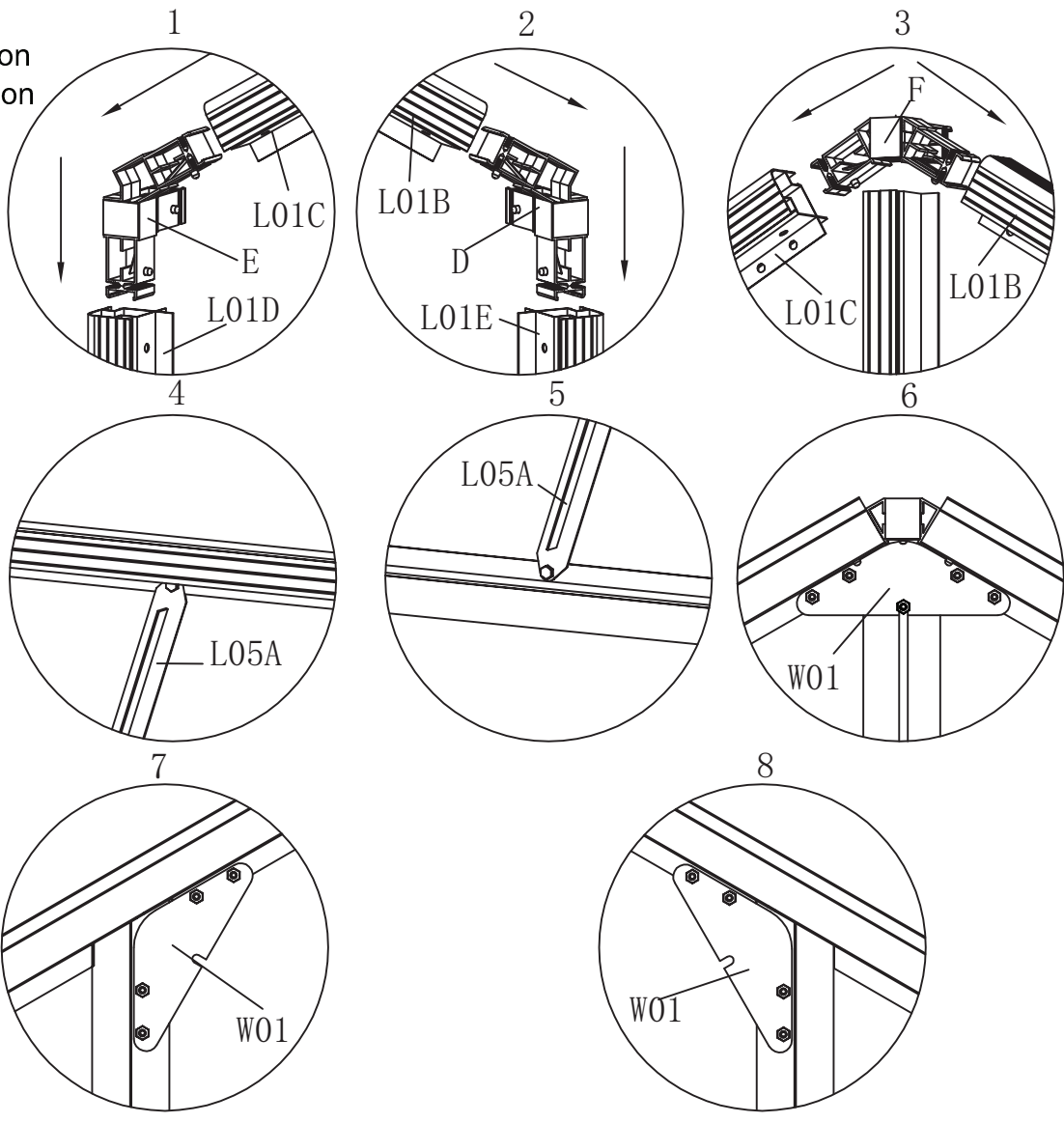


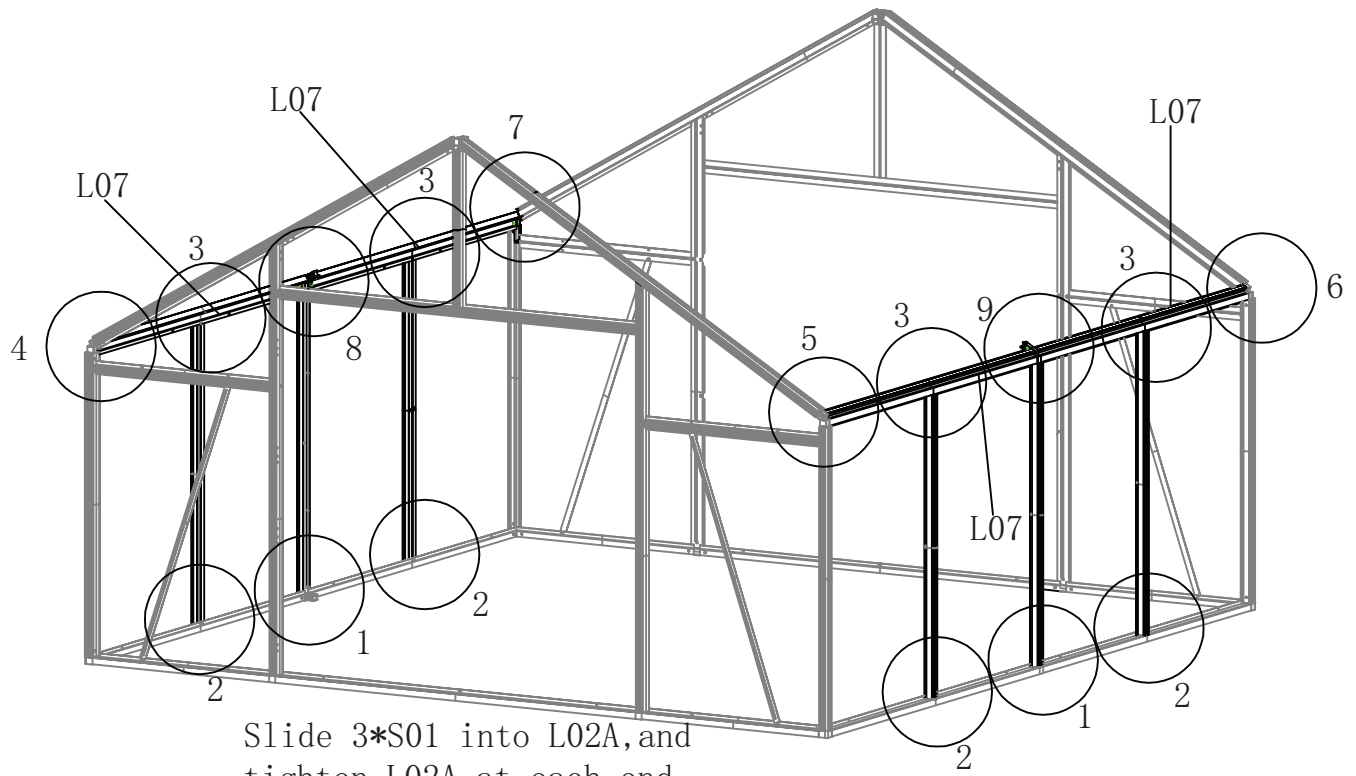
Slide 2*S01 into L04B, and tighten L04B at each end with S01

Note: please insert upper roof supports but, do not lock in place until