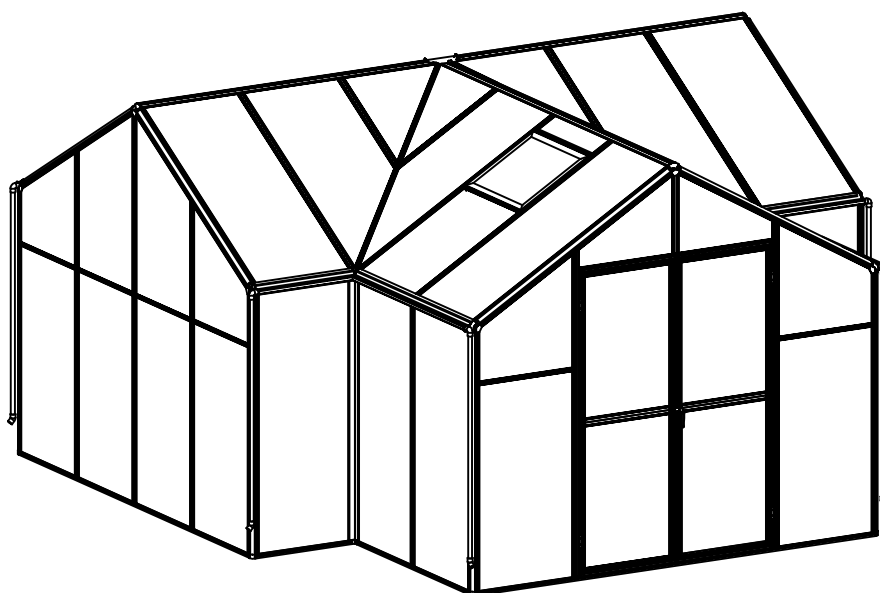


14' X 14' GREENHOUSE, 8.4' HEIGHT, ORANGERY SERIES



⚠ WARNING



- Please read and understand the product manual completely before assembly
- Check against the parts list to make sure all parts are received
- Wear proper safety goggles or other protective gears while in assembly
- Do not return the product to dealer. They are not equipped to handle your requests.

Missing parts or have questions on assembly?

Please call: 1-877-761-2819 or email: cs@tmgindustrial.com

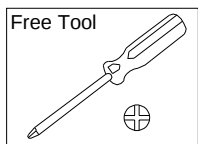
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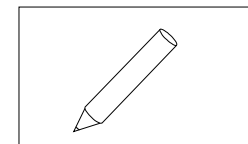
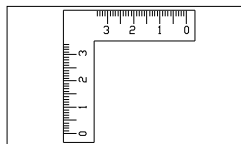
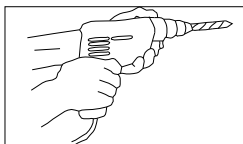
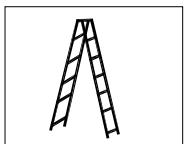
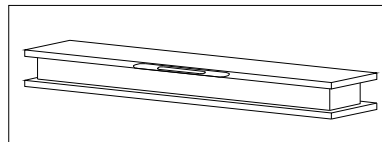
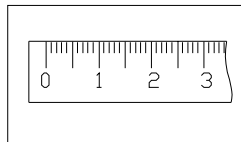
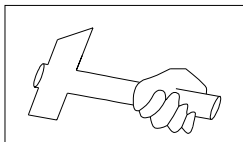
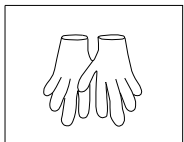
Assembly and Maintenance Advice

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

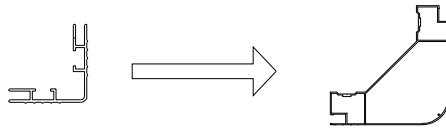


Important:

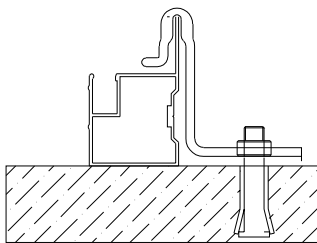
Rubber is not provided if you choose polycarbonate sheet as glazing panel.

Functions and Features:

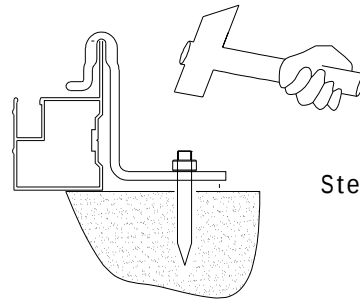
1. Compared with traditional greenhouses this new product features many significant improvements. The hollow box profile aluminium framing is much stronger than other greenhouses and it can withstand much greater pressure.



2. 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).

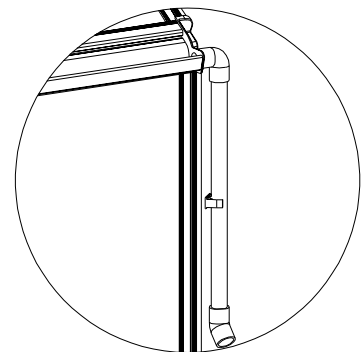


Expansion bolt
in concrete

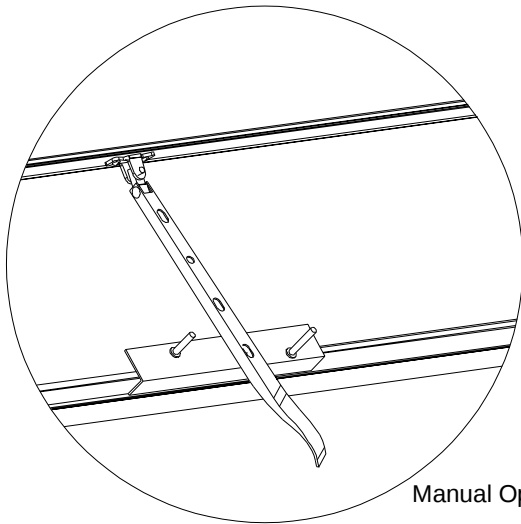


Steel bar/Lawn land

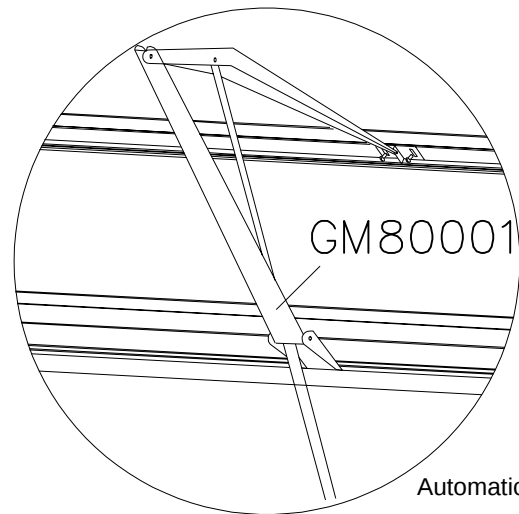
3. Our unique frame connectors make much stronger joints than conventional greenhouses.
4. The strong two part eaves beam includes an integral gutter. Downpipes are also included as standard so you can collect rainwater.



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



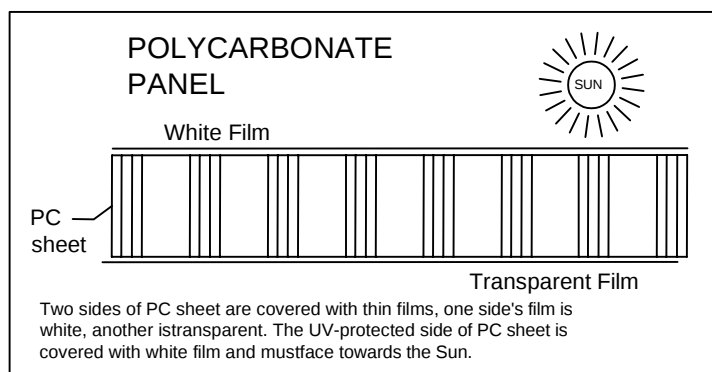
Manual Opener



Automatic Opener

Auto-Opener is sold separately

6. 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.

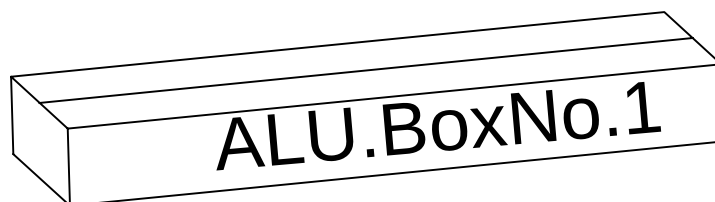


7. POWERED SCREWDRIVER RECOMMENDED

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.

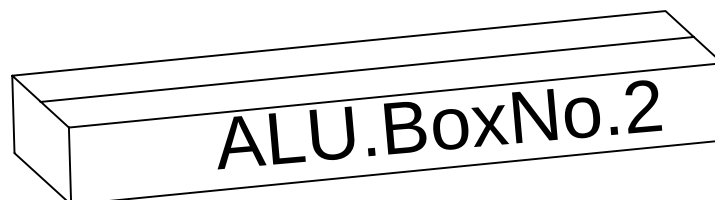
GE4606(ALU Box No. 1)

	PART	NO	QTY
1		L03C	2
2		L03E	2
		L03F	2
3		L05A	2
4		L05B	4
5		L06B	2
6		L06D	1
7		L07B	2
8		L08A	3
9		L08B	1
		L08C	1
10		L09B	2
11		L20A	1
		L20B	1
12		L28A	2



GE4606(ALU Box No. 2)

	PART	NO	QTY
1		L01A	2
2		L01B	2
3		L01C	2
4		L01D	2
5		L01C	1
		L01D	1
6		L01E	1
		L01F	1
7		L02E	10
8		L03A	6
9		L03B	6
10		L03K	4
11		L03G	2
		L03H	2
12		L04A	1
13		L26A	2
14		L27A	1
		L27B	1

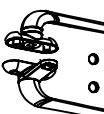


GE4606(ALU Box No. 3)

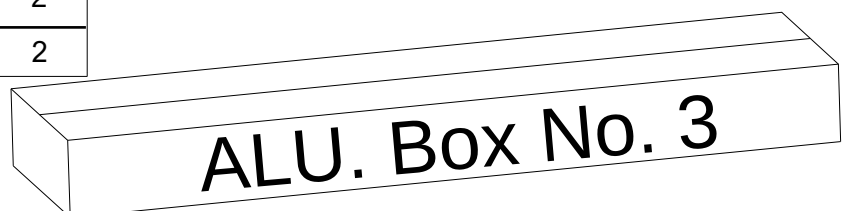
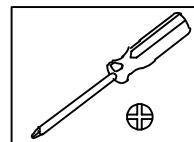
	PART	NO	QTY
1		L02F	4
2		L03D	1
		L03I	2
		L03J	1
3		L05C	2
4		L05D	4
		L05G	4
5		L05E	14
6		L05H	4
7		L07C	2
8		L07D	2
9		L08D	1
		L08F	1
10		L08E	2
11		L09C	1
		L09D	1
12		L09E	1
		L09F	1
13		L19A	8
14		L19B	4
		L20	4
15		L11	4
16		L16A	1
		L16B	1
17		L17	2
18		L18A	2
		L18B	2
19		L18C	1
		L18D	1
20		L25	6
21		L29	1

PART	NO	QTY
	A01	4
	A03	4
	A51	4
	D22	22
	D25	1
	D31	1
	D45	8
	D46	16
	D48	9
	D49	16
	D50	6
	D51	1
	D115	4
	D144	2
	D145	2
	D146	1
	D147	1
	D148	1
	D149	1
	H43	16
	J36	3
	J37R	3
	J37L	3
	J38	6
	J166	6
	J93	6
	J94	6
	J132	2
	J133	2
	D03	2

PART	NO	QTY
	S05 M6X12	18
	M03 M6	18
	S08 M8X60	22
	Z02 Ø4X16D	14
	Z08 M4.2X16	312+10
	Z17 M4.8X16	8

PART	NO	QTY
	H152	1
	D47	1
	S76 M4X32	2

Tools Provided:



GE4606(PC / Glass No. 1)

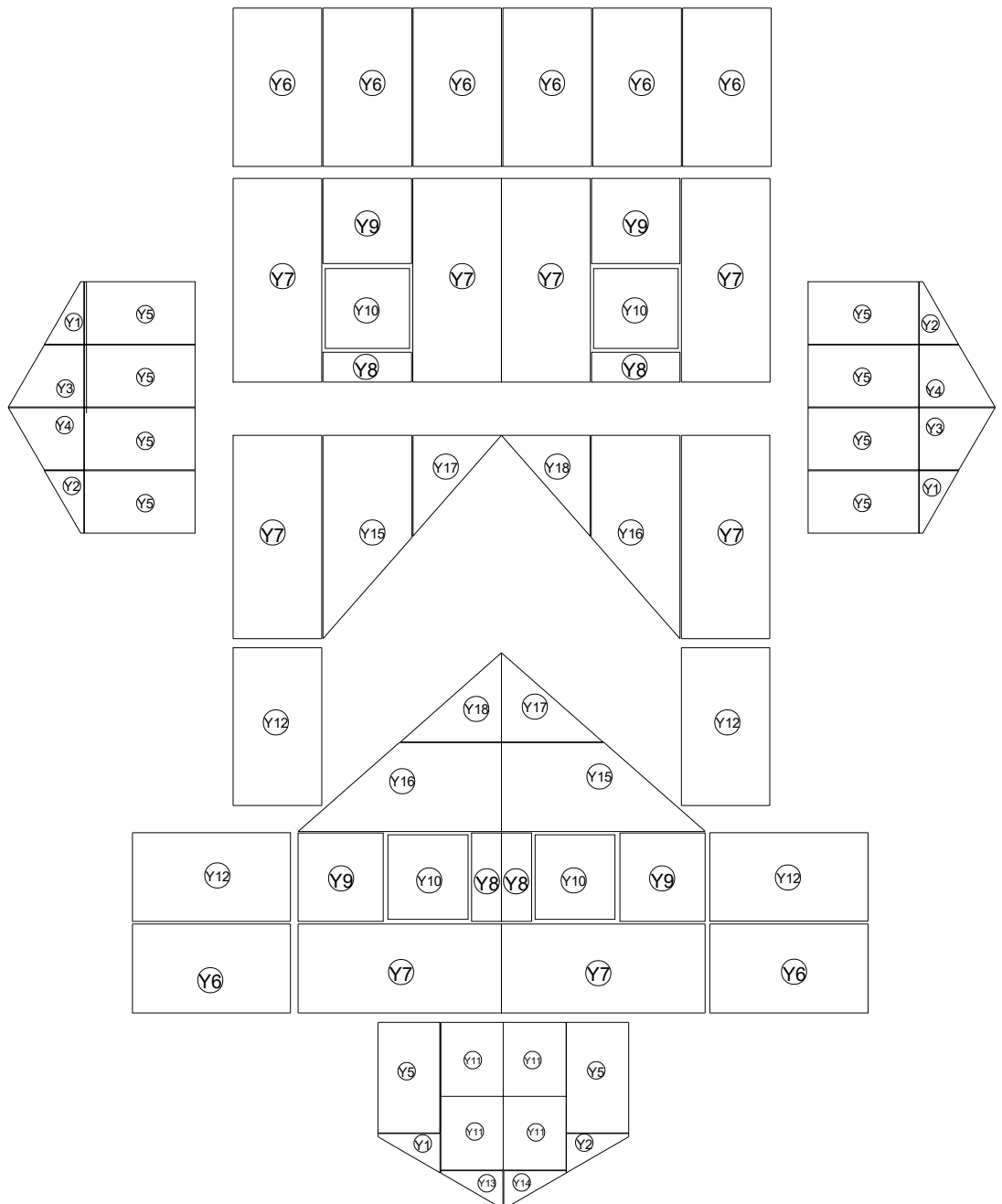
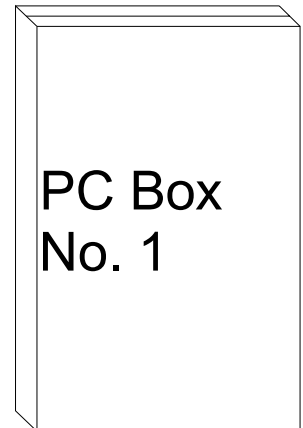
PART	NO	QTY
	Y1	3
	Y2	3
	Y3	2
	Y4	2
	Y5	10
	Y6	8
	Y7	8
	Y8	4
	Y9	4
	Y10	4
	Y11	4
	Y12	4
	Y13	1
	Y14	1
	Y15	2
	Y16	2
	Y17	2
	Y18	2

PART	NO	QTY
	J107	208M

Rubber for walls & roof
(Provided for glass only)

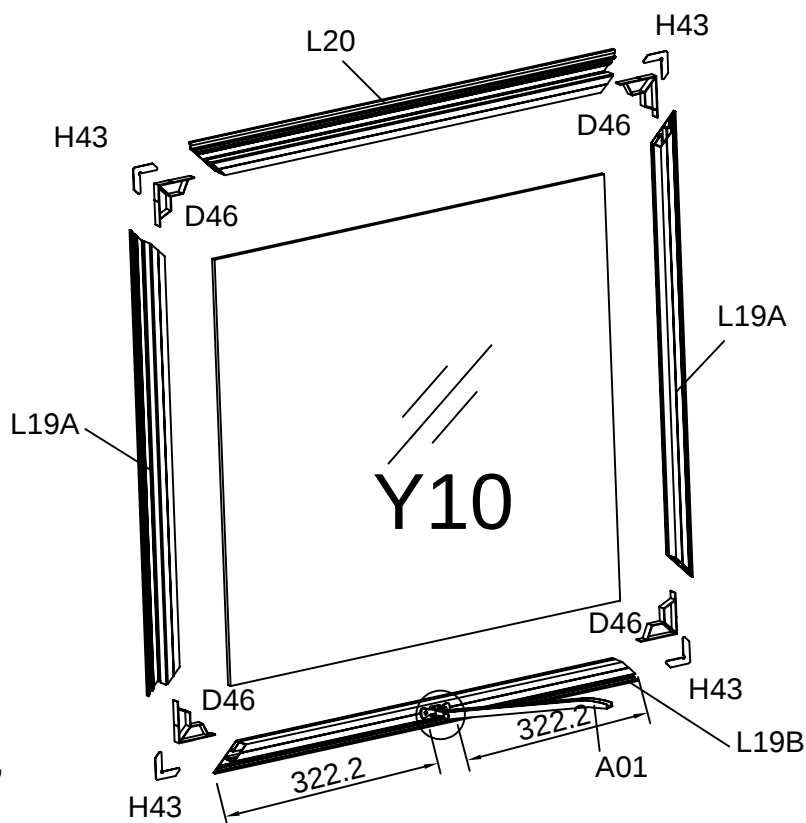
PART	NO	QTY
	J107	134M

Rubber for walls only
(Provided for glass only)

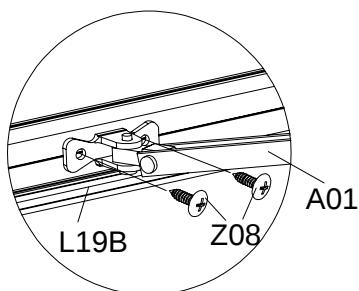


PART	NO	QTY
	L19A	2
	L19B	1
	L20	1
	D46	4
	H43	4
	Z08 M4.2X16	10
	Y10	1
	A01	1

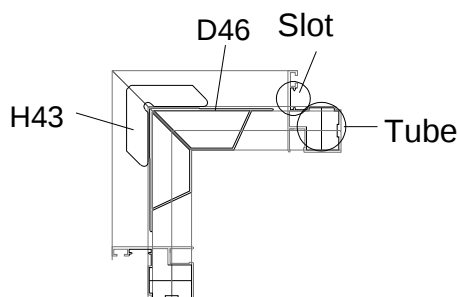
Window



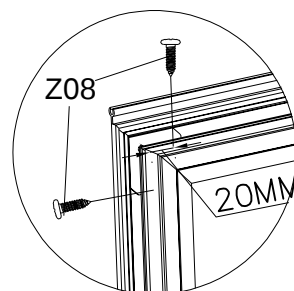
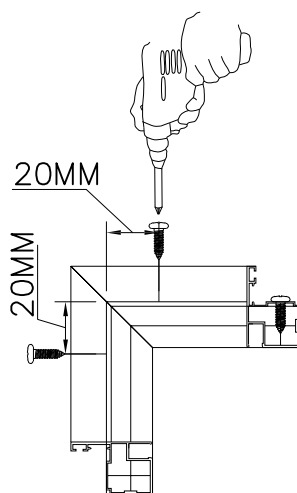
Fix A01 in the middle of L19B,
322.2mm from the ends.



