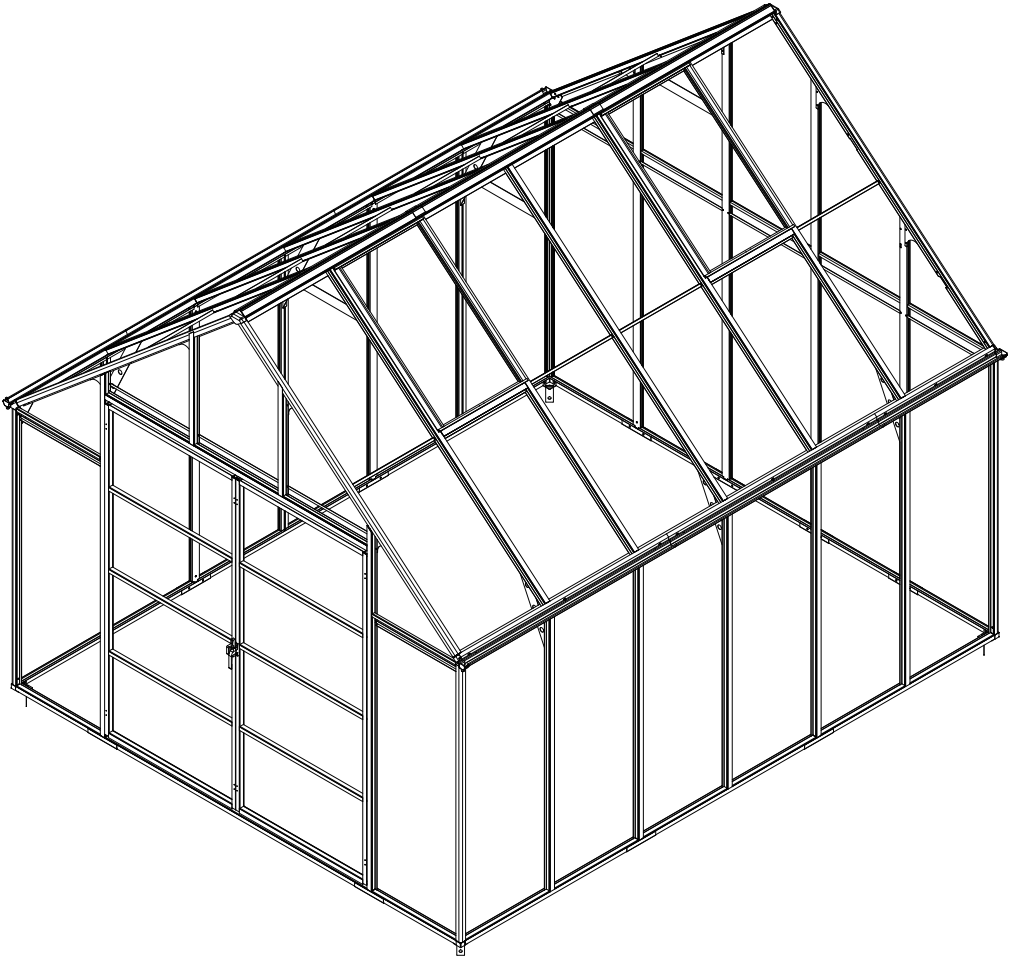


10×12×10 FT Green House Assembly Instruction



CATALOGUE

◆ General Advice	1
◆ Part list	1
◆ Installation Steps	
1) Front Assembly	4
2) Rear Gable Assembly	9
3) Side Wall Assembly	15
4) Roof Assembly	15
5) Vent Assembly	28
6) Door Assembly	32
7) Base Assembly	38

Please read the assembly manual and familiarize yourself with the parts and steps before assembling your Greenhouse .

IMPORTANT

The Greenhouse contains parts with sharp edges . Handle with care .
The all parts have sharp edges . Use safety work gloves while the whole assembly.
Do not assemble the greenhouse on a windy day .

Weather notice

The greenhouse must be reinforced under severe weather, such as typhoon, hurricane, sandstorm, etc.
Panel Frame Reinforcement: Use tape in the shape of "x" and then paste on the panel for reinforcement
Foundation Reinforcement: The best option is to use a concrete foundation for firmer installation.
If there is no way to use the concrete foundation to reinforce, it will lead to the deterioration of the wind resistance of the greenhouse
In extreme weather, the weight of the base must be increased by placing heavy objects to enhance wind resistance

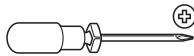
NOTICE

We suggest use electric drill (NOT included) to make the whole assembly more quickly.
Follow the manual step by step .
Keep this manual for future reference .

TOOLS Required (NOT included)



Power Drill



Phillips Screwdriver



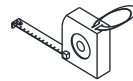
Safety Work Gloves



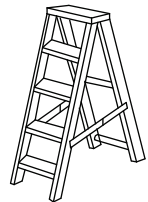
Safety Goggles



Spirit Level



Tape Measure



Step Ladders

GENERAL ADVICE

Note: There are 2 sides films on the Polycarbonate Panel.
One side is clear film, another side is white color film.

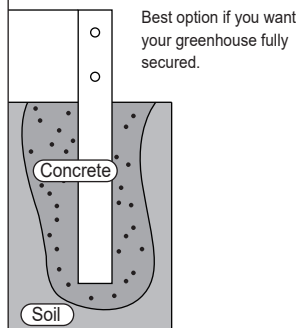
Need to Remove 2 side films from all edges before installing the Polycarbonate sheets .

Assembled Foundation Choose

As per your purchase choice , you may receive a greenhouse with or without a prefabricated base kit . Either way , this greenhouse must be secured to a firm base .

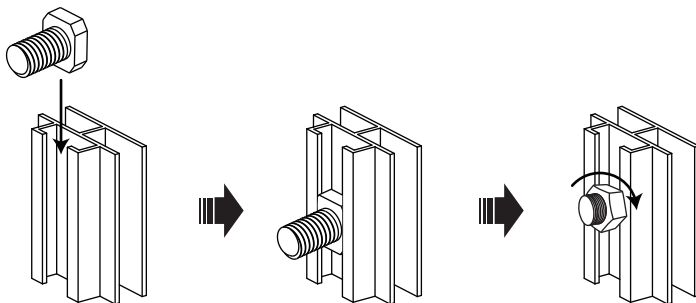
- 1.The Base must be level and square .
 - 2.Before assembling the greenhouse , you must prepare a proper foundation.
 - 3.The concrete foundation option is the best option for a stronger installation.**
- Other foundation option will lead to poor wind resistance of the greenhouse.**

Corner Stakes mounted into concrete



BOLT INSERTION

Several steps in this manual involve inserting Bolts into the groove of Aluminum profiles as a preparation for further installation . Diagrams above illustrate how to use such inserted bolts .



In some steps only bolt or the nut will be used and in other steps the whole set will be used . Check the specific Part List in each step .

SEALING

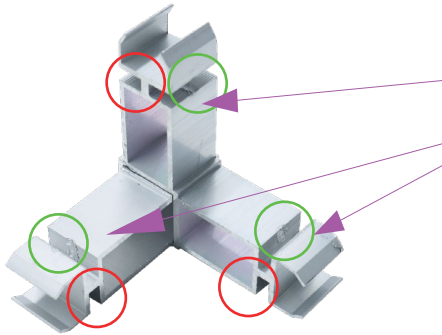
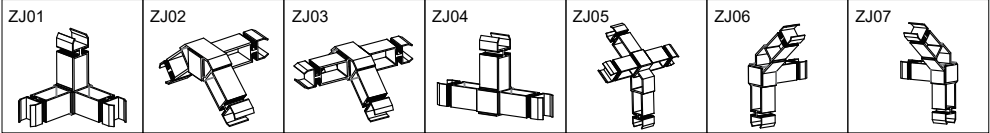
Sealing the greenhouse by applying glue or tapes between the Polycarbonate sheets and aluminum profiles will keep insects out and provide better stability against wind . Sealant and glue gun are Not included.

PARTS

Identify all parts using the parts list in this manual and labels on the parts . Prepared each part needed for that assembled step before working on that step .



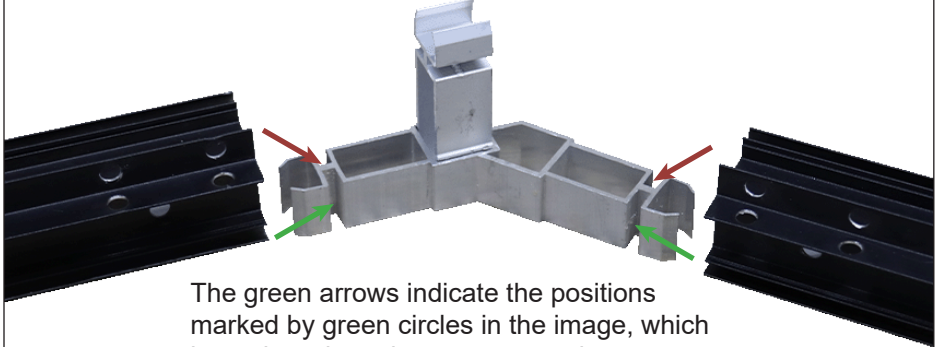
Identify all parts using the parts list in this manual and labels on the parts . Prepared each part needed for that assembled step before working on that step .



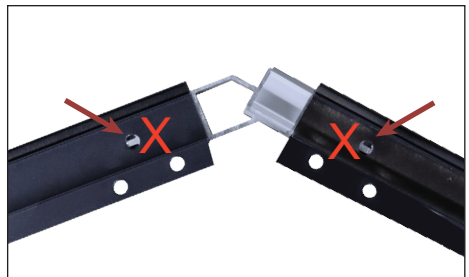
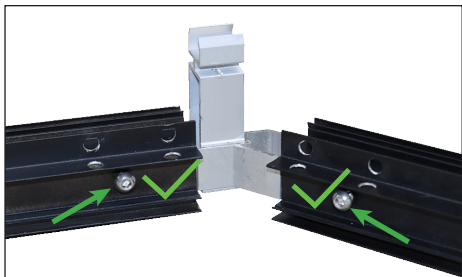
1. This is our patented structure.
2. Used for connecting different frame.
3. Made of pure aluminum alloy, sturdy and durable.
4. The areas marked in green indicate threaded holes, which can accommodate screws to secure the frame. The areas marked in red indicate non-threaded holes, which cannot accommodate screws.

The directions for screwing in screws are shown below: (During the actual installation process, if a screw cannot be screwed in one direction, please try another direction. Thank you!)



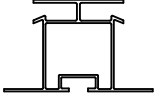
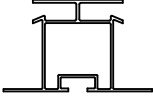

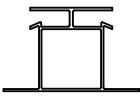
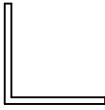
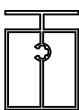
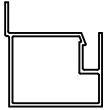
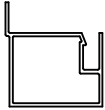
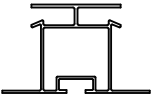
The red arrows indicate the positions marked by red circles in the image, which have no threads and cannot accommodate screws.



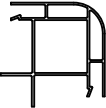
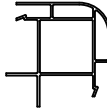
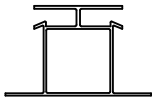
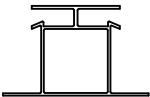
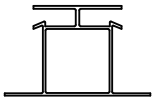
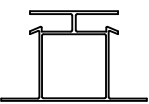
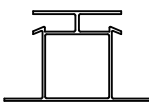
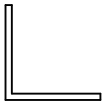
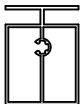
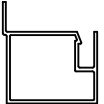
The green arrows indicate the positions marked by green circles in the image, which have threads and can accommodate screws.




