![vego garden logo]

Manual for Vego Pacific Greenhouse 10.5 X 12.5 ft.
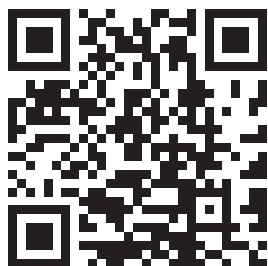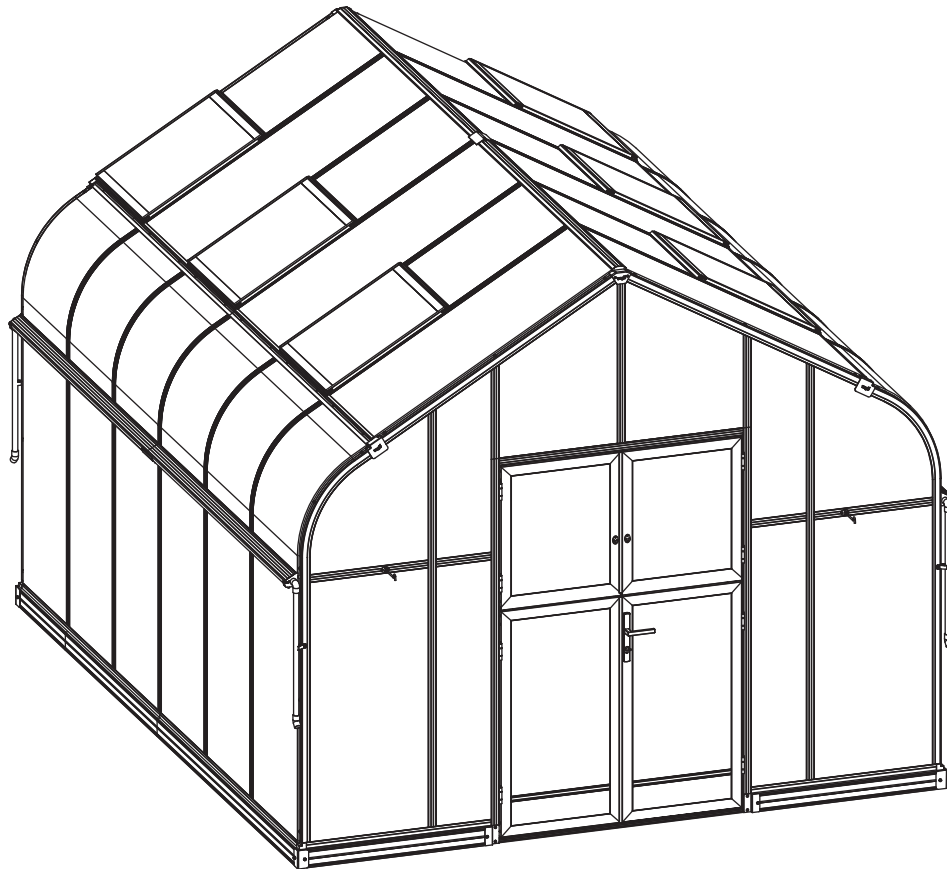
vegogarden.com

Model:
VGHP1012PCBK

Dimensions:
10.5' X 12.5' X 9.1' (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.
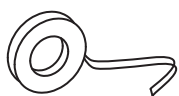
✅ Tools & Packing Information

● Tools Provided
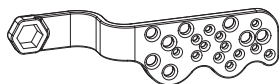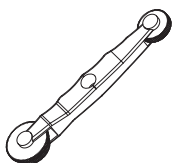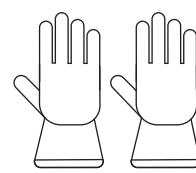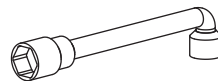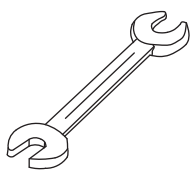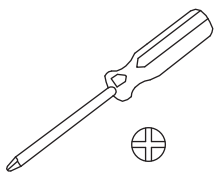
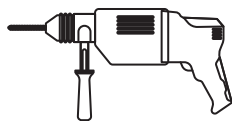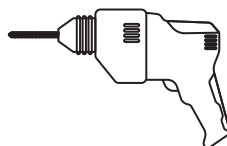## ● Tools Required (Not Provided)

Painter's tape	Tape measure	Scissors	Rubber mallet

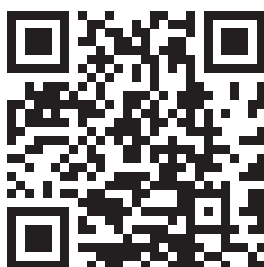| Level	Hammer drill + 25/64 Drill bit 5/16" Drill bit	Cordless driver - Philips head	6ft Ladder

● **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
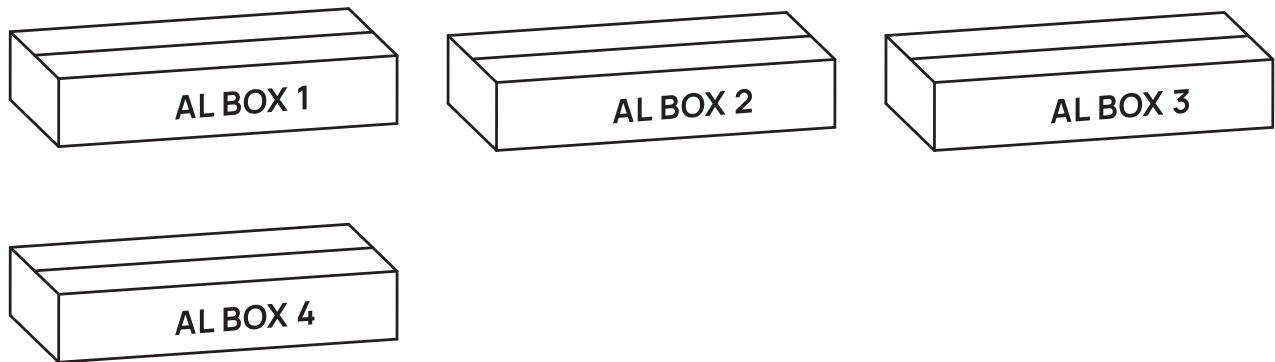
Polycarbonate Panels:
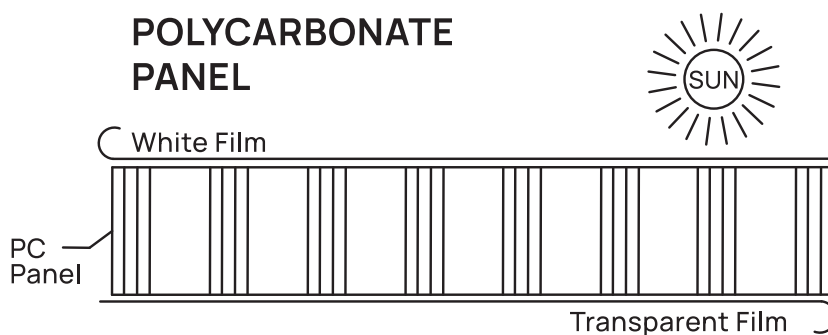
PC BOX 1

PC BOX 2

PC BOX 3
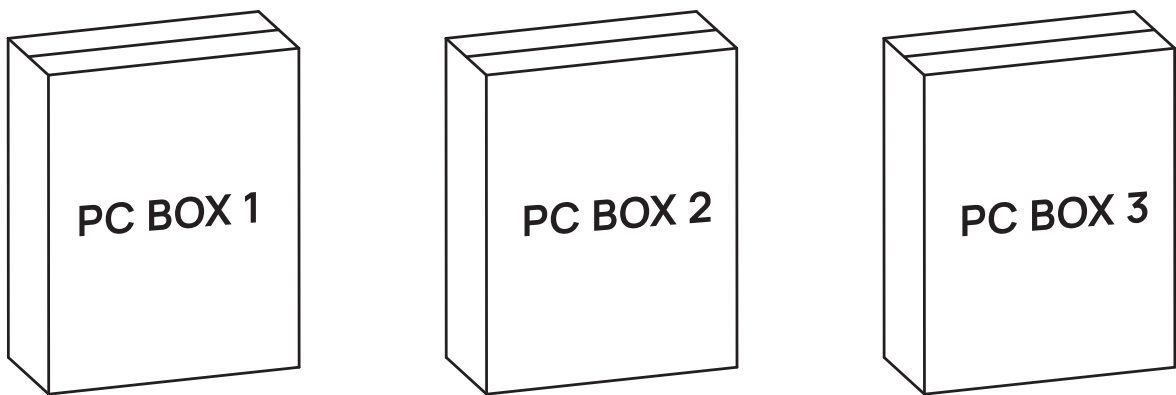
Packing List:
Please refer to documents provided in the boxes.

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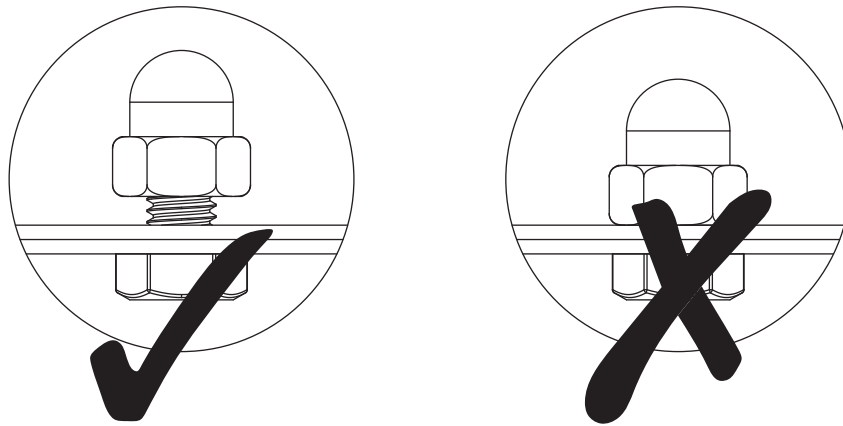
3. Keep the roof and gutters clear of snow, dirt and leaves in order to avoid damage to the product.

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.

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.
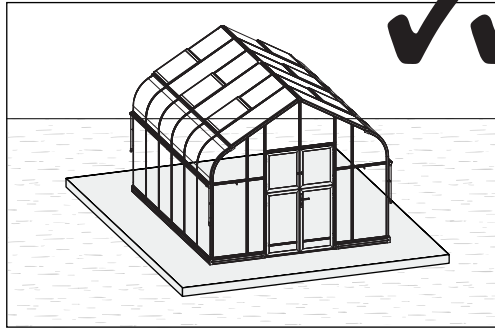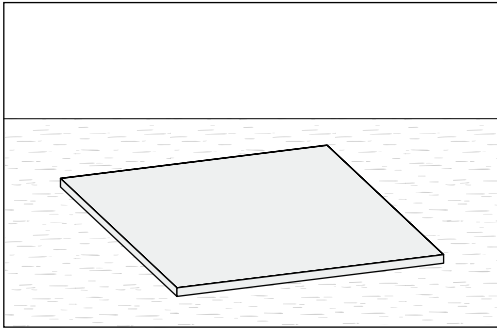
Cut edge of the
polycarbonate panel

H158/H159

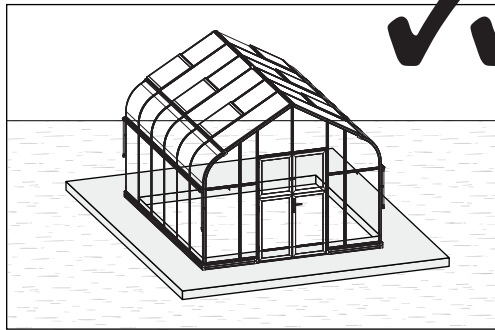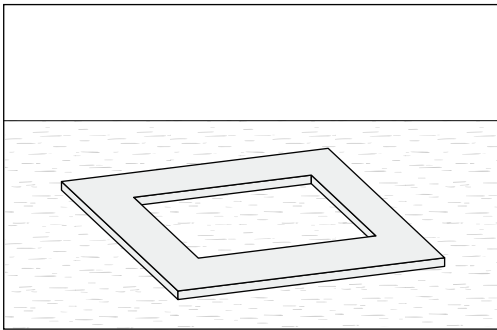H158/H159
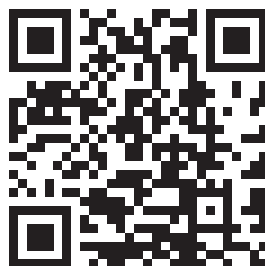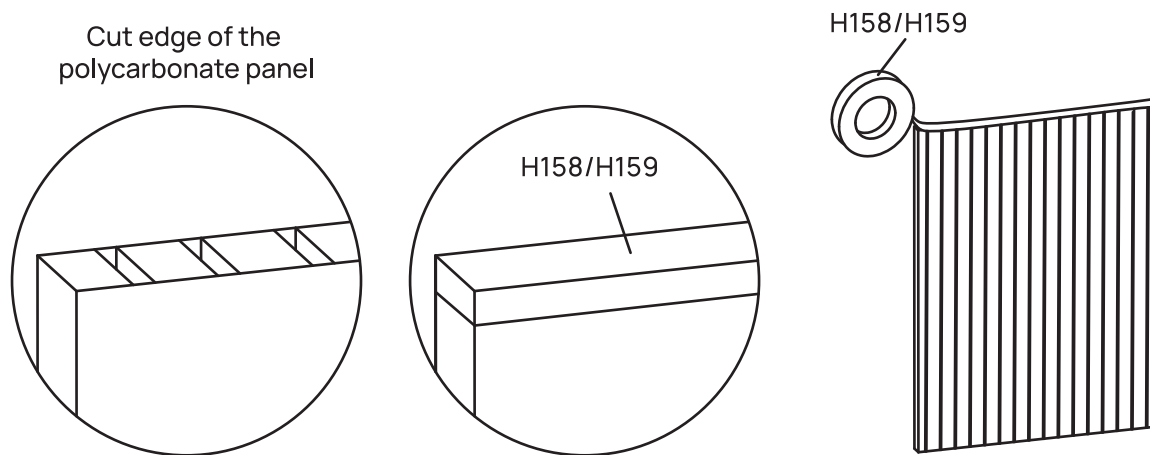
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Foundation Assembly

