Manual for Vego Victorian Greenhouse 10.5 X 16.5 ft.
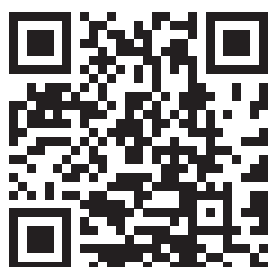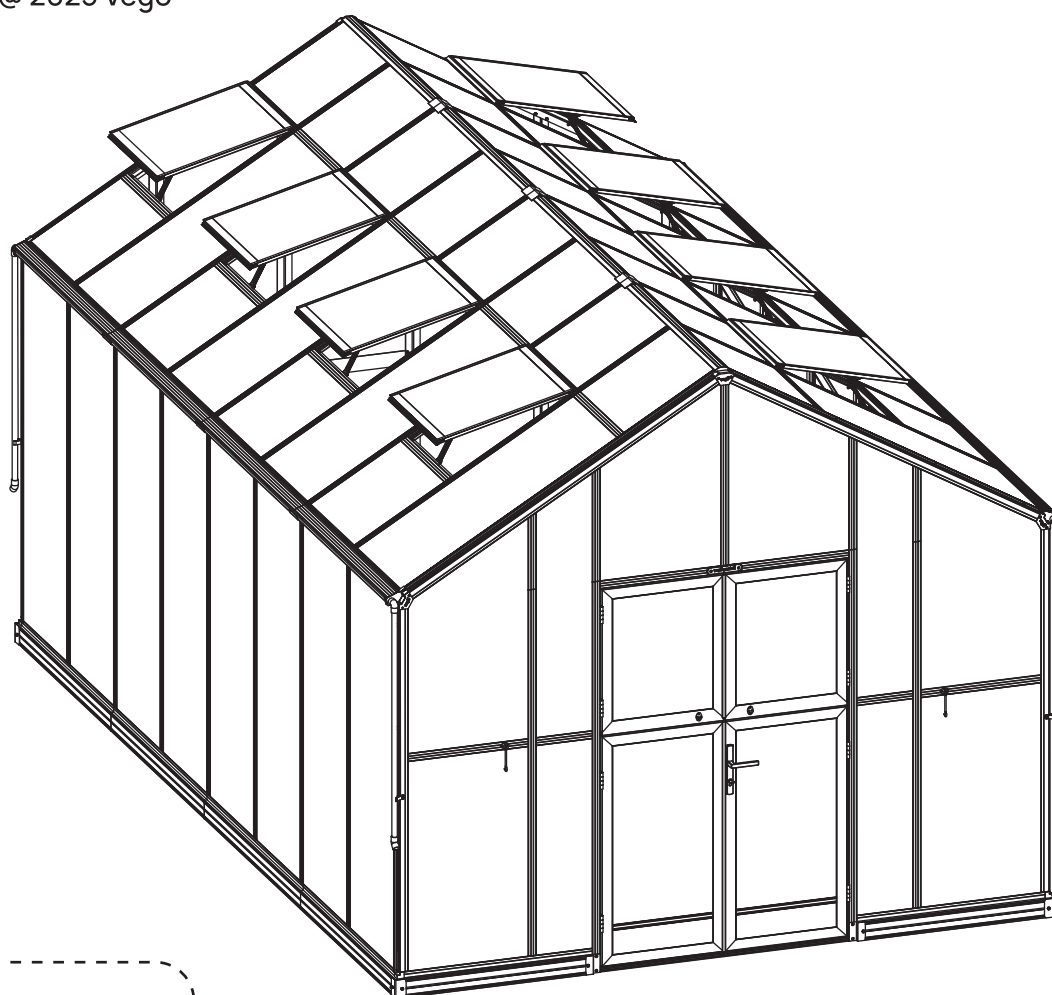
vegogarden.com

Model:
VGHV1016

Dimensions:
10.5' X 16.5' X 9.4' (H)

CONTENTS

Safety Advice

1. This product is designed to be used as a greenhouse.
2. It is important to assemble the product according to this manual, do not skip or modify any steps.
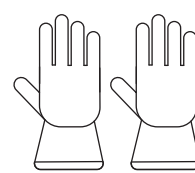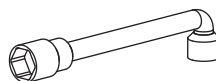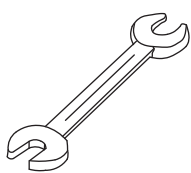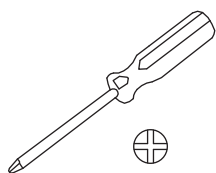3. Wear gloves, shoes and safety glasses during assembling to avoid injury.
4. Do not climb or stand on the roof.
5. Keep children away from the assembly area.
6. Do not assemble the product in windy, wet or bad weather conditions.
7. Do not assemble the product under the influence of medication, alcohol or drugs.

Tools & Packing Information

● Tools Provided
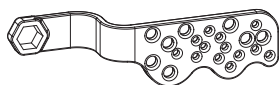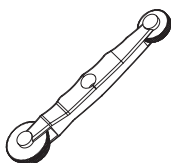
● Tools Required (Not Provided)
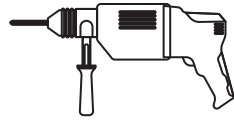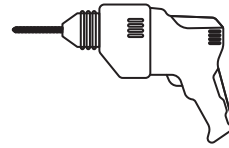
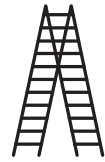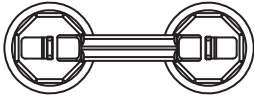| Painter's tape | Tape measure | Scissors | Rubber mallet |

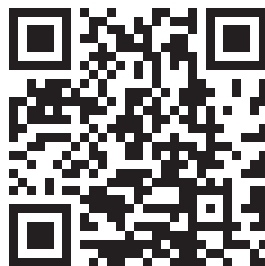| Level	Hammer drill + 25/64 Drill bit 5/16" Drill bit	Cordless driver - Philips head	6ft Ladder

Glass suction tool
(Glass Model)

● 3+ Person Assembly
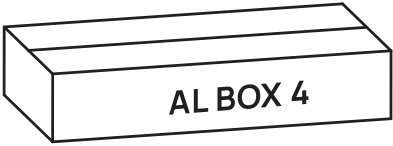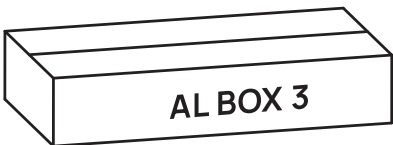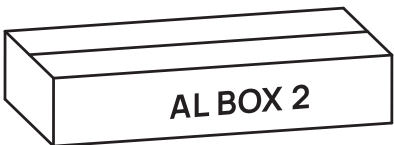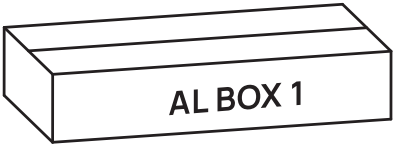
3+
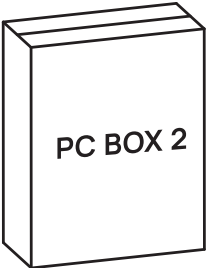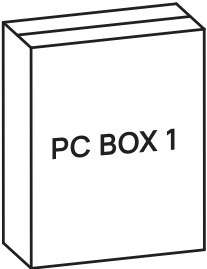
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● Packing Information

Aluminum Frame & Hardware:

AL BOX 1

AL BOX 2

AL BOX 3
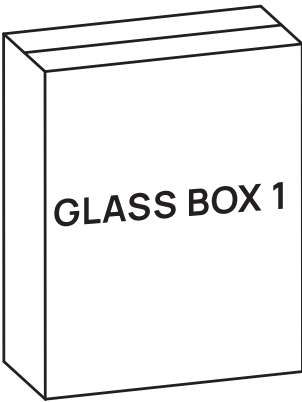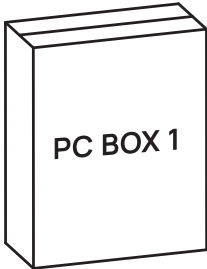
AL BOX 4

Full Polycarbonate Version:
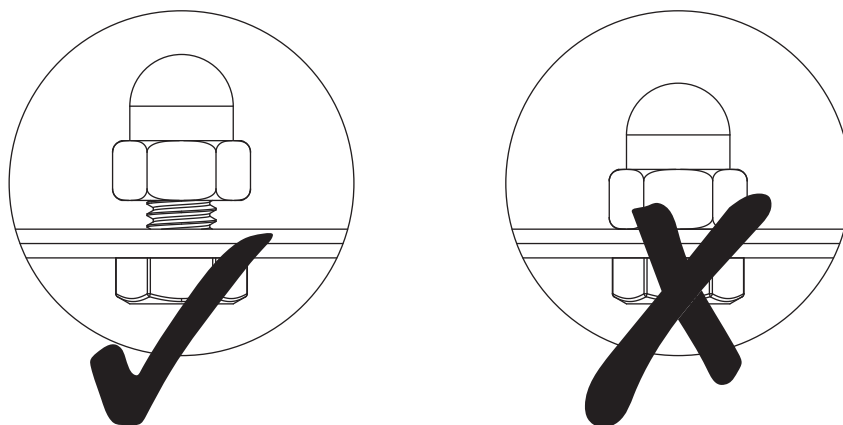
PC BOX 1

PC BOX 2

Or

Polycarbonate + Glass Version:

PC BOX 1

GLASS BOX 1

Packing List:
Please refer to documents provided in the boxes.
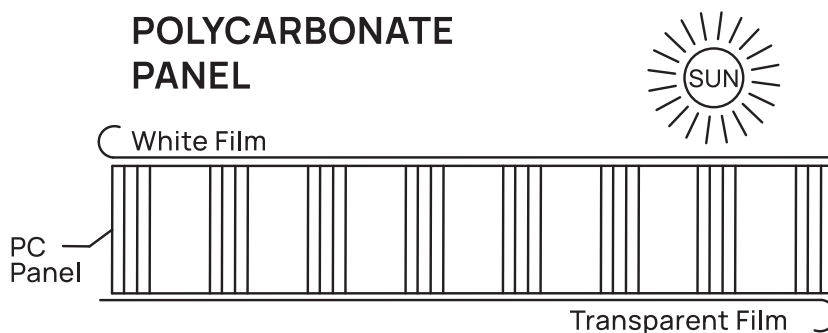
🌱 Assembly & Manitenance

1. Place the parts on a soft surface to avoid scratches and damage.

2. Loosely tighten bolts as you assemble. After the greenhouse is built, and still loosely connected, tighten all bolts completely.


3. Keep the roof and gutters clear of snow, dirt and leaves in order to avoid damage to the product.

4. Clean the product with a mild soap and rinse with cold, clean water.

5. Do not use acetone, abrasive cleaners, or other special detergents to clean the product.

For PC Panels

6. Remove the clear film prior to assembly. The white film indicates the UV-Protected side of the panels. Peel back the white film to expose only the edges (until the panels are in place) to ensure that the UV-Protected side is facing outwards in final assembly.

POLYCARBONATE PANEL

SUN

White Film

PC Panel

Transparent Film

7. Cover the two cut edges of the PC panels with the provided tape before installation to seal the channels & prevent moisture from getting trapped inside.

Cut edge of the polycarbonate panel

H158/H159

H158/H159
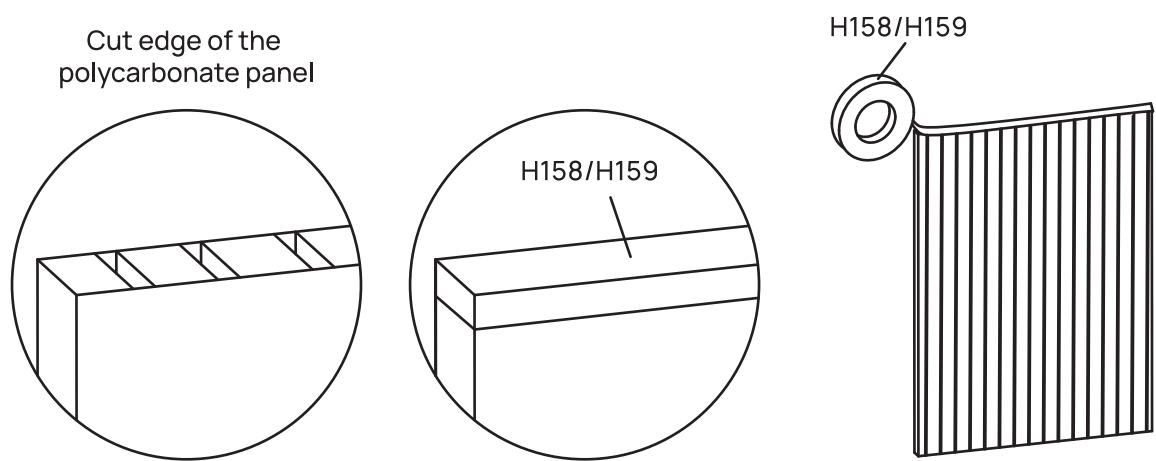
For Glass Panels

8. Use a glass suction tool (not included) for easier and safer installation of glass panels. Ensure all surfaces are clean, dry, and free from oil or dirt before use. Refer to your tool's manual for detailed instructions.
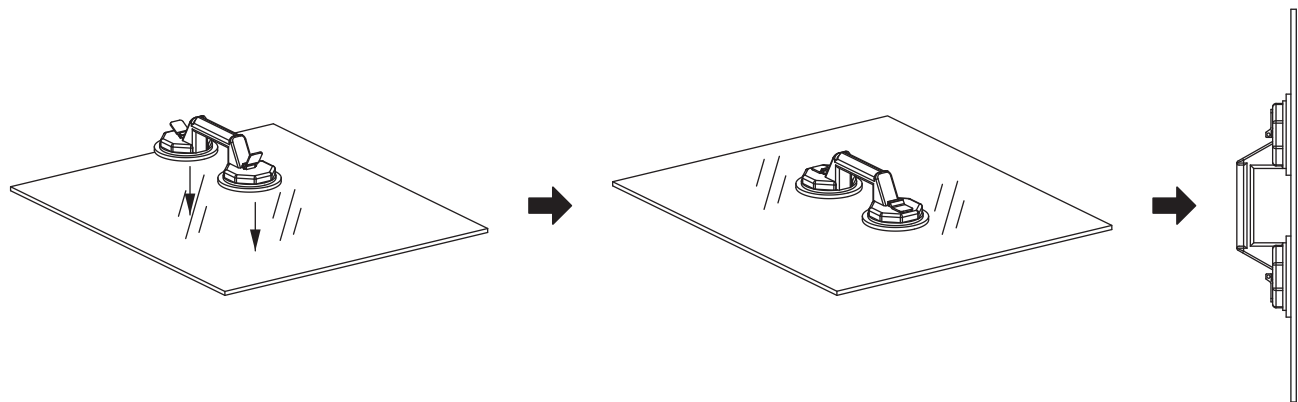
9. After the glass panels are positioned, use the provided roller tool to press the sealing strip into the gap between the glass and the frame, ensuring it is firmly secured.
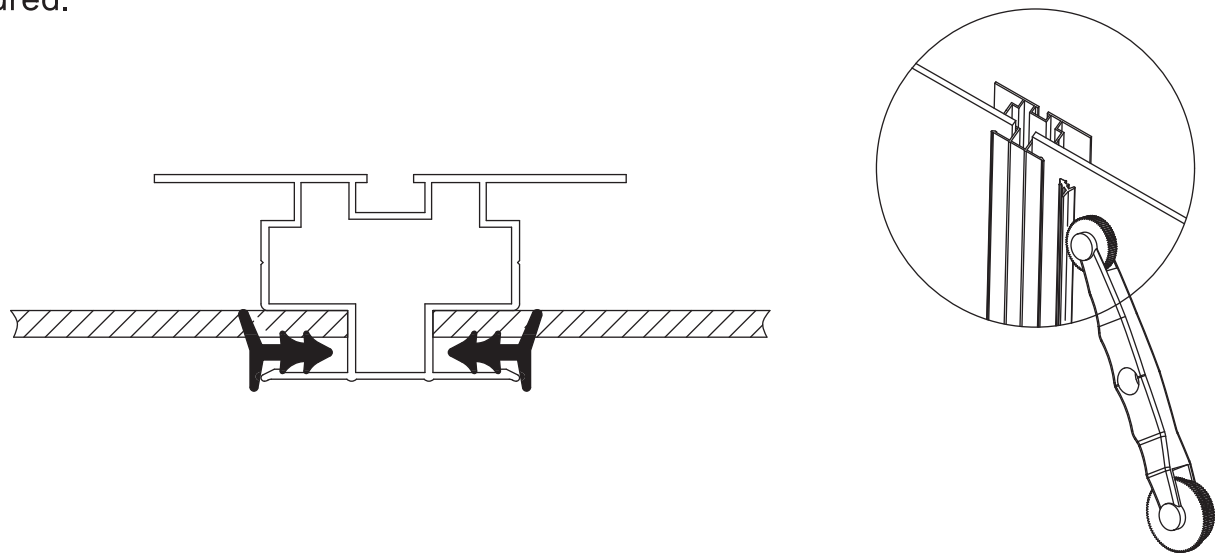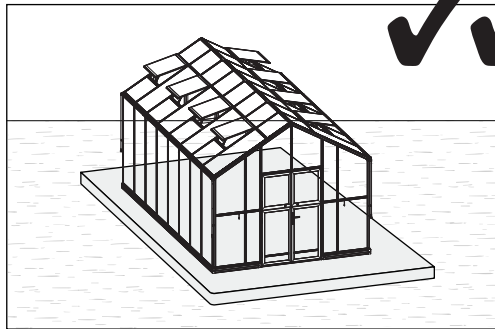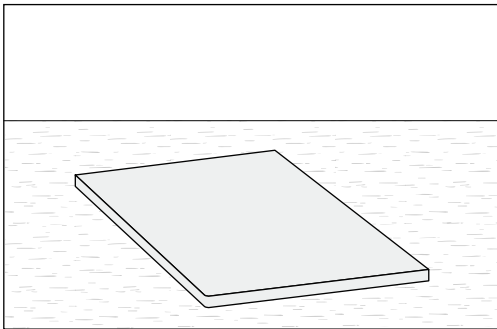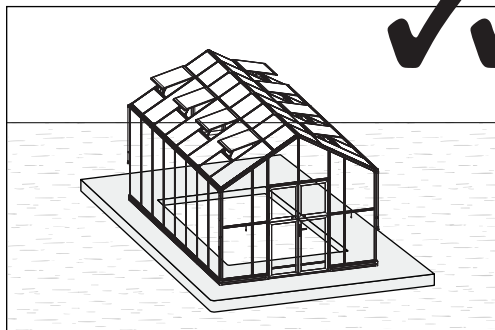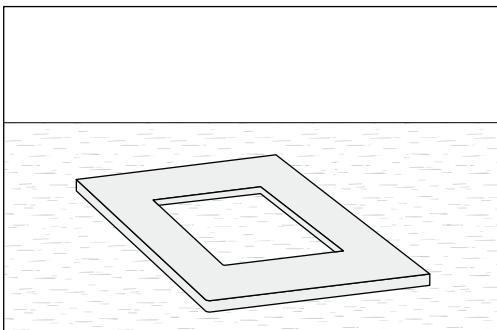
Foundation Assembly

Choose a hard, clean, level surface to position your greenhouse. If the selected area is not level, clear and level it before beginning.
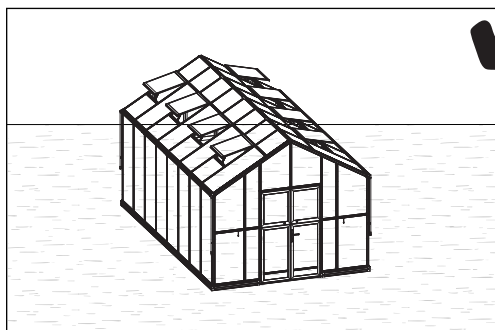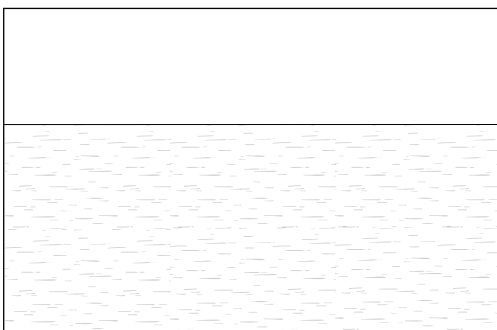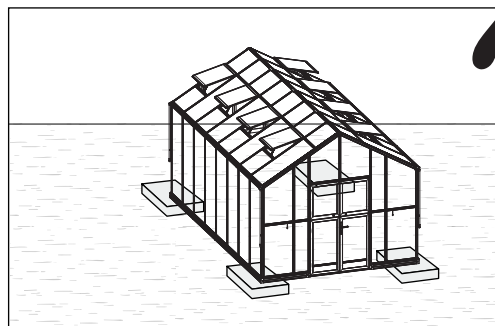
● Option 1: Solid foundation

Preferred

● Option 2: Solid frame
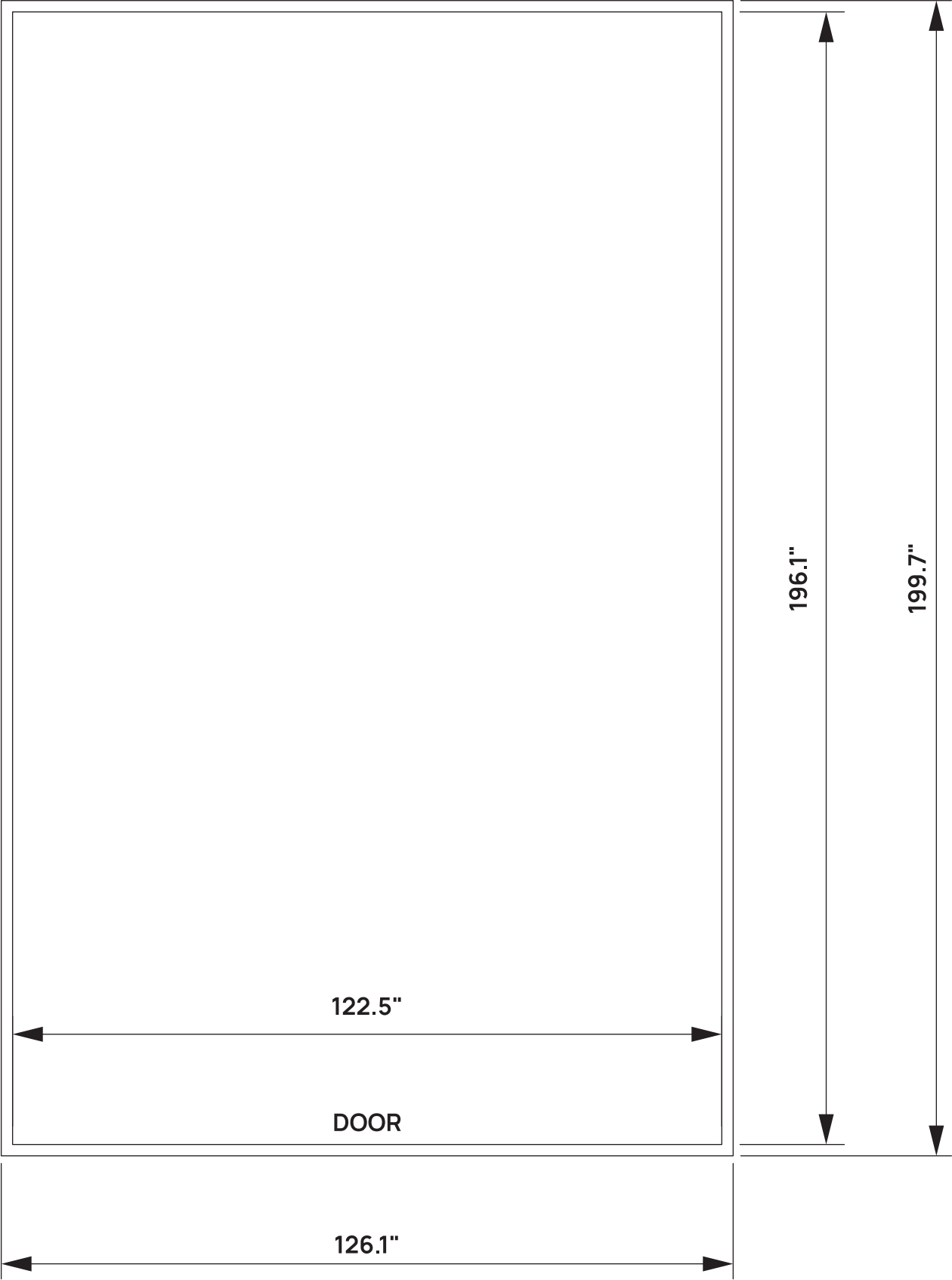

Preferred

● Option 3: Firm ground / grass

Possible

The size of the greenhouse displayed is for illustrative purposes only and may not reflect the size of your greenhouse.


Not possible

Foundation Dimensions

122.5"

DOOR

196.1"

199.7"

126.1"

Lay out the foundation pieces as diagrammed, using the door location as a reference.

BOX	PART	NO	QTY
ALBOX-2	959MM	DJ04	2
ALBOX-2	1290MM	DJ02	1
ALBOX-2	1271MM	DJ01	4
ALBOX-4	1245MM	DJ03	2
ALBOX-2	1284MM	DJ05	2
ALBOX-2	1913MM	DJ06	1
ALBOX-2		D366	4
ALBOX-2		D73	4
ALBOX-2		D74	7
ALBOX-2		S03A M6X10	77
ALBOX-2		M24 M6	52

DJ02   DJ06

DJ01   DJ01
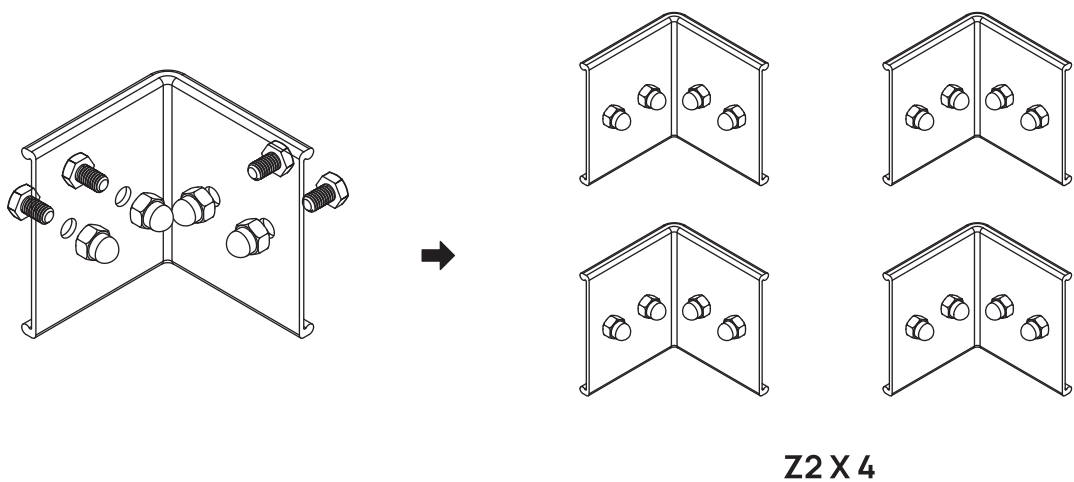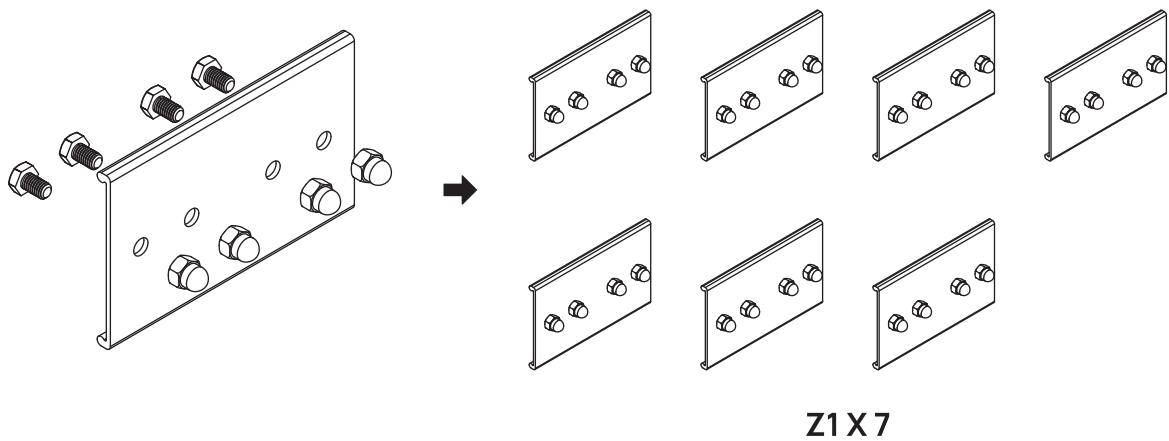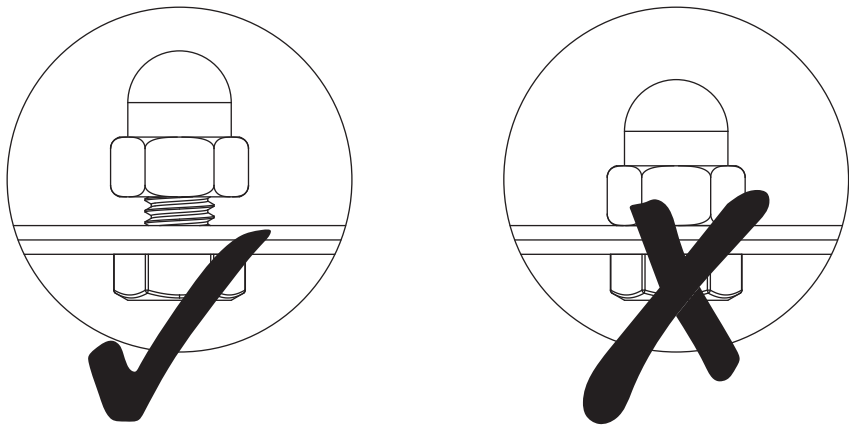
DJ03   DJ03

DJ05   DJ05

DJ01   DJ01

DOOR

DJ04   DJ04
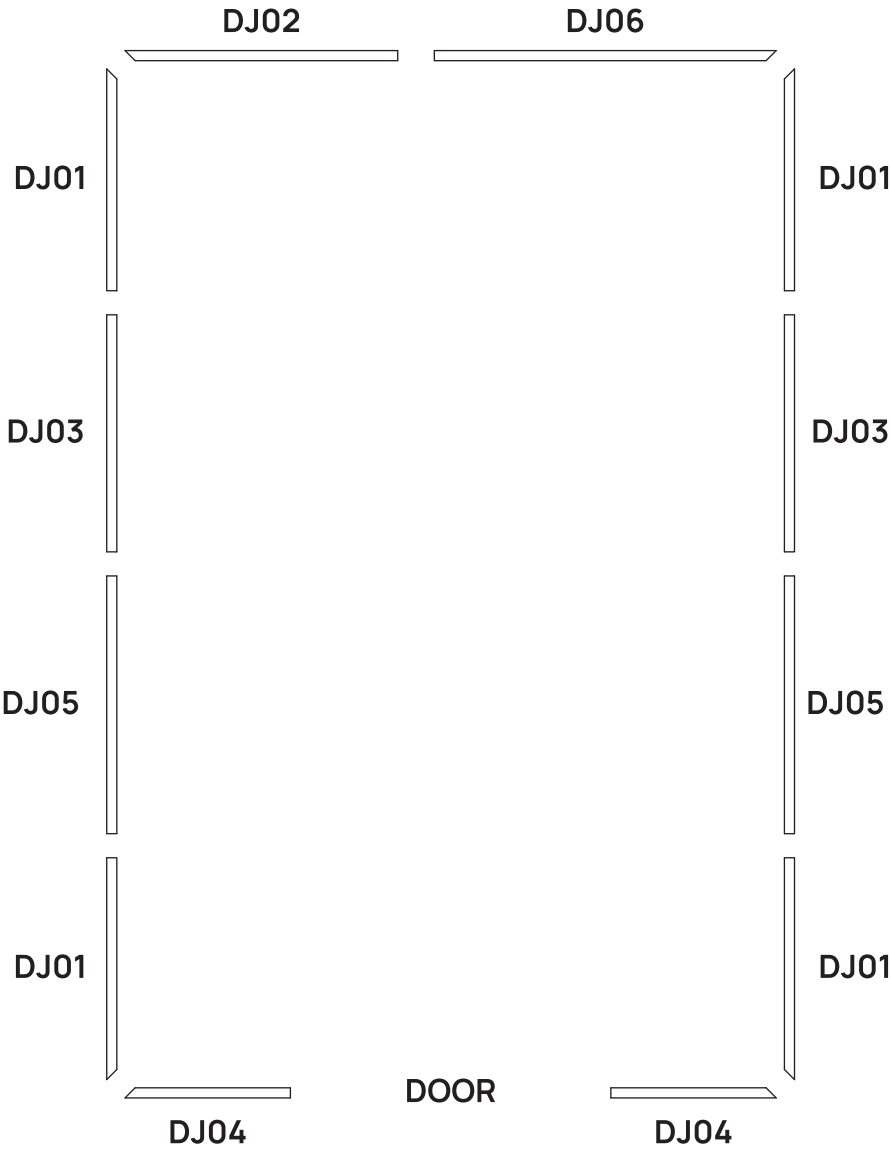
03

Slide the heads of S03A (x33) bolts in the grooves of the frame, on the inside and outside, as shown below. These will hold the outside connectors and anchor brackets.
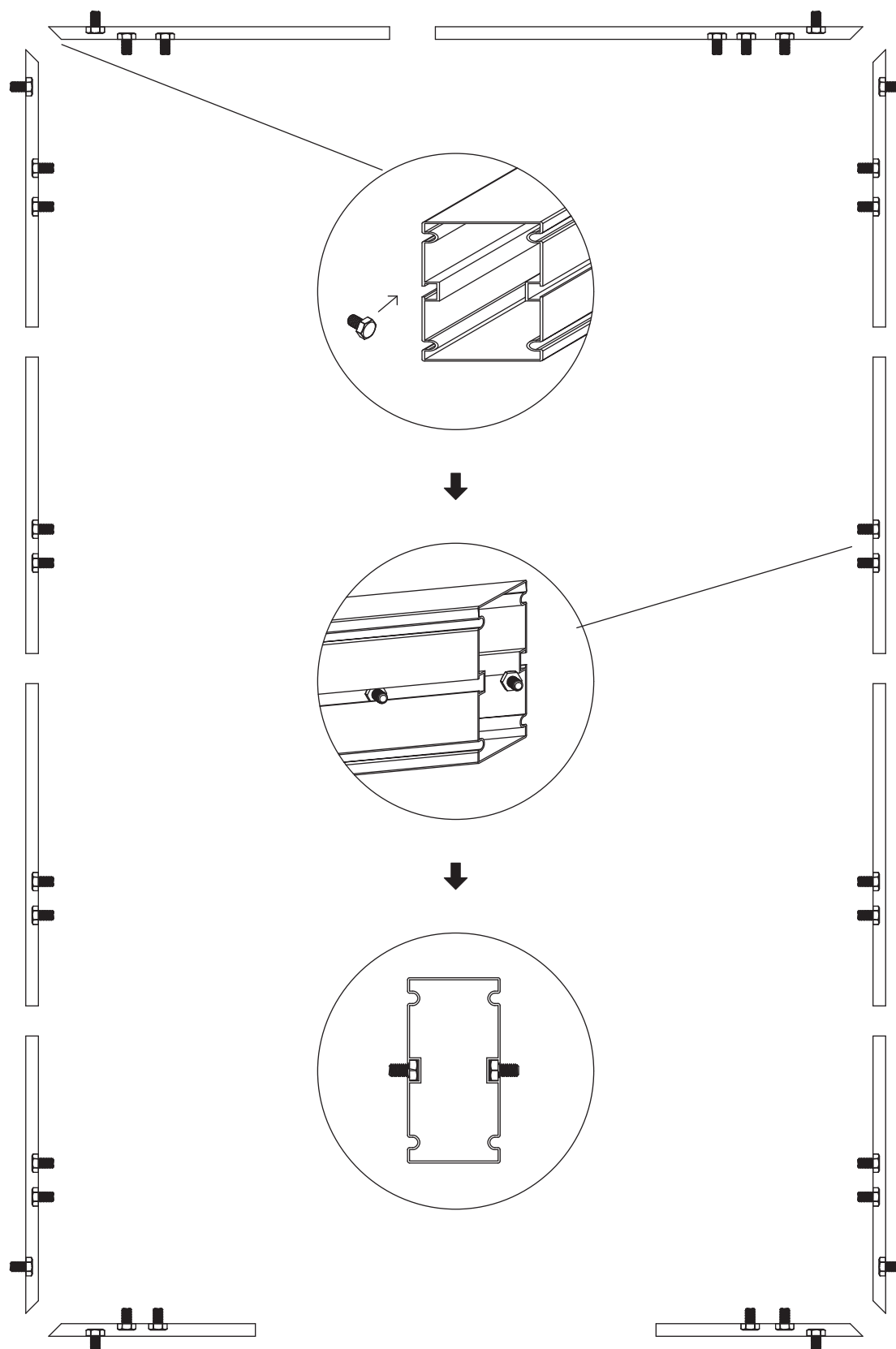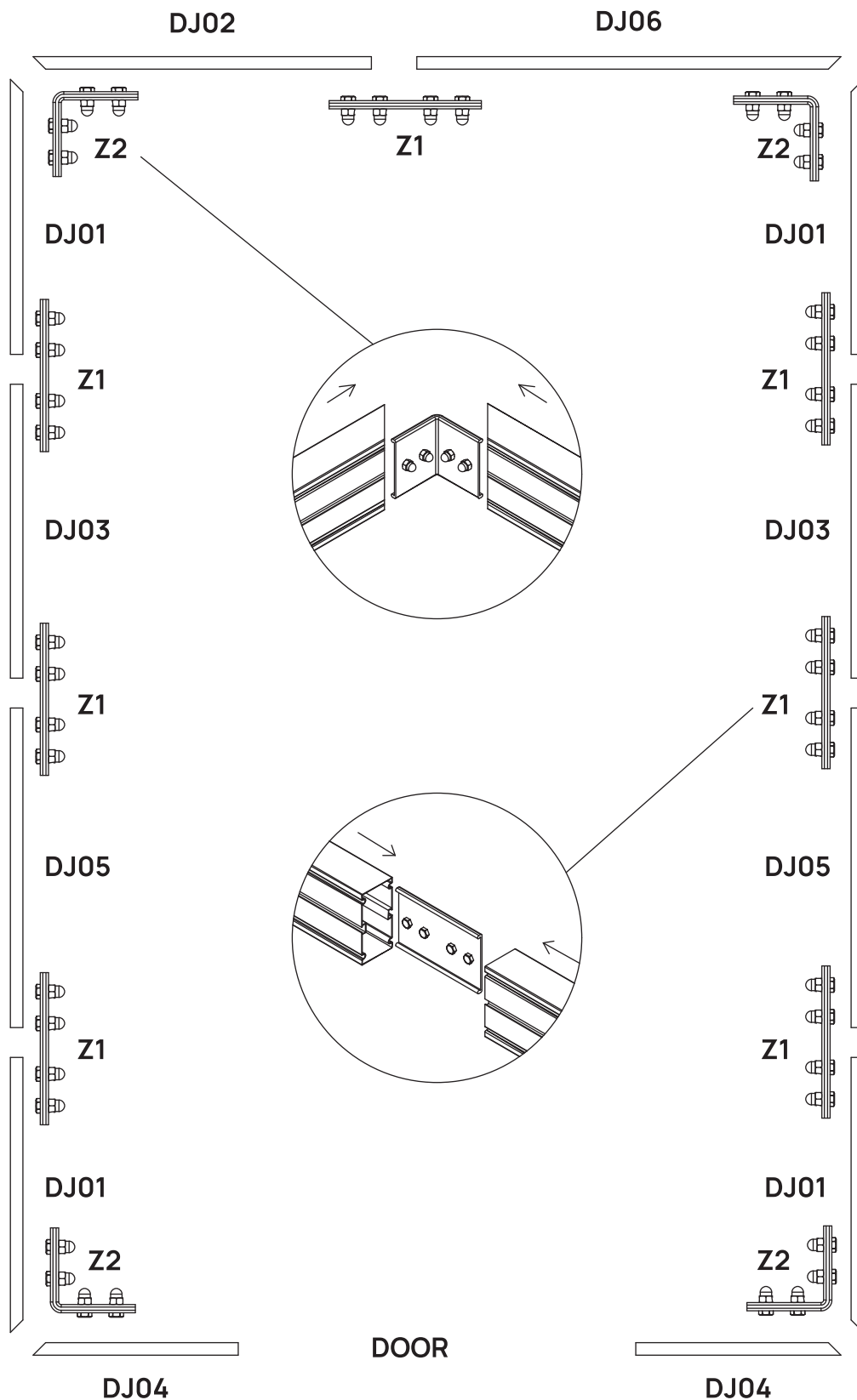
Assemble 7 sets of Z1 and 4 sets of Z2 connection plates by loosely installing the bolts and cap nuts.
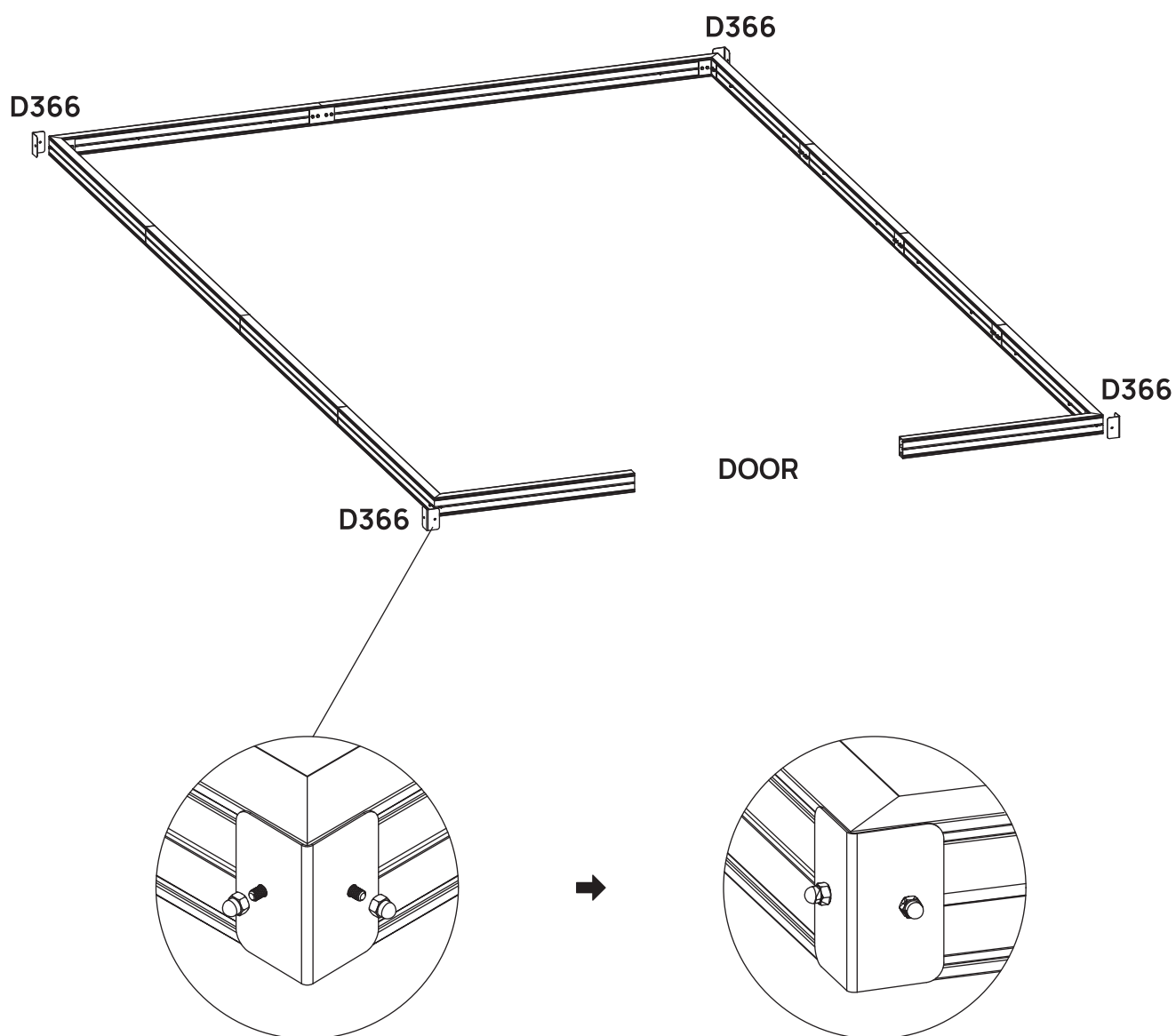
Z1 X 7

Z2 X 4

05

Slide Z1 & Z2 in the grooves of foundation pieces to connect each section and tighten the bolts until the frame is flush and square.


DJ02

DJ06

Z2

Z1

Z2

DJ01

DJ01

Z1

Z1

DJ03

DJ03

Z1

Z1

DJ05

DJ05

Z1

Z1

DJ01

DJ01

Z2

Z2

DOOR

DJ04

DJ04

06

Connect the 4 corners with D366 L brackets using the previously installed S03A bolts. Secure with cap nuts.

D366

D366

D366

D366

DOOR
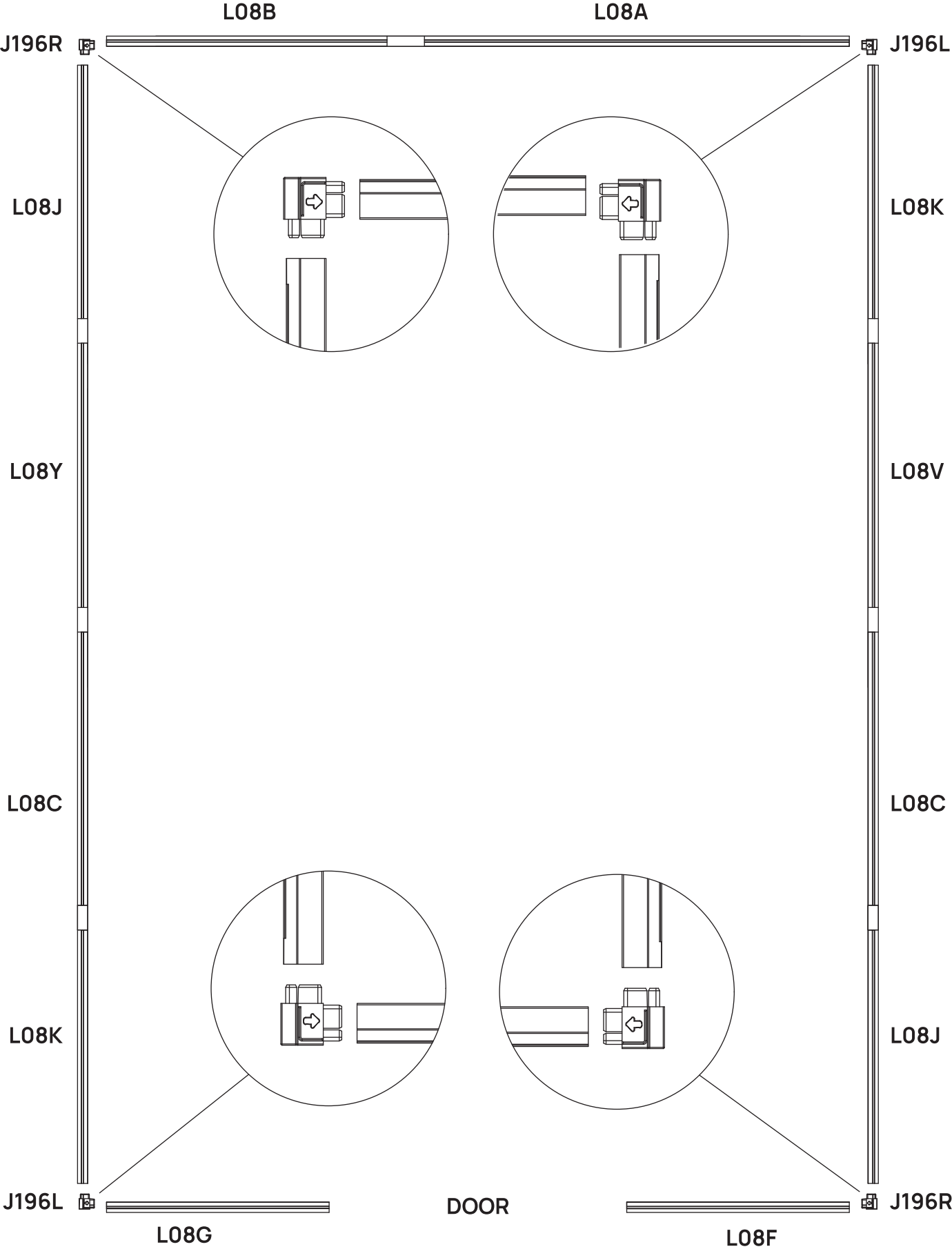
Lay out the base frame pieces as shown in the diagram, noting that there are two types of corner pieces.

BOX	PART	NO	QTY
ALBOX-4		L08B	1
ALBOX-2		L08C	2
ALBOX-2		L08J	2
ALBOX-2		L08K	2
ALBOX-4		L08V	1
ALBOX-4		L08Y	1
ALBOX-2		L08G	1
ALBOX-2		L08F	1
ALBOX-2		L08A	1
ALBOX-2		J196L	2
ALBOX-2		J196R	2
ALBOX-2		D76	25
ALBOX-2		D75	25
ALBOX-2		M24 / M6	25
ALBOX-2		S08A / M8X60	25
ALBOX-2		Z13A / Ø5X40	25
ALBOX-2		H79	25

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15

L08B

L08A

J196R

J196L

L08J

L08K

L08Y

L08V

L08C

L08C

L08K

L08J

J196L

DOOR

J196R

L08G

L08F

16

08

Mark 25 anchor holes on ground per the template below.
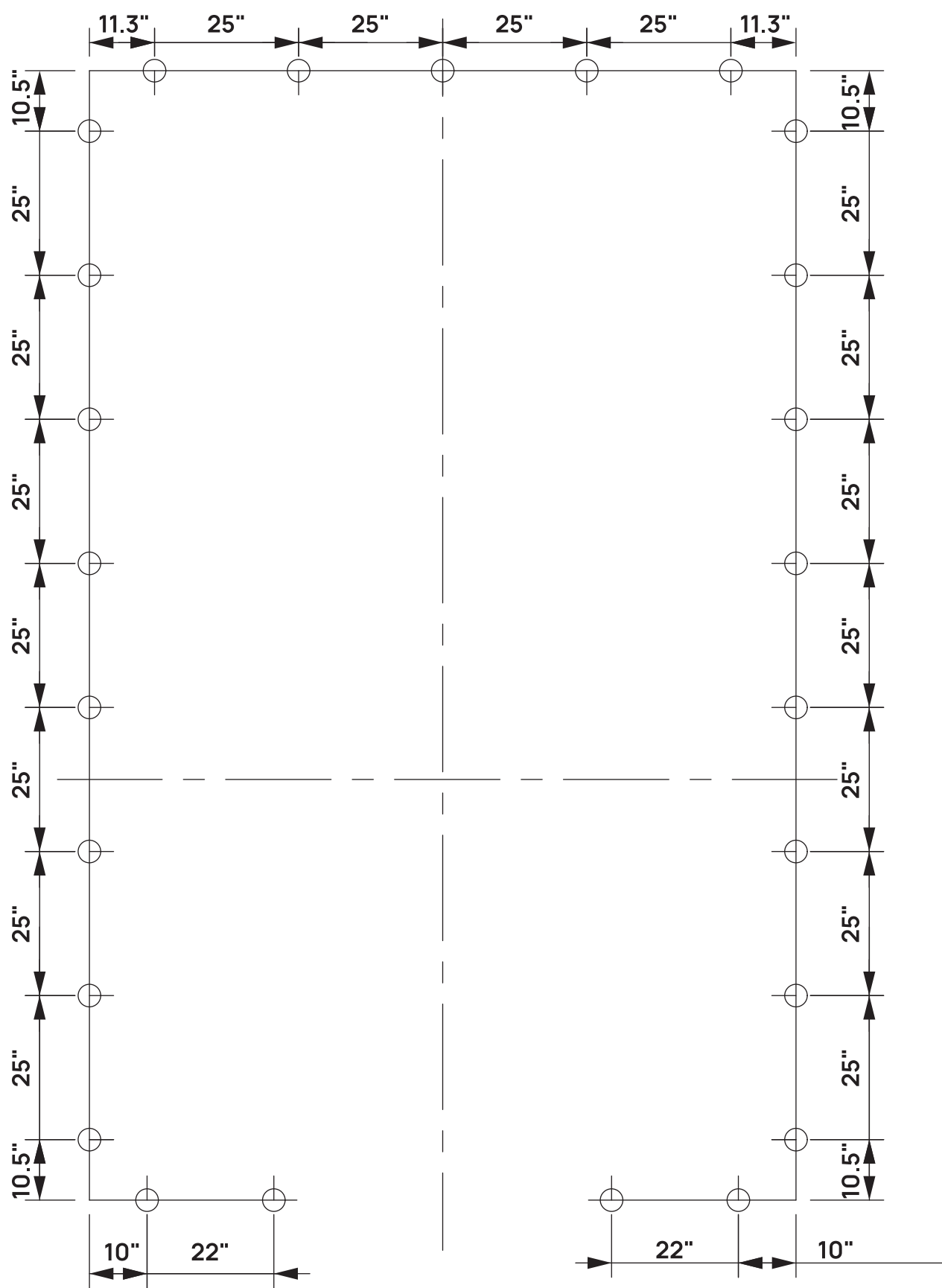
STEP
09

When connecting the base frame to the foundation frame, connect D75 and D76 brackets using the previously installed bolts and secure with cap nuts. Slide the assembled brackets over the marked anchor holes.
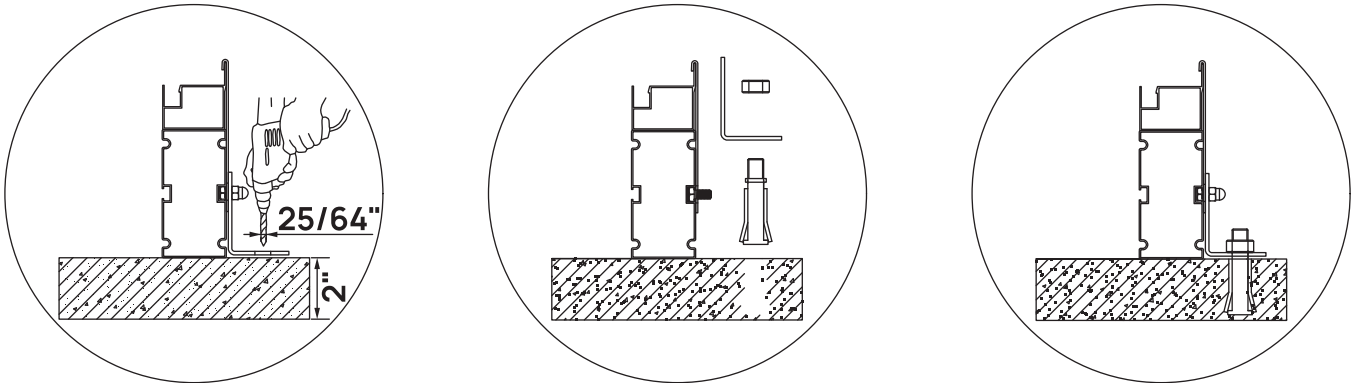
D76

base frame

M24

foundation
frame

D75 S03A
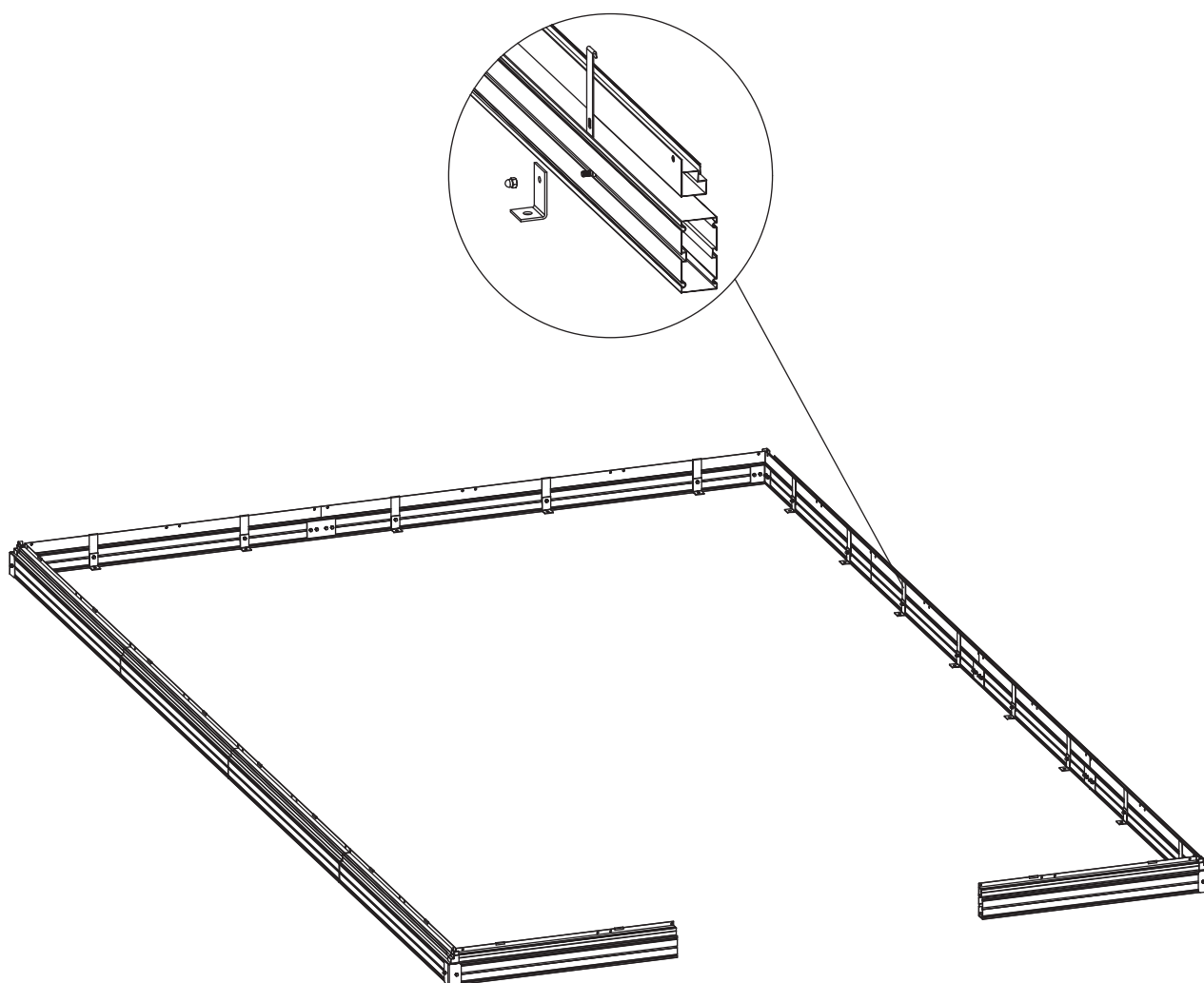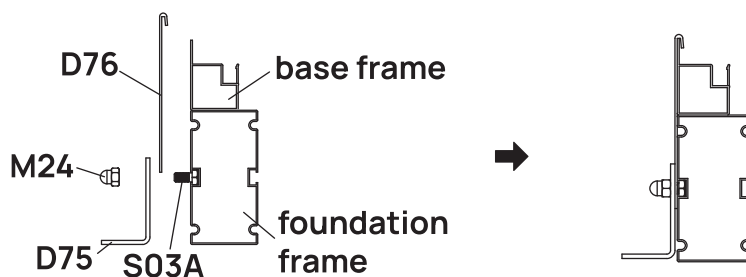
a. For wood surfaces, use Z13A wood screws and H79 washers to affix the base through the D75 bracket.
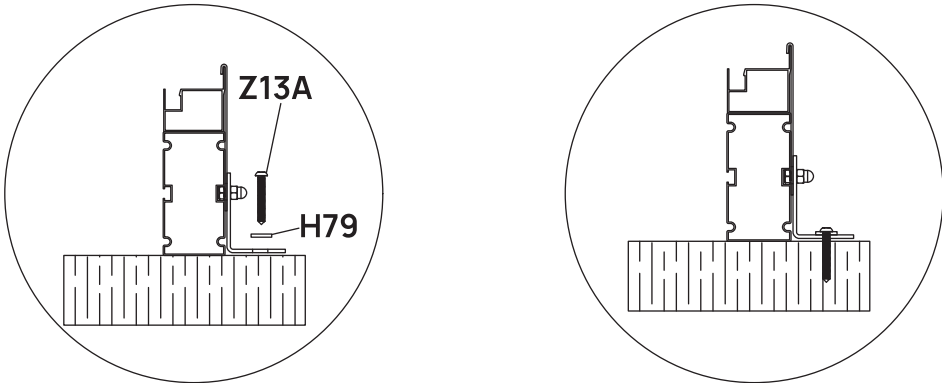
b. For cement surfaces, drill holes at a 2" depth with a hammer drill and 25/64" drill bit. Insert S08 expansion bolts into the holes, and attach D75 bracket using the included nuts.