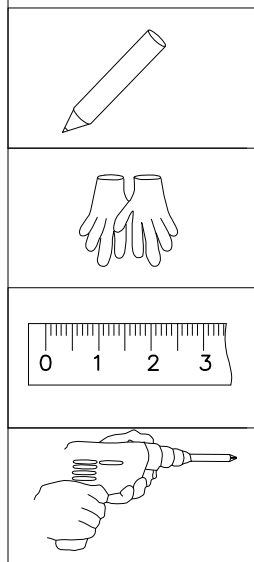
Insert H43 into the Slot
of L19A, L19B & L20



Insert D46 into the tube
of L19A, L19B & L20.

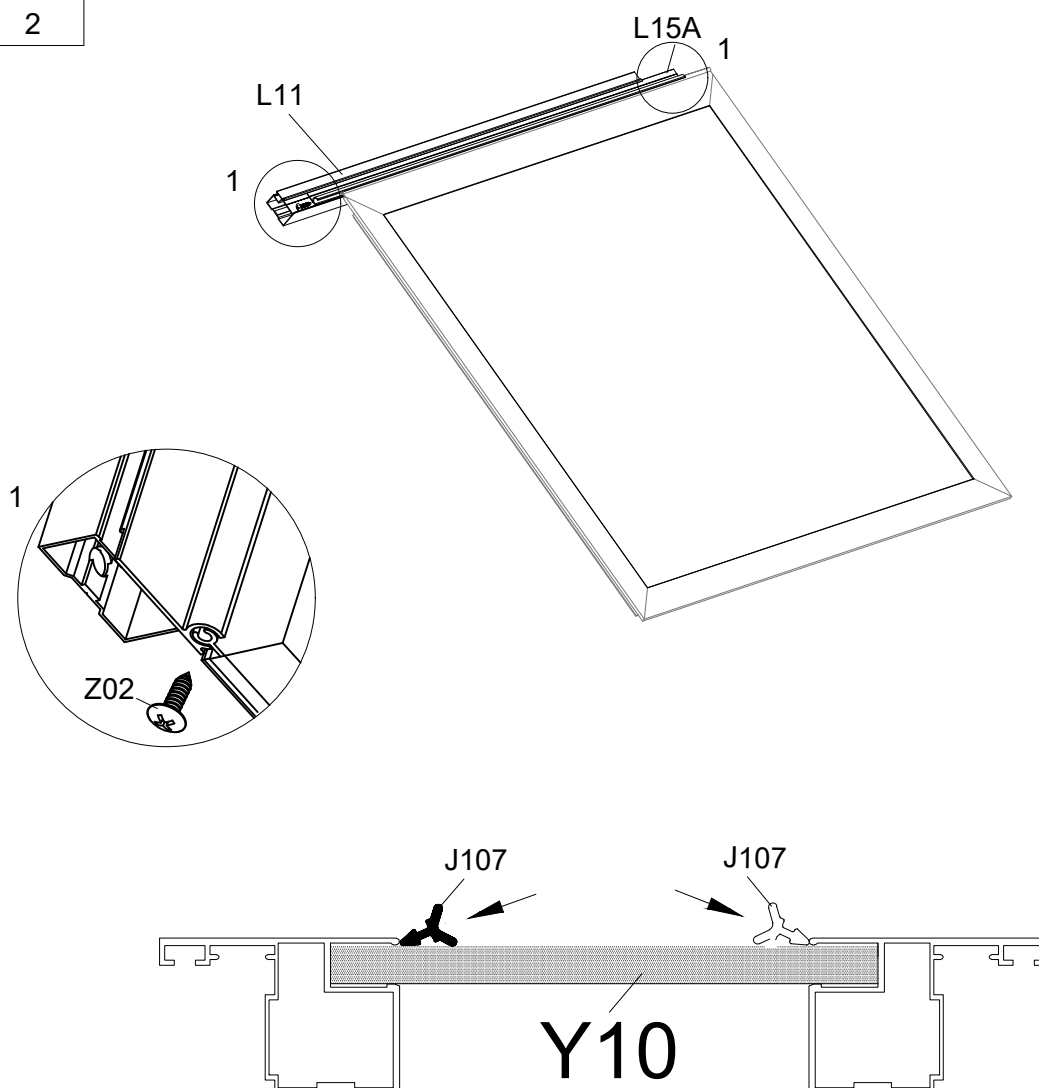


After connector D46 & part H43 are in
positions, make a pencil mark at about
20MM from each end of L19A, L19B and L20.
Use a powered screwdriver to fix them
together with screw Z08. Make sure there
is no gaps between the angle of each profile.

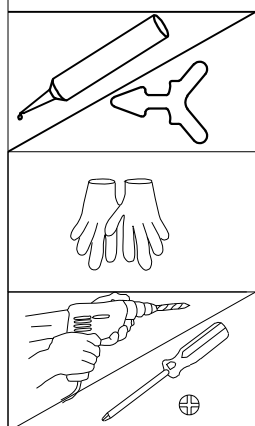


PART	NO	QTY
	L11	1
	Z02 Ø4X16D	2

PART	NO	QTY
	J107	2.65M

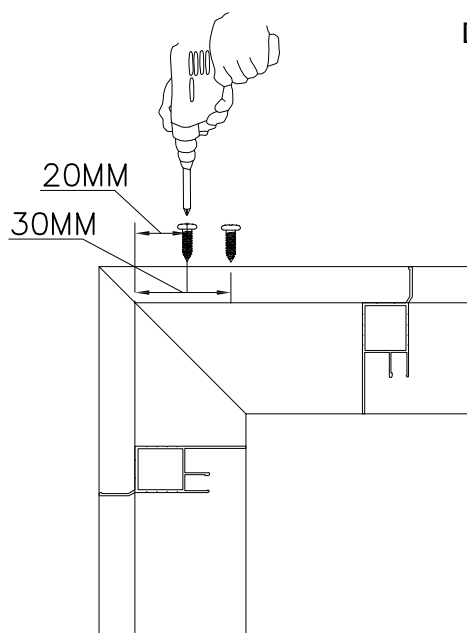
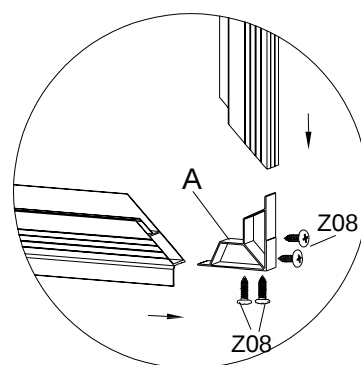
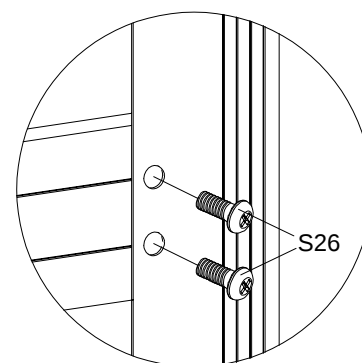
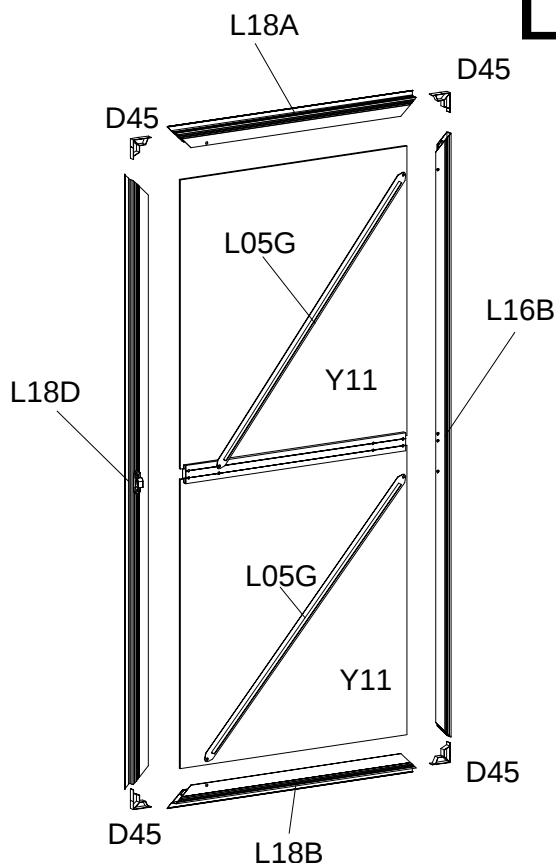


If glass is chosen, please seal it with rubber (J107) provided.
If polycarbonate sheet is chosen, rubber is not provided.
Please seal it with silicone sealant (not provided).

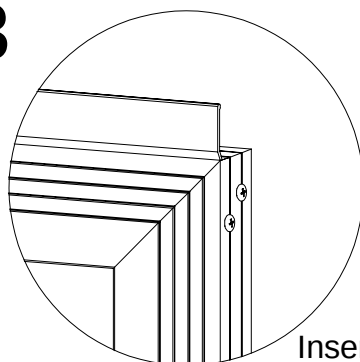


PART	NO	QTY
	L16A	1
	L16B	1
	L17	2
	L18A	2
	L18B	2
	L18C	1
	L18D	1
	L05G	4
	D45	8
	S26 M5X12	10
	Z08 M4.2X16	32
	S05 M6X12	6
	M03 M6	6
	Y11	4

Left Door

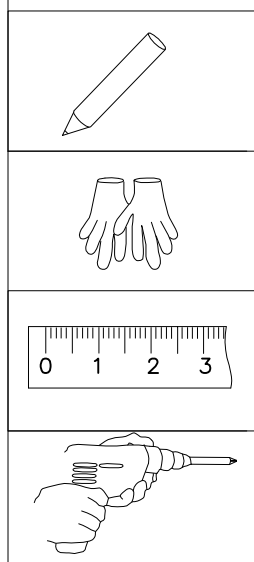
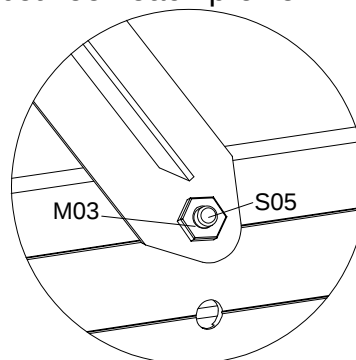
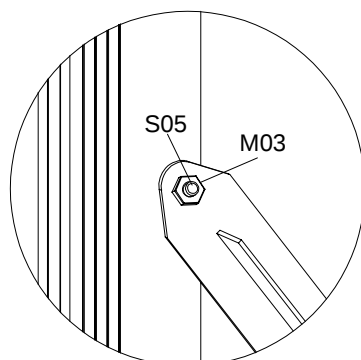


3

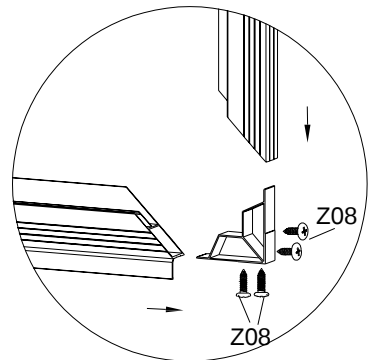
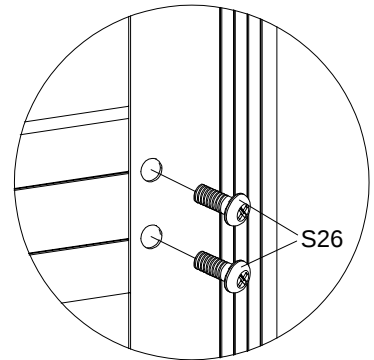
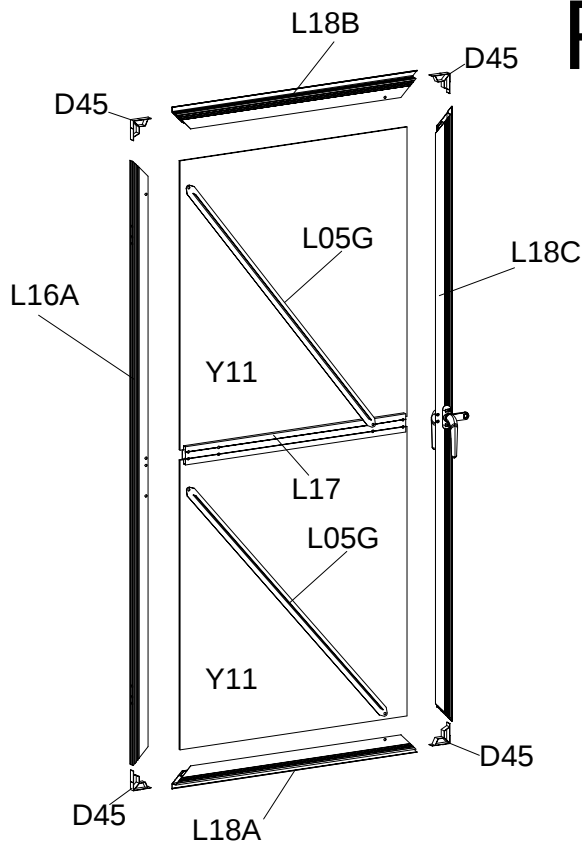


Insert Connector D45 into each end of frame profiles L16B & L18A & L18B & L18D, and then fix them with screws Z08.

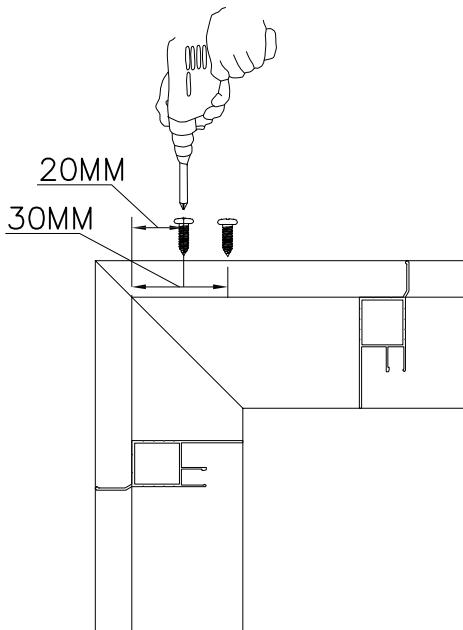
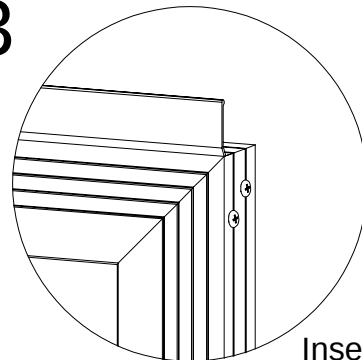
Before fixing with screws, please mark them with a pencil at distance about 20/30mm from each end, and make sure there is no gaps between each profile.



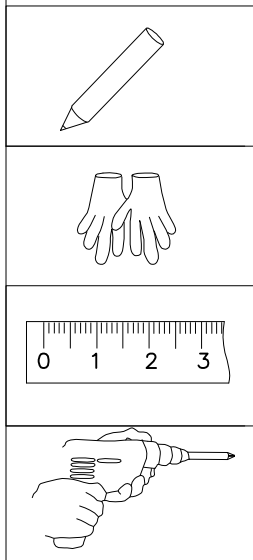
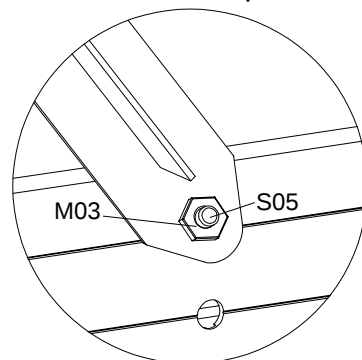
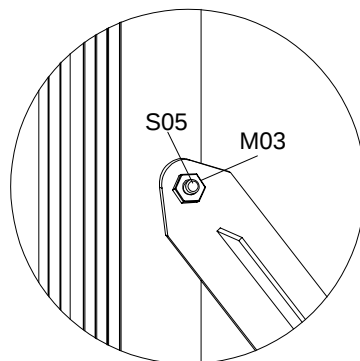
Right Door

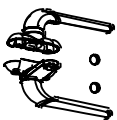


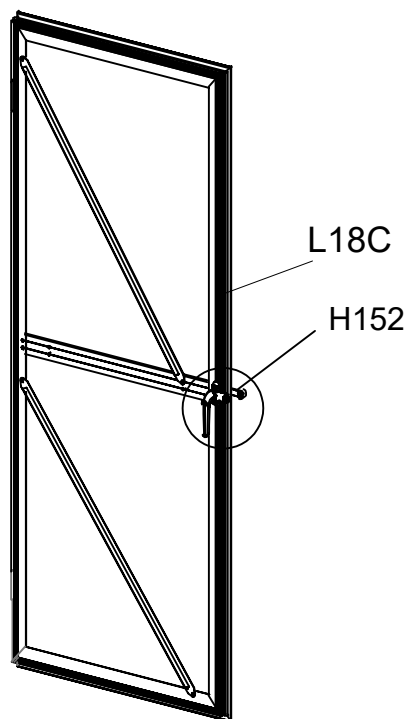
3



Insert Connector D45 into each end of frame profiles L16A & L18A & L18B & L18C, and then fix them with screws Z08. Before fixing with screws, please mark them with a pencil at distance about 20/30mm from each end, and make sure there is no gaps between each profile.

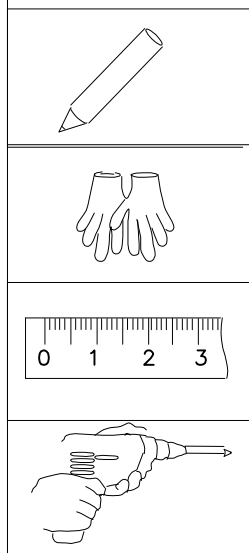
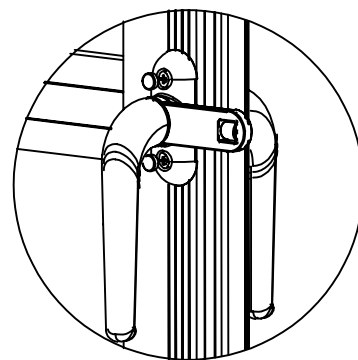
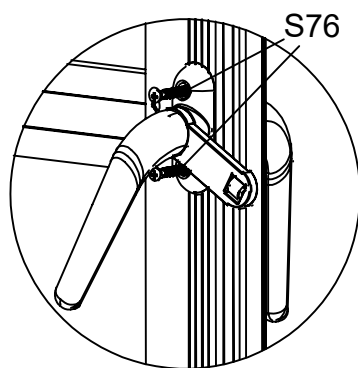
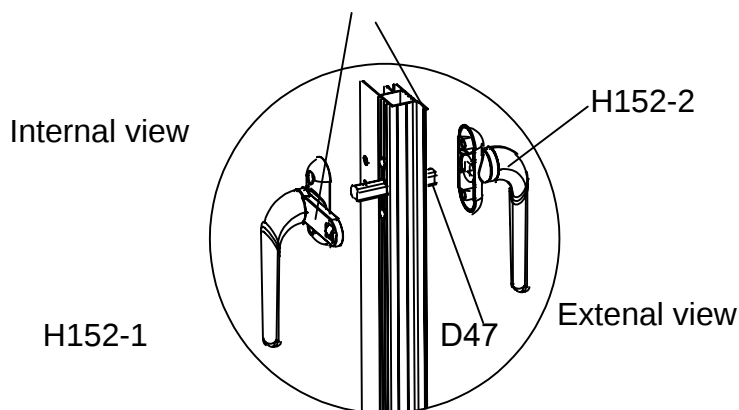


PART	NO	QTY
	H152	1
	D47	1
	S76 M4X32	2

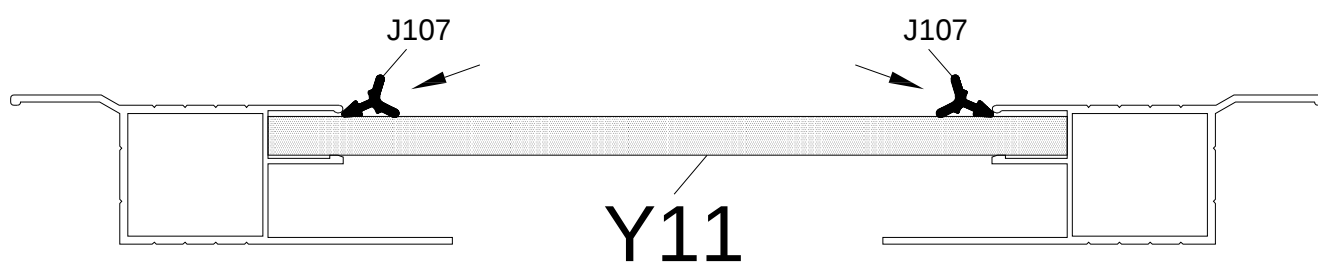
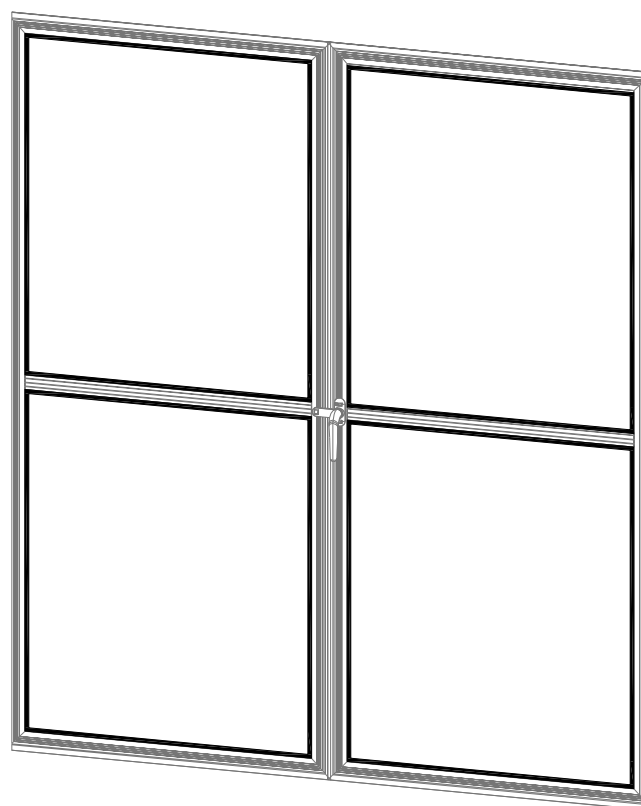


After installing the door, attach handle H152.
First, insert D47 into the door hole, then install H152.
When installing, ensure that the long tongue of H152-1
faces towards the edge of the door, and align the
square hole of H152-1/2 with D47 before inserting it.
Secure it in place with screw S76, and finally,
attach the decorative cover.