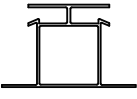
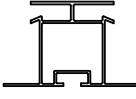
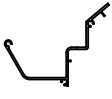
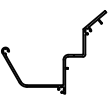

Front Gable Part List

RG02 2PC 	RG03 2PC 	FG08L 1PC 	FG08R 1PC 	FG09R 1PC 	
FG09L 1PC 	FG06 5PC 	FG05 2PC 	FG07 2PC 	FR02 1PC 	FG10 1PC 

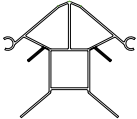
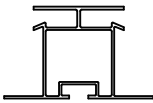
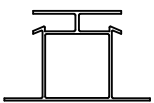
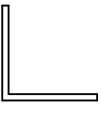
Rear Gable Part List

RG02 2PC 	RG03 2PC 	SG05 2PC 	RG09L 1PC 	RG09R 1PC 
RG10L 1PC 	RG10R 1PC 	FG06 5PC 	FG05 5PC 	FG07 5PC 

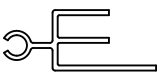
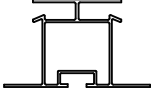
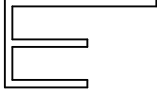
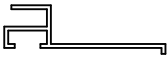
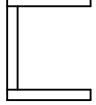
Side Wall Part List

SG385 6PC 	SG05 4PC 	SG07 6PC 	R030 4PC 	R032 2PC 	SG020 6PC 
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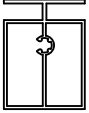
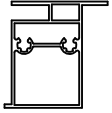
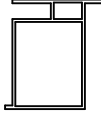
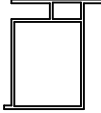
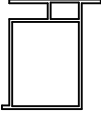
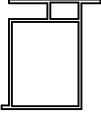
Roof Part List

R0184 3PC 	R06 6PC 	R04 4PC 	FG06 10PC 
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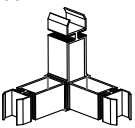
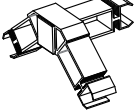
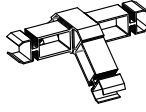
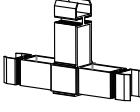
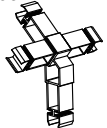

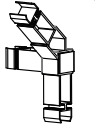
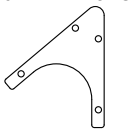
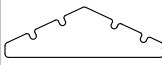

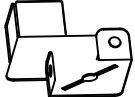
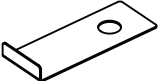
Vent Part List

V07 2PC 	V018 2PC 	V06 2PC 	V09 4PC 	V019 2PC 
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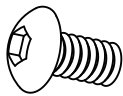

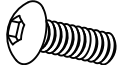


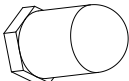

Door Part List

D09 6PC 	D10 4PC 	D11 1PC 	D12 1PC 	D13 1PC 	D14 1PC 
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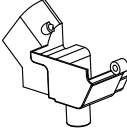


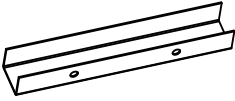
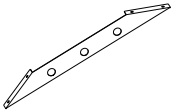

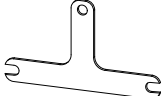
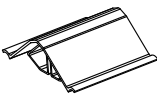





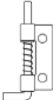
Connector Part List

ZJ01 4PC 	ZJ02 2PC 	ZJ03 2PC 	ZJ04 10PC 	ZJ05 4PC 	ZJ06 2PC 
ZJ07 2PC 	BJ01 8PC 	BJ02 4PC 	BJ03 2PC 	BJ04 4PC 	BJ05 4PC 



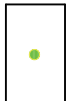

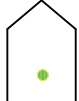

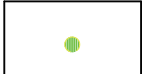
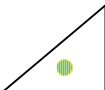
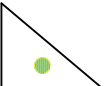


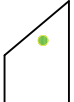
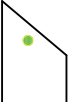
Screw Part List

LM01 159PC  M6	LM02 4PC 	LD01 175PC 	LD02 96PC  M6×10	LD06 4PC 
LD03 4PC  M6×12	LD04 40PC  ST3.5×25	LD05 4PC  M4	LM03 16PC 	LD07 4PC  M6×50

Other Part List

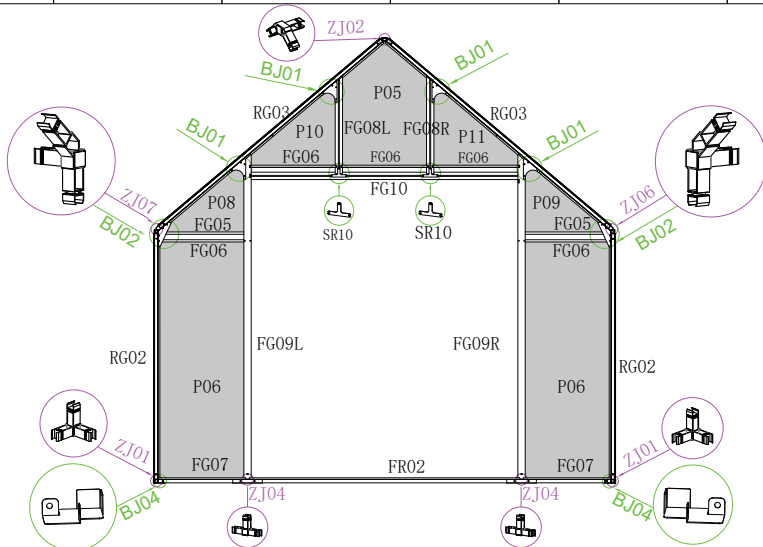
SL01  2PC	SL02  2PC	SL03  2PC	SR07  10PC		
SR08  6PC	SR09  3PC	SR10  2PC	SL04  2PC		
SL05  2PC	SL06  2PC	H01  1PC	H02  1PC	CT01  1PC	CT02  1PC

PC Panel Part List

P01  51.7×24.1 1PC	P02  38.4×24.1 2PC	P03  21.8×37.6 2PC	P04  77.6×24.1 10PC	P05  37.5×20.1 1PC
P06  65.8×24.1 19PC	P07  19.2×34.4 8PC	P08  20.8×24.1 2PC	P09  20.8×24.1 2PC	P010  27.2×24.1 1PC
P011  27.2×24.1 1PC	P012  41.1×24.1 1PC	P013  41.1×24.1 1PC		

Front Gable Assembly

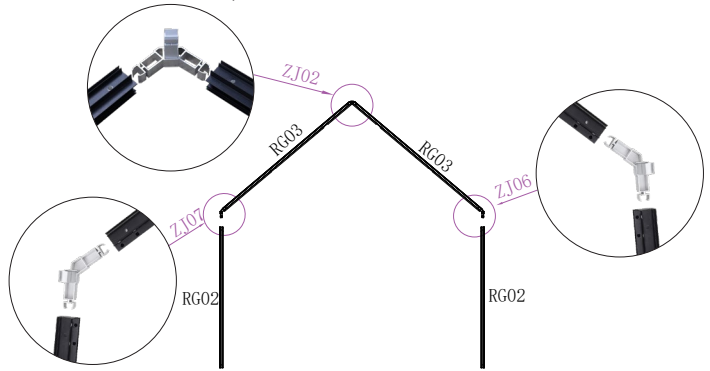
RG02 2PC 	RG03 2PC 	FG09L 1PC 	FG09R 1PC 	FG06 5PC 	FG10 1PC
FG05 2PC 	FG07 2PC 	FR02 1PC 	FG08L 1PC 	FG08R 1PC 	ZJ01 2PC
ZJ04 2PC 	ZJ06 1PC 	ZJ02 1PC 	ZJ07 1PC 	SR10 2PC 	SR07 2PC
BJ01 4PC 	BJ02 2PC 	LM01 40PC 	LD01 40PC 	BJ04 2PC 	LD02 16PC
P05 1PC 37.5×20.1	P06 2PC 19.2×34.4	P08 1PC 20.8×24.1	P09 1PC 20.8×24.1	P10 1PC 27.2×24.1	P11 2PC 27.2×24.1



STEP1

RG02×2
ZJ02×1
ZJ06×1
ZJ07×1
LD02×6
RG03×2

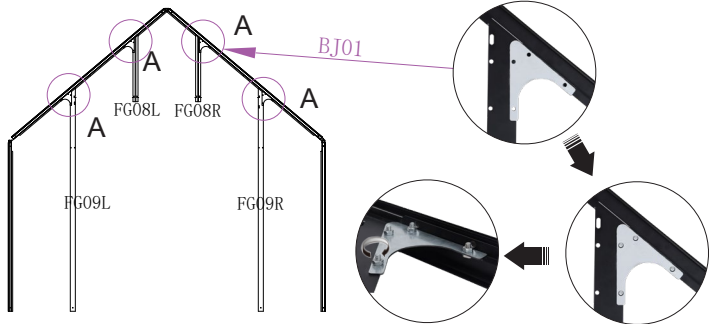
Connect RG03,ZJ02,ZJ06 and ZJ07 with Bolt LD02
Connect RG02,ZJ07and ZJ06 with Bolt LD02



STEP2

FG09L×1
FG09R×1
FG08L×1
FG08R×1
BJ01×4
LD01×16
LM01×16

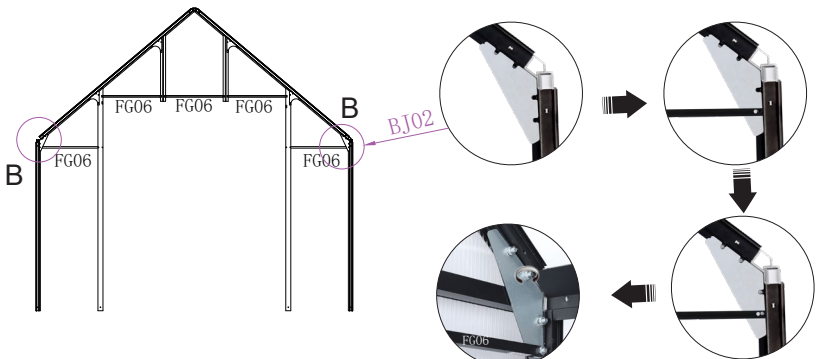
Intall the connecting piece BJ01 in position marked A ,
and tighten the Nut LM01with bolt LD01



STEP3

FG06×5
BJ02×2
LM01×16
LD01×16

Connect FG06 with bolts and nuts , then Intall the connecting
BJ02 in position marked B . Finally,tighten the Nut LM01.

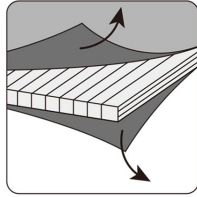


5 Please make sure FG06 is installed on the screw as shown in the diagram.

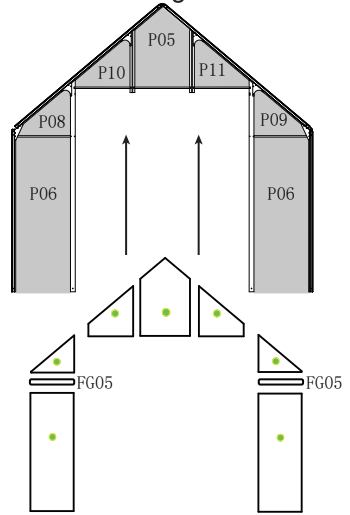
STEP4

Please peel off the both films from all PC panels before inserting it into the reserved groove.

FG05×2
P05×1
P06×2
P08×1
P09×1
P10×1
P11×1



Remove both protective films from the PC panel and ensure the clear film faces outwards to block UV rays.



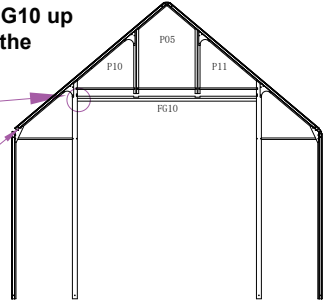
STEP5

Connect FG10, FG09L and FG09R with bolts LD01 and nuts LM01.

FG10×1
LM01×2
LD01×2



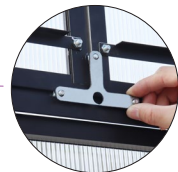
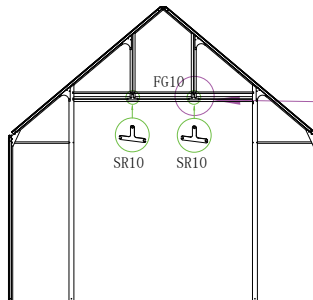
Please push the FG10 up before tightening the screws.



STEP6

Connect FG10, FG08L and FG08R with SR10, bolts LD01 and nuts LM01.

SR10×2
LM01×6
LD01×6

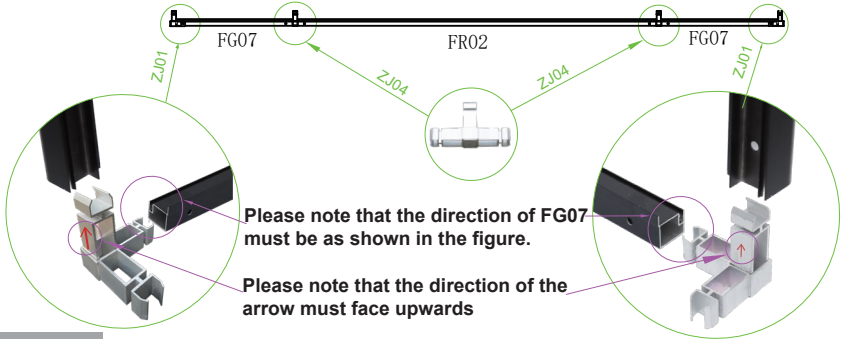
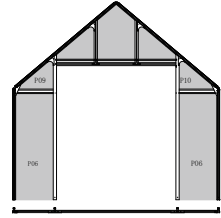


Please push the FG10 up before tightening the screws.

STEP7

- FG07×2
- FR02×1
- ZJ04×2
- ZJ01×2

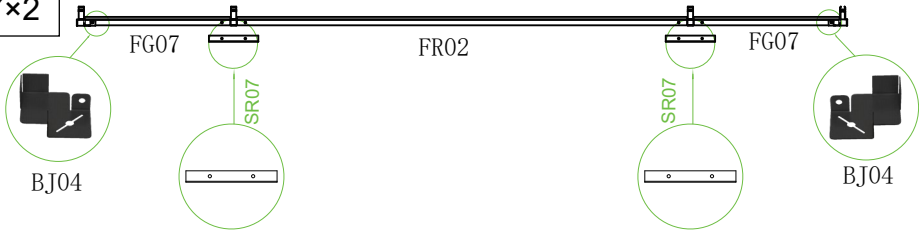
Connect FG07 with ZJ04 and ZJ01.
Connect FR02 with ZJ04.



STEP8

- BJ04×2
- SR07×2

Connect SR07 and BJ04 with FG07.



STEP9

- LD02×6

Tighten the screw LD02.