you have aligned the polycarbonate inserts.

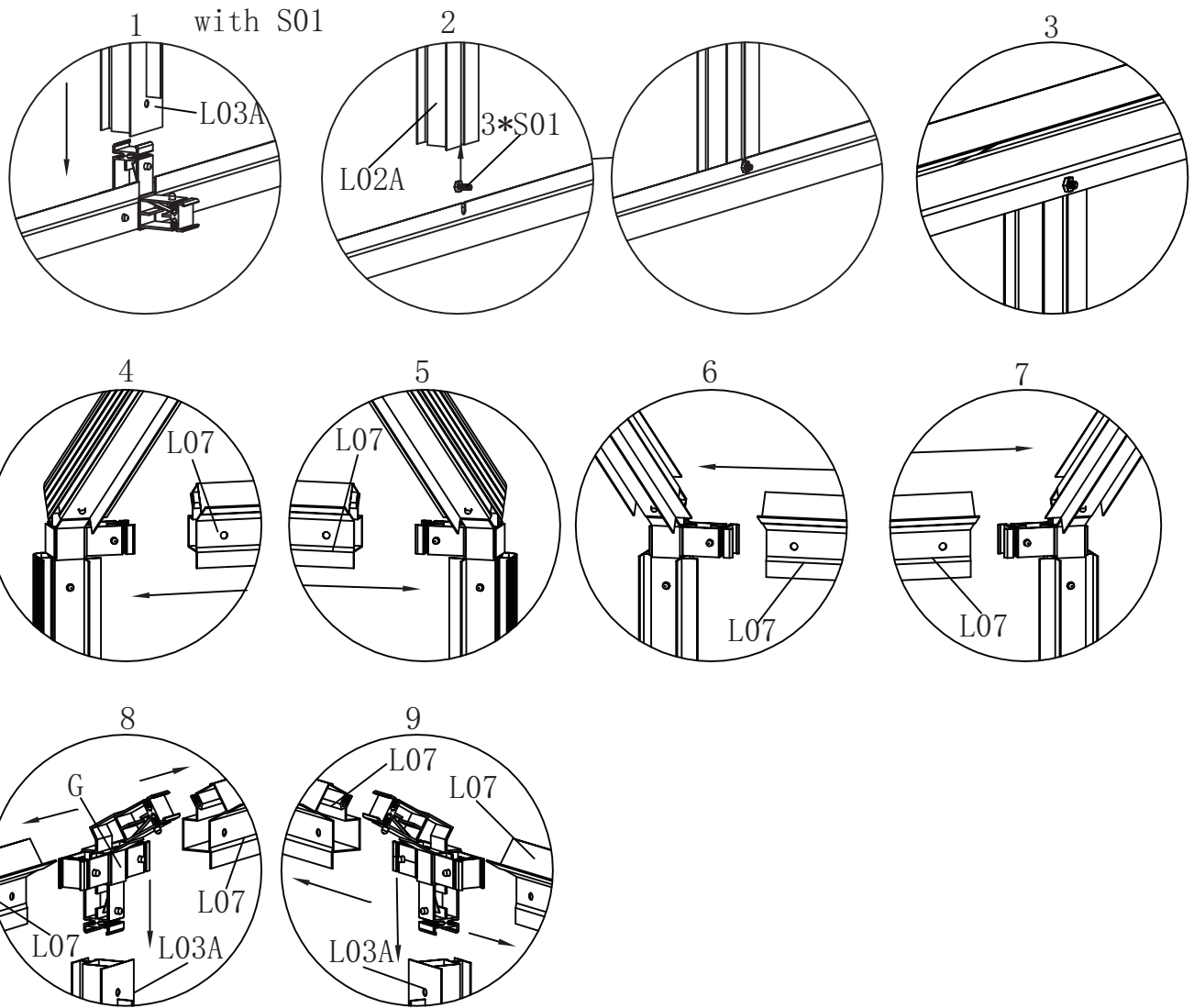


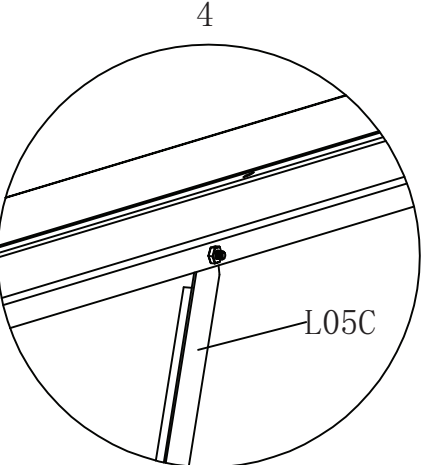
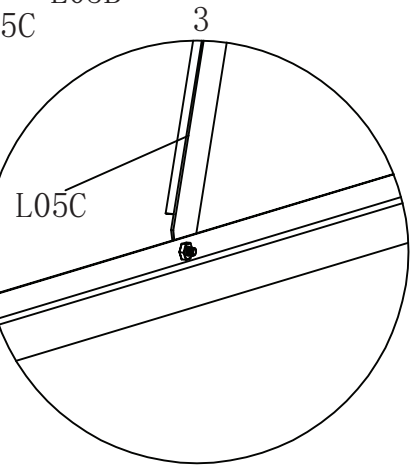
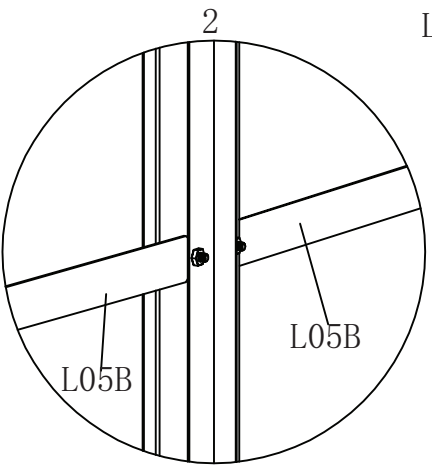