STEP /01

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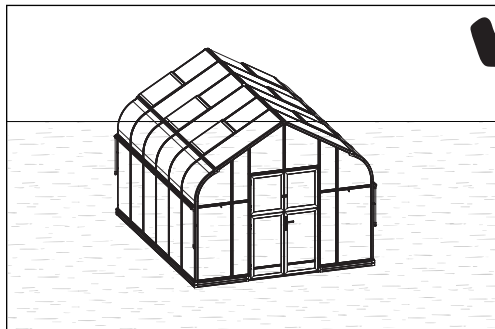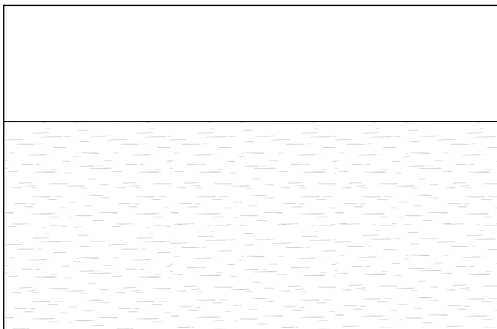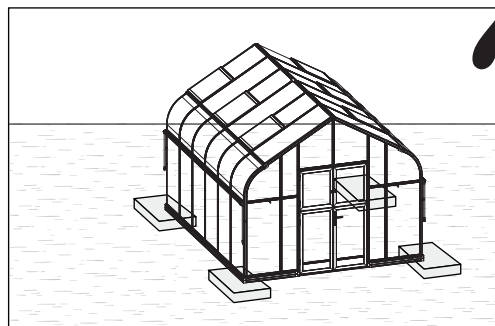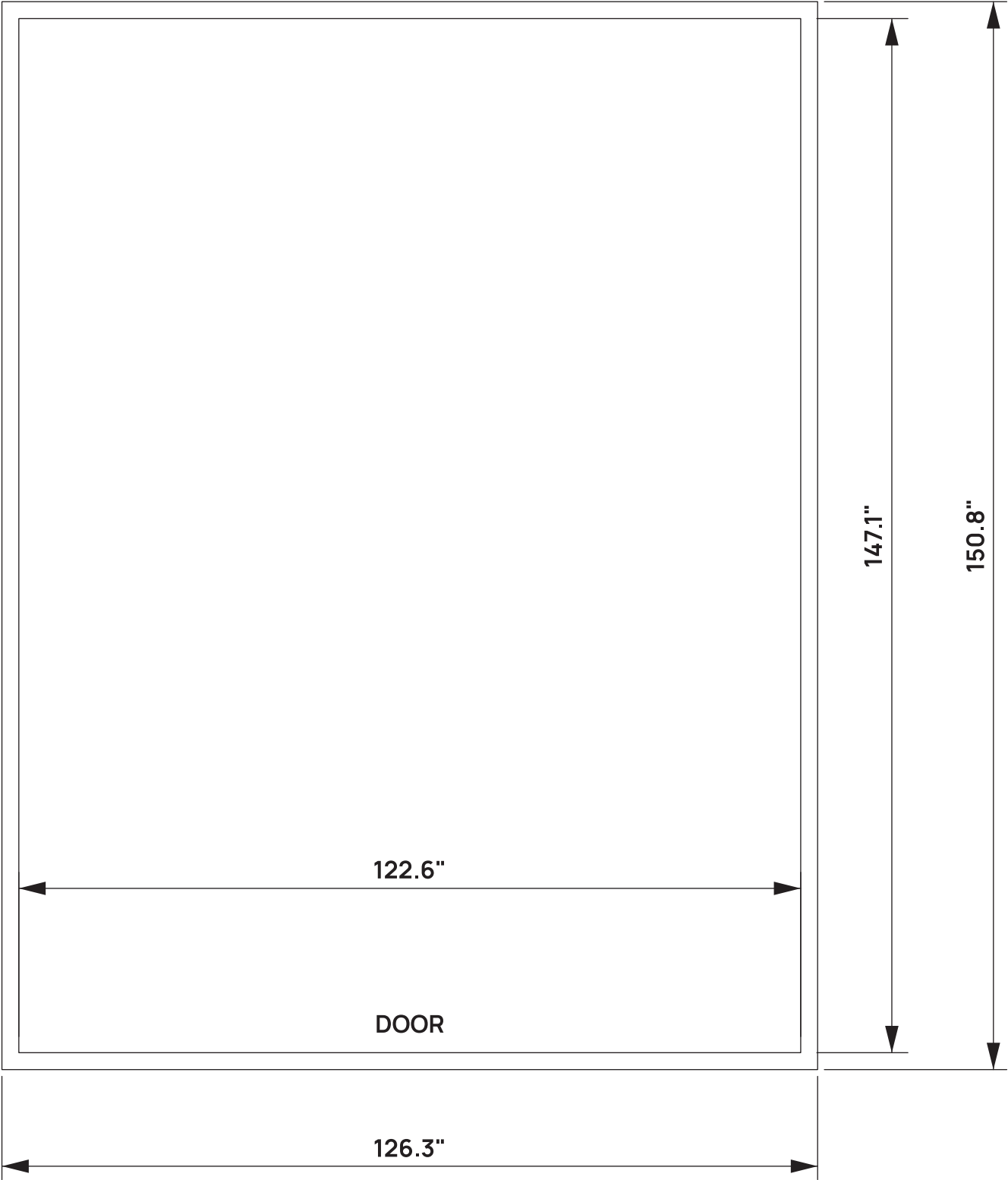
● Option 1: Solid foundation

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

147.1"

150.8"

122.6"

DOOR

126.3"

02

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

BOX	PART	NO	QTY
ALBOX-2	1913MM	DJ01	5
ALBOX-3	1290MM	DJ02	1
ALBOX-4	959MM	DJ05	2
ALBOX-4		D366	4
ALBOX-4		D73	4
ALBOX-4		D74	3
ALBOX-4		S03A M6X10	57
ALBOX-4		M24 M6	36

DJ01   DJ02

DJ01   DJ01

DJ01   DJ01

DJ05   DOOR   DJ05
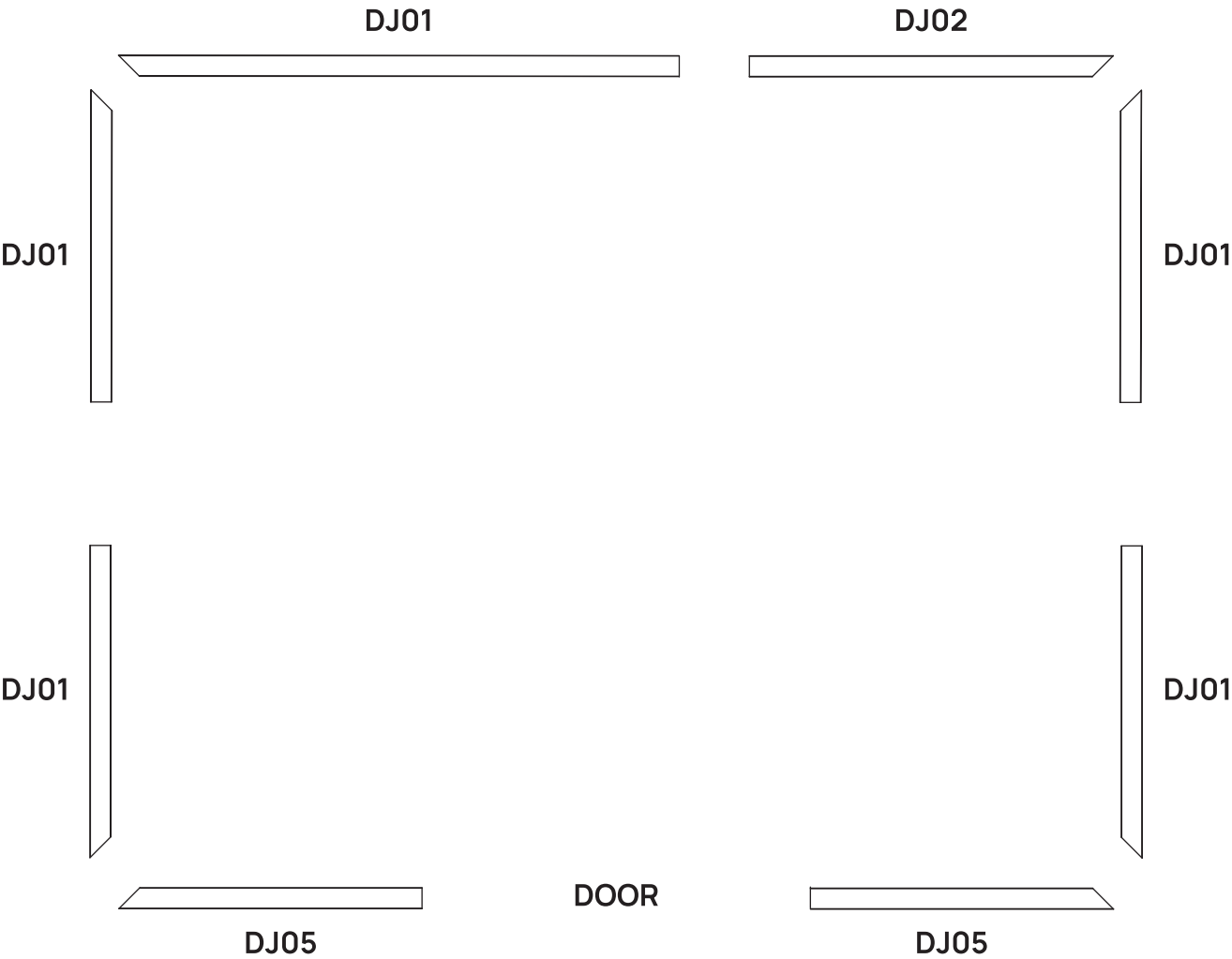
03

Slide the heads of S03A (x29) bolts in the grooves of the frame, on the inside and outside, as shown below. These will hold the outside connectors and anchor brackets.
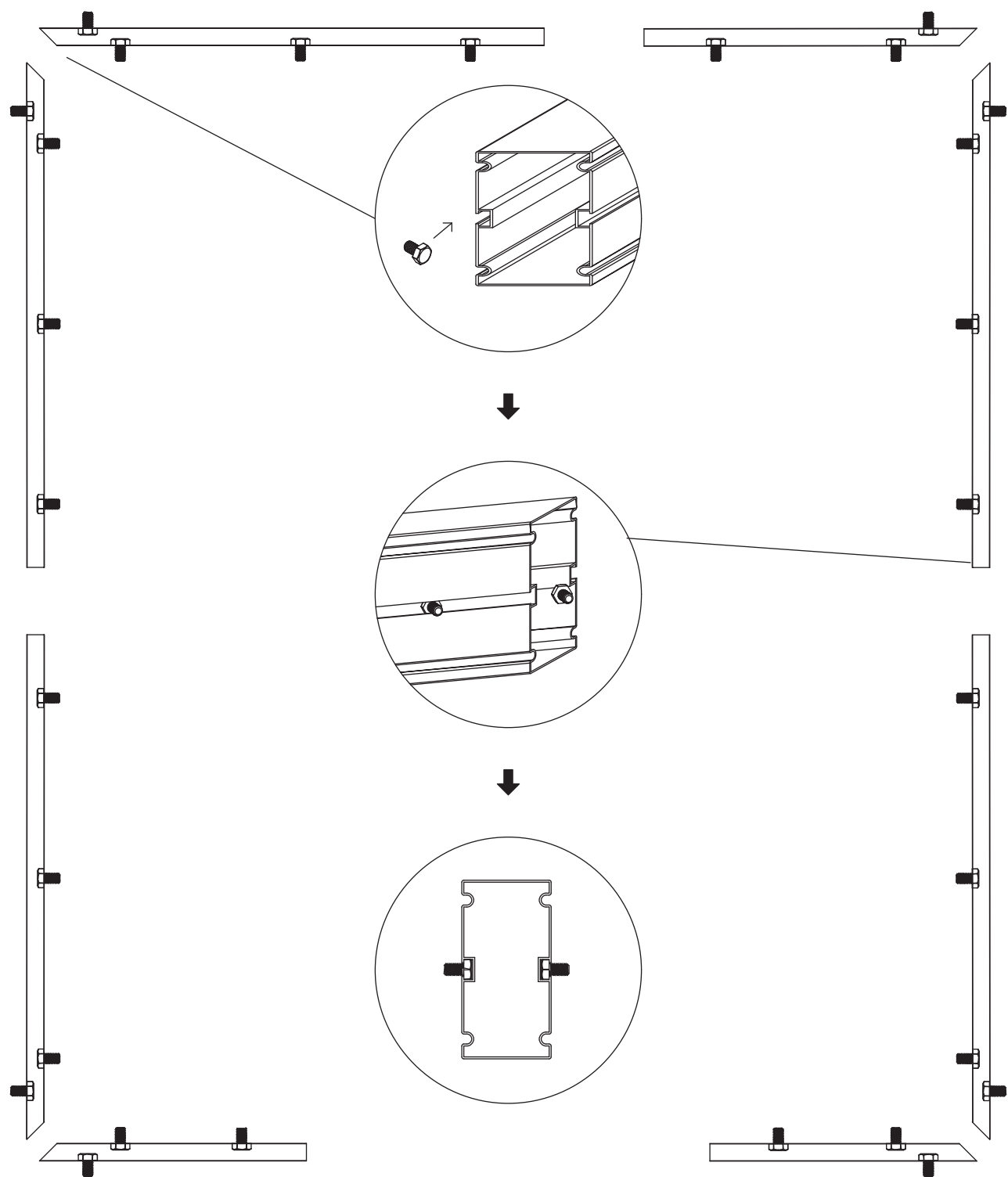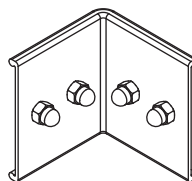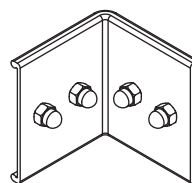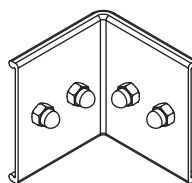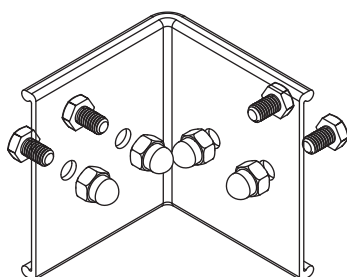
04