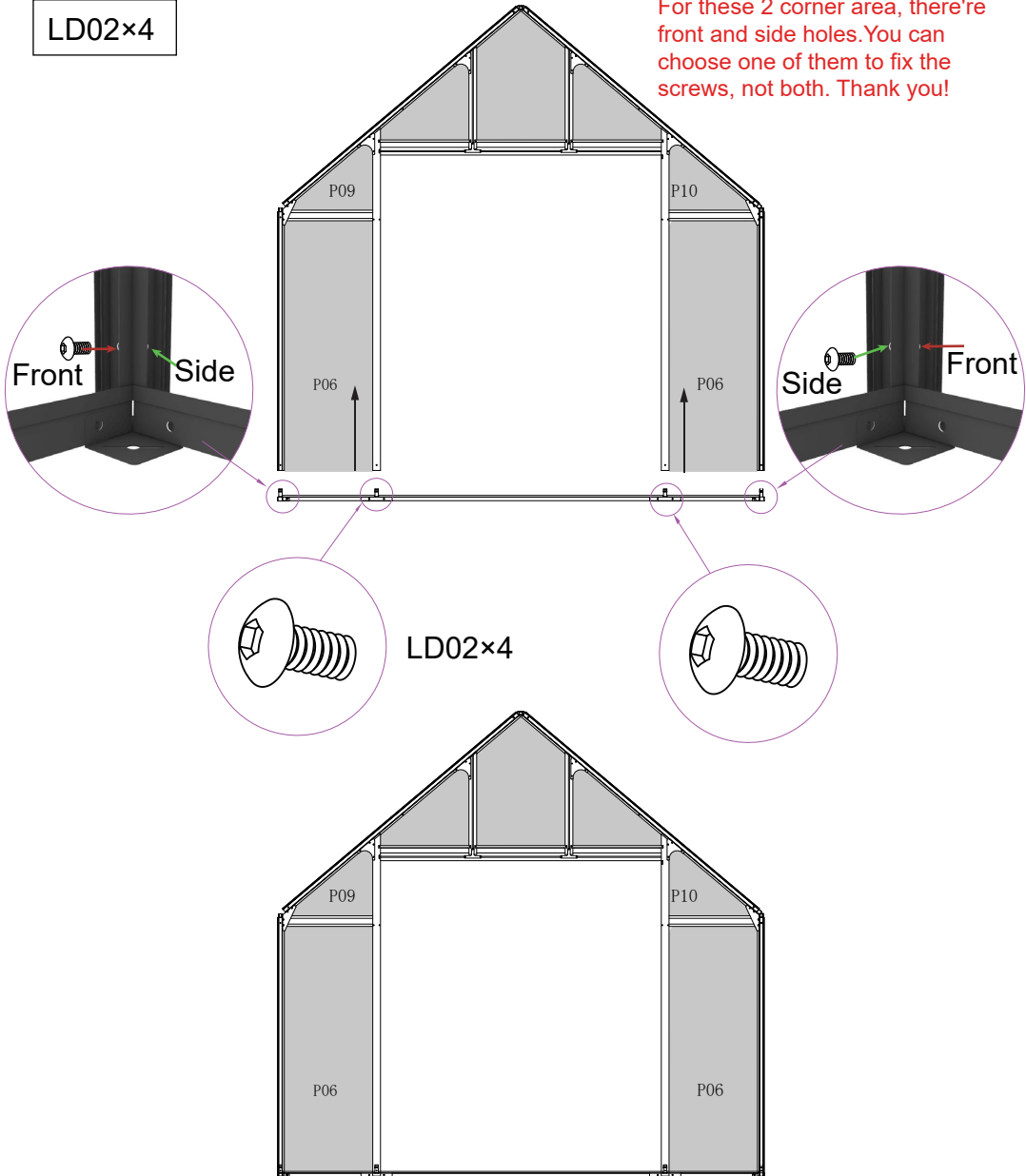


STEP10

Connect these two part with bolt LD02.

LD02×4

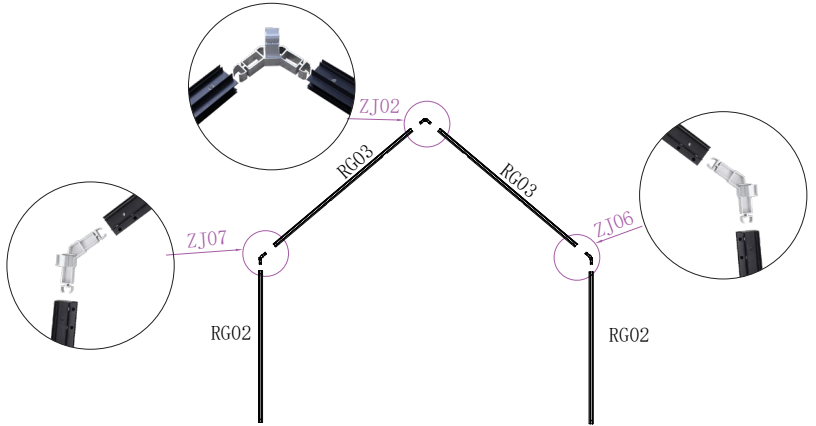
For these 2 corner area, there're front and side holes. You can choose one of them to fix the screws, not both. Thank you!



STEP1

RG02×2
ZJ02×1
ZJ06×1
ZJ07×1
LD02×6
RG03×2

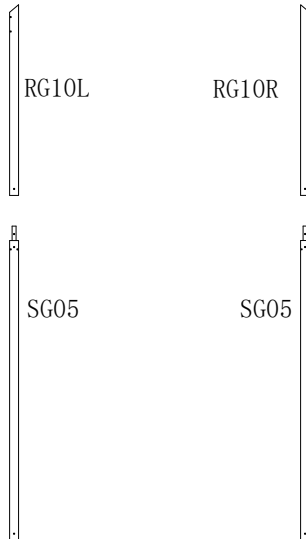
Connect RG03,ZJ02,ZJ06 and ZJ07 with Bolt LD02
Connect RG02 ,ZJ07and ZJ06 with Bolt LD02.



STEP2

RG10L×1
RG10R×1
SG05×2
LD02×2

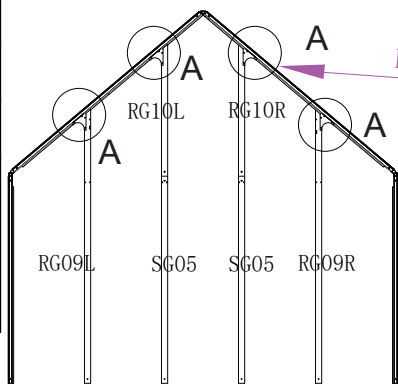
Connect RG10L, RG10R and SG05 with bolts LD02.



STEP3

Install the connecting piece BJ01 in position marked A , and tighten the Nut LM01.

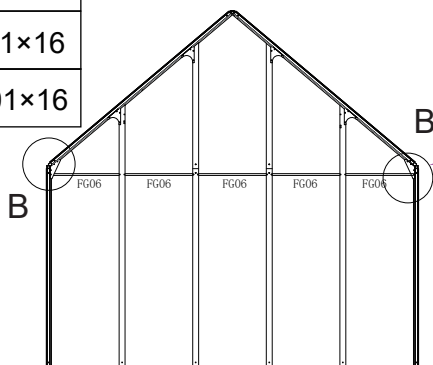
RG10L×1
RG10R×1
RG09L×1
RG09R×1
BJ01×4
LM01×16
LD01×16



STEP4

Install the connecting BJ02 in position marked B , then put FG06 on the BJ02. Finally, tighten the Nut LM01.

BJ02×2
FG06×5
LD01×16
LM01×16

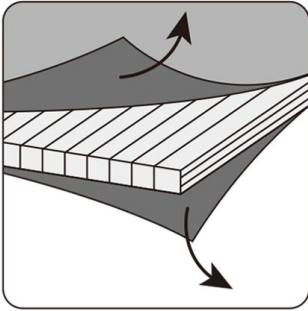


Please make sure FG06 is installed on the screw as shown in the diagram.

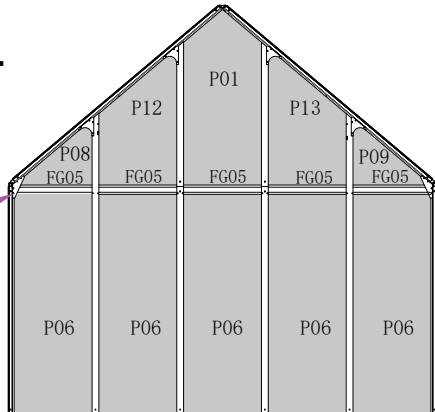
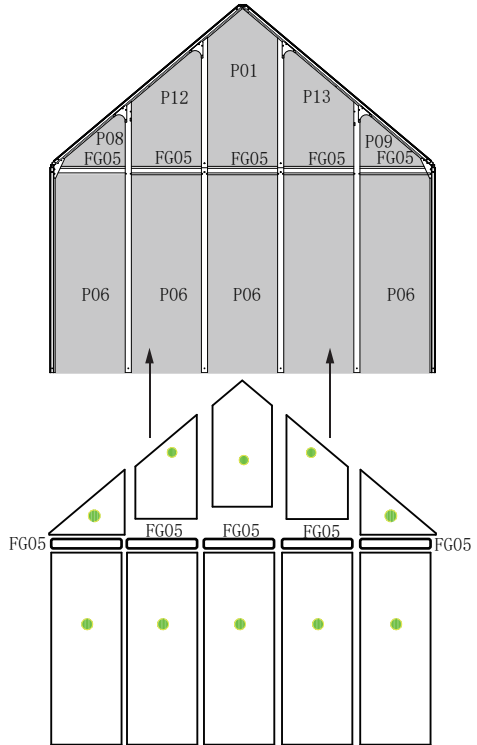
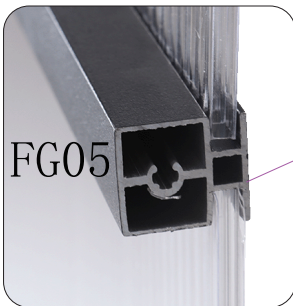
STEP5

Please peel off the both films from all PC panels before inserting it into the reserved groove.

P01×1
P06×5
P08×1
P09×1
P12×1
P13×1
FG05×5



Remove both protective films from the PC panel and ensure the clear film faces outwards to block UV rays.



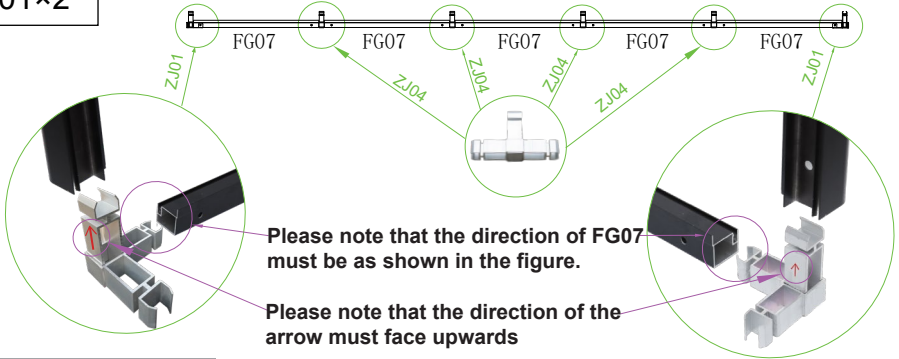
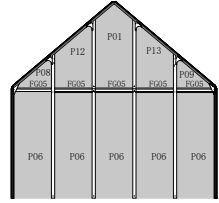
STEP6

Connect FG07 with ZJ04 and ZJ01.

FG07×5

ZJ04×4

ZJ01×2

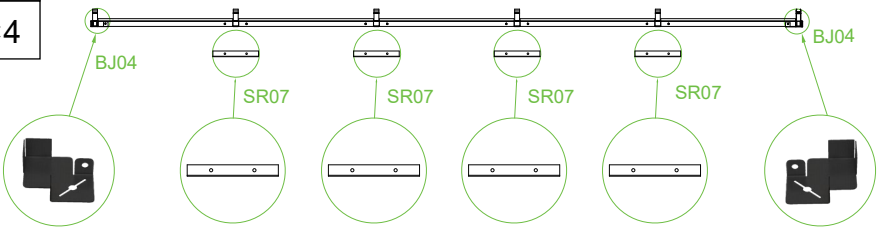


STEP7

Connect SR07 and BJ04 with FG07.

BJ04×2

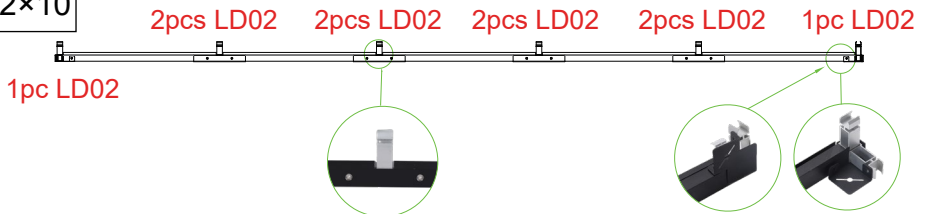
SR07×4



STEP8

Tighten the screw LD02.