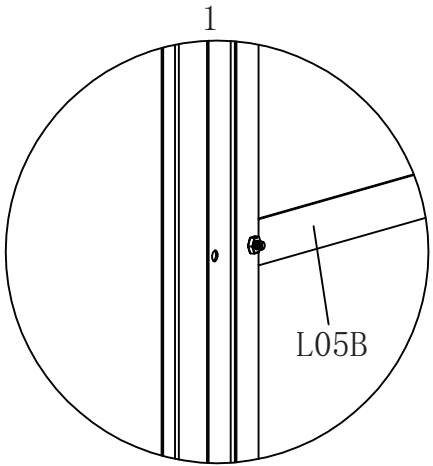
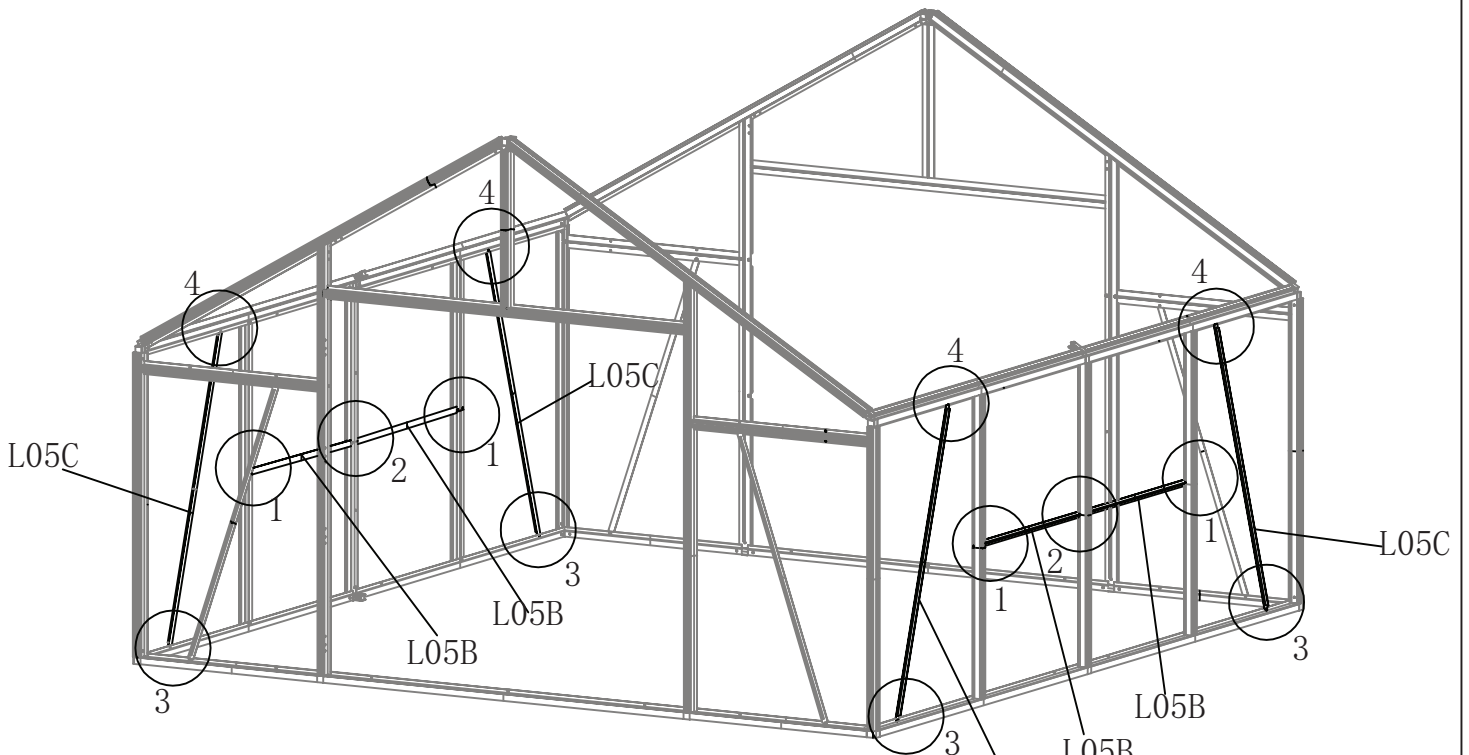
make sure you pay close attention to the direction of the pins

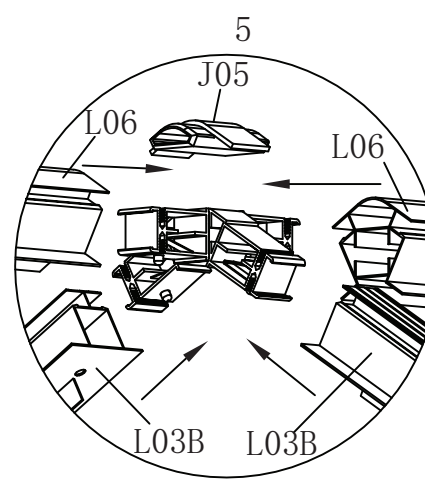
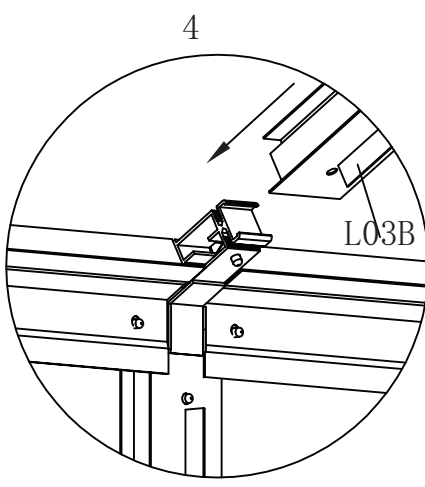