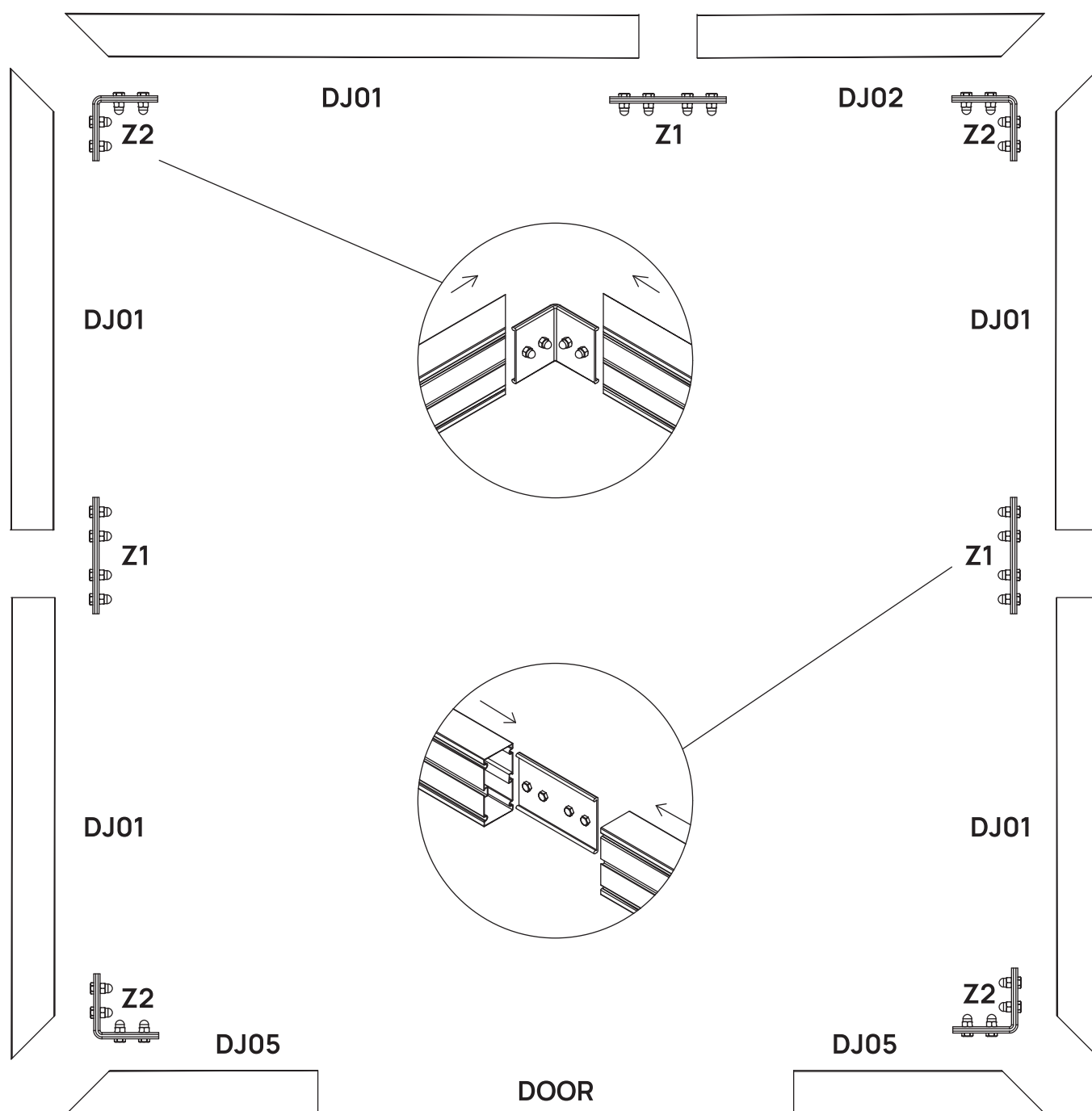Assemble 3 sets of Z1 and 4 sets of Z2 connection plates by loosely installing the bolts and cap nuts.
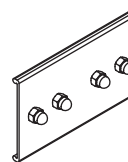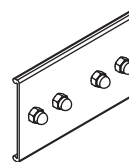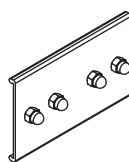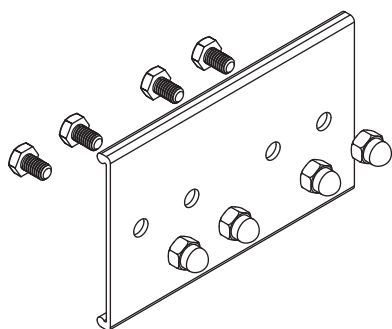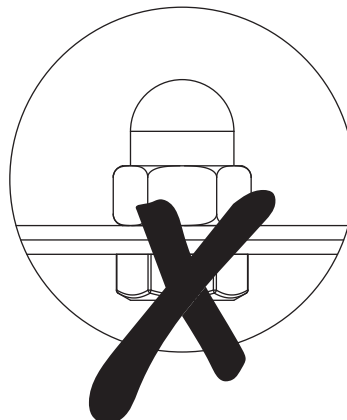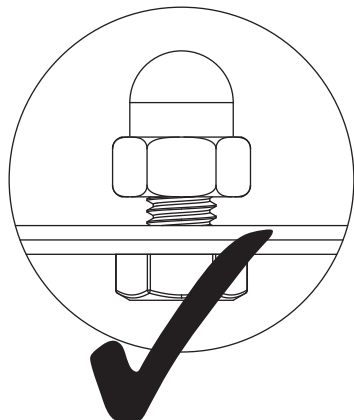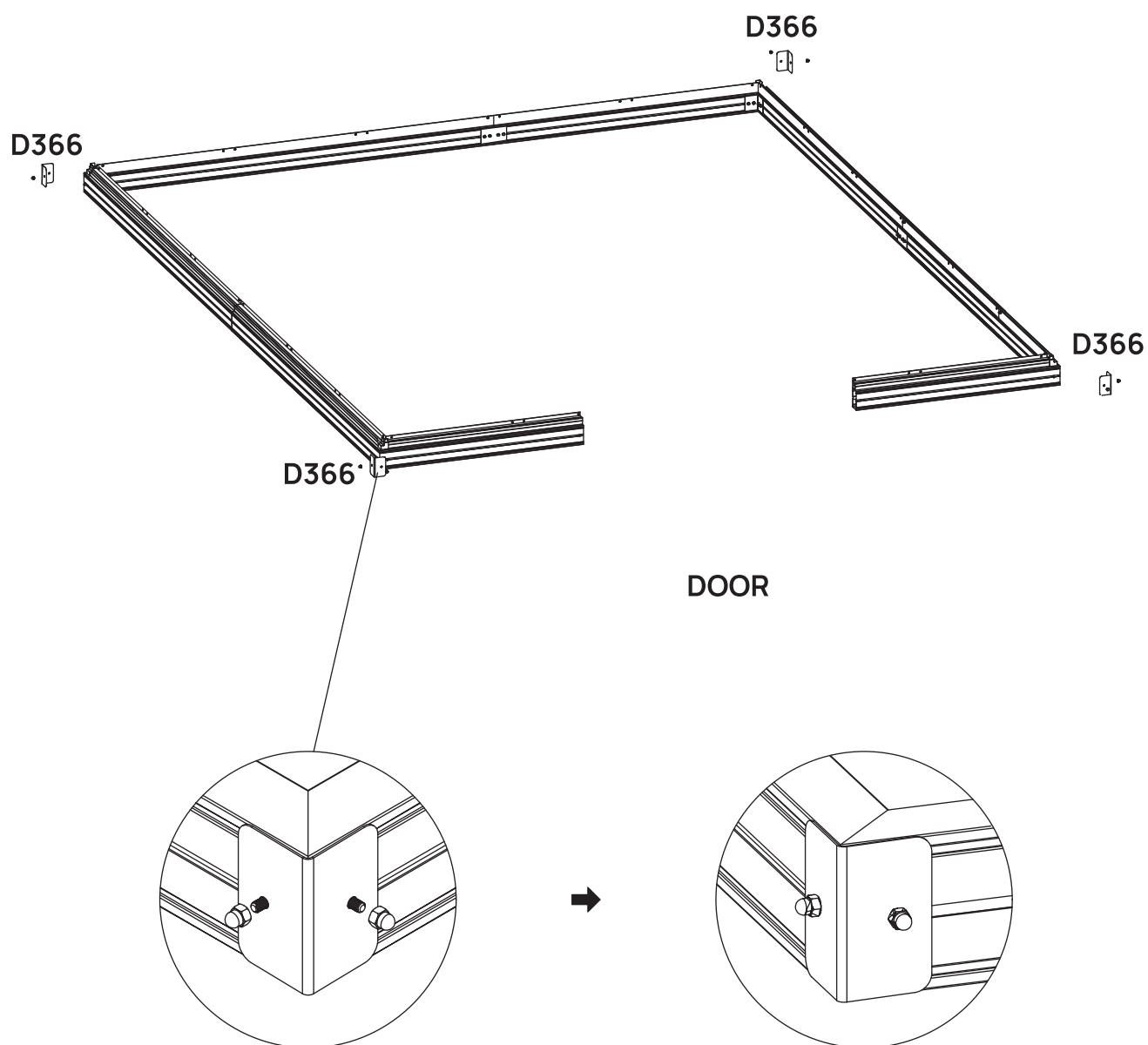
Z1 X 3
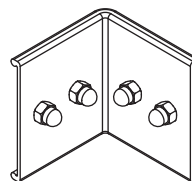
Z2 X 4

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

DJ01

Z2

Z1

DJ02

Z2

DJ01

DJ01

Z1

Z1

DJ01

DJ01

Z2

DJ05

Z2

DJ05

DOOR

06

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

D366

D366

D366

D366

DOOR
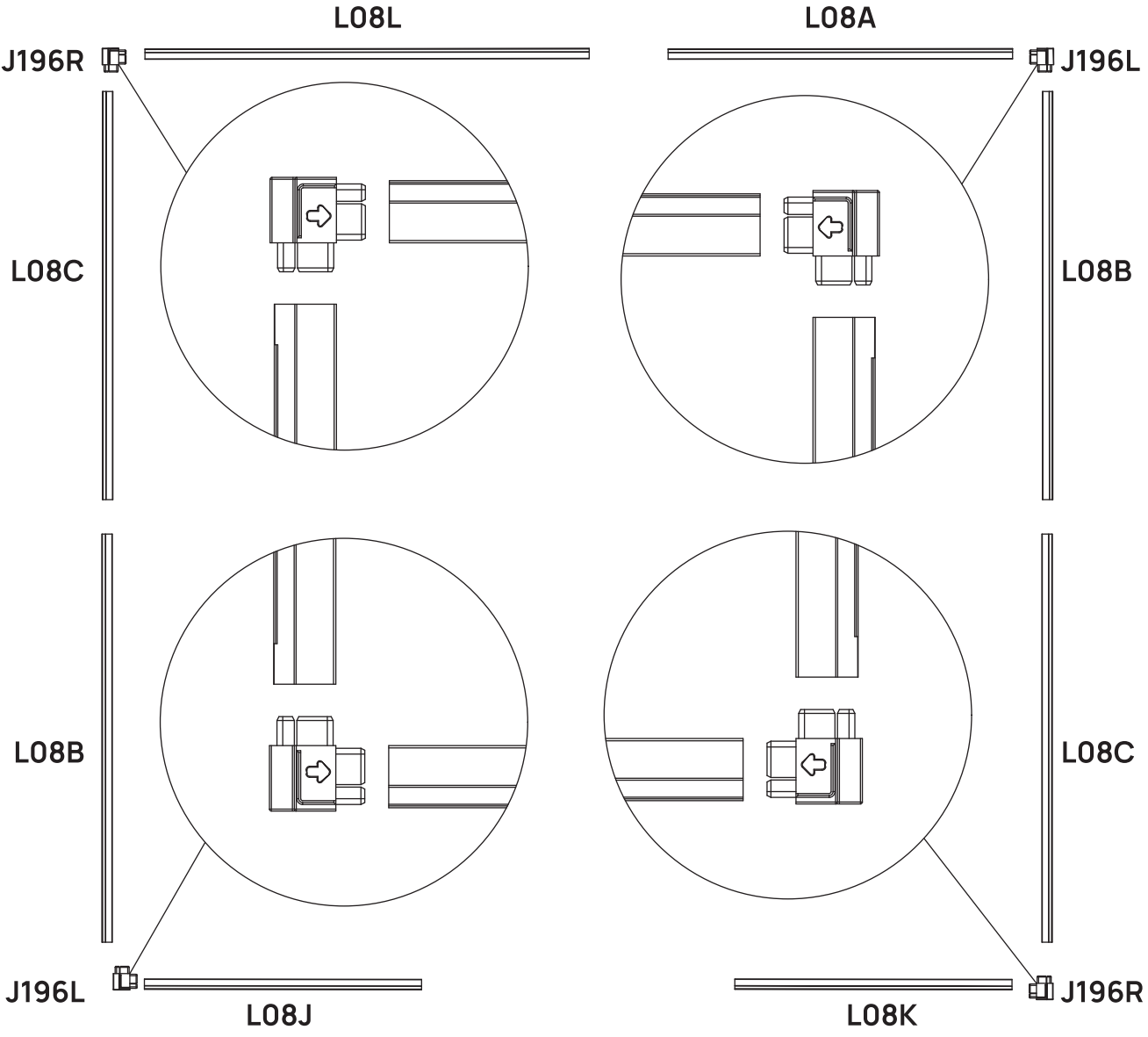
07

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-3		L08A	1
ALBOX-2		L08B	2
ALBOX-2		L08C	2
ALBOX-4		L08J	1
ALBOX-4		L08K	1
ALBOX-2		L08L	1
ALBOX-3		J196L	2
ALBOX-4		J196R	2
ALBOX-4		D76	21
ALBOX-4		D75	21
ALBOX-4		M24 M6	21
ALBOX-4		S08A M8X60	21
ALBOX-4		Z13A Ø5X40	21
ALBOX-4	Ø6.5X16X1.2	H79	21

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15

L08L

L08A

J196R

J196L

L08C

L08B

L08B

L08C

J196L

J196R

L08J

L08K

08

Mark 21 anchor holes on ground per the template below.

11.5" 25" 25" 25" 25" 11.5"

11.5" 11.5"

25" 25"

25" 25"

25" 25"

25" 25"

25" 25"

11.5" 11.5"