LD02×10

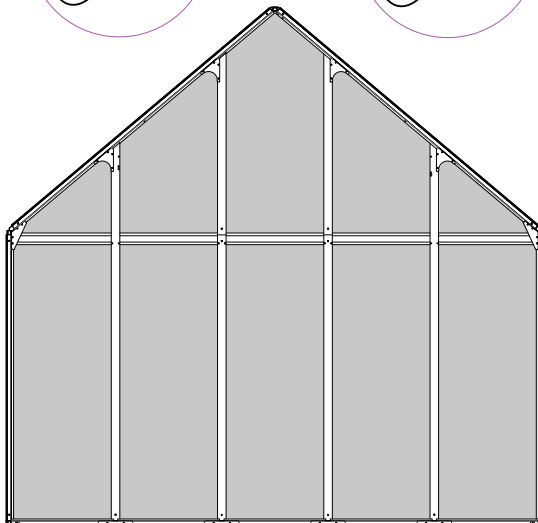
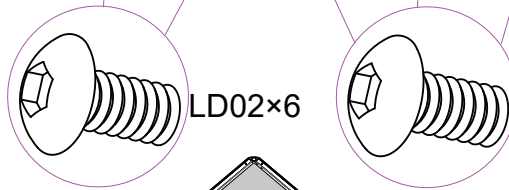
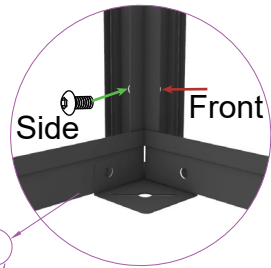
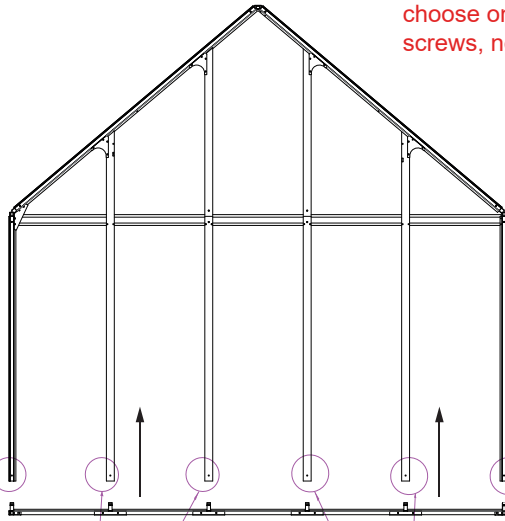
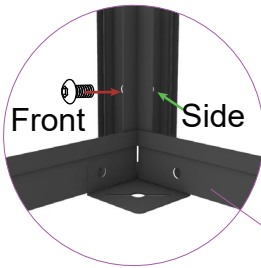


STEP9


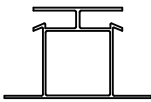
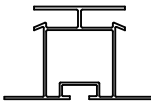
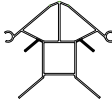
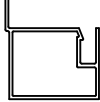
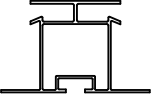
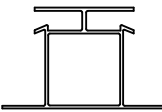
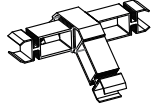
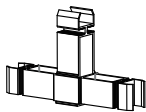
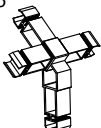

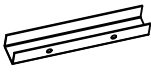
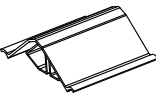


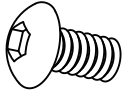
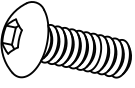
Connect these two part with bolt LD02.

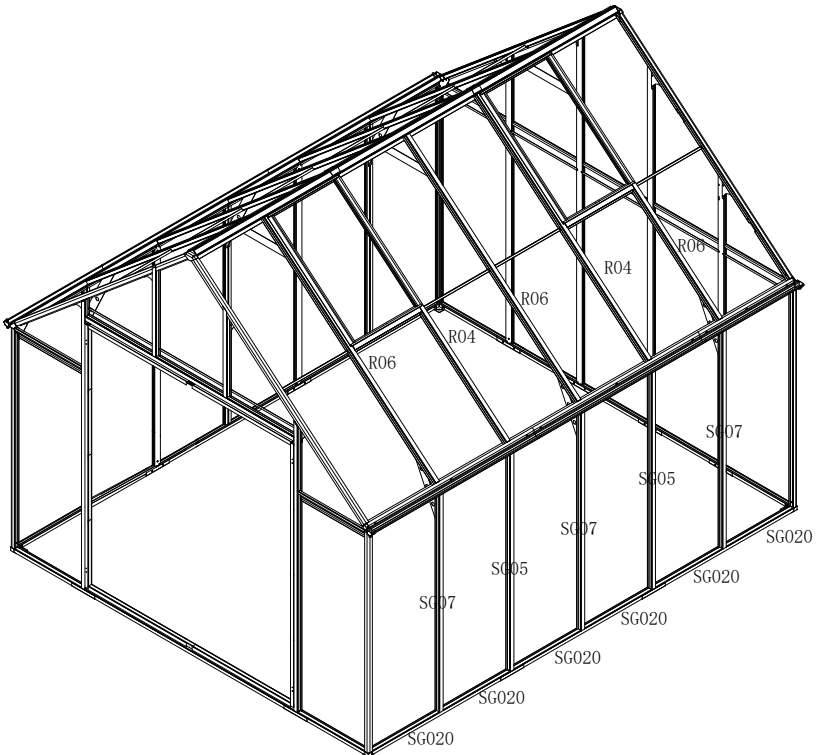
LD02×6

For these 2 corner area, there're front and side holes. You can choose one of them to fix the screws, not both. Thank you!



Side Wall and Roof Assembly

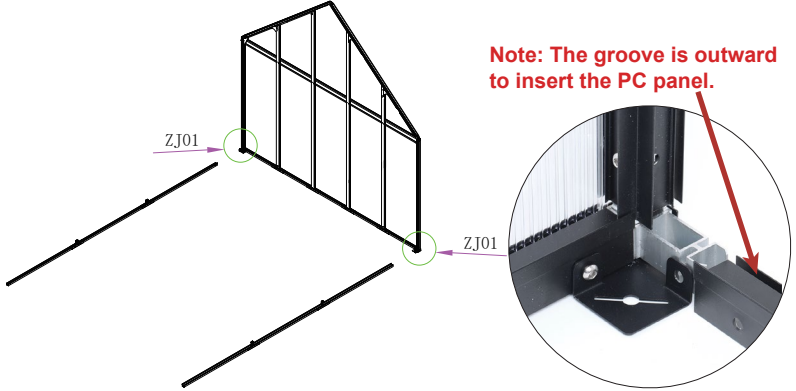
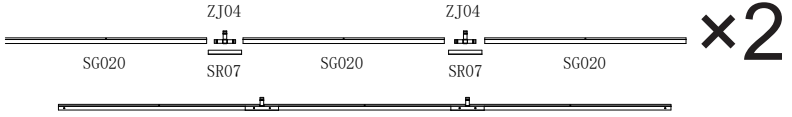
SG385 6PC 	SG05 4PC 	SG07 6PC 	R0184 3PC 	SG020 6PC 	R06 6PC 
R04 4PC 	ZJ03 2PC 	ZJ04 4PC 	ZJ05 4PC 	BJ03 2PC 	
SR07 4PC 	SL04 2PC 	LM01 32PC  M6	LD01 32PC  M6×12	LD02 42PC  M6×10	LD03 4PC  M6×12



STEP1

ZJ04×4
SR07×4
SG020×6
LD02×10

Connect SG020,ZJ04 and SR07 with bolt LD02.
Then,connect the whole part to ZJ01 with bolt LD02.
Repeat this step twice.



STEP2

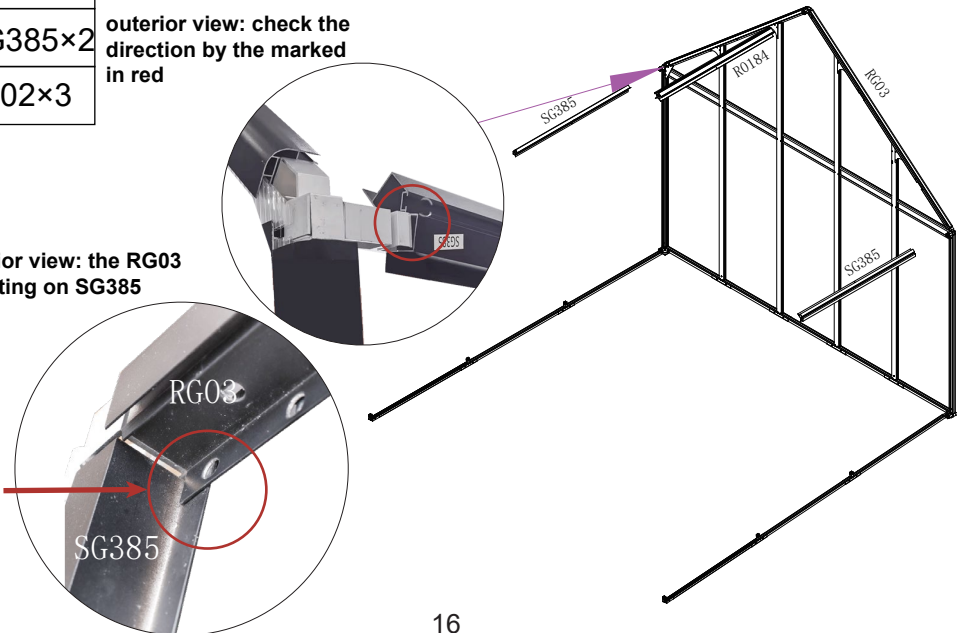
R0184×1
SG385×2
LD02×3

Connect R0184 and ZJ02 with Bolt LD02
Connect SG385,ZJ07 and ZJ06 with Bolt LD02

Note: Plz follow the pics to confirm the direction of SG385

exterior view: check the direction by the marked in red

interior view: the RG03 is sitting on SG385



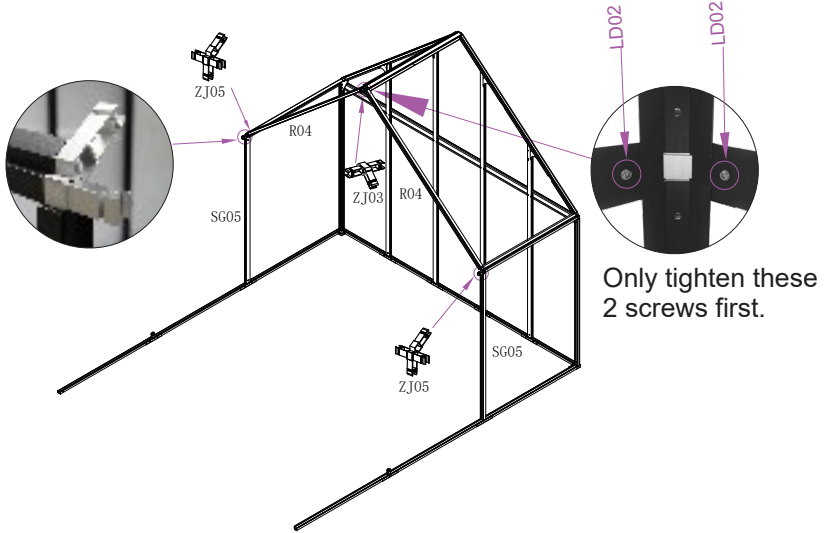
STEP3

R04×2
ZJ03×1
ZJ05×2
SG05×2
LD02×10

Connect ZJ05, SG05 and R04 with **3PCS Bolt LD02**.
Connect ZJ04 and SG05 with **1PCS Bolt LD02**.

Connect ZJ03 and R04 with **2PCS Bolt LD02**.

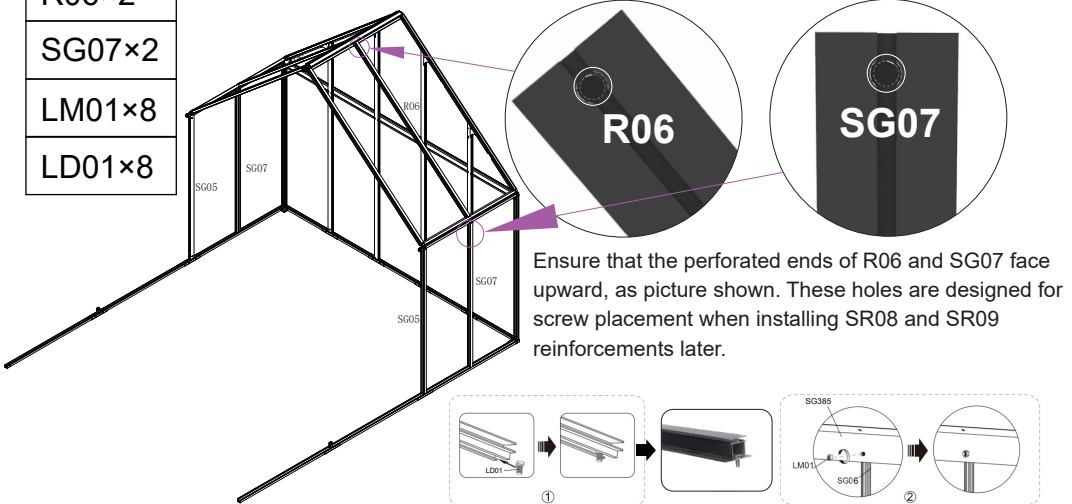
NOTE: Another holes are prepared for LD03 in step7.



STEP4

R06×2
SG07×2
LM01×8
LD01×8

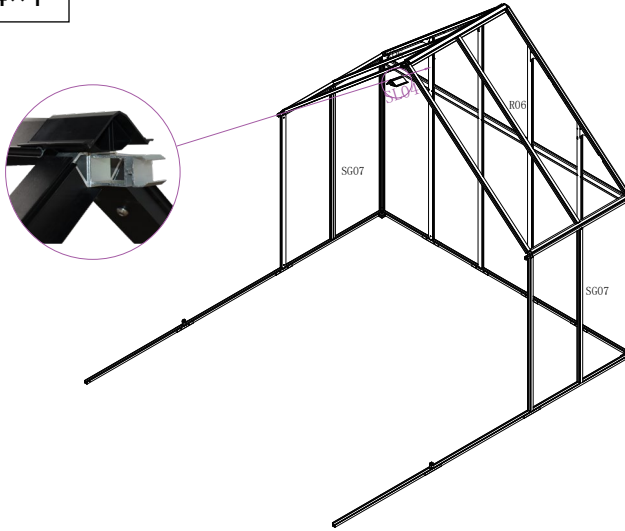
Connect SG07, SG385 and SG020 with Bolt LD01 and nut LM01
Connect R06, SG385 and R0184 with Bolt LD01 and nut LM01.