Pay attention to the installation direction



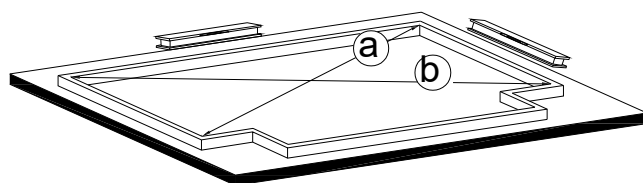
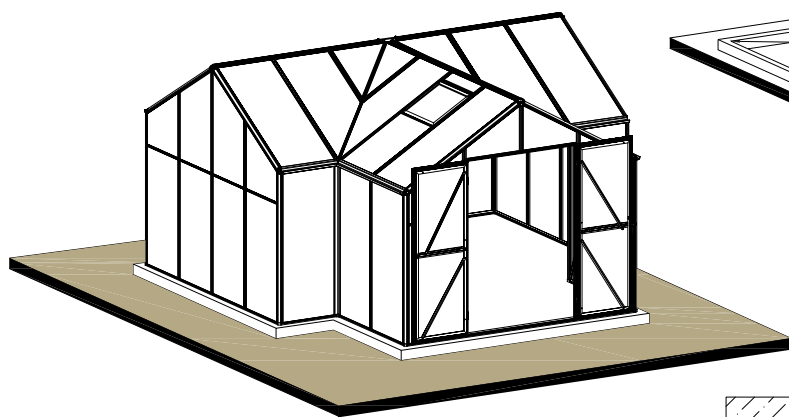
PART	NO	QTY
	J107	12.8M



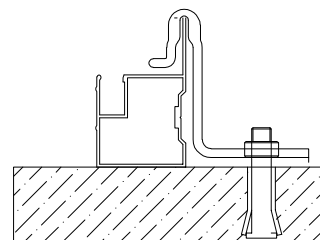
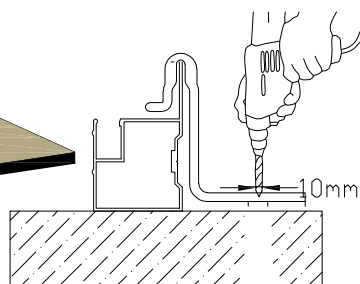
If glass is chosen, please seal it with rubber(J107) provided.

Noted:

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



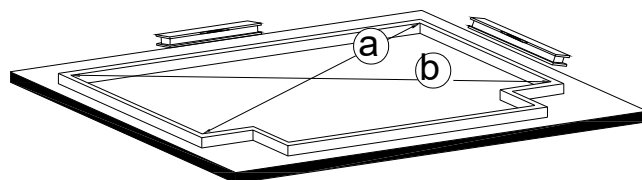
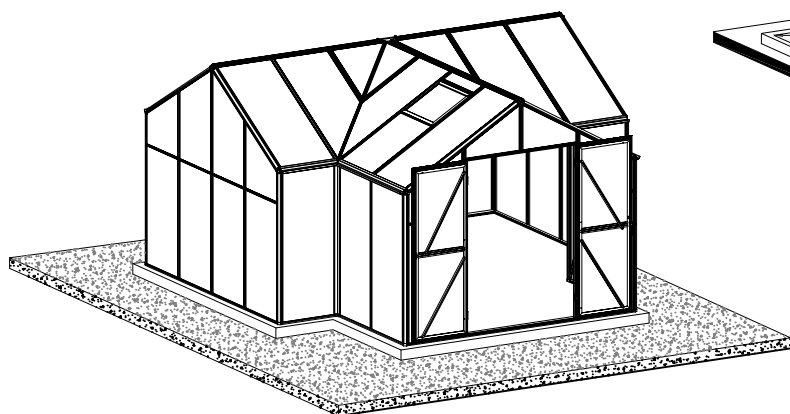
$a = b$



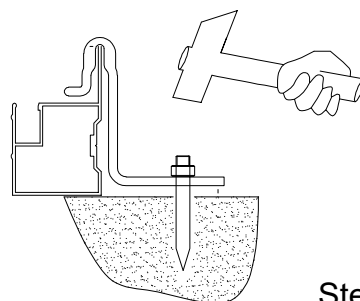
Expansion
screw/Concrete
ground



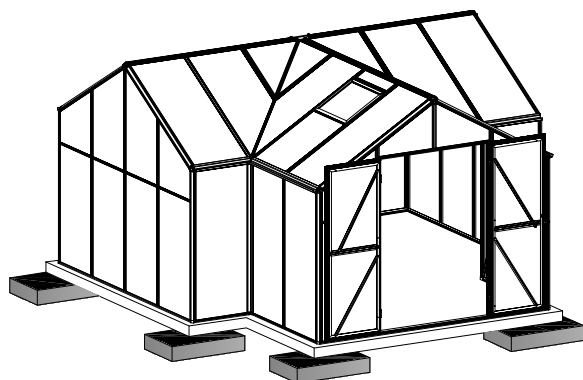
*It is essential the dimensions $a + b$ are the same to ensure the base is square.



$a = b$



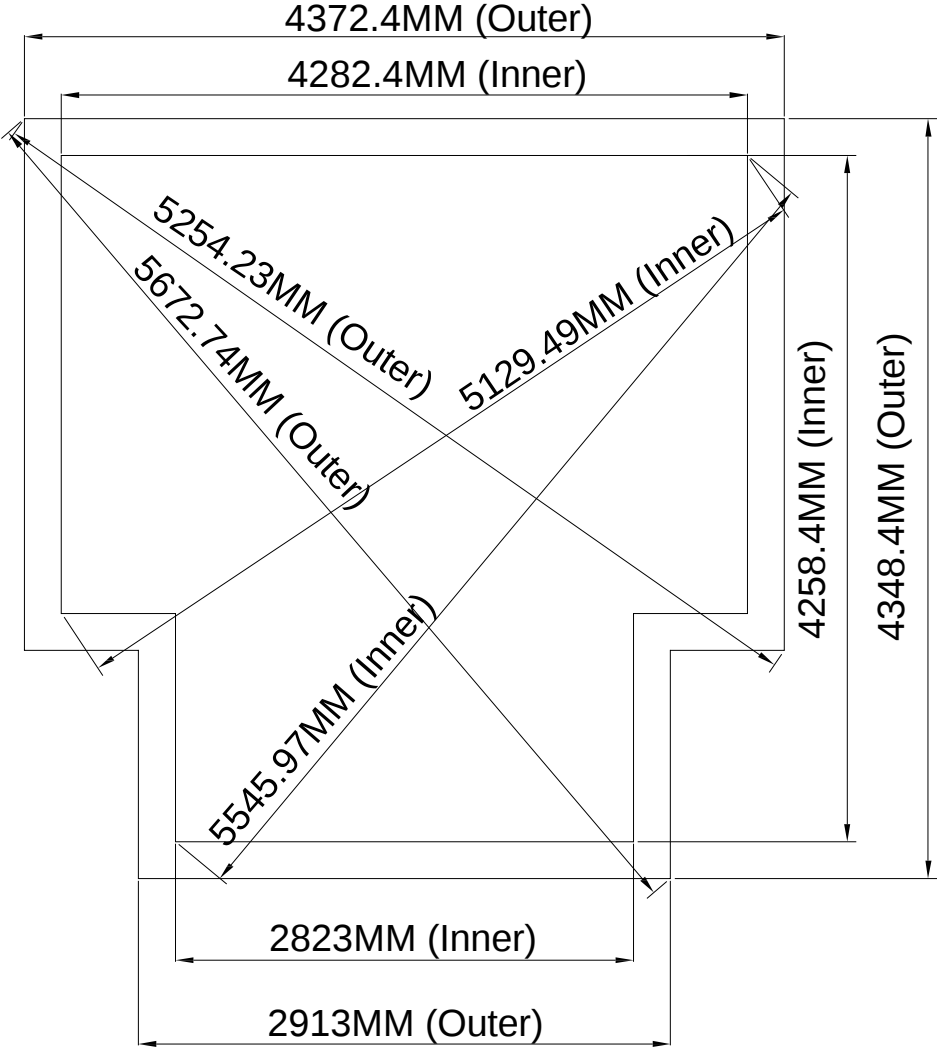
Steel pegs in soil



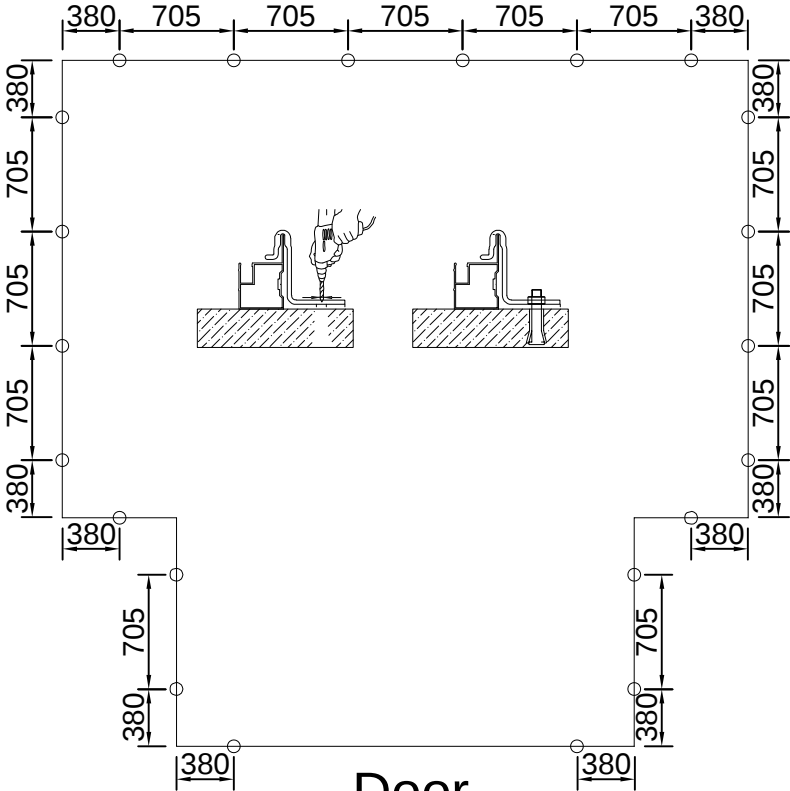
Support at the corners only is inadequate.



PART	NO	QTY
	D22	22
	S08 M8X60	22

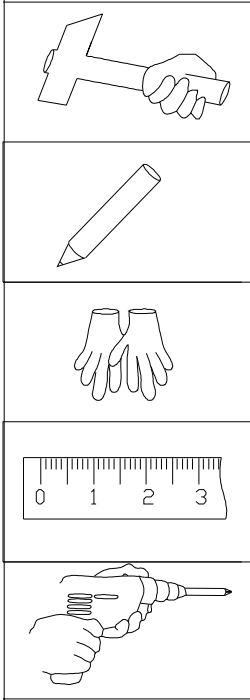


Door

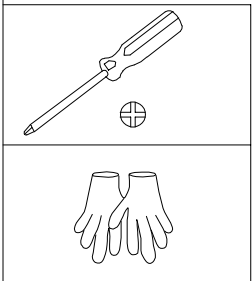
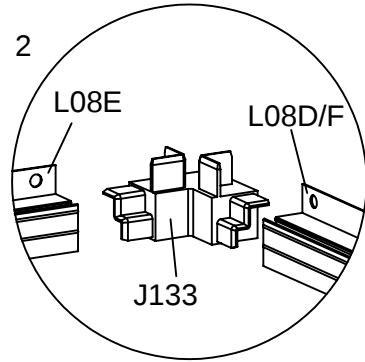
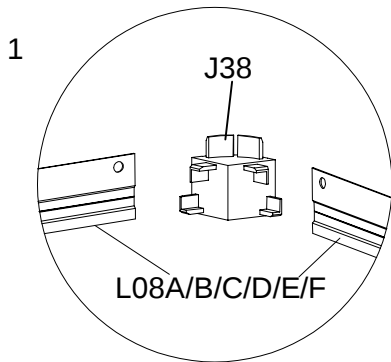
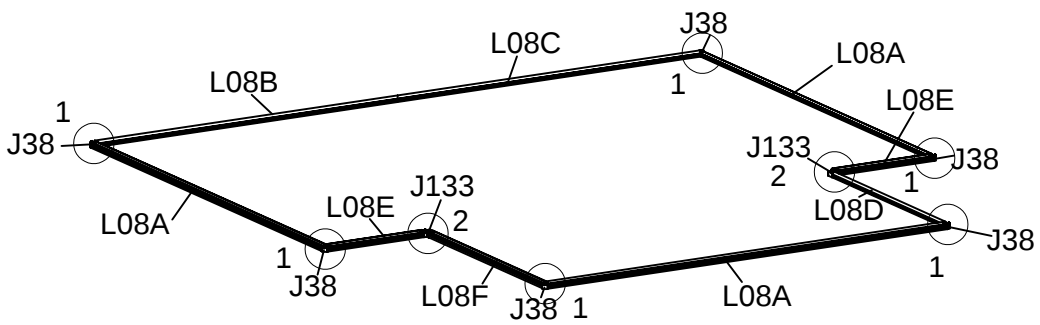


Door

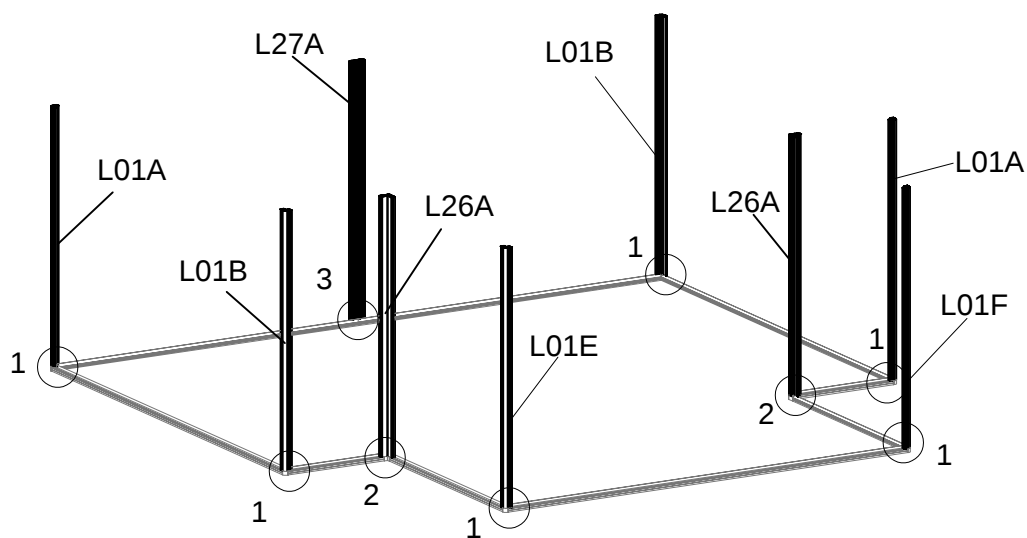
* This shows a layout for D22's positions where it is placed in the middle of glazing panel for each section.



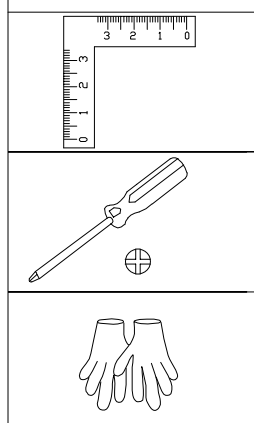
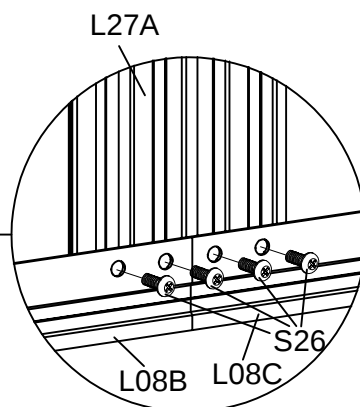
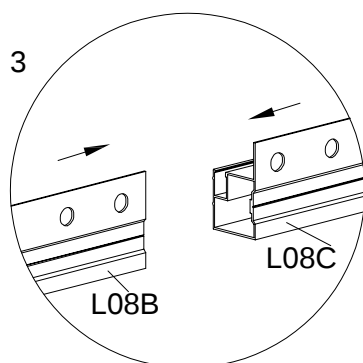
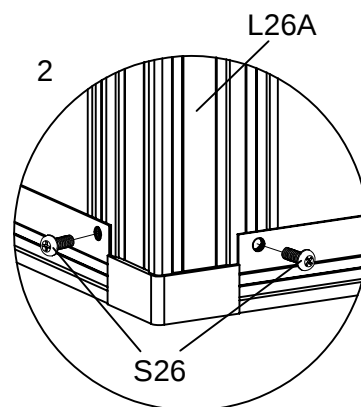
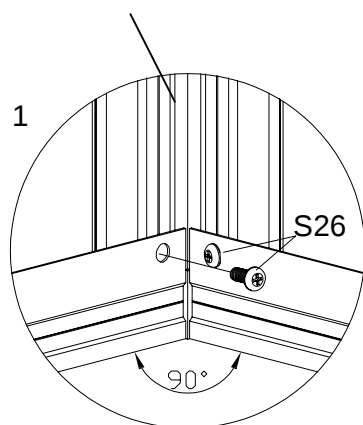
PART	NO	QTY
	L08A	3
	L08B	1
	L08C	1
	L08D	1
	L08E	2
	L08F	1
	J38	6
	J133	2



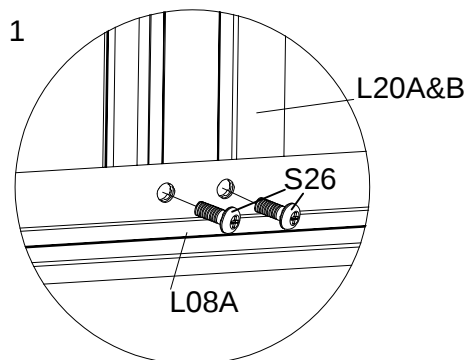
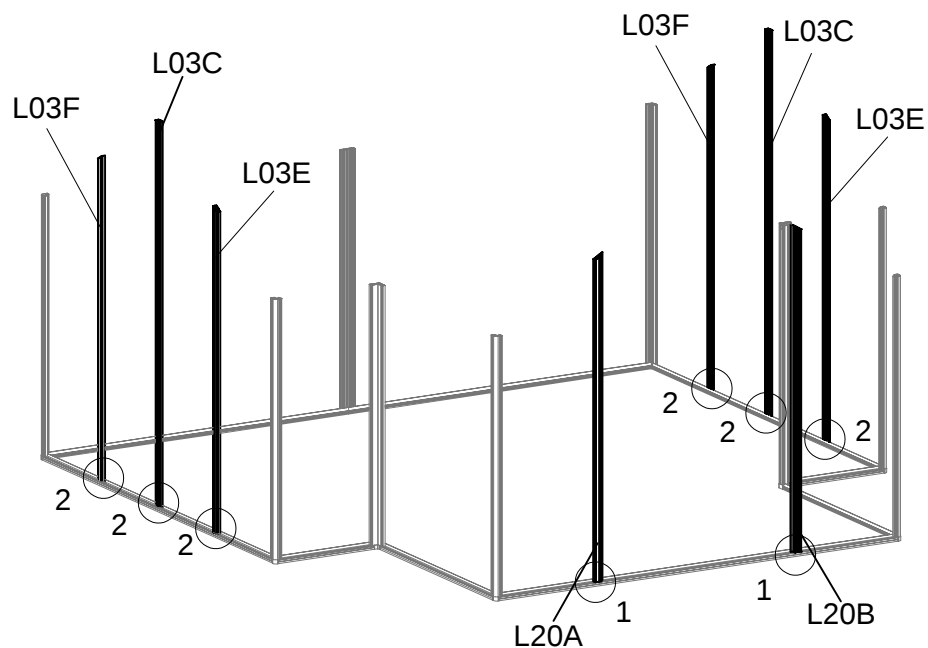
PART	NO	QTY
	L01A	2
	L01B	2
	L01E	1
	L01F	1
	L26A	2
	L27A	1
	S26 M5X12	20