11.5" 12.5" 37.5" 37.5" 12.5" 11.5"
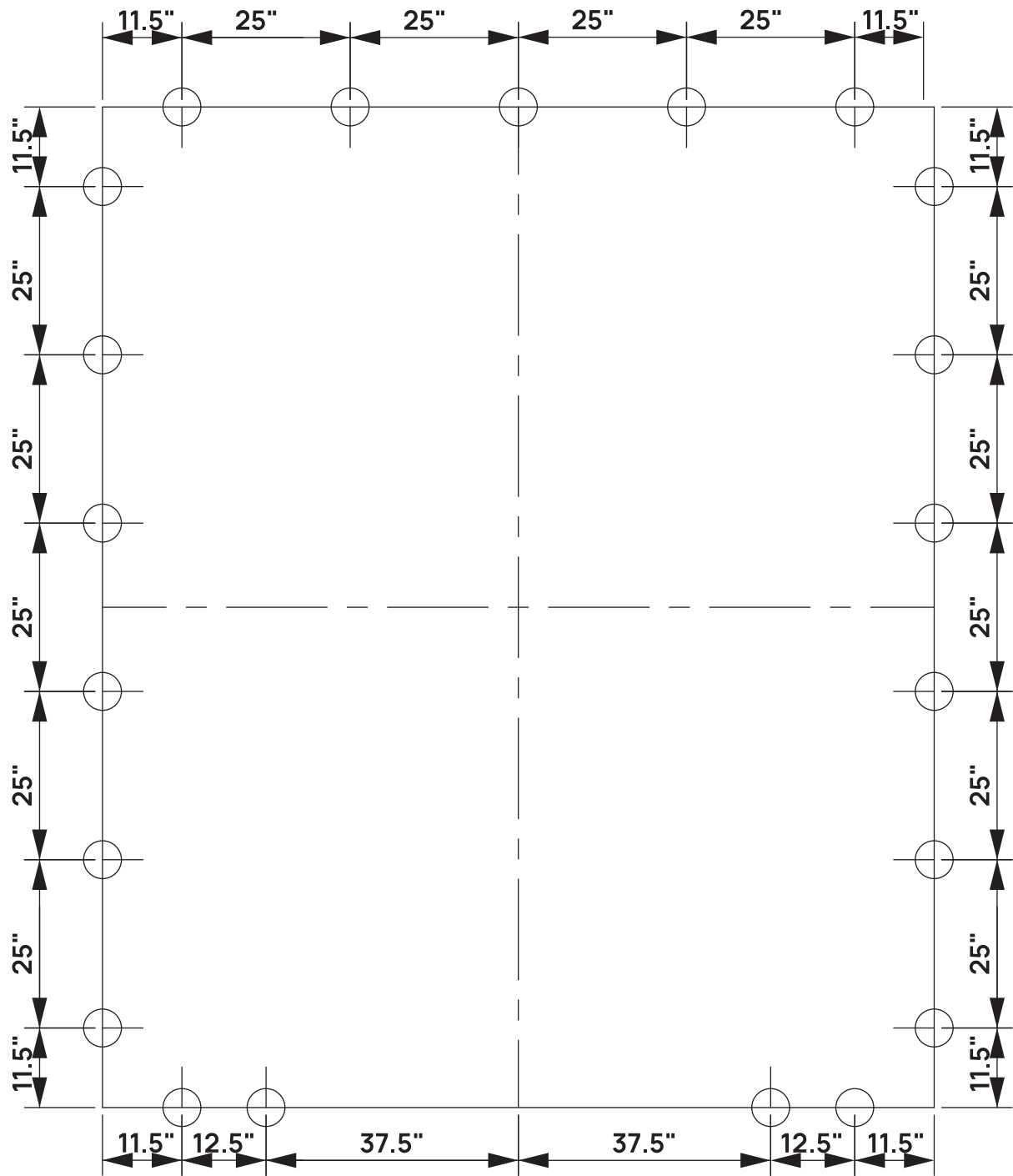
09

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
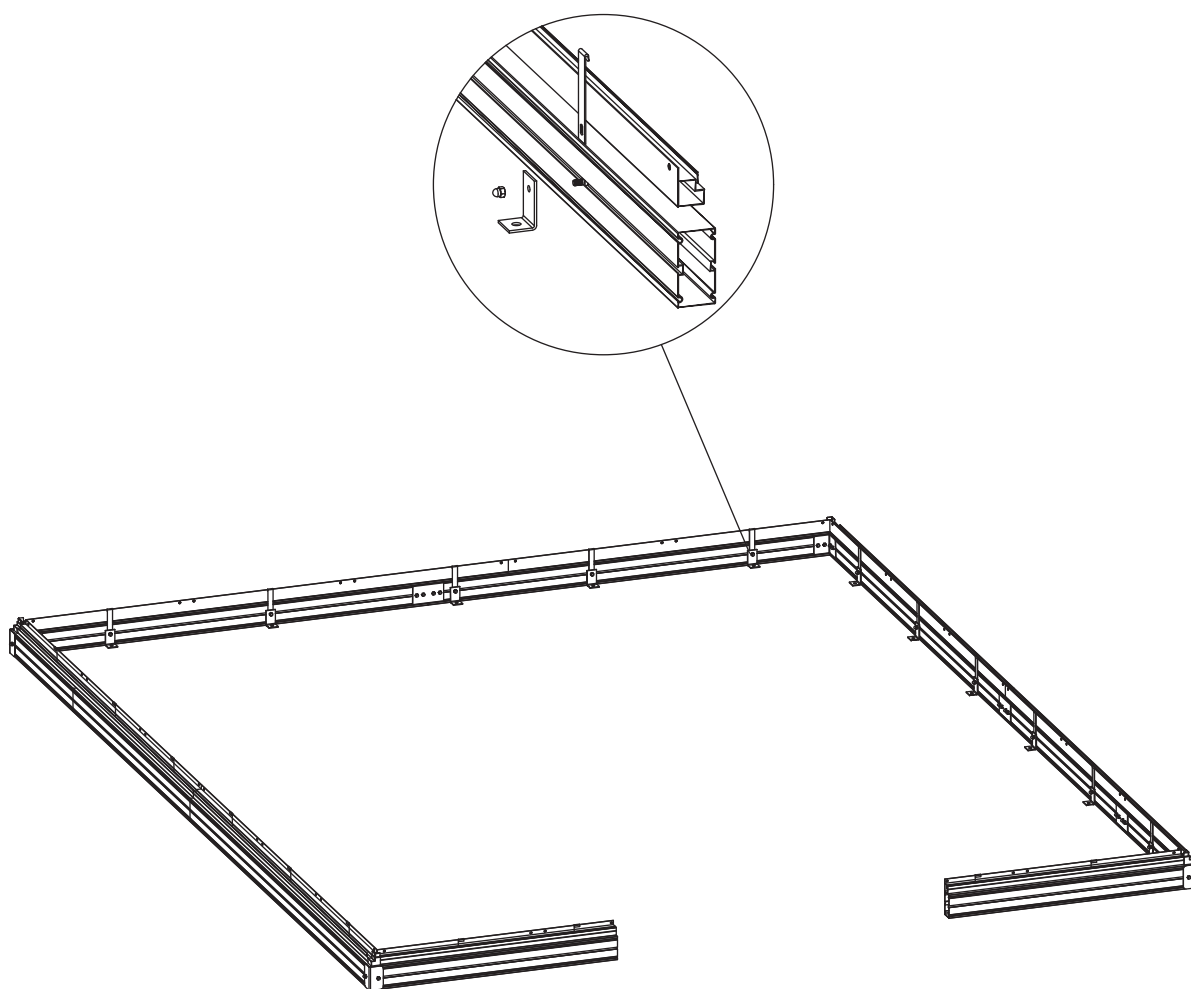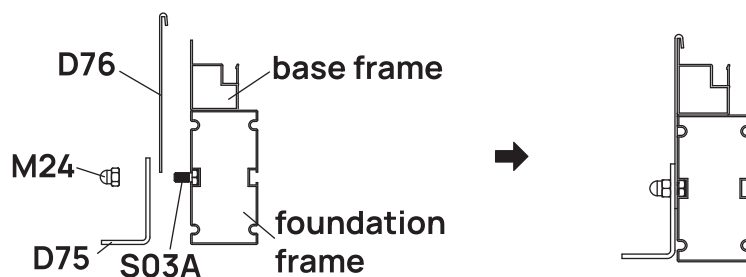
a. For wood surfaces, use Z13A wood screws and H79 washers to affix the base through the D75 bracket.
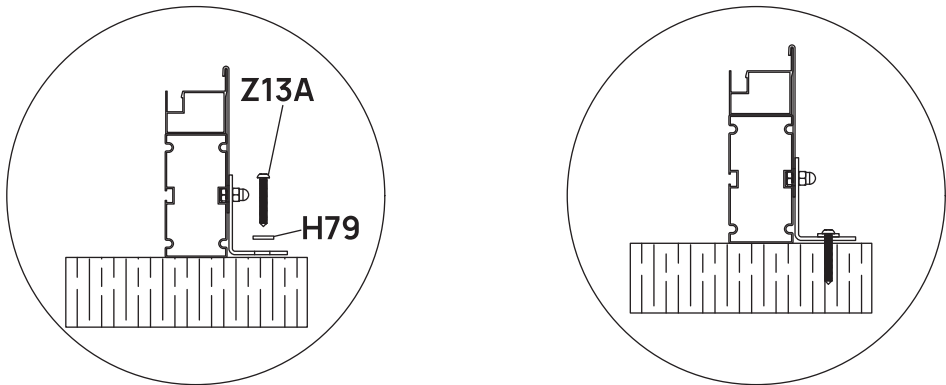
b. For cement surfaces, drill holes at a 2" depth with a hammer drill and 25/64" drill bit. Insert S08 expansion bolts into the holes, and attach D75 bracket using the included nuts.
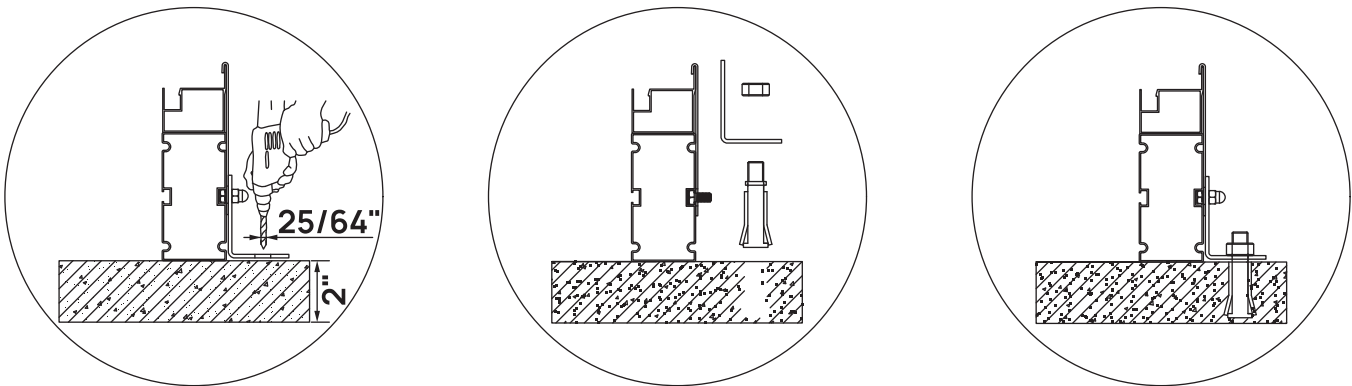
c. For bare ground installation, purchase heavy duty landscape stakes at least 12" long with a diameter of ≤ 3/8". Drive the stakes through the brackets and into the soil.

Wall Assembly

Align the L22 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-3		L22	1
ALBOX-4		J111	2
ALBOX-4		J129	3
ALBOX-4		Z13 Ø5X40	3
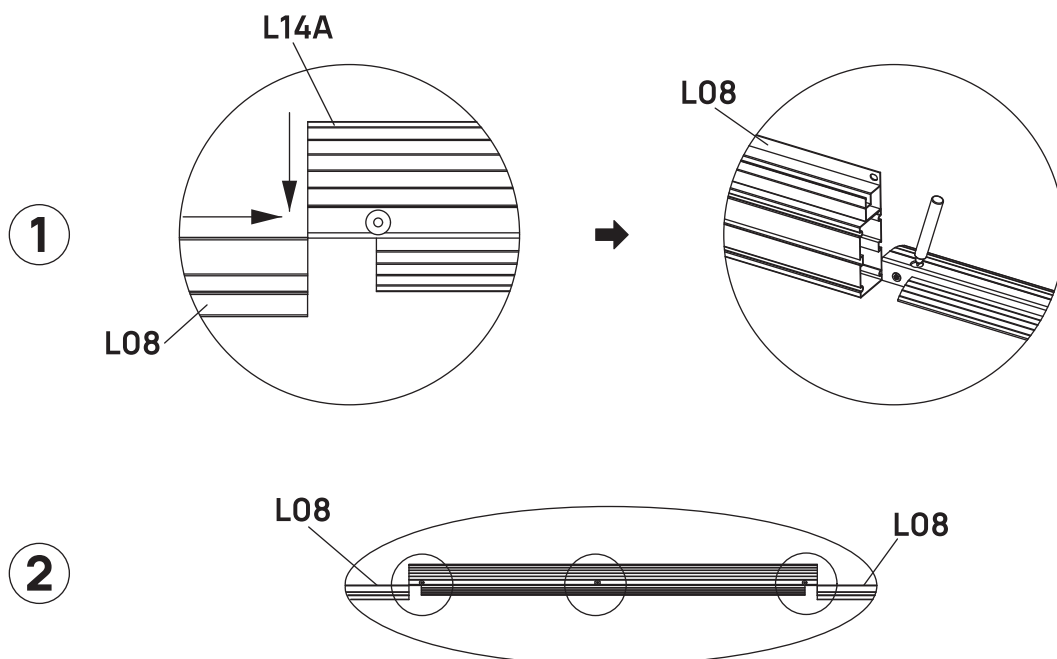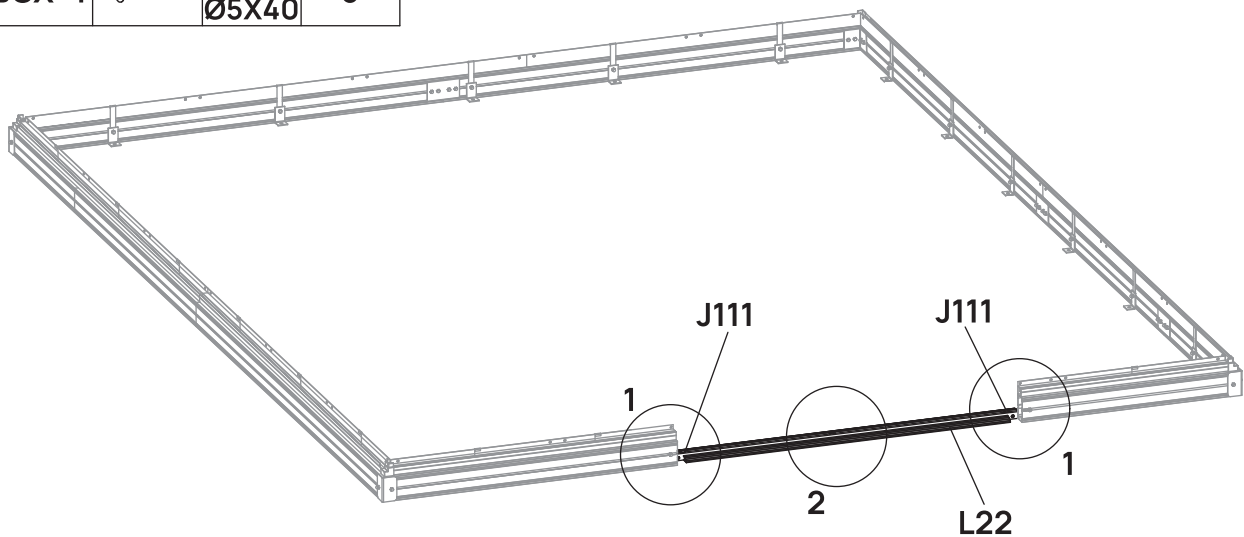
a. For wood surfaces, use Z13A screws to affix the threshold directly to the ground.
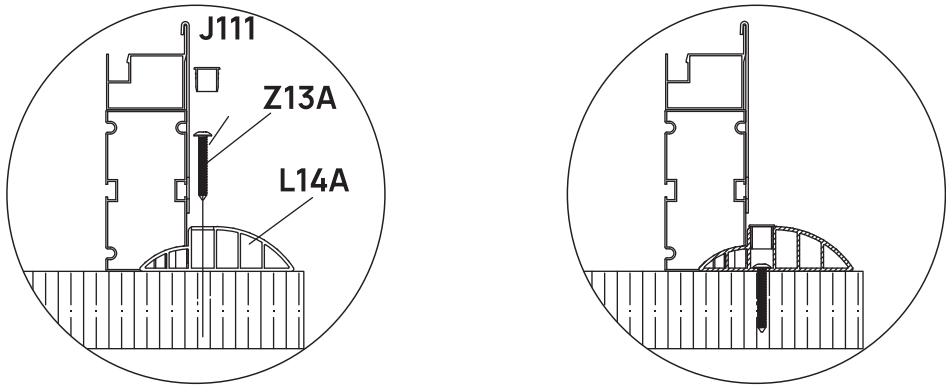
b. For cement surfaces, remove the threshold piece, drill pilot holes at 2.5" depth with a 5/16" drill bit, insert J129 expansion anchors into the holes, then use 13A screws to affix threshold back to the ground.
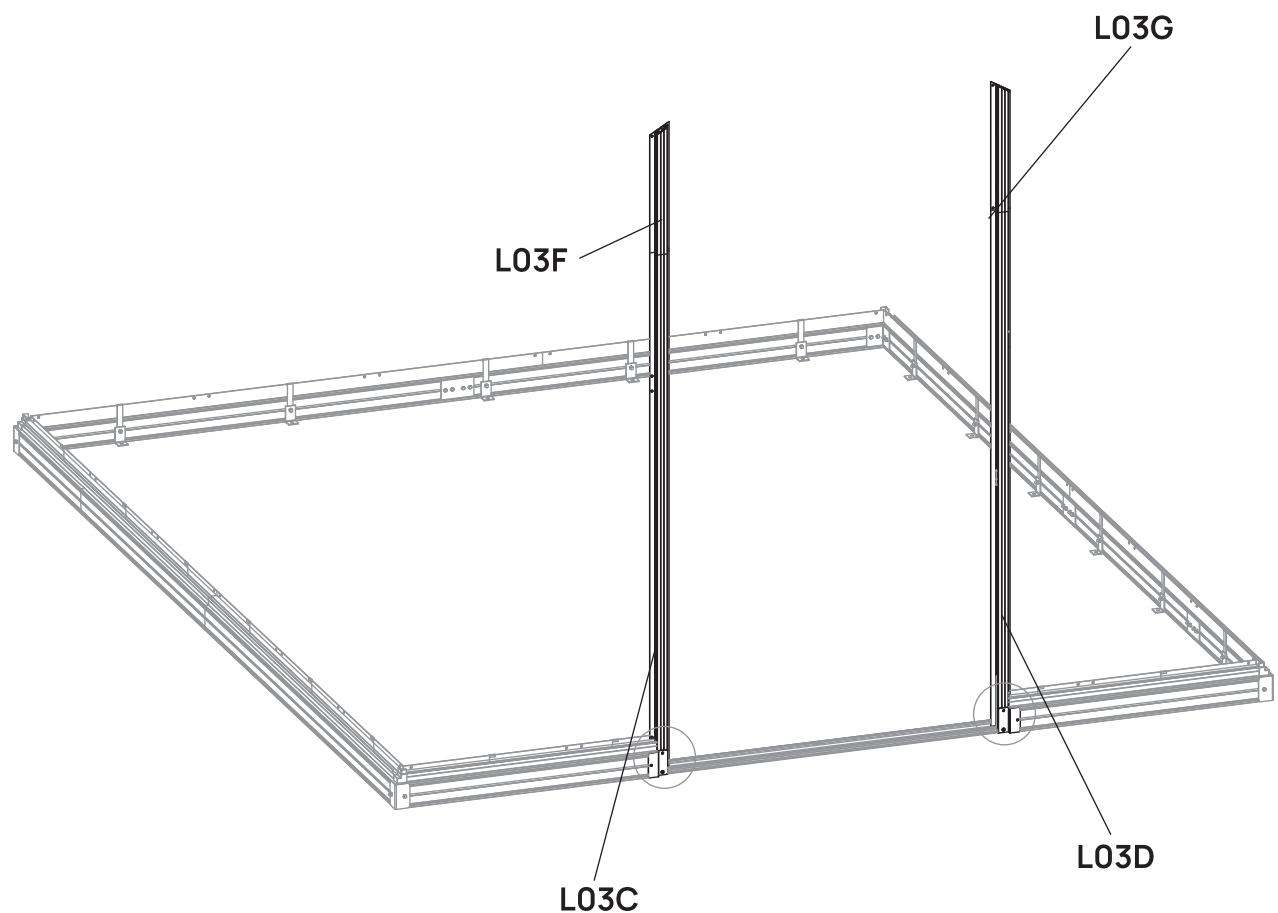Finally use J111 caps to seal the holes.
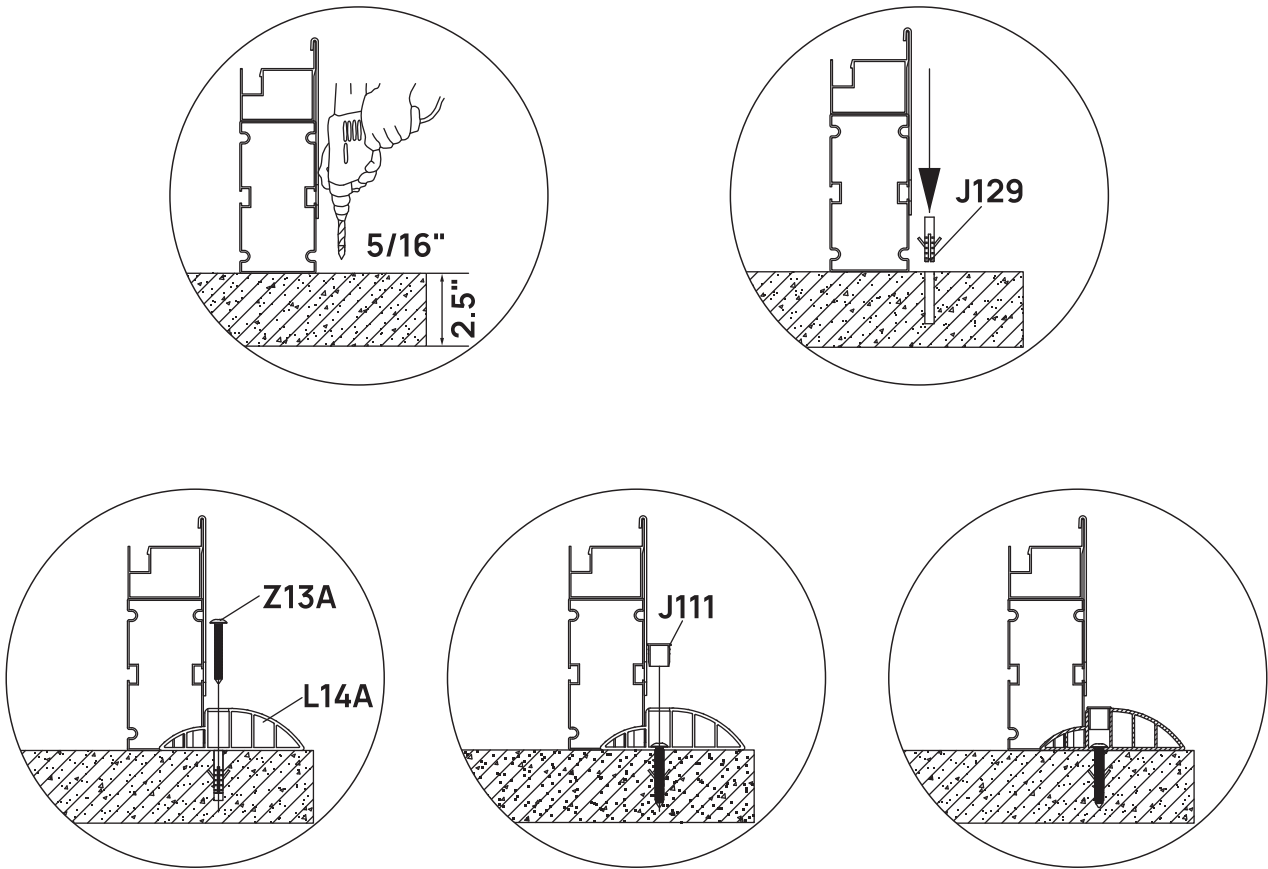
Note: The middle hole is not equipped with J111.