STEP5

Insert SL04.

SL04×1



STEP6

Connect ZJ05, SG05 and R04 with **3PCS** Bolt LD02.
Connect ZJ04 and SG05 with **1PCS** Bolt LD02.

Connect ZJ03 and R04 with **2PCS** Bolt LD02.
NOTE: Another hole is prepared for LD03 in step7.

R04×2

ZJ03×1

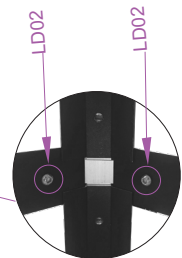
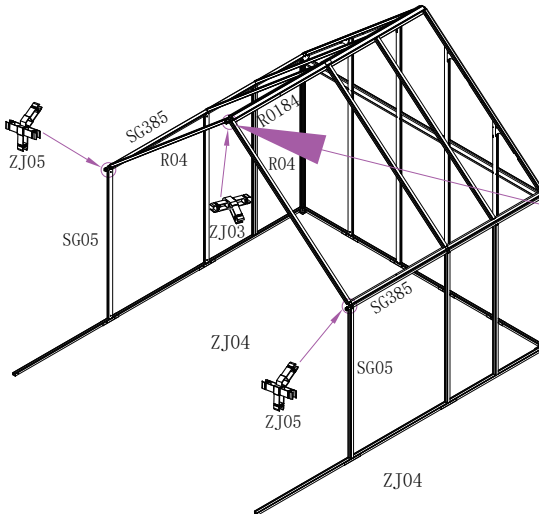
ZJ05×2

R0184×1

SG385×2

SG05×2

LD02×12

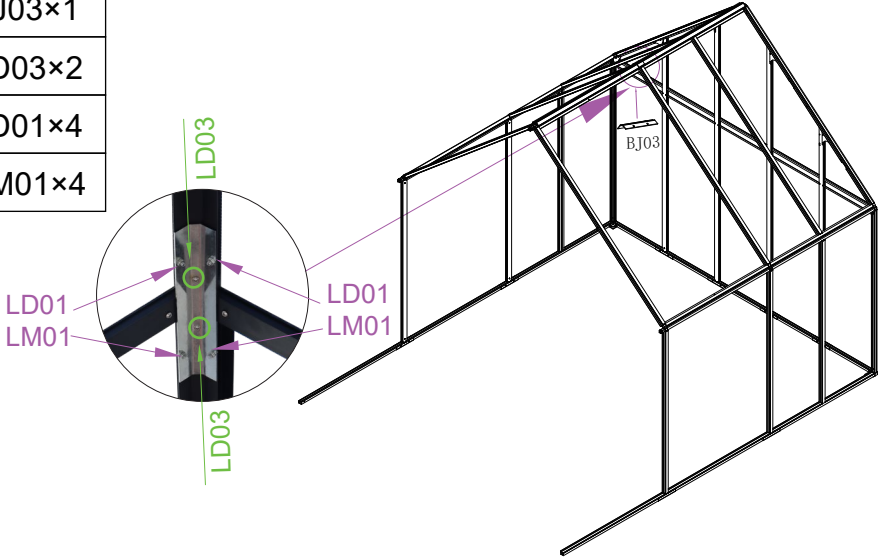


Only tighten these 2 screws first.

STEP7

Connect BJ03 and R0184 with Bolt LD03,LD01andLM01.

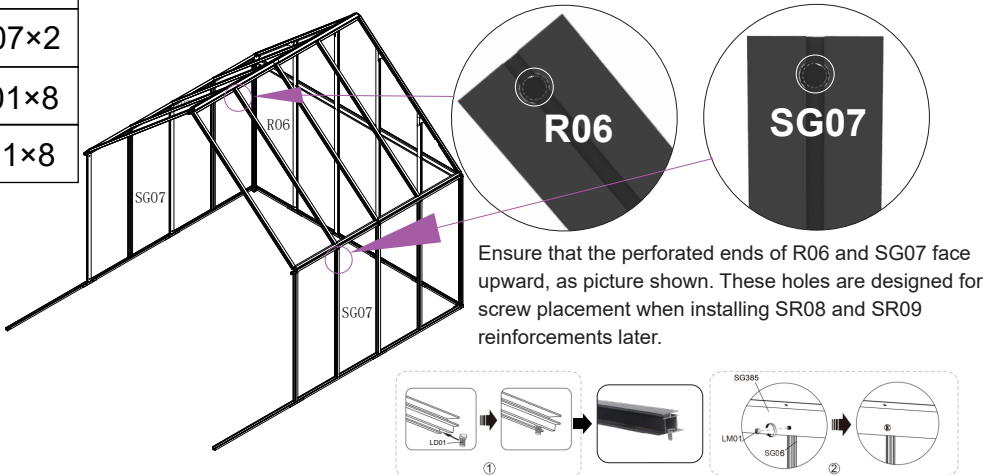
BJ03×1
LD03×2
LD01×4
LM01×4



STEP8

Connect SG07,SG385 and SG020 with Bolt LD01 and nut LM01
Connect R06,SG385 and R0184 with Bolt LD01 and nut LM01.

R06×2
SG07×2
LM01×8
LD01×8

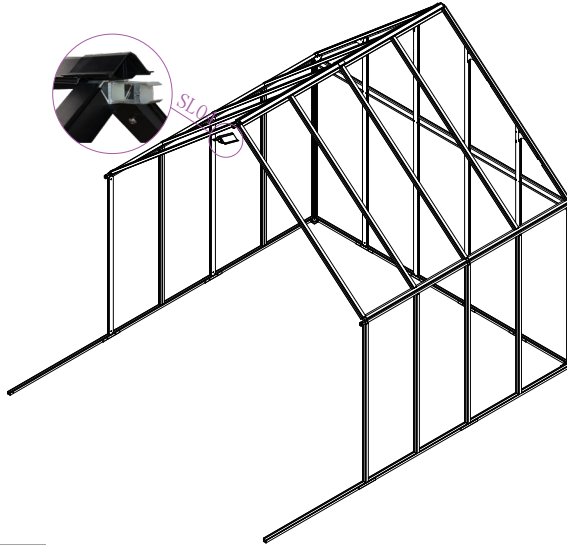


Ensure that the perforated ends of R06 and SG07 face upward, as picture shown. These holes are designed for screw placement when installing SR08 and SR09 reinforcements later.

STEP9

Insert SL04.

SL04×1



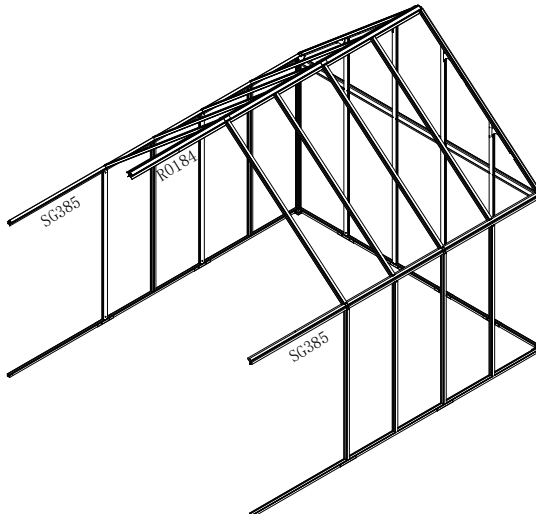
STEP10

Connect R0184 and ZJ03 with bolt LD02
Connect SG385 and ZJ05 with bolt LD02.

R0184×1

SG385×2

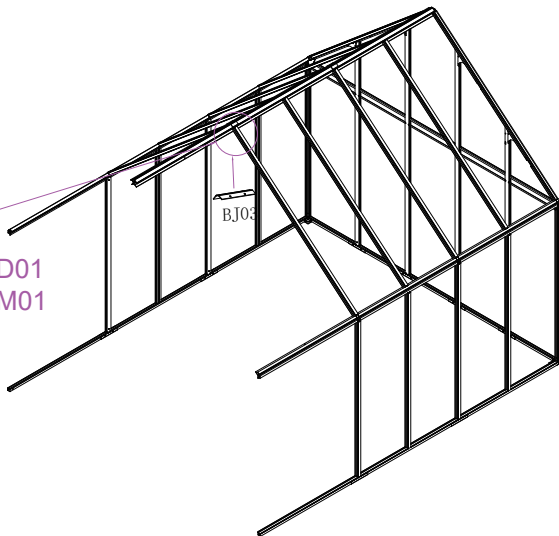
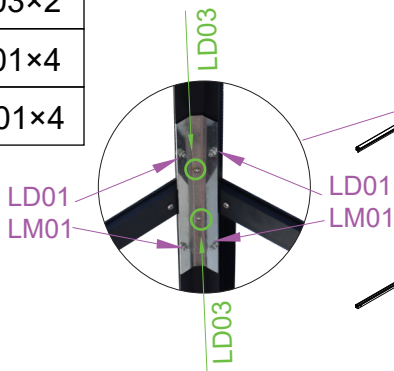
LD02×2



STEP11

Connect BJ03 and R0184 with Bolt LD03,LD01andLM01.

BJ03×1
LD03×2
LD01×4
LM01×4

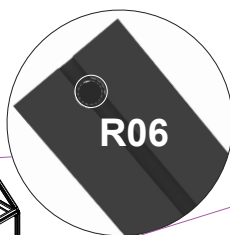
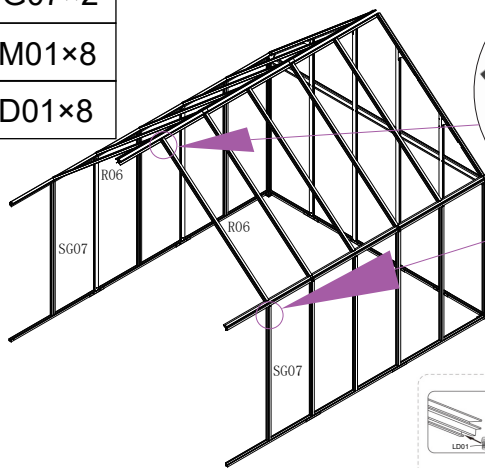


STEP12

Connect SG07,SG385 and SG020 with Bolt LD01 and nut LM01

Connect R06,SG385 and R0184 with Bolt LD01 and nut LM01

R06×2
SG07×2
LM01×8
LD01×8



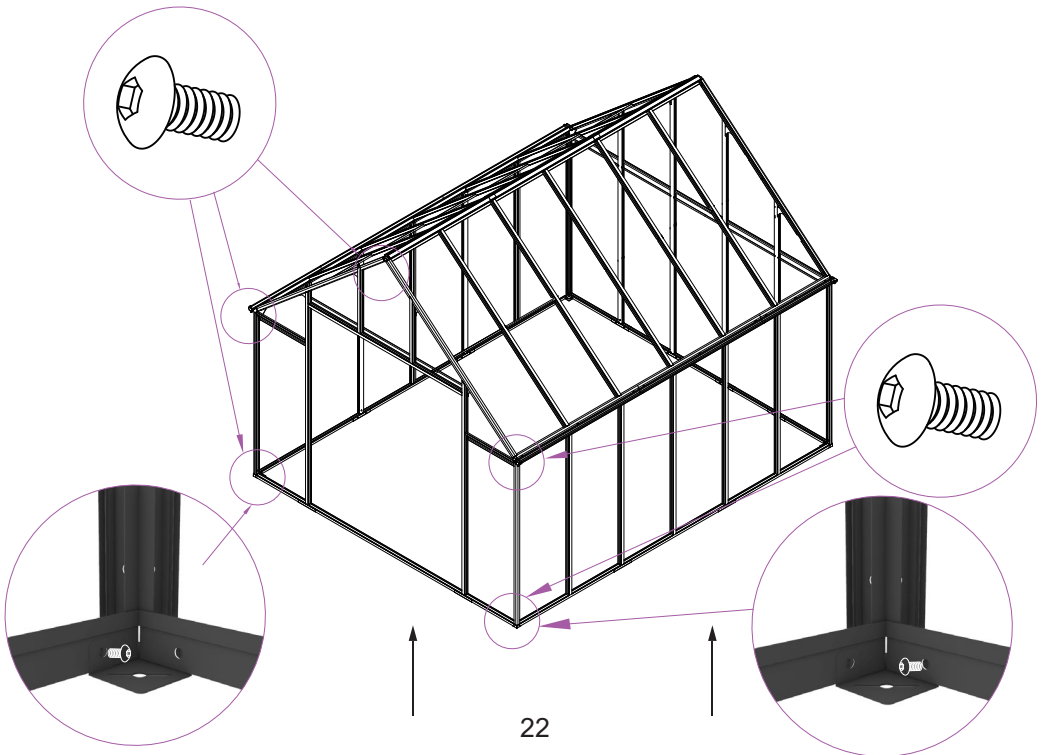
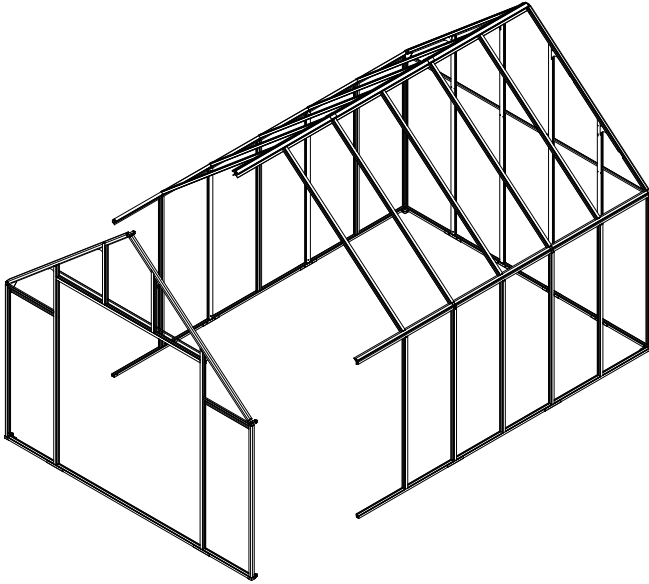
Ensure that the perforated ends of R06 and SG07 face upward, as picture shown. These holes are designed for screw placement when installing SR08 and SR09 reinforcements later.