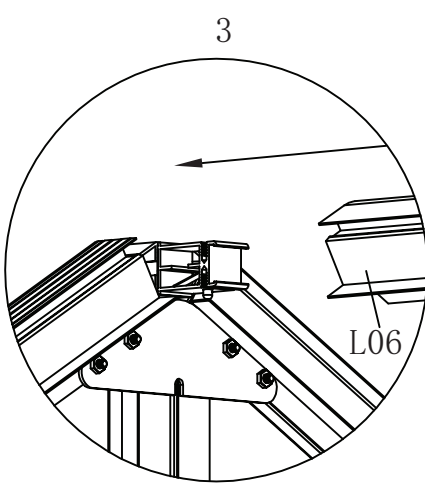
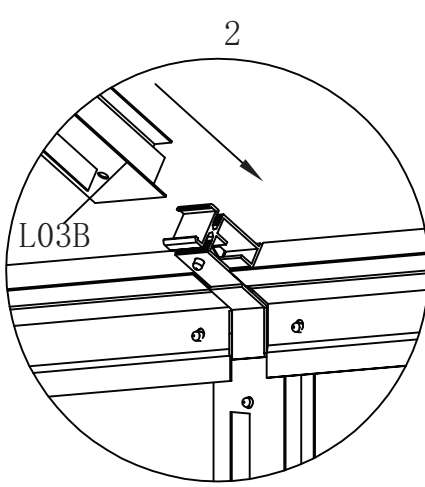
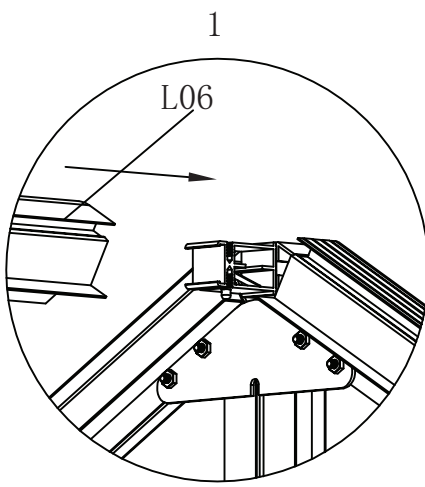
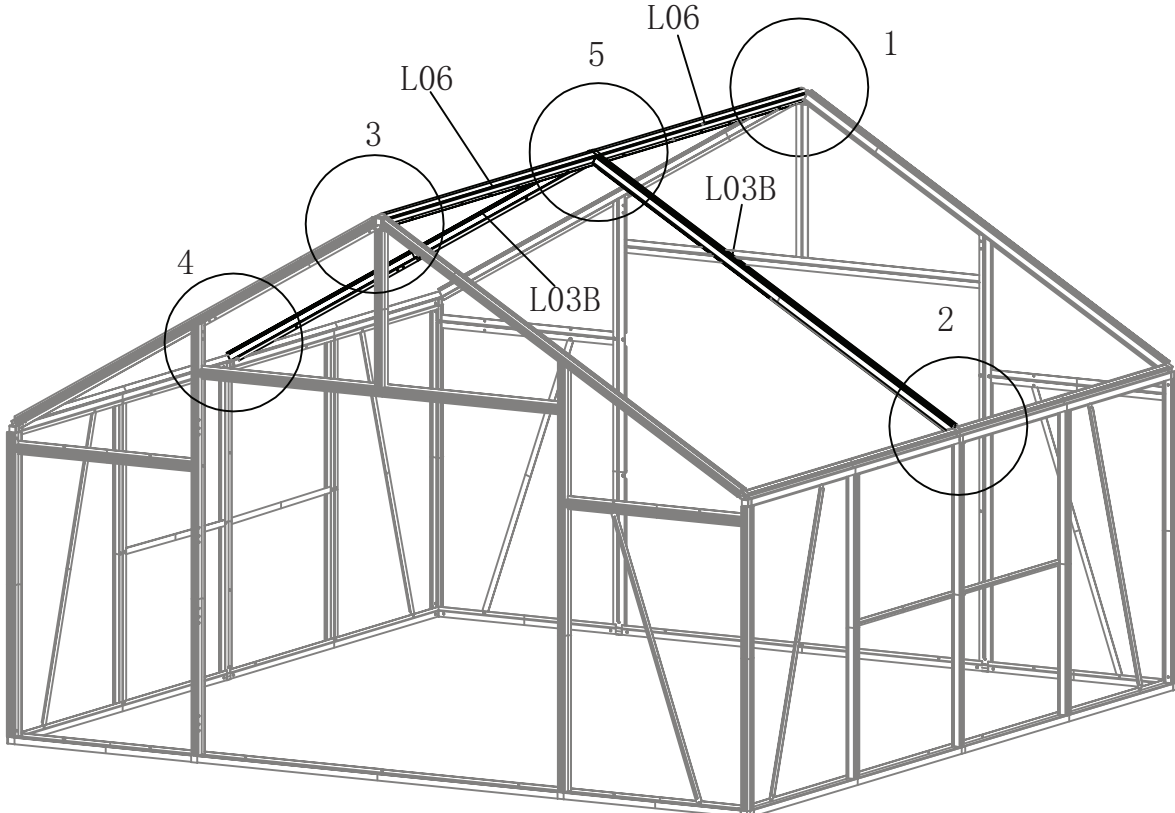


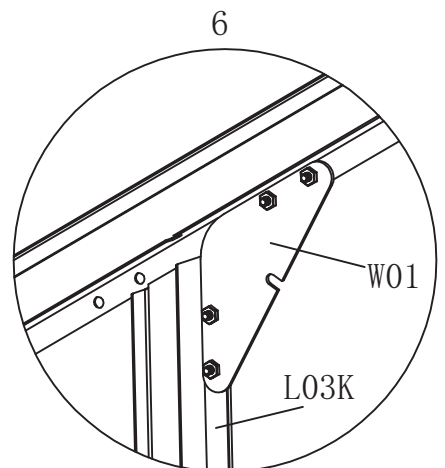