Assemble 2 sets of L03 door frame pieces as shown, using D470 connectors and Z17A screws. Use only one Z17A screw on the inner side of L03C and L03D as shown.

BOX	PART	NO	QTY
ALBOX-2		L03C	1
ALBOX-2		L03D	1
ALBOX-4		L03F	1
ALBOX-4		L03G	1
ALBOX-4		D470	2
ALBOX-4		D469	2
Pre-installed		S26A M5X12	2
ALBOX-4		S99 M5X45	2
ALBOX-4		Z17 M4.8X16	14
ALBOX-4		S03A M6X10	4
ALBOX-4		M24 M6	4

L03F

L03G

D470

Z17

D470

D470

L03C

L03D

Z17 x 3

Z17 x 4

L03C/D

D470

L03I/J

L03G

L03F

L03D

L03C

S03A

S03A

M24

S26A

S03A

D469

S99

M24

S99
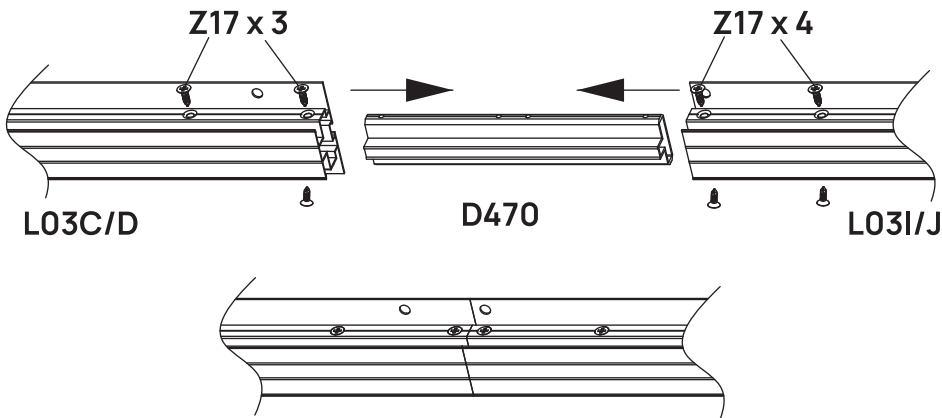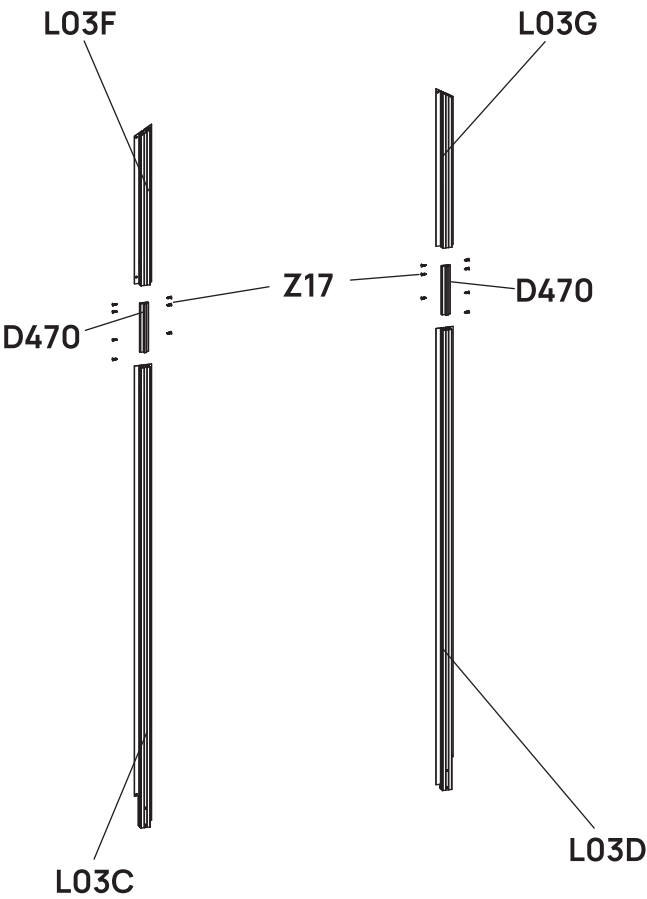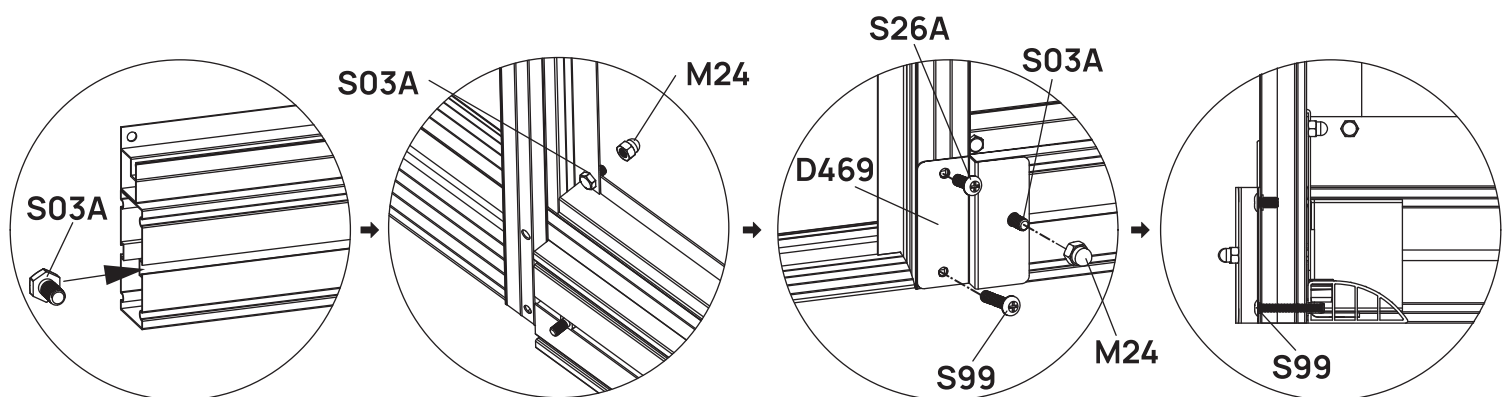
Slide one S03A in the groove of the foundation piece in the front as shown. Attach the L03 door frame to the base and foundation, secure it with the mounting plate D469, using different bolts as shown.

Note: S26A is pre-installed.

Assemble L01A/B curve frames on both sides as shown. Loosely attach all bolts and nuts. Do not tighten until the entire wall frame is completely assembled.

BOX	PART	NO	QTY
ALBOX-1		L01A	1
ALBOX-1		L01B	1
ALBOX-4		L05C	2
ALBOX-4		S03A M6X10	12
ALBOX-4		M24 M6	12

L01B

L01A

1

1

1

L01A/B

L08

J196L/R

L08F

S03A

L01A/B

M24

L08
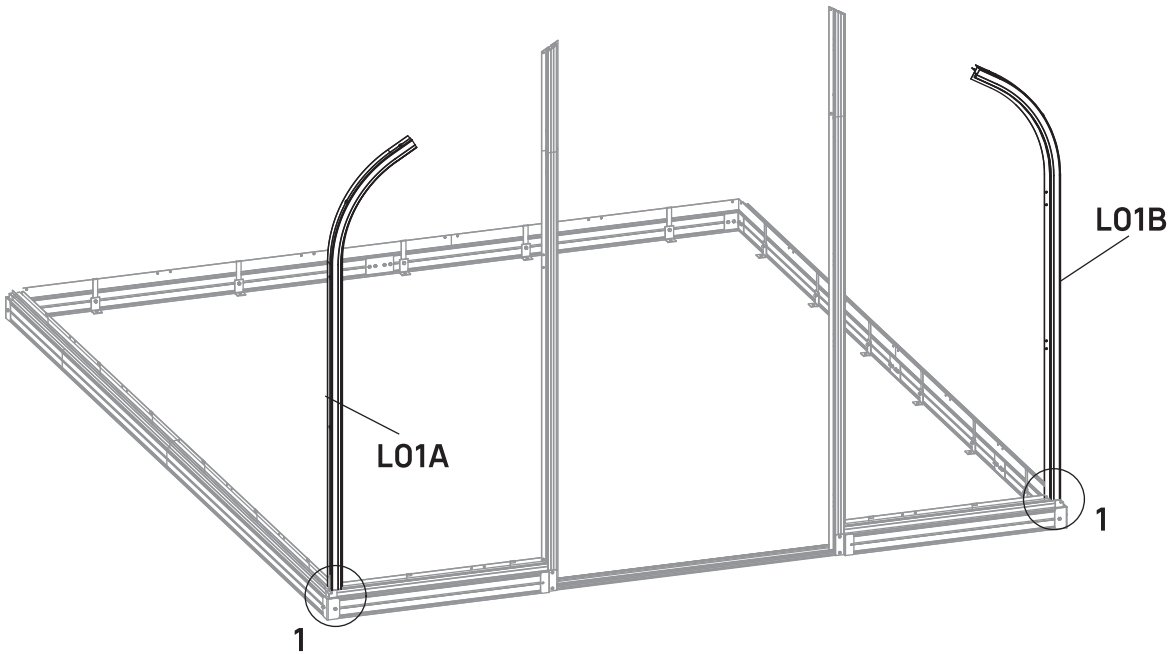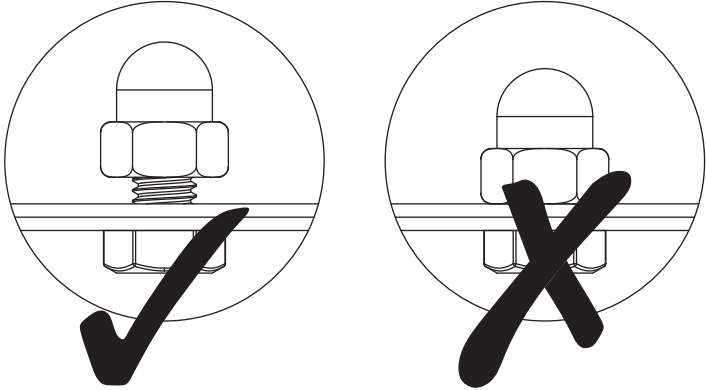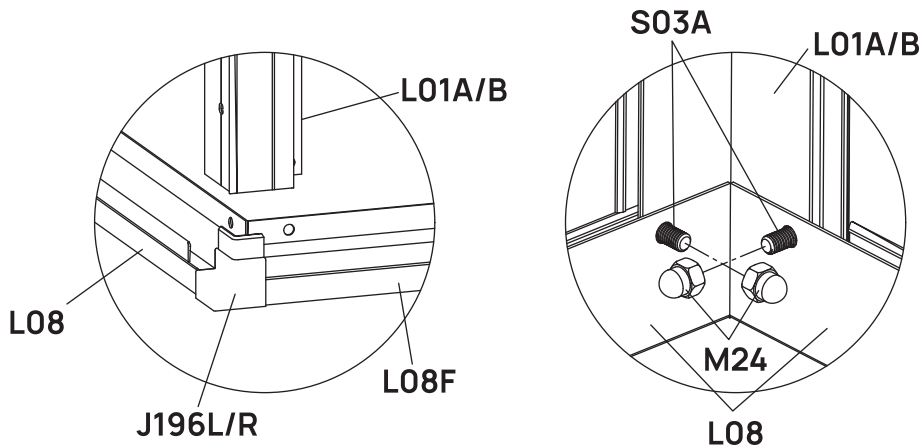
04

Assemble L05C inner connecting frames as shown.