STEP 13

Connect two part with bolt LD02

LD02×5



STEP14

Topic: Assemble The Top Frame

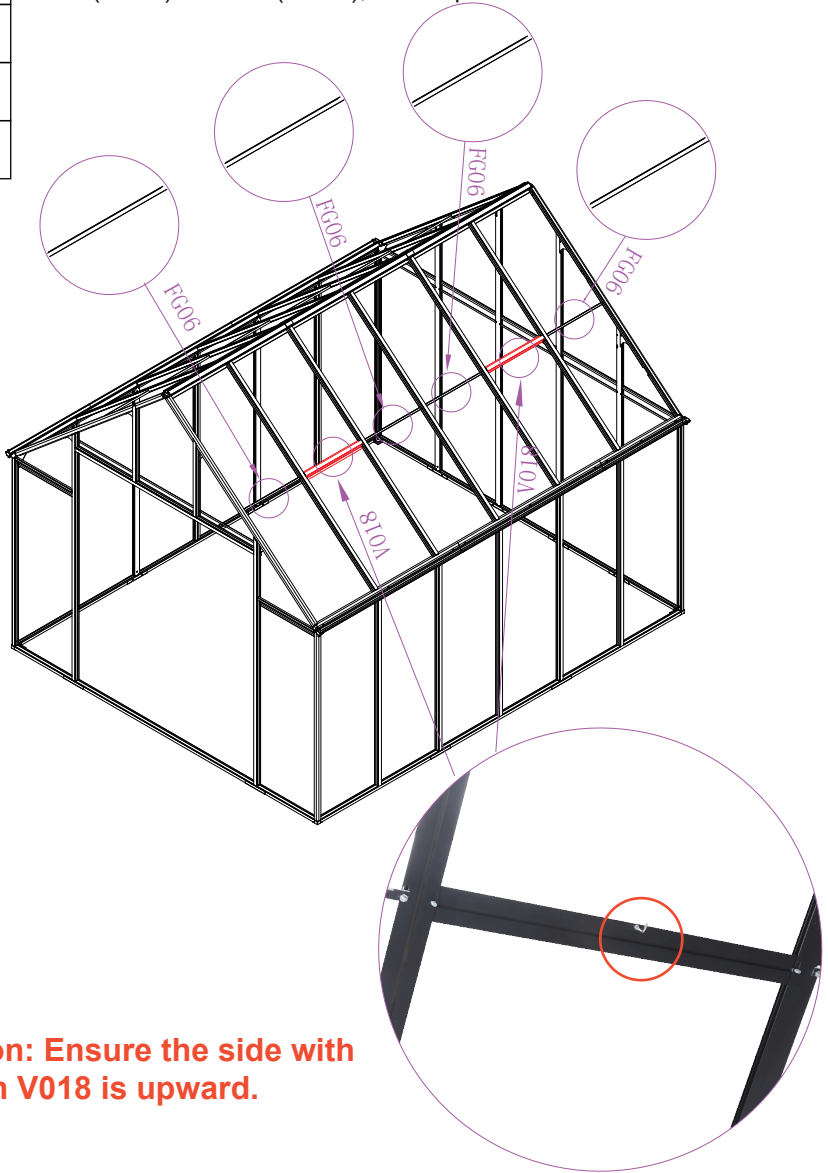
FG06×10

V018×2

LD01×24




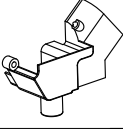
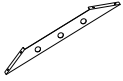





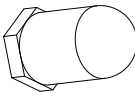

LM01×24

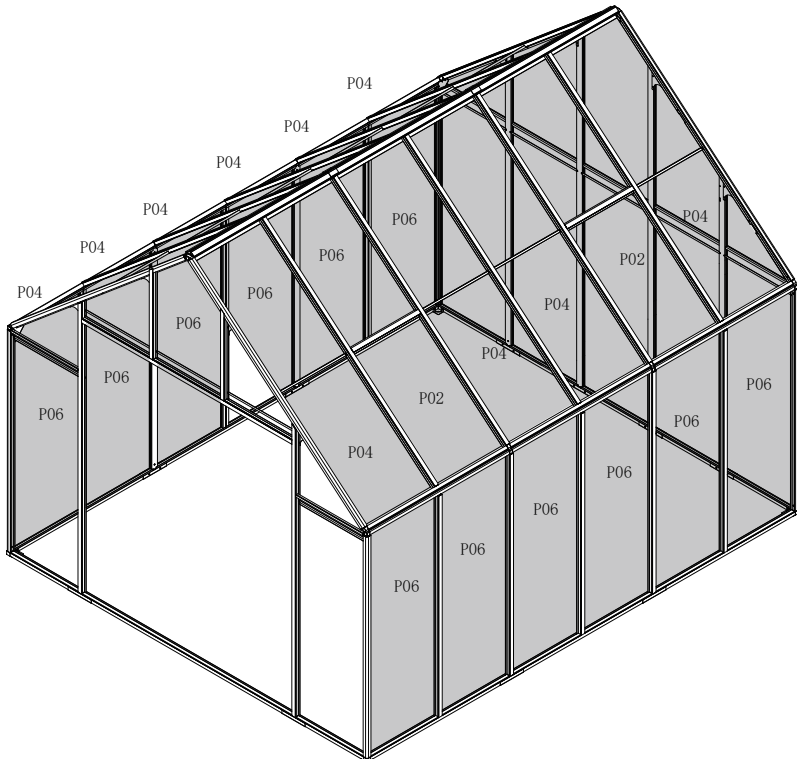
Connect the rods(R04) with the rods(R06) by using rods(FG06 or V018), screws(LD01)and nuts(LM01), as the picture showed below



Attention: Ensure the side with hook on V018 is upward.

PC Panel Assembly

R030 4PC 	R032 2PC 	SL01 2PC 	SL02 2PC 	SR08 6PC 
SR09 3PC 	P06 12PC  19.2×34.4	P02 2PC  38.4×24.1	P04 10PC  77.6×24.1	
LD04 12PC 	LM03 16PC 	LD01 16PC 		



STEP1

SR09×3	SR08×6	LD01×36	LM01×36
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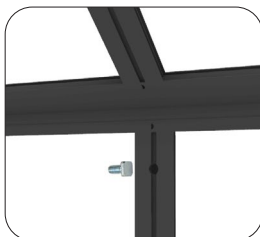
STEP1:



Insert 2 screws through the top hole on R06



Align the hole on SR08 and fix it with nut (only tighten 50% first)



Insert 2 screws through the top hole on SG07 and align the hole on SR08

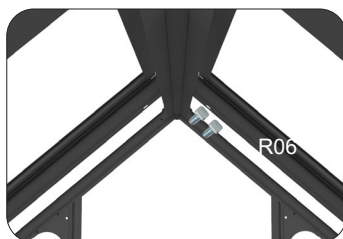


Fix and 100% tighten all screws on SR08

STEP2:



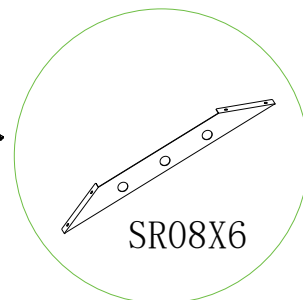
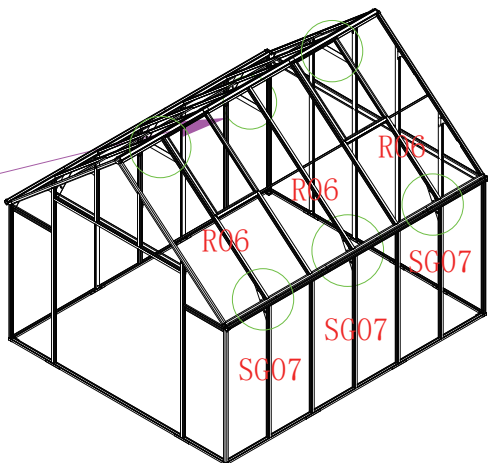
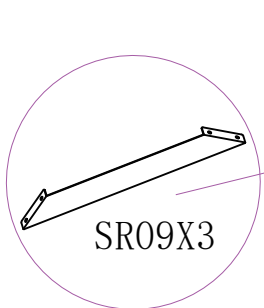
Insert 2 screws through the top hole on R06 and align the hole on SR09, fix it with nut (only tighten 50% first)



Insert 2 screws through the top hole on another R06 and align the hole on SR09

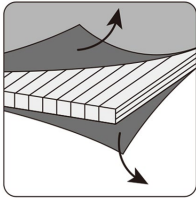


Fix and 100% tighten all screws on SR09

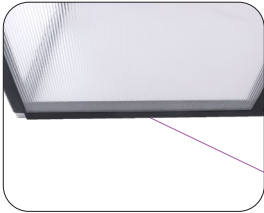


STEP2

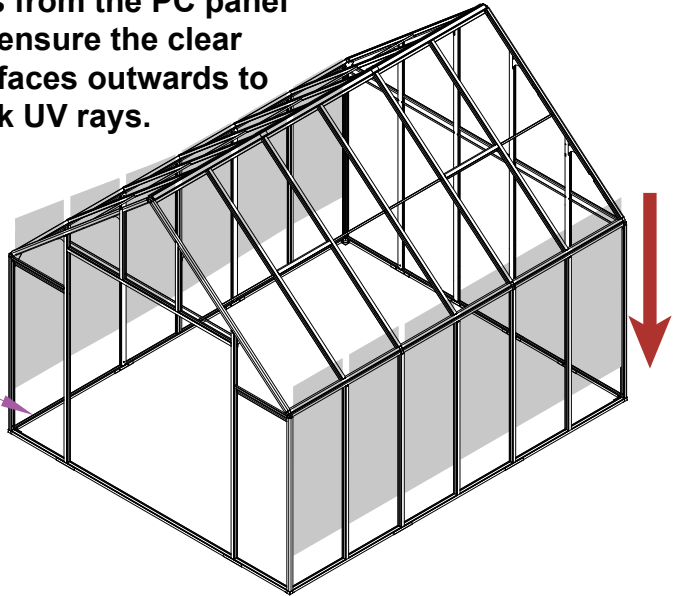
P06×12



Remove both protective films from the PC panel and ensure the clear film faces outwards to block UV rays.



insert the transparent panels to the groove of frame

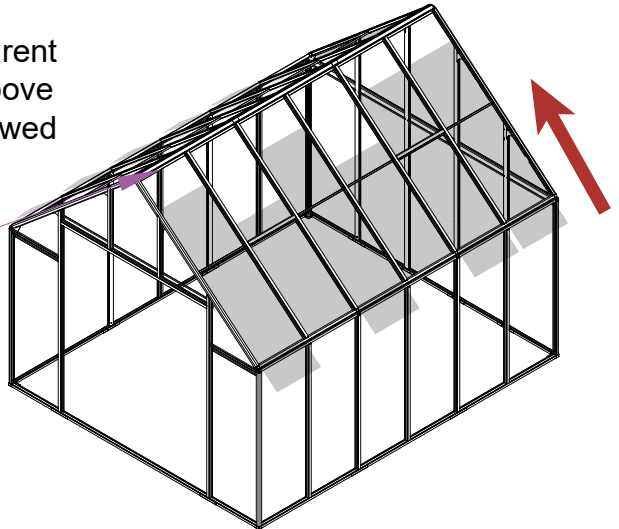


STEP3

P04×10

push the transparent panels to the groove of beams as showed

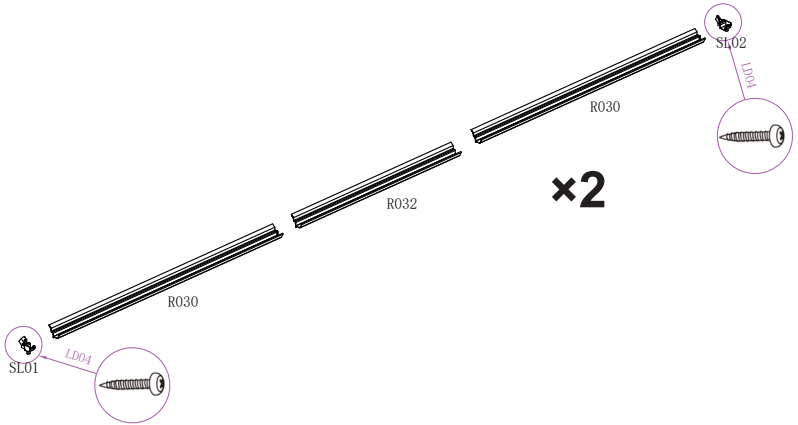
P02×2



STEP4

Connect SL01 and R030 with LD04;
Connect R030 and SL02 with LD04.