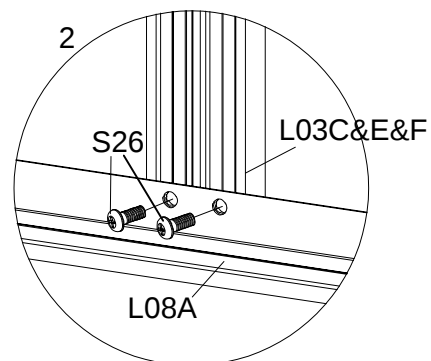
L01A&B&E&F



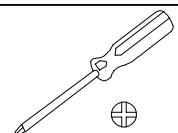
PART	NO	QTY
	L03C	2
	L03E	2
	L03F	2
	L20A	1
	L20B	1
	S26 M5X12	16



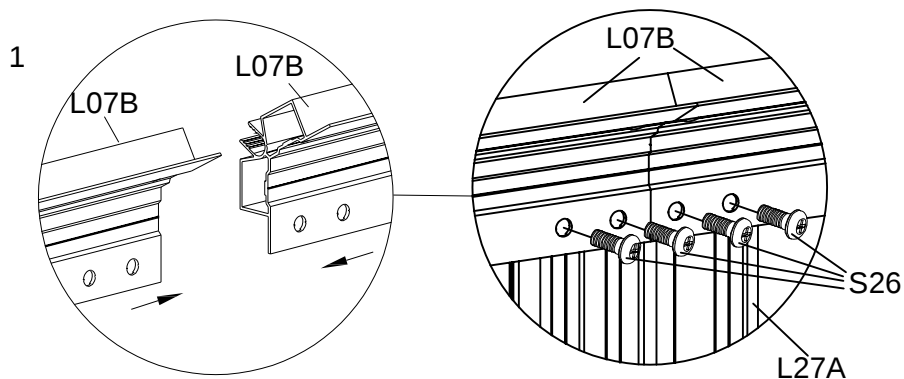
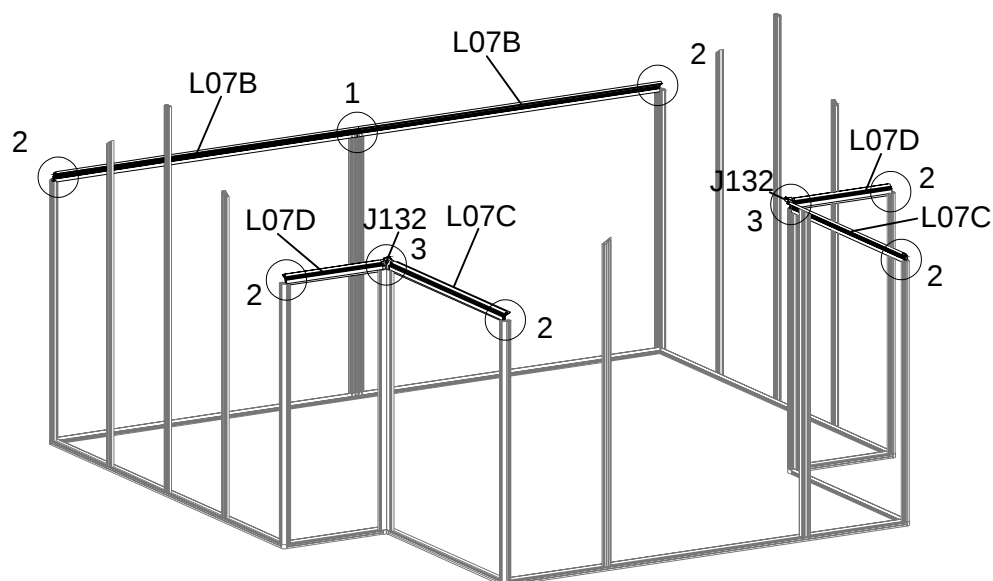
Fix L20A & L20B to L08A, using S26.



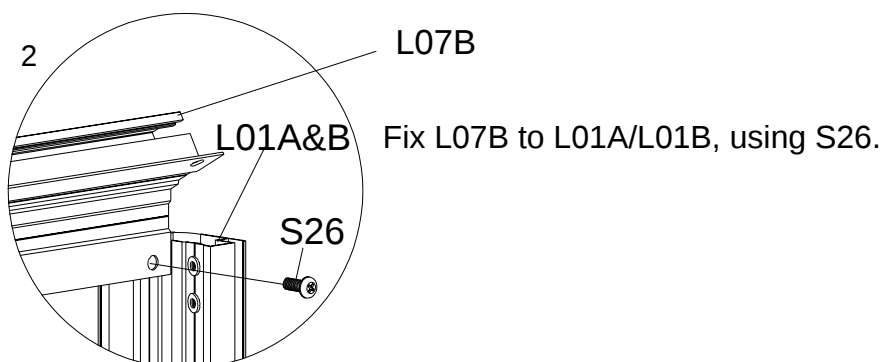
Fix L03C, L03E & L03F to L08A on the other side as shown, using S26.



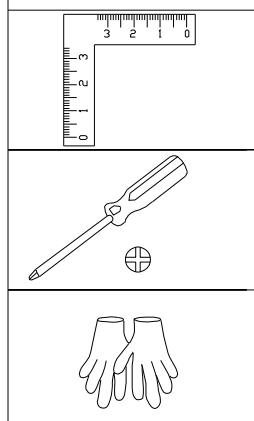
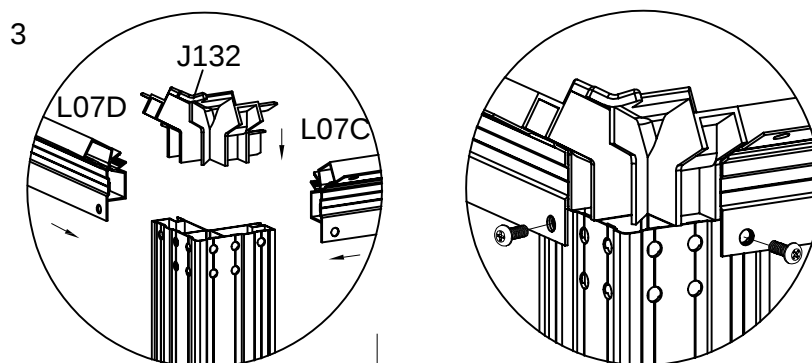
PART	NO	QTY
	L07B	2
	L07C	2
	L07D	2
	J132	2
	S26 M5X12	14



Fix L07B to L27A, using S26.



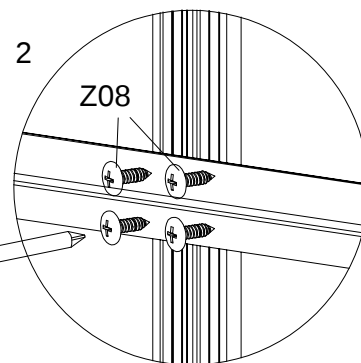
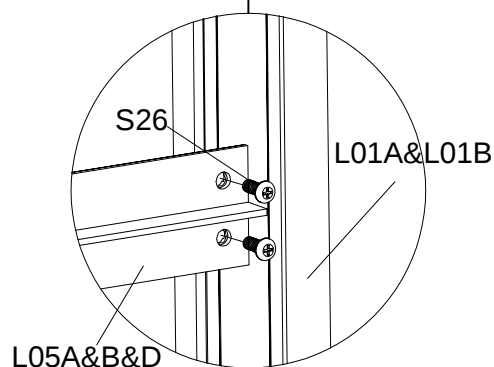
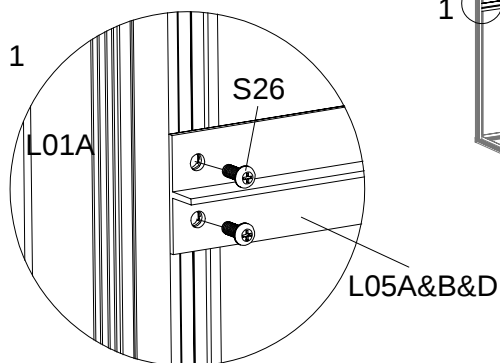
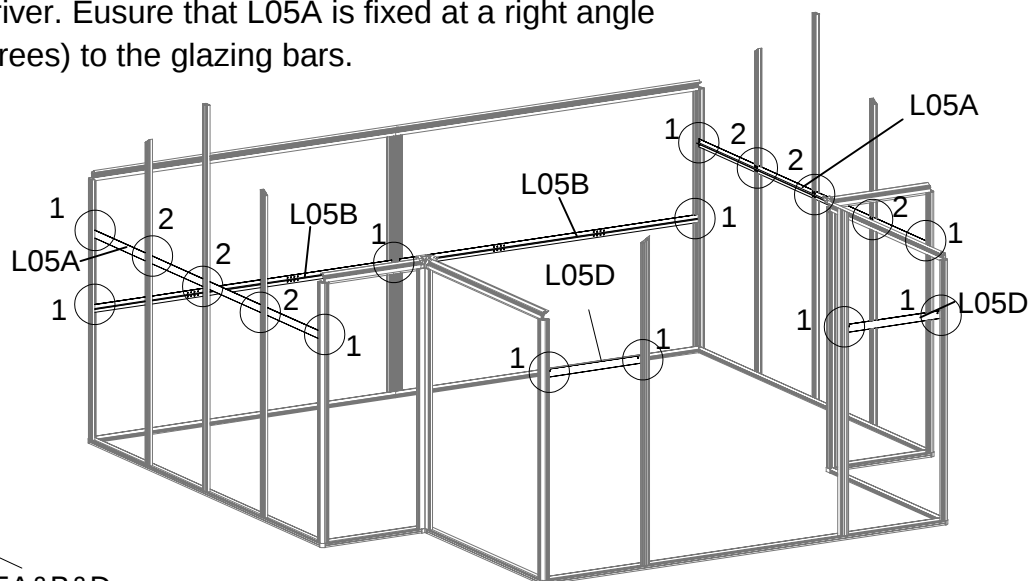
Fix L07C & L07D to L01A/L01B with J132, using S26.



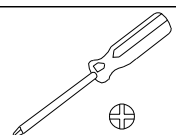
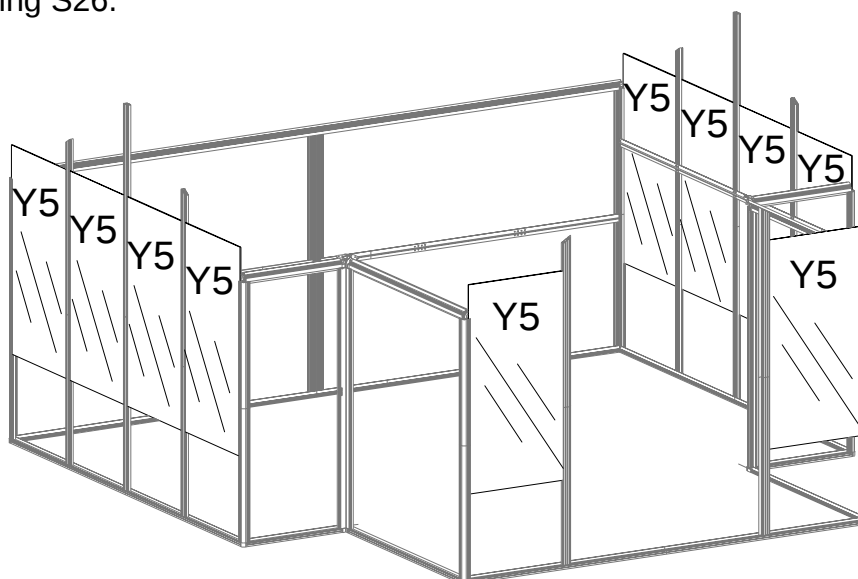
PART	NO	QTY
	L05A	2
	L05B	2
	L05D	2
	Y5	10
	S26 M5X12	24
	Z08 M4.2X16	24

Fix two ends of L05A to L01A/L01B using S26.

Fix L05A to L03C, L03E & L03F with Z08, using a powered screwdriver. Ensure that L05A is fixed at a right angle (90 degrees) to the glazing bars.

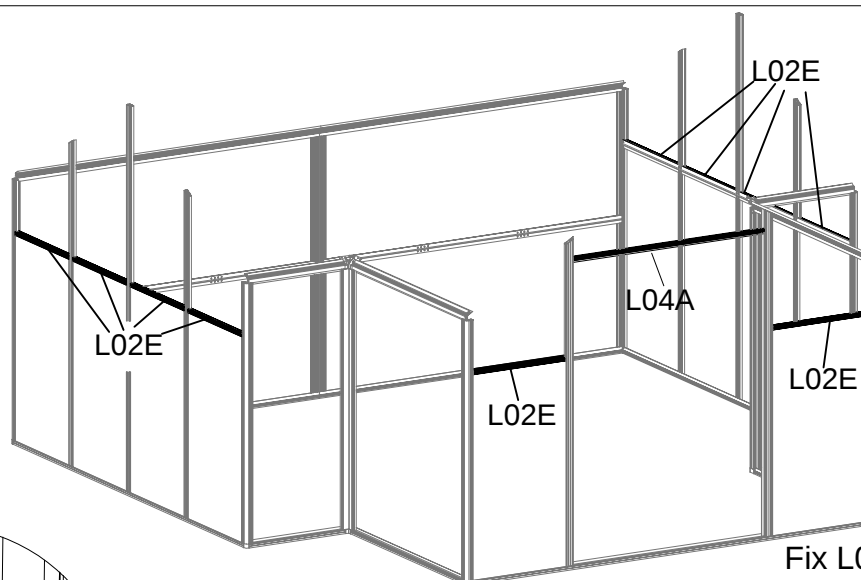


Fix L05A/L05B/L05D to L01A/L01B/L01E/L01F and L20A/L20B/L27A, using S26.

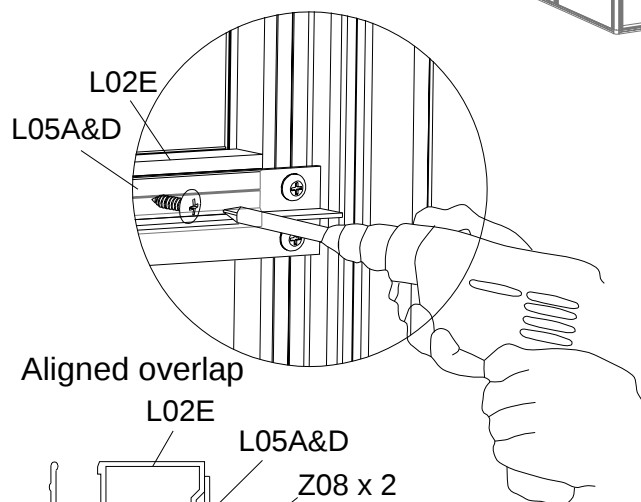


Slide the glazing panel Y5 into positions

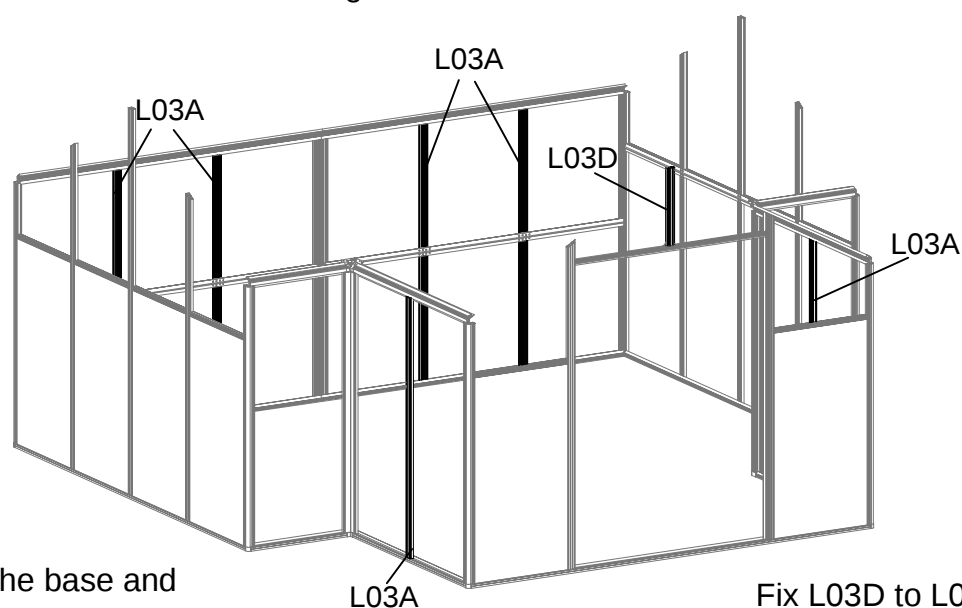
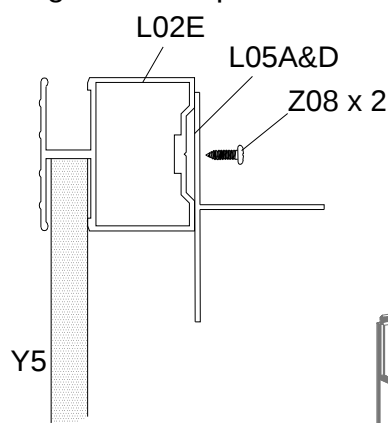
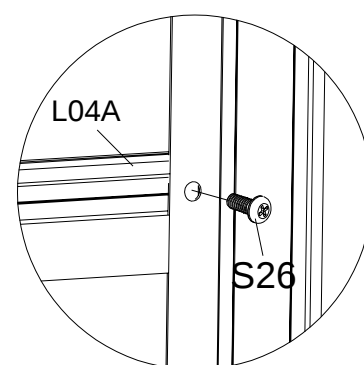
PART	NO	QTY
	L02E	10
	L03A	6
	L03D	1
	L04A	1
	D51	1
	S26	34
	M5X12	
	Z08	
	M4.2X16	20



Fix L04A to L20A & L20B, using S26.

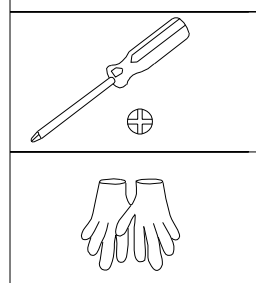
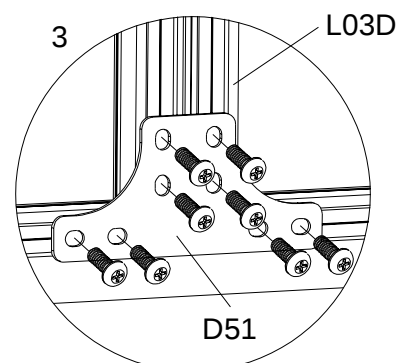
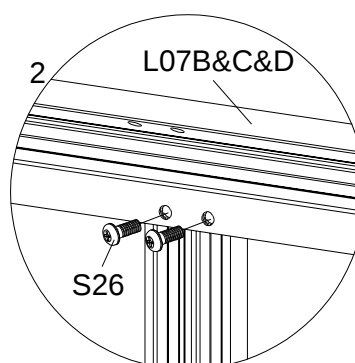
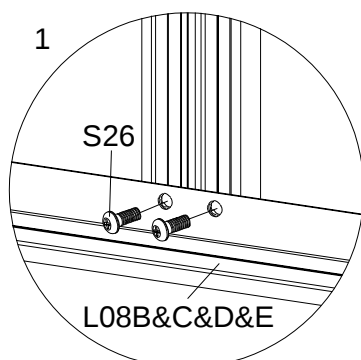


Install L02E (10PCS)
Insert the other end of Y5 into the channel of L02E, and then fix them to L05A/L05D, using Z08. Make sure L02E and L05A/L05D must be aligned.