2

3

L05C

3

2

L05C

②

S03A

L05C

M24

③

S03A

L05C

M24
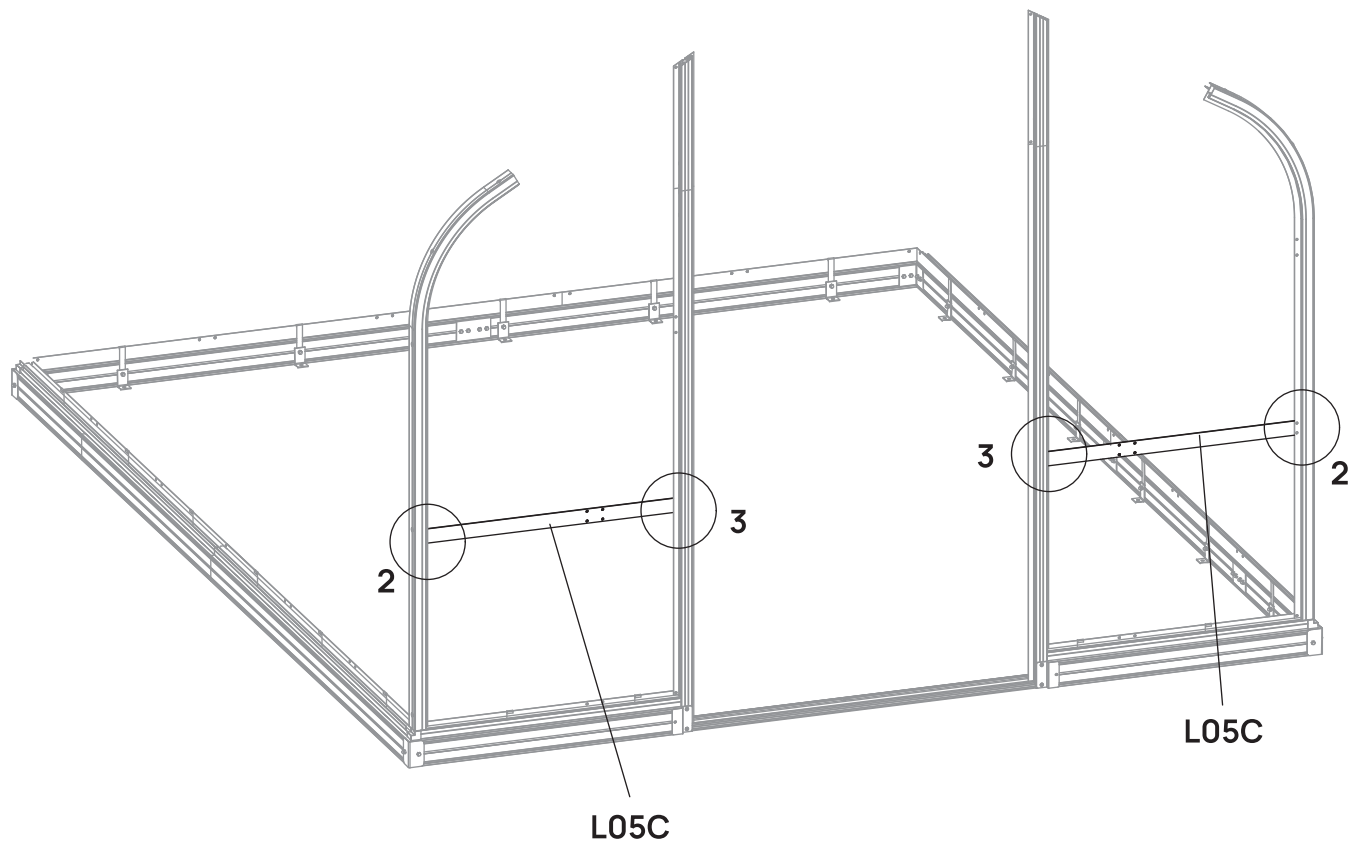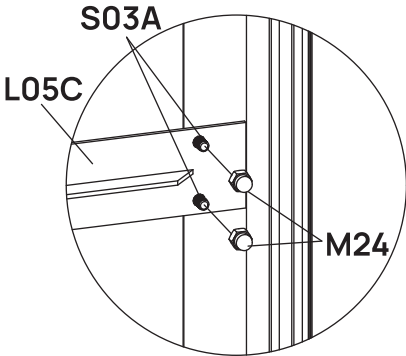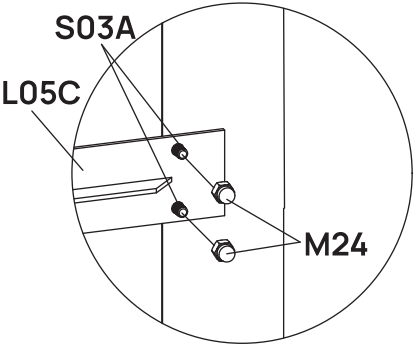
Assemble L04A frames on both sides as shown.

BOX	PART	NO	QTY
ALBOX-4		L04B	2
ALBOX-4		S03A M6X10	4
ALBOX-4		M24 M6	4
PCBOX-3		Y1	1
PCBOX-3		Y2	1
PCBOX-3		Y5	2
PCBOX-2		H158	1

①

L04B

M24

S03A

L04B

L04B

1 1

1
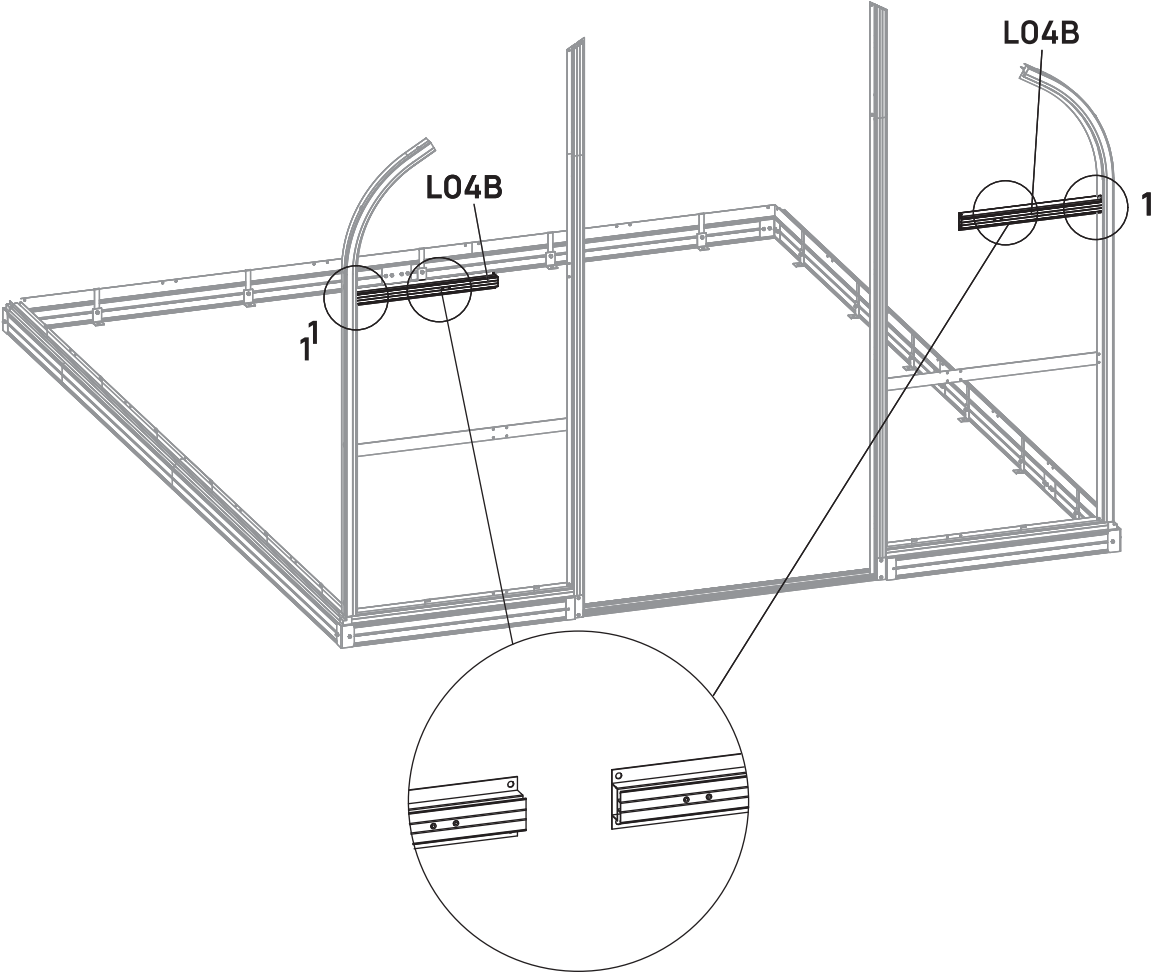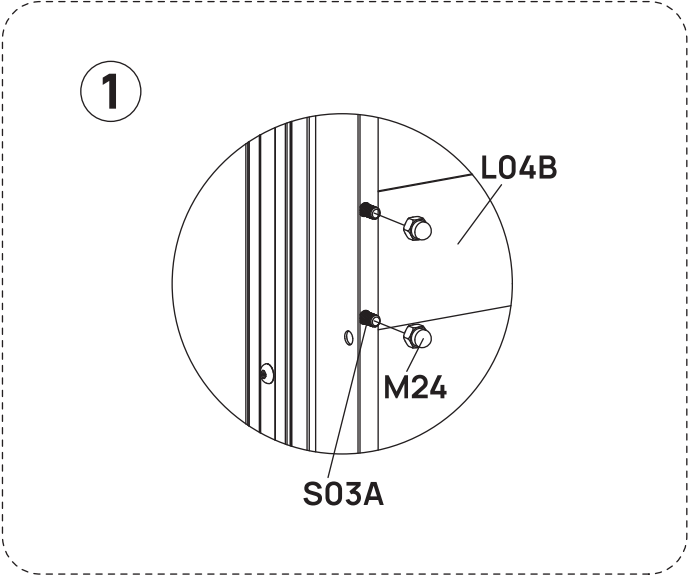
The ends of L04B with screws face to the door.

06

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

SUN

White Film

PC Panel

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
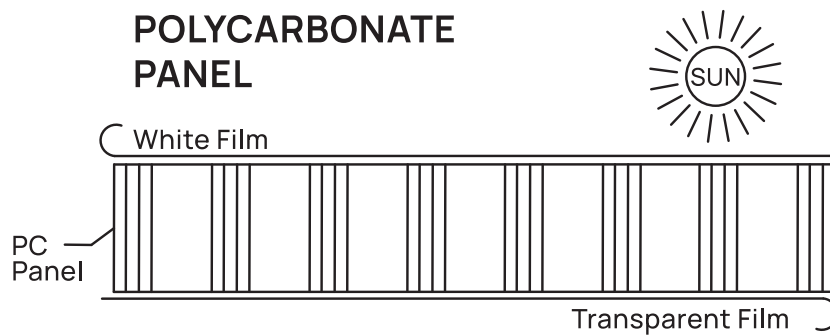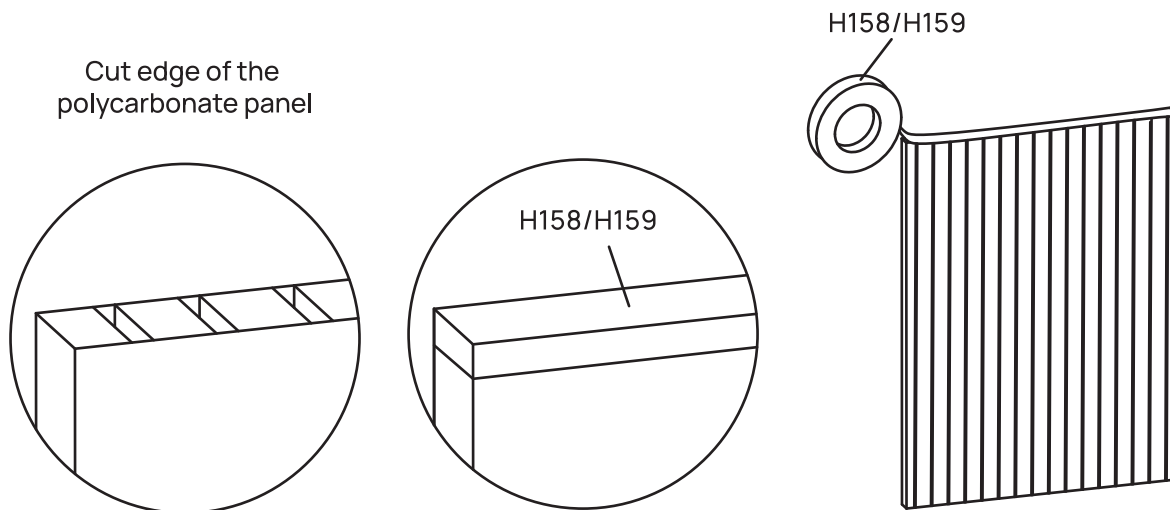
Insert Y1/2 and Y5 PC panels into place as shown.
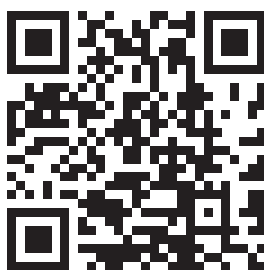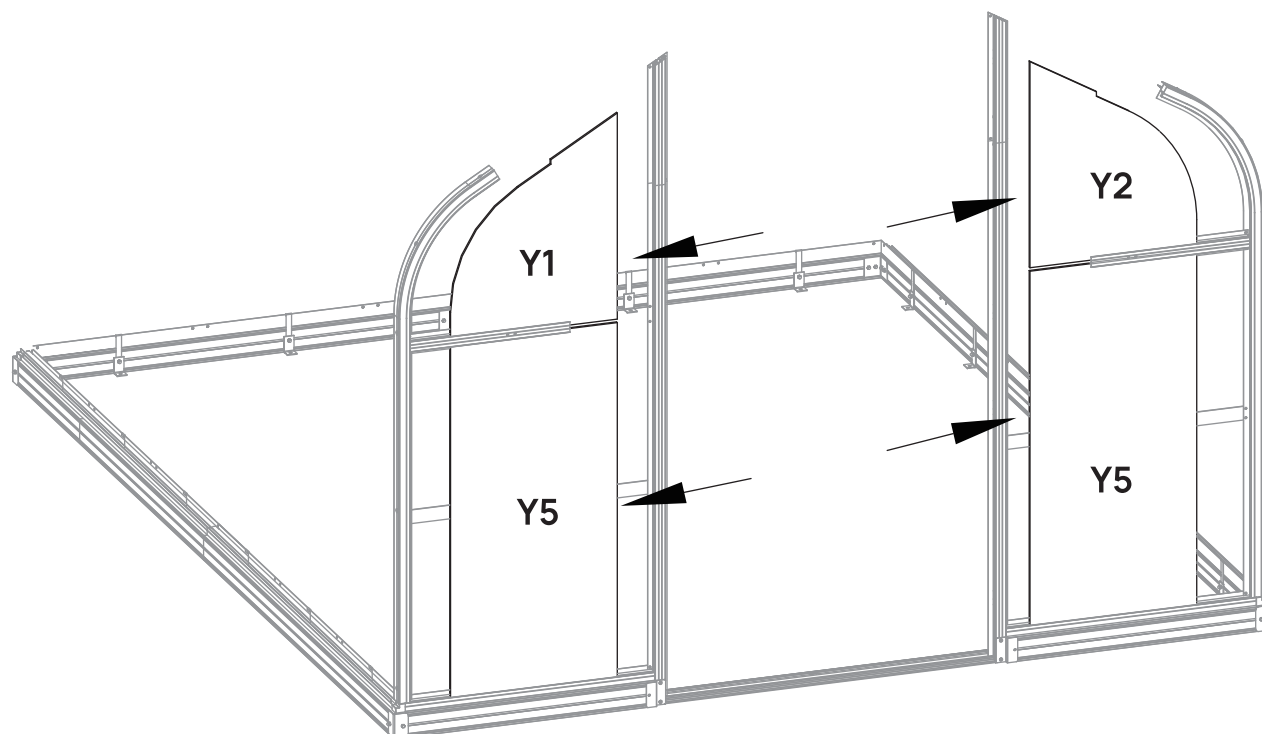
vegogarden.com

Assemble L03A and L03B frames as shown.