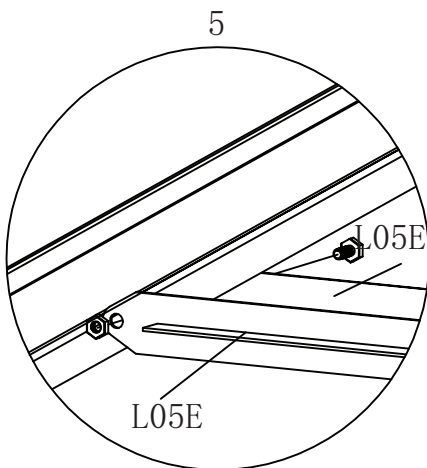
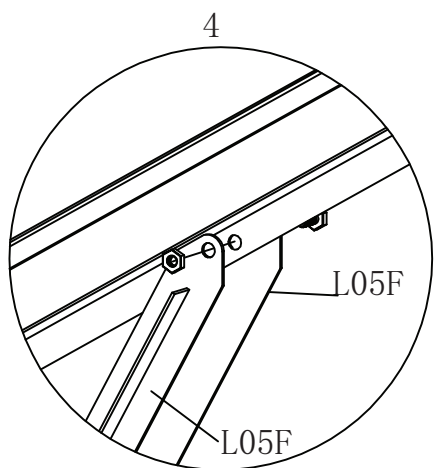
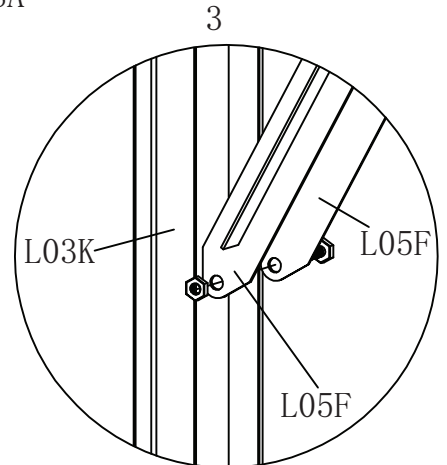
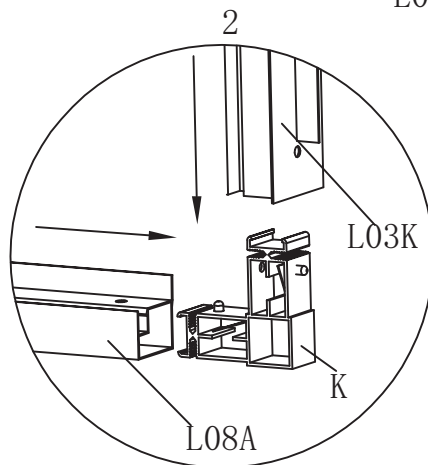
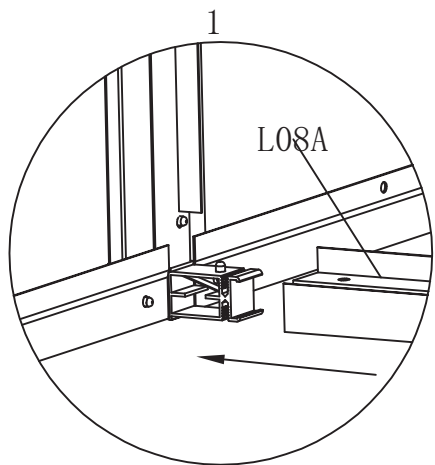