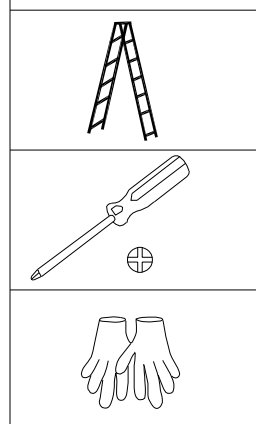
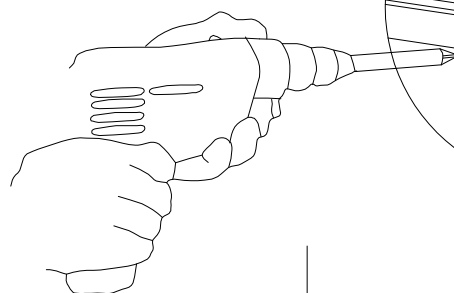
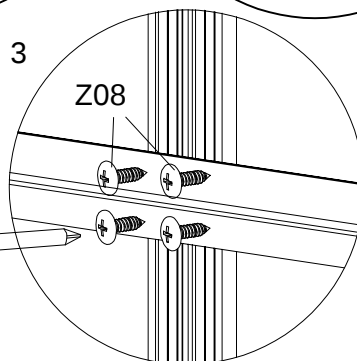
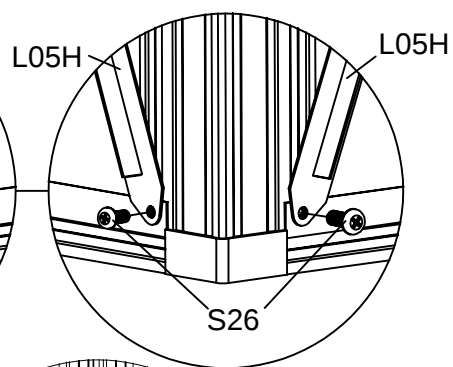
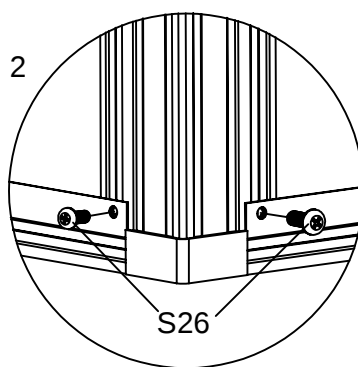
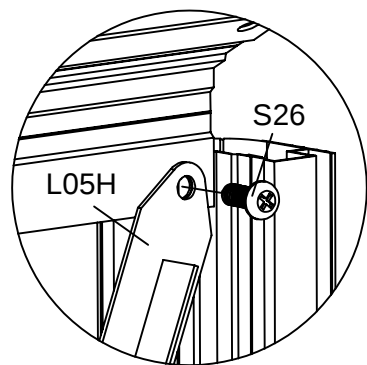
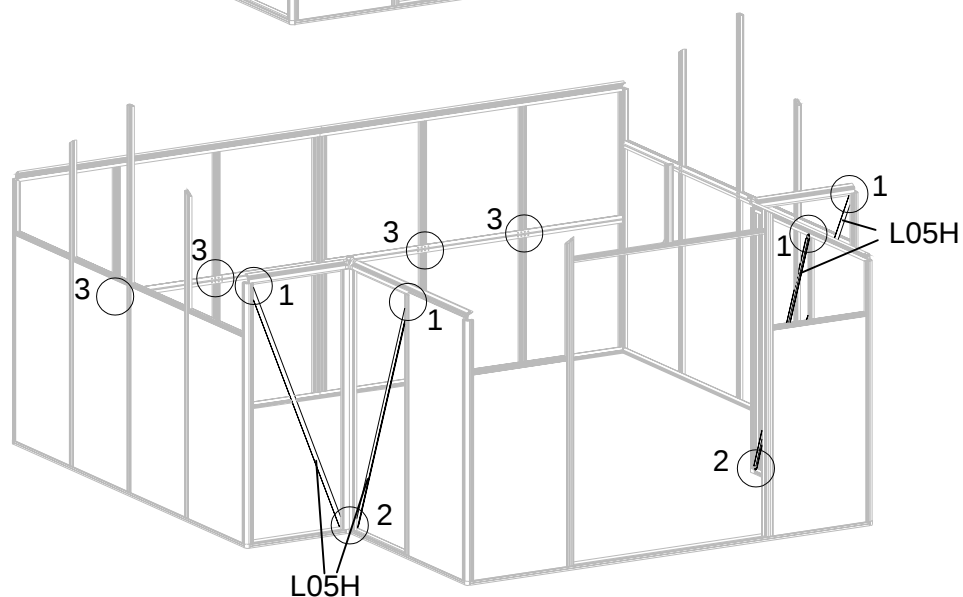
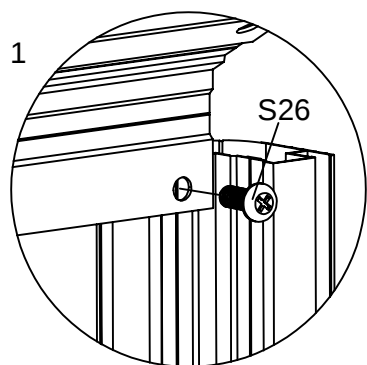
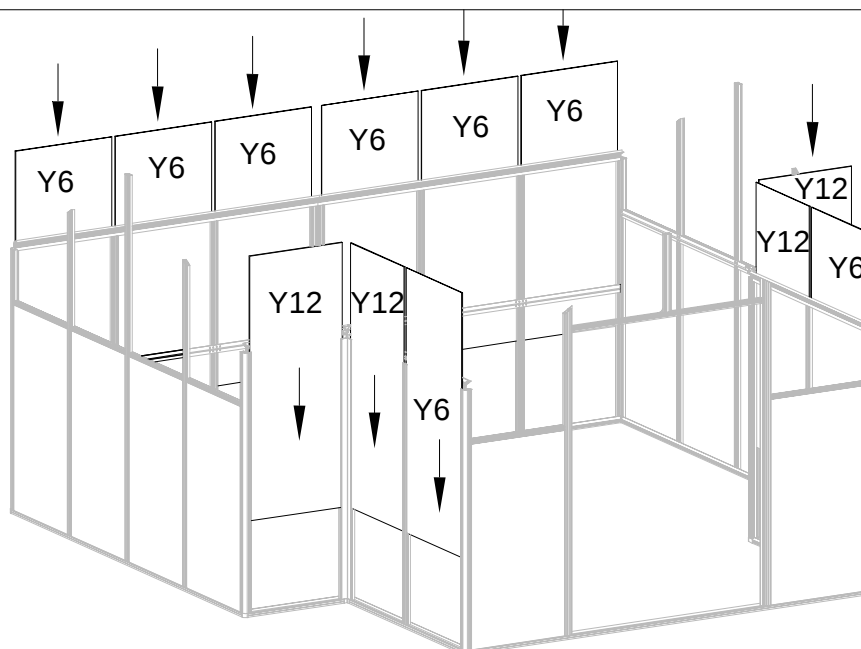


Fix L03A (6PCS) to the base and eave profiles, using S26.

Fix L03D to L04A with D51, using S26

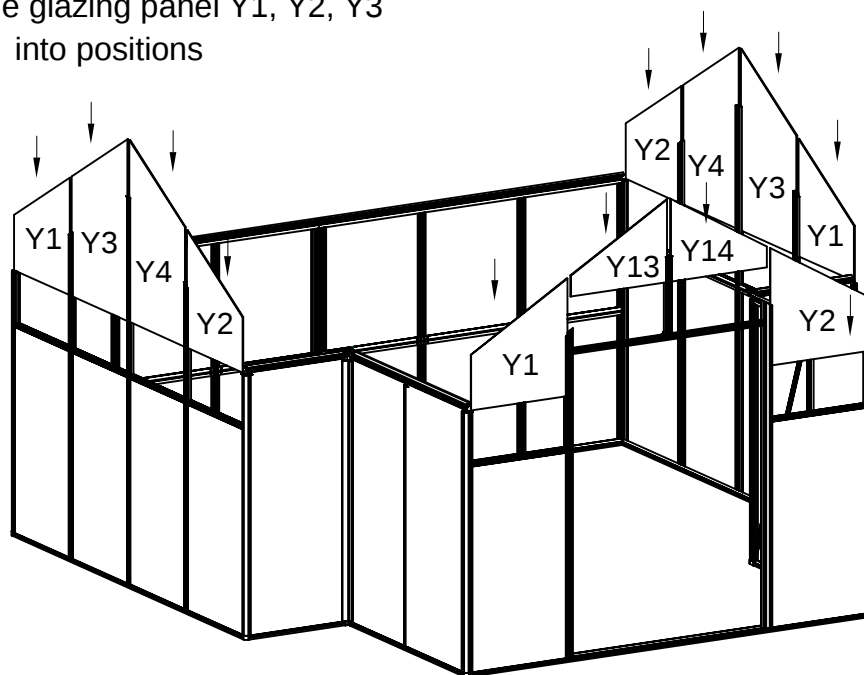


PART	NO	QTY
	L05H	4
	Y6	8
	Y12	4
	Z08 M4.2X16	20



PART	NO	QTY
	L01C	3
	L01D	3
	D48	9
	D50	6
	Y1	3
	Y2	3
	Y3	2
	Y4	2
	Y13	1
	Y14	1
	S26 M5X12	72

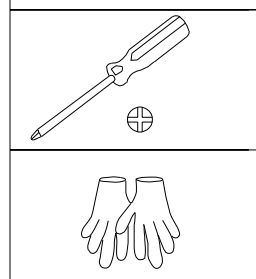
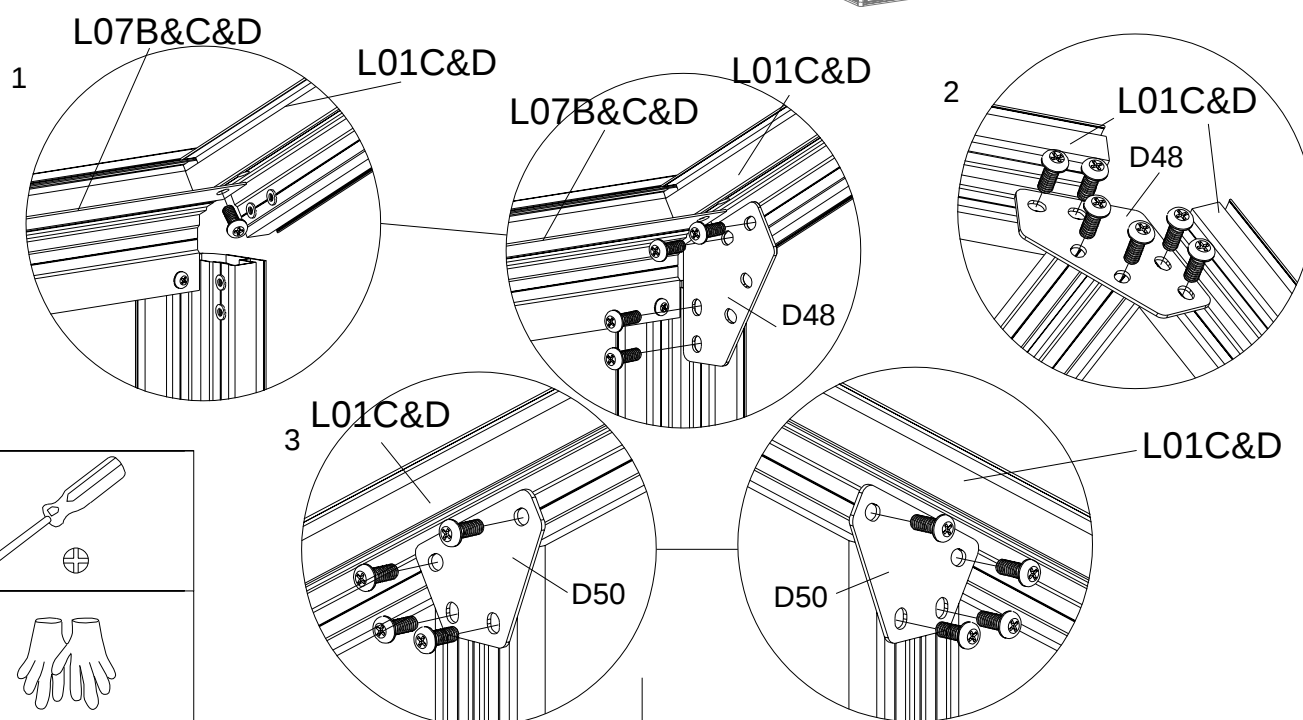
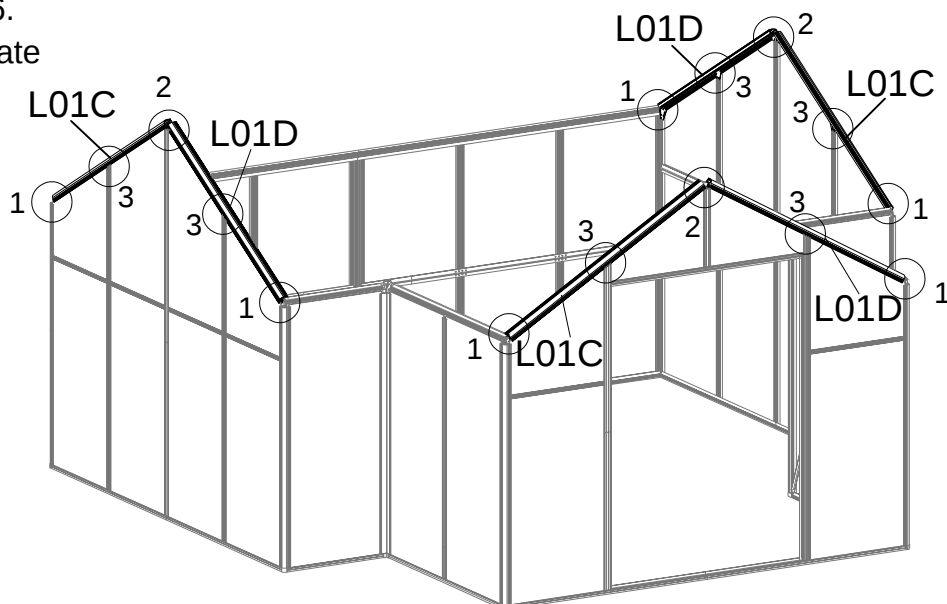
Slide the glazing panel Y1, Y2, Y3
and Y4 into positions



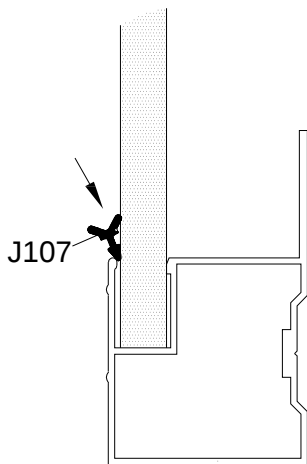
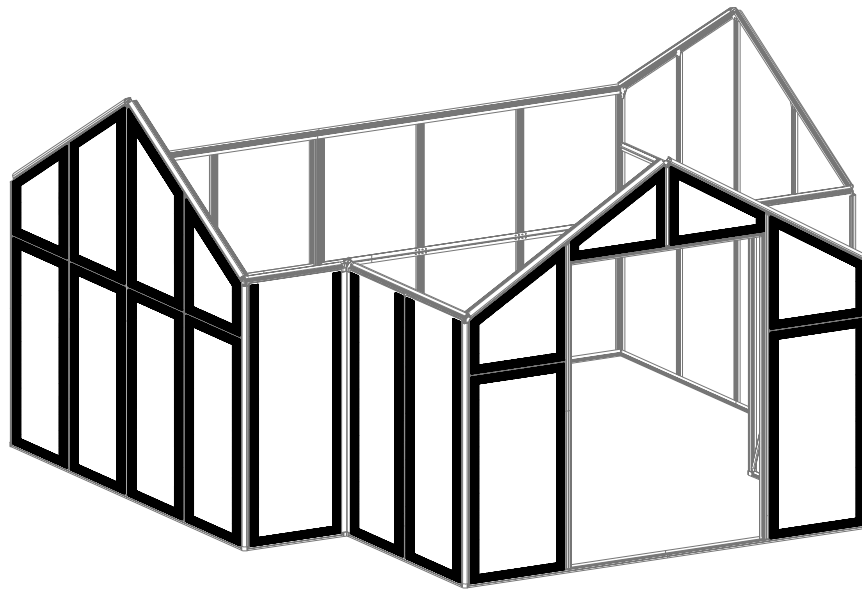
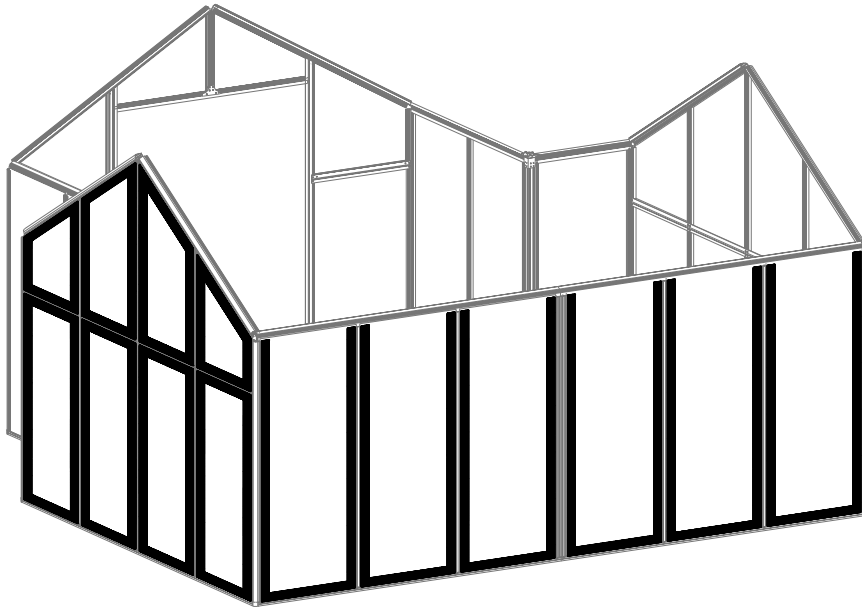
1. Fix L01C/L01D to L07B/L07C/L07D
with plate D48, using S26.

2. Fix L01C to L01D with plate
D48, using S26

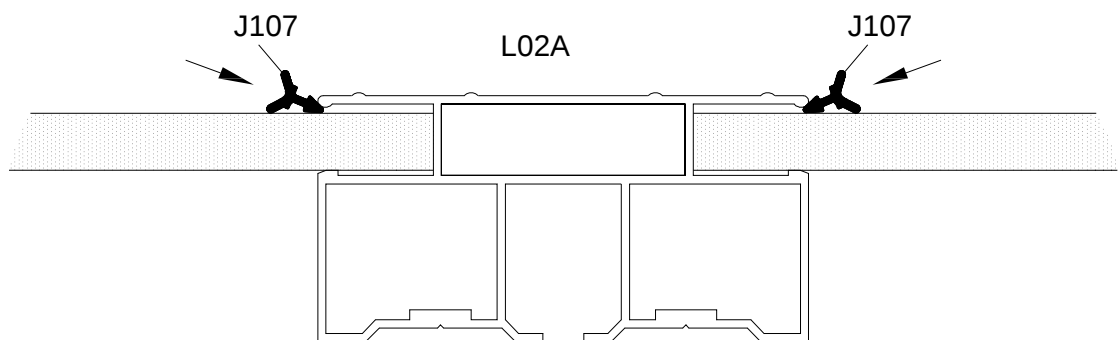
3. Fix L01C & L01D to
L20A & L20B/L03C,
L03E & L03F with
plate D50/D48,
using S26.



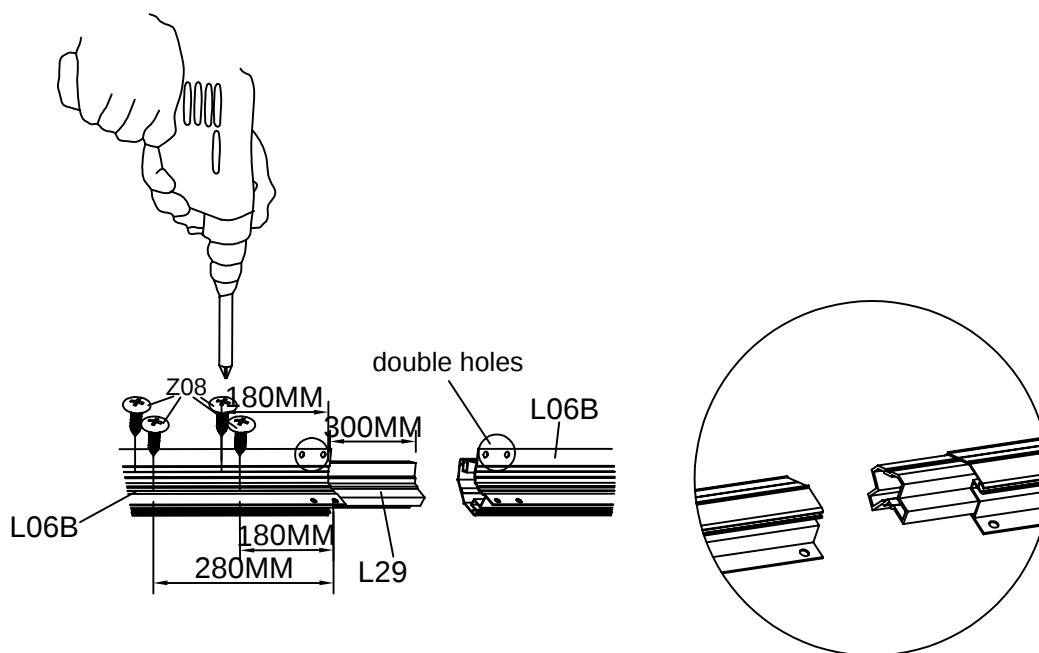
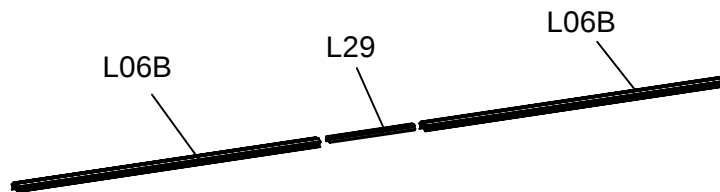
PART	NO	QTY
	J107	121M



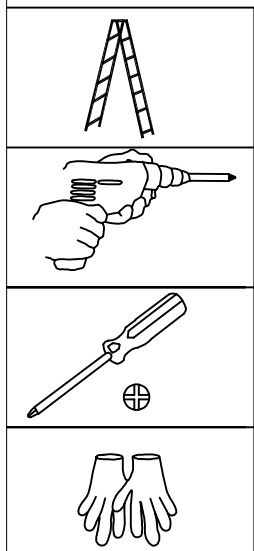
If glass is chosen, please seal it with rubber(J107) provided.