c. For bare ground installation, purchase heavy duty landscape stakes at least 12" long with a diameter of ≤ 3/8". Drive the stakes through the brackets and into the soil.
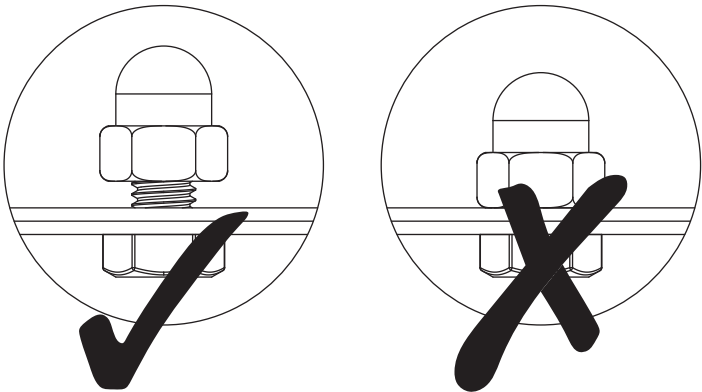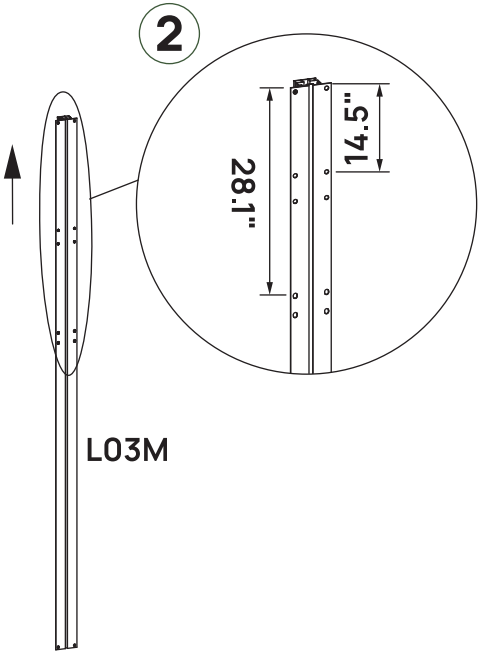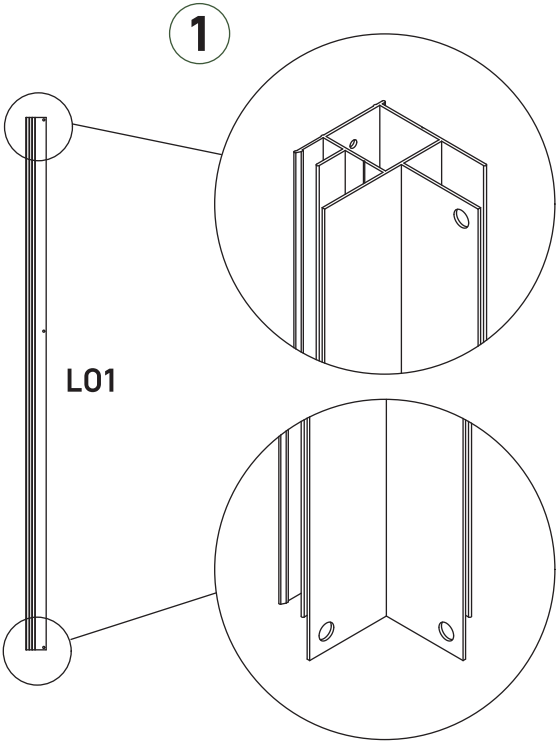
Wall Assembly

STEP 01

Assemble vertical frames as shown. Loosely attach all bolts and nuts. Do not tighten until the entire wall frame is completely assembled.
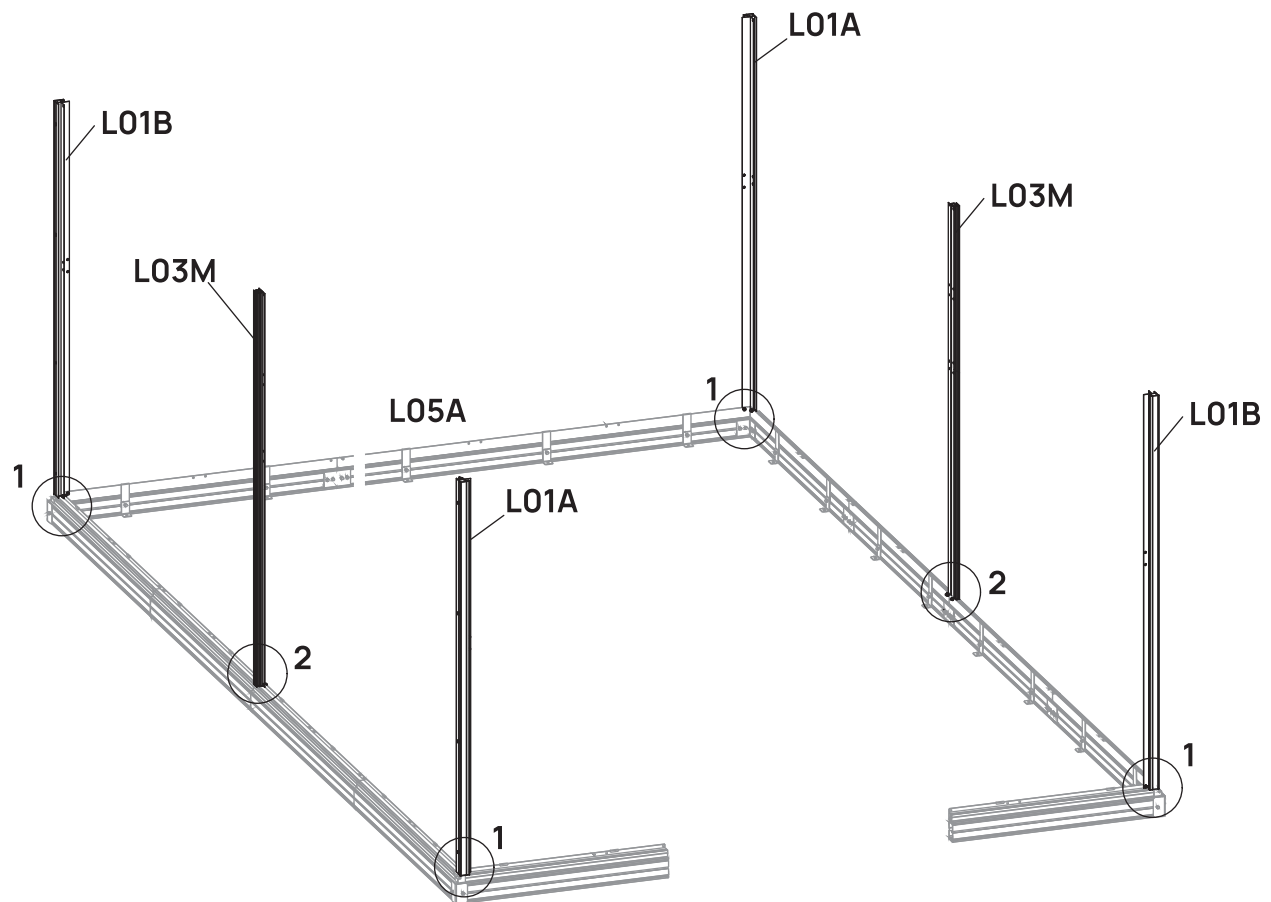
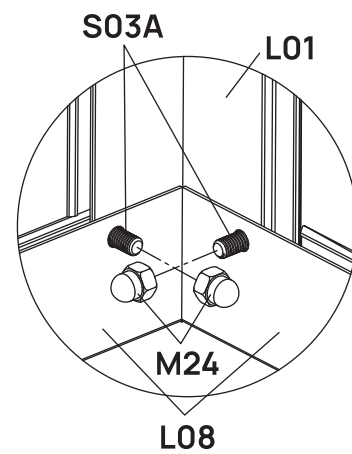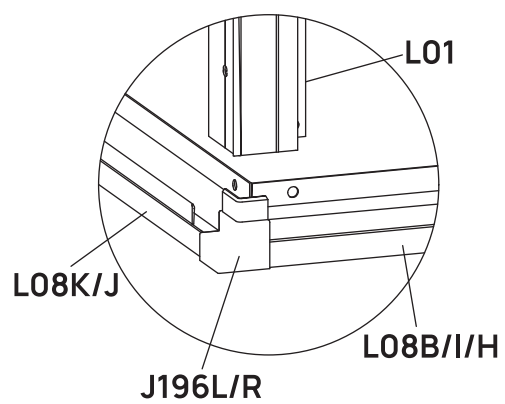| BOX	PART	NO	QTY
ALBOX-3		L01A	2
ALBOX-3		L01B	2
ALBOX-3		L03M	2
ALBOX-2		S03A M6X10	12
ALBOX-2		M24 M6	12

Note:

1. **For L01A/B frames:** the ends with one hole face upward.
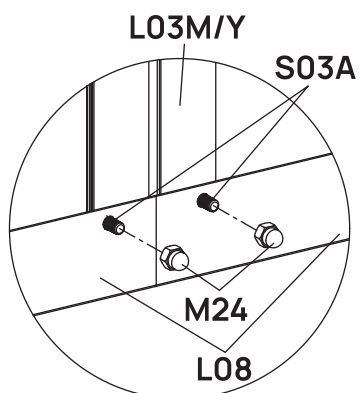2. **For L03M frames:** the ends with 6 holes closest together face upward.

L01

L03M

28.1"

14.5"

L01B

L01A

L03M

L03M

L05A

L01A

L01B

1

1

1

2

2

1

1

1

L01

L08K/J

J196L/R

L08B/I/H

S03A

L01

M24

L08

2

L03M/Y

S03A

M24

L08

02

Assemble the horizontal eave pieces with A138 connectors and S26A bolts as shown.

BOX	PART	NO	QTY
ALBOX-4		L07A	4
ALBOX-4		L07B	4
ALBOX-2		A138	6
Pre-installed		S26A M5X12	24

S26A   S26A   S26A   S26A   S26A   S26A

L07B   A138   L07A   A138   L07A   A138   L07B

L07B   L07A   L07A   L07B

X 2
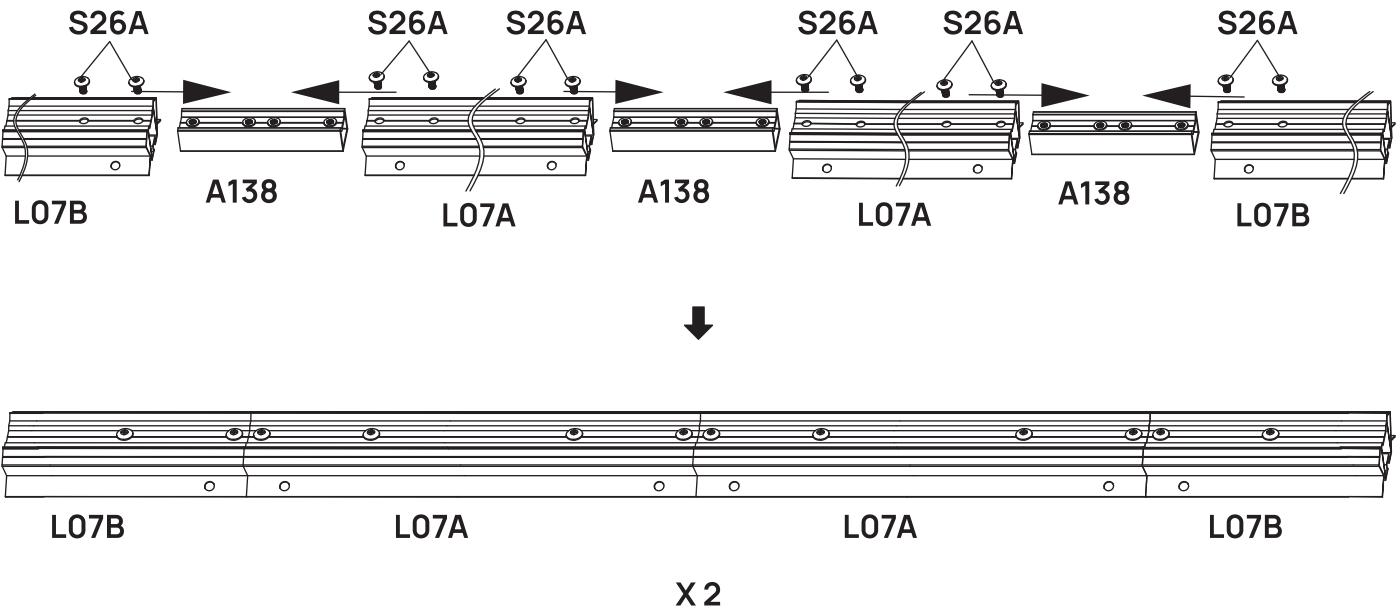
Note:

Before installing L07B, remove the S26A bolts that are pre-installed on A138.

Attach the horizontal eave frames to the vertical frames as shown.

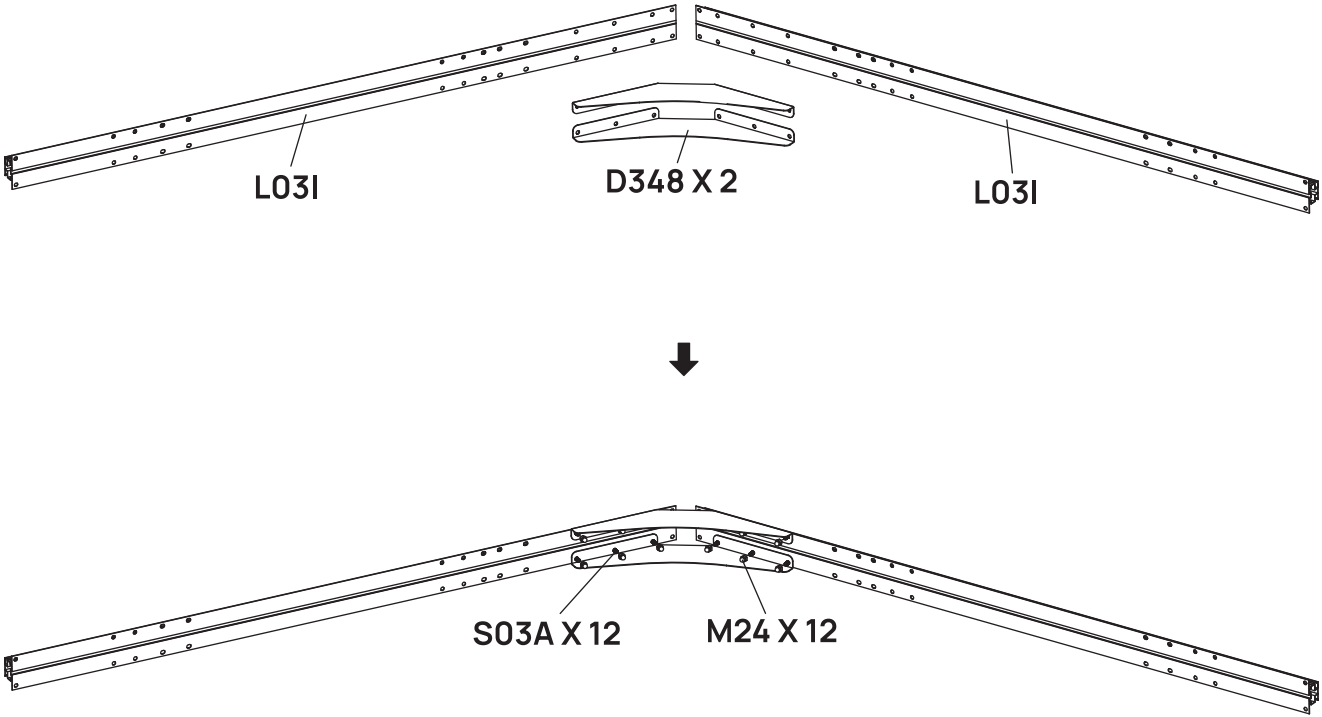| BOX	PART	NO	QTY
ALBOX-2		S03A M6X10	8
ALBOX-2		M24 M6	8

1

L07B

S03A

M24

L01A/B

2

L07A

S03A

M24

L07A

L03M

1

L07B

L07A

2

L07A

L07B

1

L07B

L07A

L07A

2

L07B

1

1

L07B

L07A

2

L07A

L07B

1
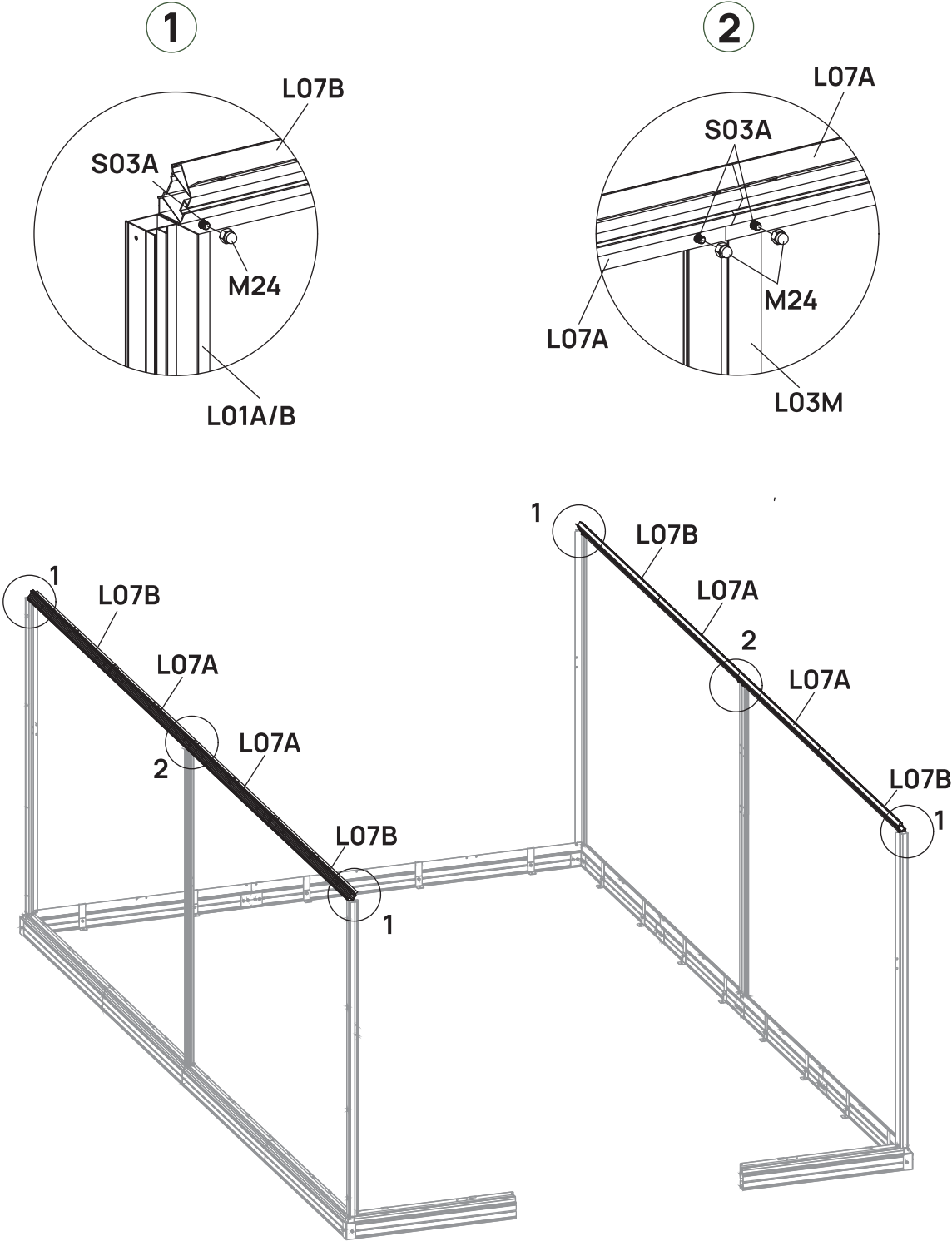
Assemble a roof rafter piece with D348 brackets as shown.

BOX	PART	NO	QTY
ALBOX-3		L03I	2
ALBOX-2		D348	2
ALBOX-2		S03A M6X10	12
ALBOX-2		M24 M6	12

L03I   D348 X 2   L03I

S03A X 12   M24 X 12

05

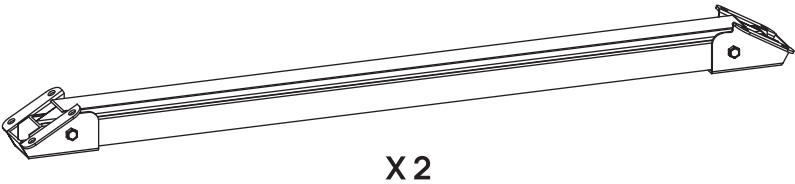Assemble and attach the support bar to the rafter as shown.

BOX	PART	NO	QTY
ALBOX-2		L05G	1
ALBOX-2		D467	2
ALBOX-2		S03A M6X10	8
ALBOX-2		M24 M6	8
Pre-installed		S01A M6X12	4

L05G

D467

D467

S01A X 2

S01A X 2

S03A X 4

M24 X 4
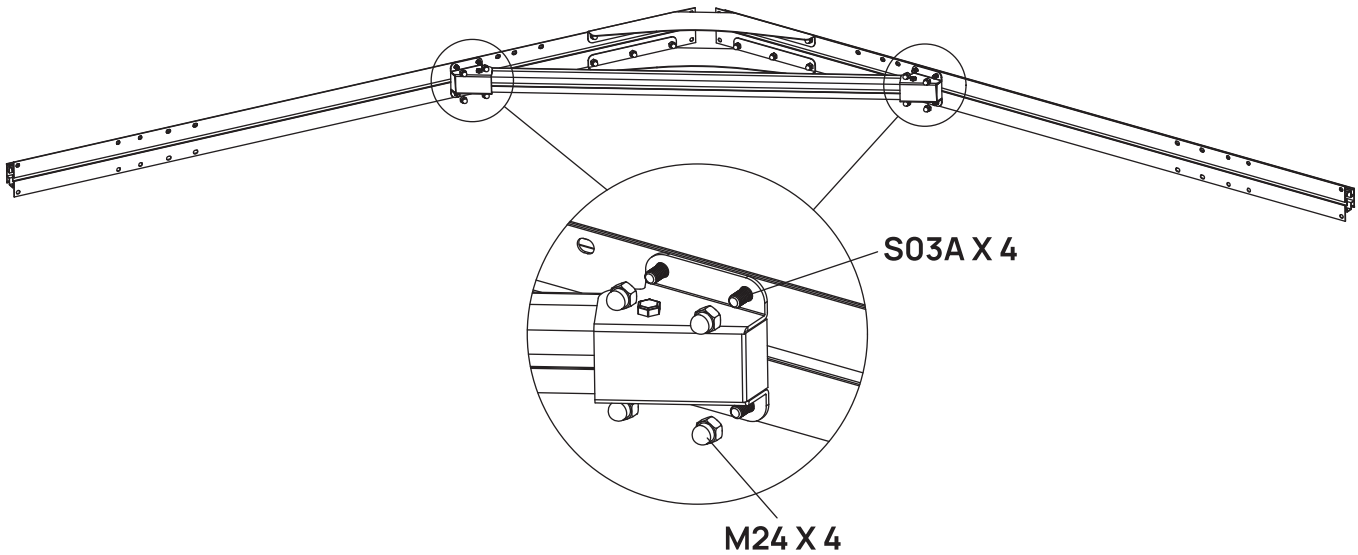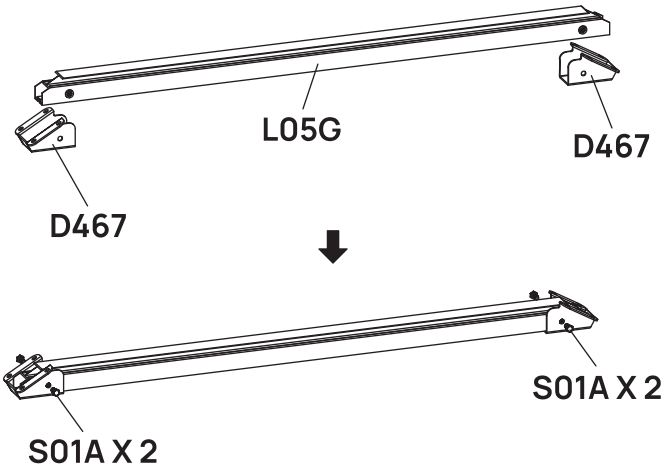
Assemble 2 sets of support braces as shown.

BOX	PART	NO	QTY
ALBOX-1		L05E	2
ALBOX-2		D467	4
Pre-installed		S01A M6X12	8

L05E

D467

D467

S01A X 2

S01A X 2

X 2
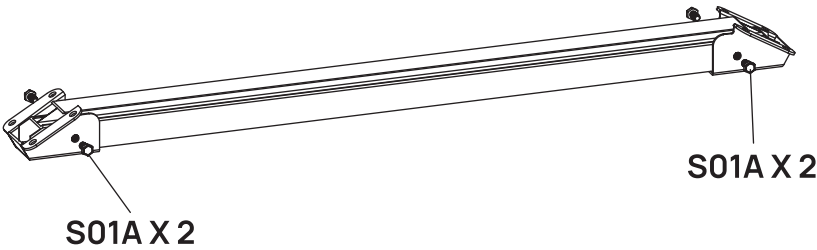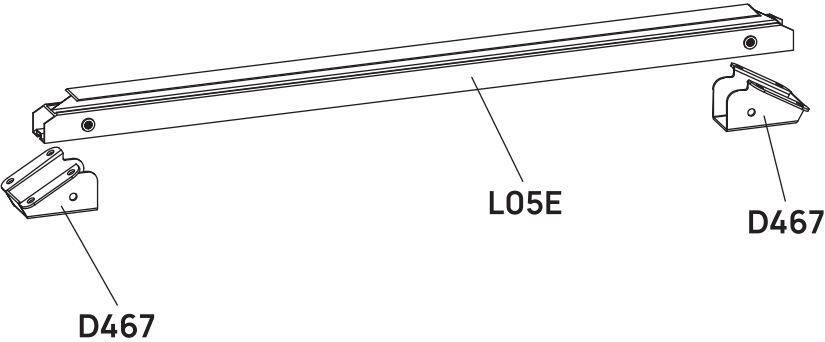
07

Attach the roof rafter and support braces to the vertical frames as shown.

BOX	PART	NO	QTY
ALBOX-2		S03A	20
		M6X10	
ALBOX-2		M24	20
		M6	

1

S03A x 2   L03I

L07A/B

M24 x 2

2

S03A x 4   L03I

M24 x 4

L03M   L05E

S03A x 4

M24 x 4

L03I

1

L05E

L05E   2

1

2
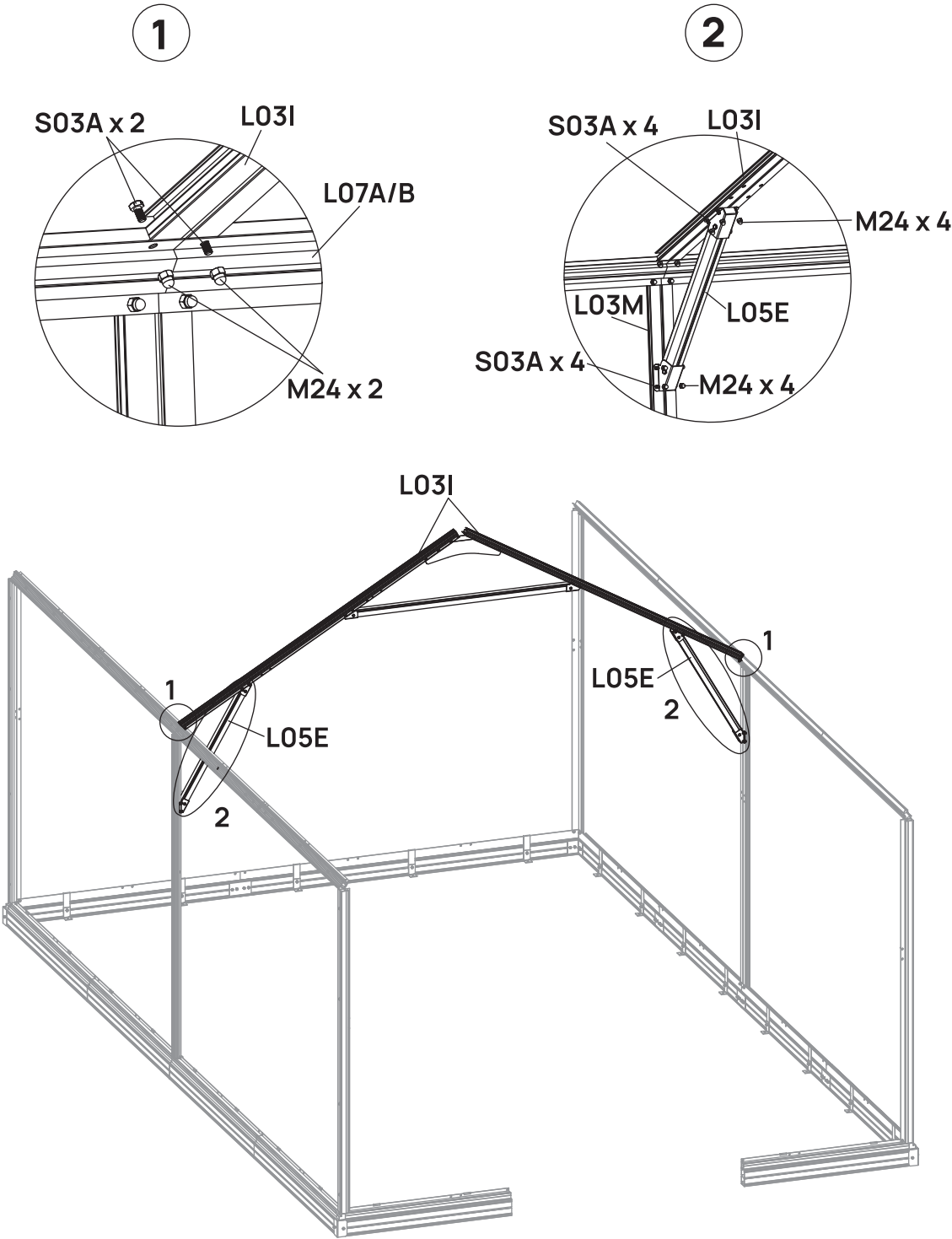
Align the L14A threshold piece with the base frame as shown in the diagram. Make a mark through each of the three holes.
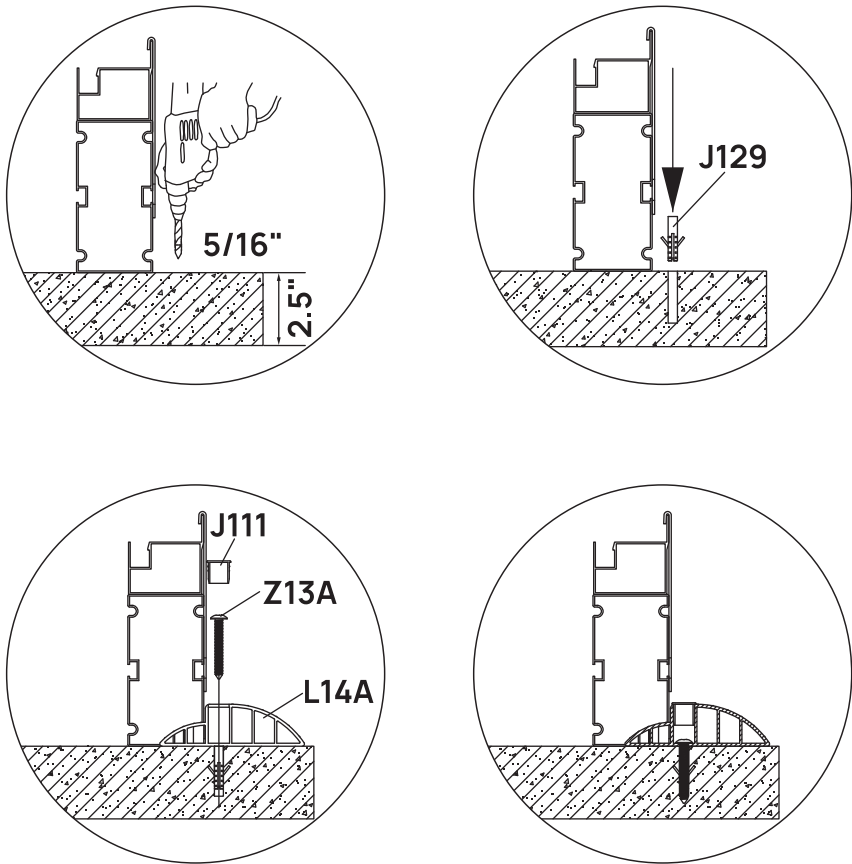
BOX	PART	NO	QTY
ALBOX-2		L14A	1
ALBOX-2		J111	2
ALBOX-2		J129	3
ALBOX-2		Z13A Ø5x40	3
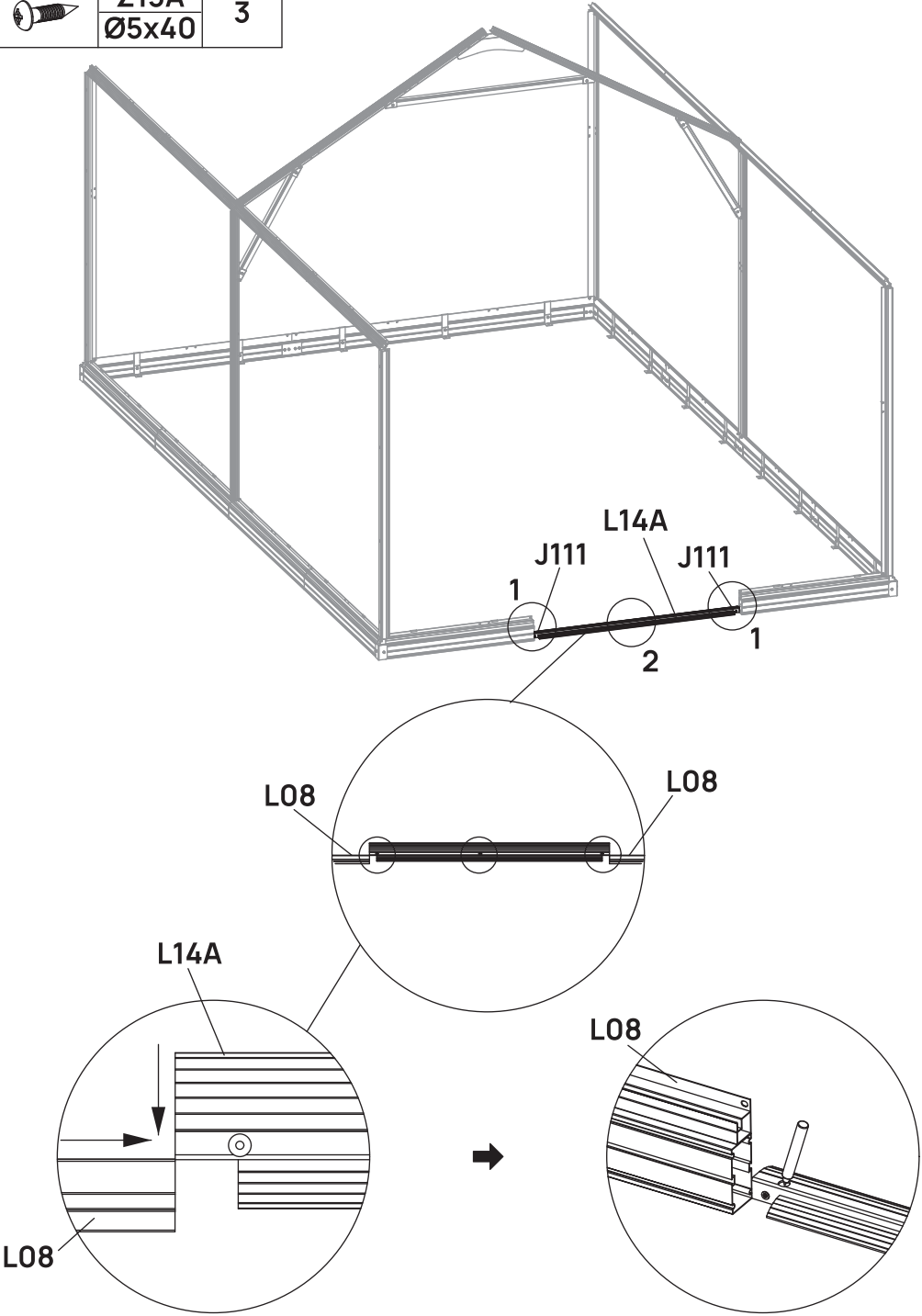
a. For wood surfaces, use Z13A screws to affix the threshold directly to the ground.
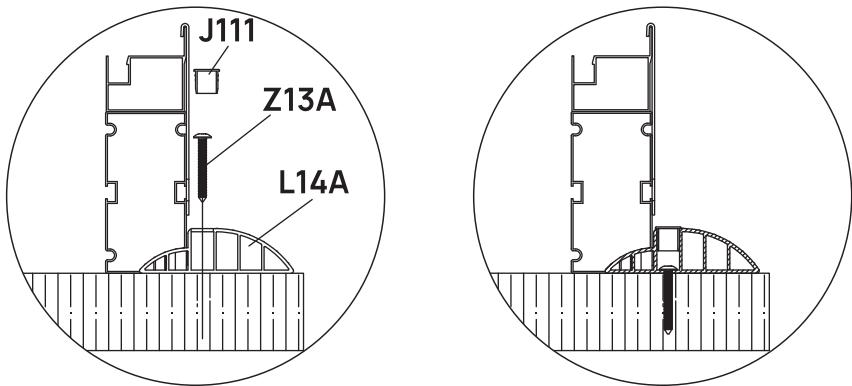
J111
Z13A
L14A

b. For cement surfaces, remove the threshold piece, drill pilot holes at 2.5" depth with a 5/16" drill bit, insert J129 expansion anchors into the holes, then use 13A screws to affix threshold back to the ground.
Finally use J111 caps to seal the holes.

5/16"
2.5"
J129

J111
Z13A
L14A

Note: The middle hole is not equipped with J111.

09

Assemble L03 door frame pieces as shown, using D470 connectors and Z17A screws. Use only one Z17A screw on the inner side of L03G and L03F as shown.

BOX	PART	NO	QTY
ALBOX-2		L03G	1
ALBOX-2		L03F	1
ALBOX-1		L03L	1
ALBOX-1		L03N	1
ALBOX-2		D470	2
ALBOX-2		Z17A M4.8X16	14

Z17A X 3   Z17A X 4

L03G/F   D470   L03L/N

L03N

L03L

L03G

L03F
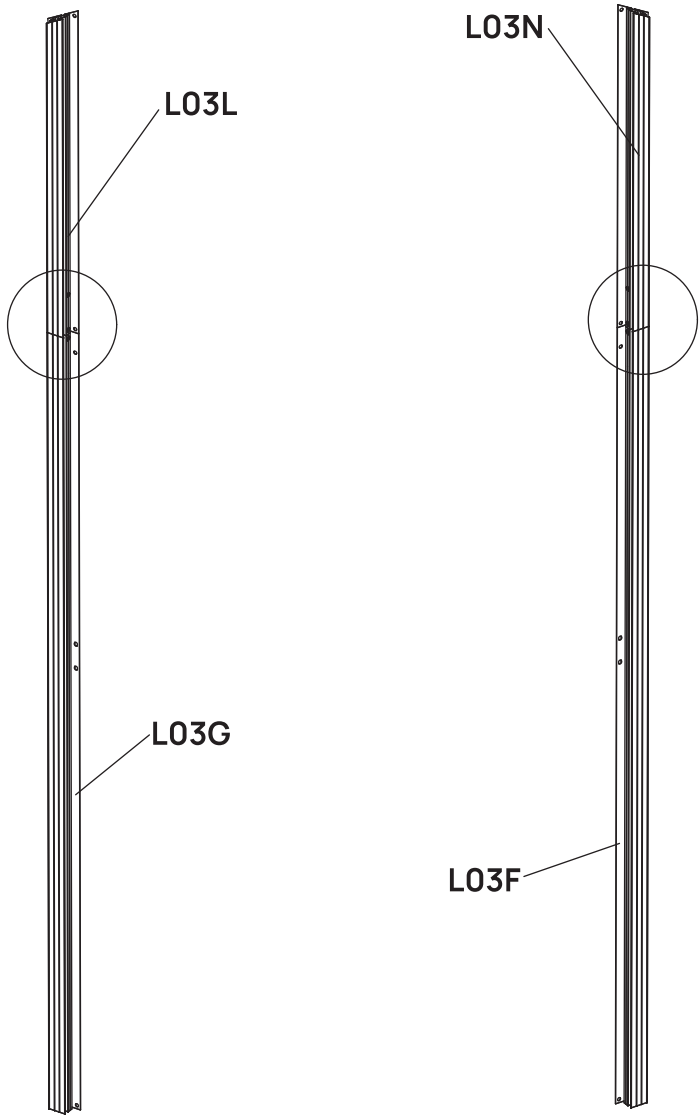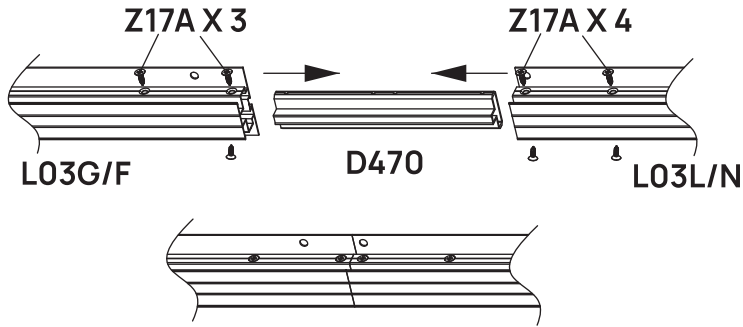
10

Assemble L03R/H and L03E/H frame pieces as shown, using D470 connectors and Z17A screws.

BOX	PART	NO	QTY
ALBOX-3		L03H	2
ALBOX-1		L03R	1
ALBOX-1		L03E	1
ALBOX-2		D470	2
ALBOX-2		Z17A M4.8X16	16

Z17A X 4   Z17A X 4

L03H   D470   L03R/E

L03R

L03E

L03H

L03H
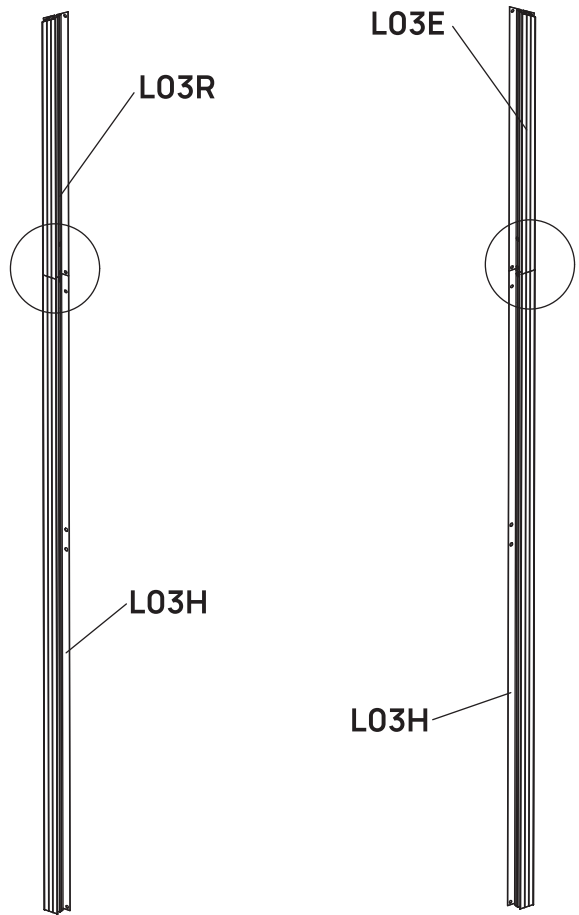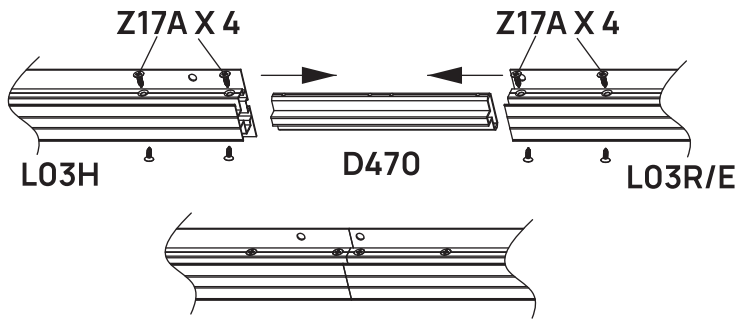
STEP
11

For PC panels

Remove the clear film prior to assembly. The white film indicates the UV-Protected side of the panels. Peel back the white film to expose only the edges (until the panels are in place) to ensure that the UV-Protected side is facing outwards in final assembly.

POLYCARBONATE PANEL

White Film

PC Panel

SUN

Transparent Film

Cover the two cut edges of the PC panels with the provided tape before installation to seal the channels & prevent moisture from getting trapped inside.

H158/H159

Cut edge of the polycarbonate panel
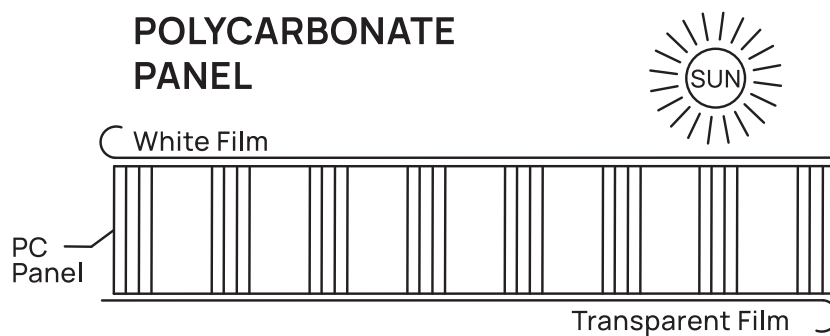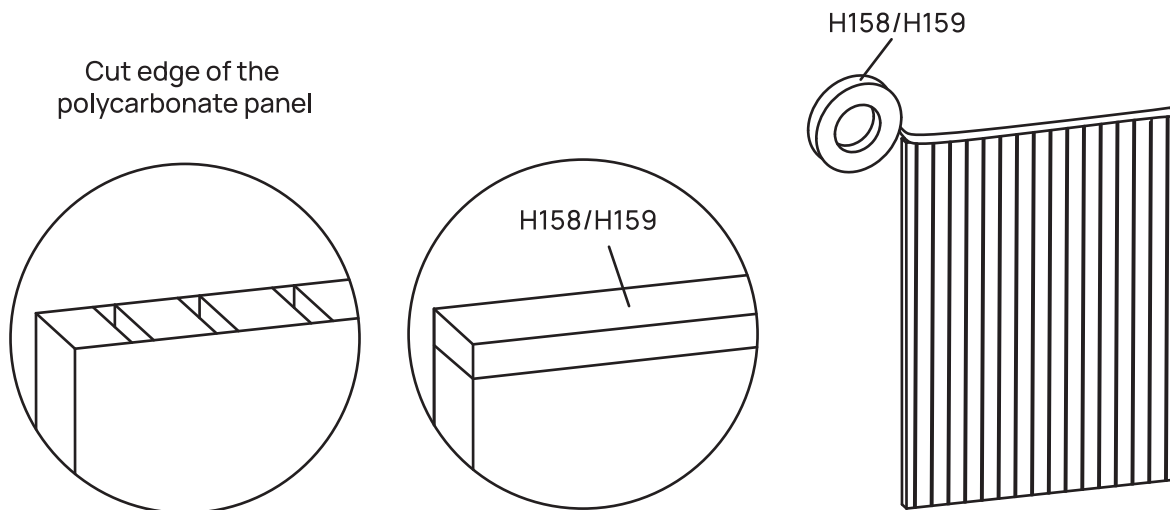
H158/H159

For Glass panels

- H158/H159 Tape is not required.

- Handle with care to avoid breakage.

- Watch out for sharp corners and edges.

- Use glass suction cups (not provided) for safe handling.

- Do not apply excessive force or strike the glass during installation.

Insert Y3 panel into the groove of L01A and into the base frame. Then install the L03R/H piece and L04E connecting frame as shown.

BOX	PART	NO	QTY
ALBOX-1		L04E	1
PCBOX-2		Y3	1
GLBOX-1			
PCBOX-1		H158	1
GLBOX-1		H159	

The ends of L04E with screws face to L03R/H piece.
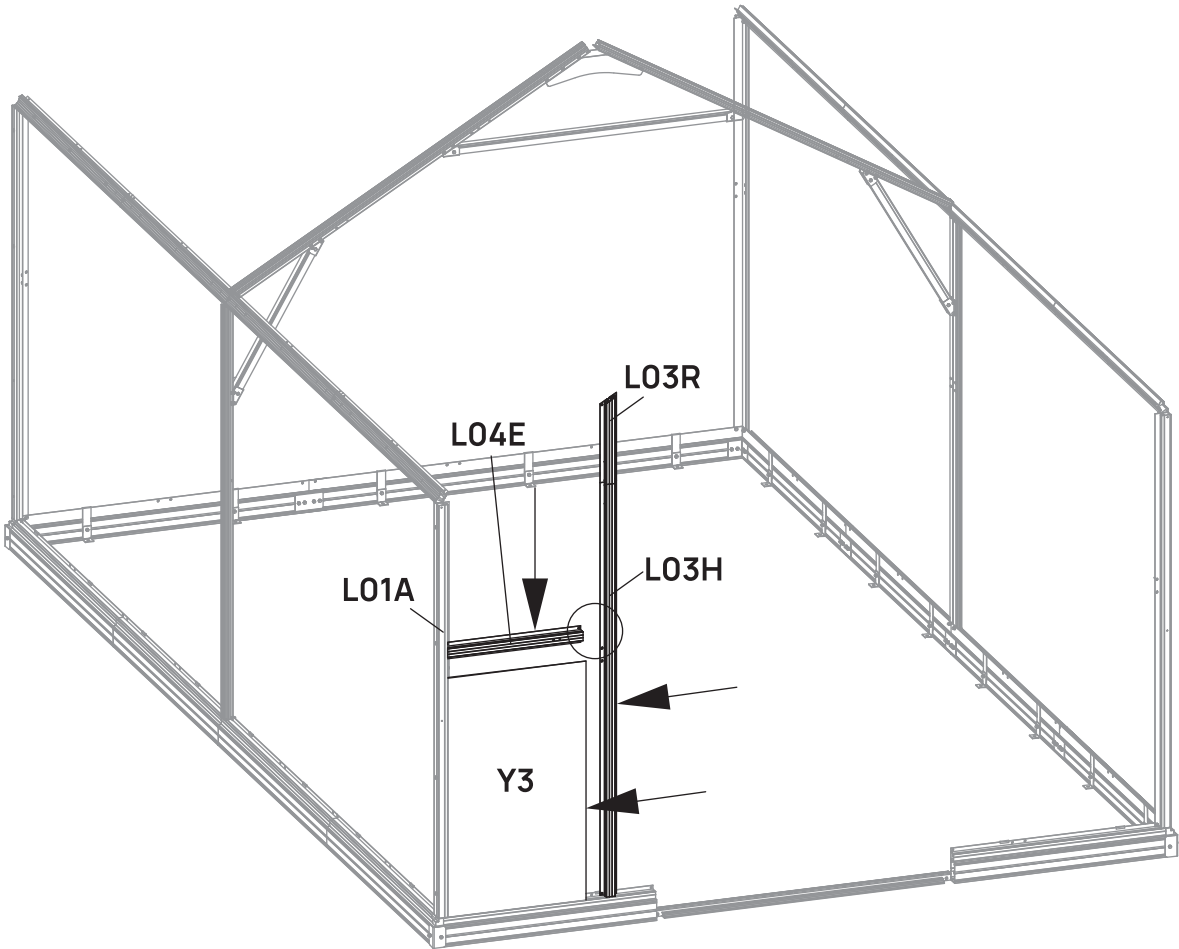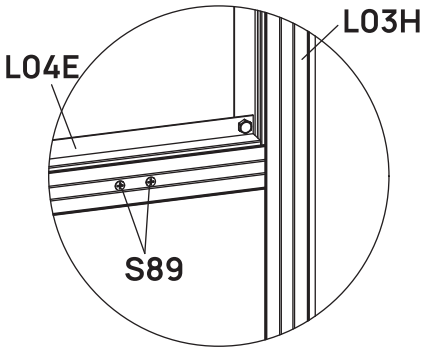
Insert Y10 panel into the groove of L03R/H piece and into the base frame as shown, then install the L03L/G piece.