BOX	PART	NO	QTY
ALBOX-2		L03A	1
ALBOX-2		L03B	1
ALBOX-4		S03A M6X10	16
ALBOX-4		M24 M6	16

L03A

L03B

2

2

3

3

1

1

1

L03A/B

S03A

M24

L08A/J/L

2

S03A x 2

L03A/B

L04A

M24 x 2

3

S03A x 4

L03A/B

M24 x 4

L05A/B/C
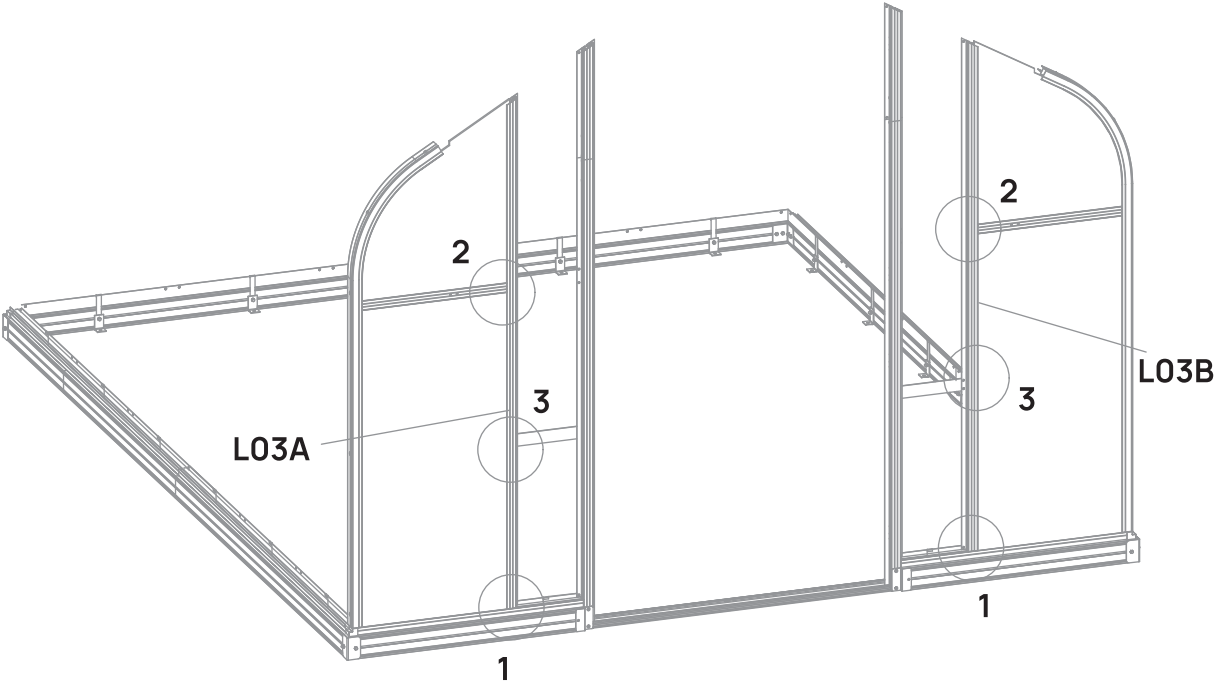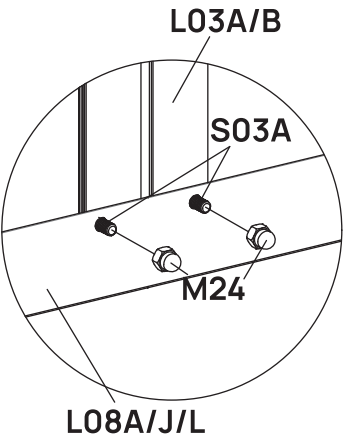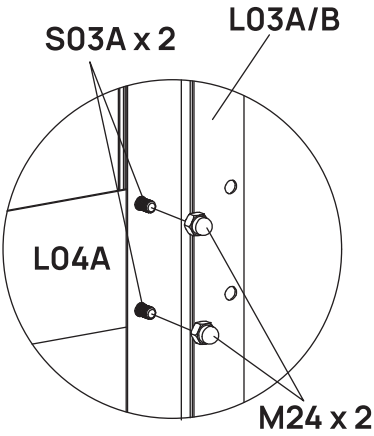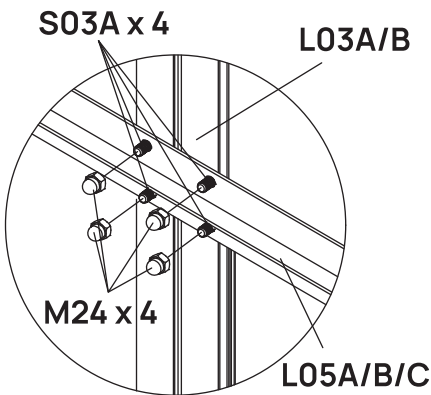
Note: For easier installation, use the provided hex tool.
Position the head of S03A bolt in the tool, then use it to insert the bolt into the frames and secure with M24 nut.
Repeat this process for all hard-to-access locations.

S03A
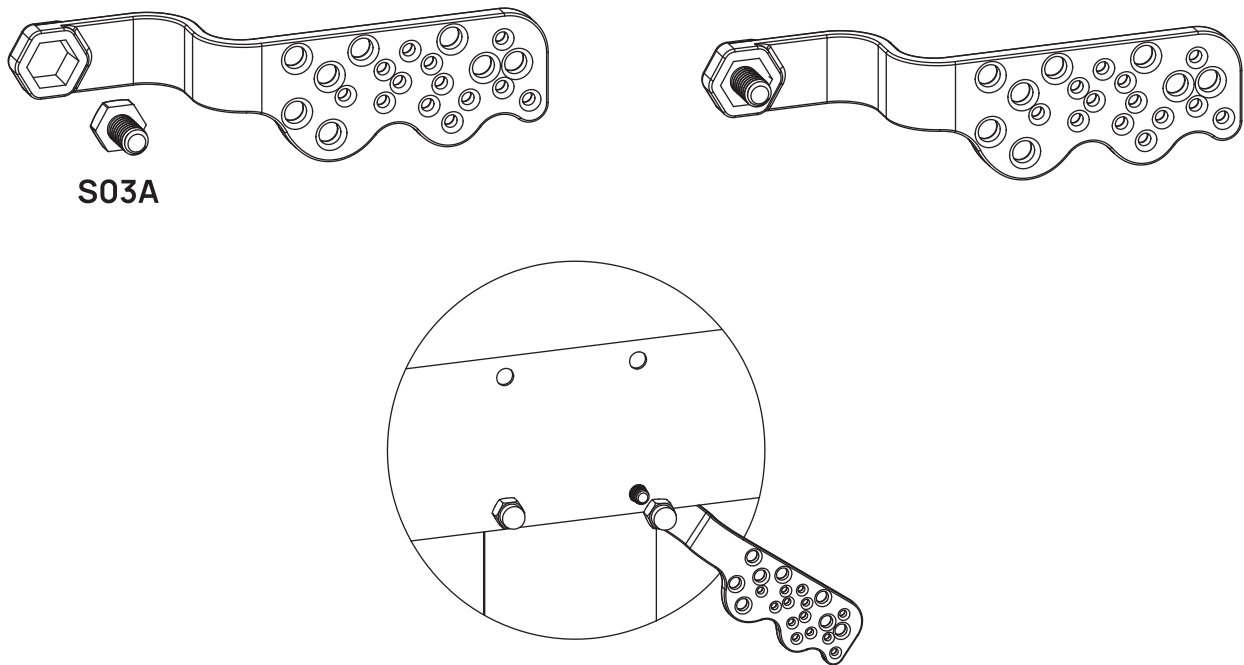
As the front panel section has been partially assembled, have it temporarily supported to prevent tipping at this stage.
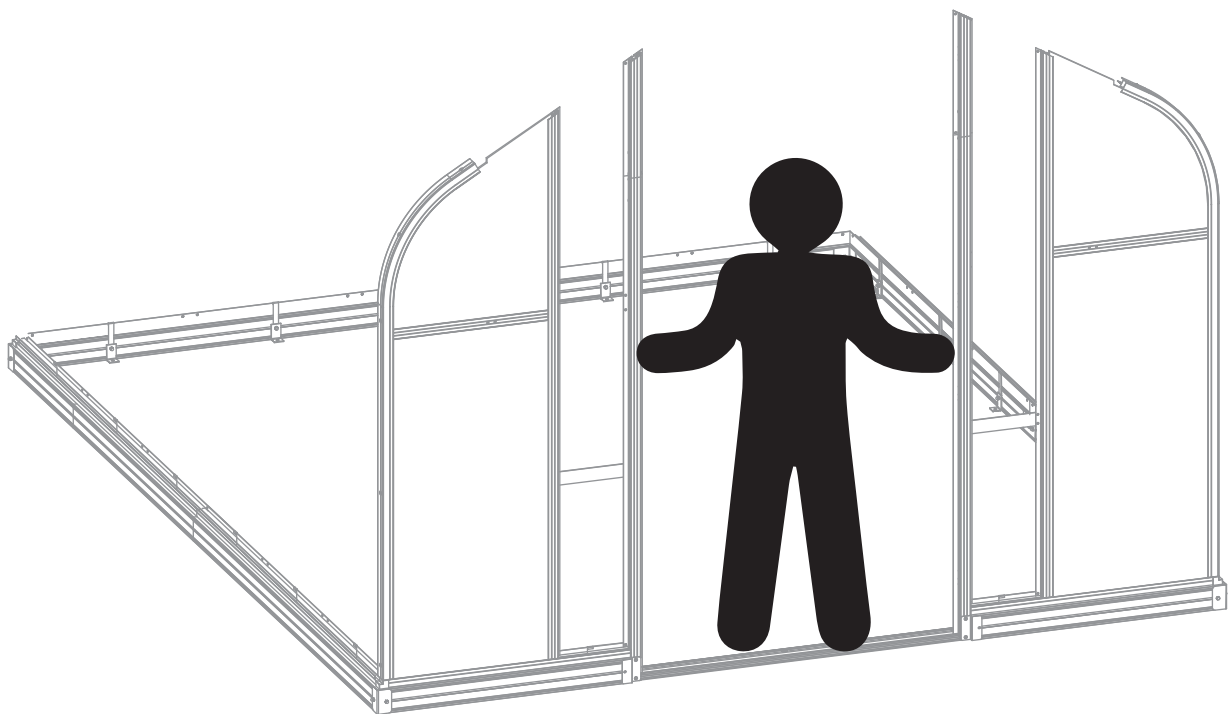
08

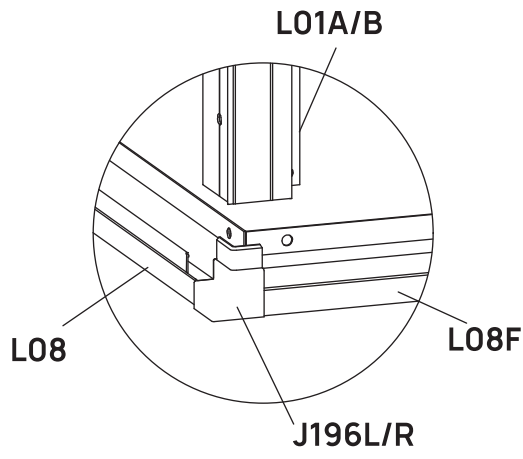Assemble L02B frames as shown, then install the L05B inner connecting frames.