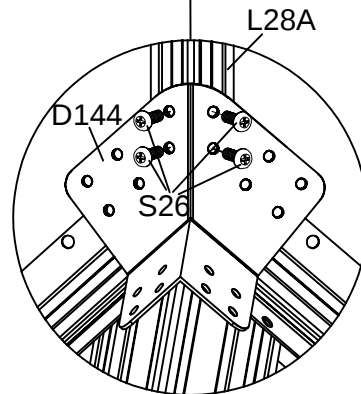
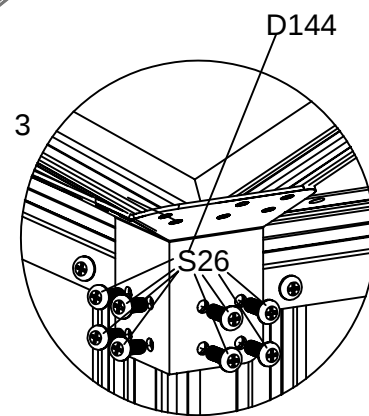
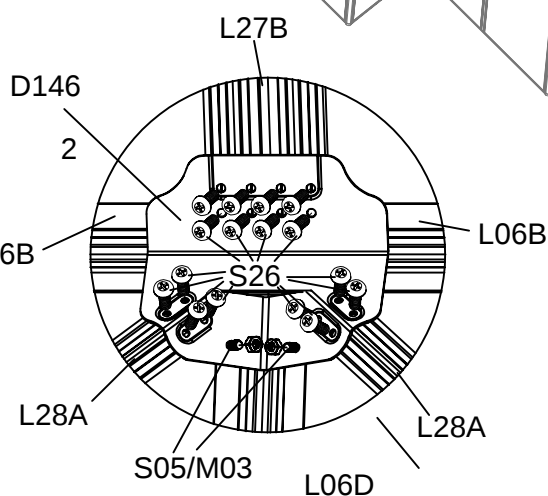
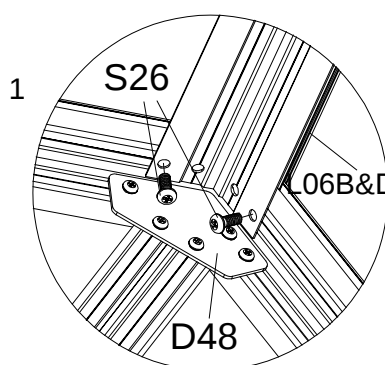
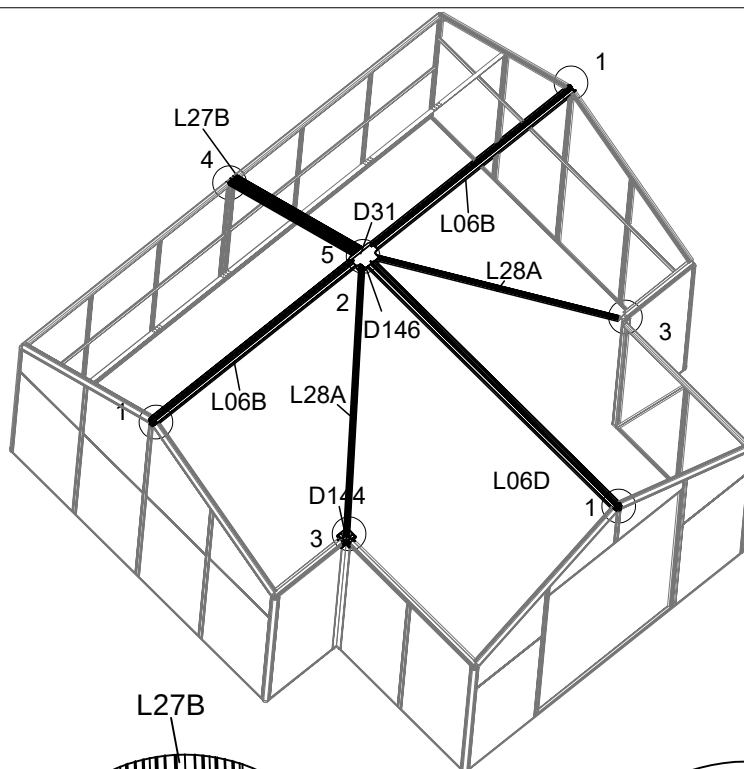
PART	NO	QTY
	L06B	2
	L29	1
	Z08 M4.2X16	8



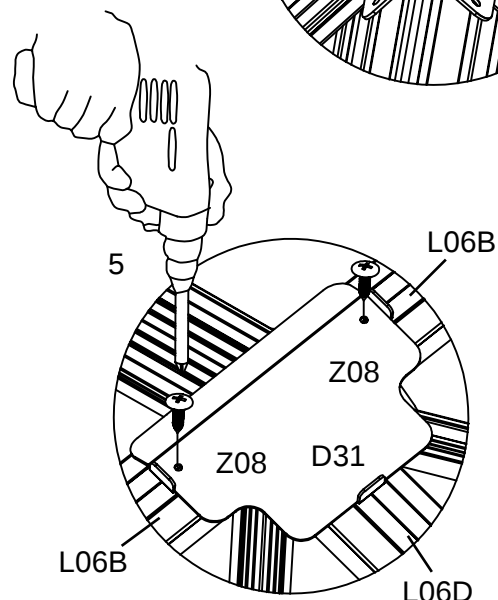
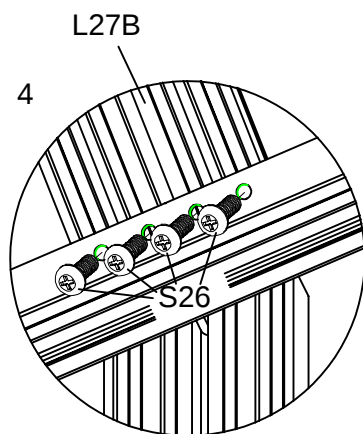
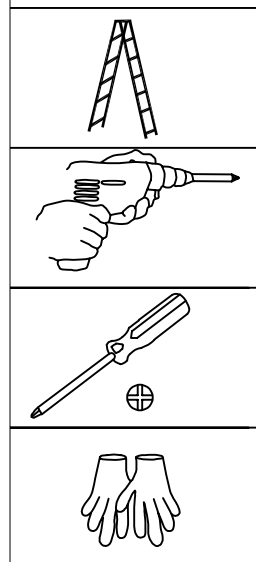
L29 is 600mm length, insert 300mm of L29 into L06B, leave another 300mm of L29, then fix L06B & L29 on the distance 180mm & 280mm away from the edge of L06B, using 4xZ08. Install another L06B & end of L29 by the same way.



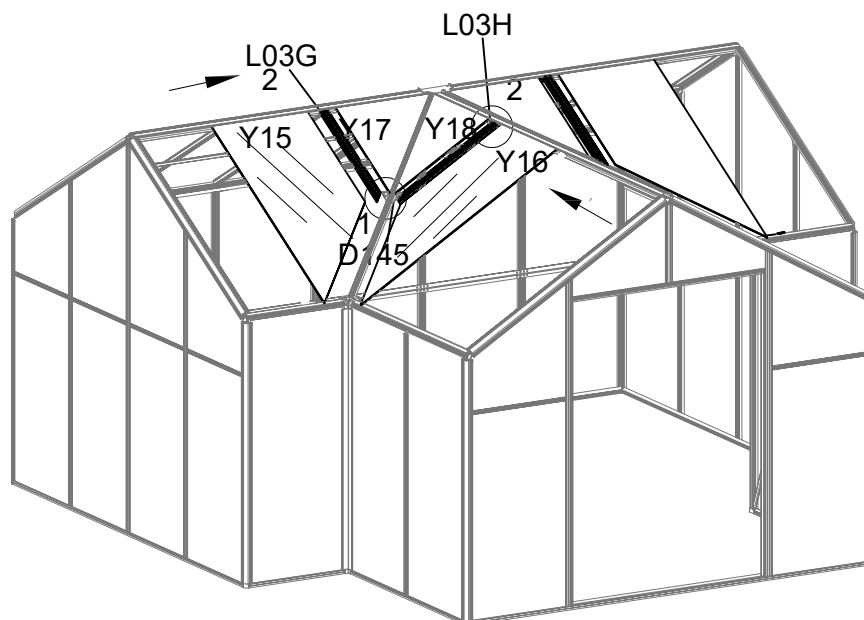
PART	NO	QTY
	L27B	1
	L28A	2
	D31	1
	D144	2
	D146	1
	S26	50
	M5X12	
	Z08	2
	M4.2X16	
	S05	2
	M6X12	
	M03	2
	M6	



1. Fix L06B&D to L01C&D with plate D48, using S26.
2. Fix L06B, L28A & L27B to plate D146, using S26.
Fix L06D to plate D146, using S05/M03.
3. Fix L28A to L07C/D & L26A with plate D144, using S26.
4. Fix L27B to L07B, using S26.
5. Fix cover D31 to L06B, using Z08.



PART	NO	QTY
	L03G	2
	L03H	2
	Y15	2
	Y16	2
	Y17	2
	Y18	2
	D145	2
	S26 M5X12	28

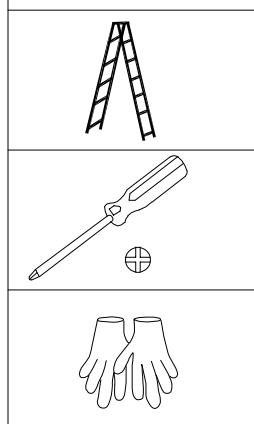
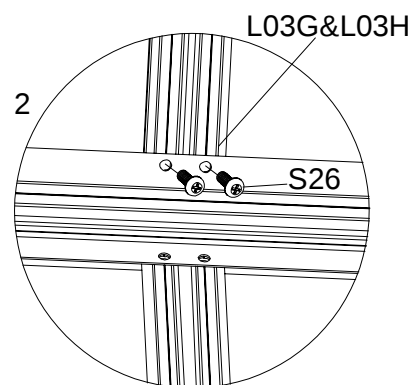
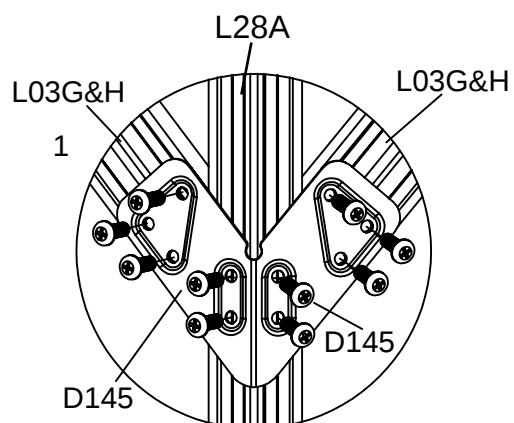
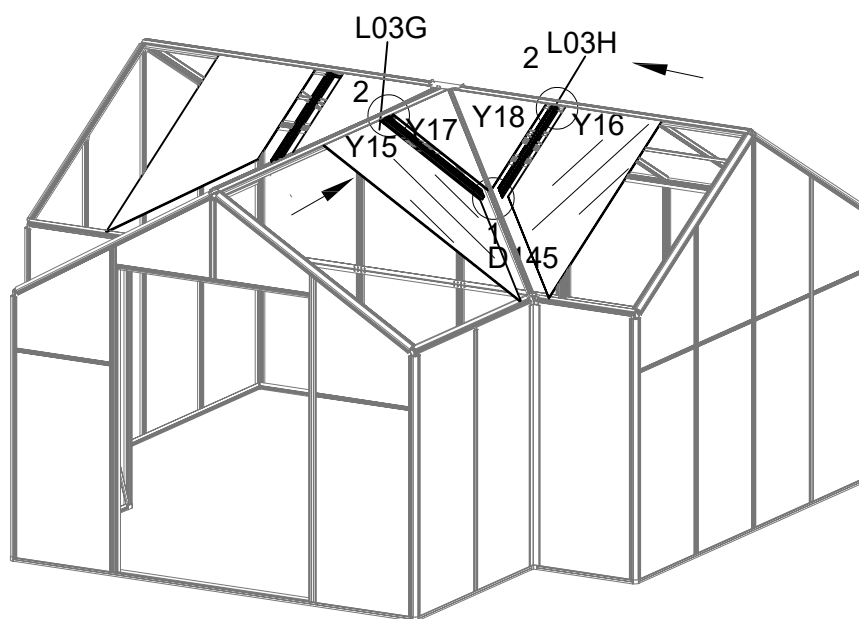


Put Y17 & Y18 into position.

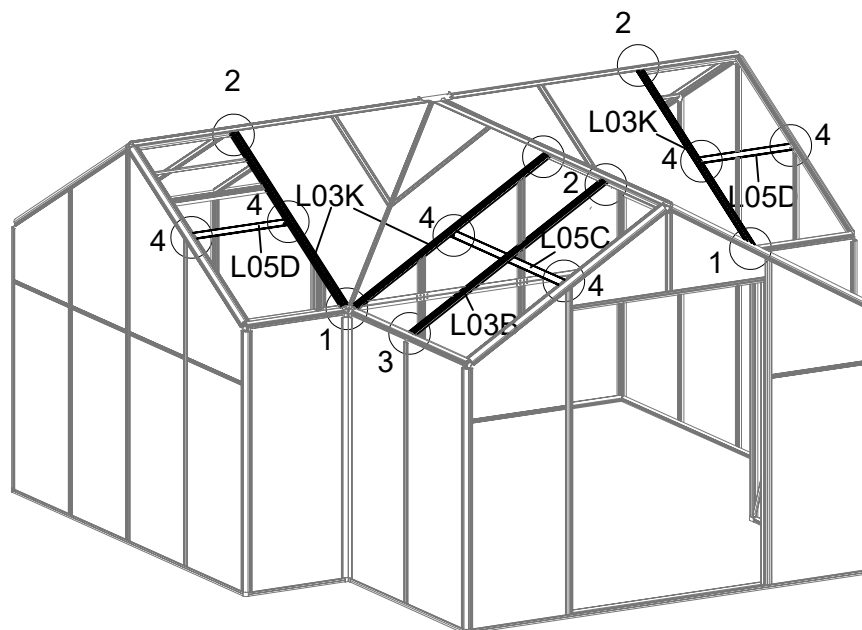
1. Fix L03G&H to L28A with plate D145, using S26.

2. Fix L03G&H to L06B&D, using S26.

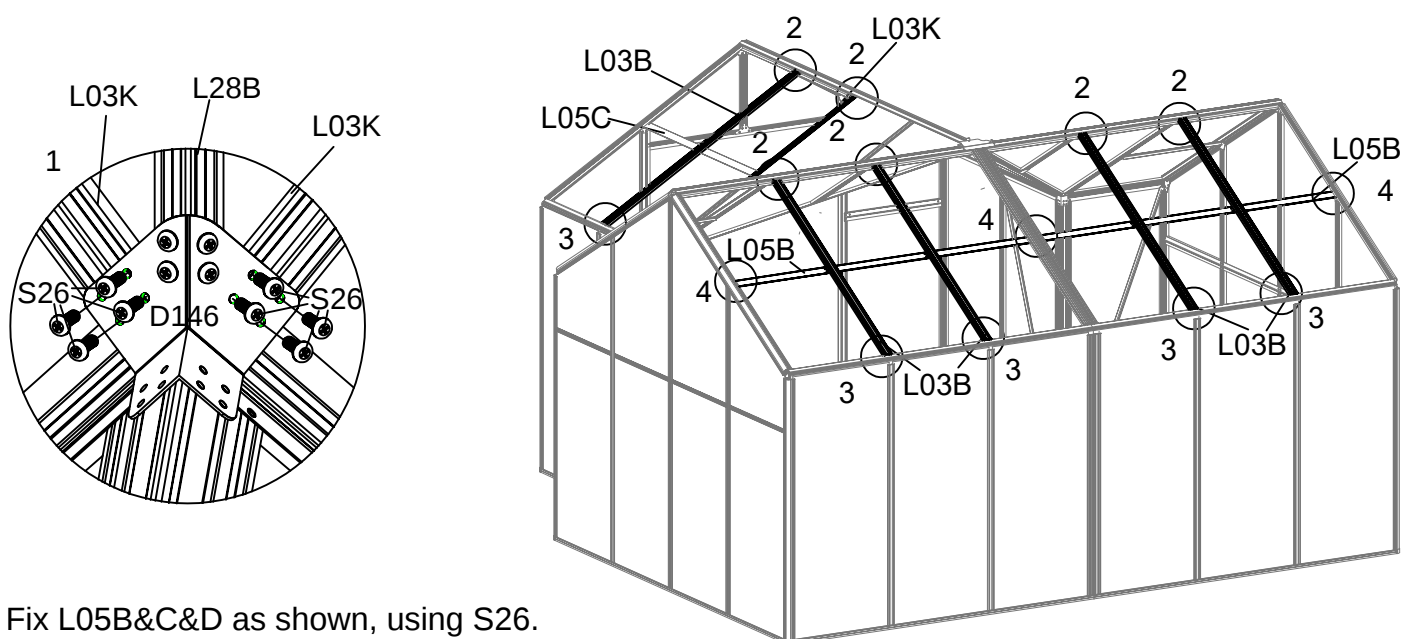
Put Y15 & Y16 into position.



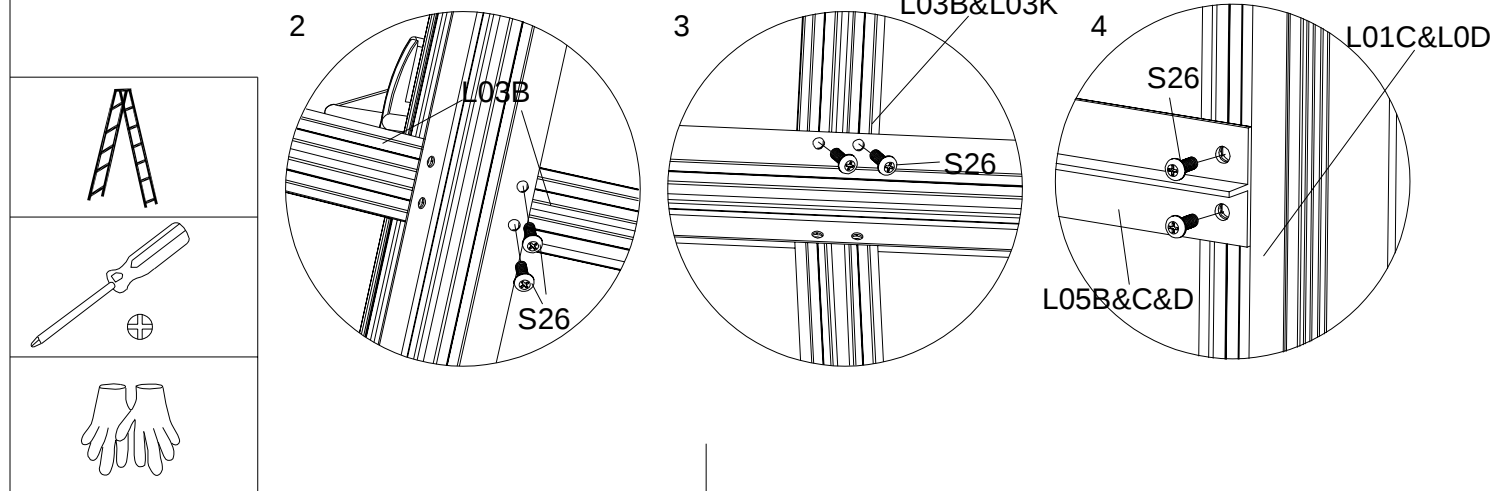
PART	NO	QTY
	L03B	6
	L03K	4
	L05B	2
	L05C	2
	L05D	2
	S26 M5X12	60



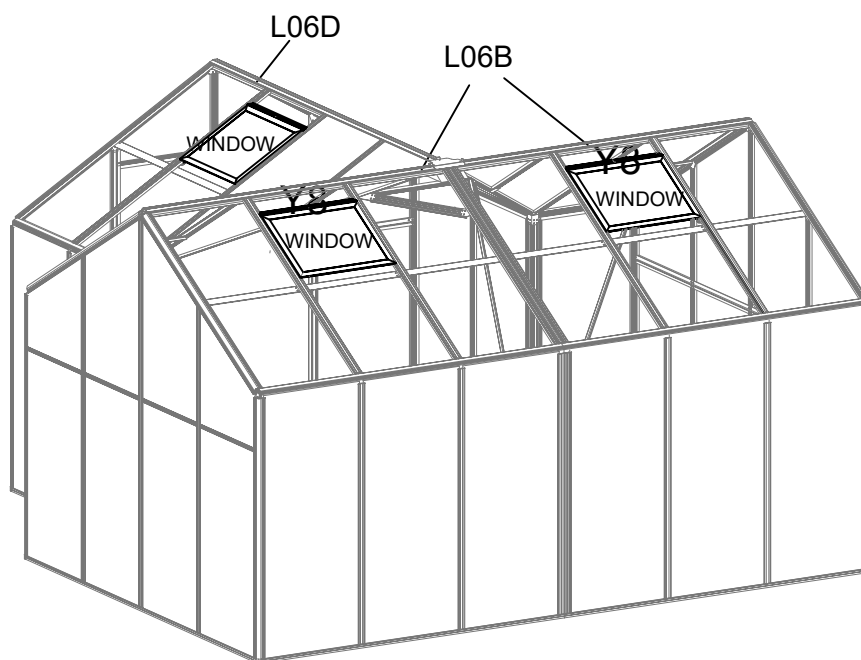
Fix L03B & L03K to the eave profile and roof profile as shown, using S26.