BOX	PART	NO	QTY
PCBOX-2		Y10	1
GLBOX-1			
ALBOX-2		S03A	6
		M6X10	
ALBOX-2		M24	6
		M6	
PCBOX-1		H158	1
GLBOX-1		H159	

L03L

L03G

1

2

Y10

3

1

S03A

M24

L04A

2

S03A

M24

L03H

L04E

3

L03H

S03A

M24

L08G

34
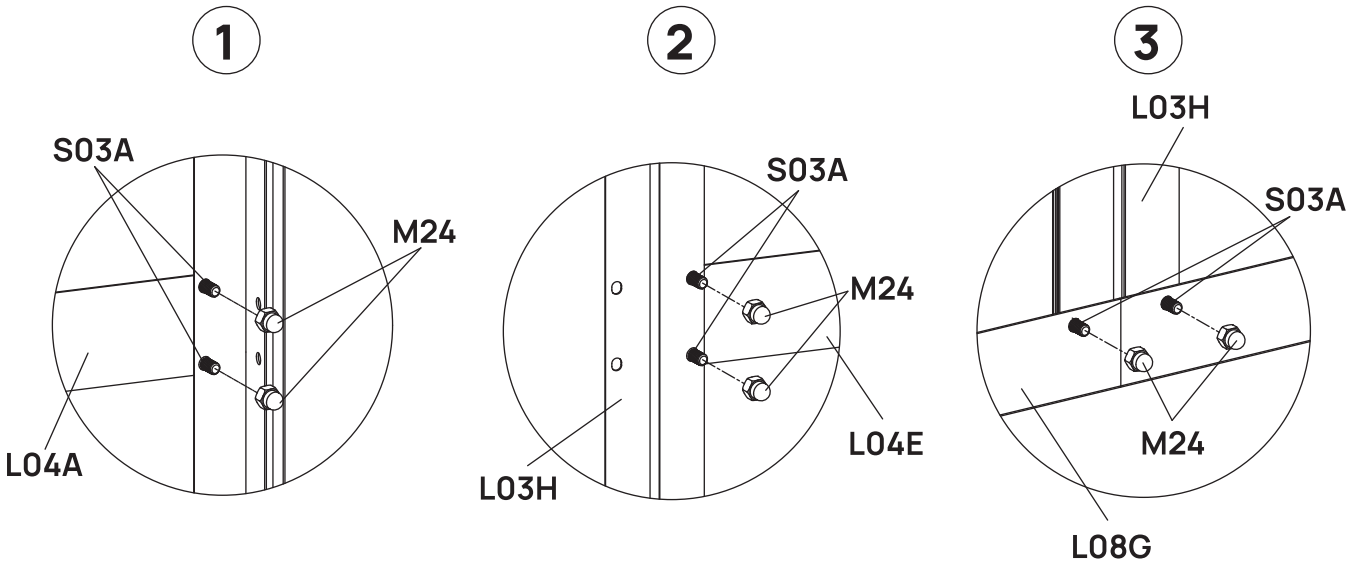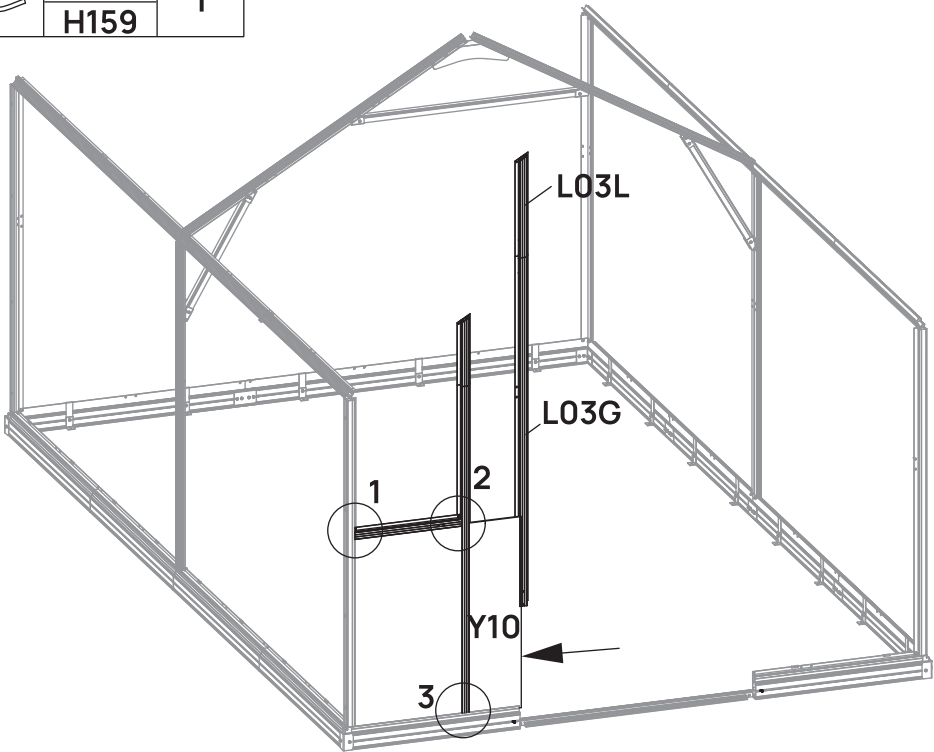
Note: For easier installation, use the provided hex tool.
Position the head of S03A bolt in the tool, then use it to insert the bolt into the frames and secure with M24 nut.
Repeat this process for all hard-to-access locations.
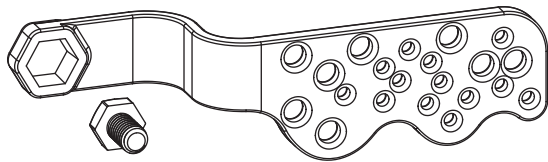
S03A
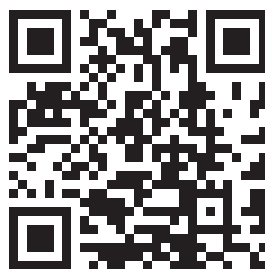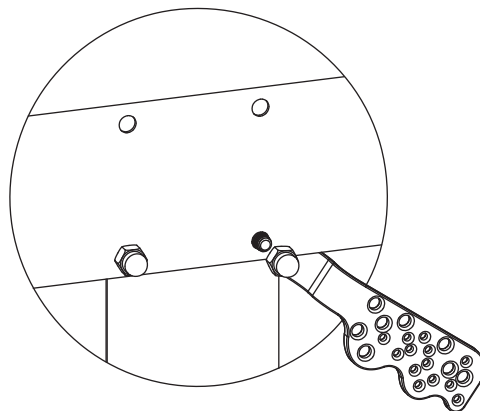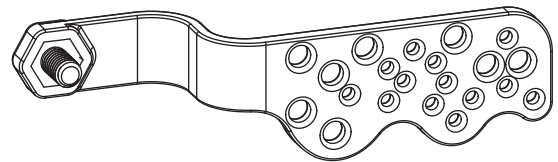
Assemble L04D connecting frame and secure L03L/G piece in place as shown.

BOX	PART	NO	QTY
ALBOX-1		L04D	1
ALBOX-2		D469	1
ALBOX-2		S03A / M6X10	6
ALBOX-2		M24 / M6	6
Pre-installed		S26A / M5X12	1
ALBOX-2		S99 / M5X45	1
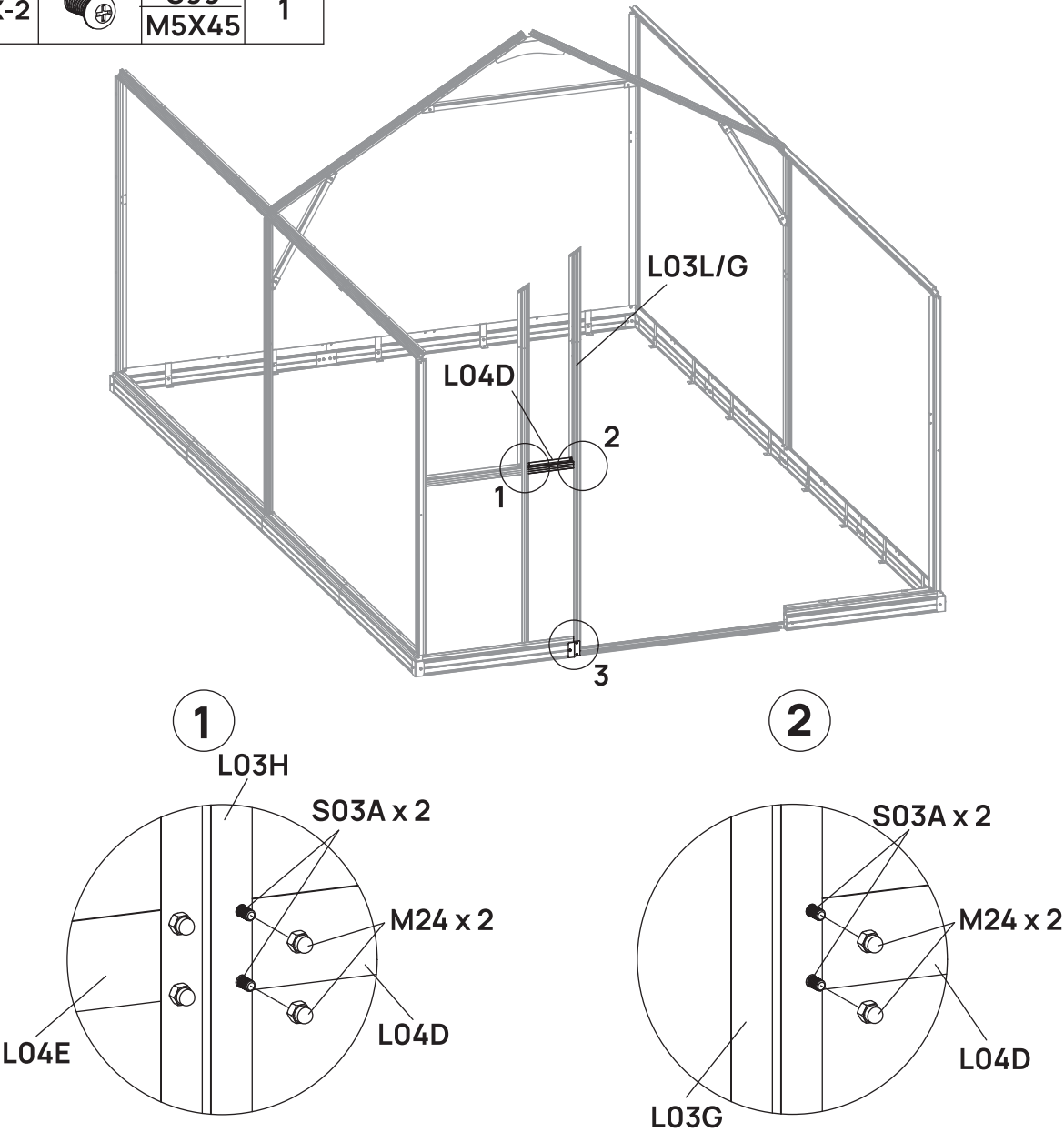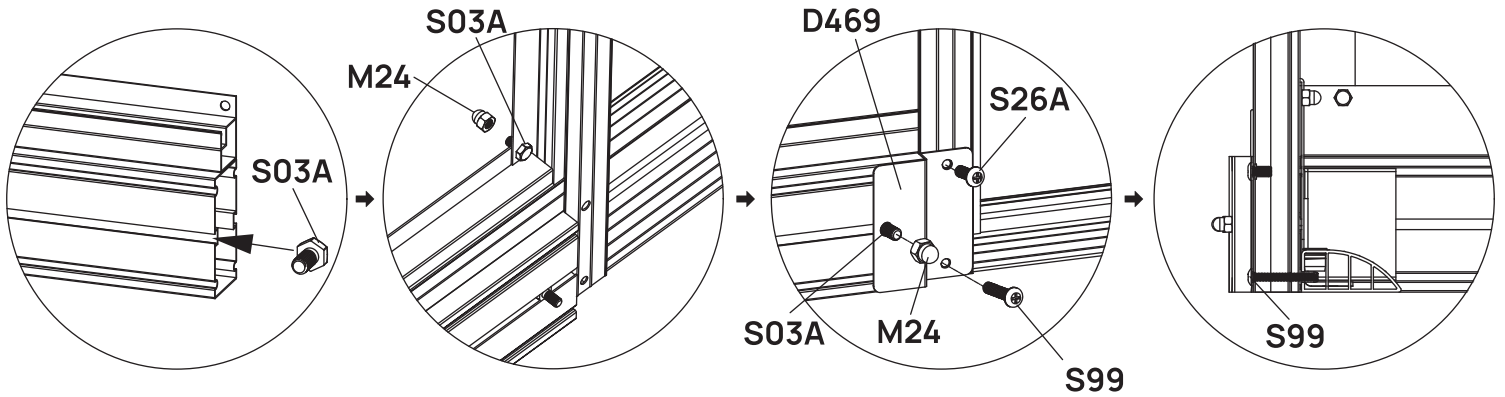
L03L/G

L04D

1

2

3

1

L03H

S03A x 2

M24 x 2

L04D

L04E

2

S03A x 2

M24 x 2

L04D

L03G

S03A

M24

S03A

D469

S26A

S03A **M24**

S99

S99

Slide one S03A in the groove of the foundation piece in the front as shown. Attach the L03 door frame to the base and foundation, secure it with the mounting plate D469, using different bolts as shown.

Note: S26A is pre-installed.
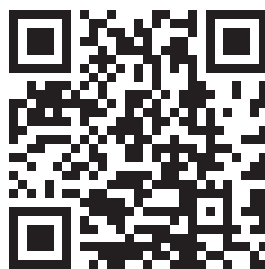
vegogarden.com

15

Assemble the frames and panels on the other side in the same way as shown.

BOX	PART	NO	QTY
ALBOX-1		L04D	1
ALBOX-1		L04E	1
PCBOX-2 GLBOX-1		Y3	1
PCBOX-2 GLBOX-1		Y10	1
ALBOX-2		D469	1
ALBOX-2		S03A M6X10	12
ALBOX-2		M24 M6	12
Pre-installed		S26A M5X12	1
ALBOX-2		S99 M5X45	1
PCBOX-1 GLBOX-1		H158 H159	1

Note: The ends of L04E with screws face to L03E/H piece.
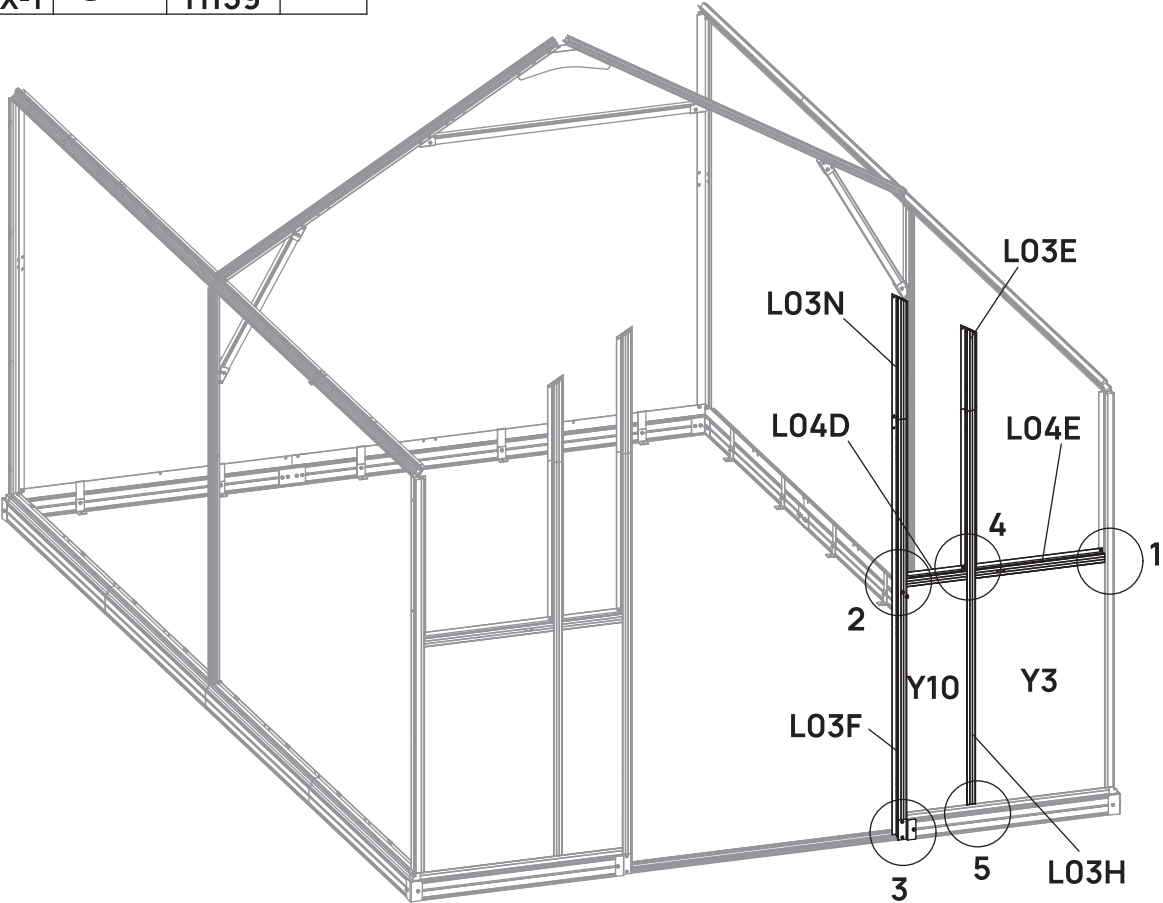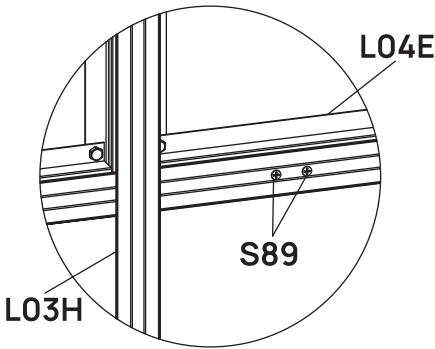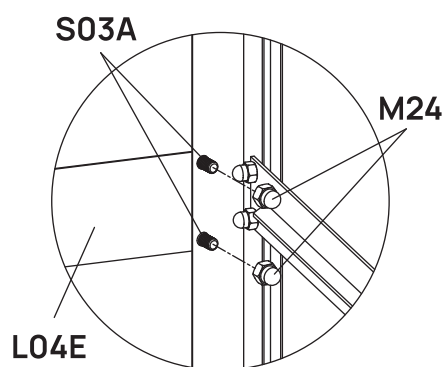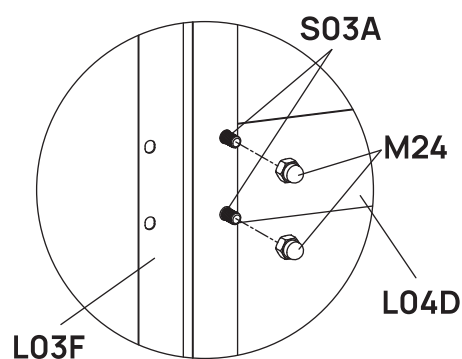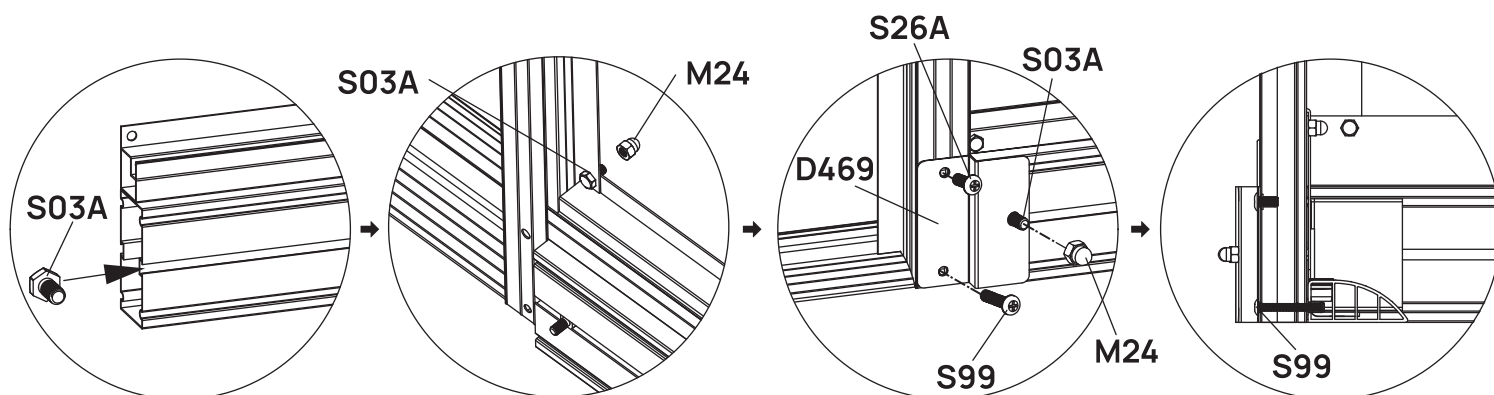
L04E

S89

L03H

L03E

L03N

L04D

L04E

4

2

1

Y10

Y3

L03F

3

5

L03H

1

S03A

M24

L04E

2

S03A

M24

L04D

L03F

3

S03A

M24

S03A

S26A

S03A

D469

S99

M24

S99

Slide one S03A in the groove of the foundation piece in the front as shown. Attach the L03 door frame to the base and foundation, secure it with the mounting plate D469, using different bolts as shown.

Note: S26A is pre-installed.

4

L03H

S03A x 4

M24 x 4

L04D

L04E

5

L03H

S03A

M24

L08G
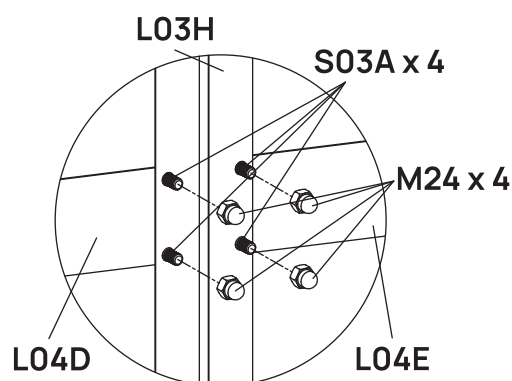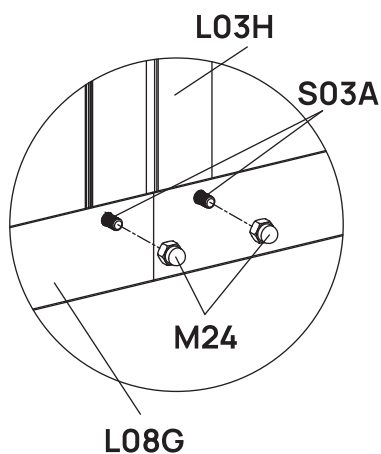
16

Assemble L04B and L04C frames as shown.

Note: Different hardware is required for top and bottom holes on L03G/F.

Top holes: S03A, M24

Bottom holes: S27A, H137, M31

BOX	PART	NO	QTY
ALBOX-2		L04B	1
ALBOX-2		L04C	1
ALBOX-2		S27A M5X12	2
ALBOX-2		M31 M5	2
ALBOX-2		S03A M6X10	4
ALBOX-2		M24 M6	4
ALBOX-2		H137	4

1

L04C

S03A x 2

L04B

M24 x 2

2

L03A/K

S03A

S27A

M24

M31

L03G/F

H137 x 2

L04B

S03A

L04B

S27A
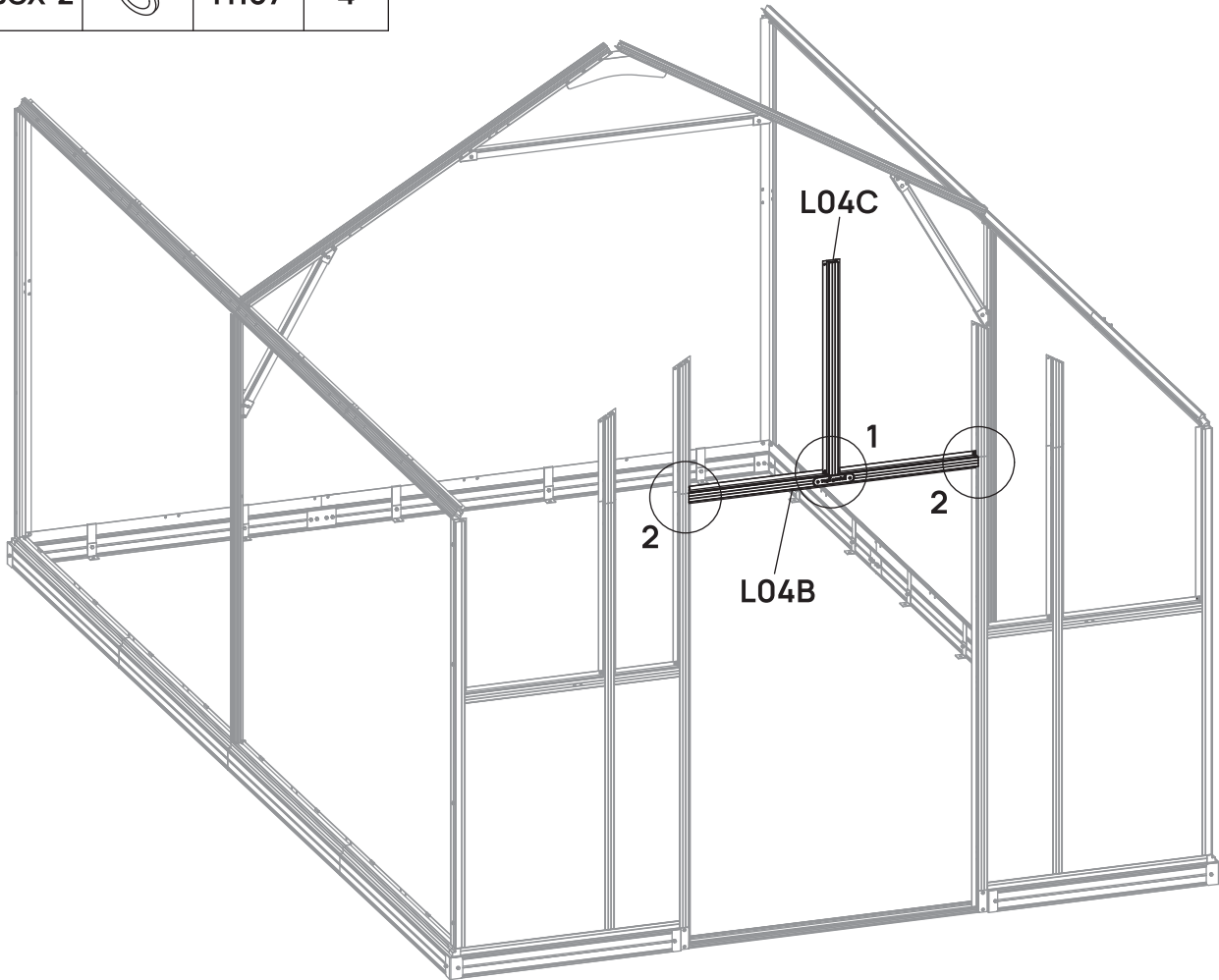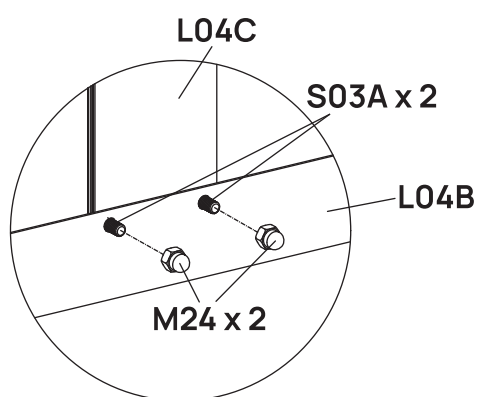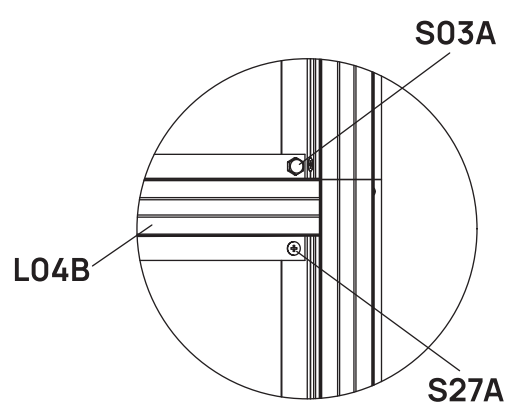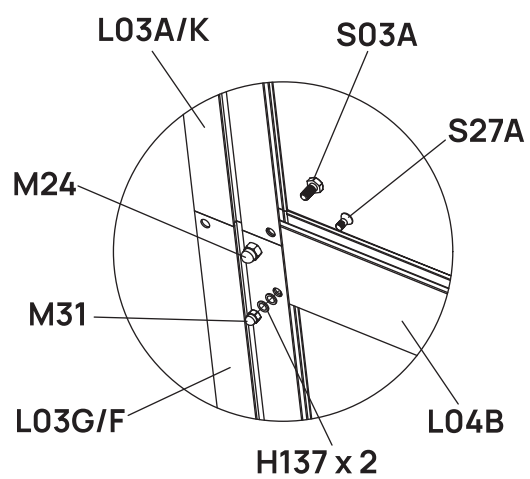
Insert the front gable panels as shown.

BOX	PART	NO	QTY
PCBOX-2		Y4	1
GLBOX-1			
PCBOX-2		Y5	1
GLBOX-1			
PCBOX-2		Y11	1
GLBOX-1			
PCBOX-2		Y12	1
GLBOX-1			
PCBOX-2		Y17	1
GLBOX-1			
PCBOX-2		Y18	1
GLBOX-1			
PCBOX-2		H158	1
GLBOX-1		H159	
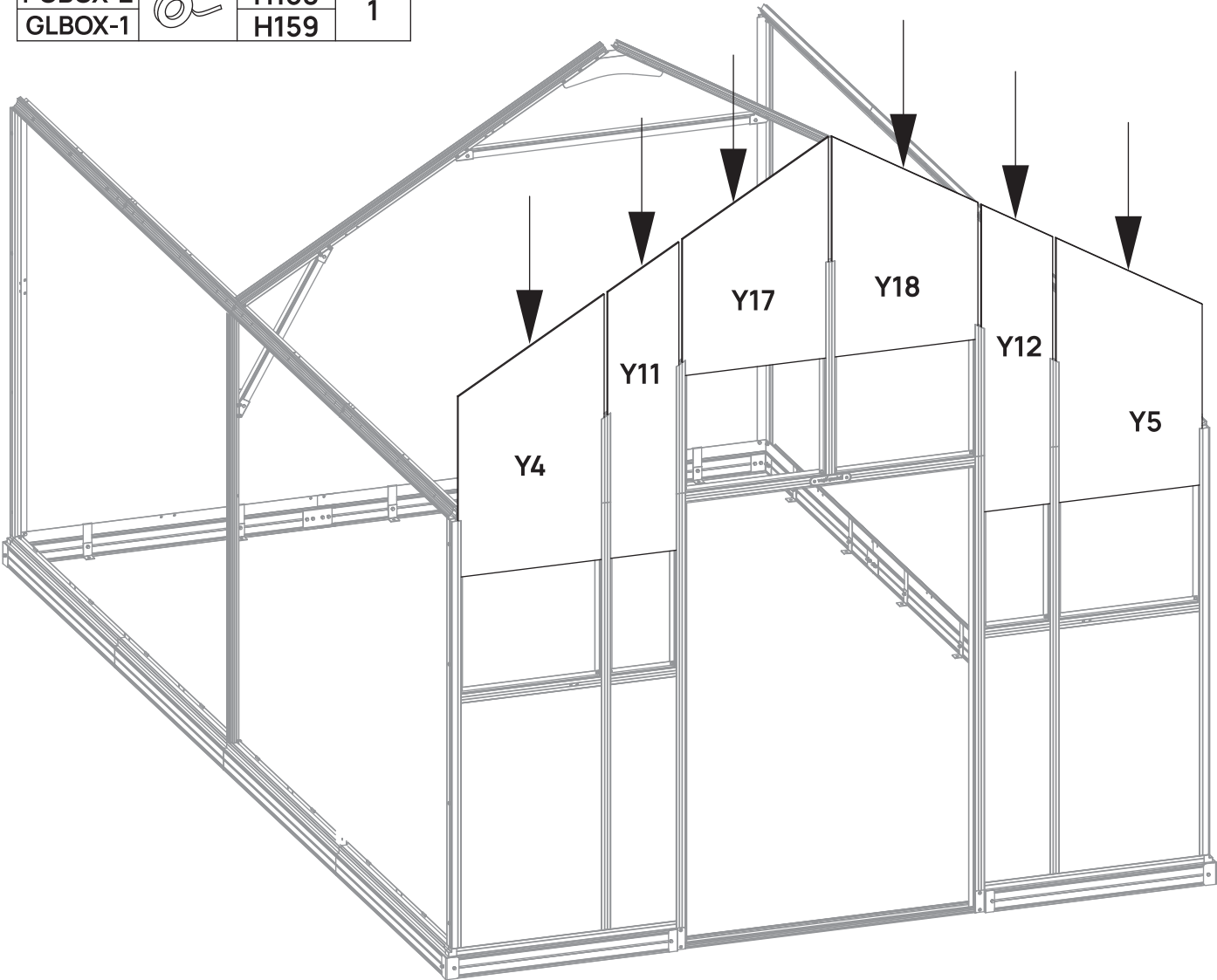
18

Assemble front gable frames as shown.

BOX	PART	NO	QTY
ALBOX-3		L01E	1
ALBOX-3		L01F	1
ALBOX-2		S03A	12
		M6X10	
ALBOX-2		M24	12
		M6	

1

L01E/F

L07B

M24

S03A

2

L01E/F

S03A

M24

3

L01F

L01E

S03A/M24 x 2
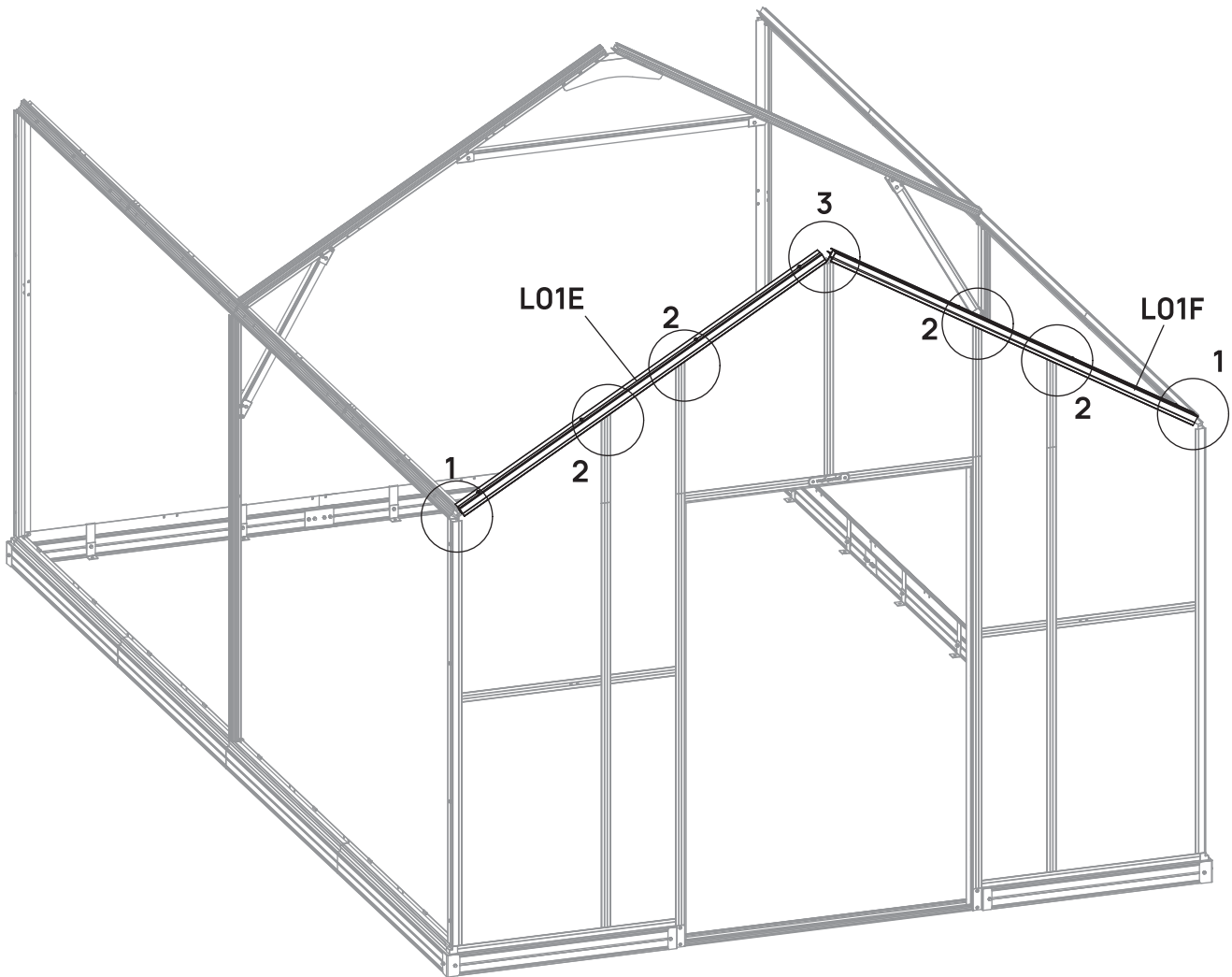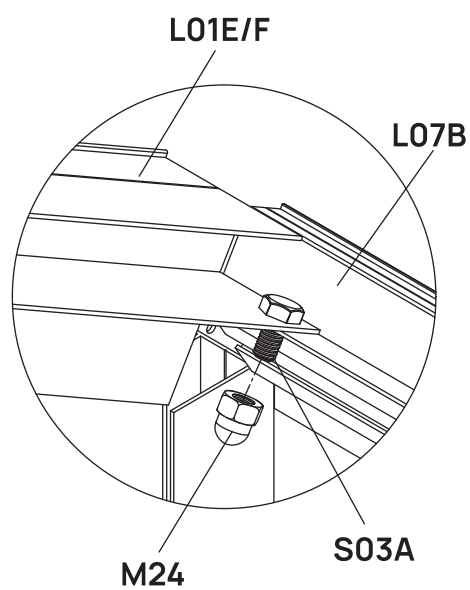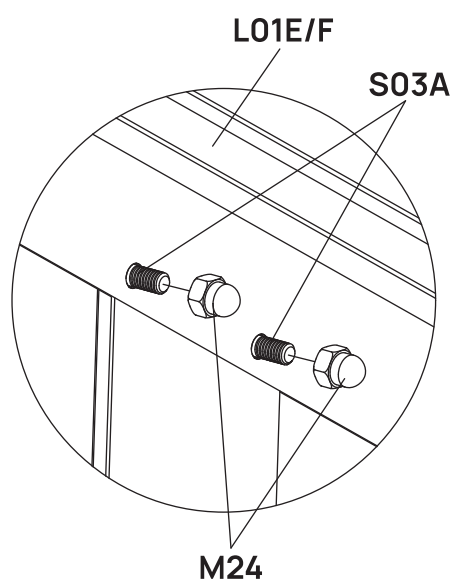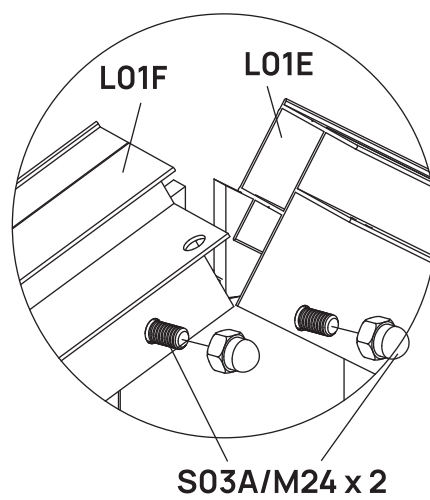
19

Assemble 4 additional L03 vertical frames as shown.

BOX	PART	NO	QTY
ALBOX-1		L03A	1
ALBOX-1		L03K	1
ALBOX-3		L03C	2
ALBOX-3		L03Q	1
ALBOX-3		L03S	1
ALBOX-1		L03B	1
ALBOX-1		L03D	1
ALBOX-2		D470	4
ALBOX-2		Z17A M4.8X16	32

Z17A x 4   Z17A x 4

L03C/Q/S   D470   L03E/A/K

L03K

L03B

L03D

L03A

L03Q

L03C

L03C

L03S

20
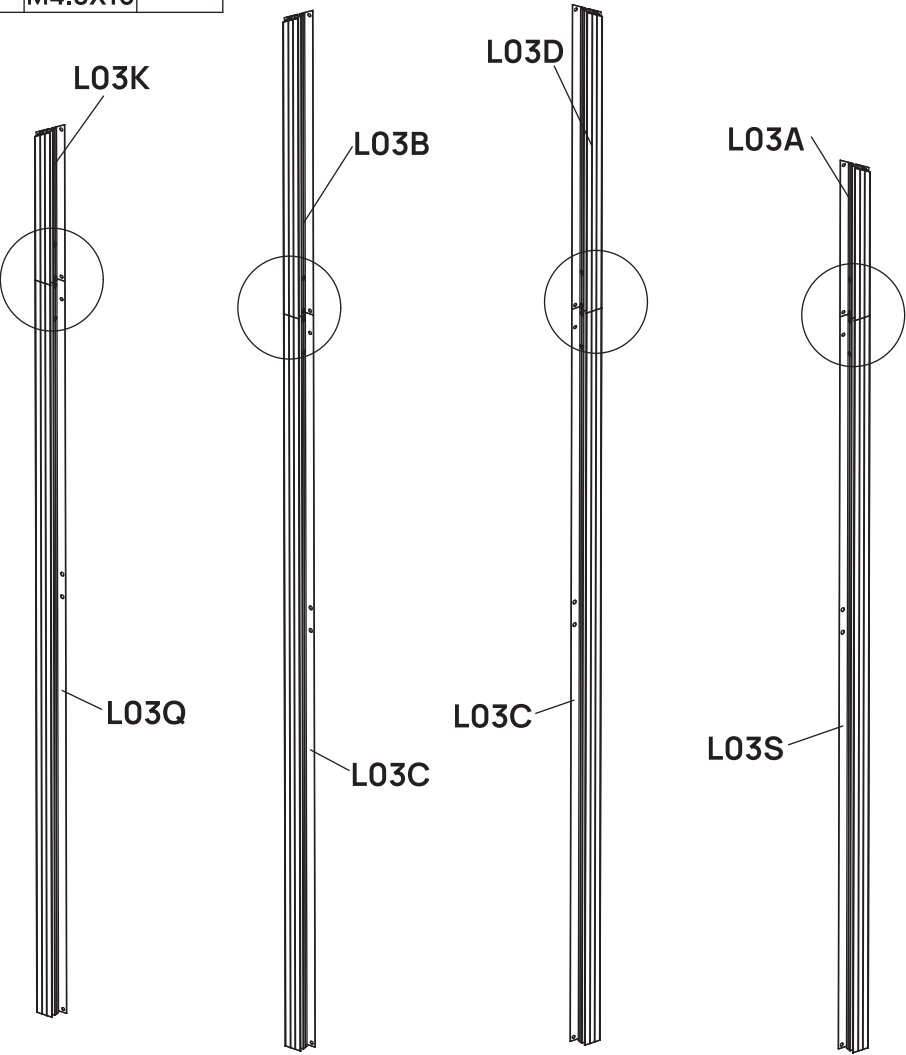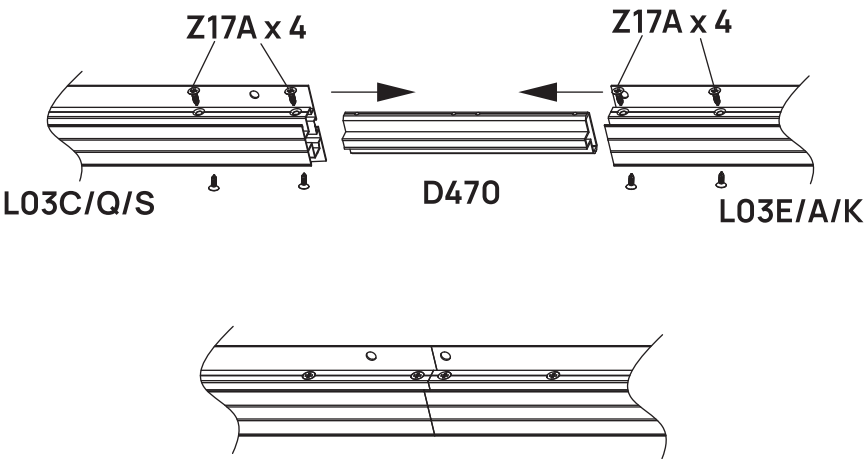
Insert a Y3 panel into the groove of L01A and into the base frame. Then install L03 and L04 pieces in place as shown.

BOX	PART	NO	QTY
ALBOX-1	⊓⊔	L04A	1
PCBOX-2	▢	Y3	1
GLBOX-1			
PCBOX-2	◎	H158	1
GLBOX-1		H159	

L01A L04A L03Q/K

Y3
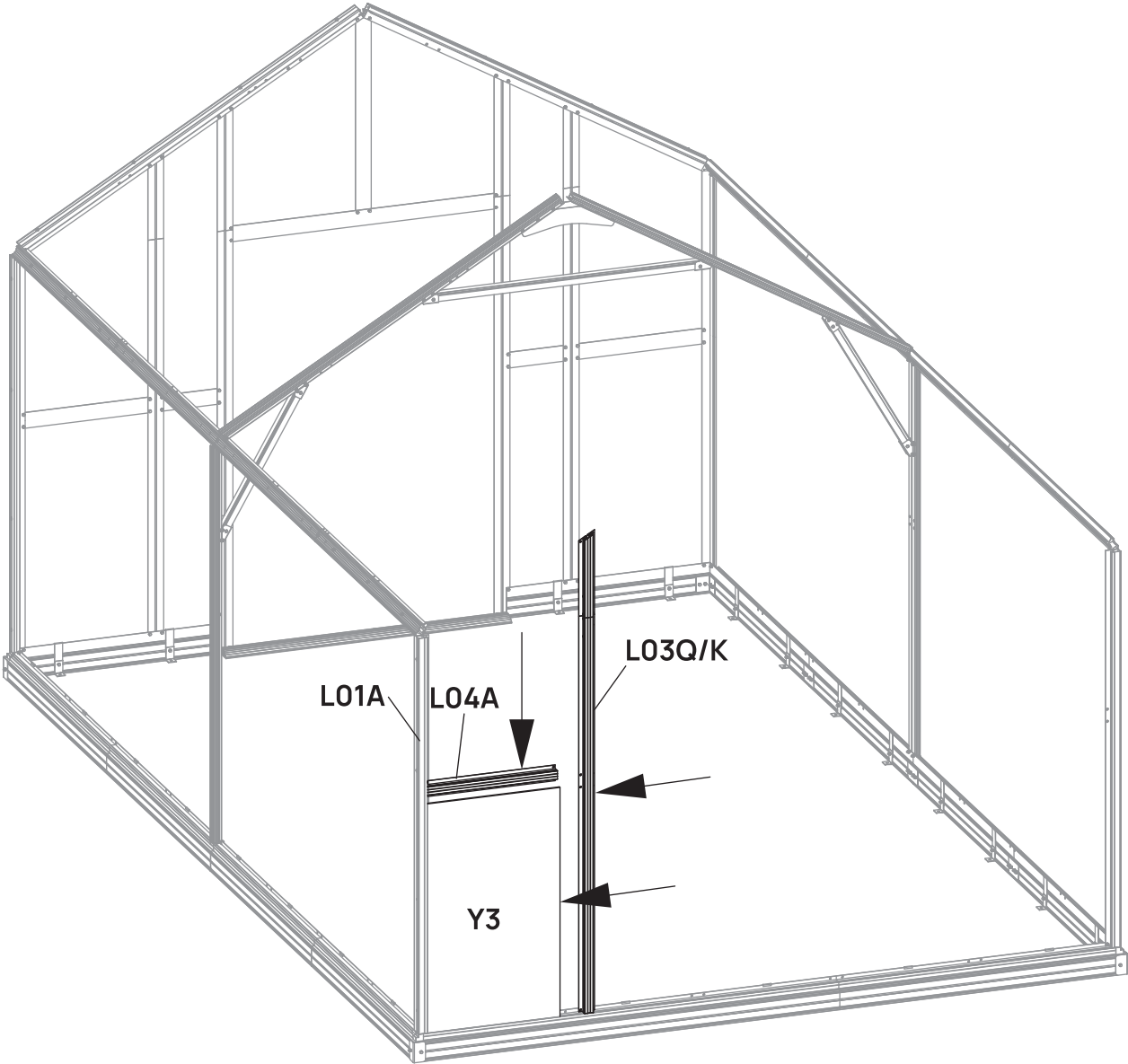
21

Repeat and install the remaining vertical frames, Y3 panels and horizontal frames as shown.

BOX	PART	NO	QTY
ALBOX-1		L04A	3
PCBOX-2 GLBOX-1		Y3	4
ALBOX-2		S03A M6X10	22
ALBOX-2		M24 M6	22

L03S/A

L03C/B

L03C/D

L03Q/K

Y3

L04A

L04A

L04A

3

2

2

2

Y3

Y3

Y3

Y3

Y3

1

1

1

1

L03Q/C/S

S03A

①

M24

L08

L03Q/C/S

S03A x 4

②

M24 x 4

L04A

L04A

S03A

③

M24
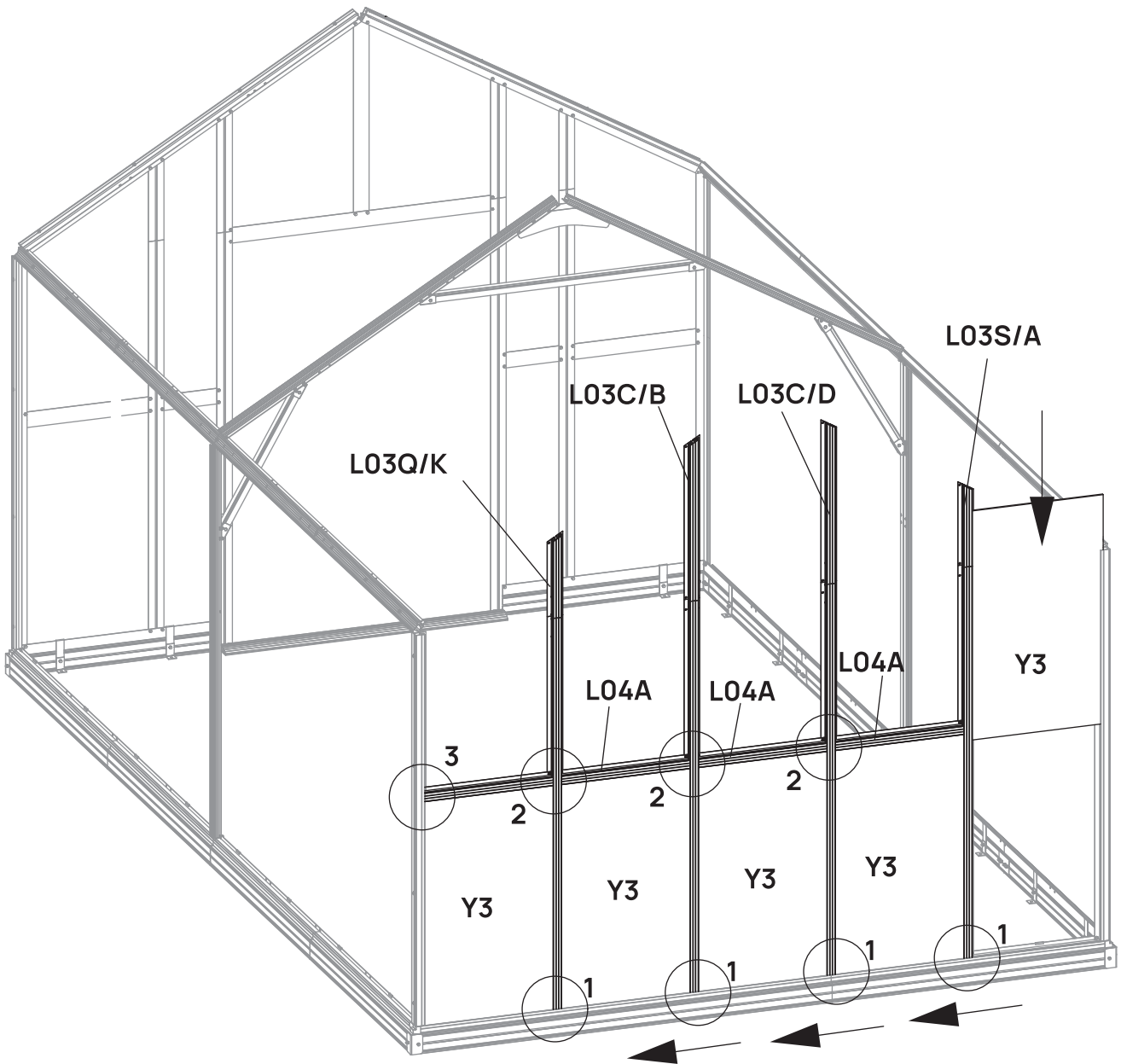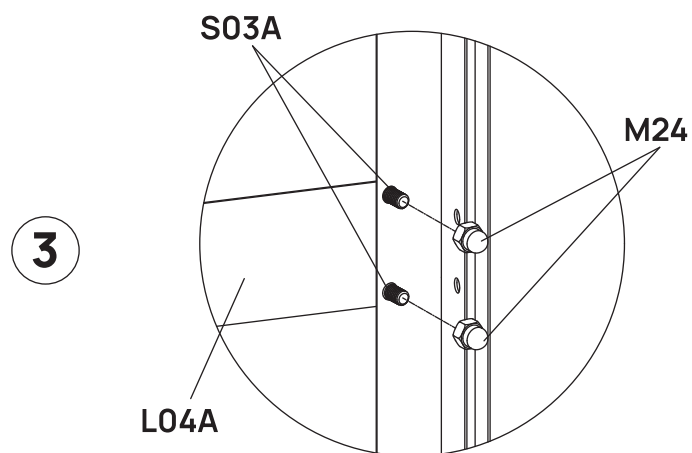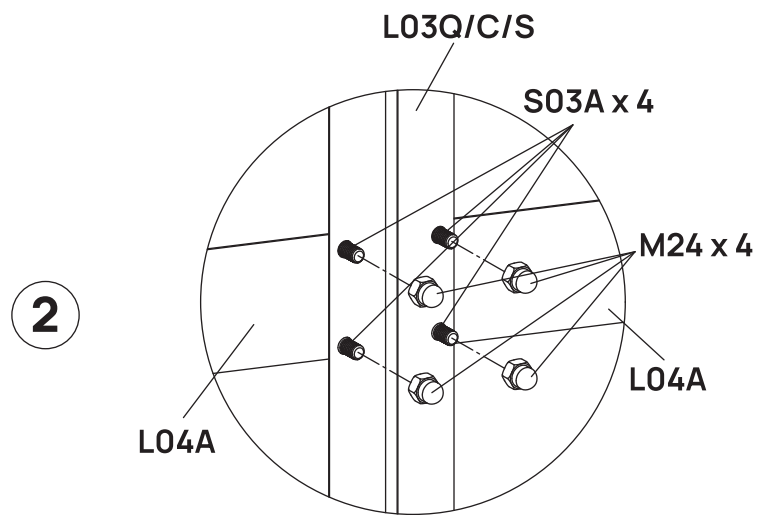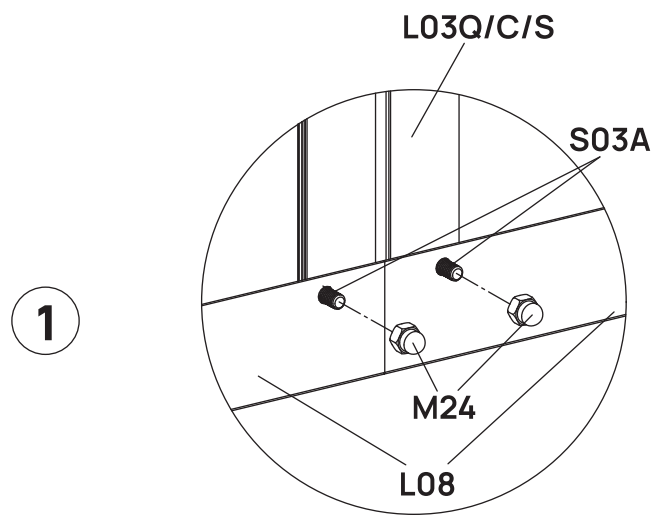
L04A

22

Insert Y8 panels and attach L04A frames as shown.