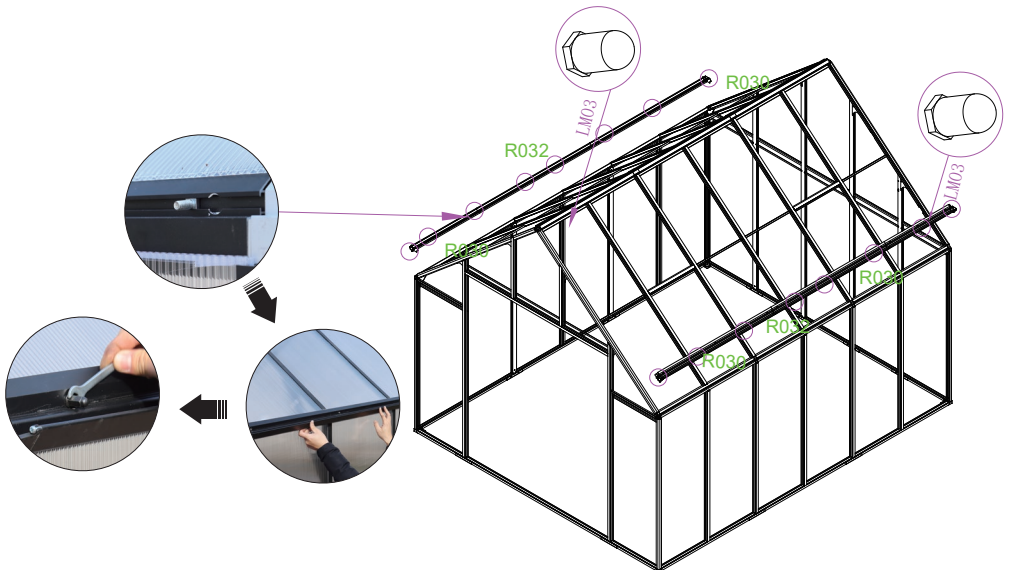
SL01×2
SL02×2
R032×2
R030×4
LD04×12




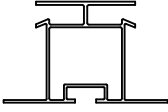
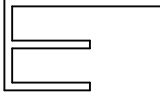



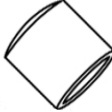
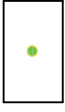
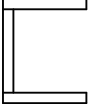




STEP5

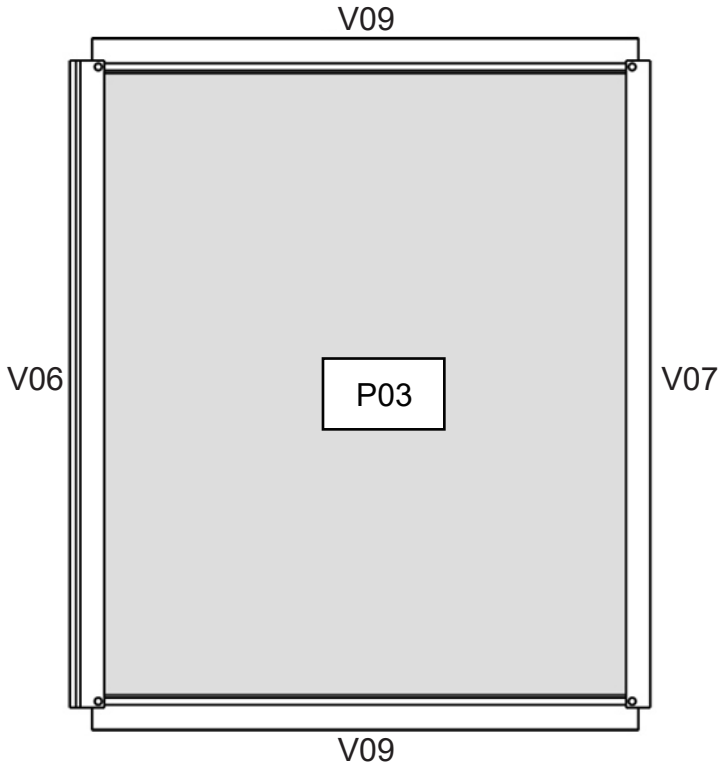
LD01×16
LM03×16

2pc R030+1pc R032 should be placed on the 2 sides of the greenhouse separately(as picture shows),then adjust the position of the bolts to align the bolts with the holes.



Vent Assembly

V07 2PC 	V018 2PC 	V06 2PC 	V09 4PC 	SL03 2PC 
SL05 2PC 	SL06 2PC 	P03 2PC  21.8×37.6	V019 2PC 	
LM01 12PC 	LM02 4PC 	LD01 12PC 	LD05 4PC 	



STEP 1

V07×1

V09×2

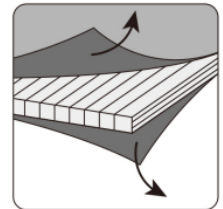
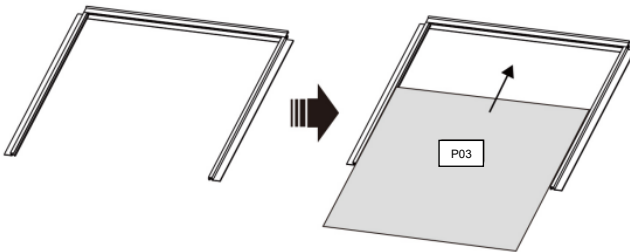
LD01×2

LM01×2



STEP 2

P03×1

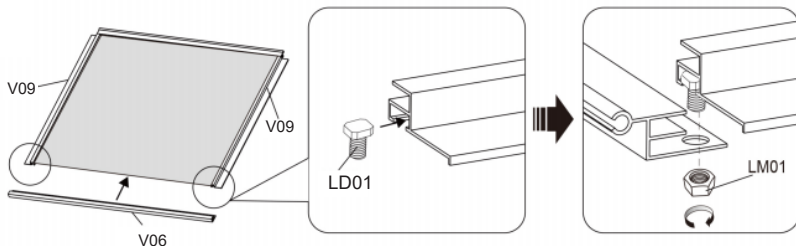


Remove both protective films from the PC panel and ensure the clear film faces outwards to block UV rays.

STEP3

Connect V06 and V09 with Bolt LD01 and Nut LM01

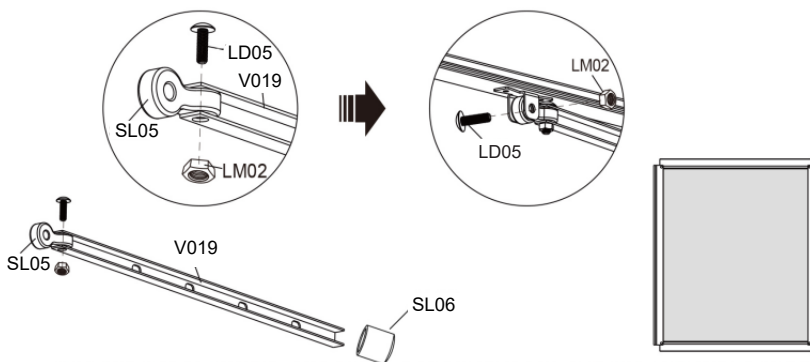
V06×1
LD01×2
LM01×2



STEP4

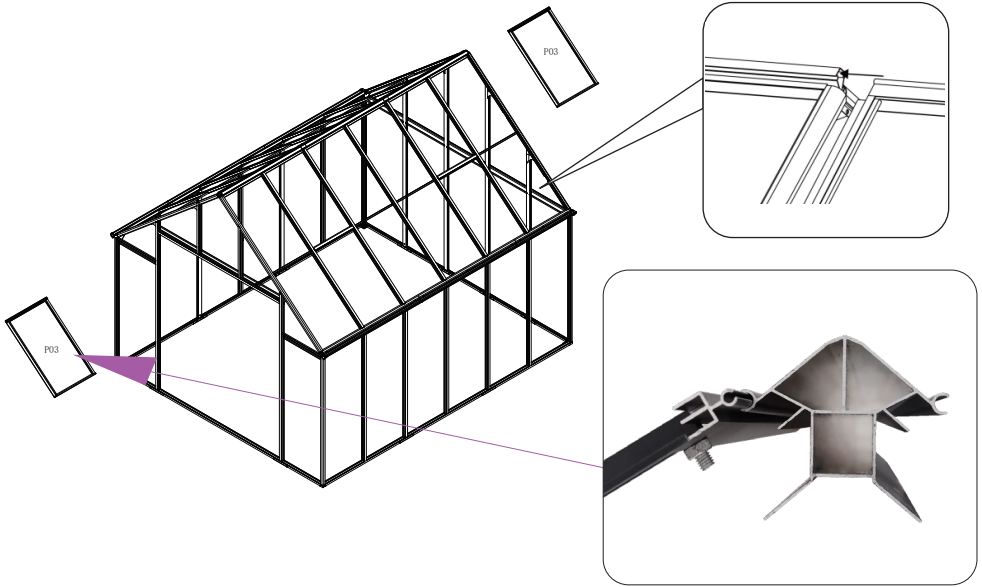
Connect V019 and SL05 with Bolt LD05 and Nut LM02

V019×1
SL05×1
SL06×1
LD05×2
LM02×2

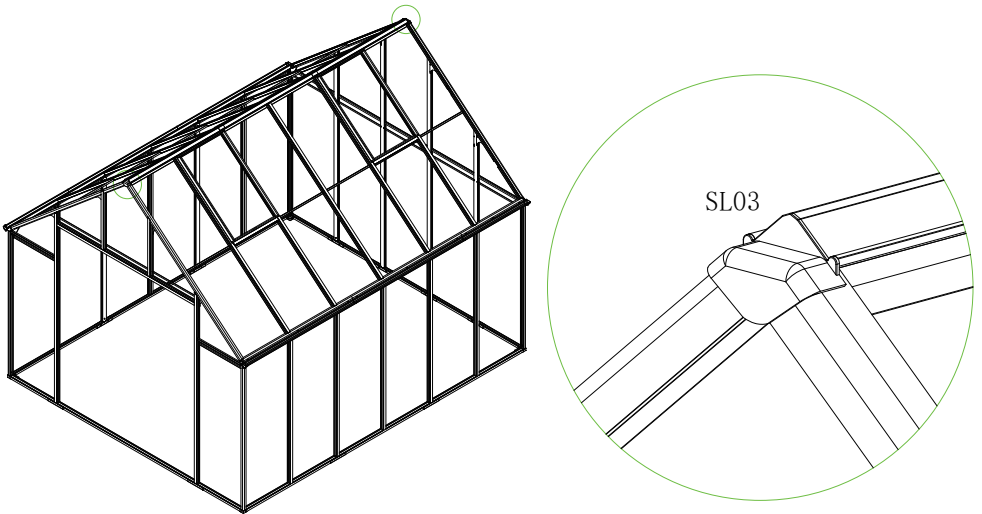


STEP5

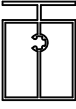
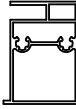
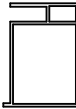
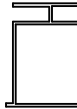
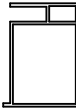
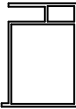


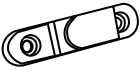



Repeat the above steps to obtain another window

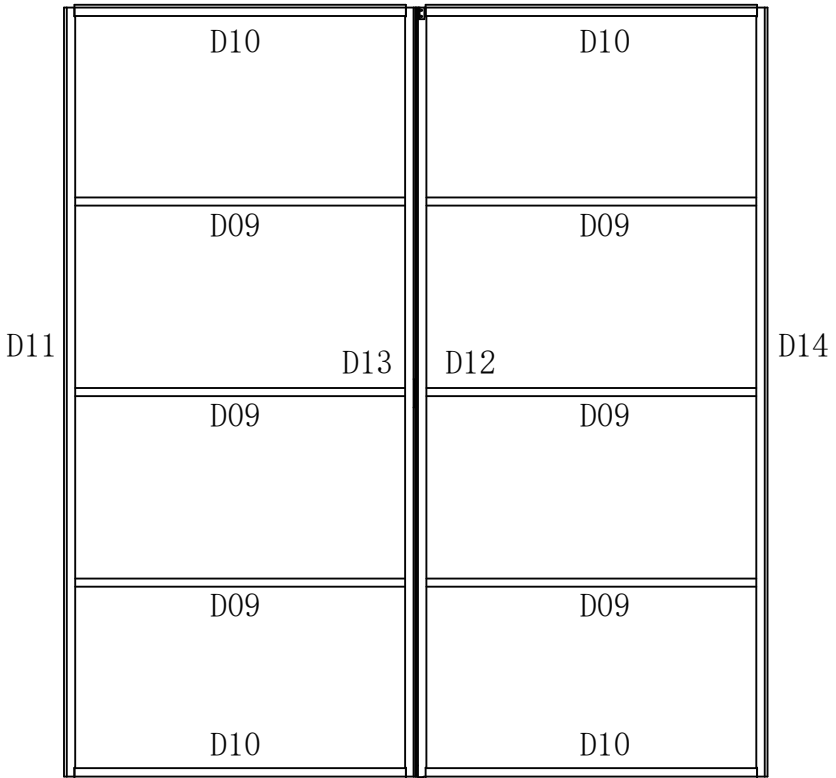


STEP6



Door Assembly

D09 6PC 	D10 4PC 	D11 1PC 	D12 1PC 	D13 1PC 	D14 1PC 
CT01 1PC 	CT02 1PC 	H01 1PC 	H02 1PC 	LD04 28PC 	P07 8PC  19.2×34.4



STEP1

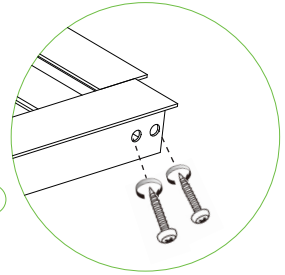
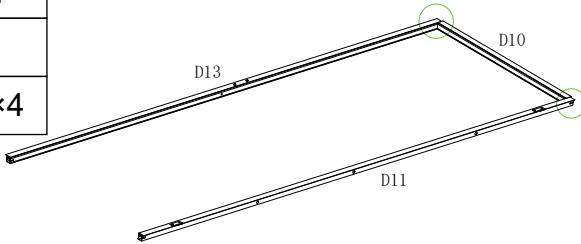
Connect D10, D11 and D13 with bolt LD04

D10×1

D13×1

D11×1

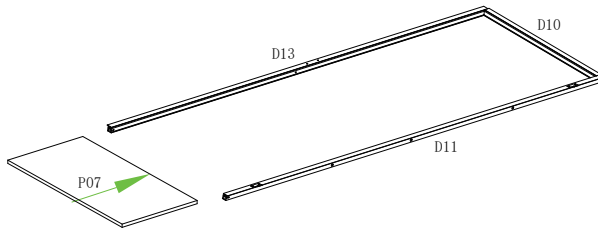
LD04×4



STEP2

Insert P07.