Fix L05B&C&D as shown, using S26.



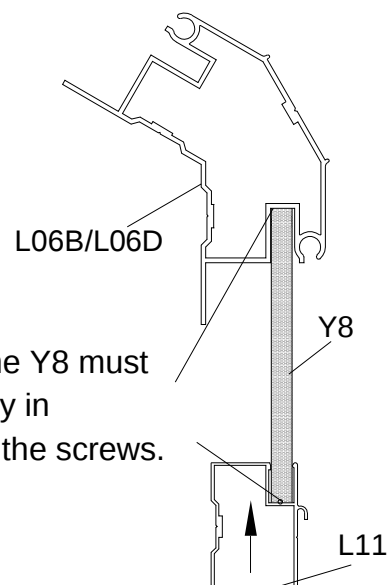
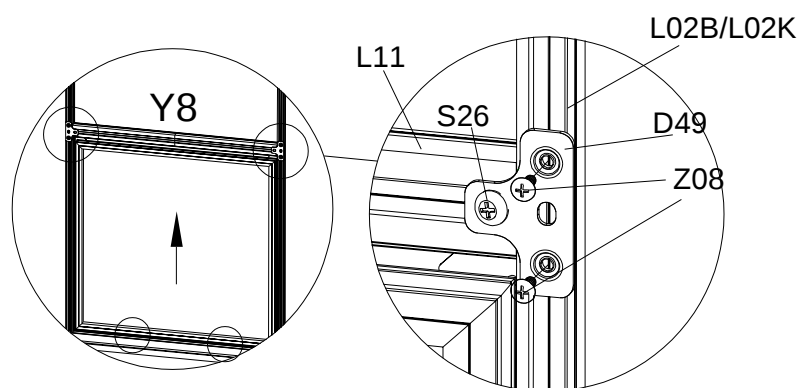
PART	NO	QTY
	WINDOW	4
	Y8	4
	D49	8
	S26	8
	M5X12	8
	Z08	16
	M4.2X16	16



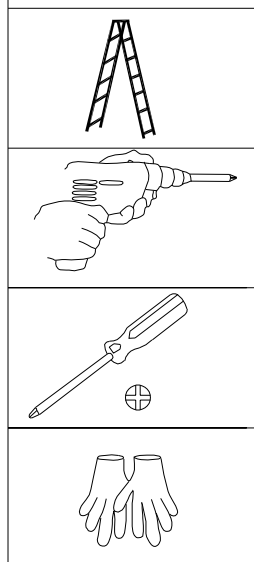
Firstly, insert Y8 into the channel of roof glazing bars and push it up into the channel of L06B/L06D.

Secondly, install the windows.

Put the other end of Y8 into the channel of L11 (on the window) and then fix it to L02B/L02K with D49, using S26 & Z08.

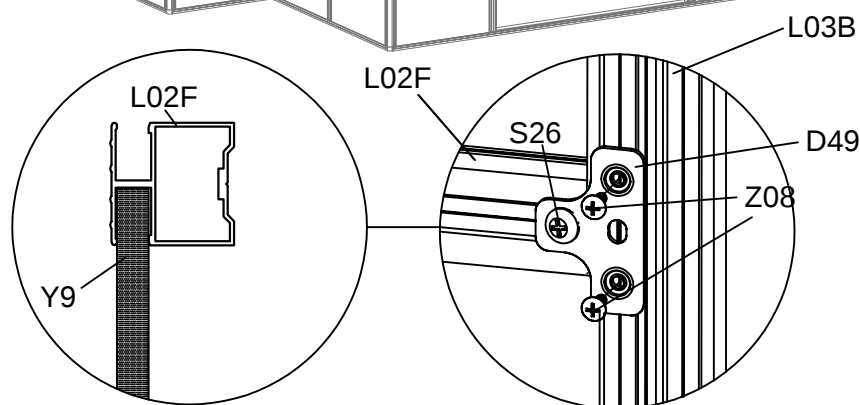
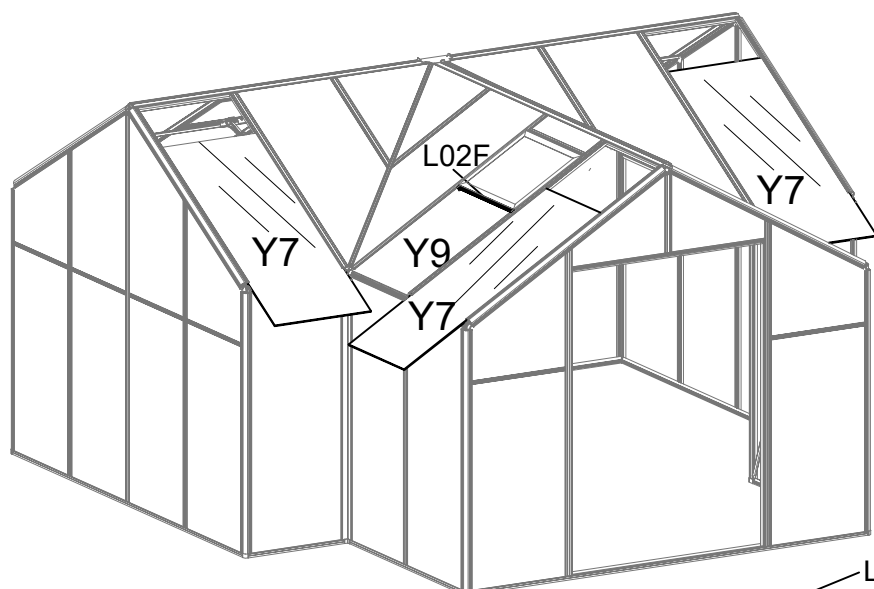
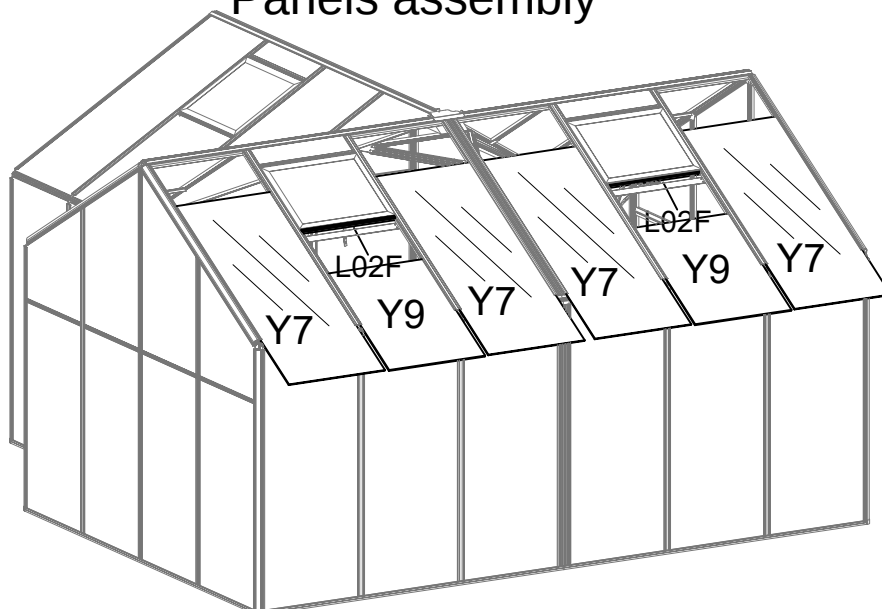


Make sure the Y8 must be completely in before fixing the screws.

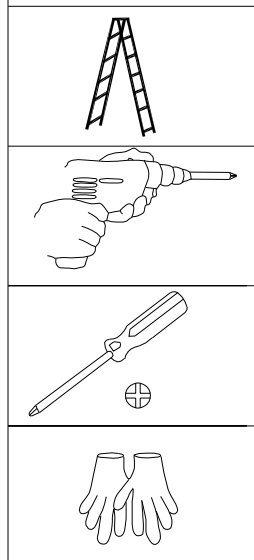


PART	NO	QTY
	L02F	4
	D49	8
	Y7	8
	Y9	4
	Z08	16
	M4.2X16	
	S26	8
	M5X12	

Panels assembly



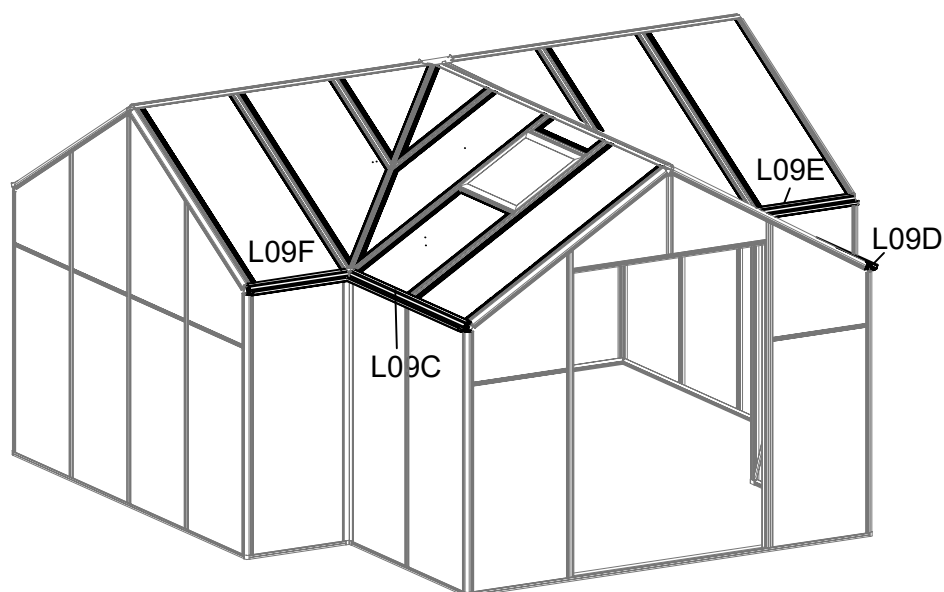
1. Put Y9 & Y7 into positions.
2. Fix L02F to L03B & L03K with D49, using S26 & Z08, make sure the window can be opened & closed normally.



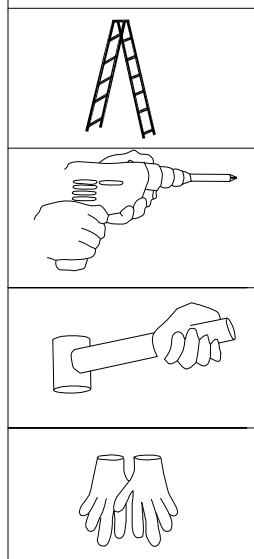
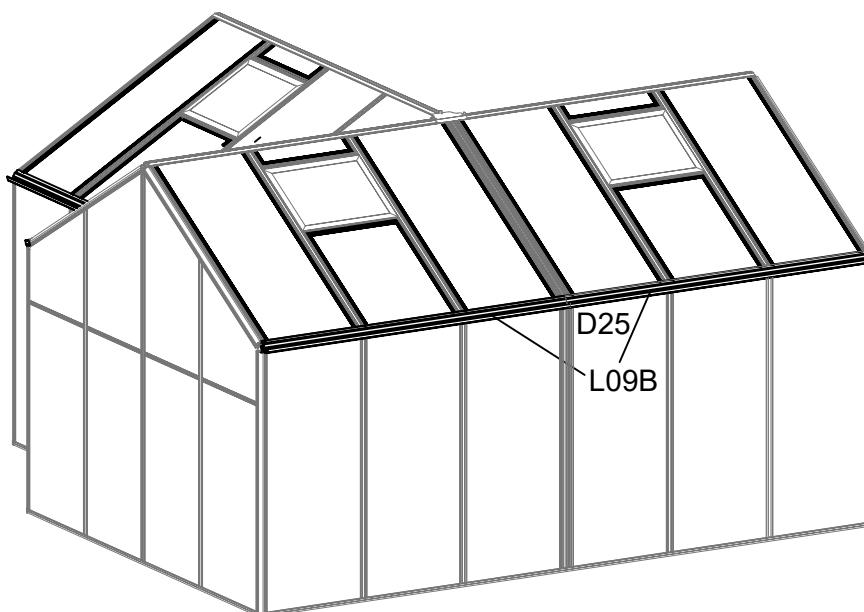
PART	NO	QTY
	L09B	2
	L09C	1
	L09D	1
	L09E	1
	L09F	1
	A03	4
	D25	1
	Z08 M4.2X16	8
	S05 M6X12	2
	M03 M6	2

Gutter Assembly

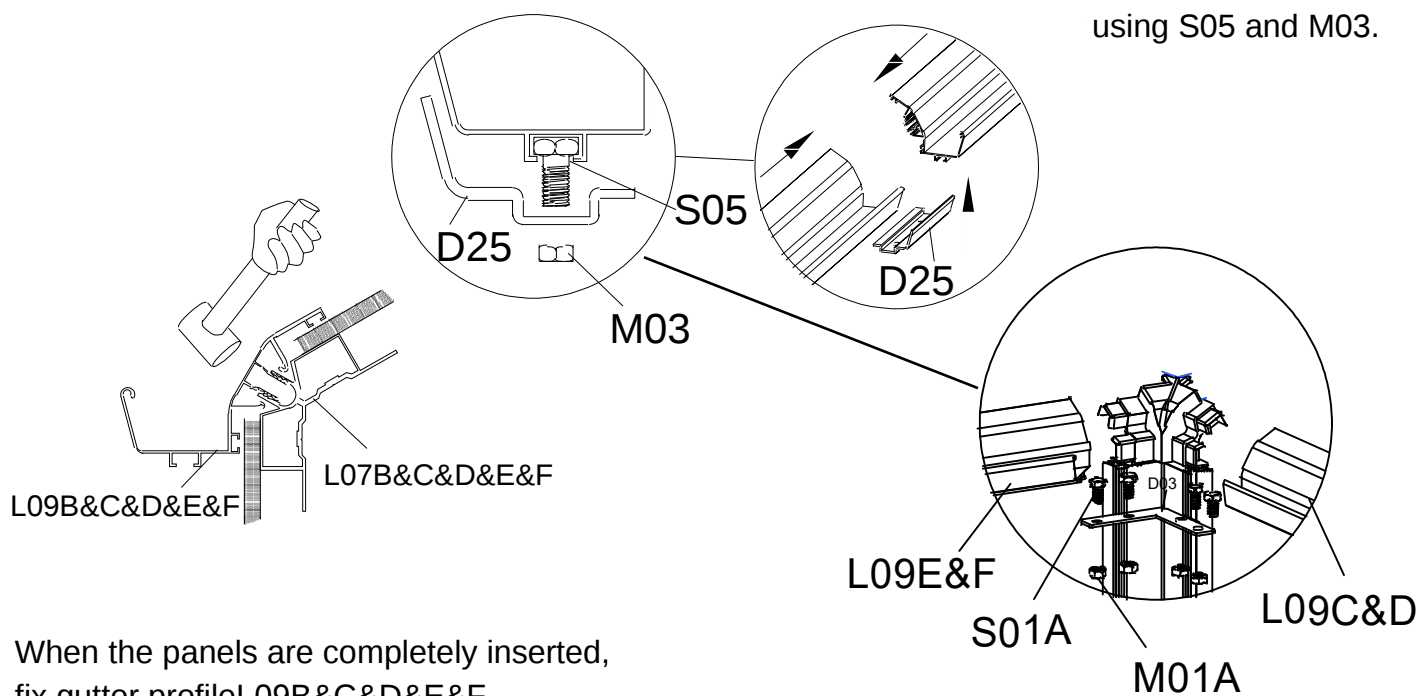
PART	NO	QTY
	J107	61.5M



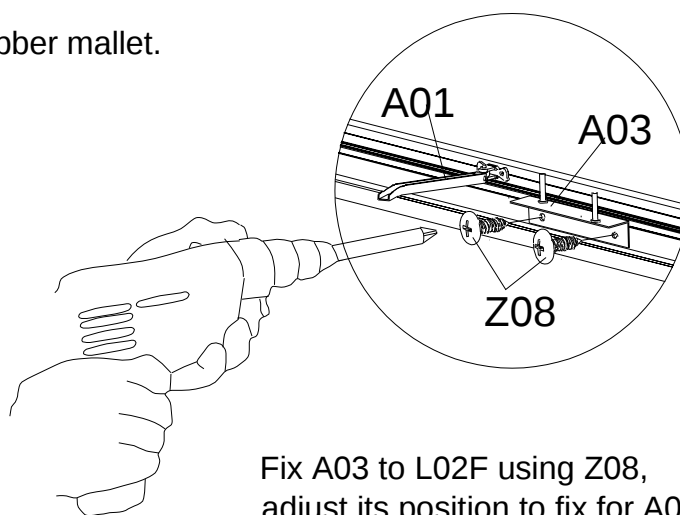
When the panels are completely inserted, fix gutter L09B/C/D/E/F to profile L07B/C/D.
Tap it gently into position with a rubber mallet.



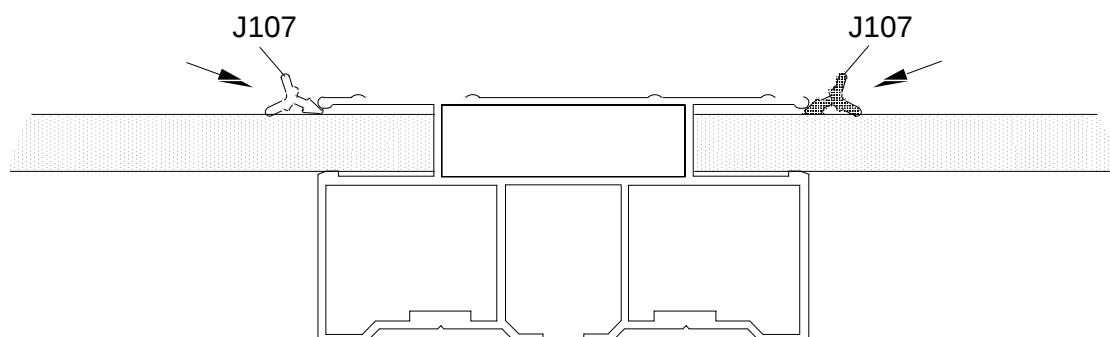
Fix D25 to L09B ,
using S05 and M03.



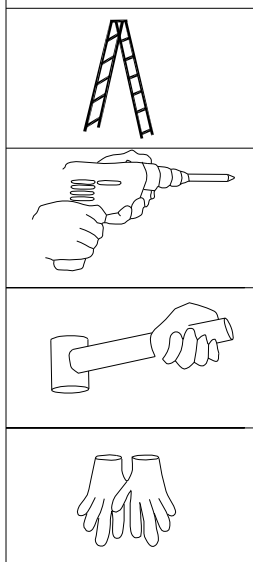
When the panels are completely inserted,
fix gutter profile L09B&C&D&E&F.
Tap it gently into position with a rubber mallet.