BOX	PART	NO	QTY
ALBOX-2		L04A	4
PCBOX-1		Y8	3
GLBOX-1			
ALBOX-2		S03A	18
		M6X10	
ALBOX-2		M24	18
		M6	

1

S03A

M24

L04A

2

S03A x 2

M24 x 2

L04A

L03Q

3

L03Q/C/S

S03A x 4

M24 x 4

L04A

L04A
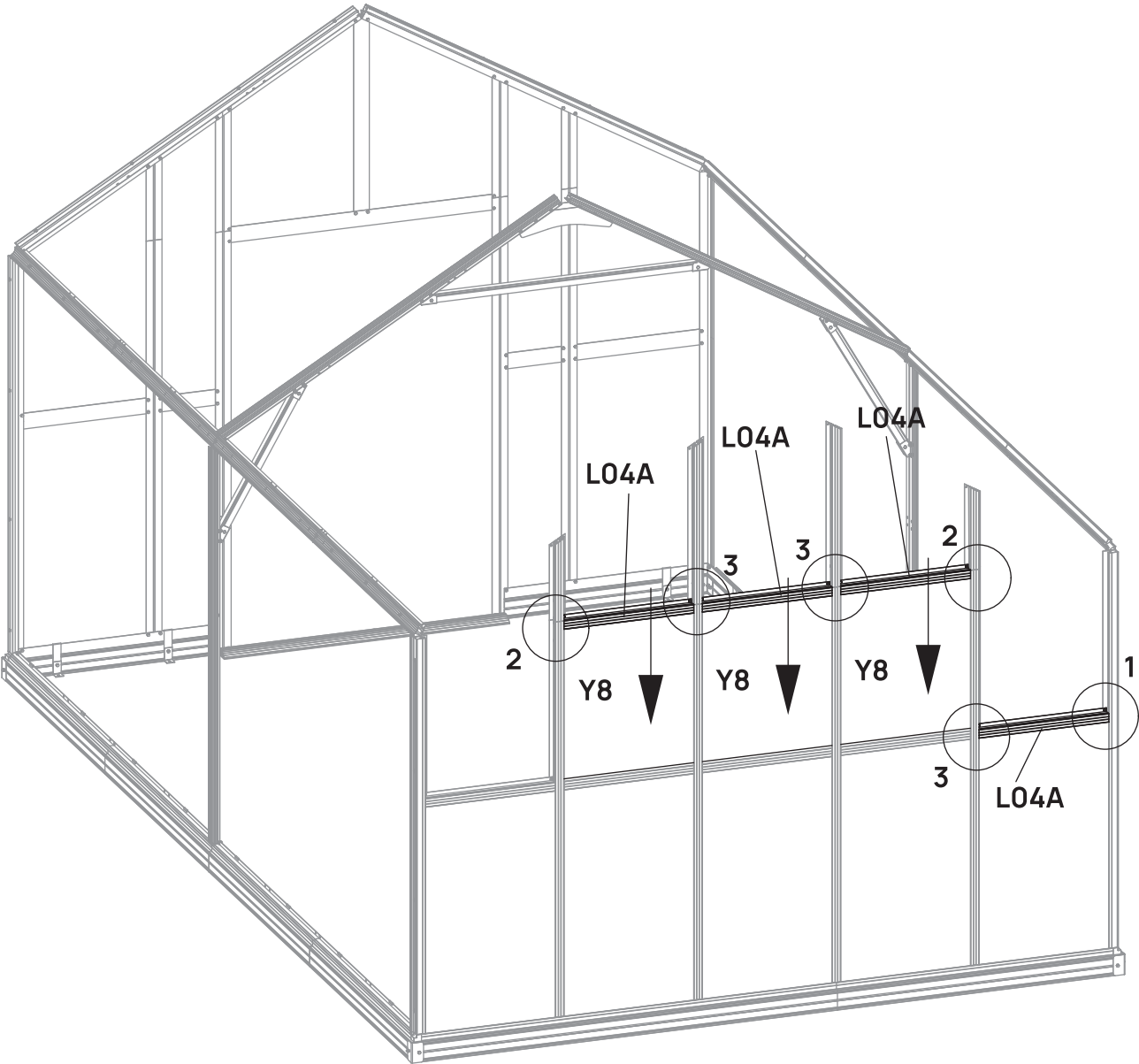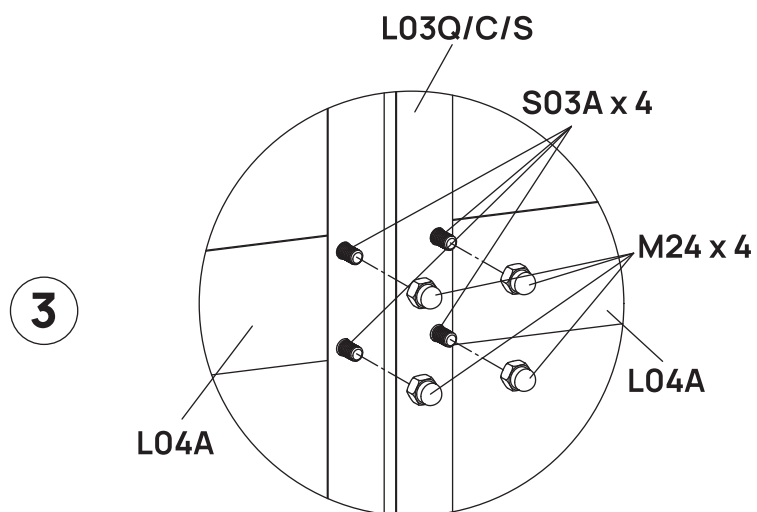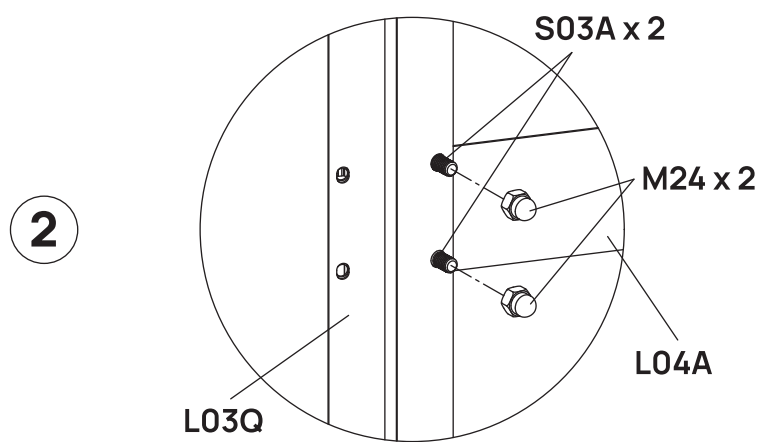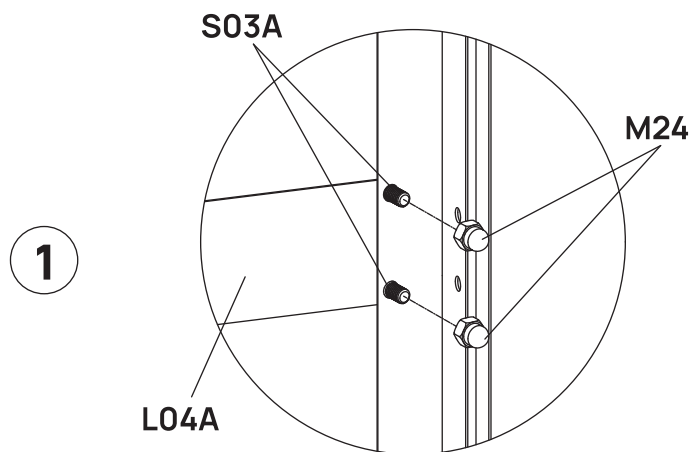
Insert the back gable panels as shown.

BOX	PART	NO	QTY
PCBOX-2		Y4	1
GLBOX-1			
PCBOX-2		Y5	1
GLBOX-1			
PCBOX-2		Y6	1
GLBOX-1			
PCBOX-2		Y7	1
GLBOX-1			
PCBOX-2		Y16	1
GLBOX-1			
PCBOX-2		H158	1
GLBOX-1		H159	
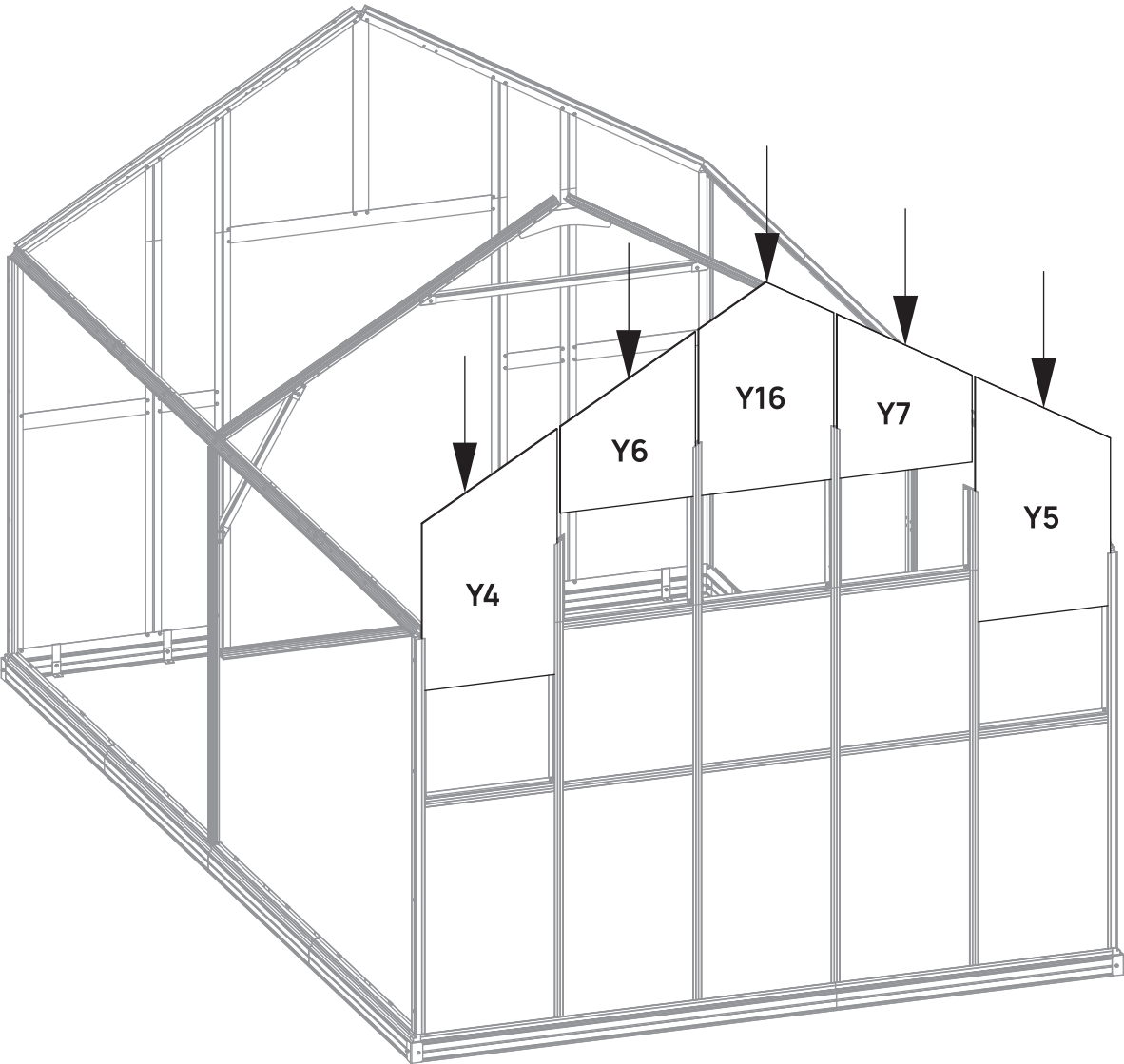
Assemble back gable frames as shown.

BOX	PART	NO	QTY
ALBOX-3		L01C	1
ALBOX-3		L01D	1
ALBOX-2		S03A M6X10	10
ALBOX-2		M24 M6	10

1

L01C/D

L07B

M24   S03A

2

L01C/D

S03A x 2

M24 x 2

L01C

L01D
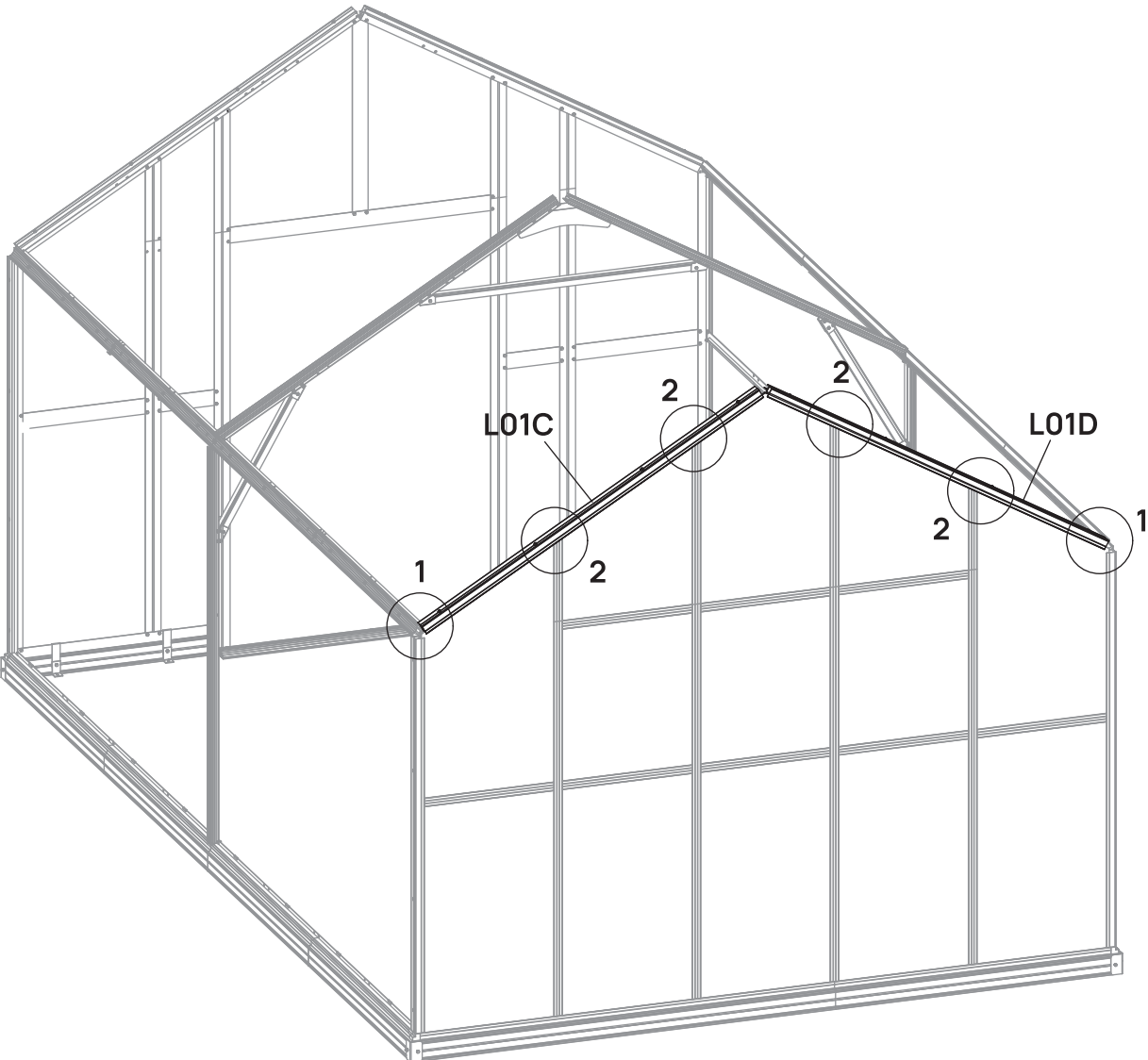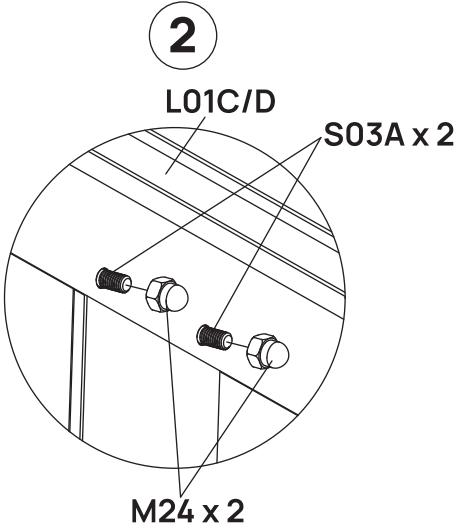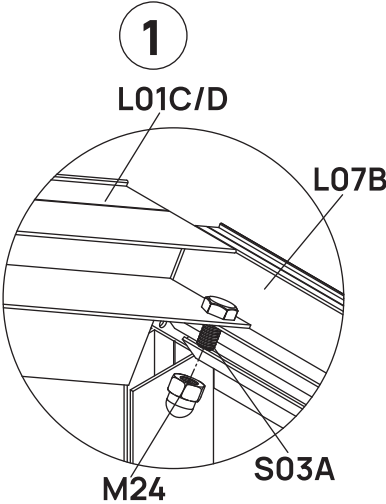
25

Slide Y1 panels in place as shown.

BOX	PART	NO	QTY
PCBOX-2		Y1	2
GLBOX-1			
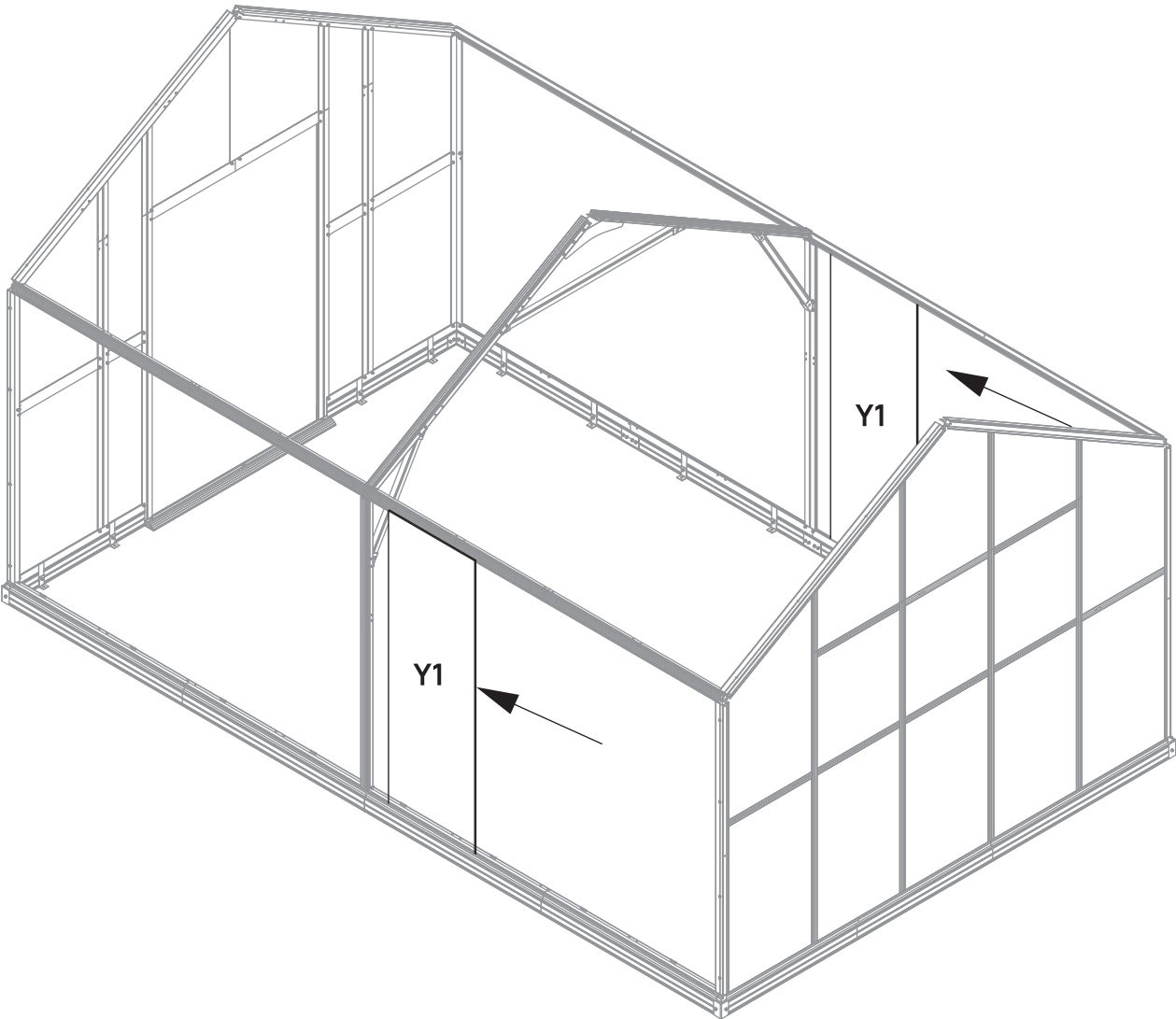
26

Assemble L03W vertical frames as shown, secure with S03A bolts and M24 nuts.

BOX	PART	NO	QTY
ALBOX-3		L03W	2
ALBOX-2		S03A M6X10	8
ALBOX-2		M24 M6	8
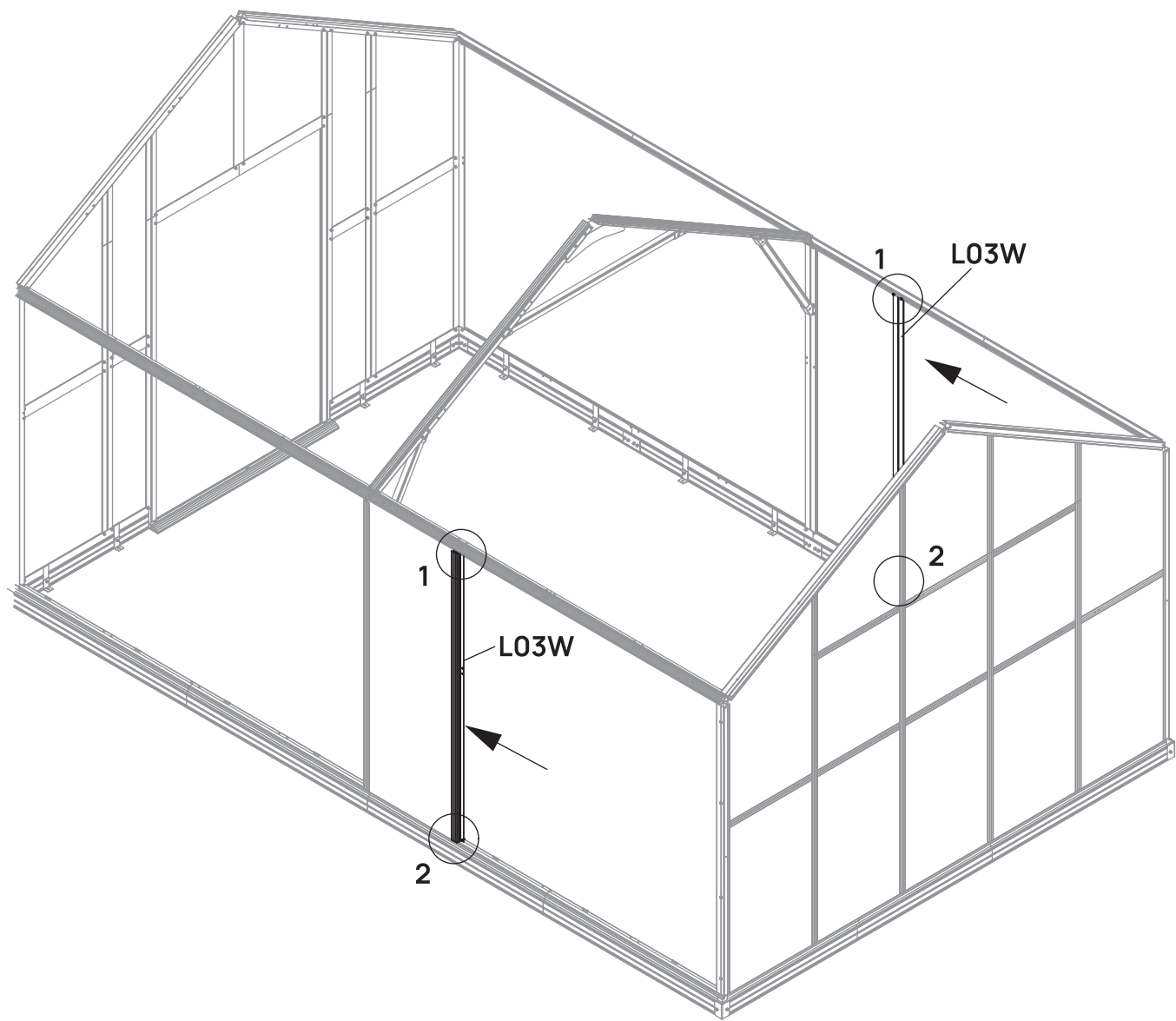
The ends of L03W/M/Y/T with oval holes face upward.

L03W

28.1"

L03M

28.1" 14.5"

L03Y

28.1" 14.5"

L03T

28.1"

1

S03A   L07A

M24

L03W

2

L03W

S03A

M24   L08V/Y
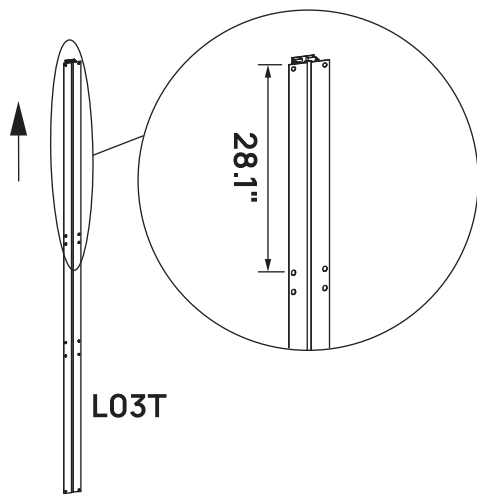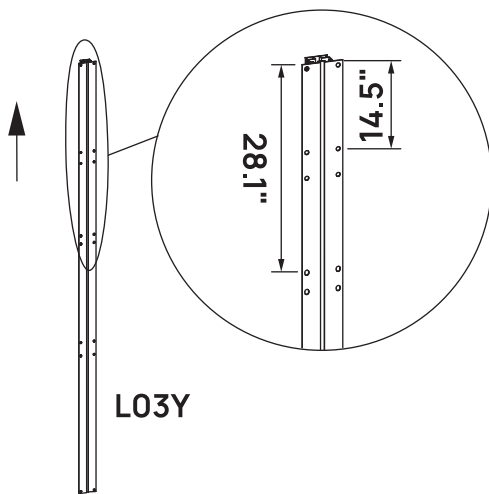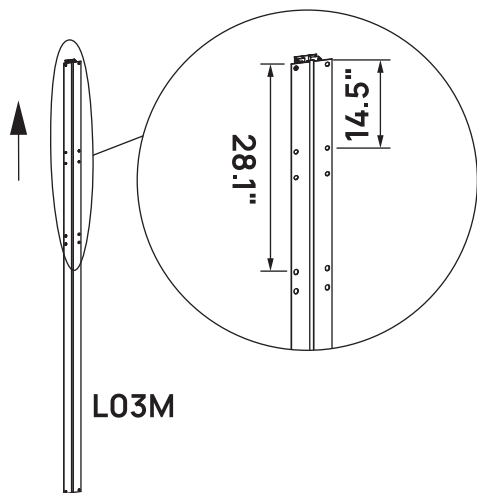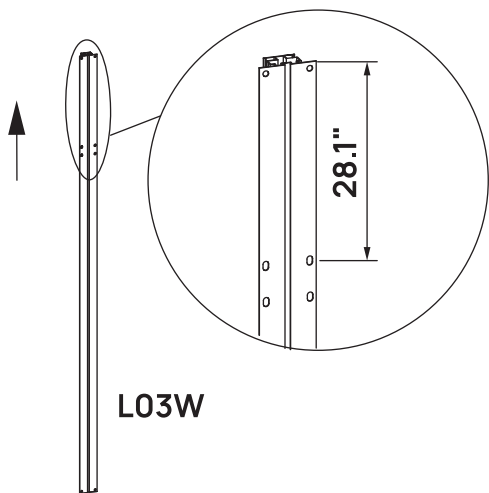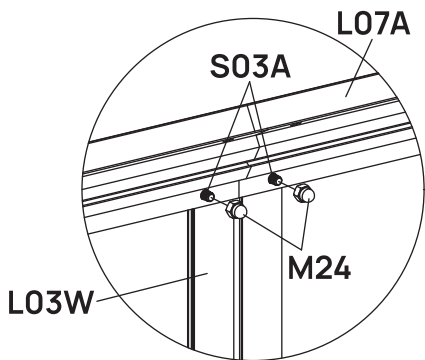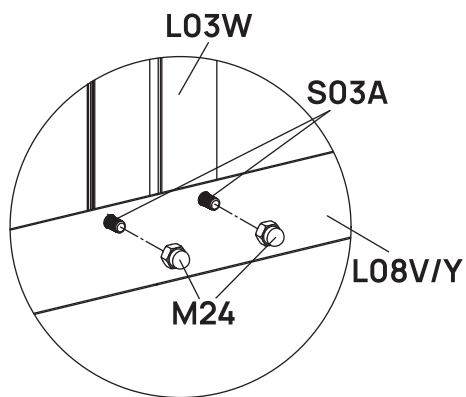
Assemble the rest of L03W/M/Y/T frames and panels as shown.

Note: The positions of L03Y, L03T frames and the Y19 panel are where the louvered windows will be installed.

BOX	PART	NO	QTY
ALBOX-3		L03W	4
ALBOX-3		L03M	2
ALBOX-3		L03Y	2
ALBOX-3		L03T	2
PCBOX-2 GLBOX-1		Y1	12
PCBOX-2 GLBOX-1		Y19	2
ALBOX-2		S03A M6X10	40
ALBOX-2		M24 M6	40
PCBOX-2 GLBOX-1		H158 H159	1

1

L07A/B

S03A

M24

L03W/M/T/Y

2

L03W/M/T/Y

S03A

M24

L08
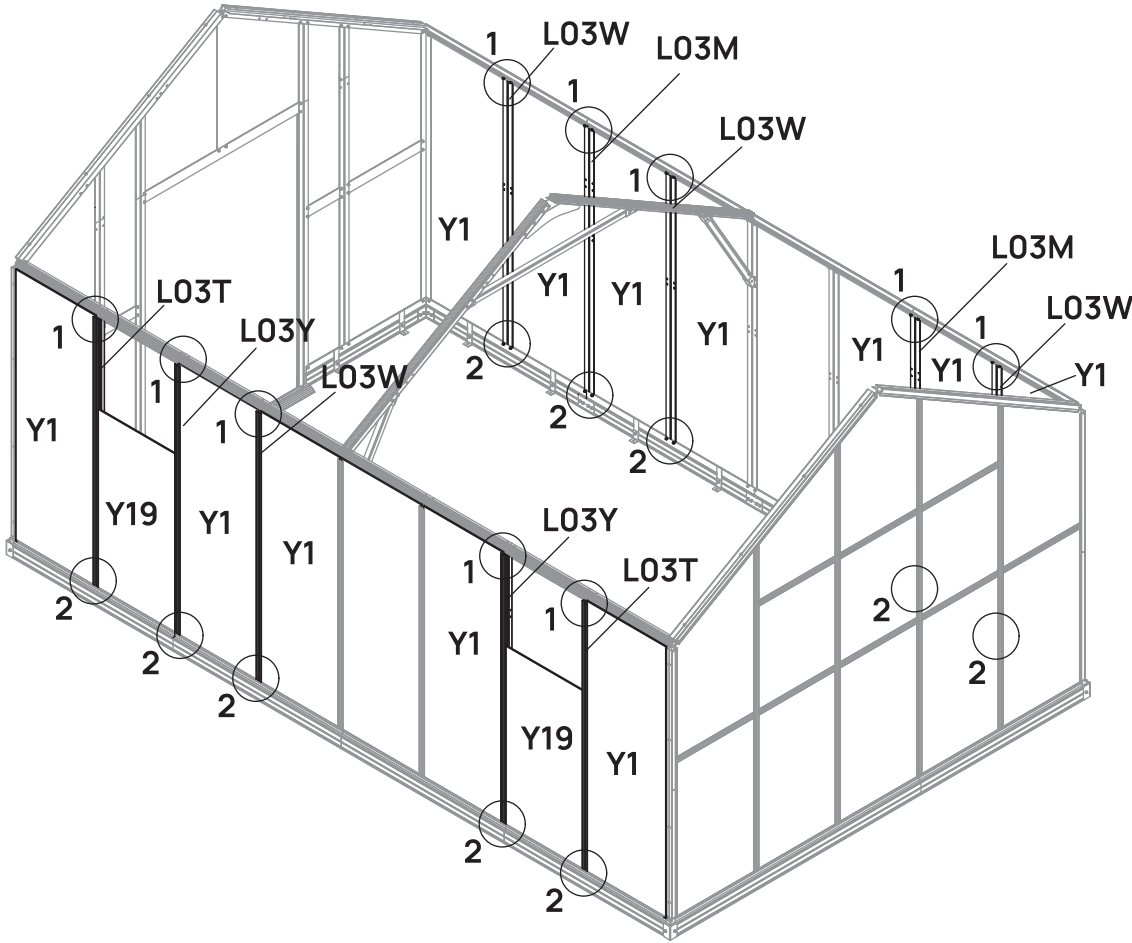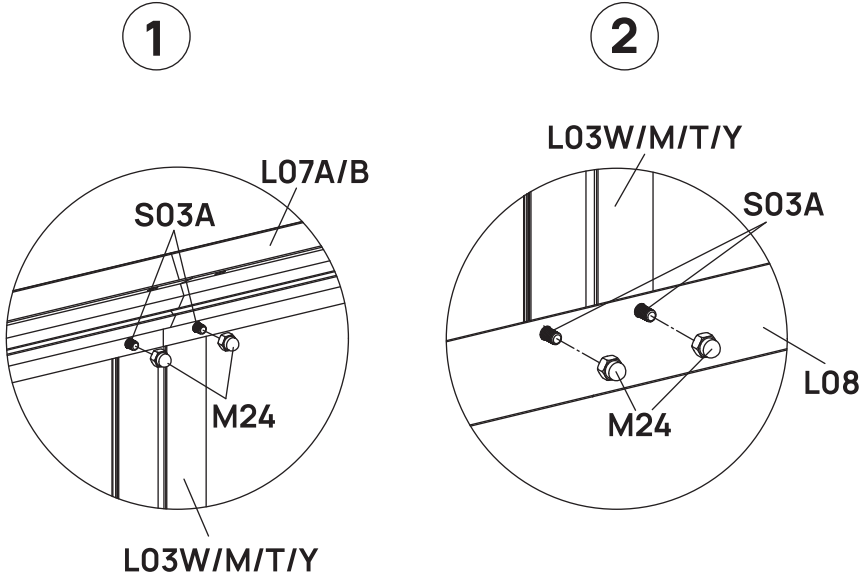
28

Remove the pre-installed S21A bolts from the four corner L01 frames.

BOX	PART	NO	QTY
Pre-installed		S21A	16
		M5X12	

L01

X4

L10A/B

S21A

S21A

L01A/B/E/F
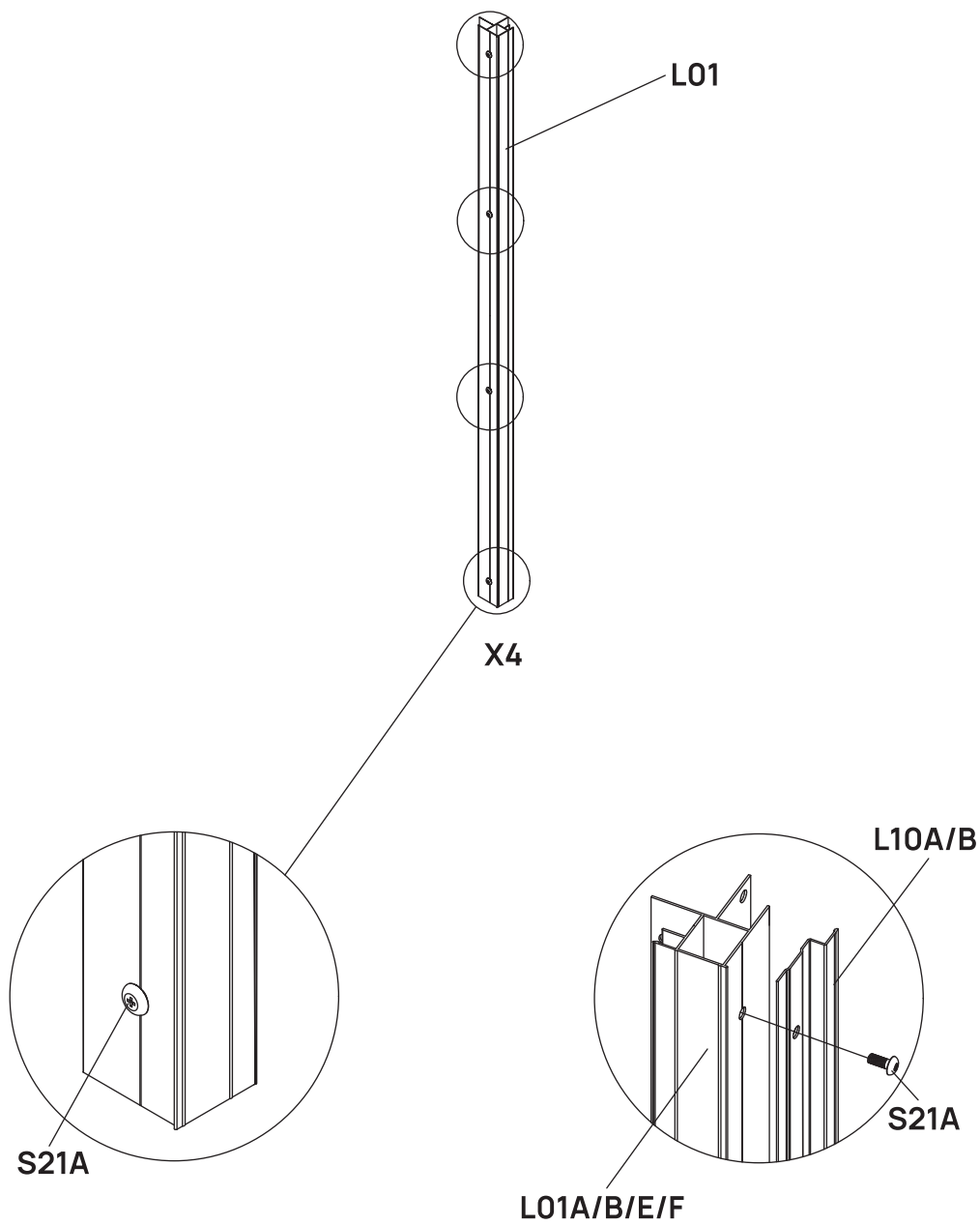
Attach L10A/B corner cover frames onto L01 frames to secure the outermost PC panels as shown, using the removed S21A bolts.

BOX	PART	NO	QTY
ALBOX-3	⌐‿	L10A	2
ALBOX-3	⌐‿	L10B	2

L10A

L10B

L10A

L10B
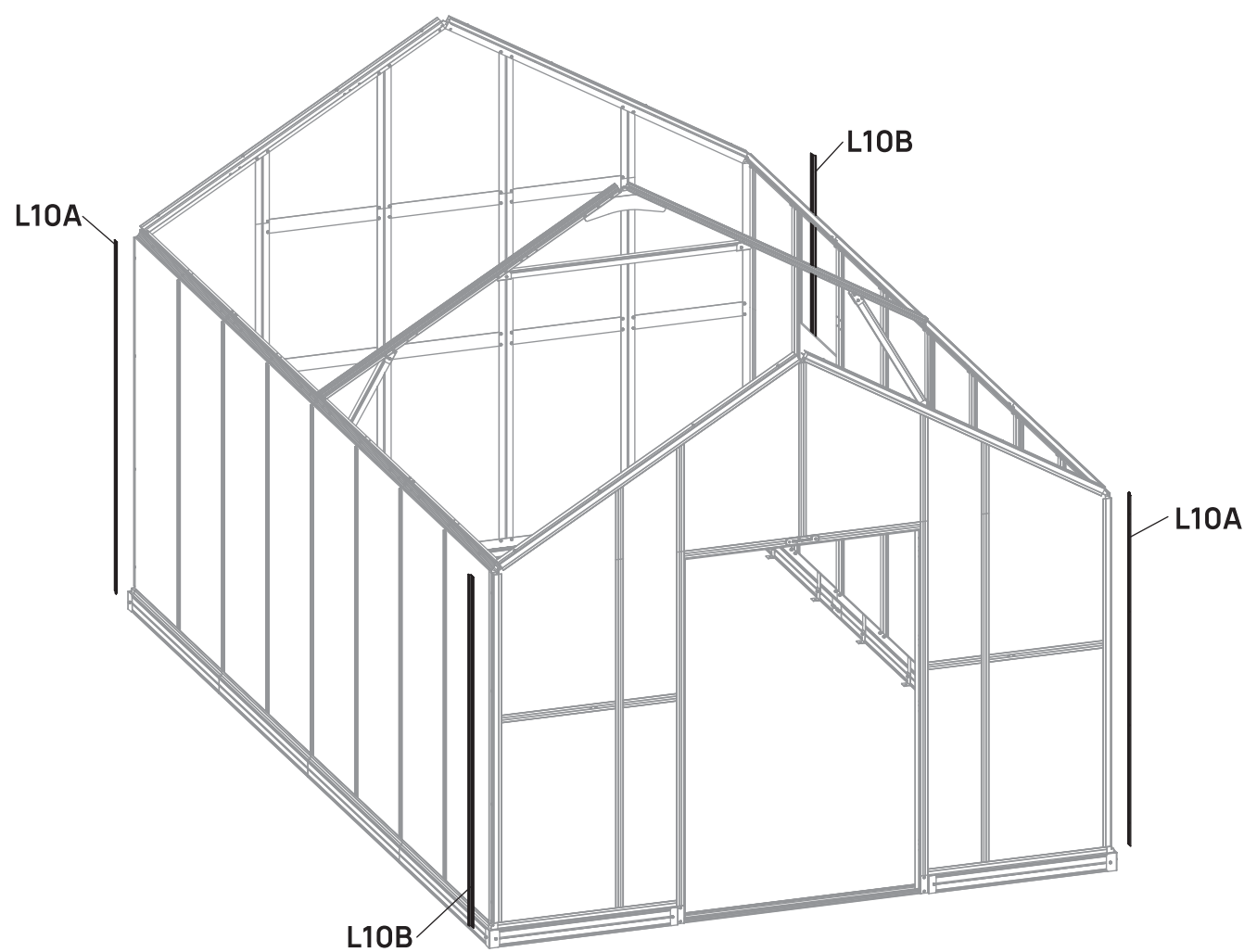
Lift the Y19 panels upward and temporarily secure them. Attach L40A frames as shown, then slide Y19 panels down into the groove of L40A.

BOX	PART	NO	QTY
PCBOX-1		L40A	2
PCBOX-1		S03A M6X10	8
PCBOX-1		M24 M6	8

②

L03T/Y

Y19

L40A

S03A

M24

L03T/Y

L40A

Y19

L40A

2

2

Y19

L40A

2

2
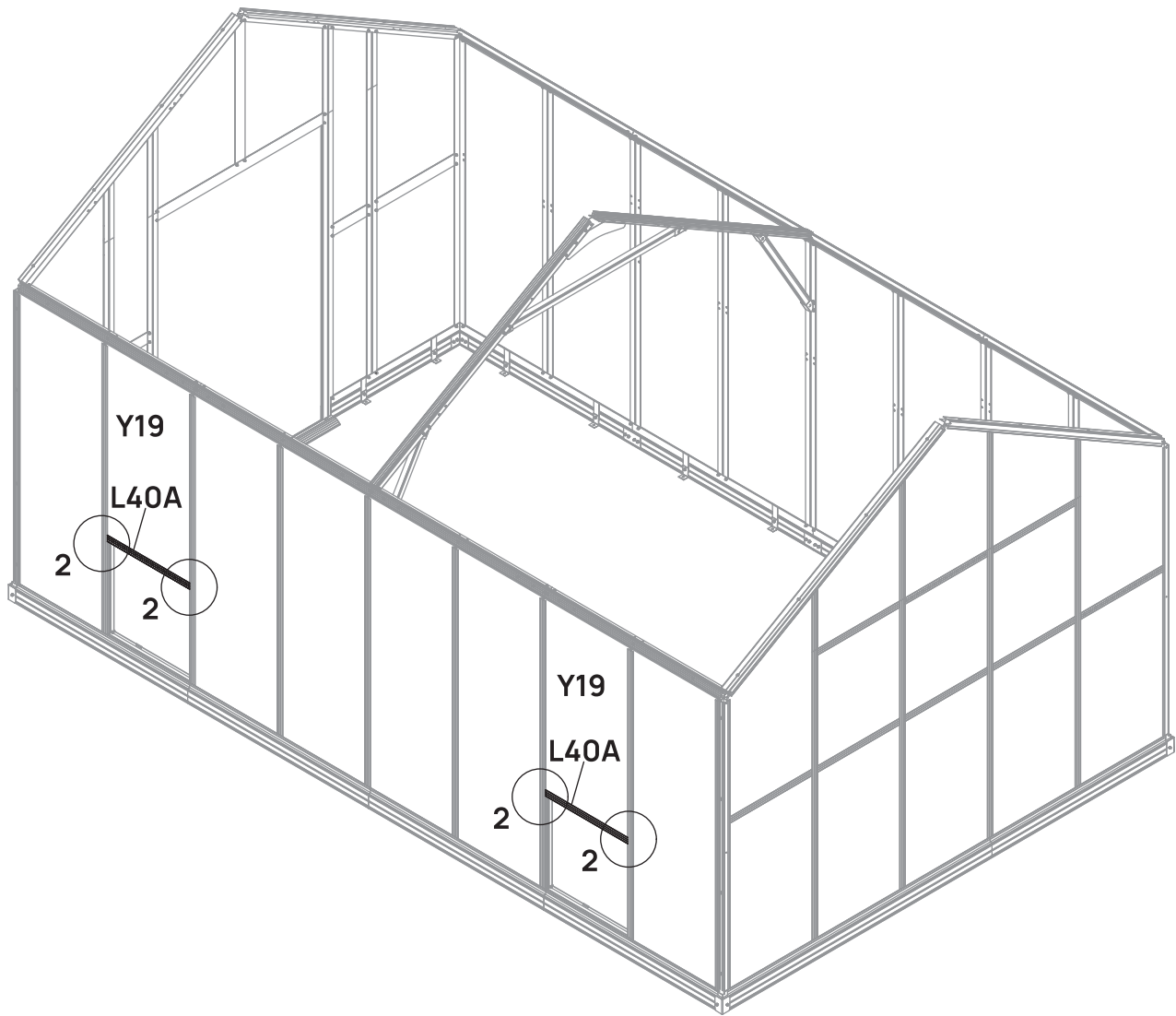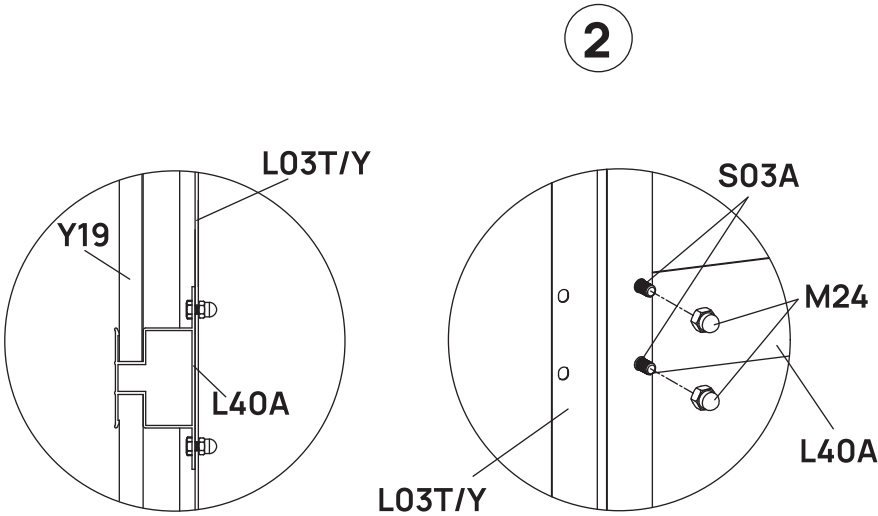
Assemble inner connecting frames as shown.

BOX	PART	NO	QTY
ALBOX-2		L05A	8
ALBOX-2		S03A M6X10	64
ALBOX-2		M24 M6	64

1

L01A/B

S03A x 2

L05A

M24 x 2

2

L03M

S03A x 4

L05A

L05A

M24 x 4

3

L03W

S03A x 4

L05A

L05A

M24 x 4
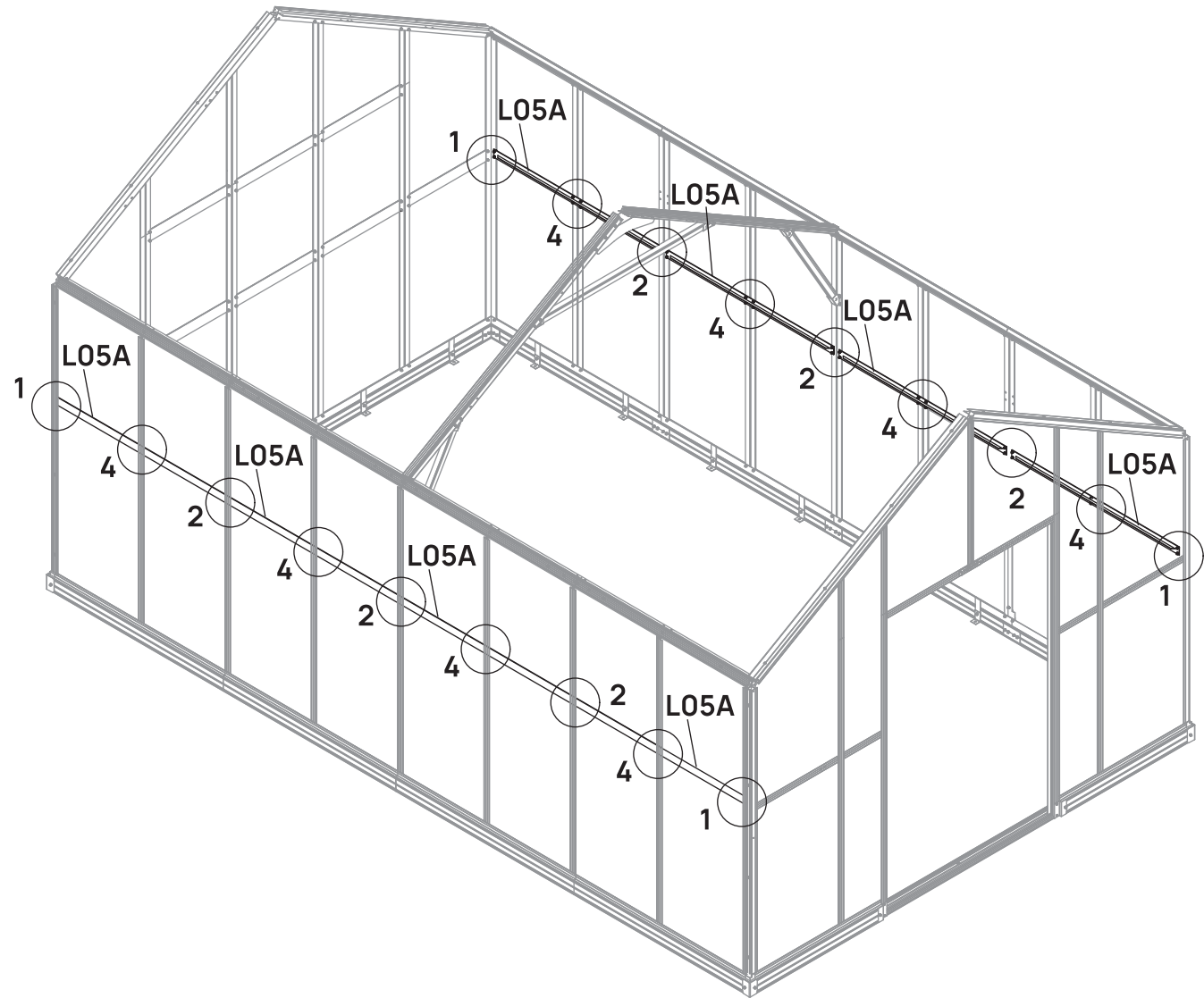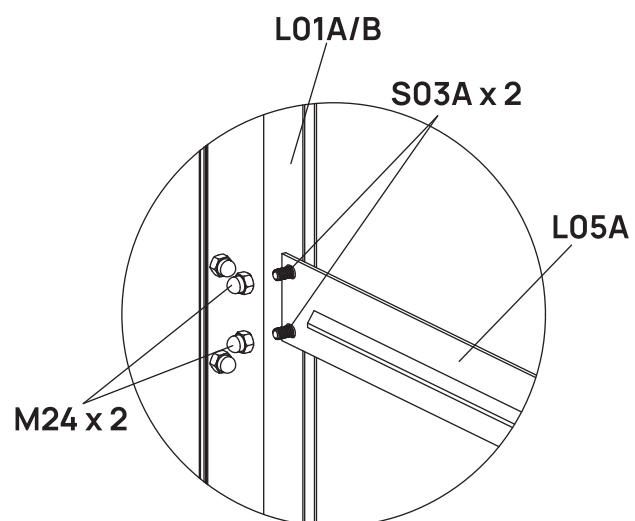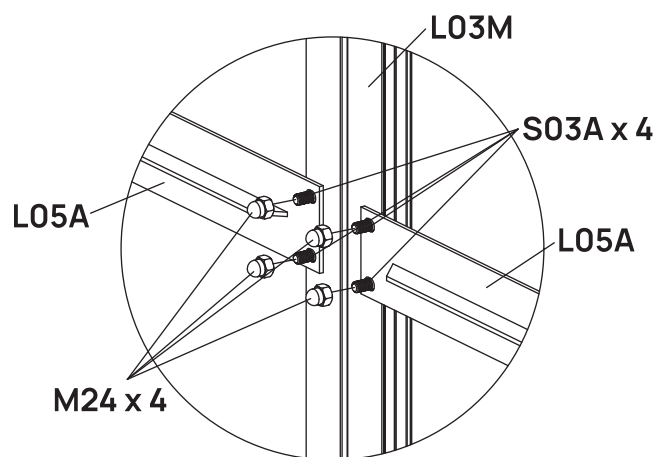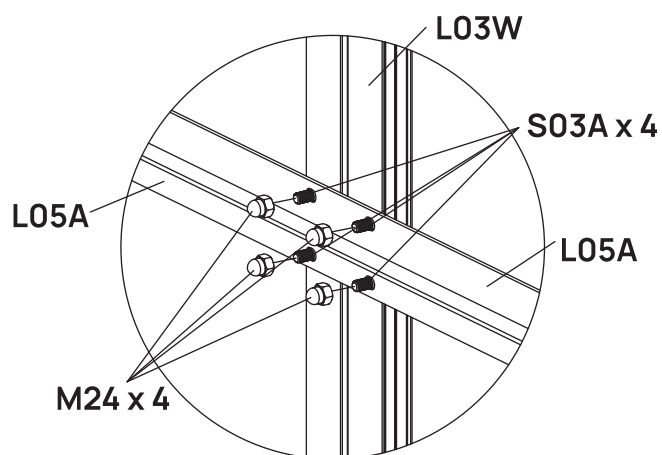
Louvered window Assembly

Assemble the L42A and L42B frame to the K1 control frame as shown, secure with Z02A screws.

BOX	PART	NO	QTY
PCBOX-1		K1	2
PCBOX-1		L42A	2
PCBOX-1		L42B	2
PCBOX-1		L44A	24
PCBOX-1		Y41	12
PCBOX-1		Z02A Ø4x16D	4

1

Z02A

L42A

Z02A

2

L42A

Z02A

Z02A

L42A

1

K1

2

L42B

Z02A
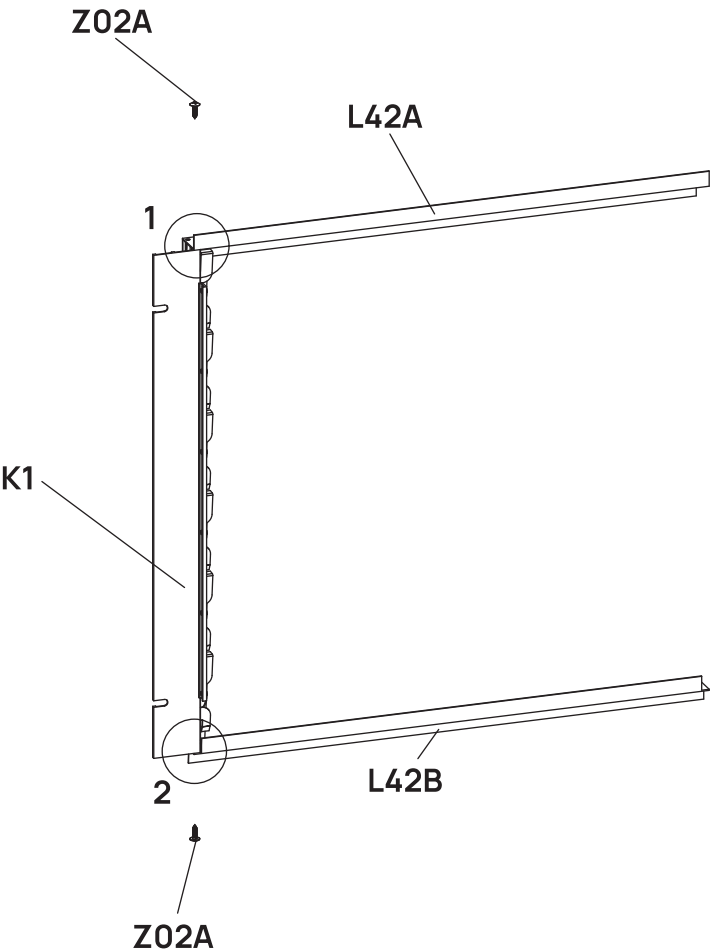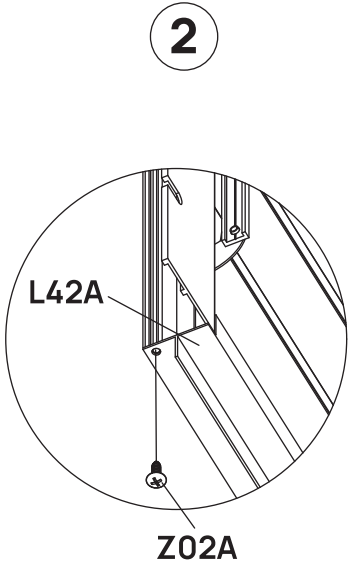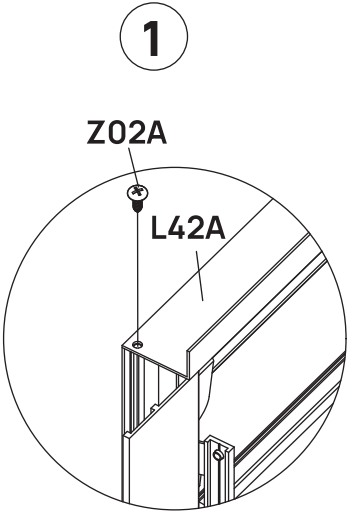
Assemble 6 sets of louver blades as shown.
Ensure the L44A trim profiles are oriented correctly.