P07×1

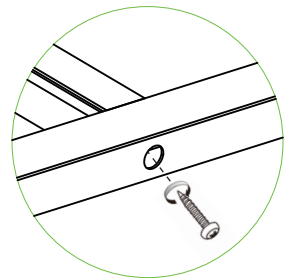
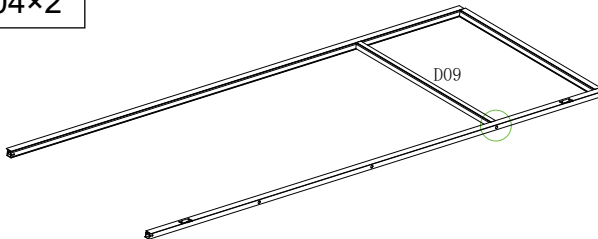


STEP3

Connect D09, D11 and D13 with bolt LD04

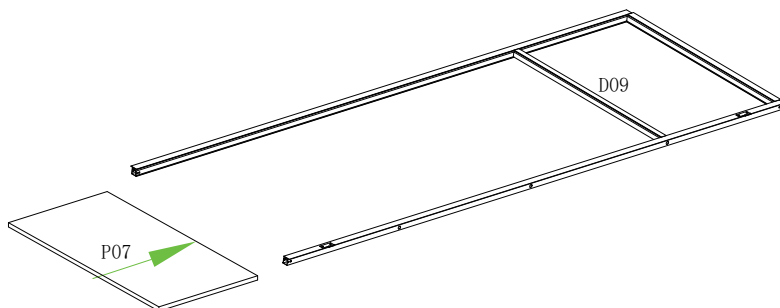
D09×1

LD04×2



STEP4

P07×1

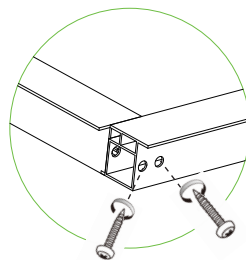
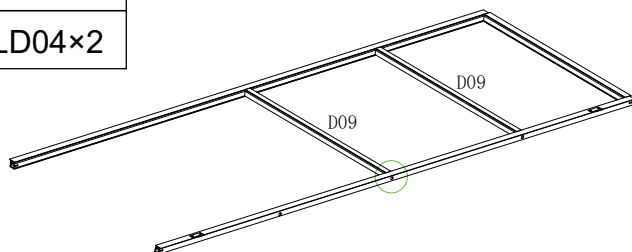


STEP5

D09×1

LD04×2

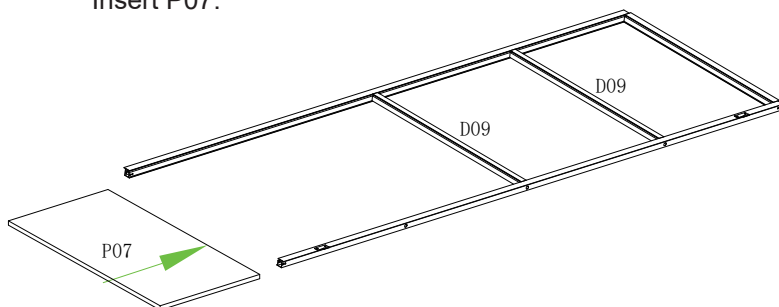
Connect D09, D11 and D13 with bolt LD04



STEP6

P07×1

Insert P07.

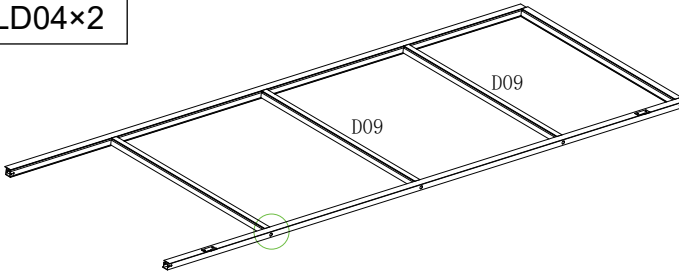


STEP7

Connect D09, D11 and D13 with bolt LD04

D09×1

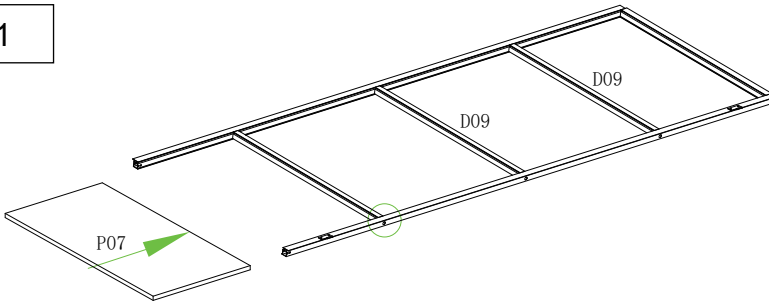
LD04×2



STEP8

Insert P07.

P07×1

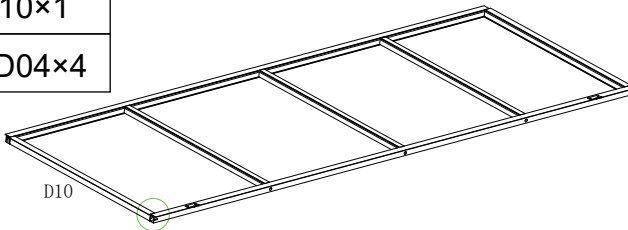


STEP9

Connect D10 with Bolt LD04.

D10×1

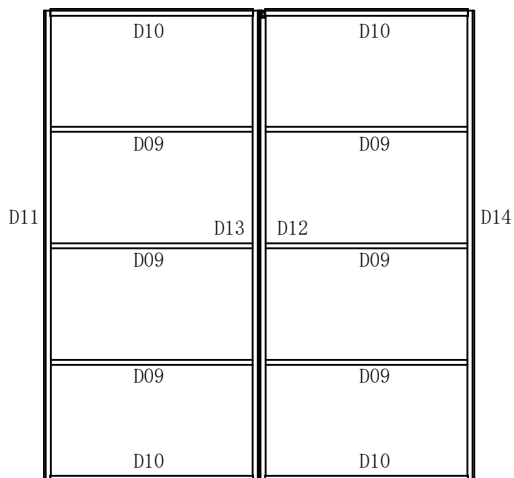
LD04×4



STEP10

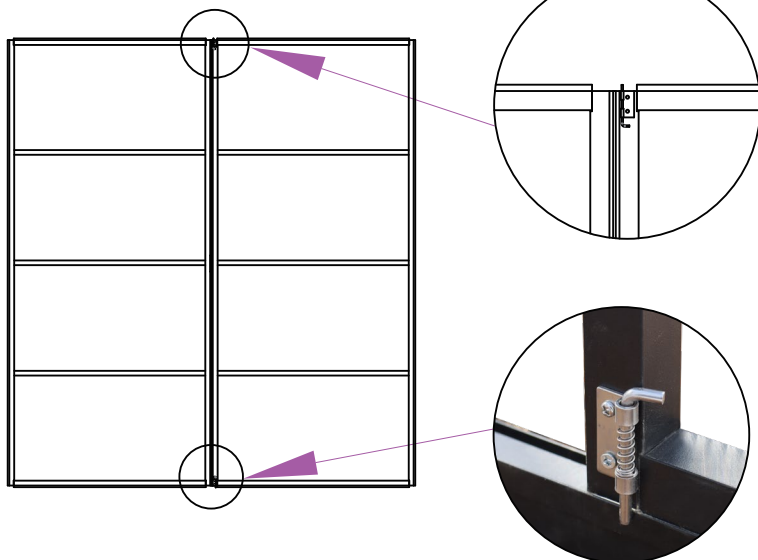
Repeat the above steps to complete the assembly of another door. Please note the other door use D12 and D14.

D09×3
D10×2
D14×1
D12×1
LD04×14
P07×4



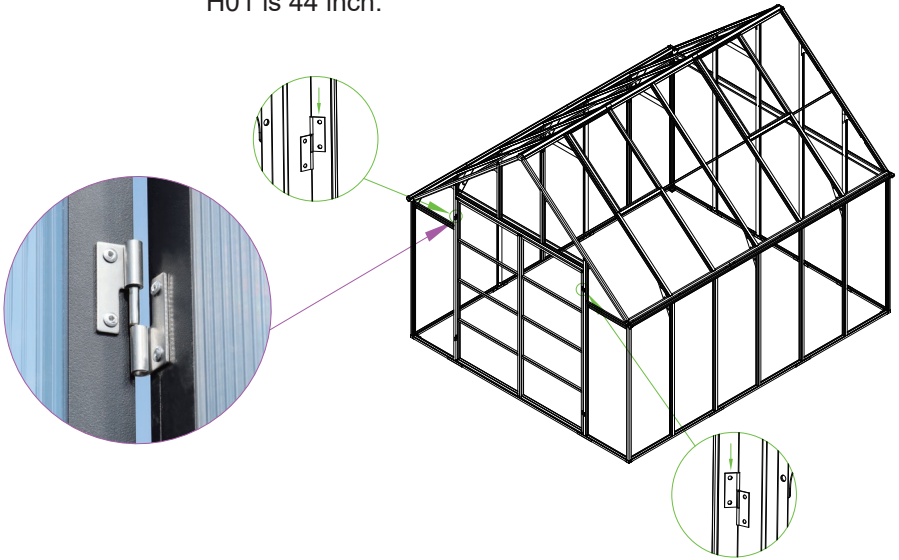
STEP11

CT01×1
CT02×1
LD06×4



STEP 12

Connect H01 with door by using the screws which will be equipped in H01. The recommended installation height for H01 is 44 inch.

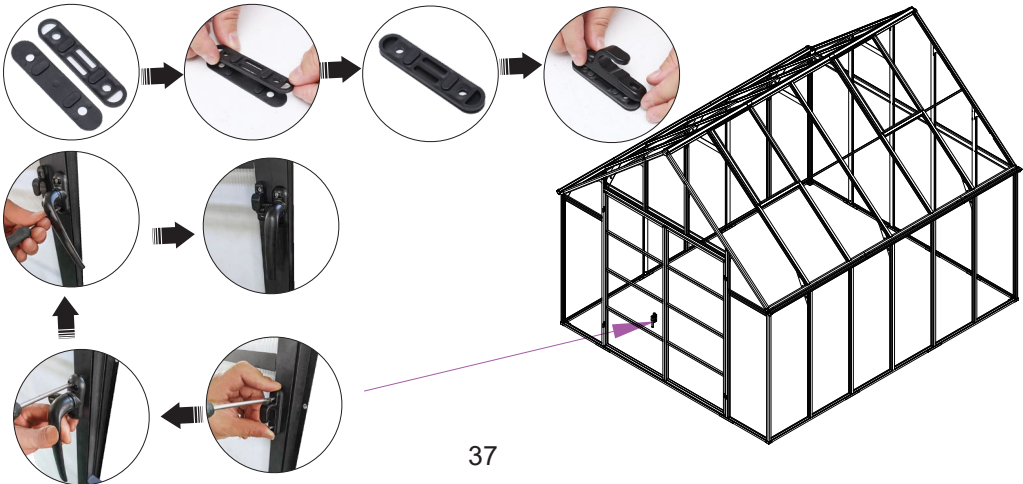


STEP 13

H01×1

H02×1

Connect H01 with the door using the screws provided in the package with H01. The recommended installation height for H01 is 44 inches.

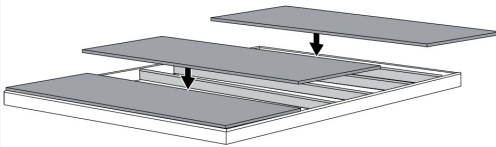


Assembled Foundation Choose

As per your purchase choice, you may receive a greenhouse with or without a prefabricated base kit. Either way, this greenhouse must be secured to a firm base.

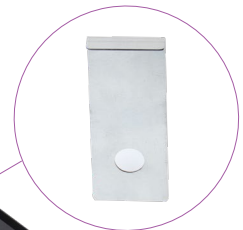
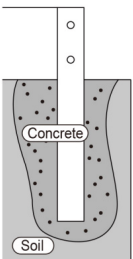
The ways to install the base depends on the option that you choose. Here are two examples

Option A



When you install the greenhouse on the board: Use LD07 to fix the BJ04

Option B



When you install the greenhouse on concrete: Insert BJ05 into BJ04, and then mounted into concrete.