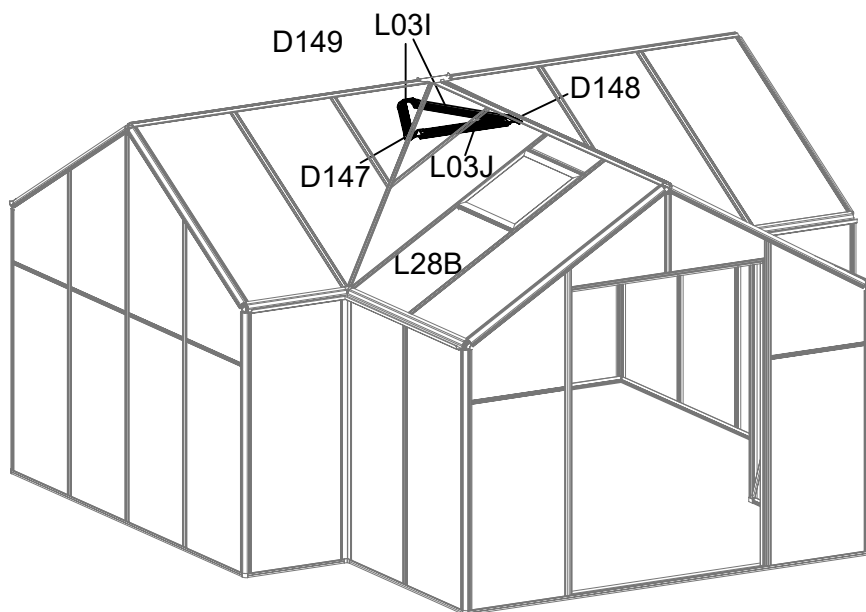
Fix A03 to L02F using Z08,
adjust its position to fix for A01
before you tight up Z08.



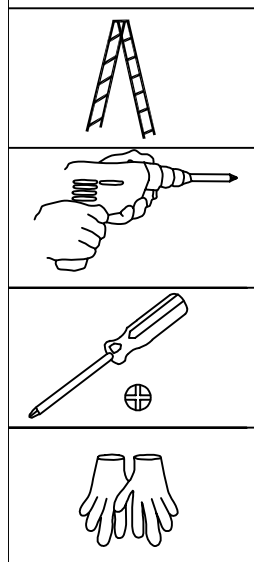
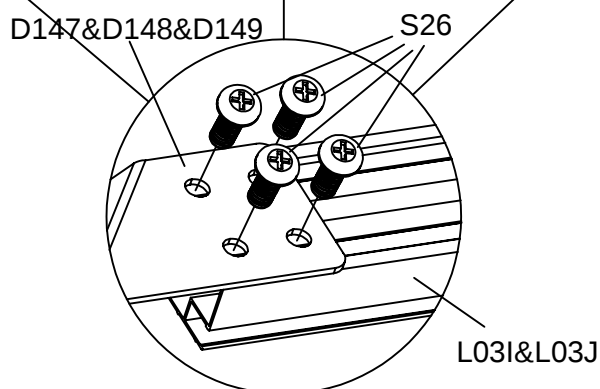
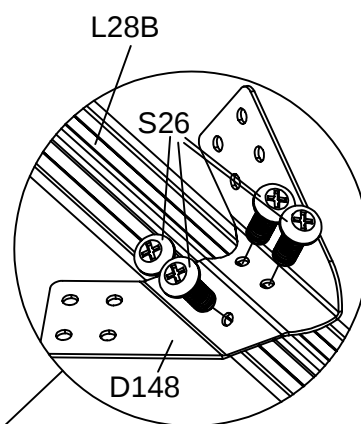
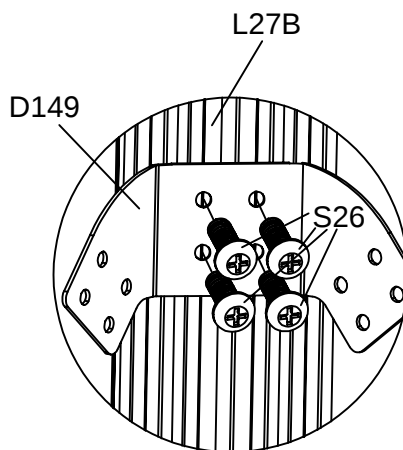
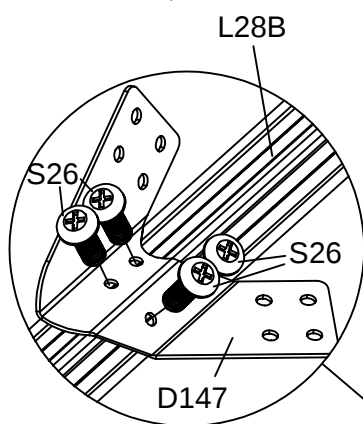
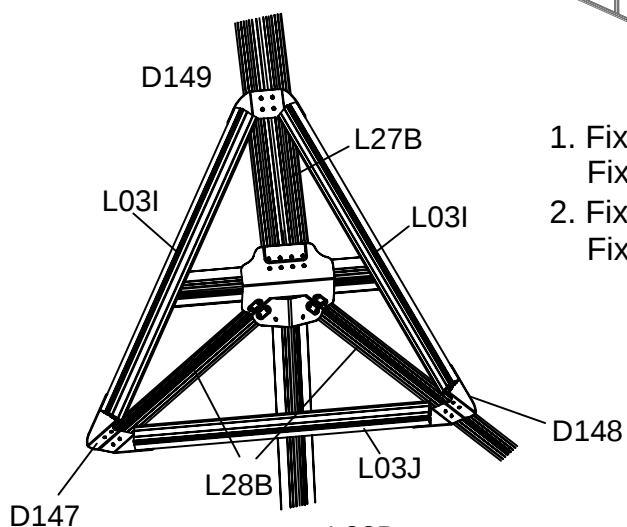
If glass is chosen, please seal it with rubber (J107) provided.
If polycarbonate sheet is chosen, rubber is not provided.
Please seal it with silicone sealant (not provided).



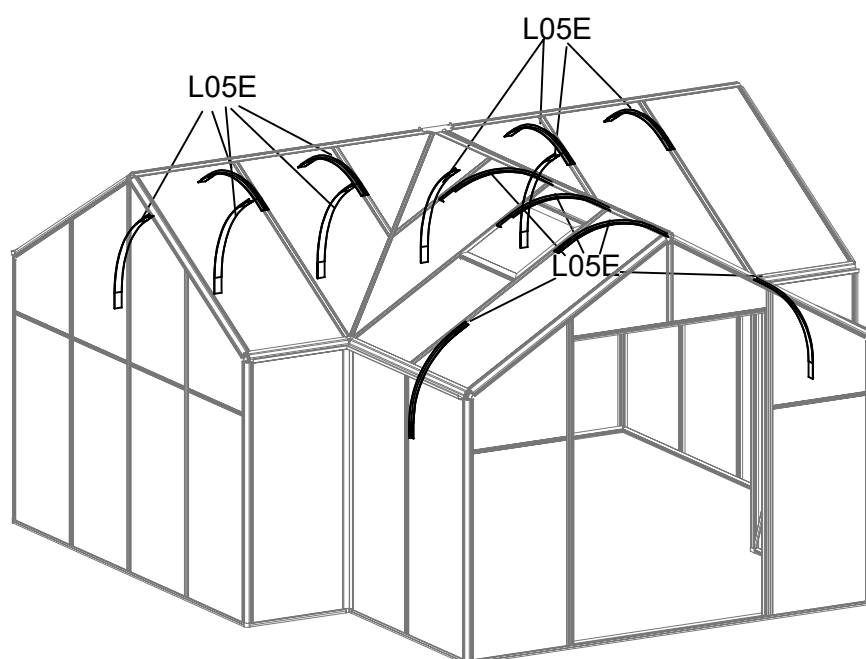
PART	NO	QTY
	L03I	2
	L03J	1
	D147	1
	D148	1
	D149	1
	S26 M5X12	36



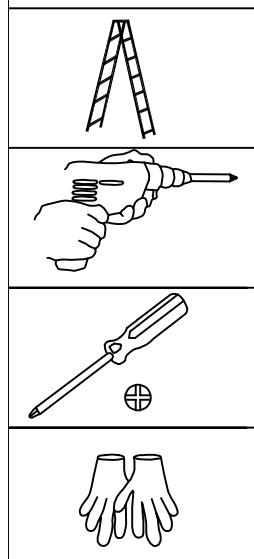
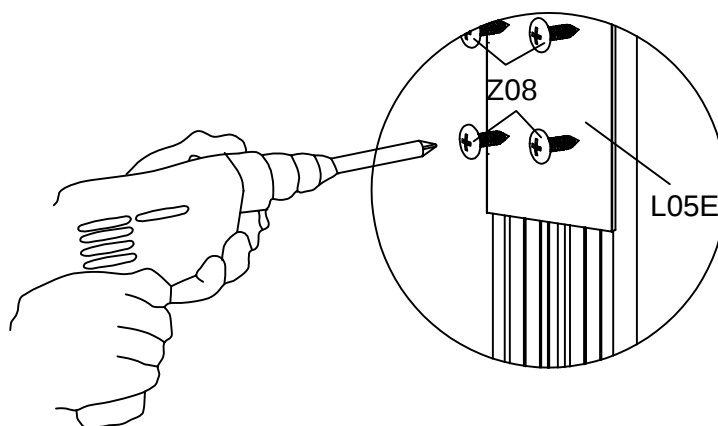
1. Fix D147 & D148 to L28B, using S26.
Fix D149 to L27B, using S26.
2. Fix L03J to D147 & D148, using S26.
Fix L03I to D147, D148 & D149, using S26.



PART	NO	QTY
	L05E	14
	Z08 M4.2X16	112

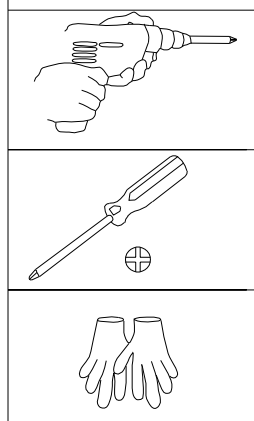
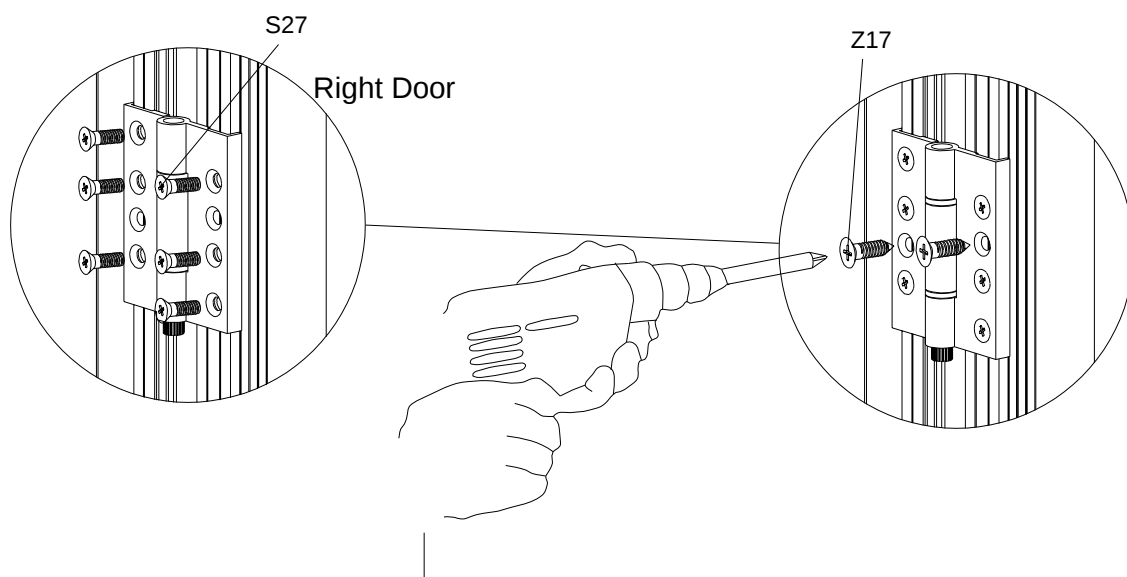
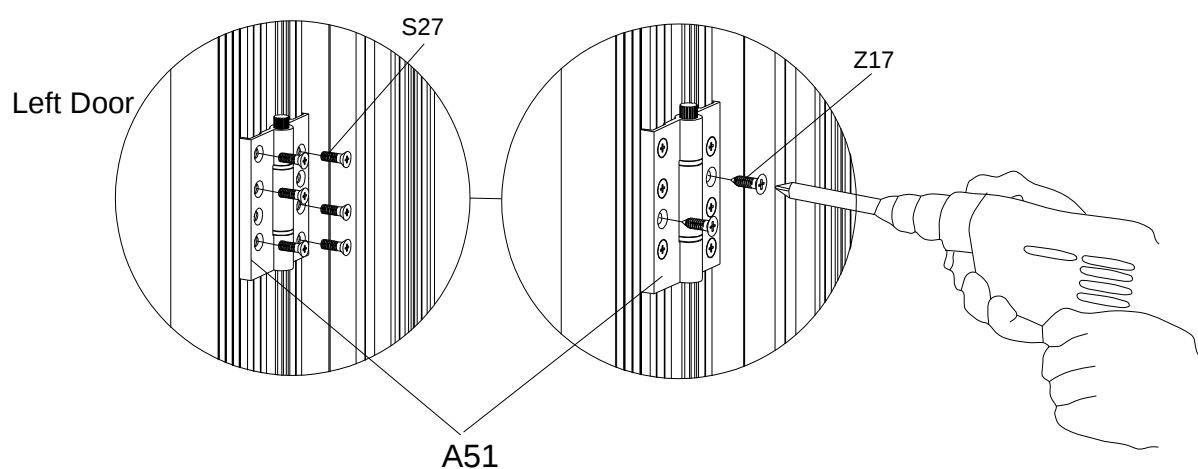
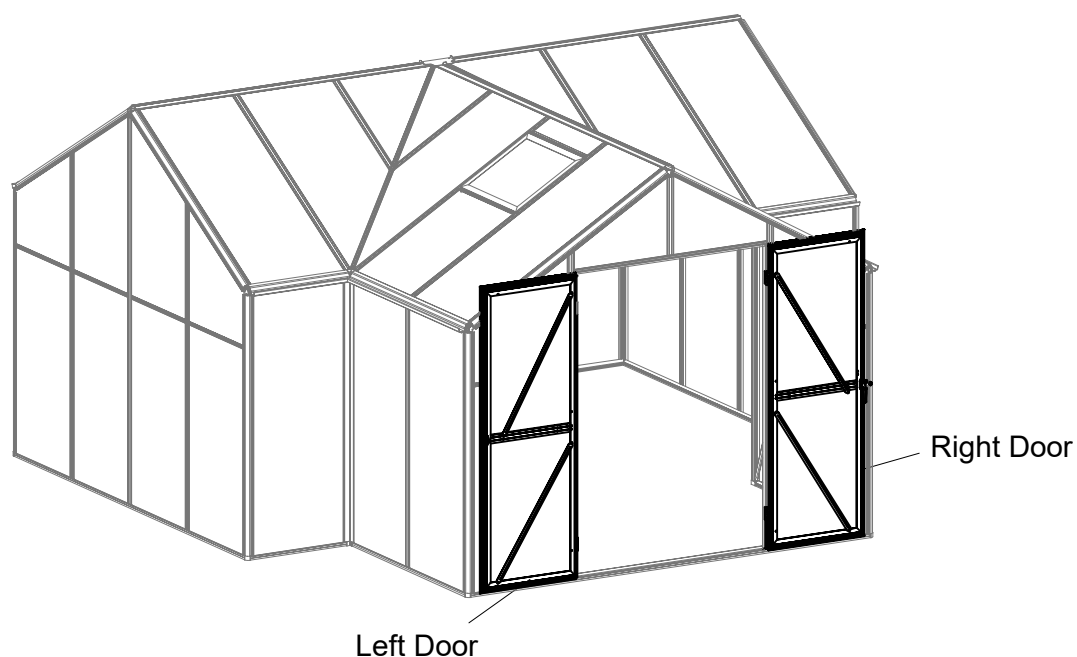


Fix L05E into position as shown, using Z08.

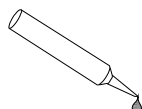
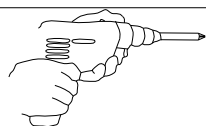
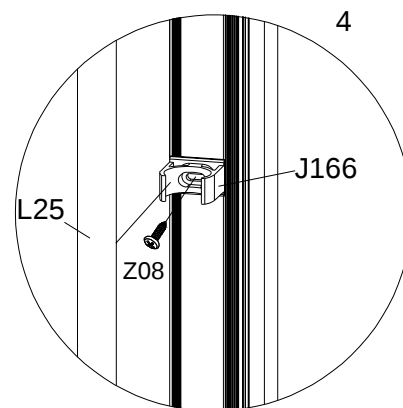
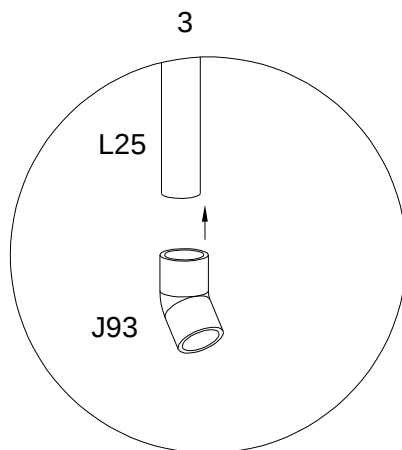
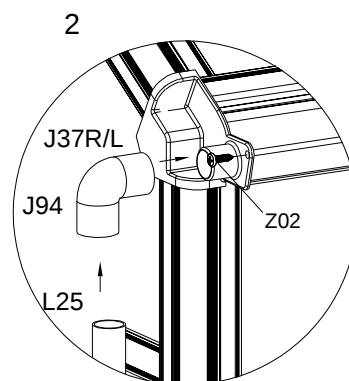
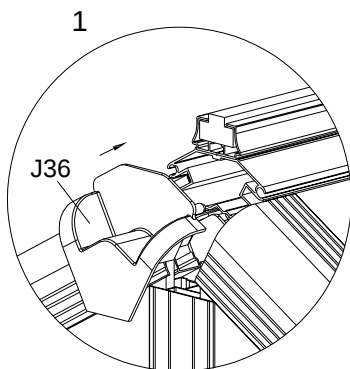
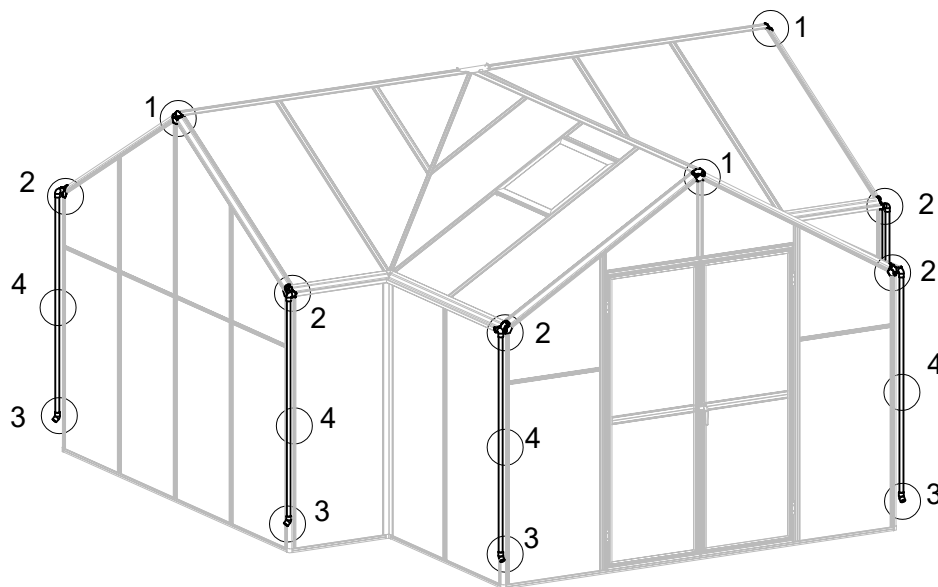


PART	NO	QTY
	A51	4
	Z17	8
	S27	
	M5X12	24

Fix A51(4 PCS) one side on the door profile and the other side on L20A/L20B using S27.
Then secure with Z17.



PART	NO	QTY
	J36	3
	J37R	3
	J37L	3
	J94	6
	L25	6
	J93	6
	J166	6
	Z08	6
	M4.2X16	
	Z02	6
	Ø4X16D	



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

Drill a hole in L01A/L01B, approximately 3mm diameter and 700mm up from the bottom. Fix the J166 downpipe bracket with Z08 screws and then clip the L25 downpipe into the J166 bracket.

WARRANTY INFORMATION:

Please refer to our website for detailed warranty conditions and coverage.
For the most up-to-date and comprehensive warranty information, visit www.tmgindustrial.com