L44A

Y41

X6

L44A

Short edge

Long edge
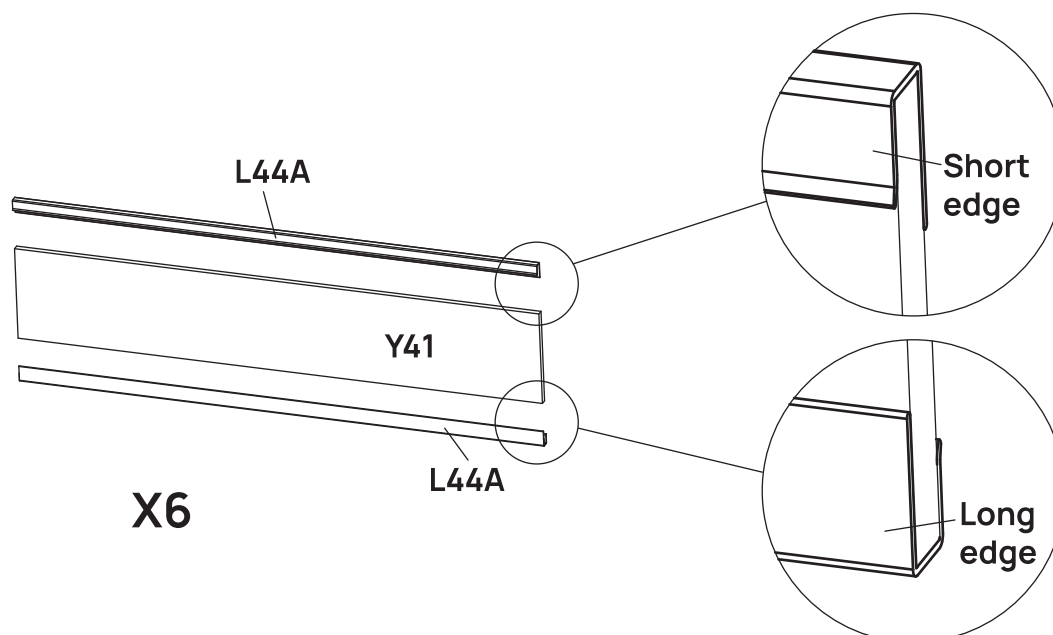
Insert all louver blades into the control frames, with the short edges of the L44A profiles facing inward and upward.

Short edge

Y41

Long edge

Y41
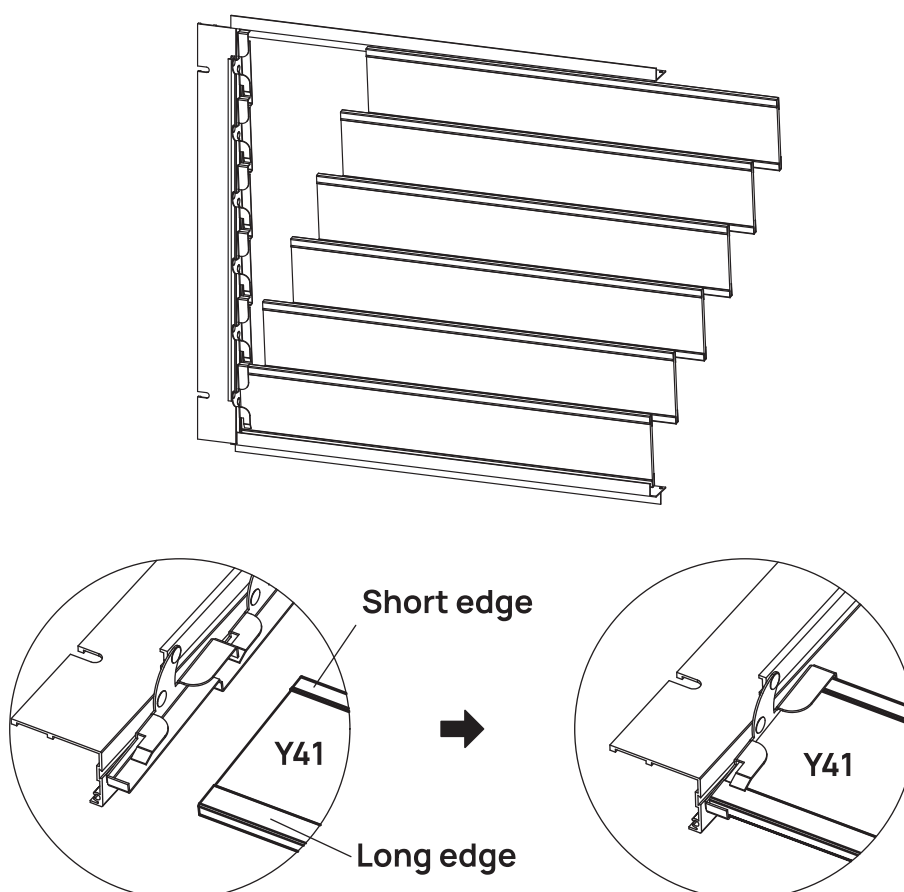
03

Assemble the louver control handle as shown, then attach it to the K2 control frame.

BOX	PART	NO	QTY
PCBOX-1		K2	2
PCBOX-1		D530	6
PCBOX-1		D532	2
PCBOX-1		D534	2
PCBOX-1		D535	2
PCBOX-1		D536	2
PCBOX-1		H232	6
PCBOX-1		S101 M5X8	4
PCBOX-1		S103 M5X15	4
PCBOX-1		S92 M4X10	4
PCBOX-1		M30 M4	4
PCBOX-1		M18 M5	4
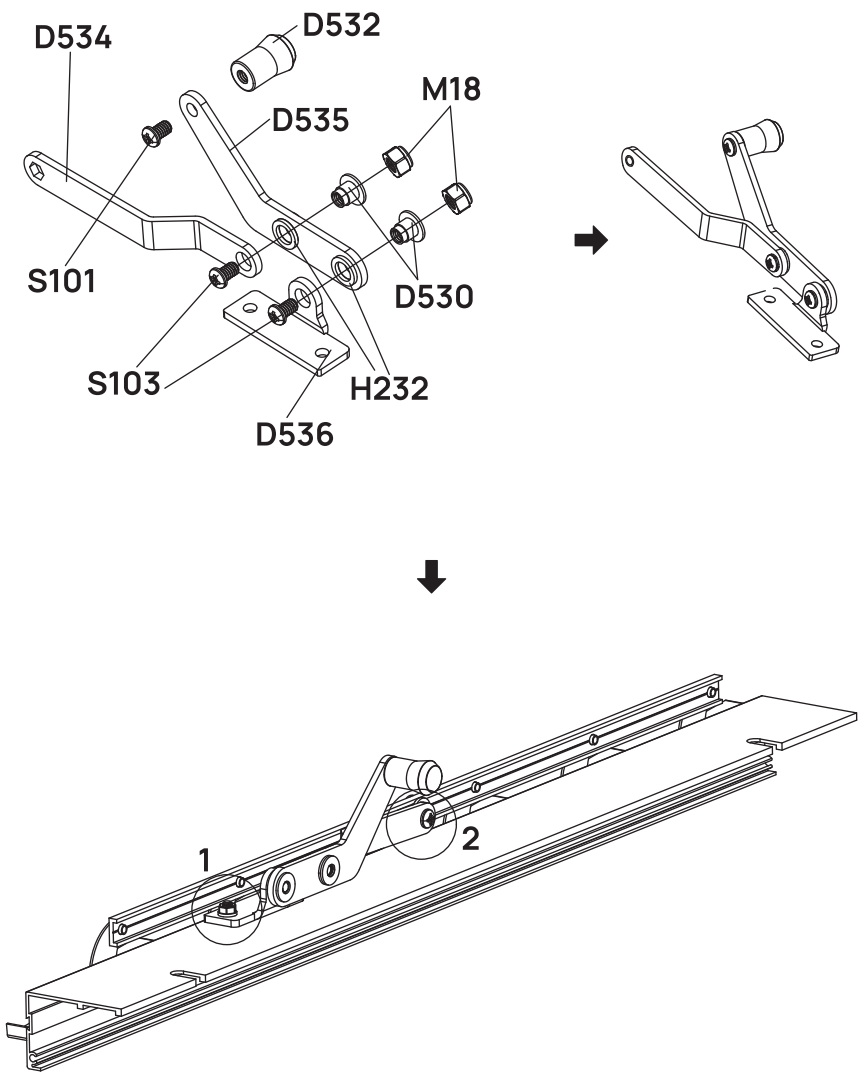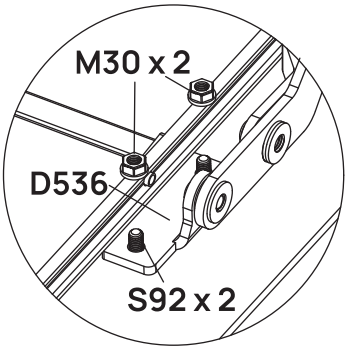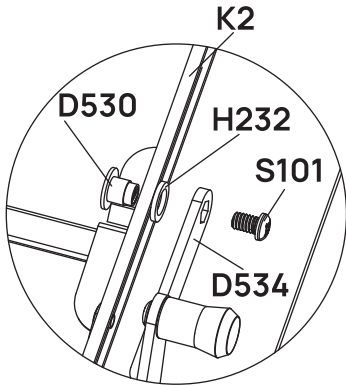
Attach K2 control frame with handle to L42 frames and blades, secure with Z02A screws as shown.

Repeat these steps and assemble a total of 2 louvered windows.

BOX	PART	NO	QTY
PCBOX-1		Z02A Ø4x16D	4

X2

Z02A
4
L42A
Z02A
3
K2
L42B
5
Z02A

3

K2
Y41
L44A

K2
Y41
L44A L44A

4

L42A
Z02A

5

Z02A L42B
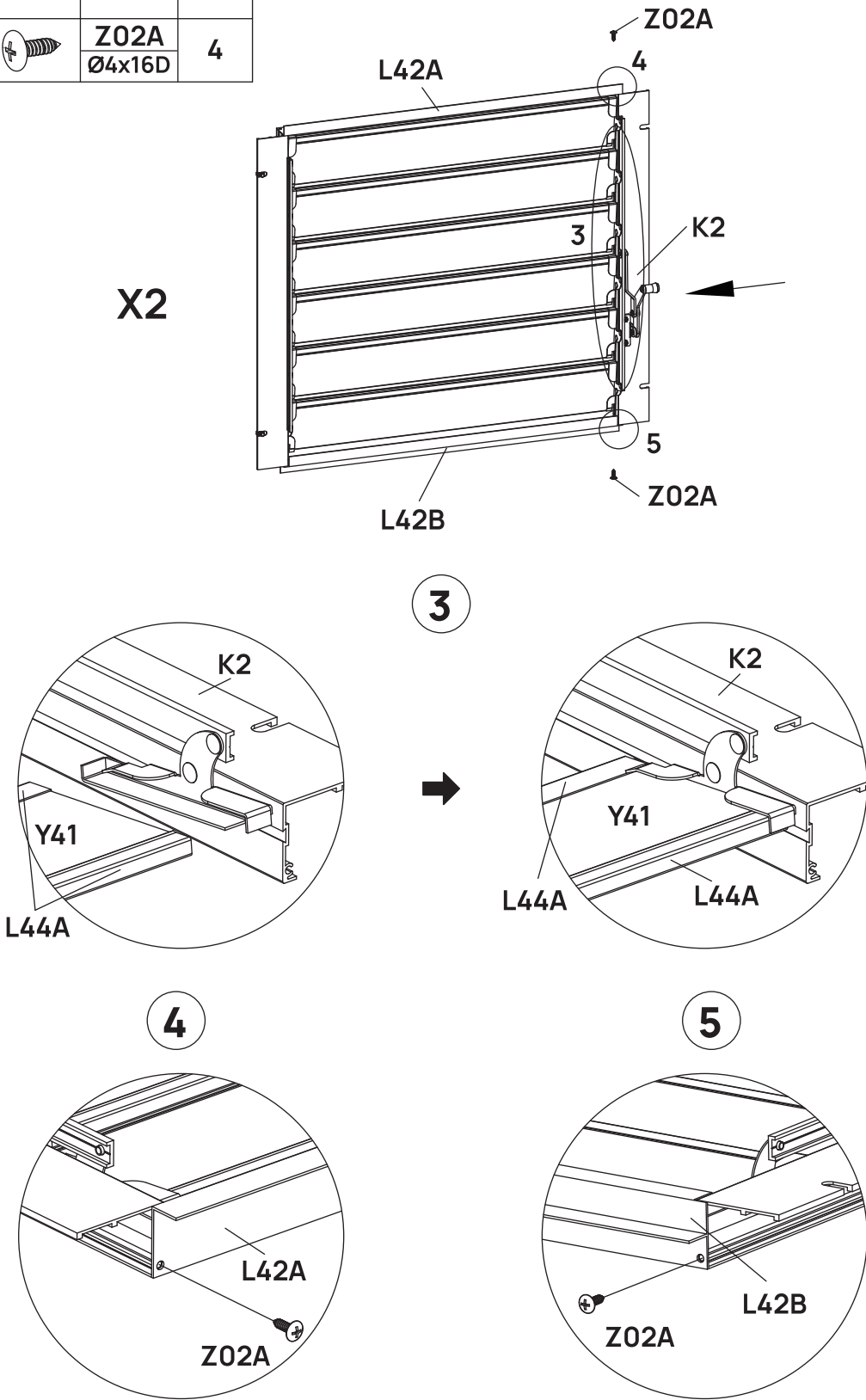
Attach the 2 sets of louvered windows in place as shown, using S94 T-bolts and M24 nuts.

BOX	PART	NO	QTY
		C2	2
PCBOX-1		S94 / M6X10	8
PCBOX-1		M24 / M6	8

L03T/L03Y

S94 x 2

C2

C2

L03T/Y

C2

S94

M24
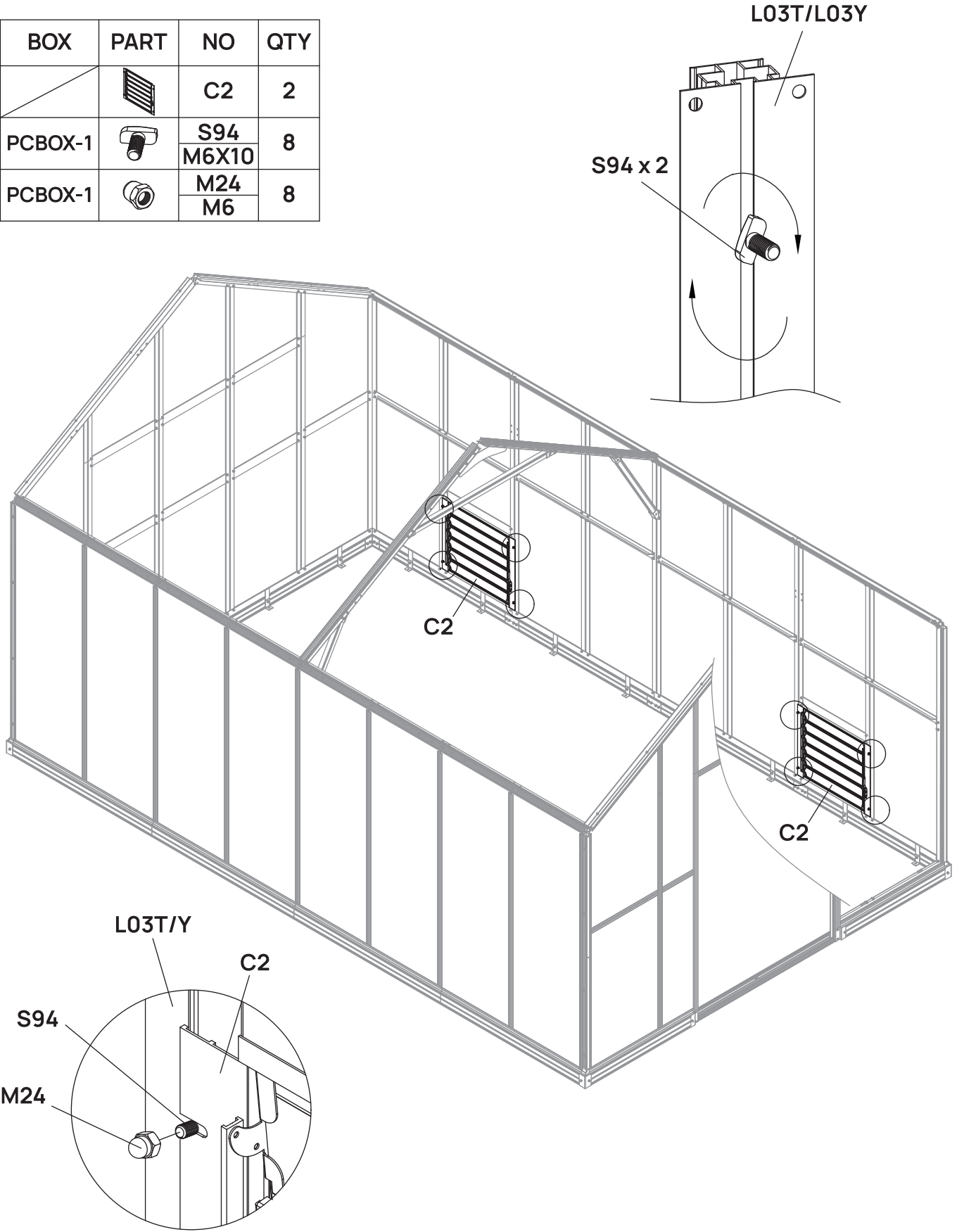
Test to make sure the louver blades could be opened and closed smoothly with the handle.
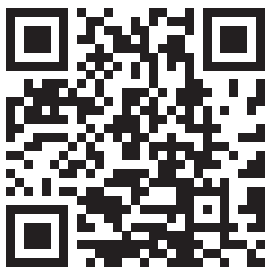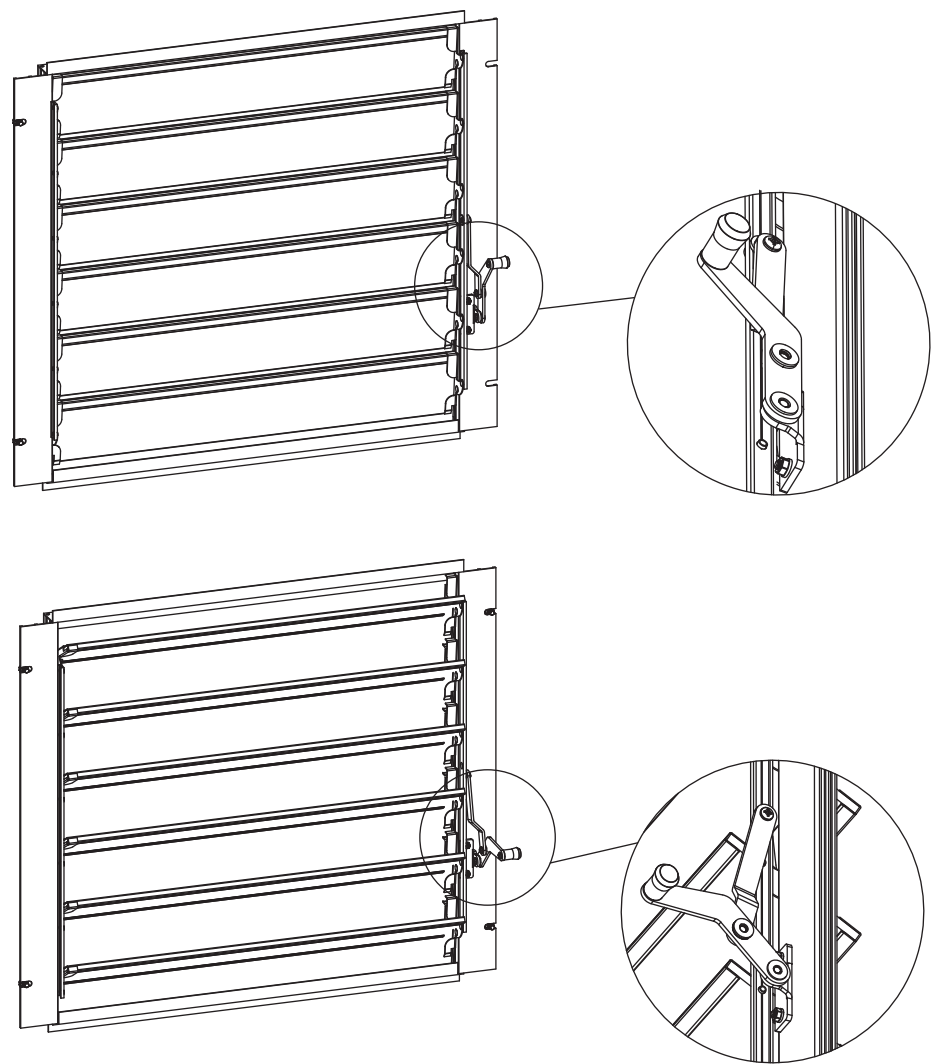
Roof Assembly

Assemble 2 sets of roof rafter pieces with D348 brackets, then attach support bars to the rafters as shown.

BOX	PART	NO	QTY
ALBOX-3		L03I	4
ALBOX-2		L05G	2
ALBOX-2		D348	4
ALBOX-2		D467	4
ALBOX-2		S03A / M6X10	40
ALBOX-2		M24 / M6	40
Pre-installed		S01A / M6X12	8

1

L03I

D348 x 2

L03I

S03A x 12

M24 x 12

68

②

L05G

D467

D467

S01A x 2

S01A x 2

S03A x 4

M24 x 4

x2
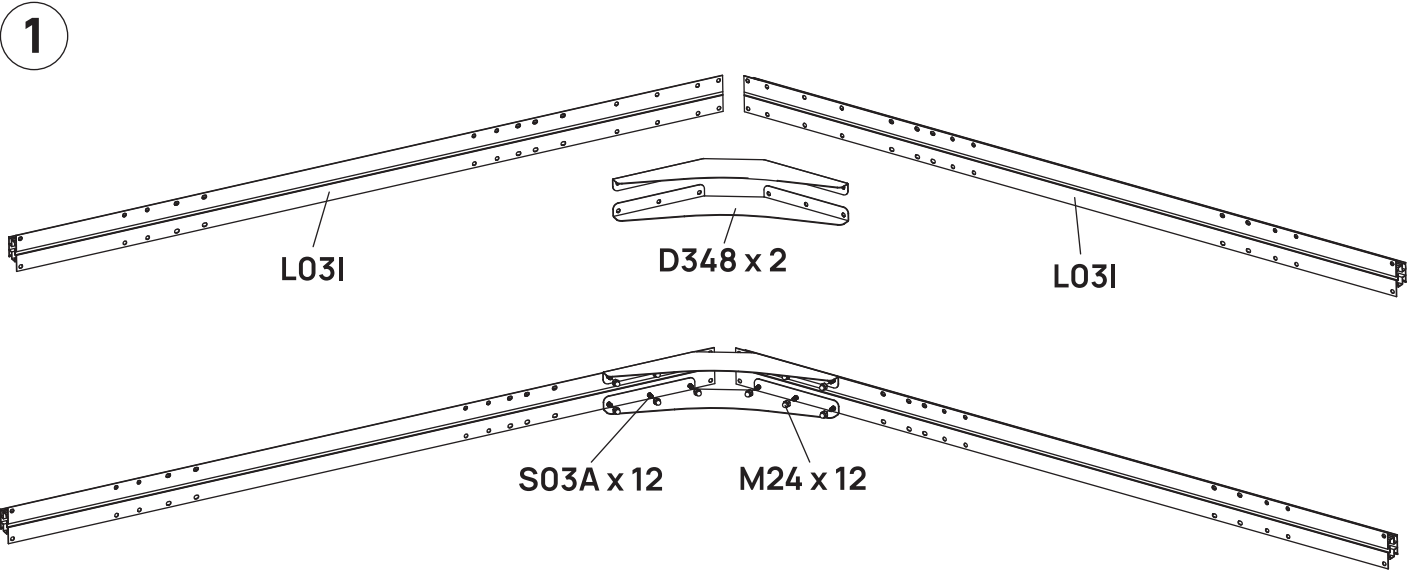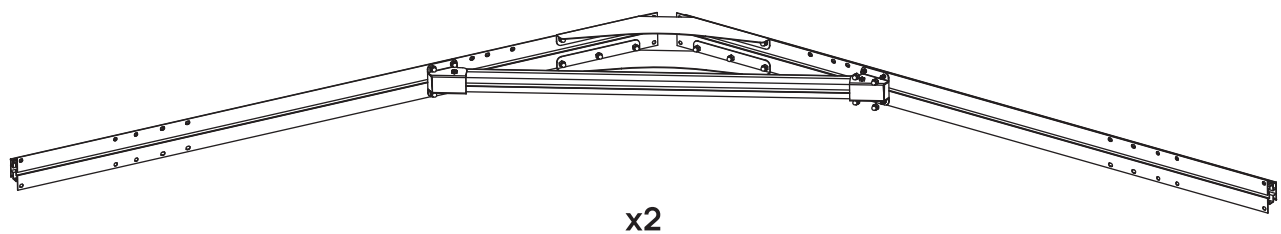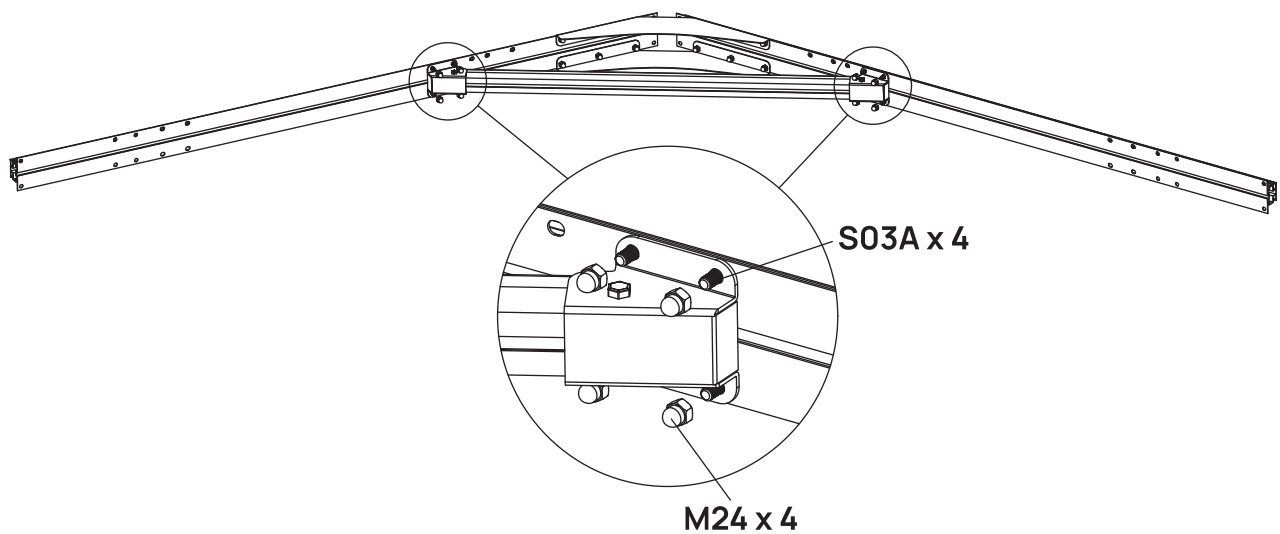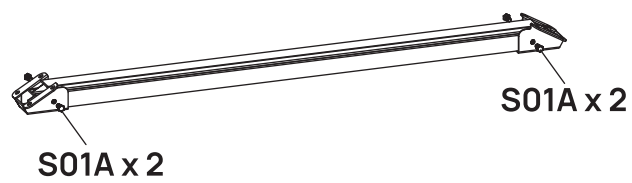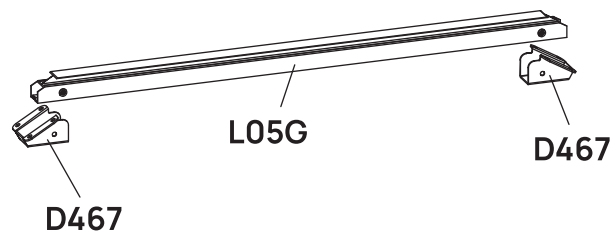
02

Attach the roof rafters to the eave frames as shown.

BOX	PART	NO	QTY
ALBOX-2		S03A	8
		M6X10	
ALBOX-2		M24	8
		M6	

① S03A x 2   L03I   L07A/B

M24 x 2
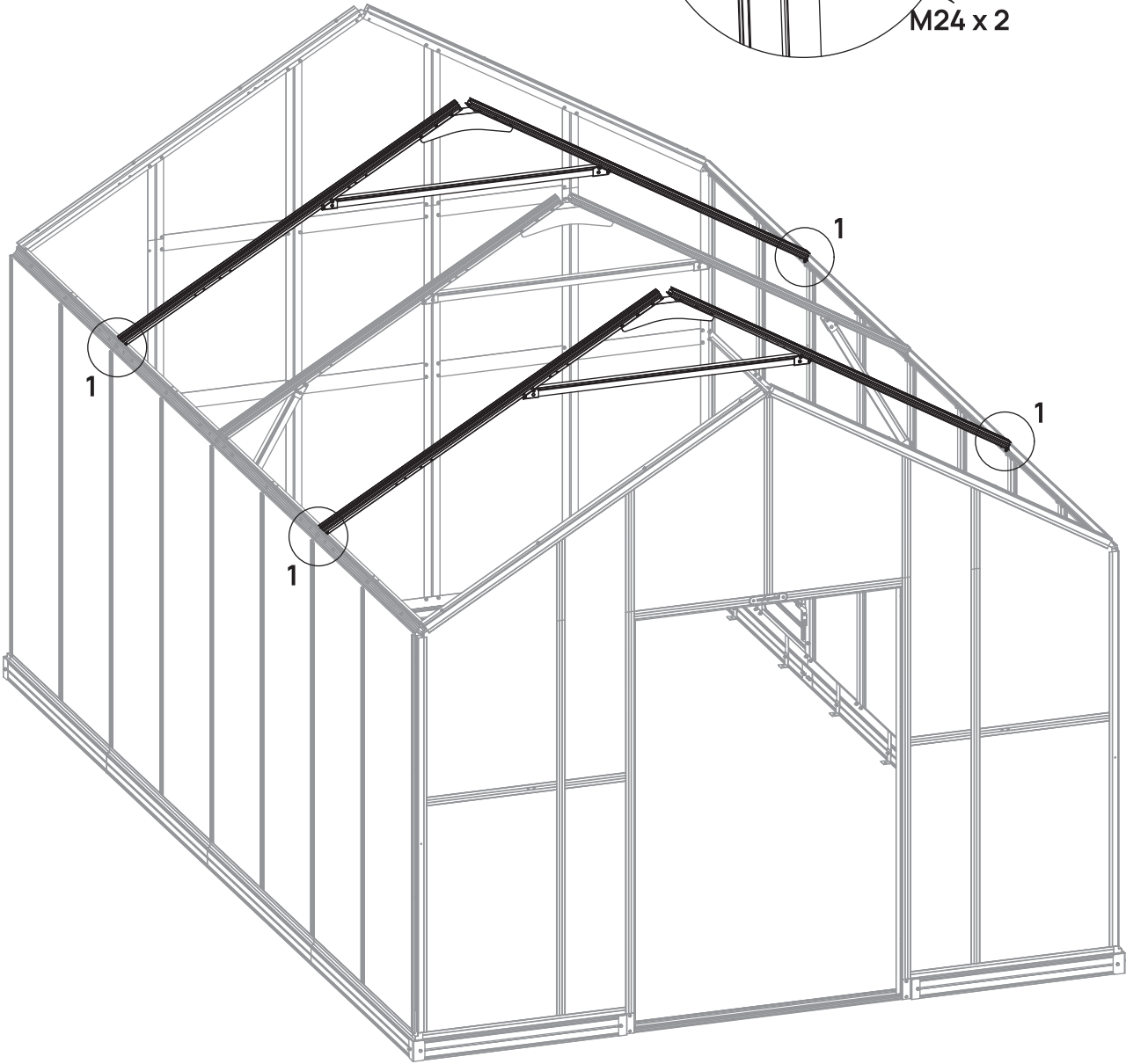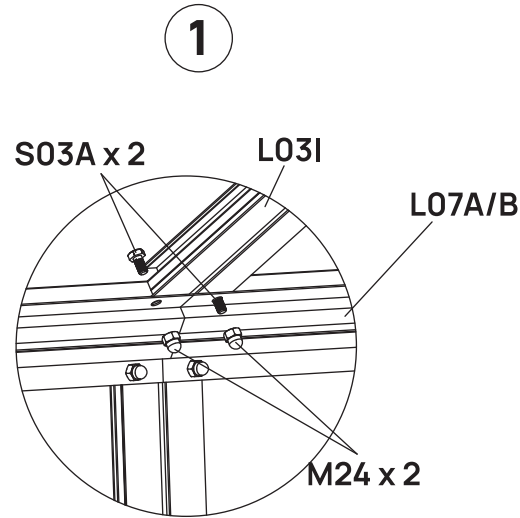
Assemble ridge frames on the roof rafters as shown.

BOX	PART	NO	QTY
ALBOX-4		L06A	4
ALBOX-2		S03A	16
		M6X10	
ALBOX-2		M24	16
		M6	

1

L06A

S03A/M24 x 2

2

L06A

L03I

L03I

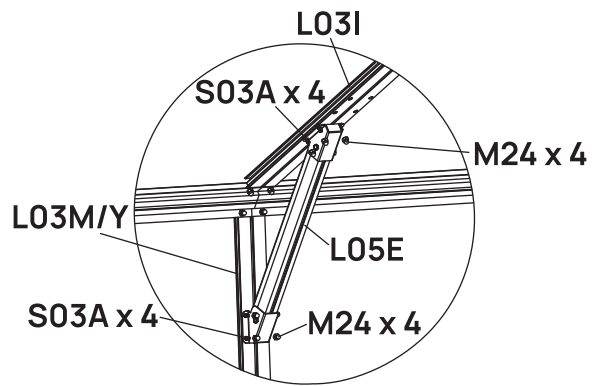S03A/M24 x 4

L06A

L06A

1

L06A

2

L06A

2

L06A

2

L06A

1
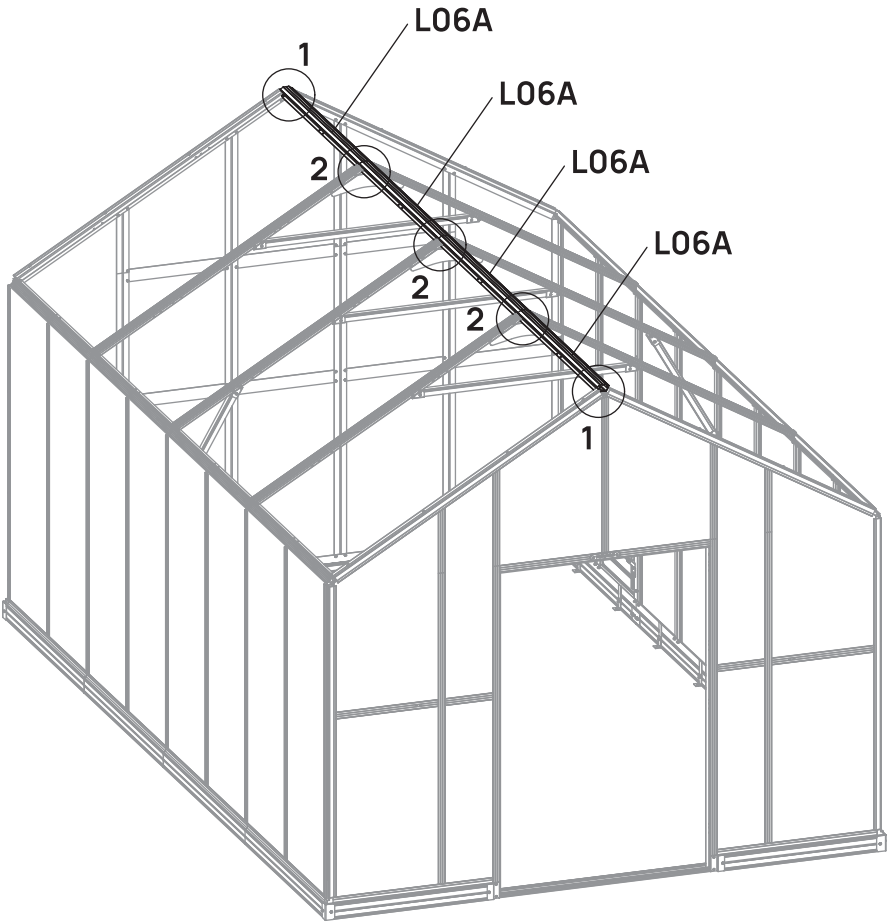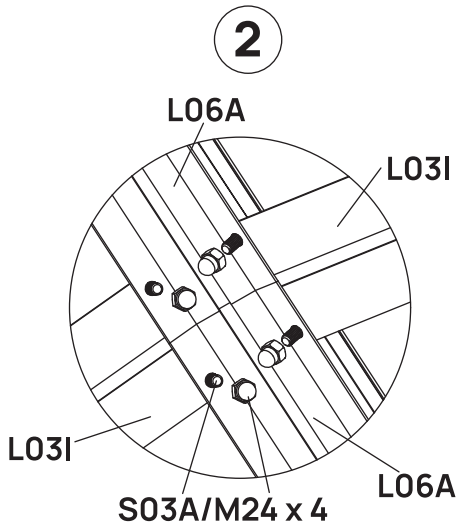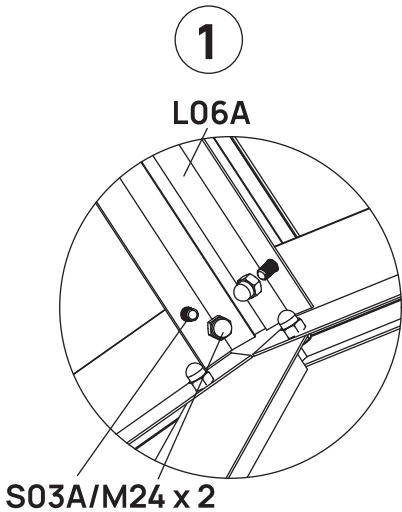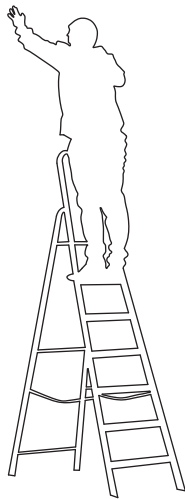
04

Assemble support braces with D467 brackets, then attach them to rafters and vertical frames as shown.
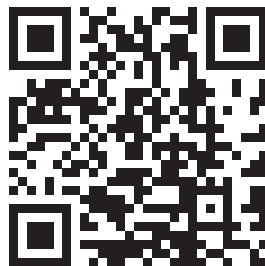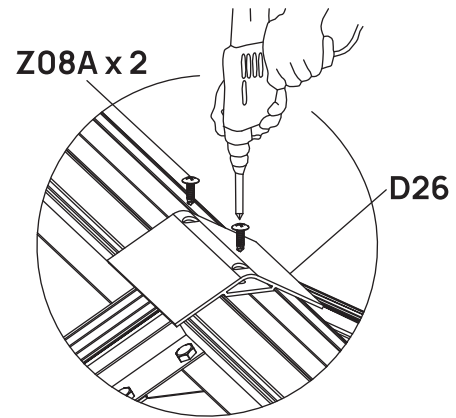
Secure the D26 ridge cap with Z08A screws to reinforce the ridge structure.

BOX	PART	NO	QTY
ALBOX-1		L05E	4
ALBOX-2		D26	3
ALBOX-2		D467	8
ALBOX-2		S03A M6X10	32
ALBOX-2		M24 M6	32
ALBOX-2		Z08A Ø4.2x16	6
Pre-installed		S01A M6X12	16

L05E

D467

D467

S01A x 2

S01A x 2

x4

2

1

L05E

2

1

L05E

L05E

2

1

L05E

L05E

1

1

L03I

S03A x 4

M24 x 4

L03M/Y

L05E

S03A x 4

M24 x 4

2

Z08A x 2

D26
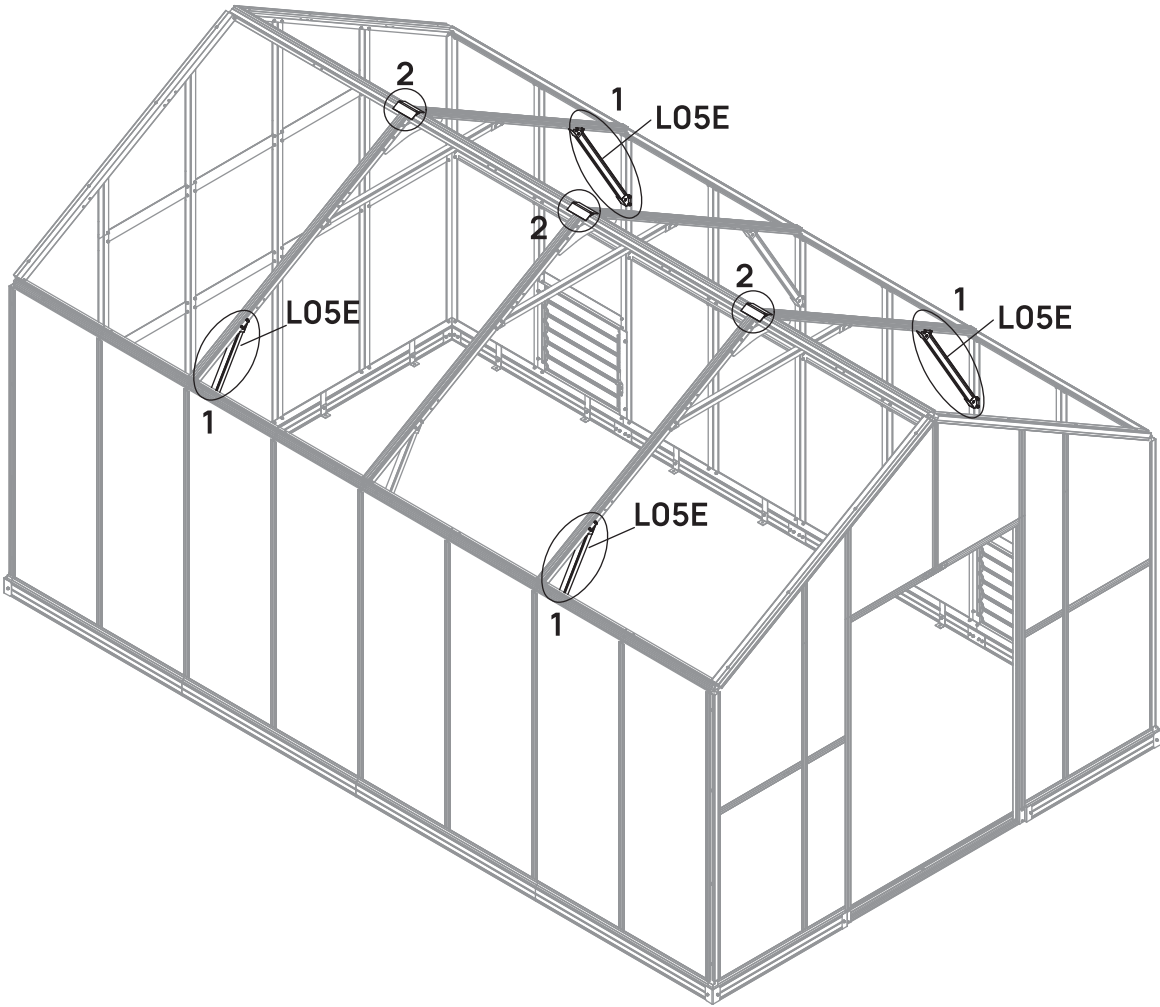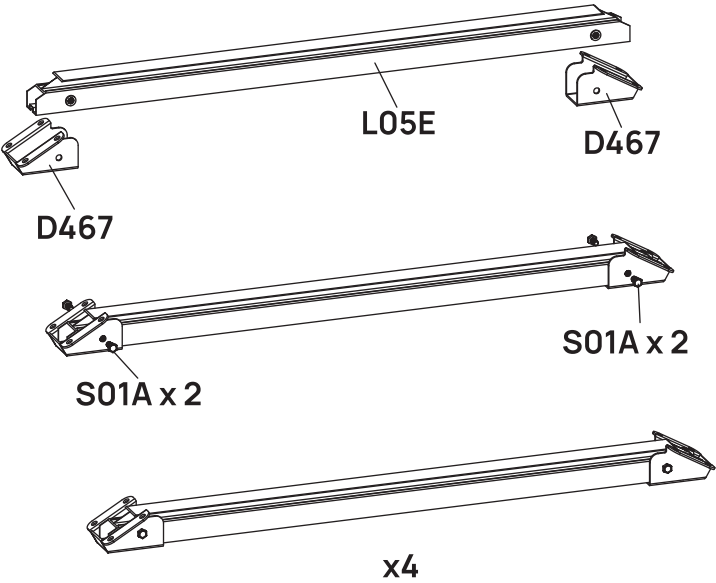
05

Assemble the rest of L03J roof rafters as shown.

| BOX	PART	NO	QTY
ALBOX-3		L03J	8
ALBOX-2		S03A / M6X10	32
ALBOX-2		M24 / M6	32
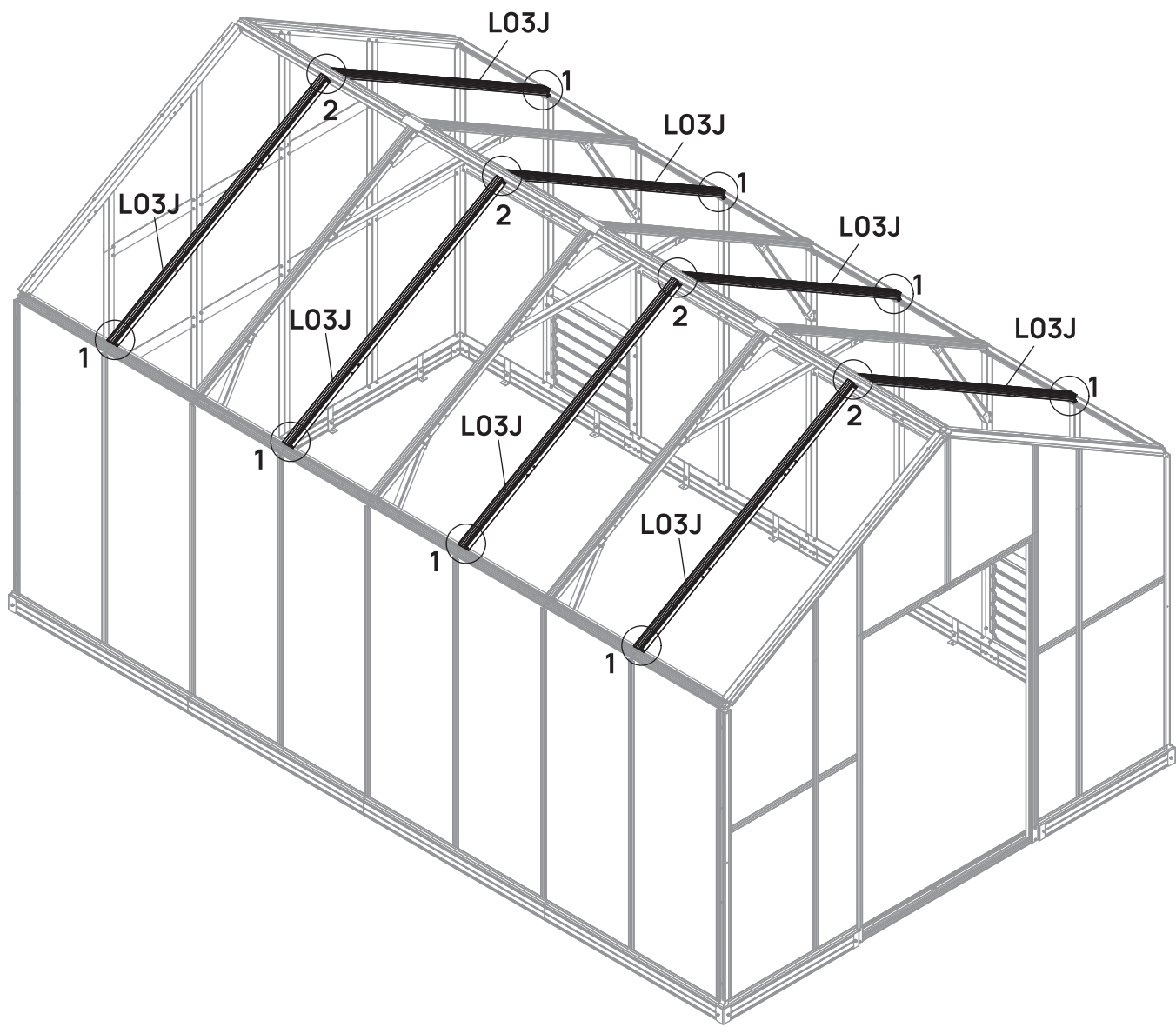
The ends of L03J with oval holes face upward.

23"

①

S03A x 2   L03J

L07B

M24 x 2

②

L03J

L03J

L06A

S03A/M24 x 4
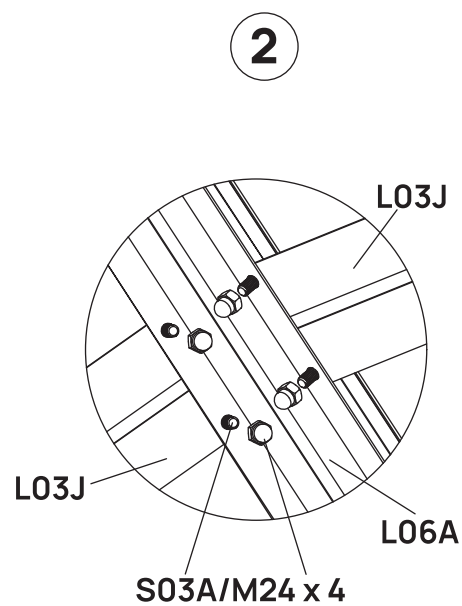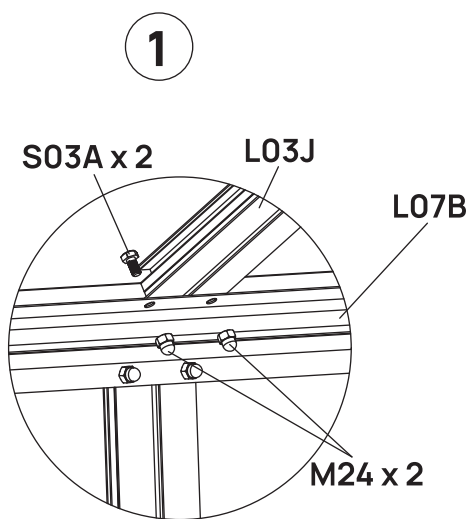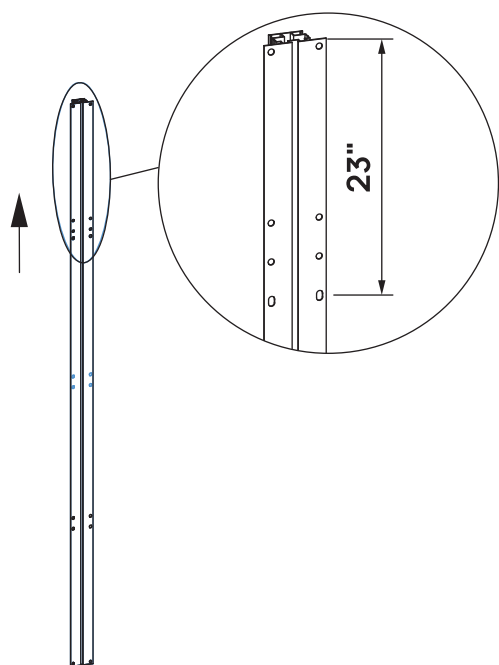
Assemble L05 roof connecting frames as shown, only securing the lower holes. The upper holes will be used for installing the vents in the following steps.

BOX	PART	NO	QTY
ALBOX-2	⊥	L05A	8
ALBOX-2	🔩	S03A M6X10	32
ALBOX-2	⬡	M24 M6	32

L01C/D

S03A

L05A

M24

(1)

S03A x 2

L05A

(2)

L03J

M24 x 2

L05A

**S03A x 2**

(3)

L05A

M24 x 2
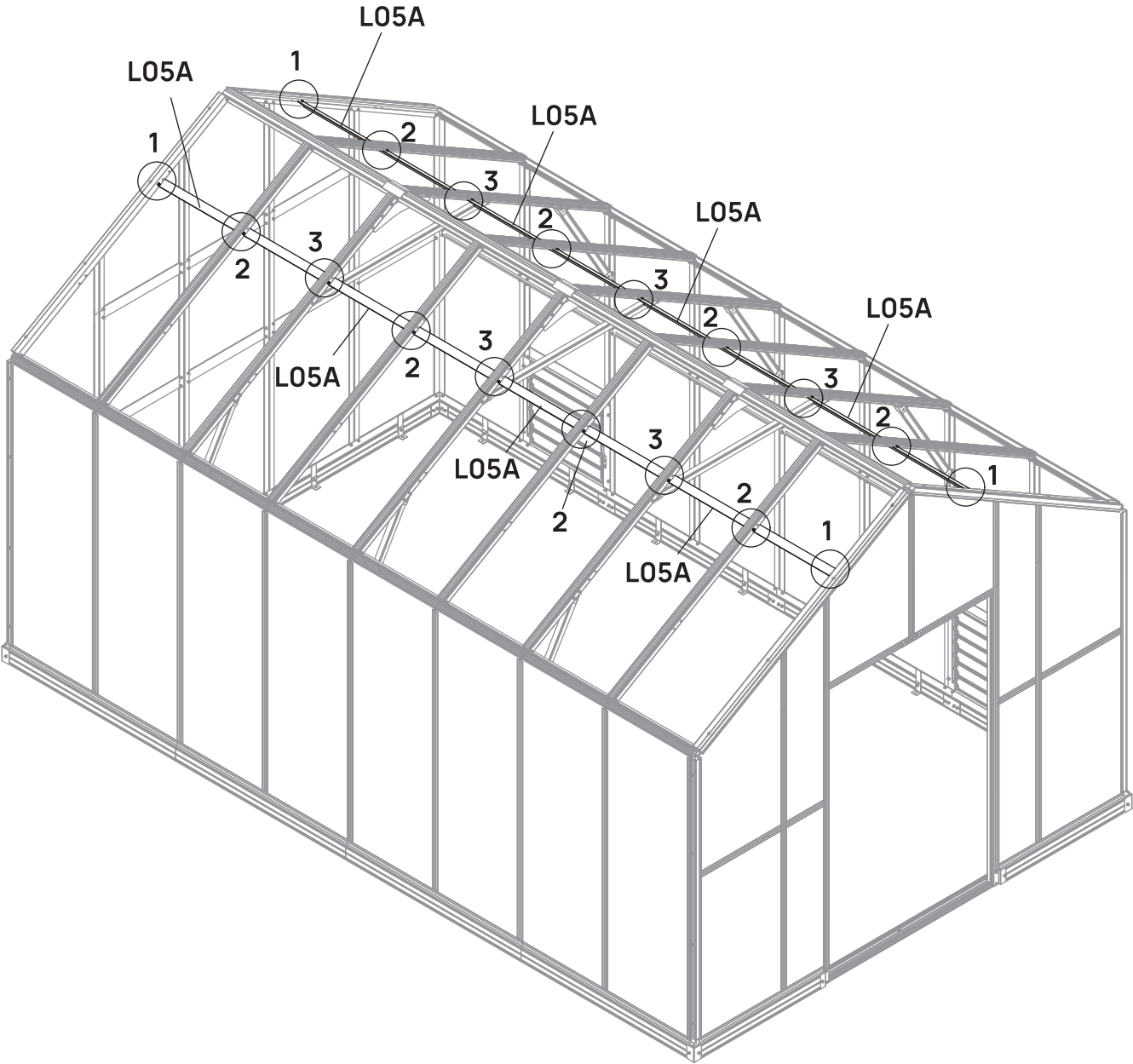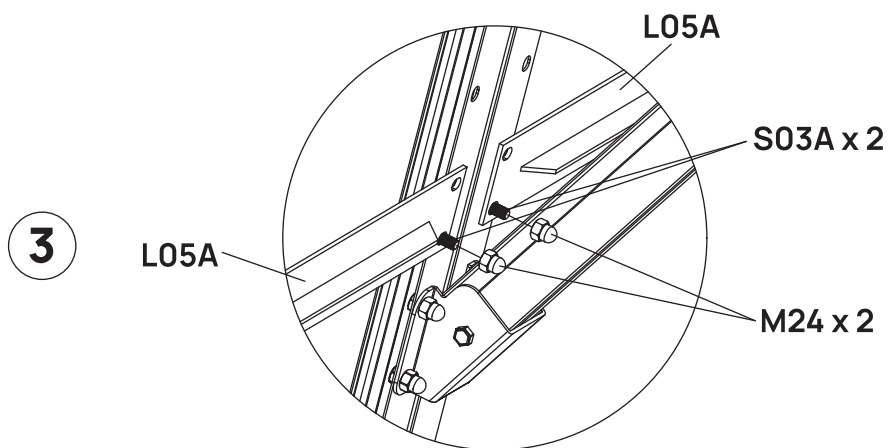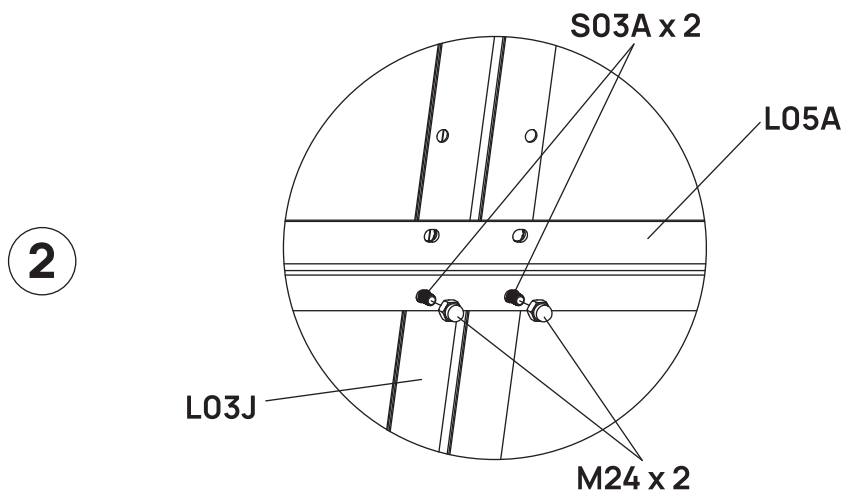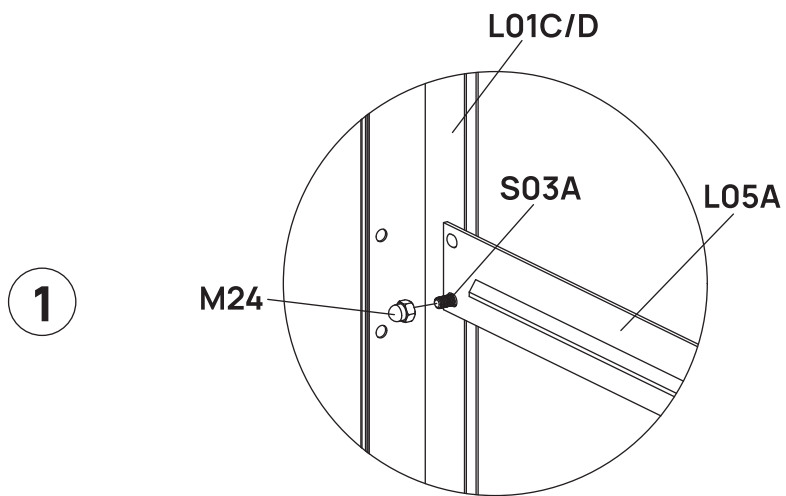
Vent Assembly

With the UV-Protected side of the PC panel facing downward, assemble the vent as shown, using Z02A screws. Make sure the profiles with weather stripping are positioned on the same side, trim any excess stripping from the ends.