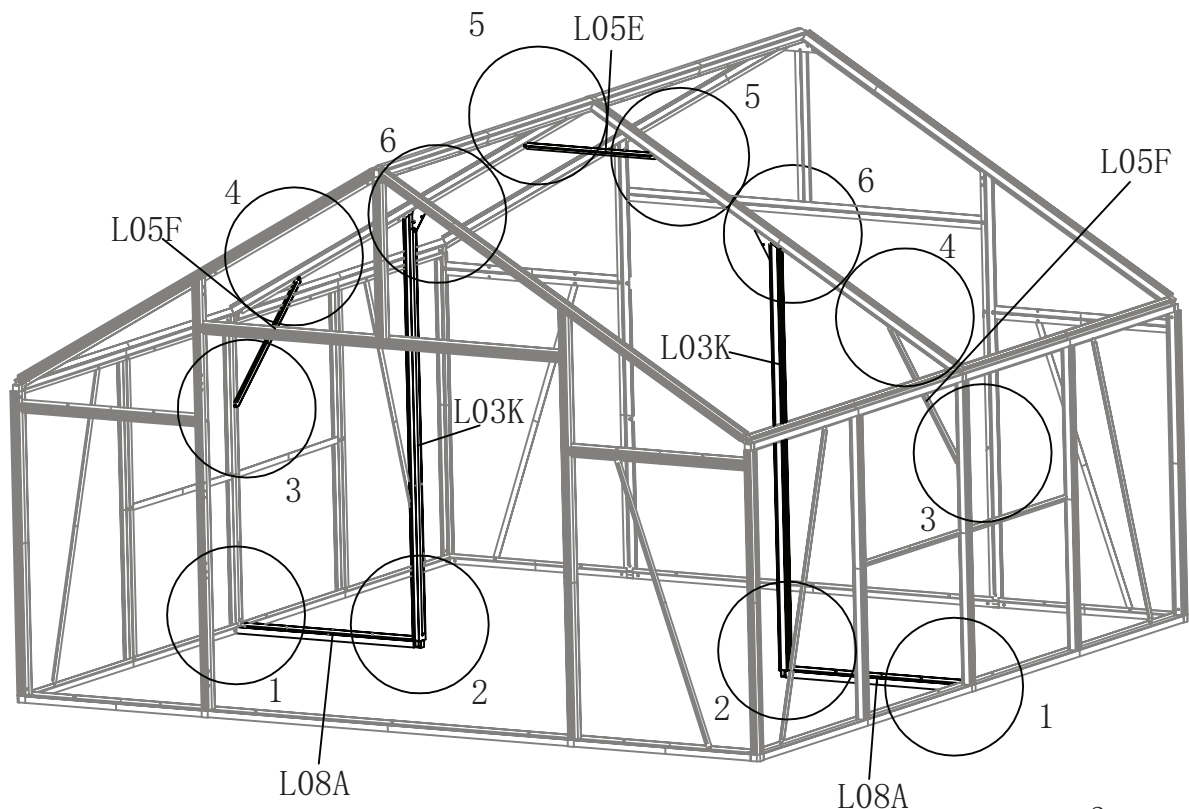


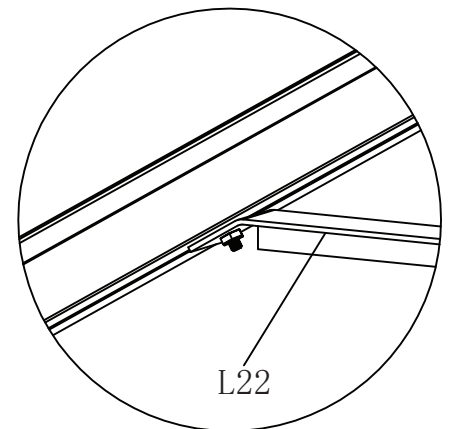
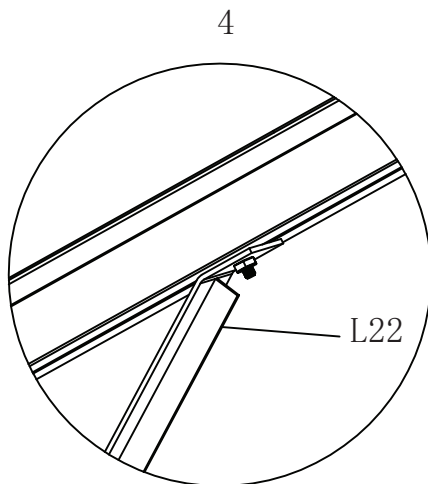
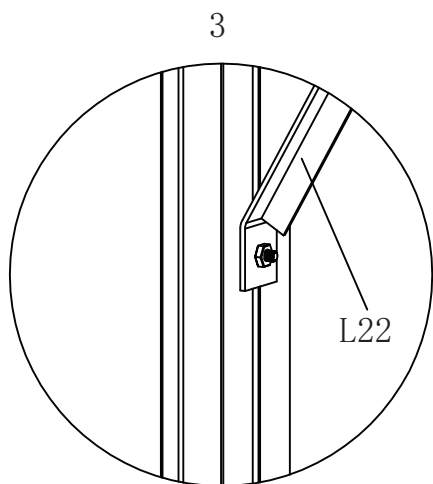
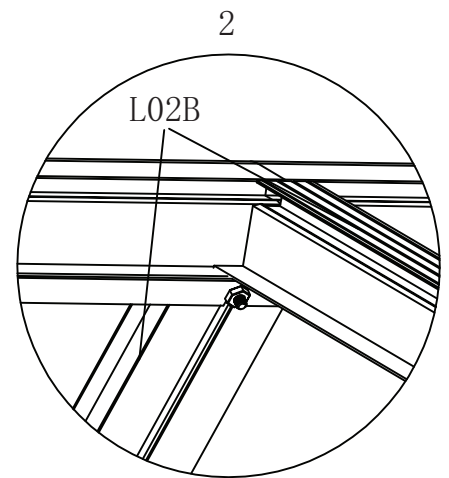
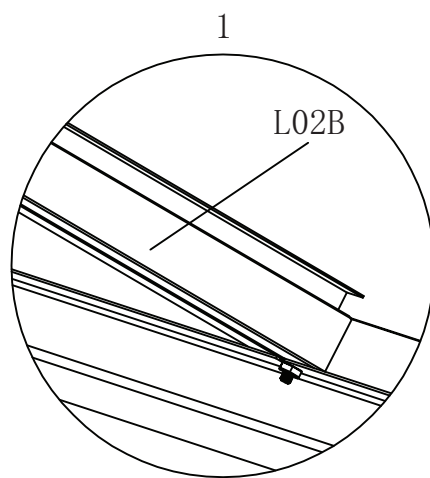