BOX	PART	NO	QTY
ALBOX-1		L12A	8
ALBOX-1		L19	16
ALBOX-1		L20	8
ALBOX-1		L21	8
PCBOX-1		Y13	8
ALBOX-2		Z02A Ø4X16D	80
PCBOX-2		H158	1
GLBOX-1		H159	
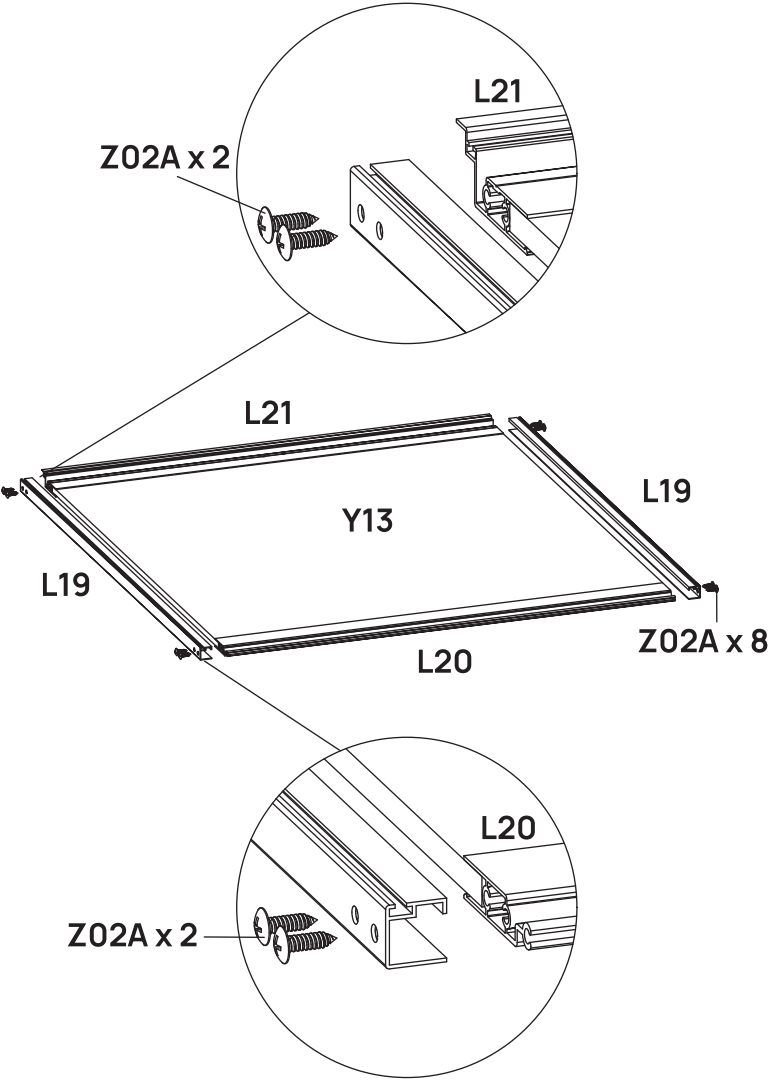
Slide L12A hinge frame onto L20 as shown. Ensure it is oriented the correct way, then secure with Z02A screws as shown.

Z02A x 2

Z02A

L12A
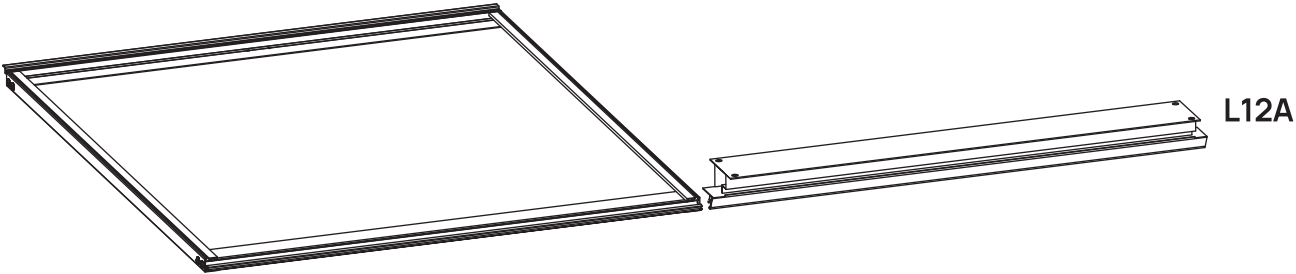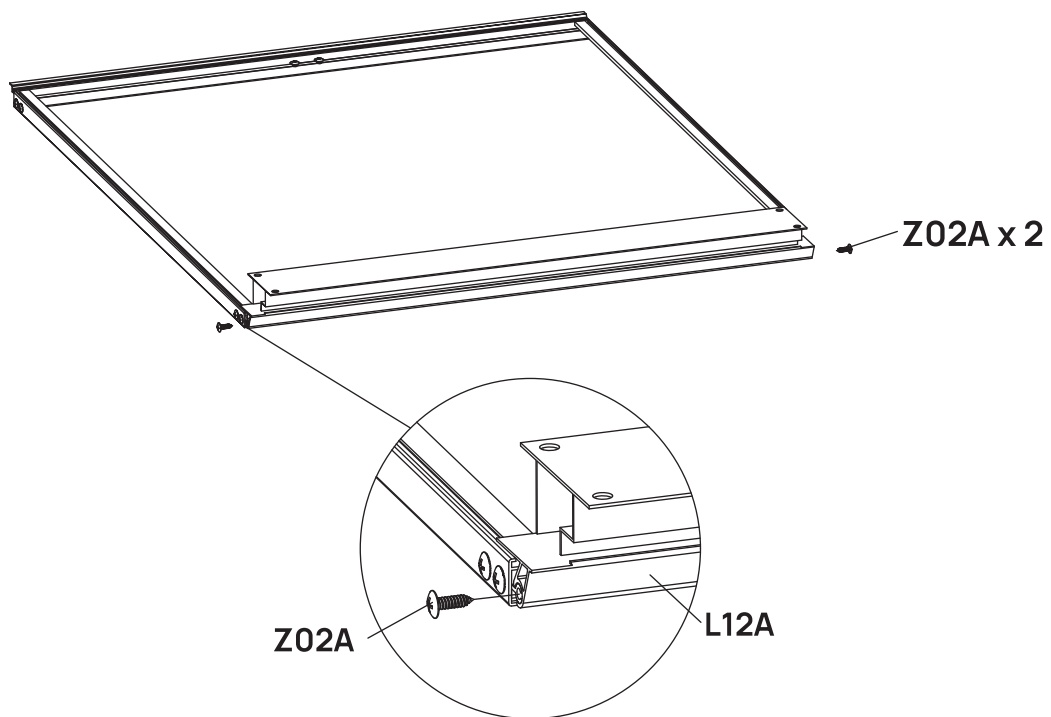
Repeat these steps to assemble a total of 8 vents. Apply silicone caulk (not provided) around all PC panels to seal.
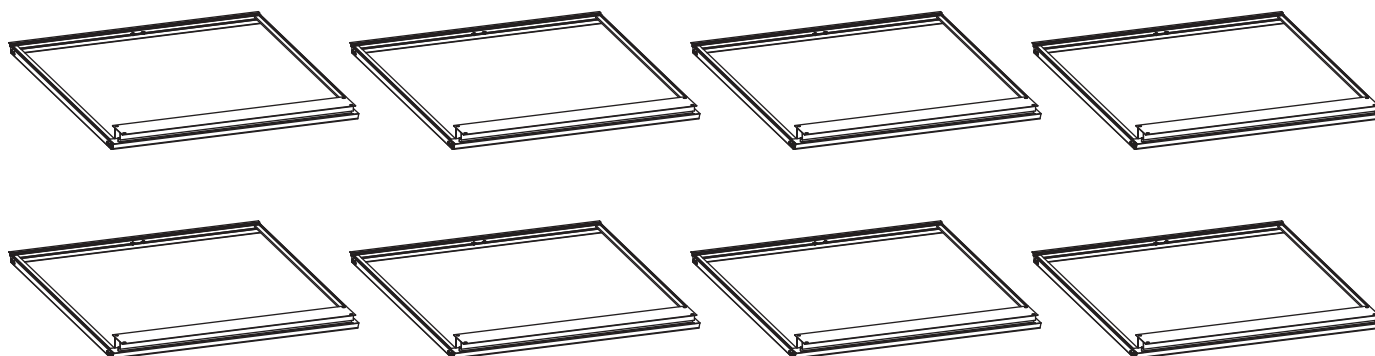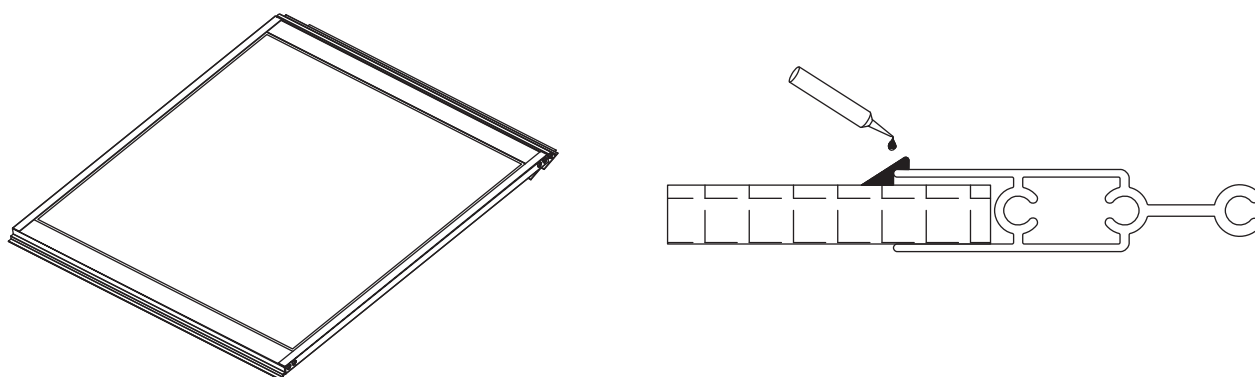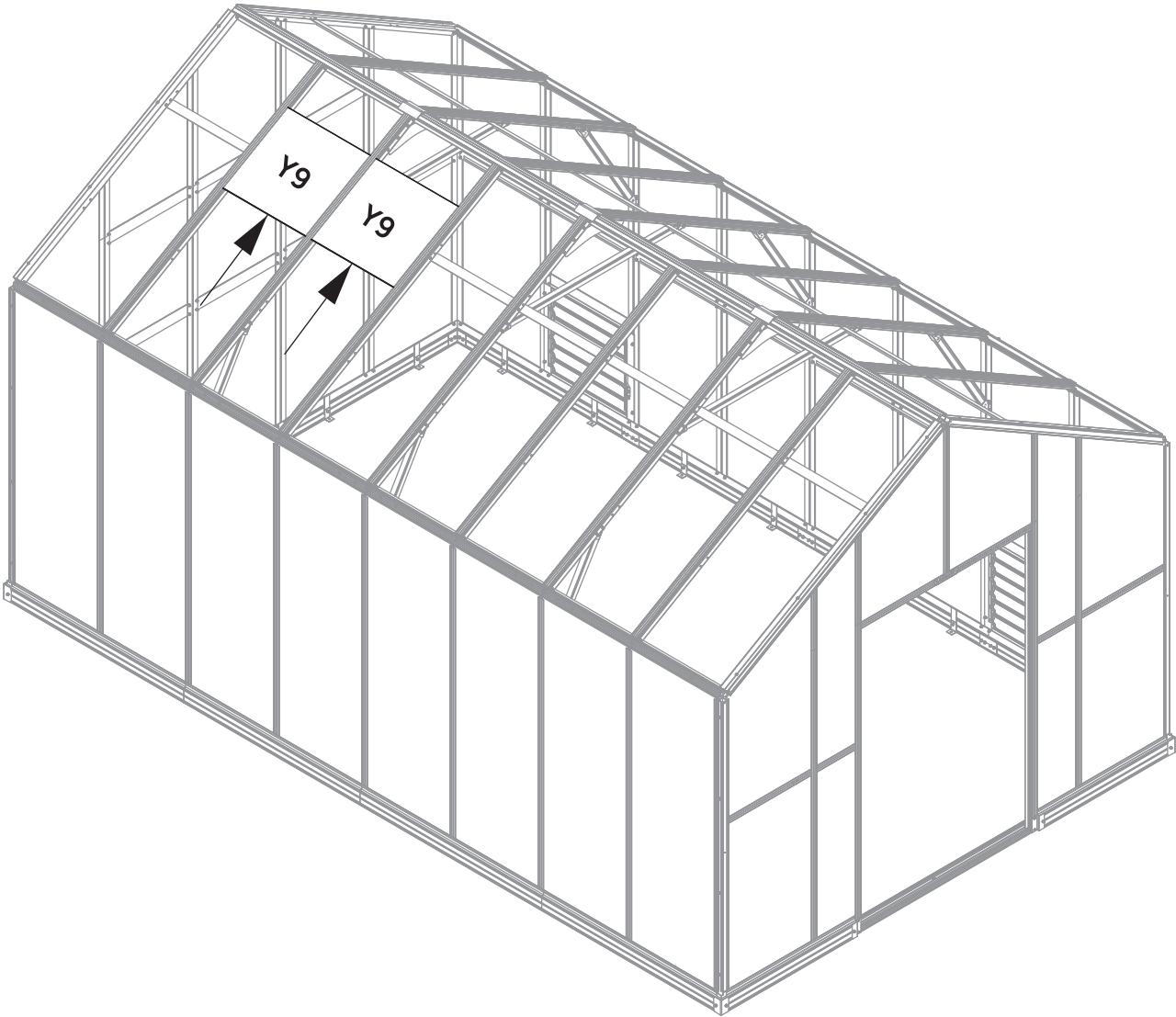

C1 x 8

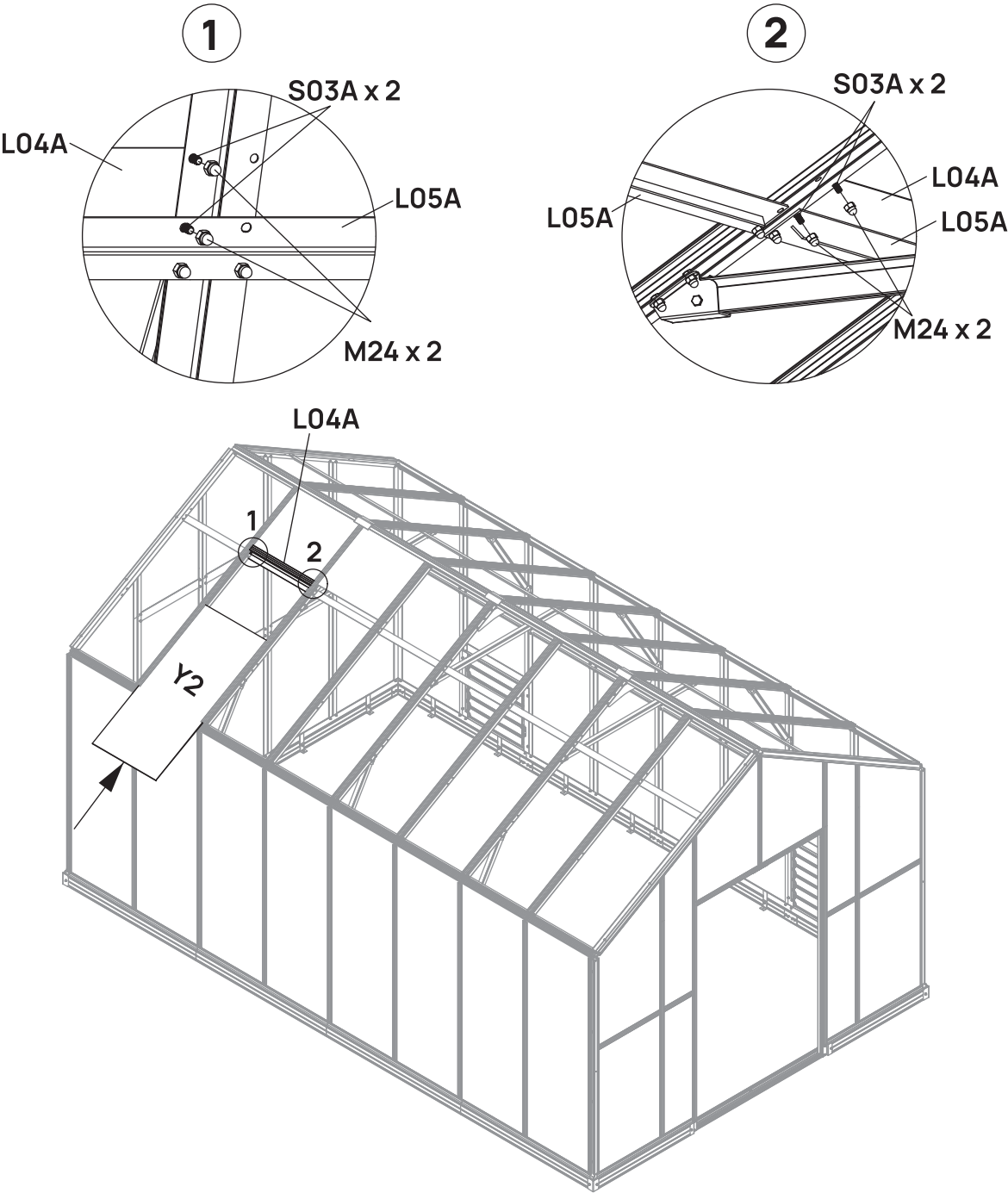Slide Y9 panels into place as shown, and secure temporarily with painter's tape.

BOX	PART	NO	QTY
PCBOX-1	□	Y9	2
PCBOX-2	⊚	H158	1
GLBOX-1		H159	

Painter's tape

Install one L04A frame as shown, then slide one Y2 panel into place.

BOX	PART	NO	QTY
PCBOX-1		Y2	1
ALBOX-1		L04A	1
ALBOX-2		S03A M6X10	4
ALBOX-2		M24 M6	4

1

S03A x 2

L04A

L05A

M24 x 2

2

S03A x 2

L05A

L04A

L05A

M24 x 2

L04A

1

2

Y2

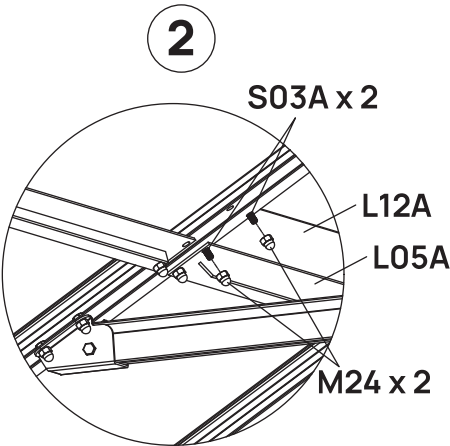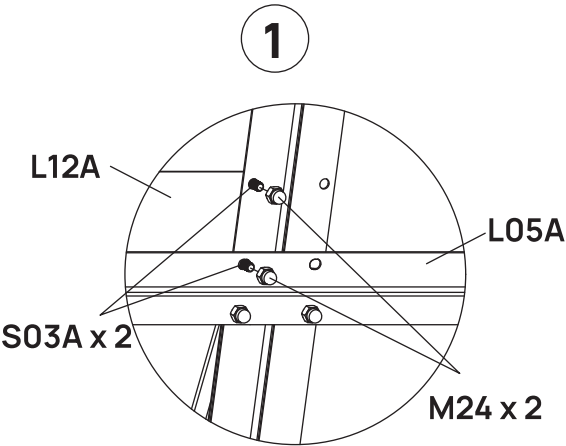Apply silicone caulk (not included) around PC panels to seal as shown.
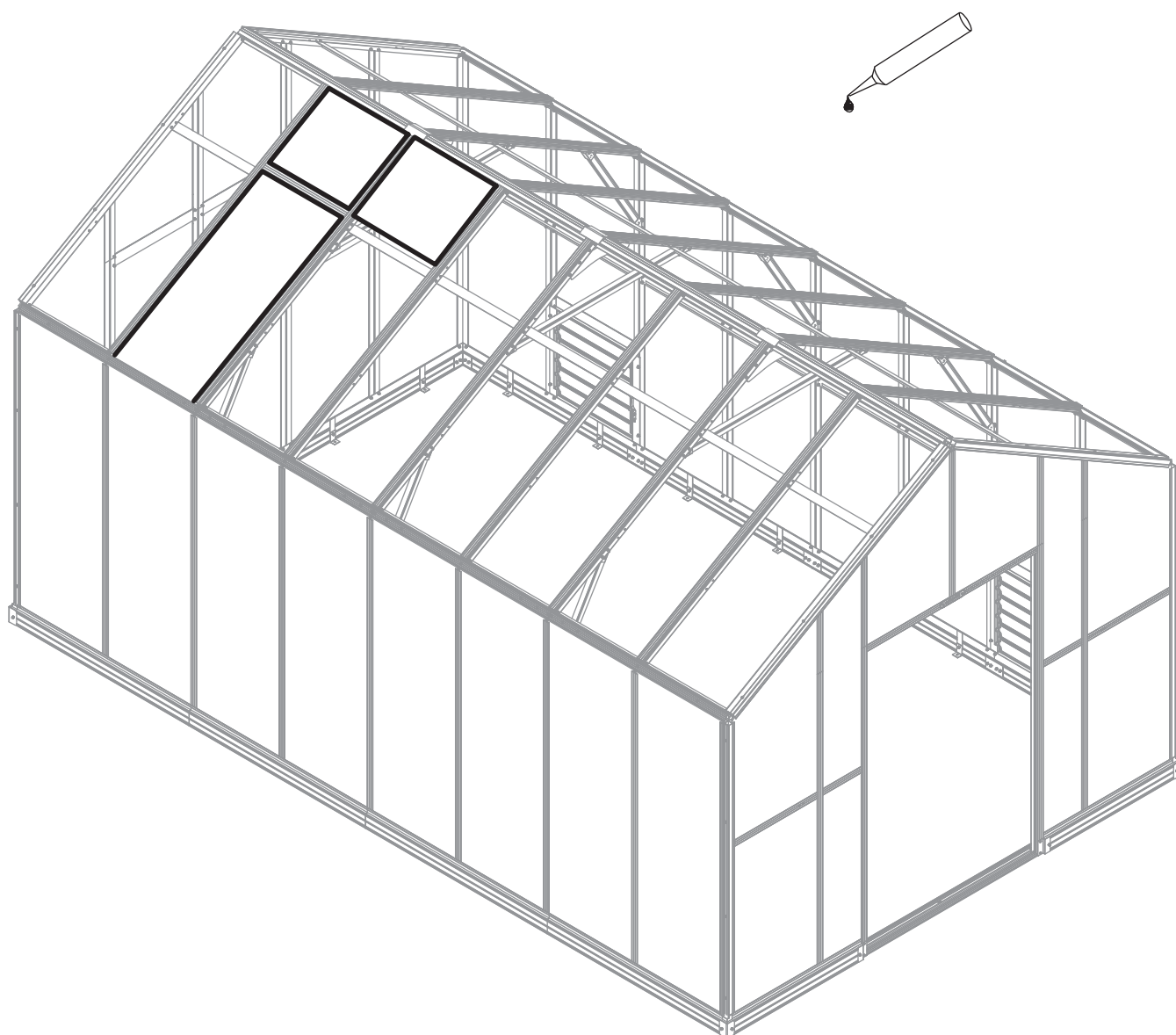
Attach vents to the roof as shown in diagram.

BOX	PART	NO	QTY
		C1	1
ALBOX-2		S03A	4
		M6X10	
ALBOX-2		M24	4
		M6	

1

L12A

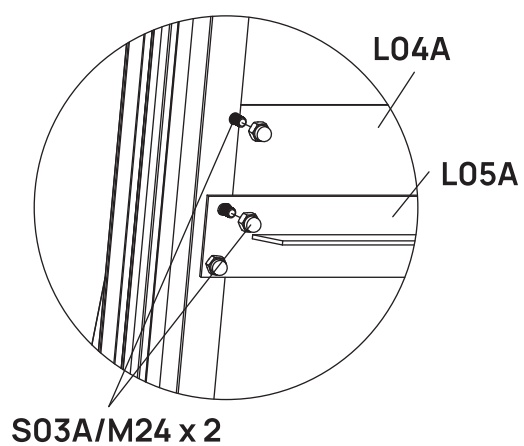L05A

S03A x 2

M24 x 2

2

S03A x 2

L12A

L05A

M24 x 2

C1

2

1
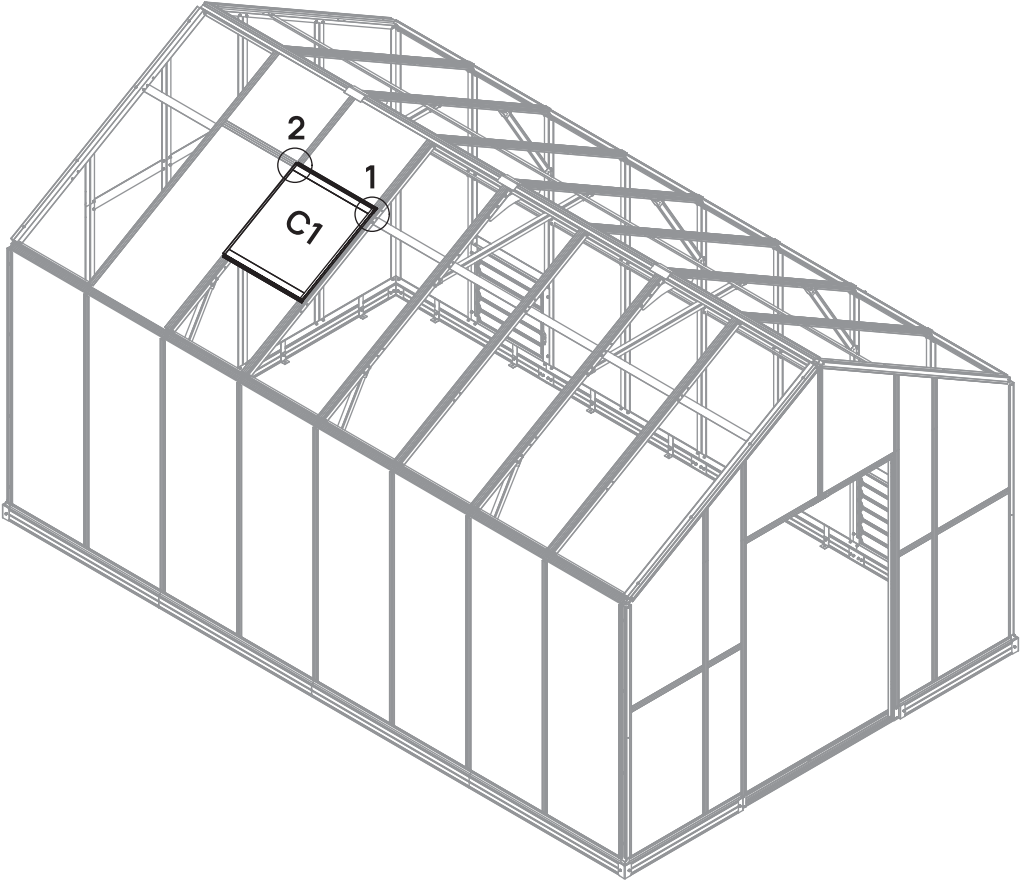
Repeat the previous steps to install the rest of panels, L04A frames and vents on one side of the roof. Apply silicone caulk (not included) around PC panels to seal.
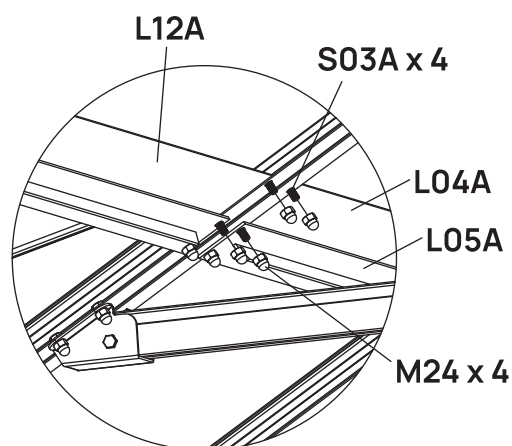
BOX	PART	NO	QTY
PCBOX-1		Y9	10
PCBOX-1		Y2	5
ALBOX-1		L04A	7
		C1	5
ALBOX-2		S03A M6X10	48
ALBOX-2		M24 M6	48
PCBOX-2		H158	1
GLBOX-1		H159	

1

L04A

L05A

S03A/M24 x 2

2

L12A

S03A x 4

L04A

L05A

M24 x 4

3

L12A

S03A x 4

L04A

L05A

M24 x 4

4

S03A x 2

L04A

L05A

M24 x 2
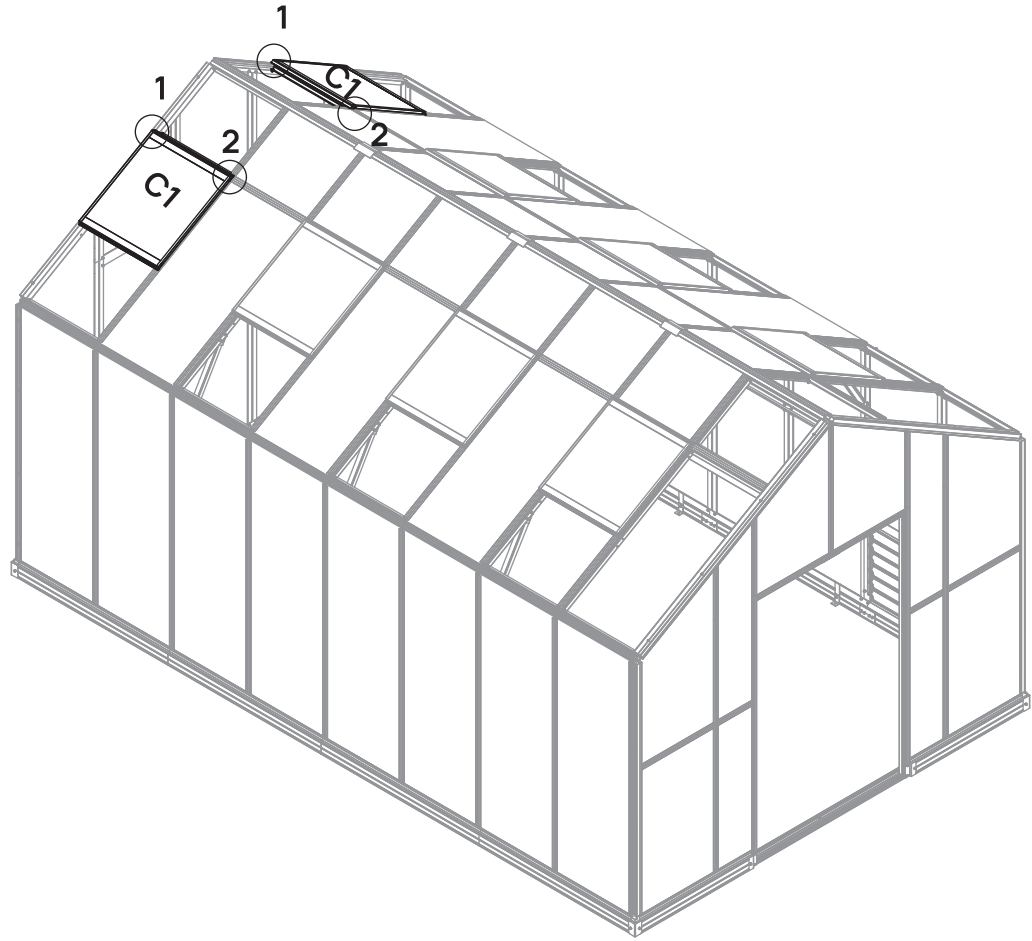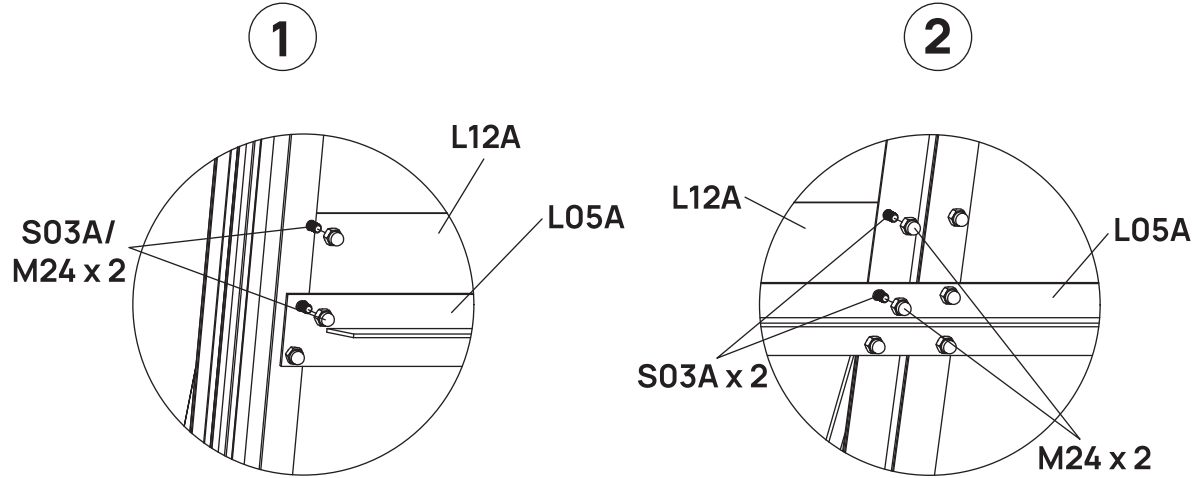
5

S03A x 2

L04A

L05A

M24 x 2
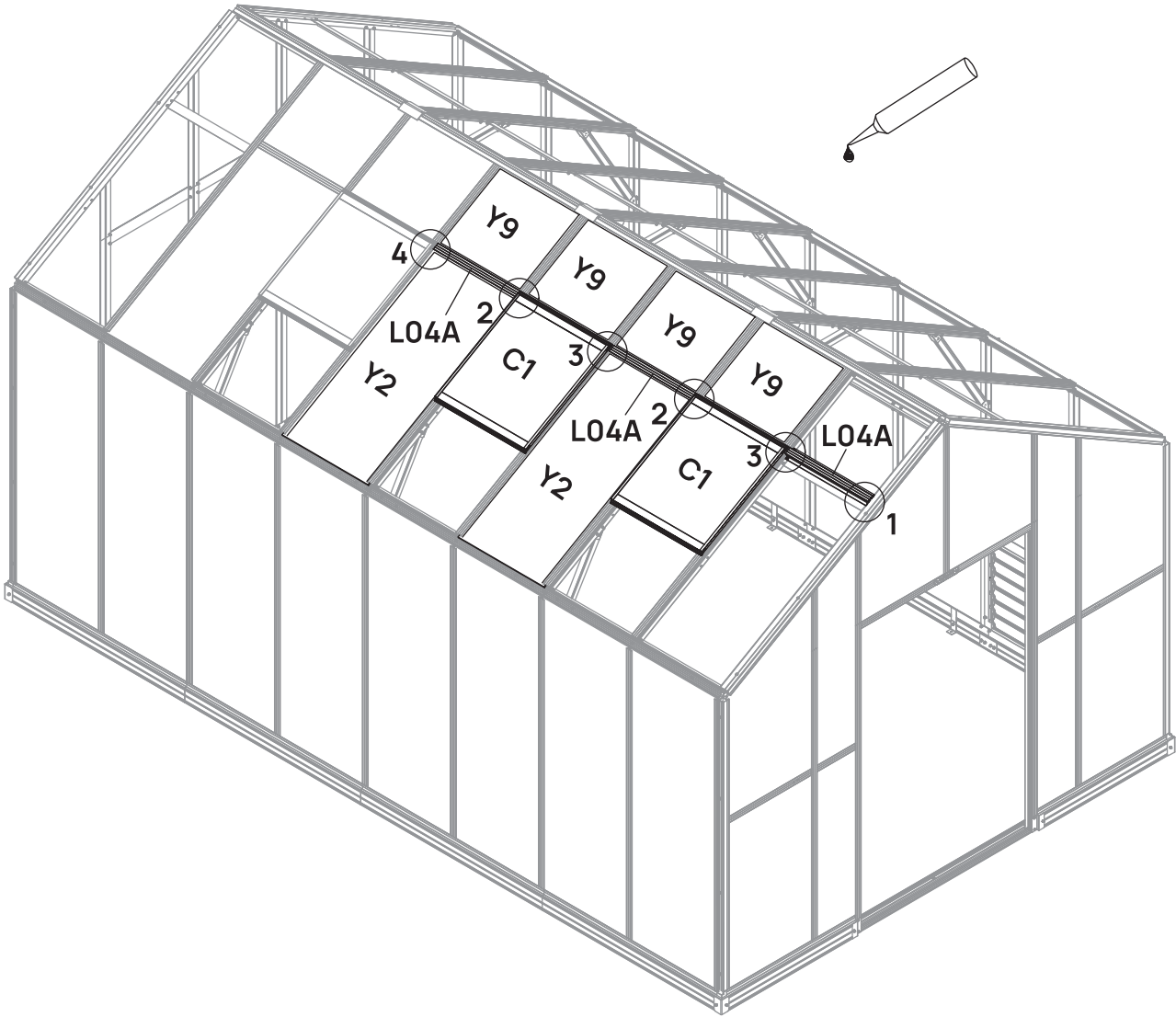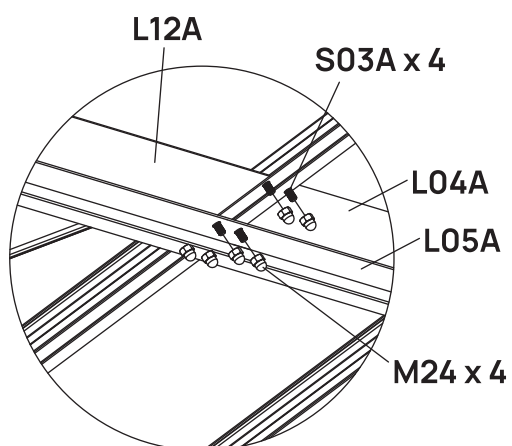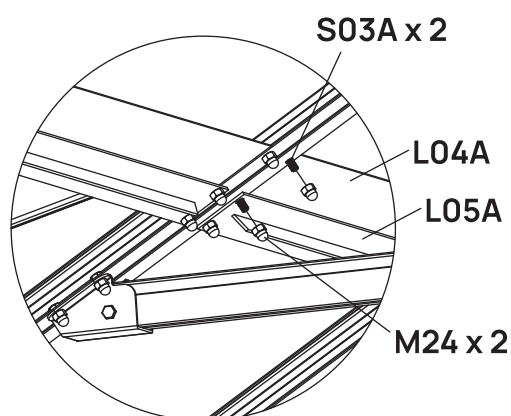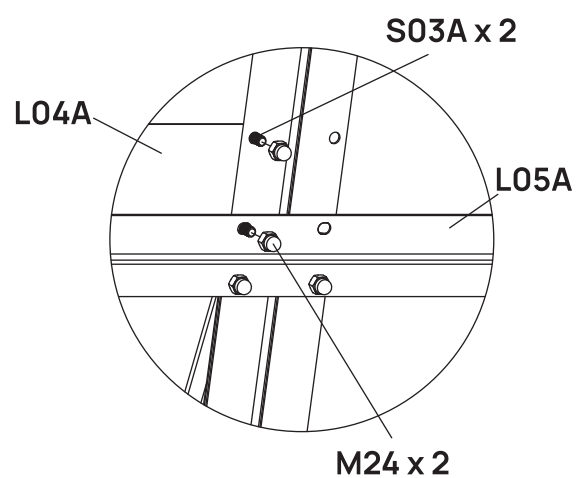
Install the panels and vents on the other side of the roof.
Apply silicone caulk (not included) around PC panels to seal.
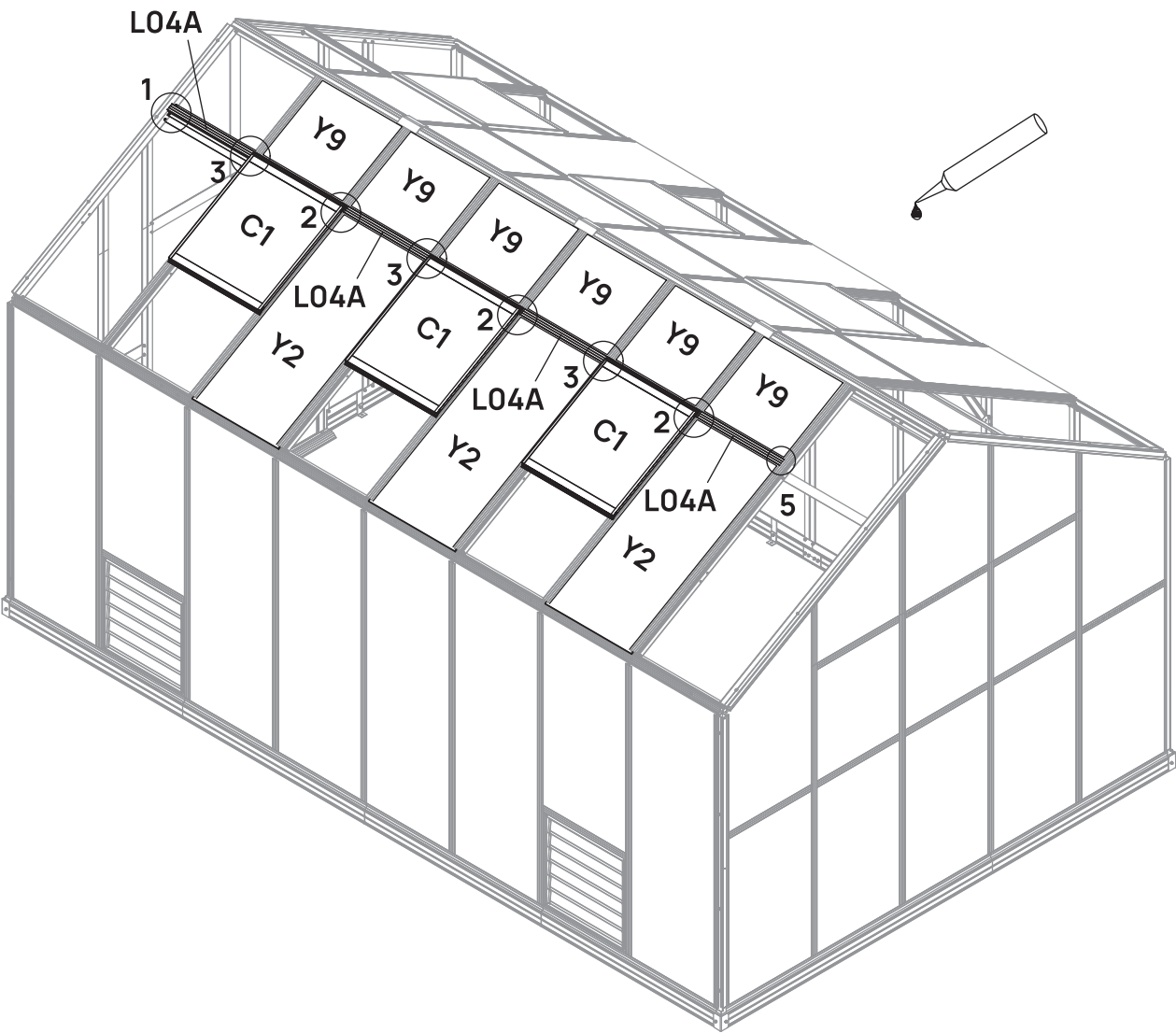
Attach the last two vents on both sides of the roof as shown.

BOX	PART	NO	QTY
		C1	2
ALBOX-2		S03A	8
		M6X10	
ALBOX-2		M24	8
		M6	

1

L12A

S03A/
M24 x 2

L05A

2

L12A

S03A x 2

L05A

M24 x 2

Install the vent support frames and manual vent openers as shown.

| BOX	PART	NO	QTY
ALBOX-1		L04I	8
ALBOX-1		A111	8
Pre-installed		S26A / M5X12	16
ALBOX-2		S03A / M6X10	32
ALBOX-2		M24 / M6	32
ALBOX-2		Z19A / M4.2X10	16

① S03A/M24 x 2
L04I

2

L04I

S03A/M24 x 2

3

Z19A x 2

L21

L04I

S26A x 2
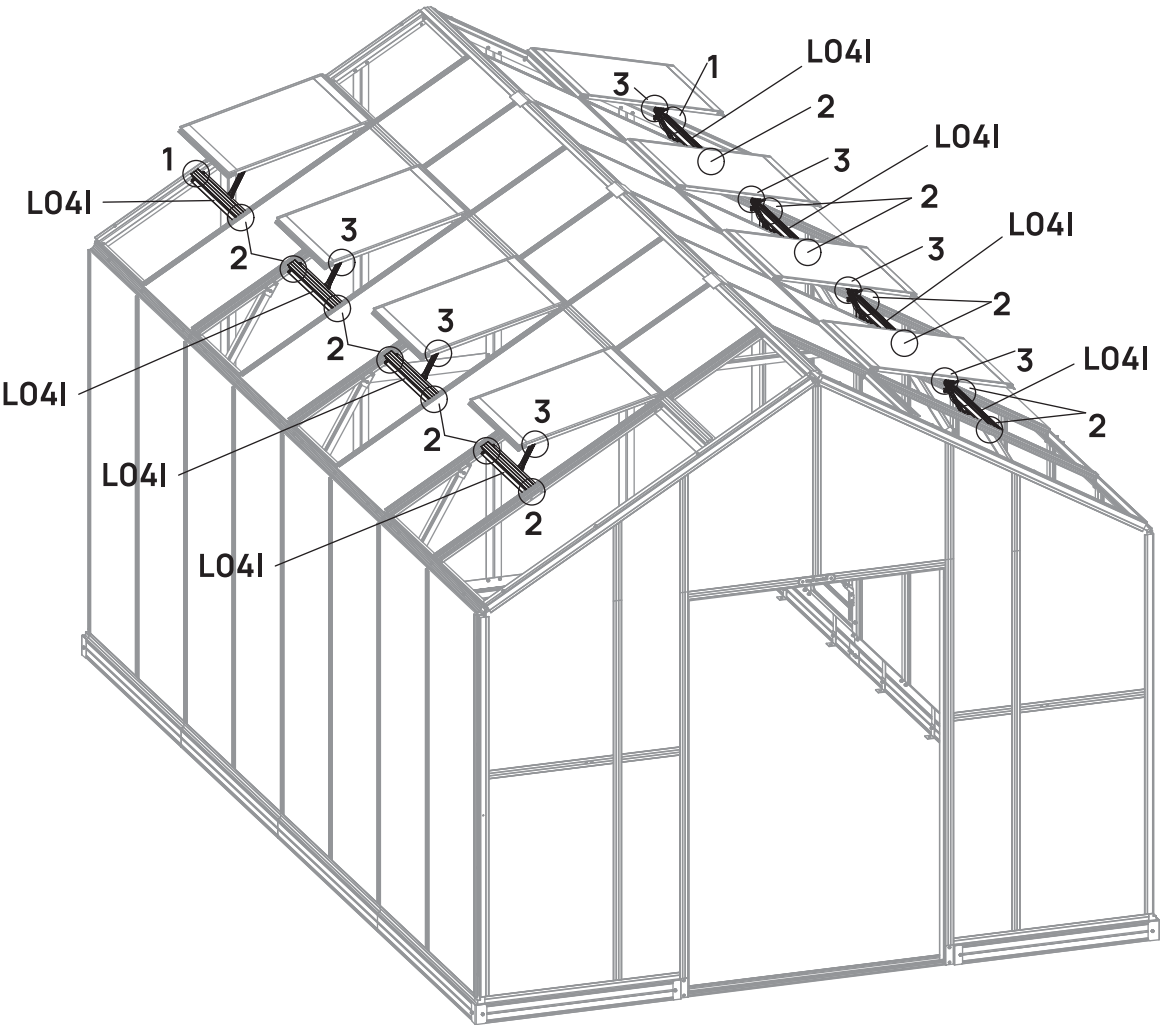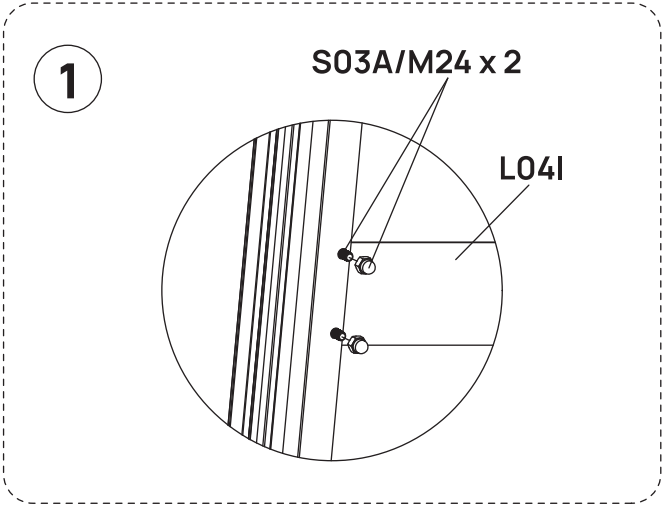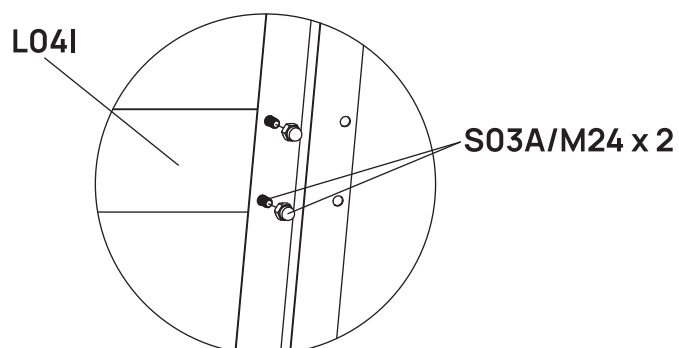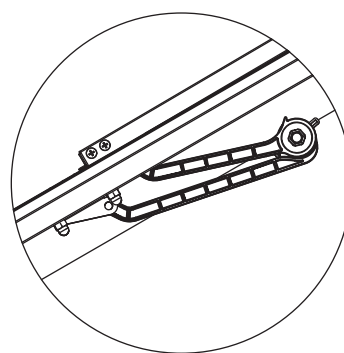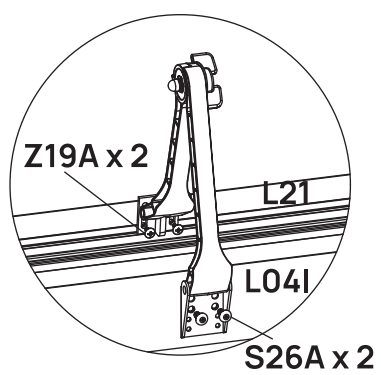
Insert the last Y9 and Y2 panels as shown.

BOX	PART	NO	QTY
PCBOX-1	☐	Y2	2
PCBOX-1	☐	Y9	12
PCBOX-2	◎	H158	1
GLBOX-1		H159	
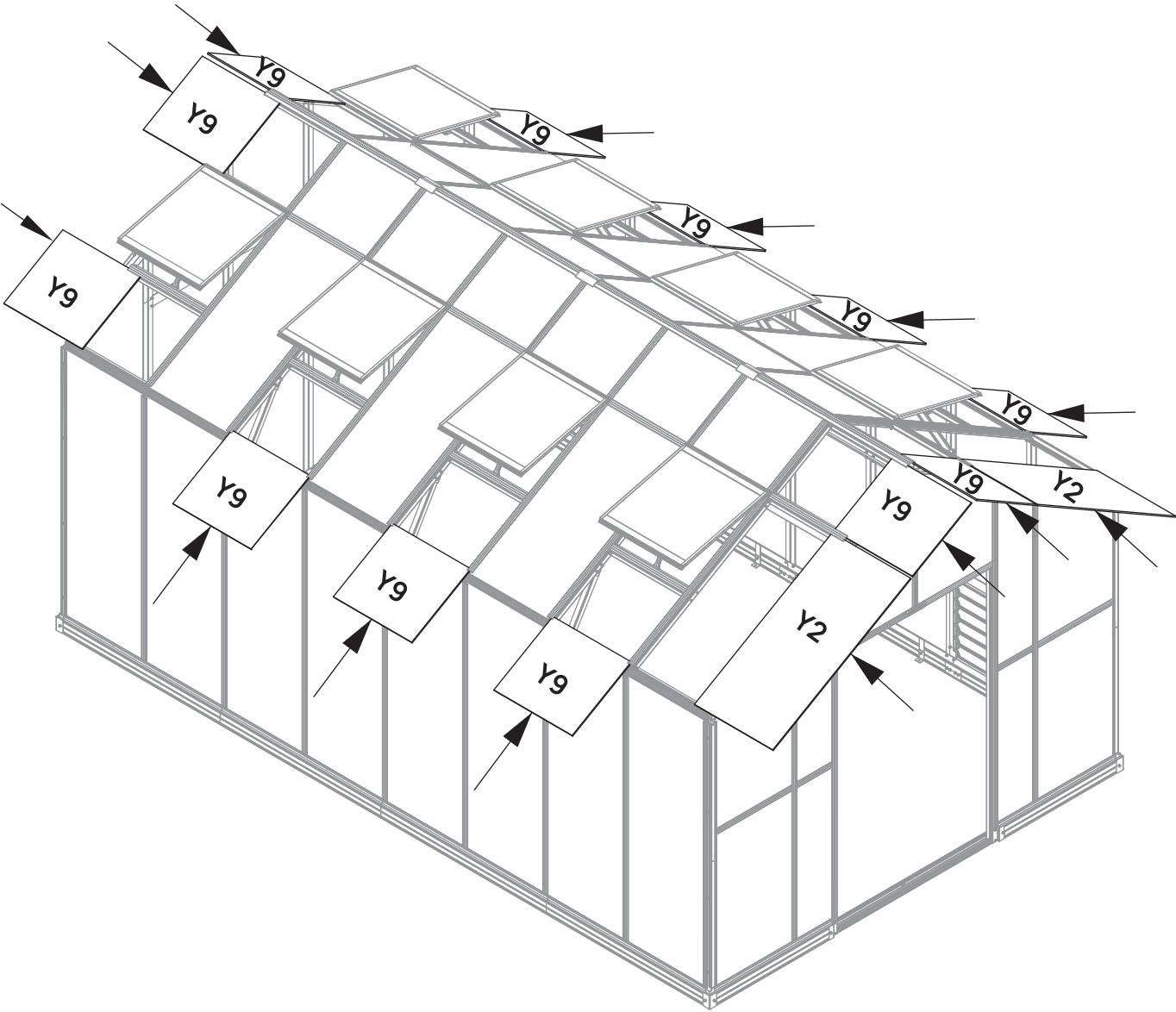
10

Remove the pre-installed S21A bolts from the front and back L01 gable frames.

BOX	PART	NO	QTY
ALBOX-3	⌐‾⌐	L10D	4
Pre-installed	(screw)	S21A M6X10	16
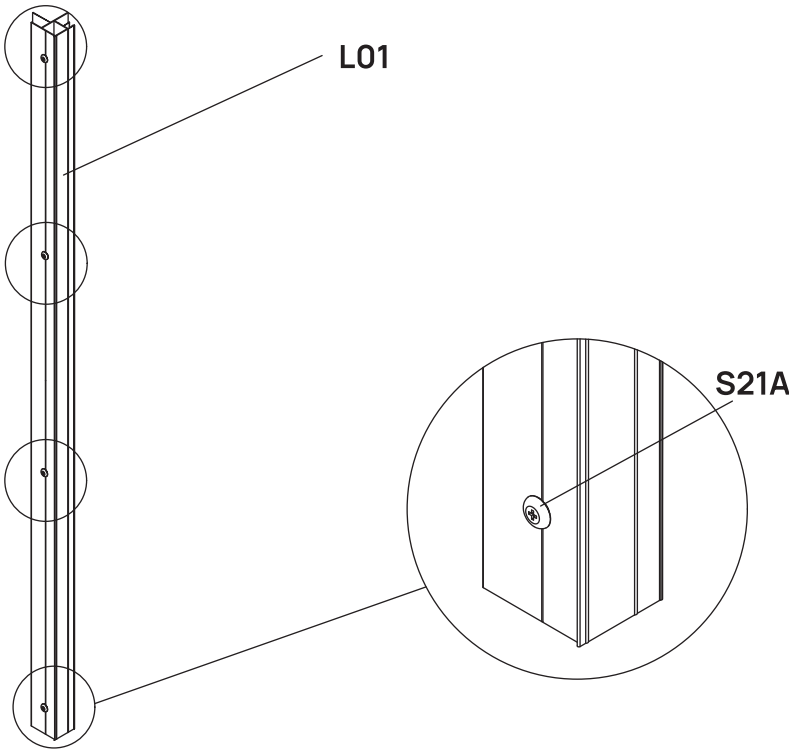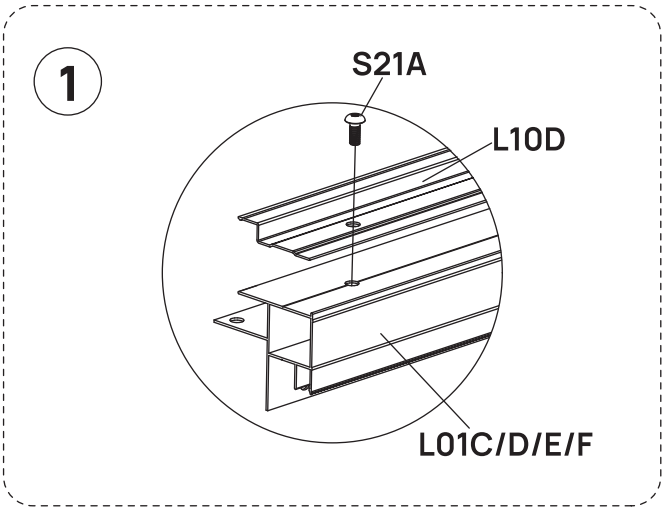
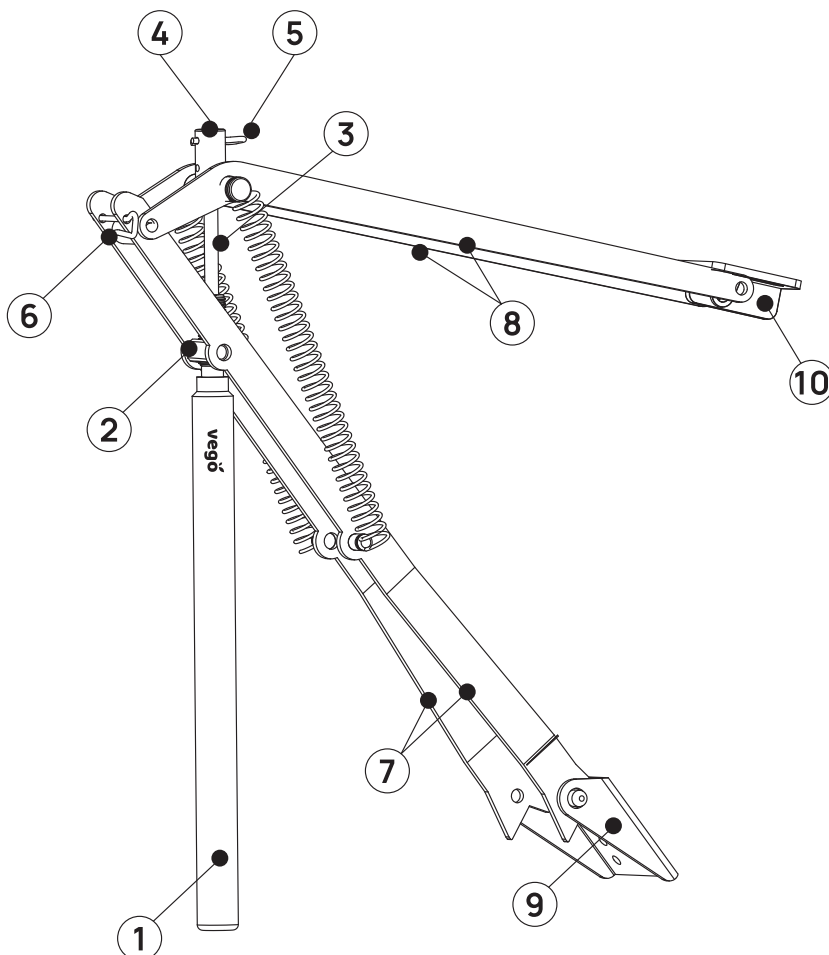Attach L10D cover frames onto L01 frames to secure the outermost PC panels as shown, using the removed S21A bolts.
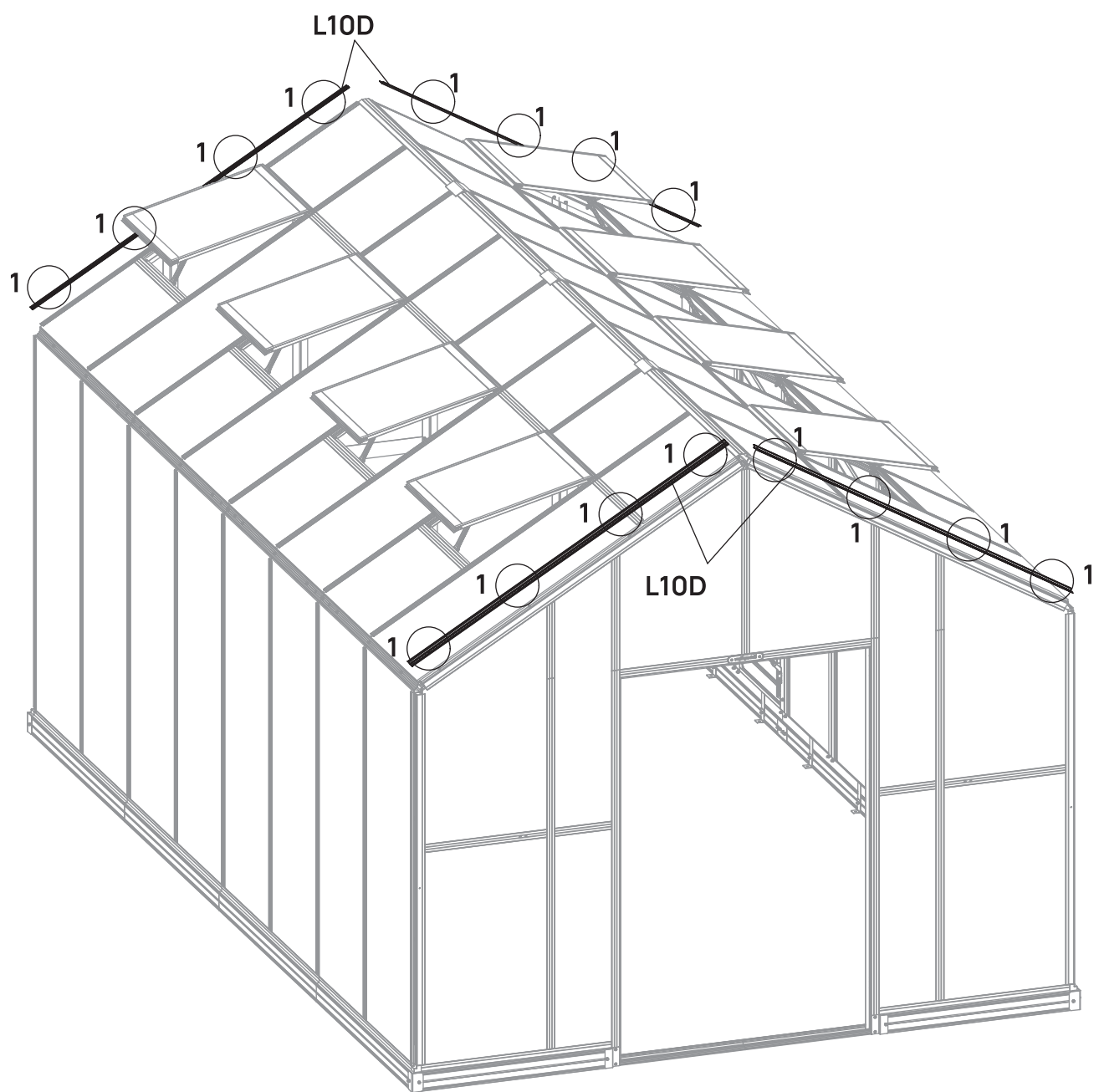
Auto Vent Opener Assembly

## 01

Assemble 2 sets of H244 Auto Vent openers as shown.

BOX	PART	NO	QTY
ALBOX-1		H244	2
Pre-installed		S26A M5X12	4
ALBOX-2		Z19A M4.2X10	4

1. Cylinder
2. Cylinder Housing
3. Piston Rod
4. Clutch T
5. Hair Pin
6. Stop Pin
7. Arm B
8. Arm A
9. Frame Bracket
10. Vent Bracket

Thread the Cylinder through the Cylinder Housing so that the end of the Piston Rod enters the Clutch T.

**Tips:** For easy assembly, chill the cylinder at a temperature below 41°F for 15–20 minutes to reduce tension.
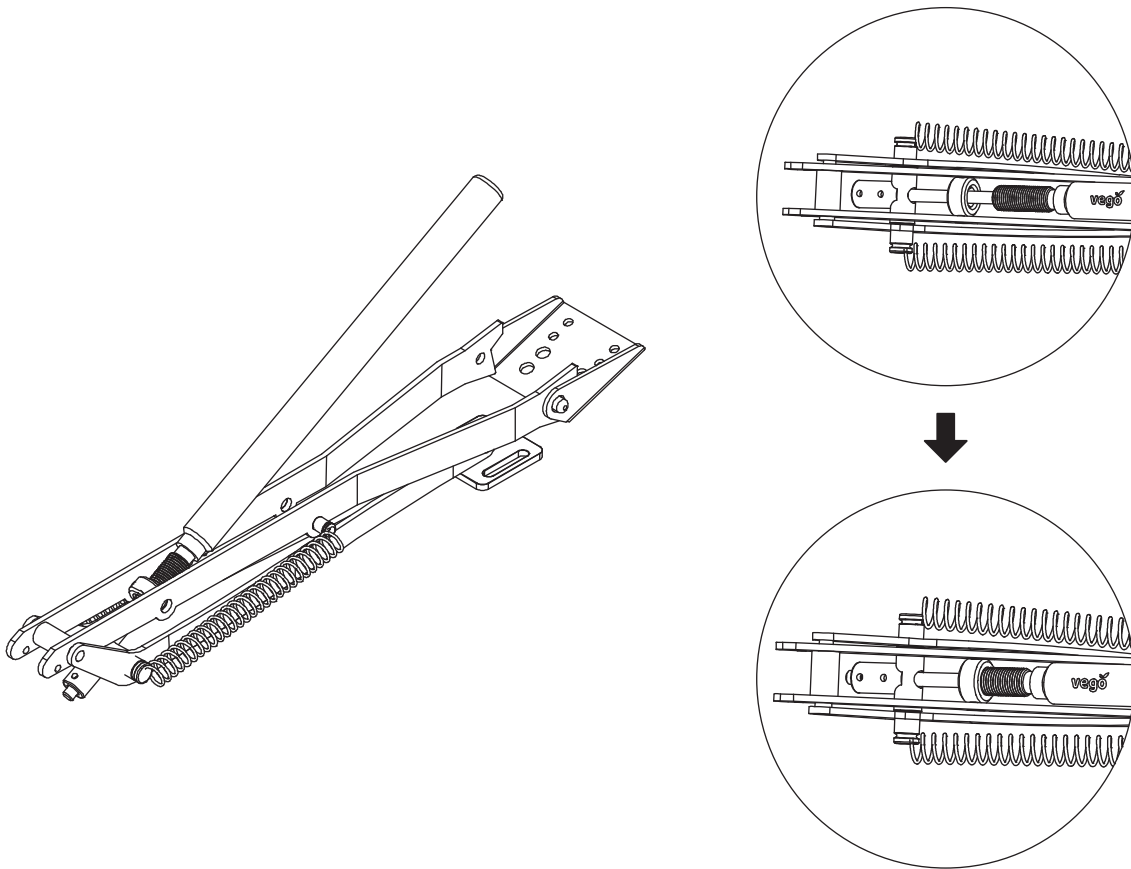
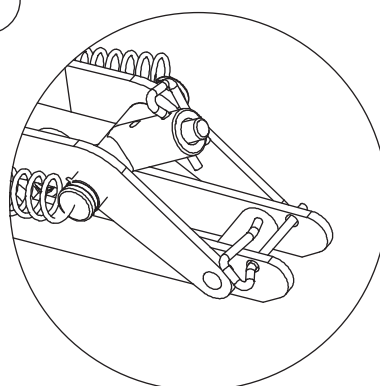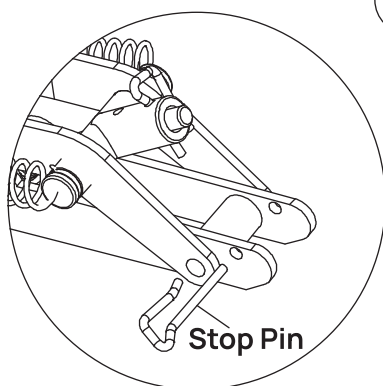If the maximum vent opening measures more than 16.5 inches, place the Hair Pin into hole A.

If the maximum opening measures less than 16.5 inches, place the Hair Pin into hole B. Insert the longer Stop Pin into the end of into the end of Arm B frame as shown in blue.

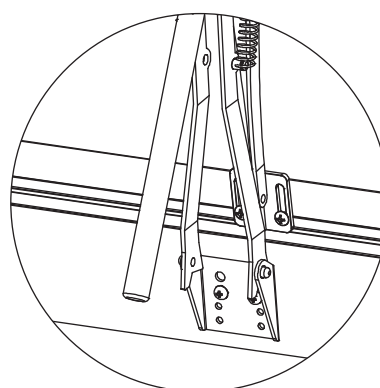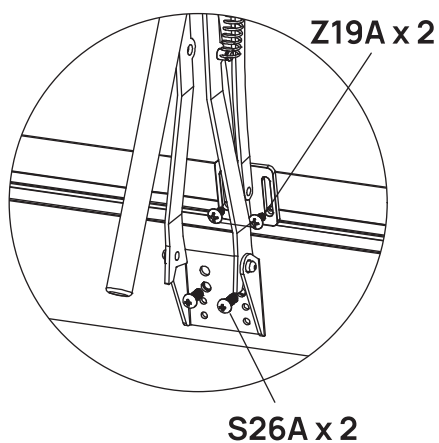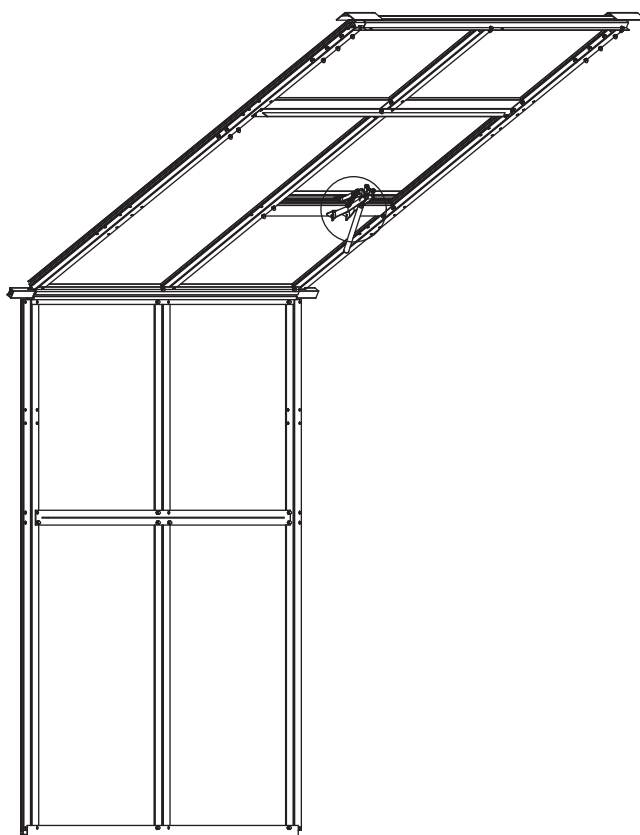**Note:** Do not install Stop Pin until Hair Pin has been installed.

1



2
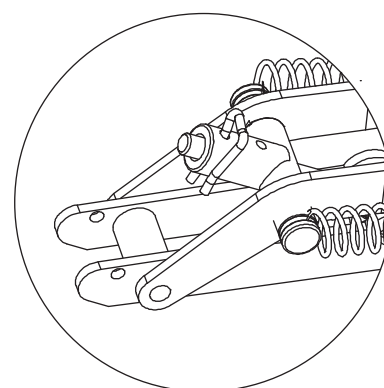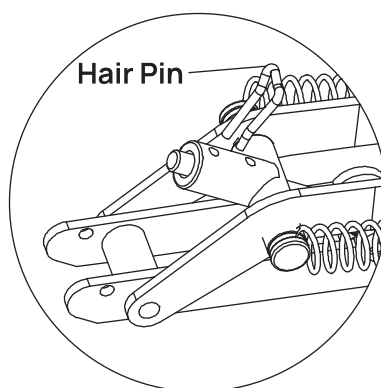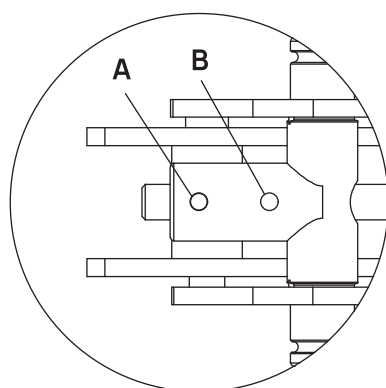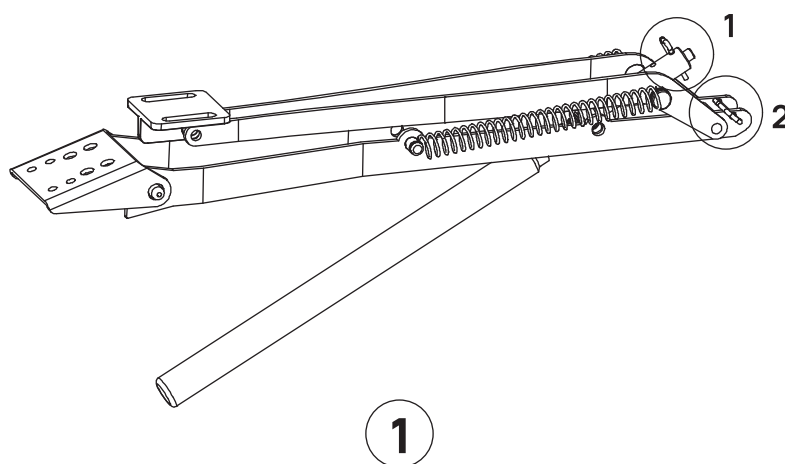
03

Replace any 2 sets of the manual vent openers with the assembled auto vent openers as shown.

Z19A x 2

S26A x 2

In case of sudden rain, strong winds, or other extreme weather while the auto vent opener is in the open position:

Push the frame arm inward as shown to release it from the bracket and quickly close the vent.

To secure it, tie the opener to a fixed point with a rope during storms to prevent the vent from being blown open.
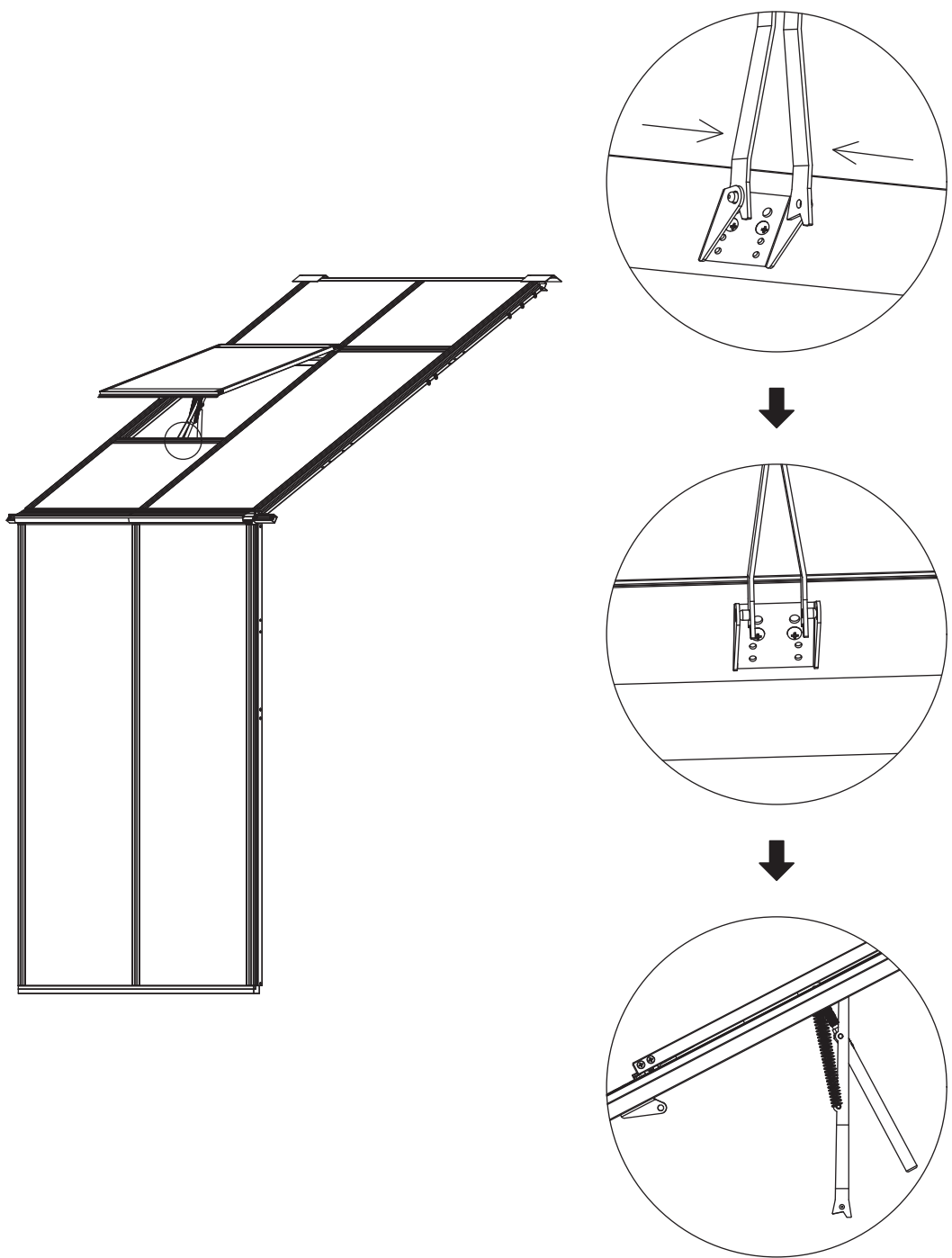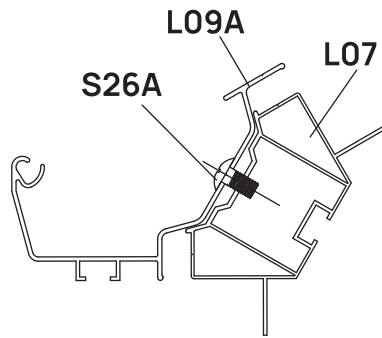
Gutter Assembly

Remove the pre-installed S26A bolts from L07 frames, then attach gutter frames onto eave frames as shown, using S26A.

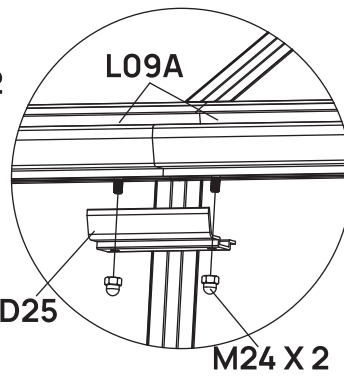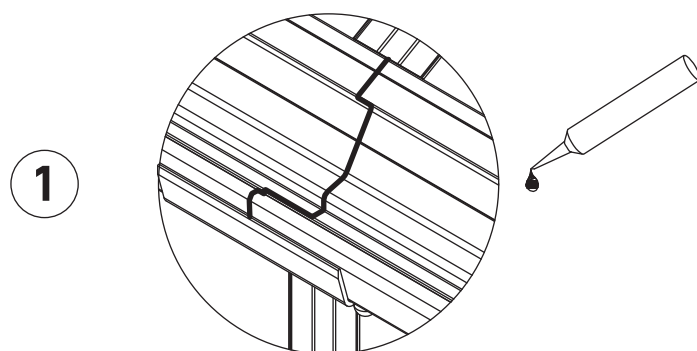| BOX	PART	NO	QTY
ALBOX-4		L09A	8
ALBOX-2		D25	6
Pre-installed		S26A / M5X12	24
ALBOX-2		S03A / M6X10	12
ALBOX-2		M24 / M6	12

98

1

L09A

S26A

L07

S26A

L09A
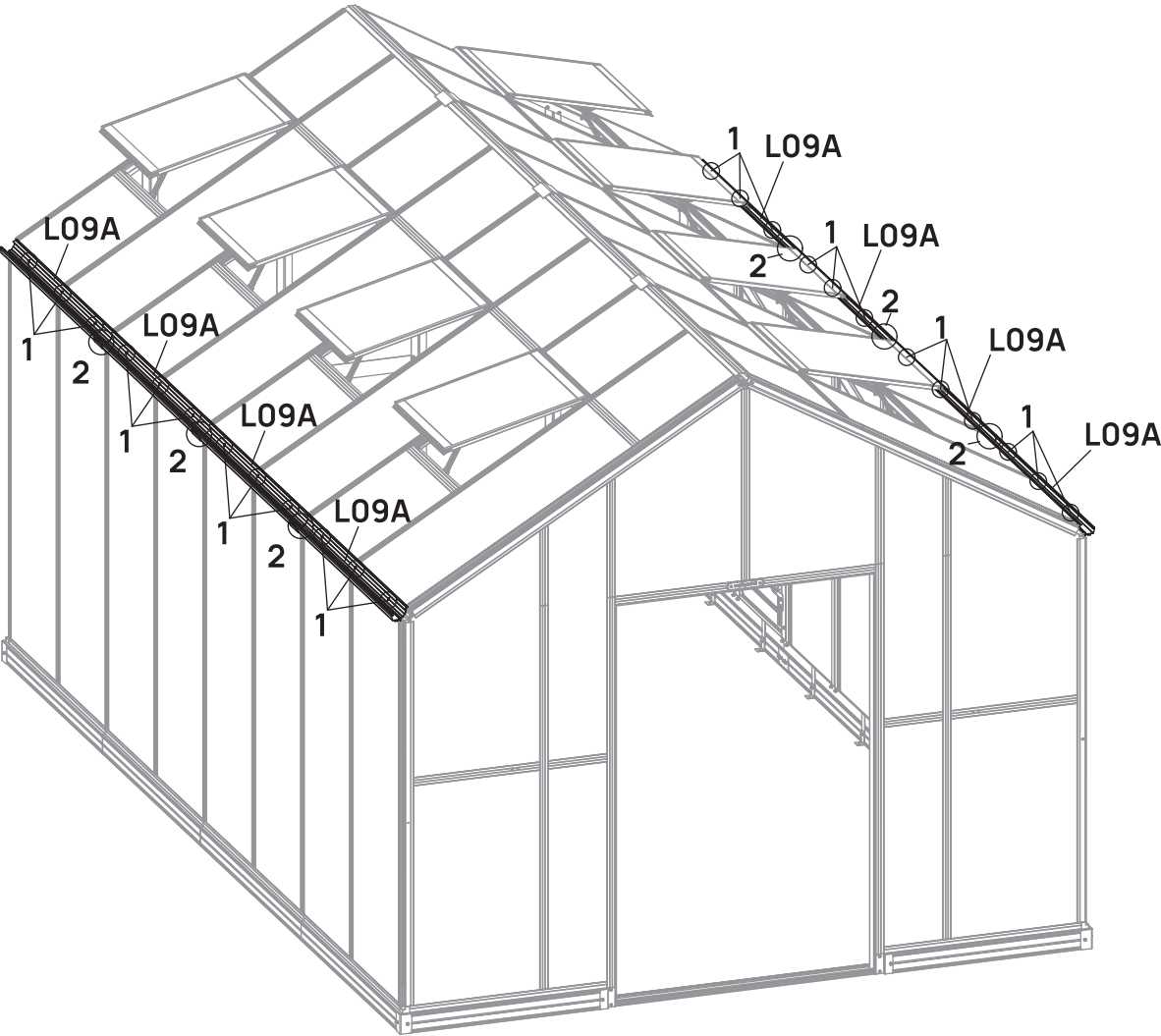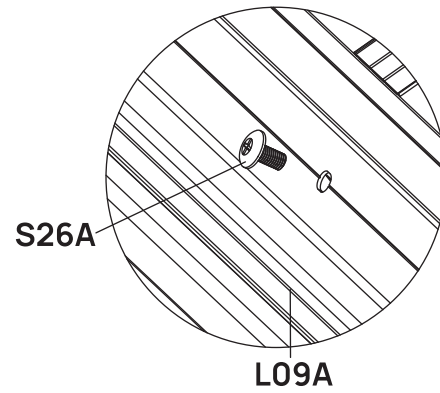
2 Slide S03A bolts in the grooves of the frames, position them as shown in the diagram.
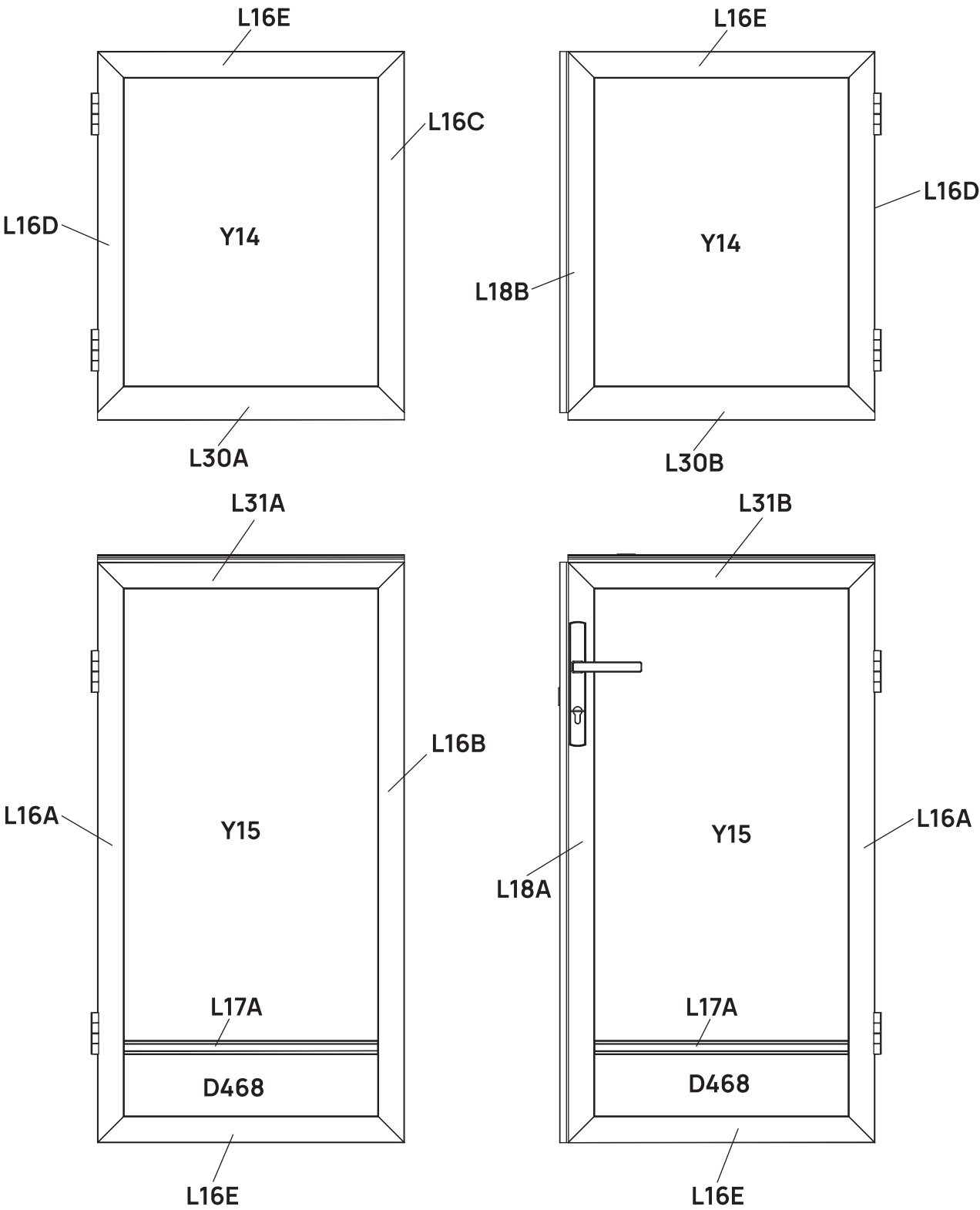Secure the D25 gutter connectors with M24 nuts.

S03A X 2

L09A

D25
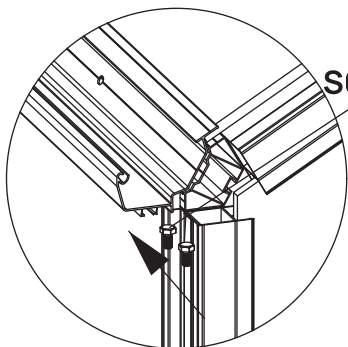
M24 X 2
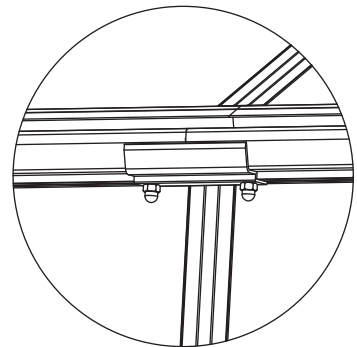
Apply silicone caulk (not included) around all PC panels and the gaps of gutter pieces to seal.

Door Assembly

Dutch Door Diagram

L16E

L16E

L16C

L16D

L16D

Y14

Y14

L18B

L30A

L30B

L31A

L31B

L16B

L16A

L16A

Y15

Y15

L18A

L17A

L17A

D468

D468
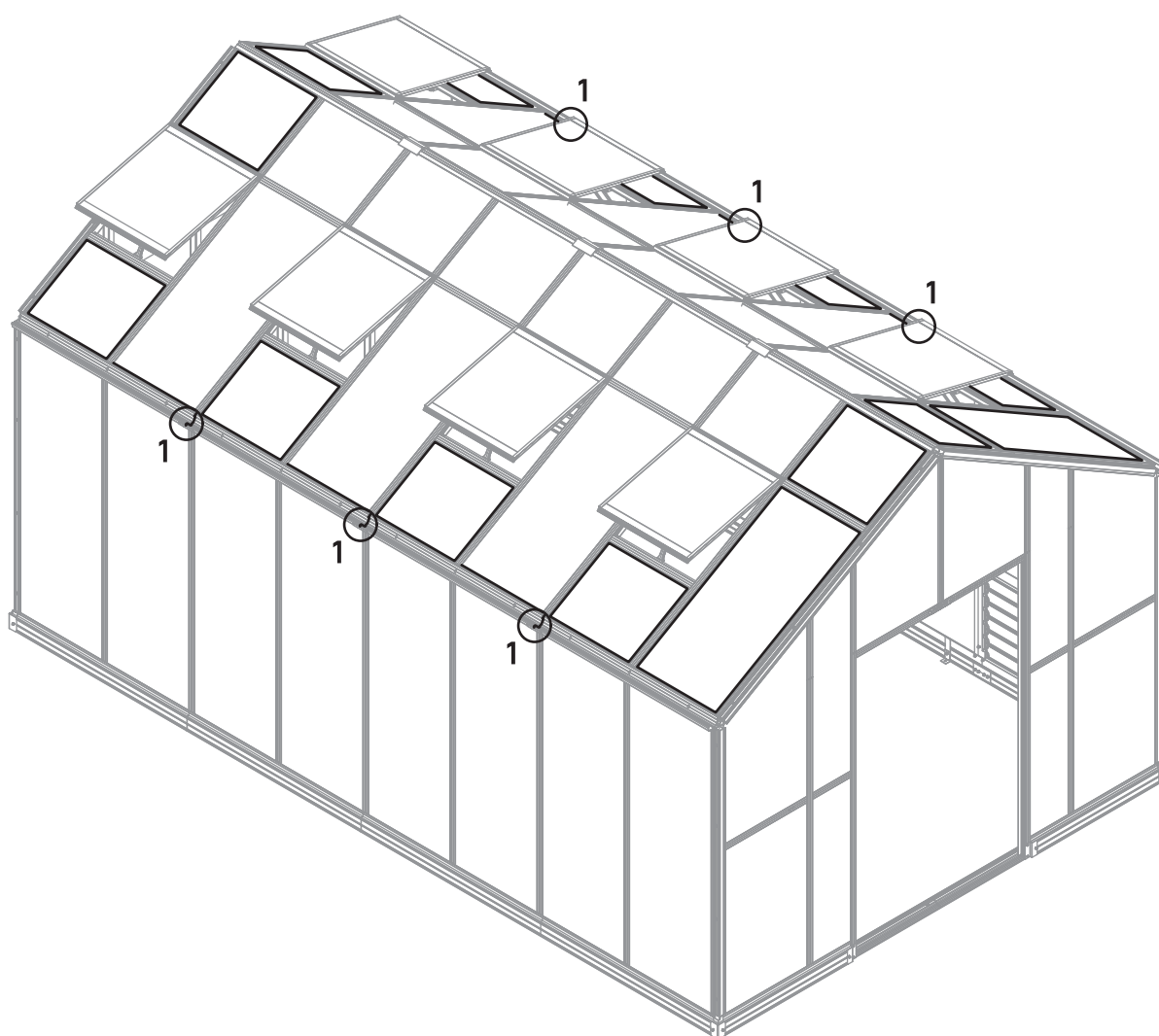
L16E

L16E

Assemble 4 sets of L16E pieces as shown, attach J193 pieces to each ends and secure with Z02A screws.

BOX	PART	NO	QTY
ALBOX-1		L16E	4
ALBOX-2		J193	8
ALBOX-2		Z02A Ø4X16D	16

J193

L16E

J193

J193

Z02A X 4

X4
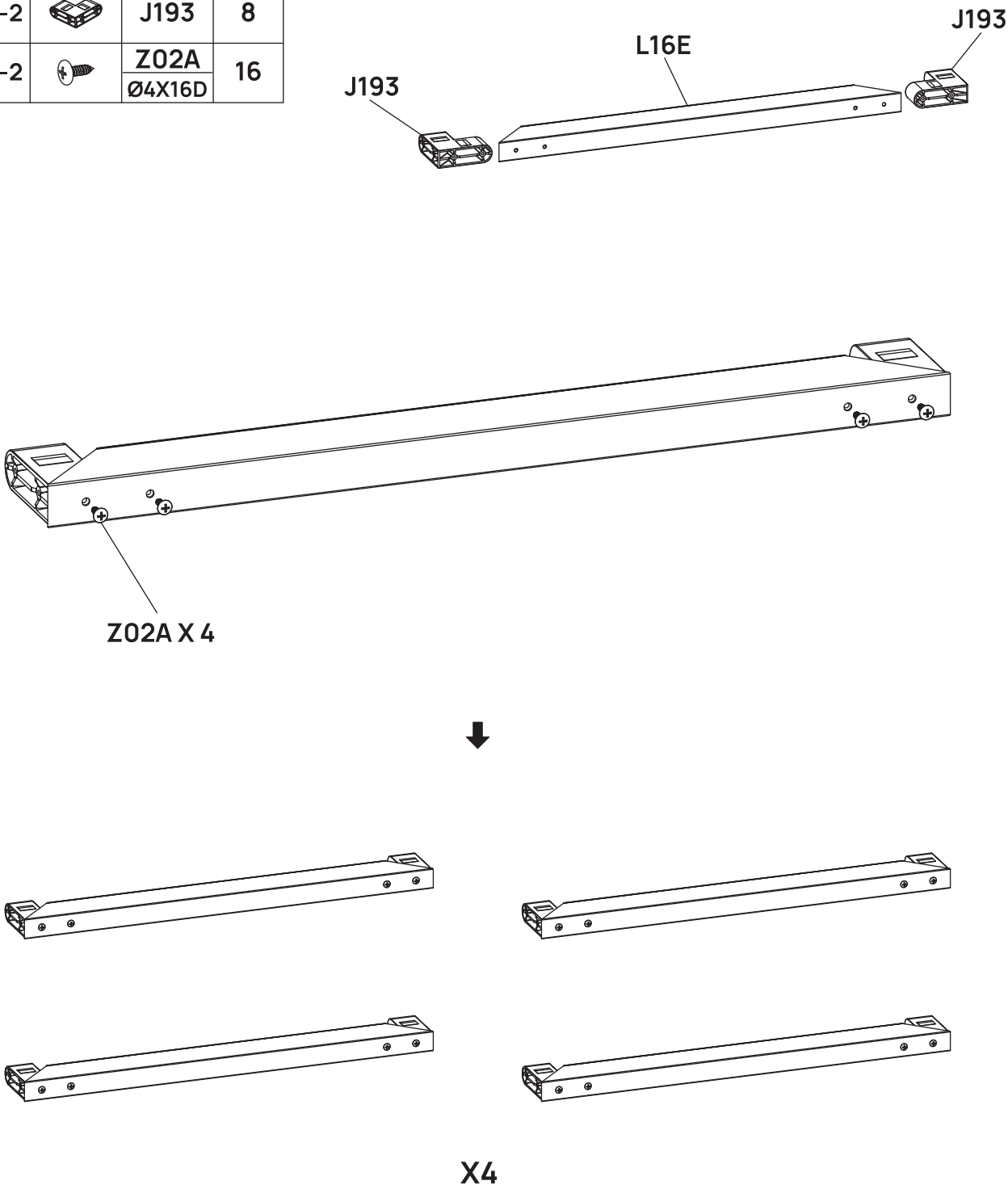
Assemble L30A, L30B, L31A and L31B in the same way as shown.

BOX	PART	NO	QTY
ALBOX-1		L30A	1
ALBOX-1		L30B	1
ALBOX-1		L31A	1
ALBOX-1		L31B	1
ALBOX-2		J193	8
ALBOX-2		Z02A Ø4X16D	16

J193   L16E

Z02A

L30B

J193

L30A

J193

J193

J193

J193

J193

L31B

J193

L31A
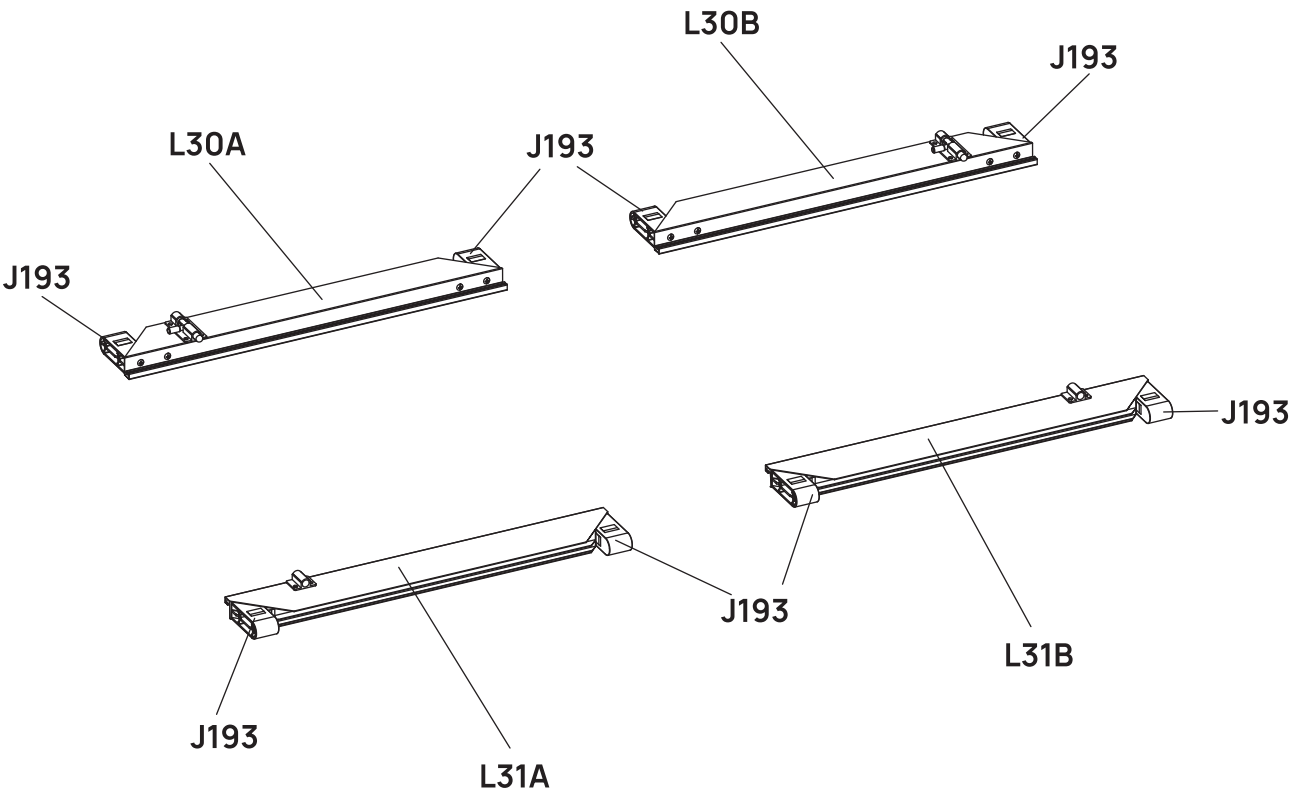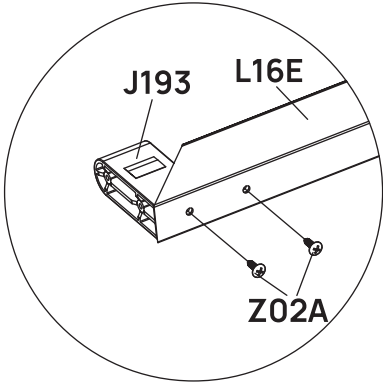
103

Assemble the upper-left door using Z02A screws, then attach the hinges as shown.

BOX	PART	NO	QTY
ALBOX-2		L16A	1
ALBOX-2		L16B	1
ALBOX-1		L16C	1
ALBOX-1		L16D	1
ALBOX-1		L17A	1
ALBOX-2		Z02A Ø4X16D	16
ALBOX-2		S03A M6X10	2
ALBOX-2		M24 M6	2
PCBOX-2 GLBOX-1		Y14	1
PCBOX-2 GLBOX-1		Y15	1
PCBOX-2 GLBOX-1		H158 H159	1
ALBOX-2		A51	4
Pre-installed		S27A M4.8X16	12
ALBOX-2		D468	1

Upper-left door

L16C Y14 L16D

L16E

L30A

S27A x 6

A51 x 2

L16
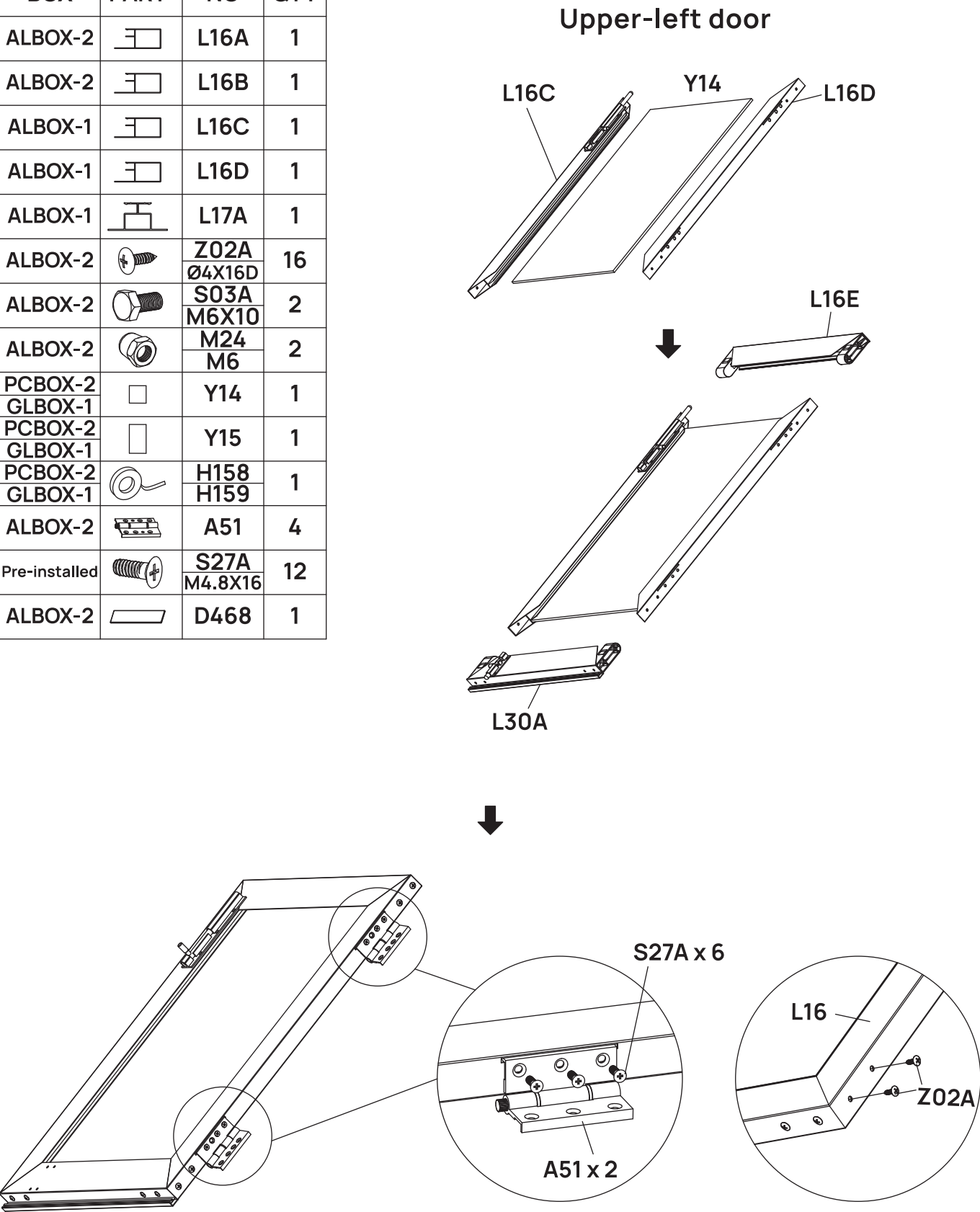
Z02A

04

Assemble the lower-left door as shown, secure the L17A frame and D468 aluminum plate at the bottom.
Finally attach the hinges as shown.

Lower-left door

Y15

L31A

L16B

L16A

1

1

L17A

D468

L16E

S27A x 6

A51 x 2

1

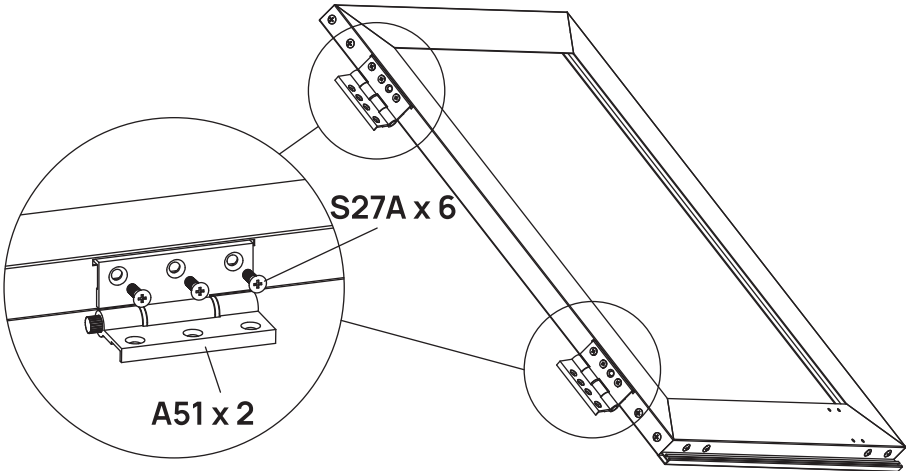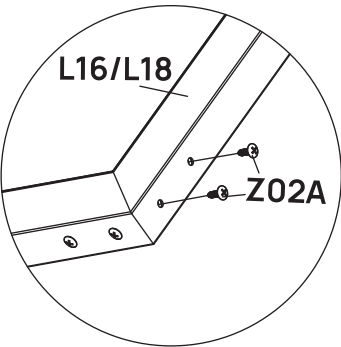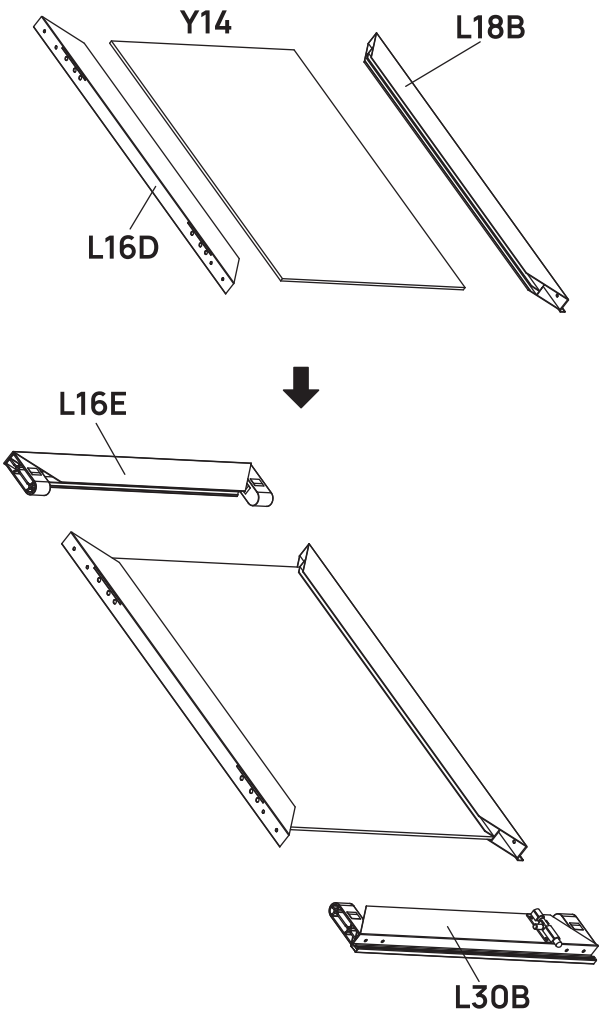L17A

M24

D468

L16
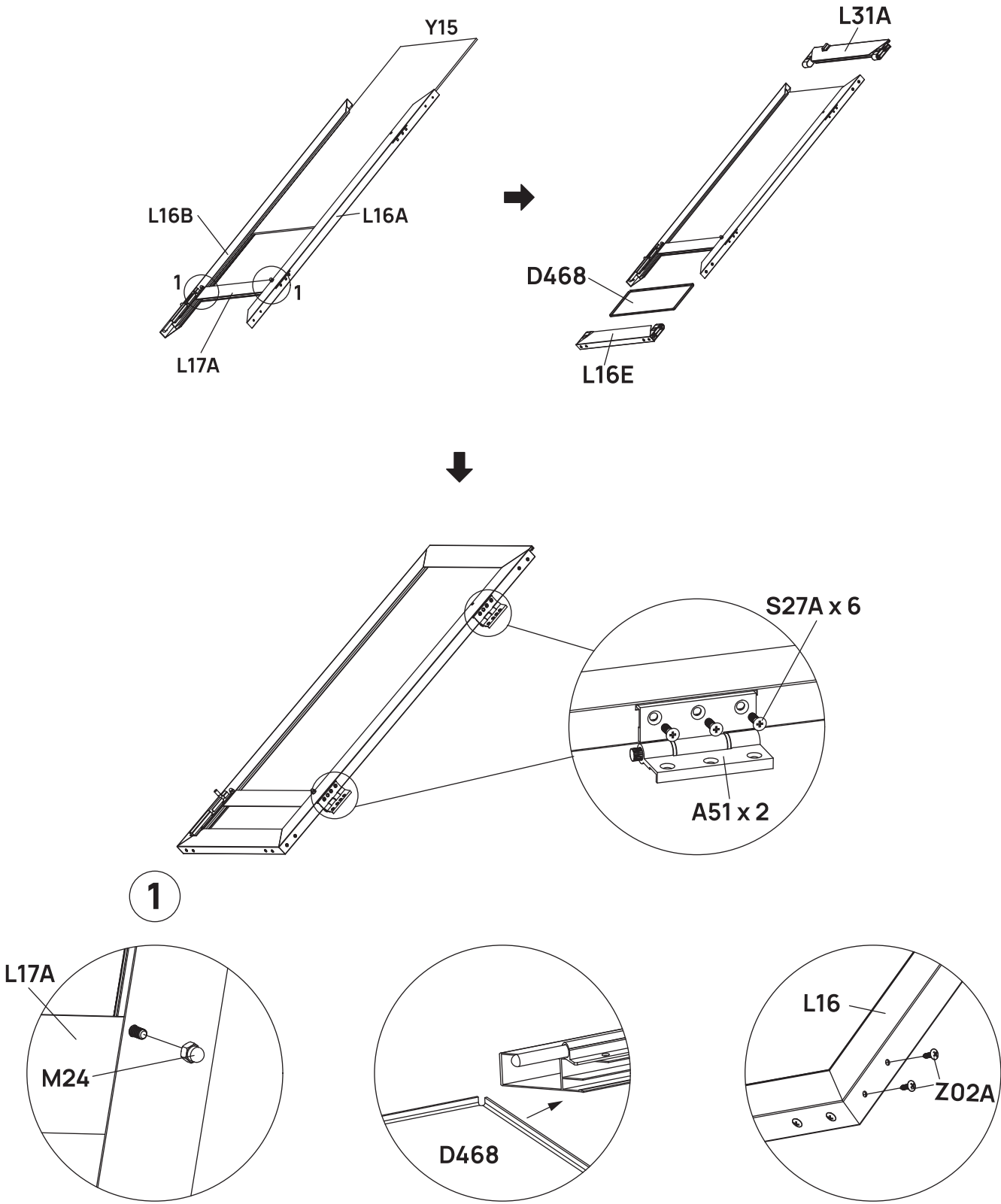
Z02A

05

Assemble the upper-right door using Z02A screws, then attach hinges as shown.