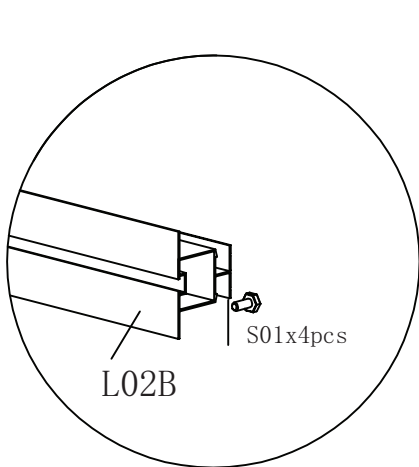
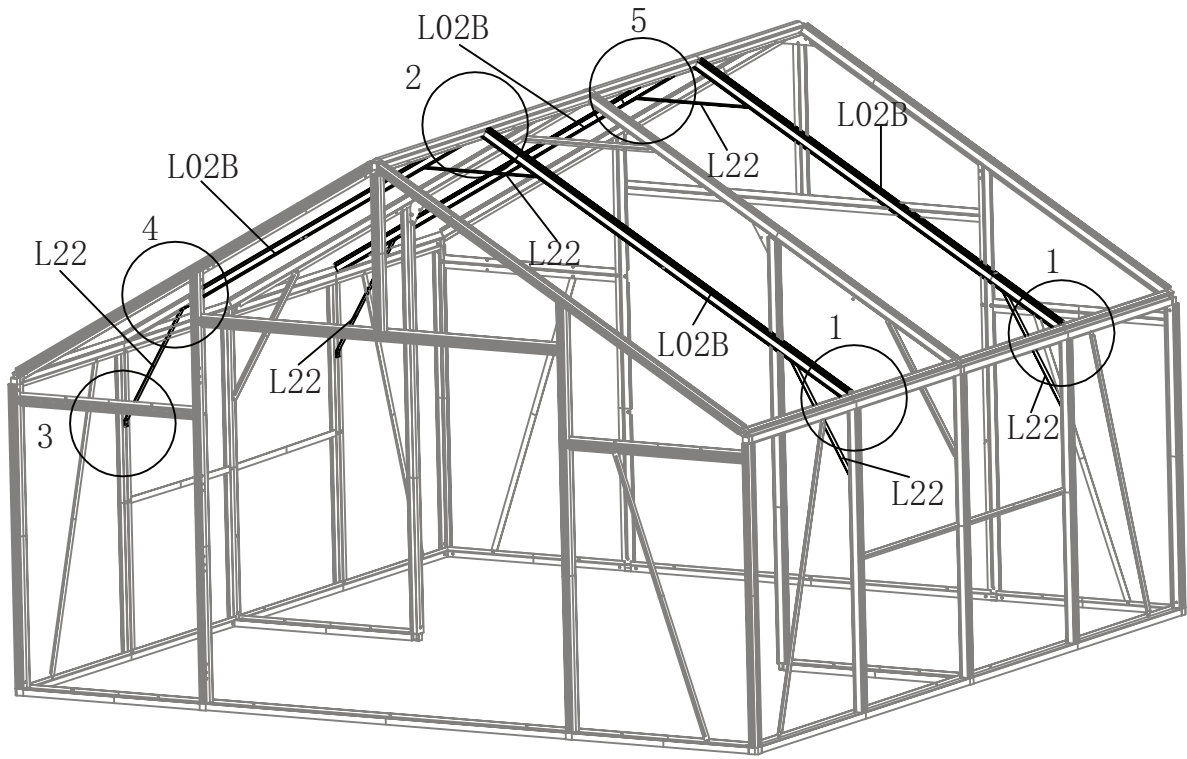
Slide 3*S01 into L02A, and tighten L02A at each end with S01

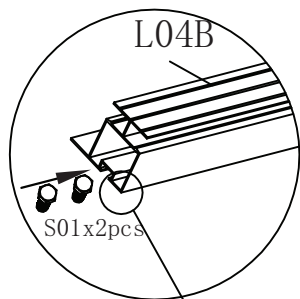
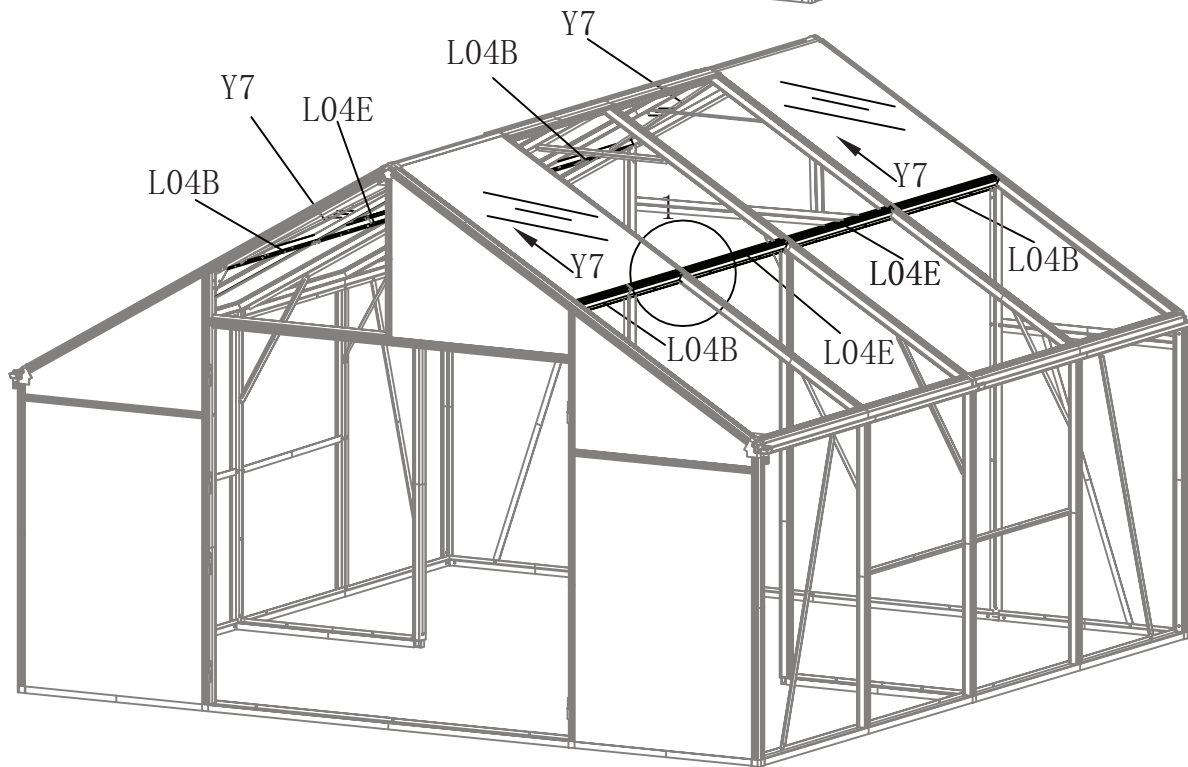
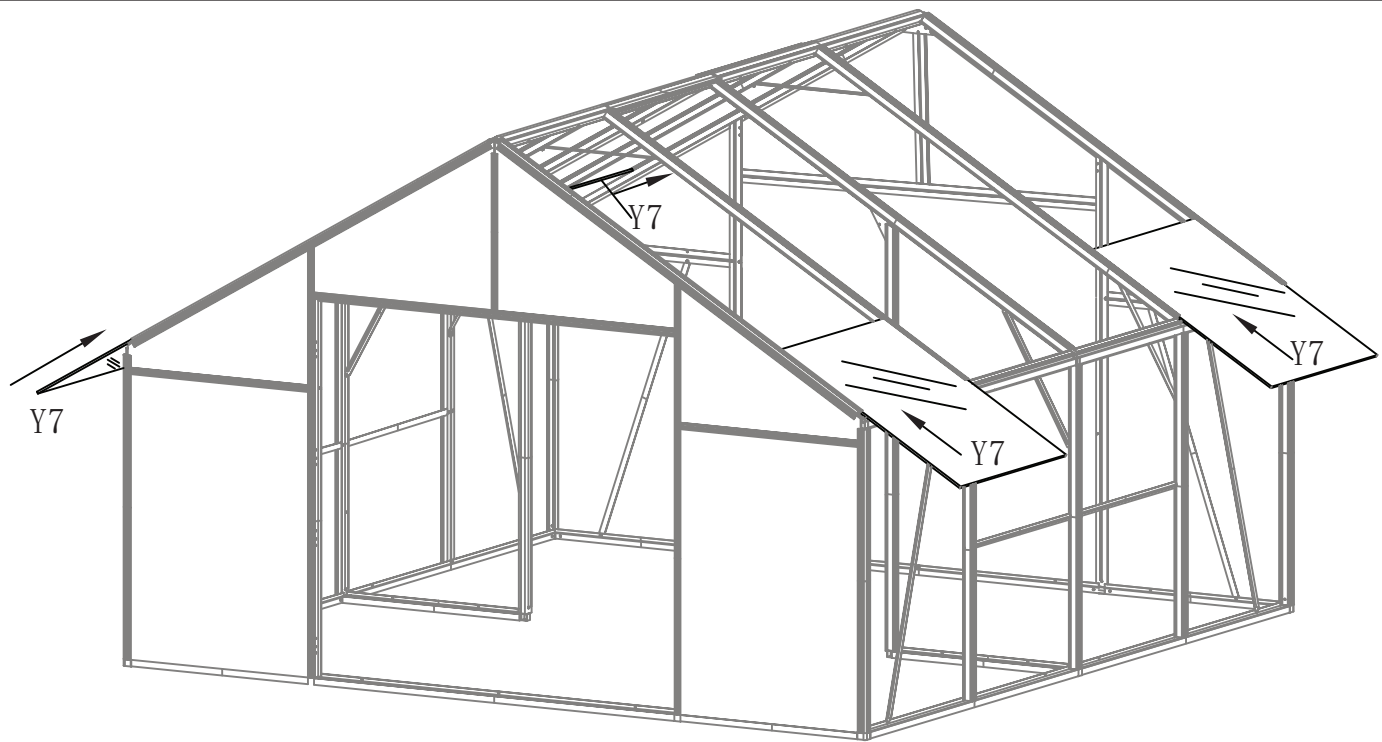












Pay attention to the cut edge of L04B which should be fixed, facing down.

Pay attention to the cut edge of L04E which should be fixed, facing up.