BOX	PART	NO	QTY
ALBOX-2		L16A	1
ALBOX-1		L16D	1
ALBOX-2		L18A	1
ALBOX-1		L18B	1
ALBOX-1		L17A	1
ALBOX-2		Z02A Ø4X16D	16
ALBOX-2		S03A M6X10	2
ALBOX-2		M24 M6	2
PCBOX-2 GLBOX-1		Y14	1
PCBOX-2 GLBOX-1		Y15	1
PCBOX-2 GLBOX-1		H158 H159	1
ALBOX-2		A51	4
Pre-installed		S27A M4.8X16	12
ALBOX-2		D468	1

Upper-right door

Y14

L18B

L16D

L16E

L30B

L16/L18

Z02A

S27A x 6

A51 x 2

06

Assemble the lower-right door as shown, secure the L17A frame and D468 aluminum plate at the bottom.

Finally attach the hinges as shown.

## Lower-right door (with lock holes)

Y15

L31B

L18A

L16A

1

1

L17A

D468

L16E

S27A x 6

A51 x 2
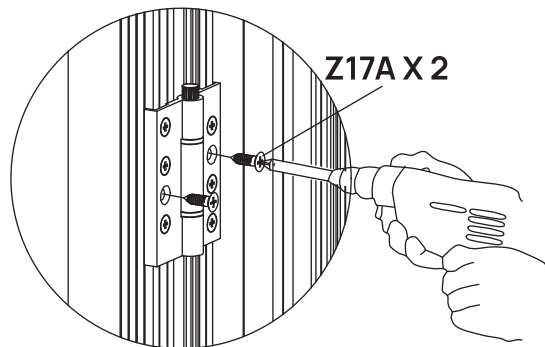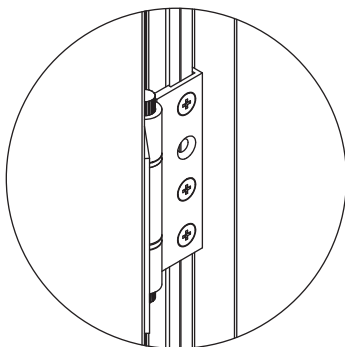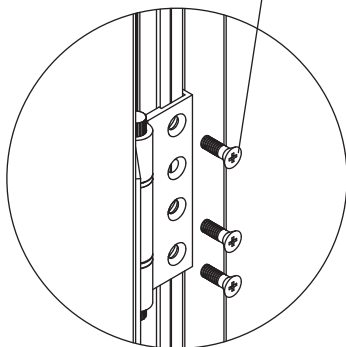
1

L17A

M24

D468

L16/L18

Z02A
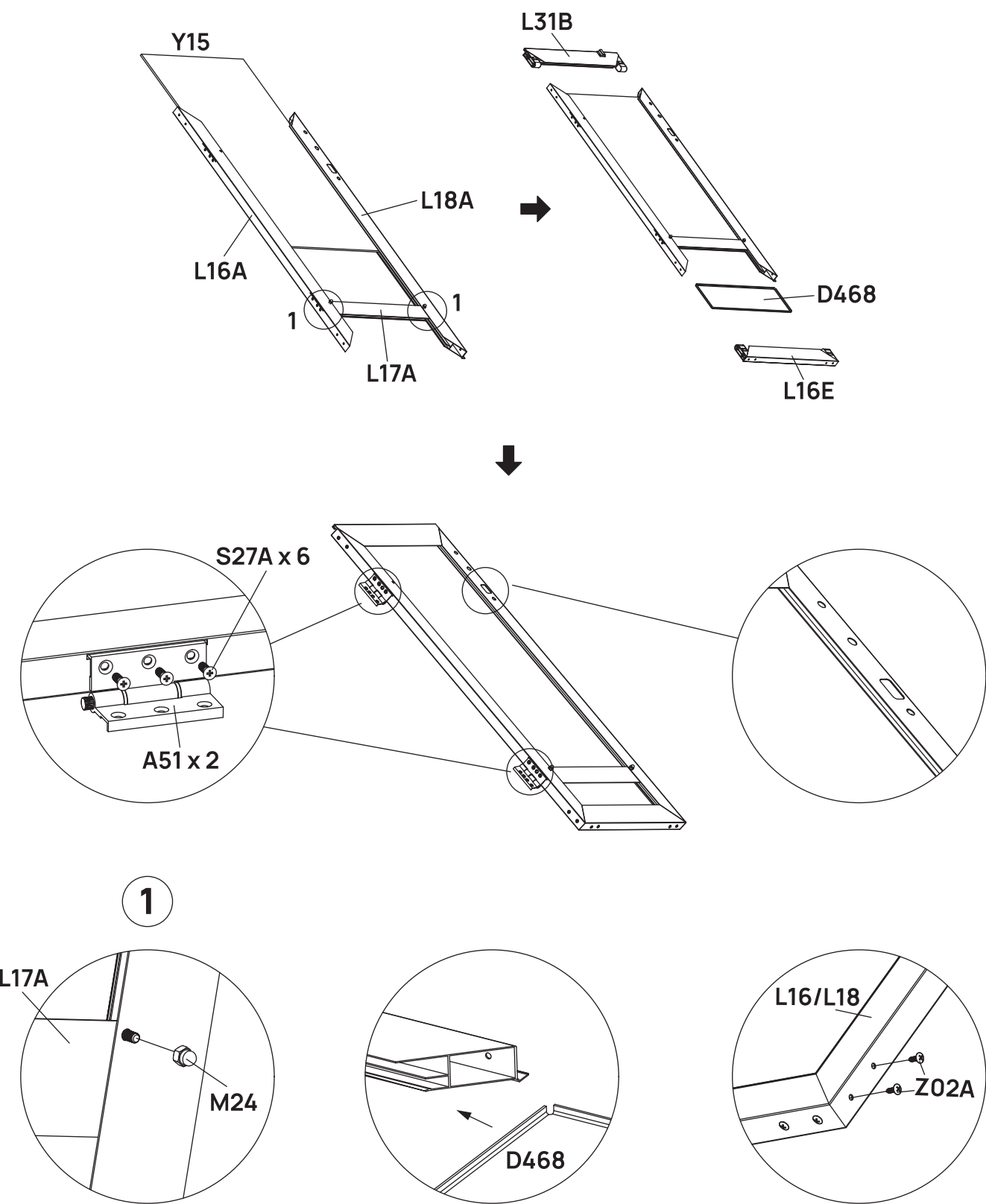
Remove S27A bolts from the L03 door frames. Hold the door in place, affix the hinges to the door frames, and secure them with S27A bolts. Finally, reinforce the structure with Z17A screws.

BOX	PART	NO	QTY
		DOOR-L	1
		DOOR-R	1
ALBOX-2		Z17A M4.8X16	16
Pre-installed		S27A M4.8X16	24

1

S27A X 6

Z17A X 2

2

S27A X 6

Z17A X 2
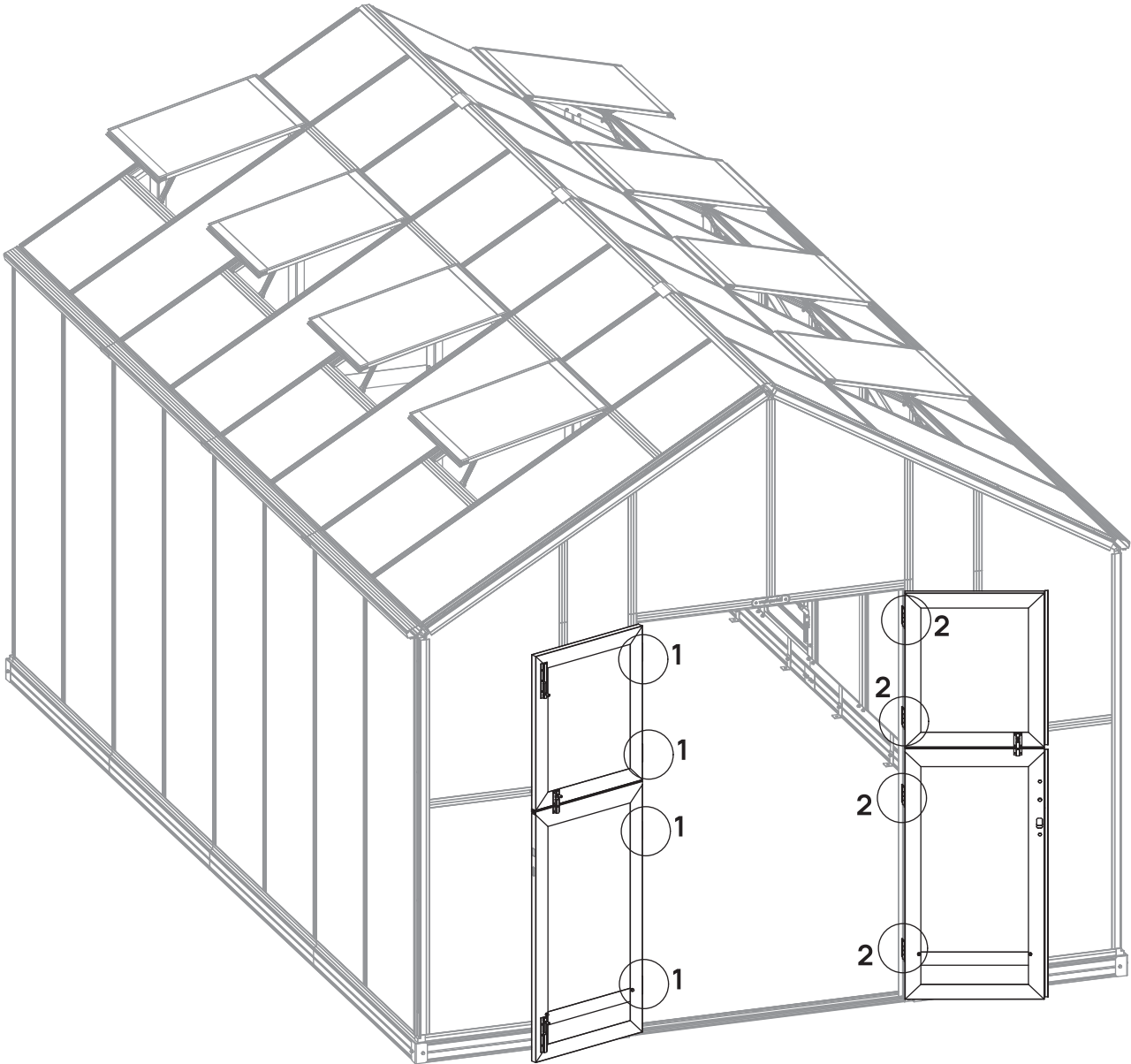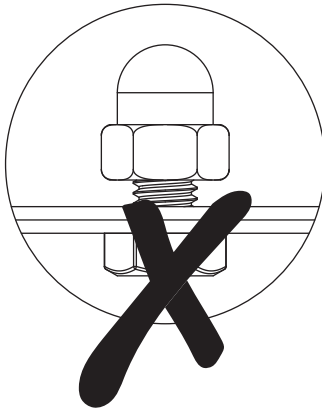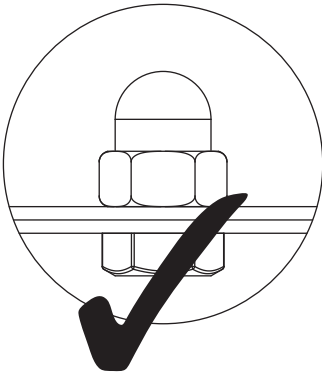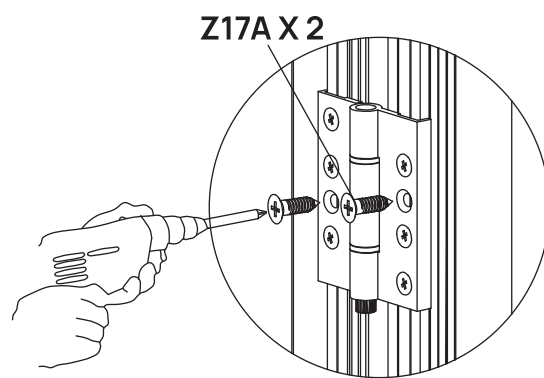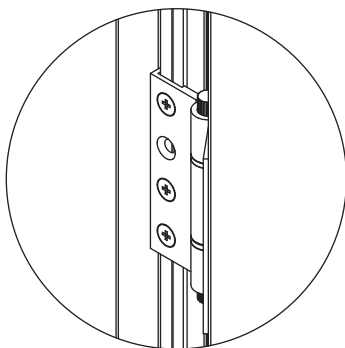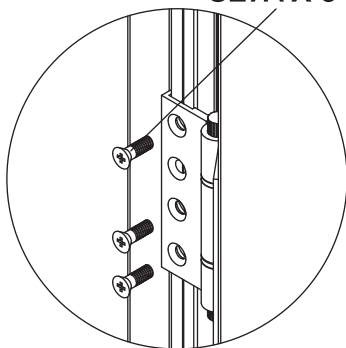
Lock installation.

BOX	PART	NO	QTY
ALBOX-2		H199	1
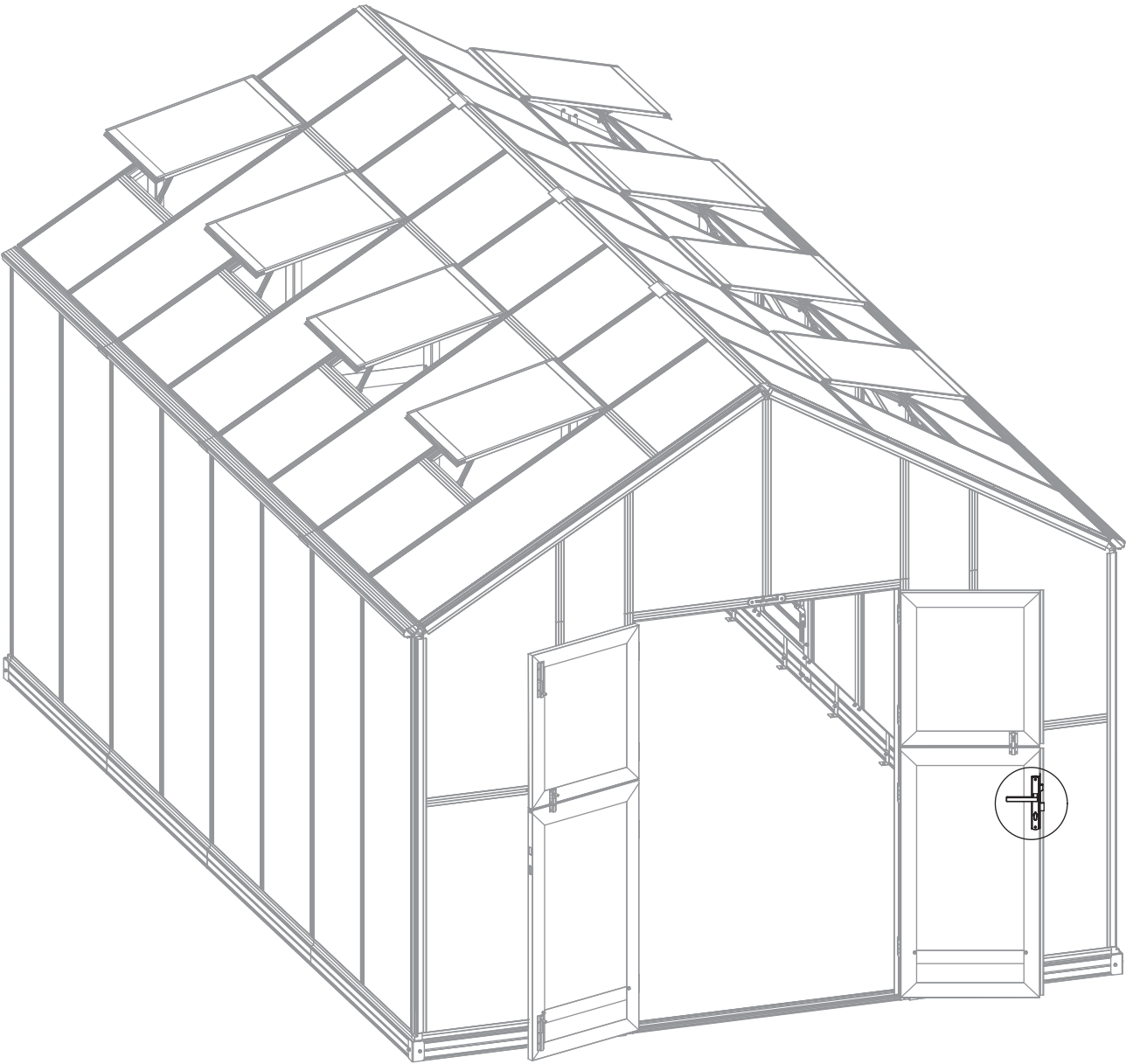
Disassemble the door lock and install it onto the right door. Make sure the keyhole faces outward and the handle rests horizontally as shown.
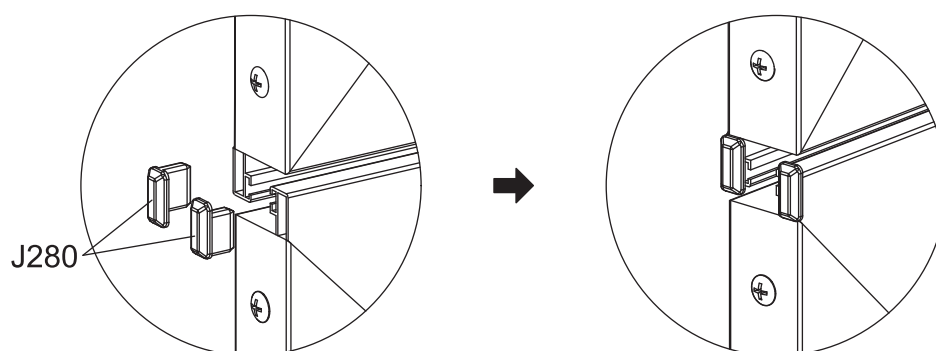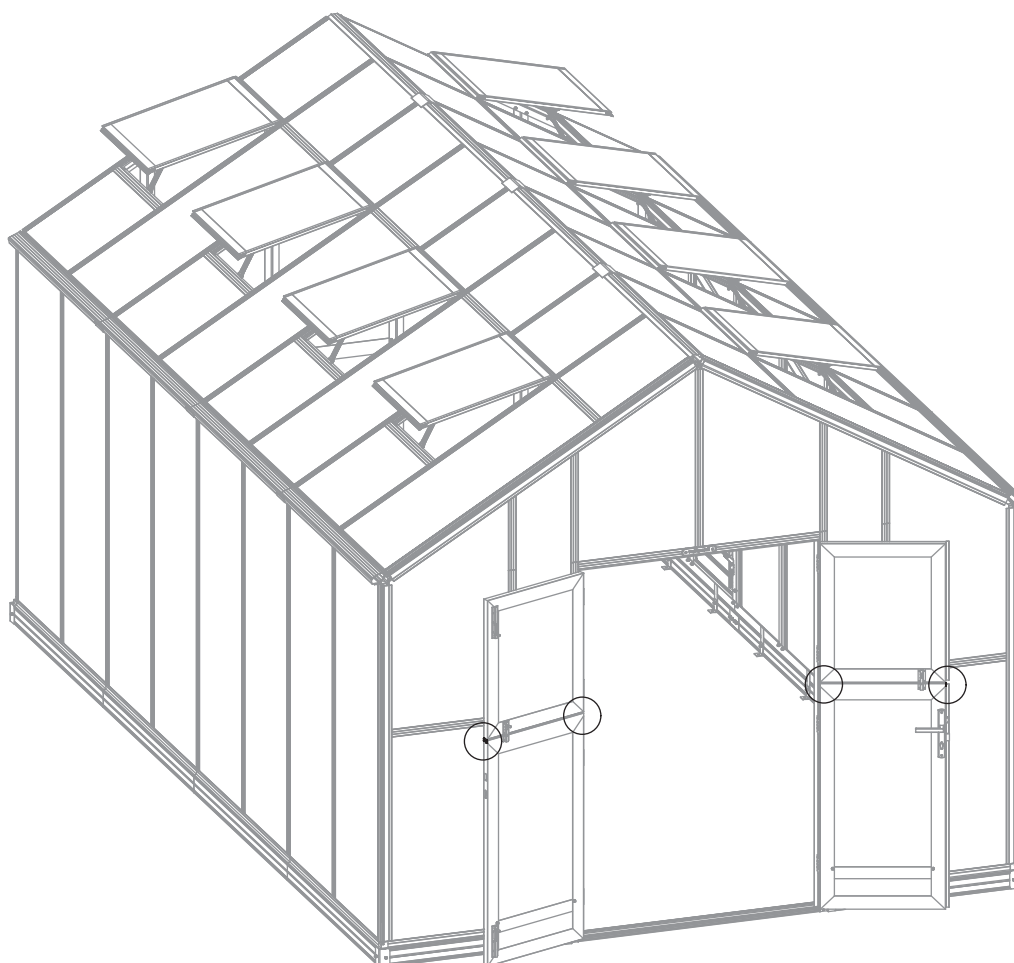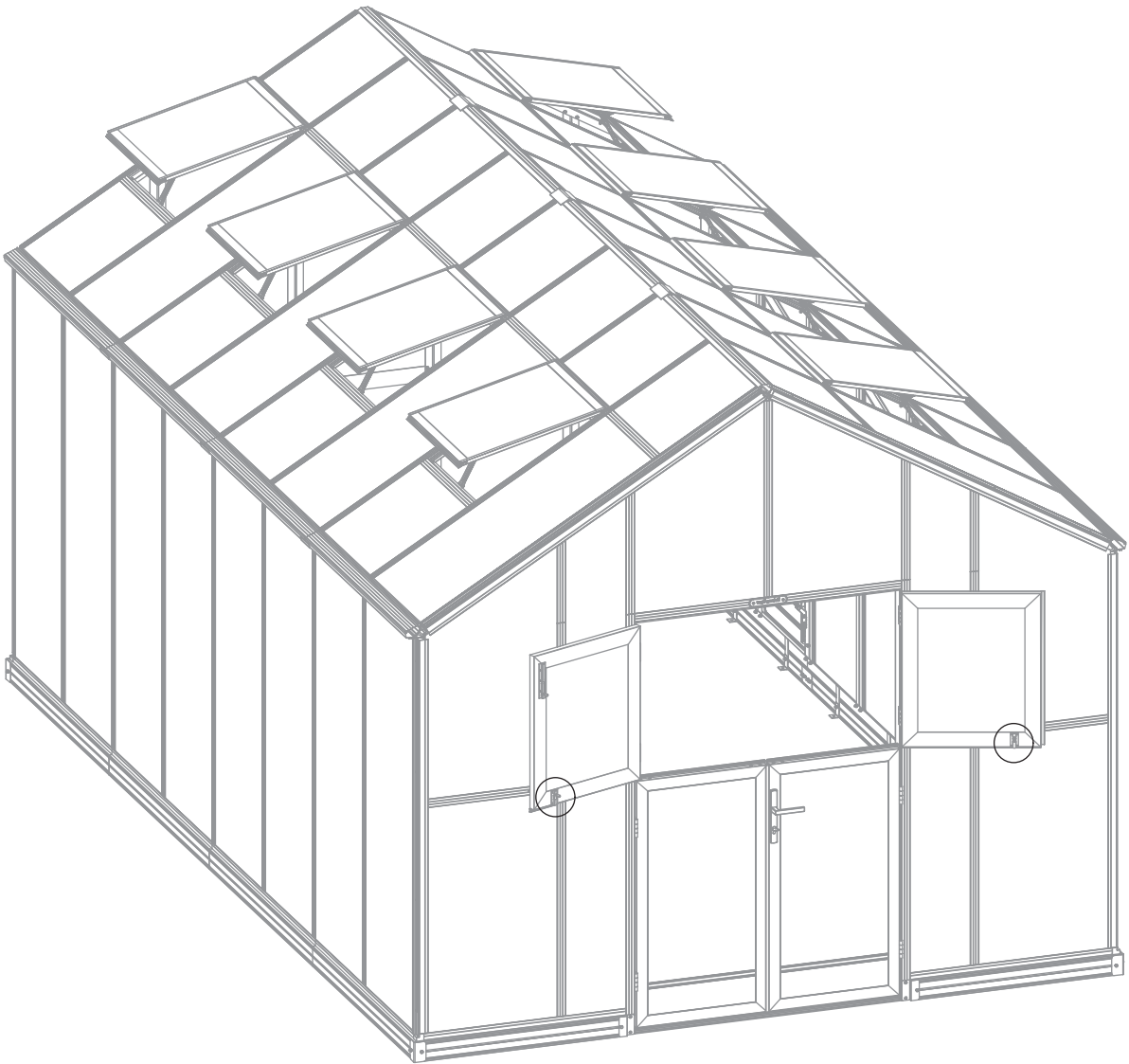

h

L18A

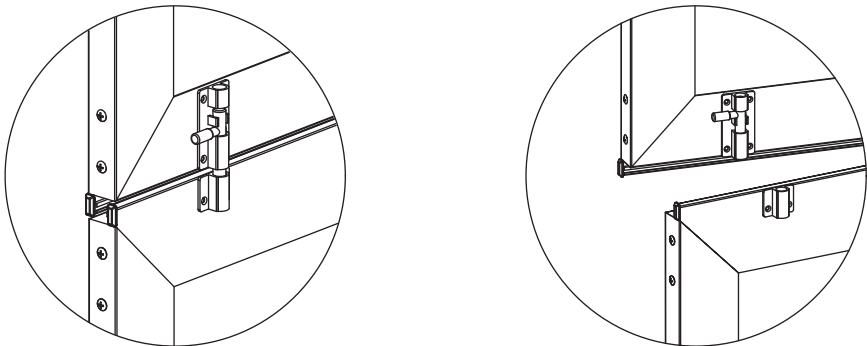c

h

L18A

f

a

d

f

e

b

g
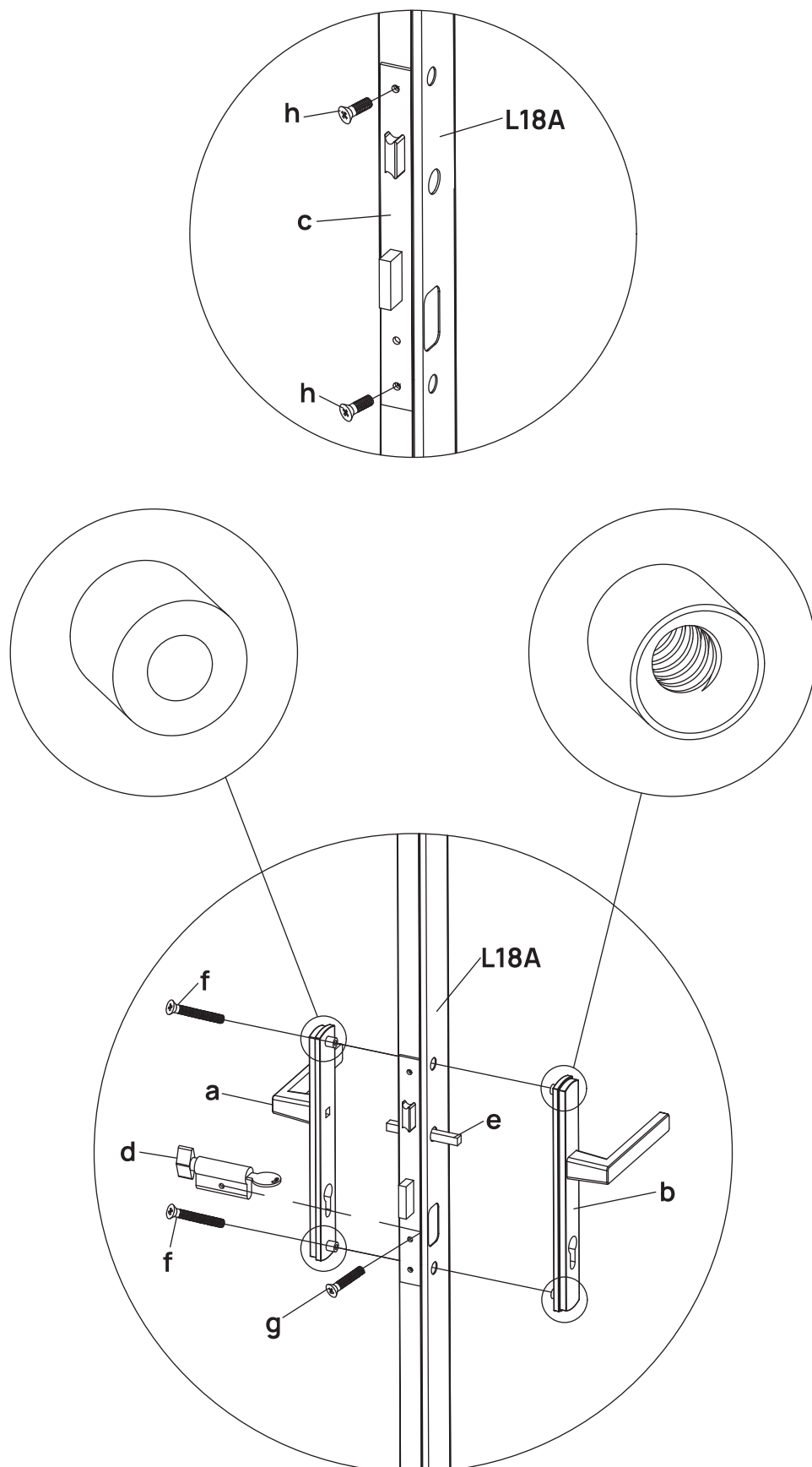
Insert J280 caps to both ends of the door frames as shown.

BOX	PART	NO	QTY
ALBOX-2		J280	8

J280

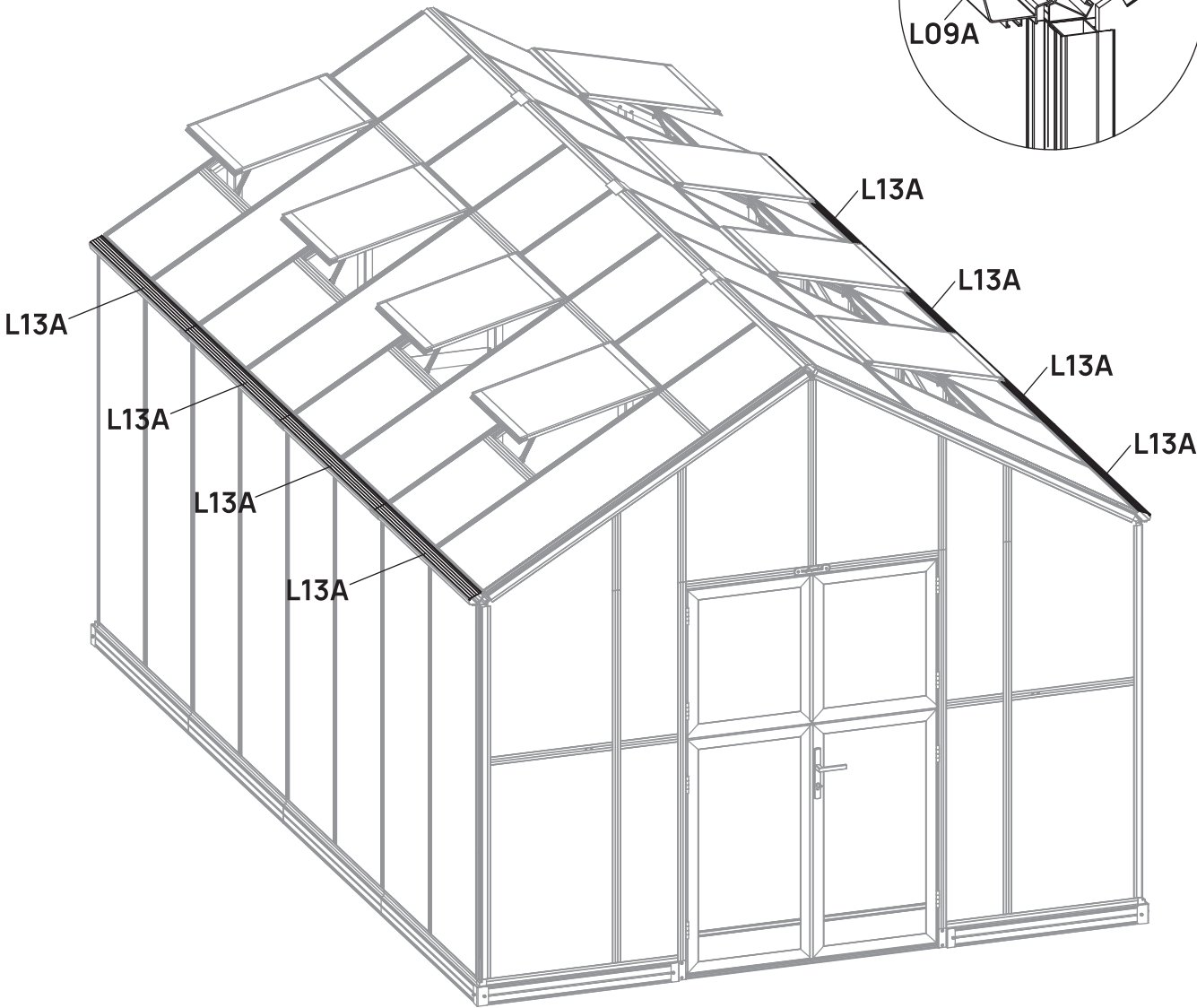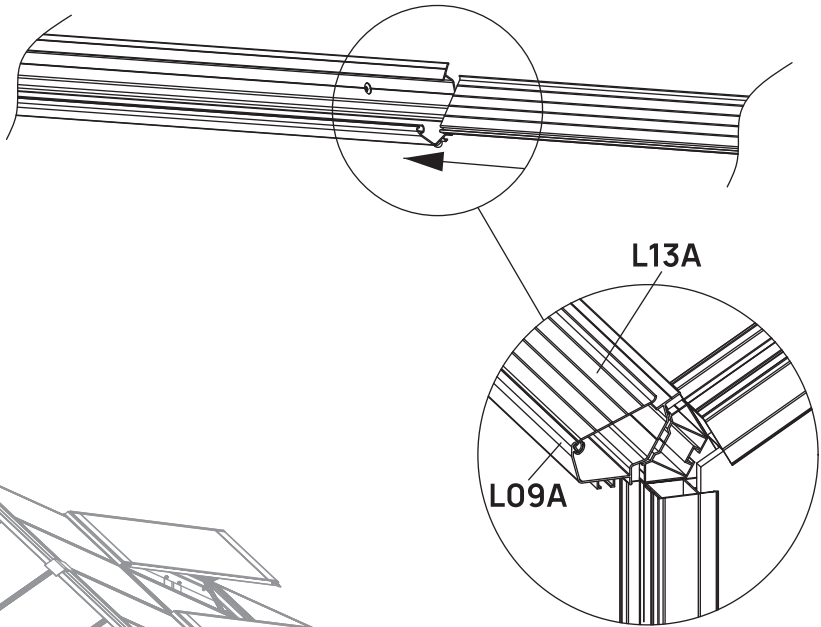The upper doors can be opened separately by unlock the barrel bolt latches.

Gutter Cover Assembly

Slide the L13A gutter cover in place as shown, test to make sure the cover can flip open easily.

BOX	PART	NO	QTY
ALBOX-4	⌐—	L13A	8

L13A

L13A

L09A

L13A

L13A

L13A

L13A

L13A

L13A

L13A

L13A

L13A

Attach ridge end cap and gutter end caps as shown.

BOX	PART	NO	QTY
ALBOX-2		J198	2
ALBOX-2		J268L	2
ALBOX-2		J268R	2
ALBOX-2		Z08A Ø4.2X16	12

1

J268L/R

Z08A X 2

2

Z08A X 2

J198
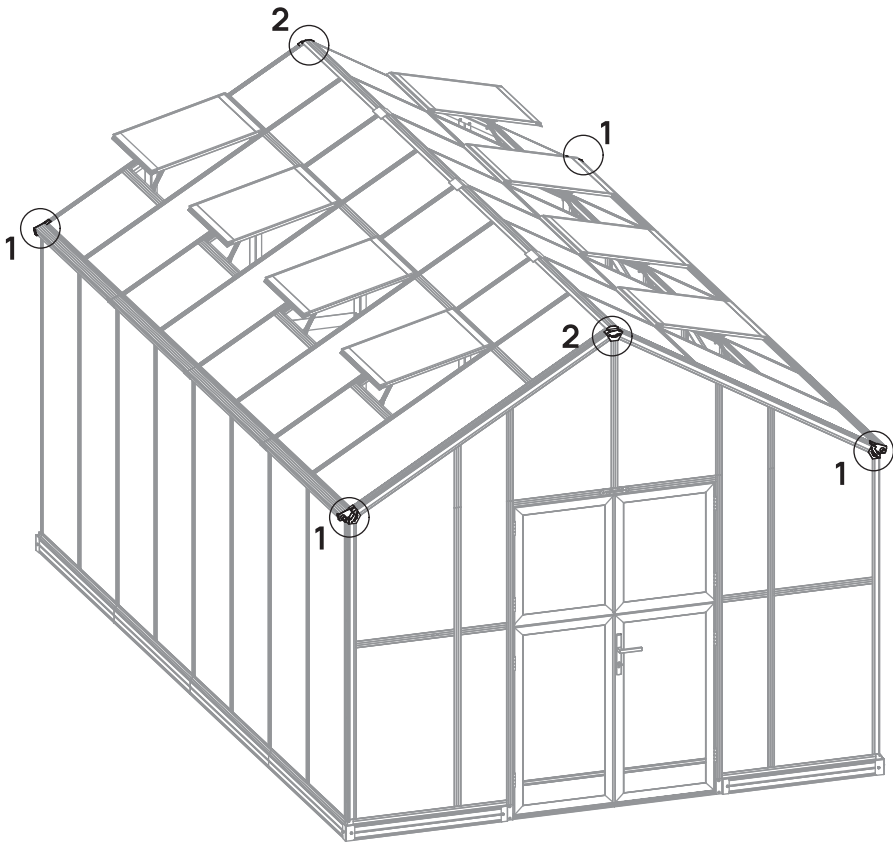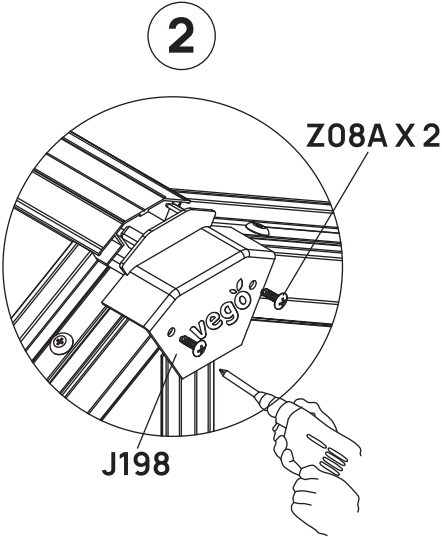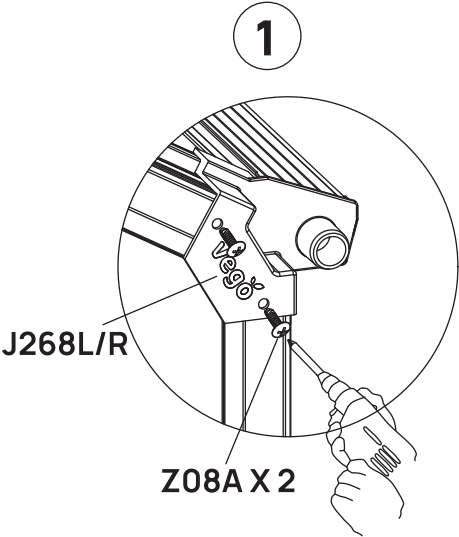
Apply silicone caulk (not provided) between the gaps of plastic caps and frames to ensure a watertight seal as shown.
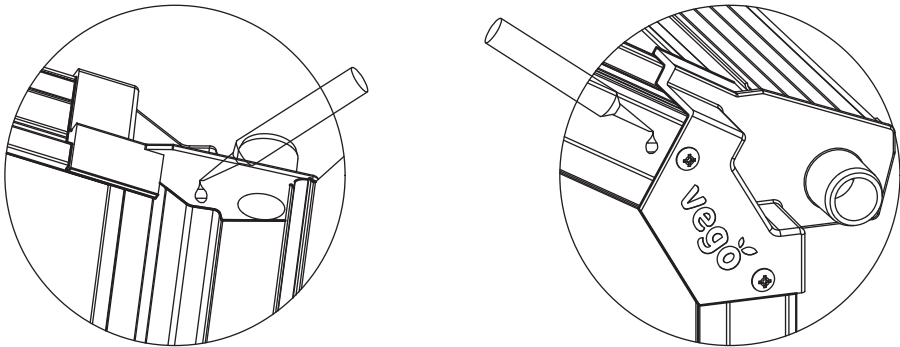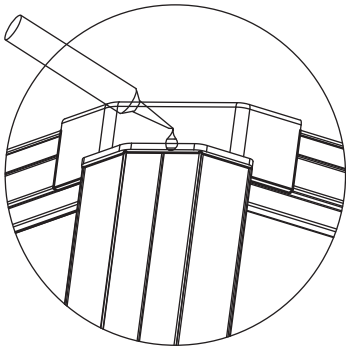
Assemble the drainage pipe components as shown in diagram, then attach them to the gutter end cap.
Using silicone caulk or waterproof tape to reinforce the connection between gutter end caps and pipe.

BOX	PART	NO	QTY
ALBOX-2	◯	L25	4
ALBOX-2		J93	4
ALBOX-2		J94	4
ALBOX-2		J199	4
ALBOX-2		H74-1	2
ALBOX-2		H74-2	2
Pre-installed		S89 M3X12	8
ALBOX-2		Z08A Ø4.2X16	4

J268L/R

J94

J94   L25   J93
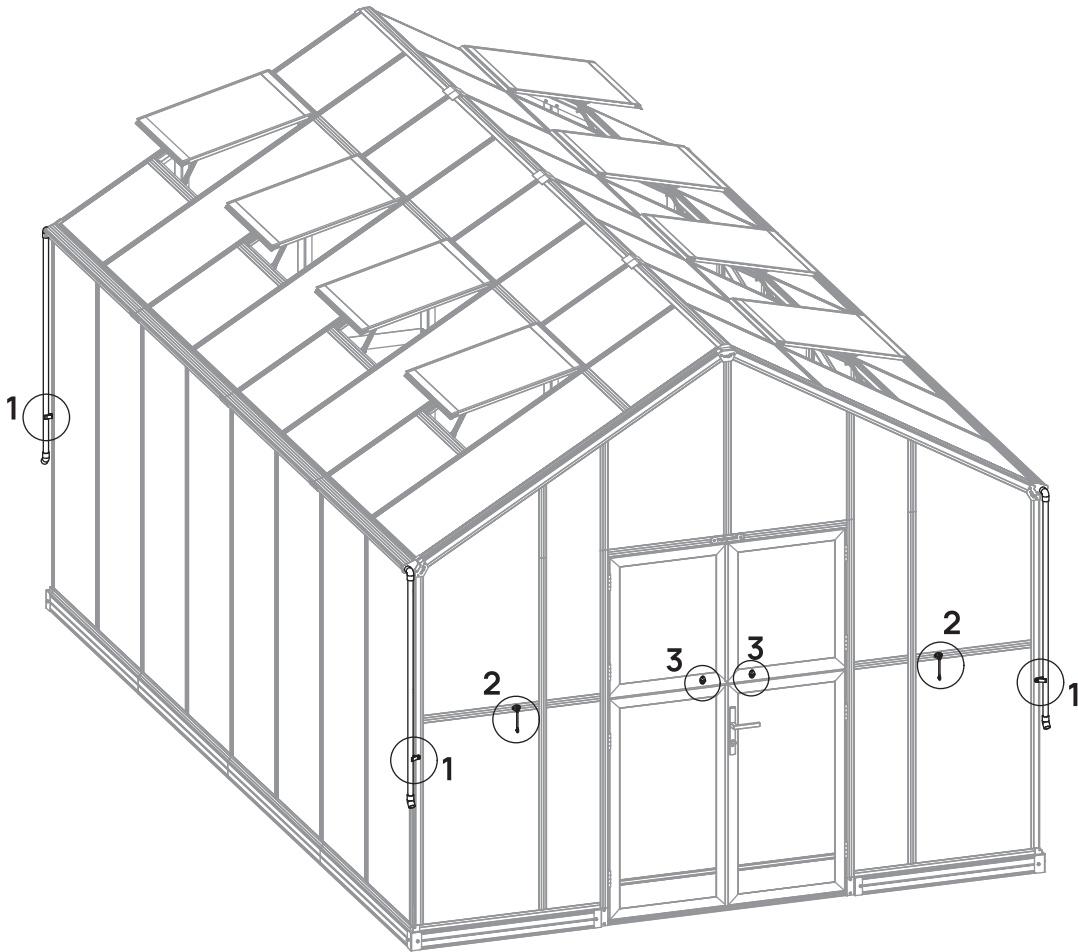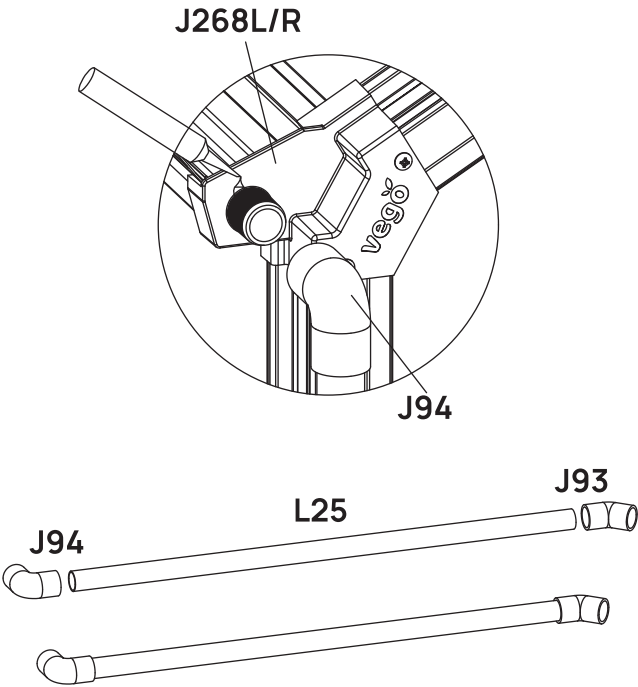
Attach pipe bracket and wind latch as shown in diagram.

J199

Z08A

1

S89 x 2

2

H74-1

S89 x 2

3

H74-2
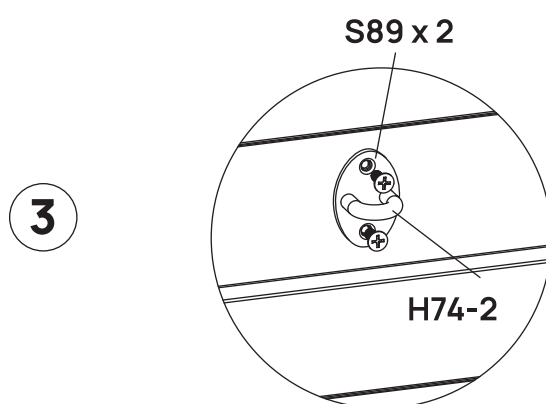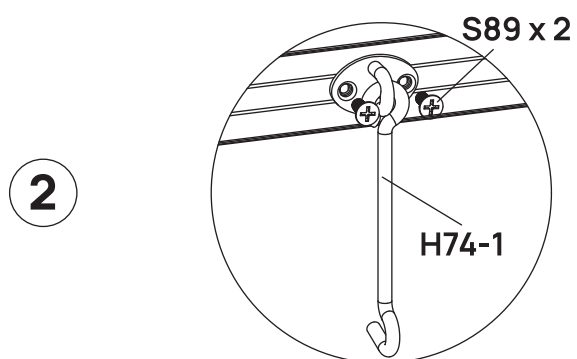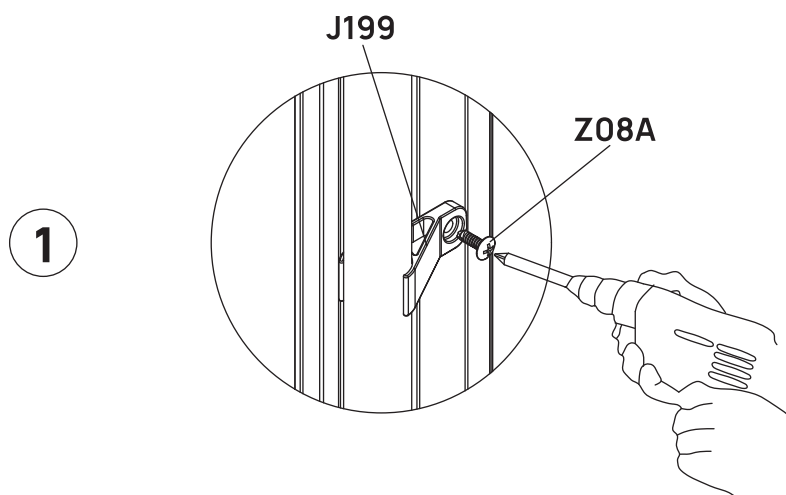
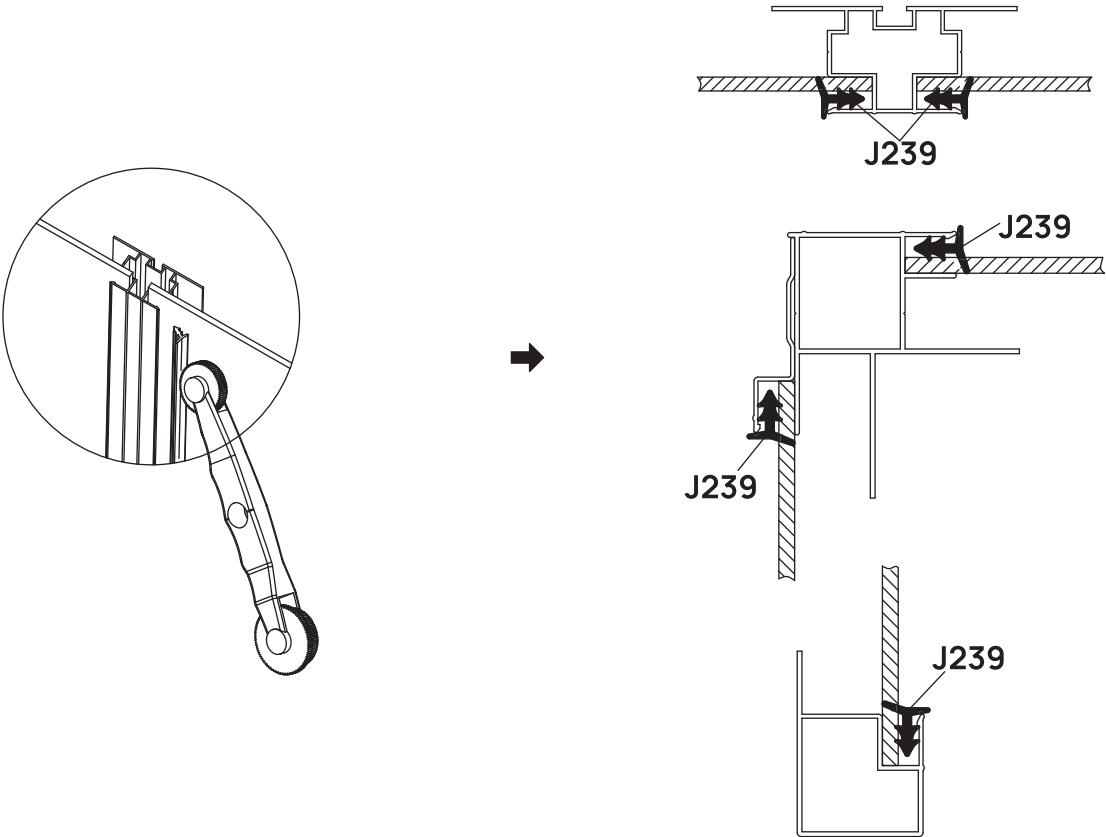For PC wall panels, apply silicone caulk around all PC panels to ensure watertight sealing.
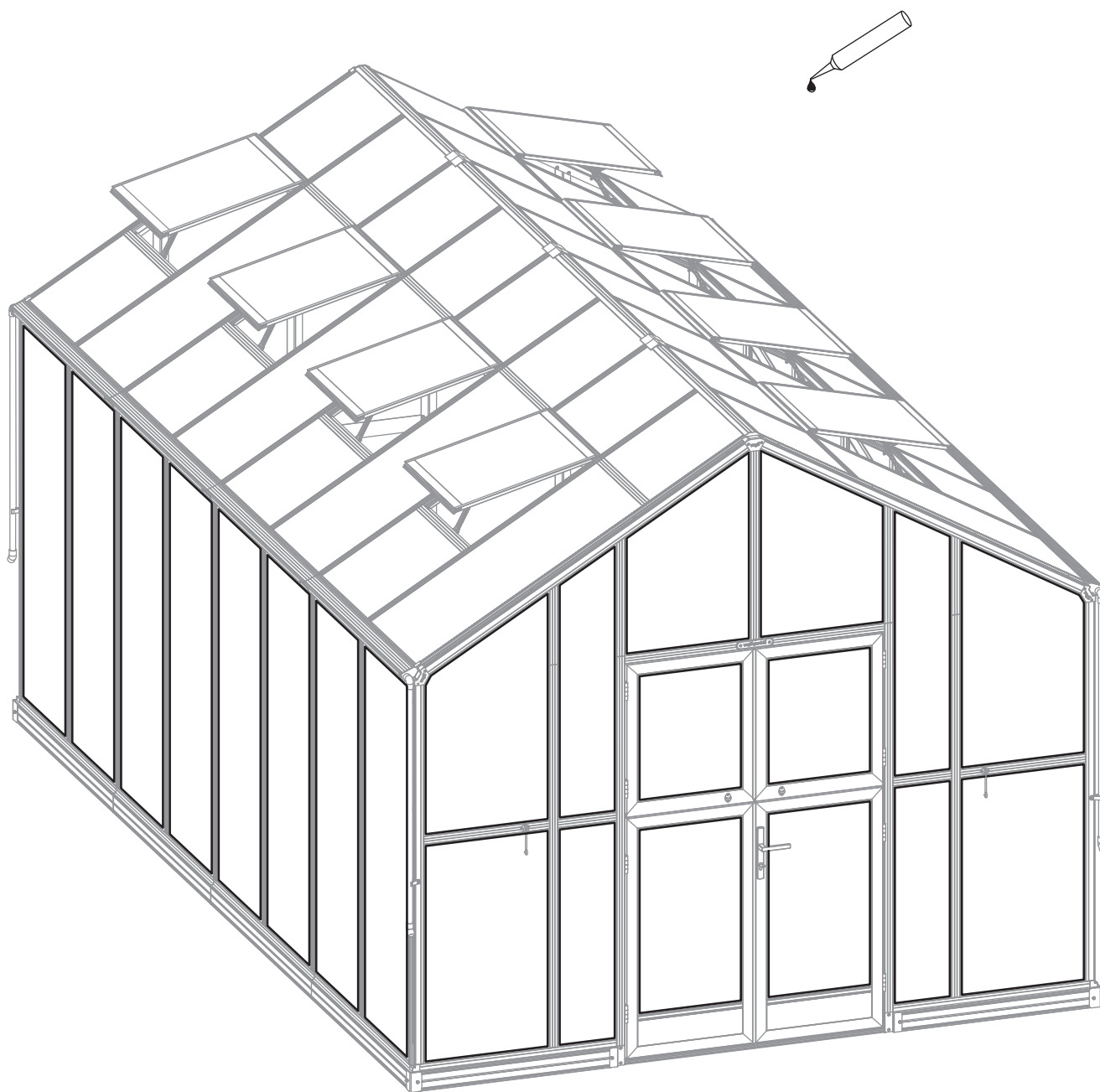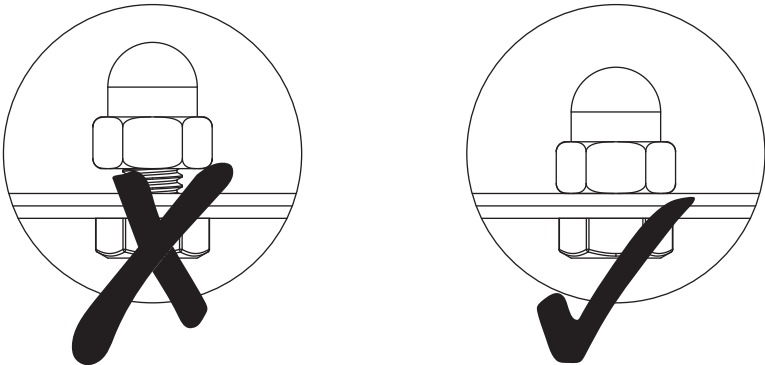
For glass wall panels, use the provided roller tool to press the J239 gasket firmly into the gap between the profile and the glass to ensure proper sealing.

BOX	PART	NO	QTY
GLBOX-1		J239	525ft
GLBOX-1		H246	1

Perform a final inspection of your greenhouse and ensure that all nuts are securely tightened.

Gardening Made Easier. Anytime, Anywhere.

Contact Us

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