BOX	PART	NO	QTY
ALBOX-1		L02B	2
ALBOX-2		L05B	2
ALBOX-4		S03A M6X10	12
ALBOX-4		M24 M6	12

L02B

S03A

M24

L08

① 1

L02B

L02B

1

1

31

2

3

S03A x 2

S03A x 2

M24 x 2

M24 x 2

L05B

3

3

L05B

2

2
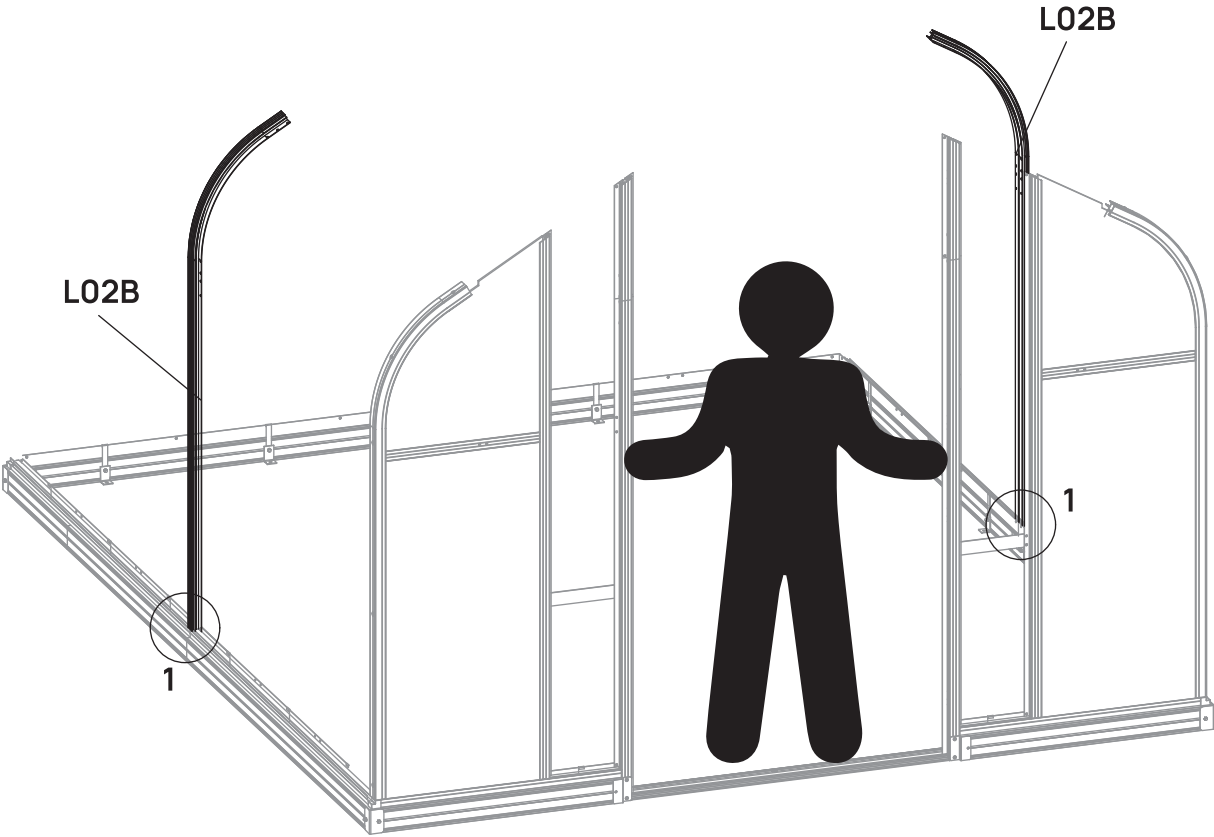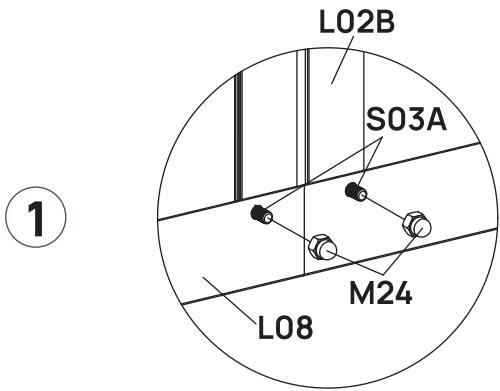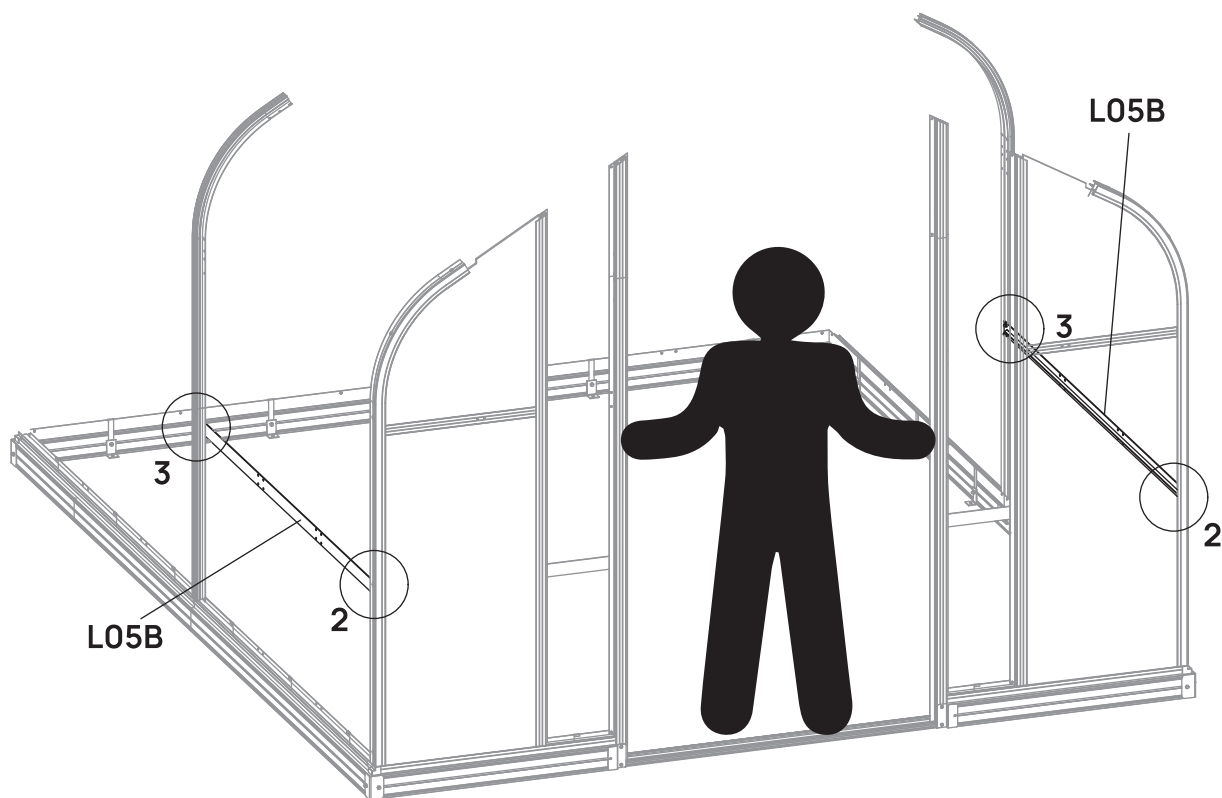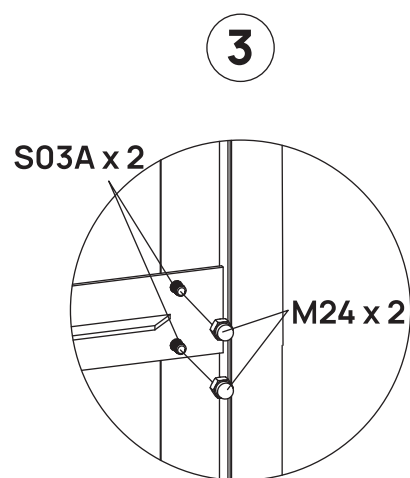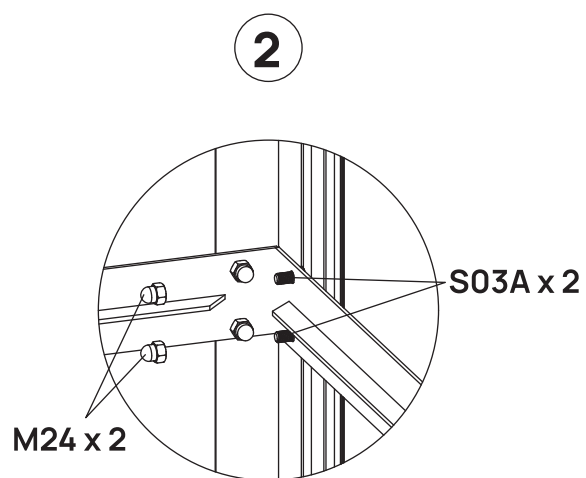
Assemble L01A and L01B frame as shown, then install the L05B inner connecting frames.

BOX	PART	NO	QTY
ALBOX-1		L01A	1
ALBOX-1		L01B	1
ALBOX-3		L03E	2
ALBOX-3		L05A	1
ALBOX-3		L05B	3
ALBOX-4		S03A M6X10	28
ALBOX-4		M24 M6	28
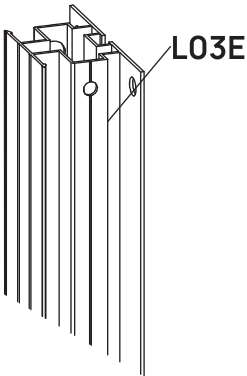
L03E

The end of L03E with
holes face upward.

L01B

L01A

L05B

2

2

1

3

1

3

L05B

1

L01A/B

L08

J196L/R

L08F

L01A/B

S03A

M24

L08

2

S03A x 2

M24 x 2

3

S03A x 2

M24 x 2
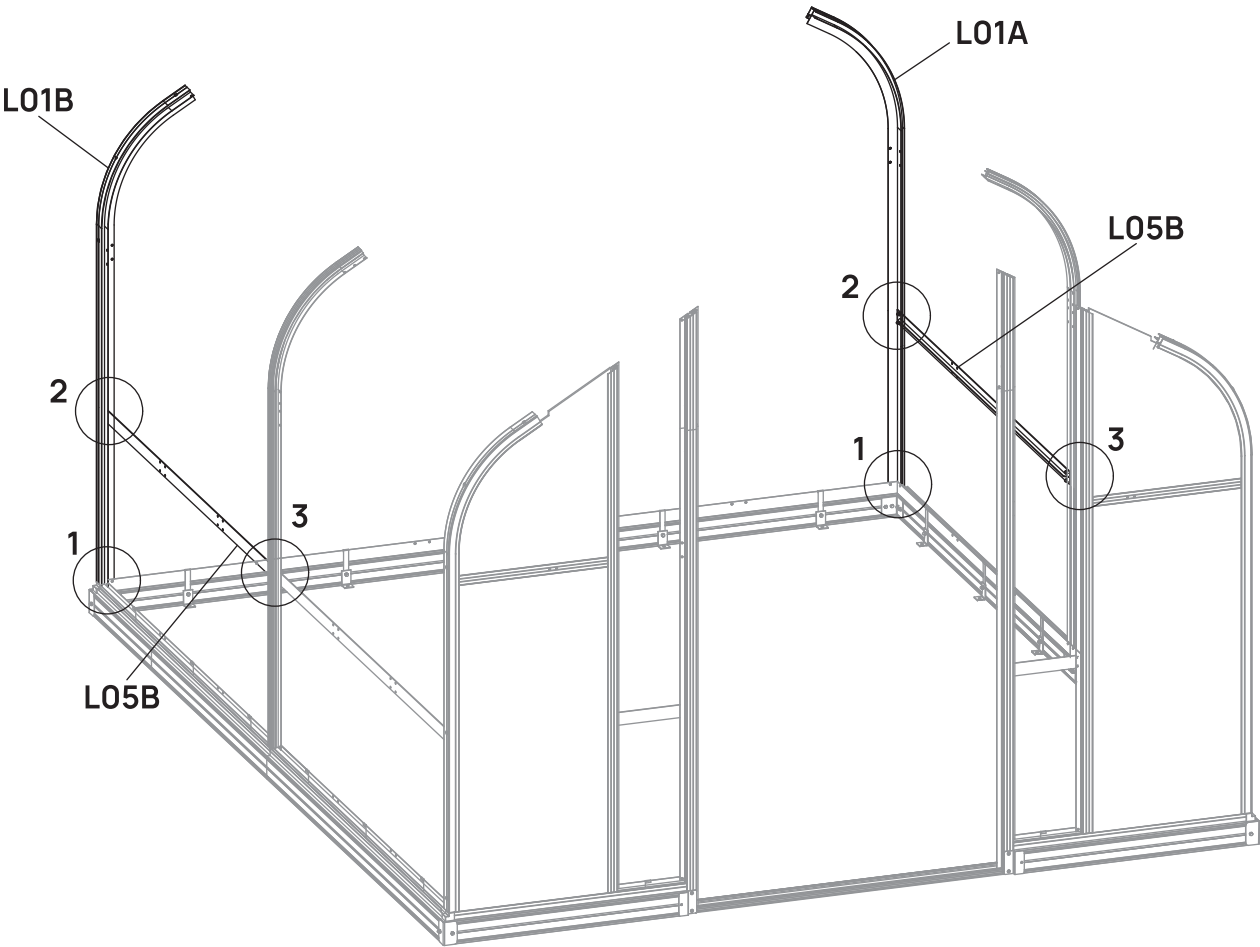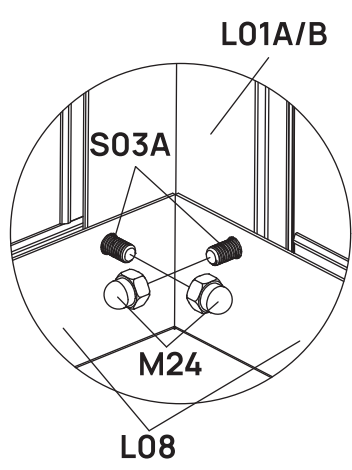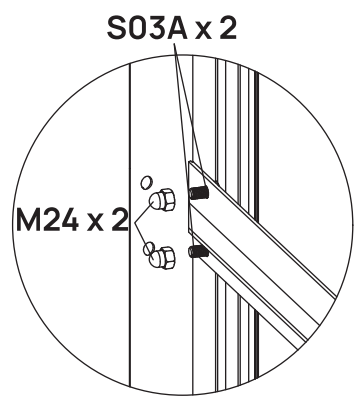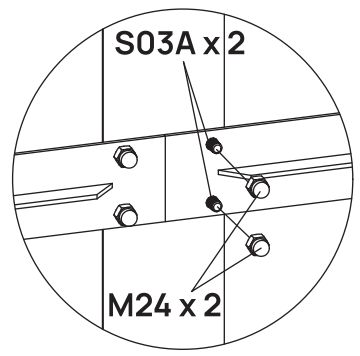
10

Assemble the assembled L03 pieces, L03E frames as shown, then install the L05A/B inner connecting frames.

L03E

L05B

L05A

2

3

3

2

1

1

1

L02B/L03E

S03A

M24

L08

2

S03A x 2

M24 x 2

3

S03A x 4

M24 x 4
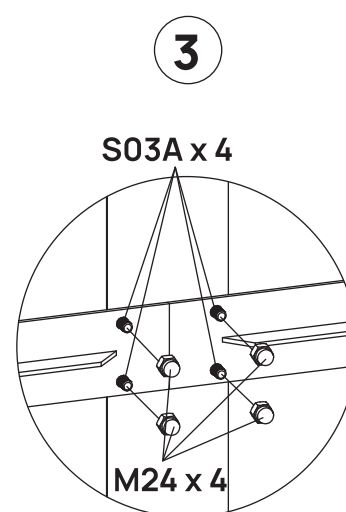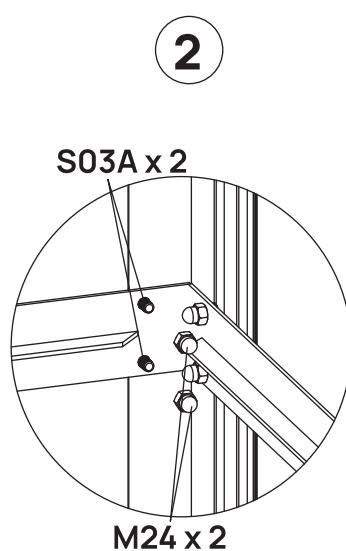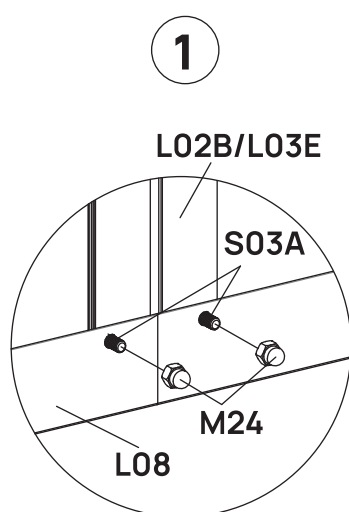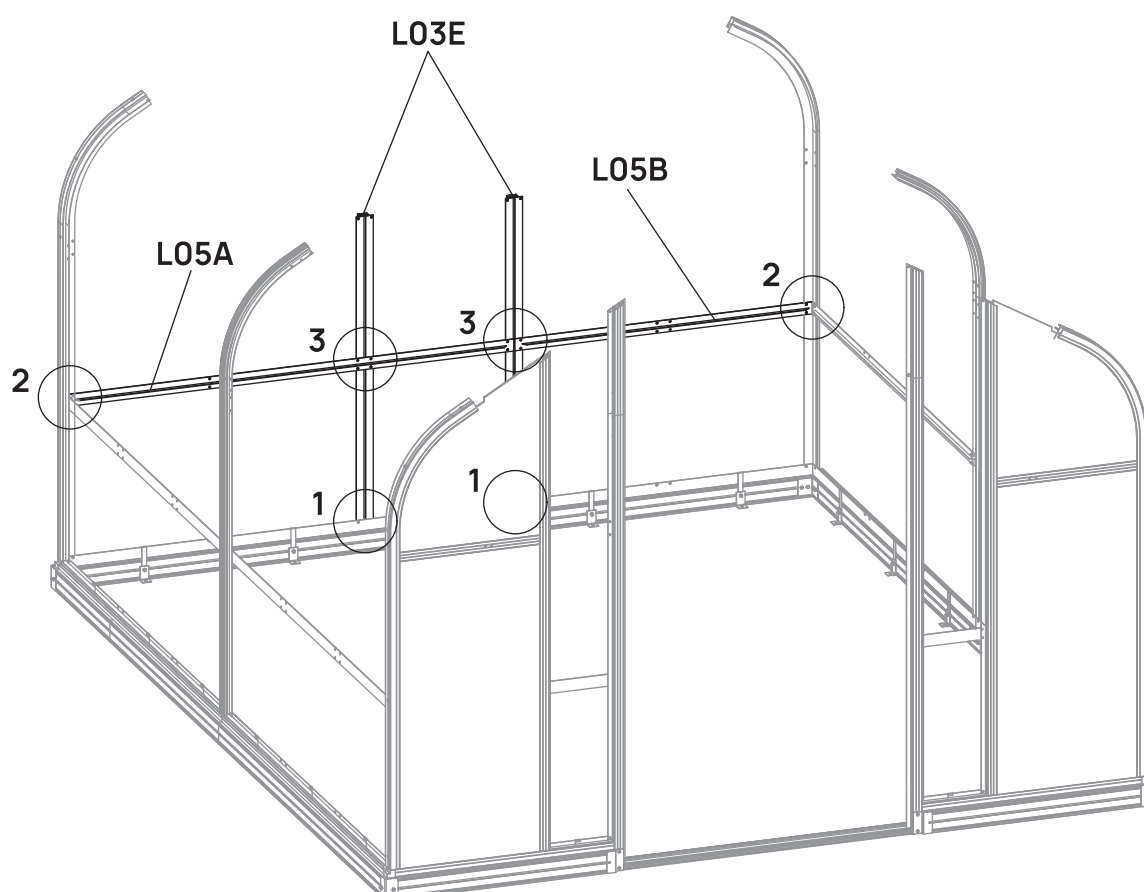
Assemble L04A frames as shown.

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

L04A

1

L04A

1

1

S03A

L04A

M24
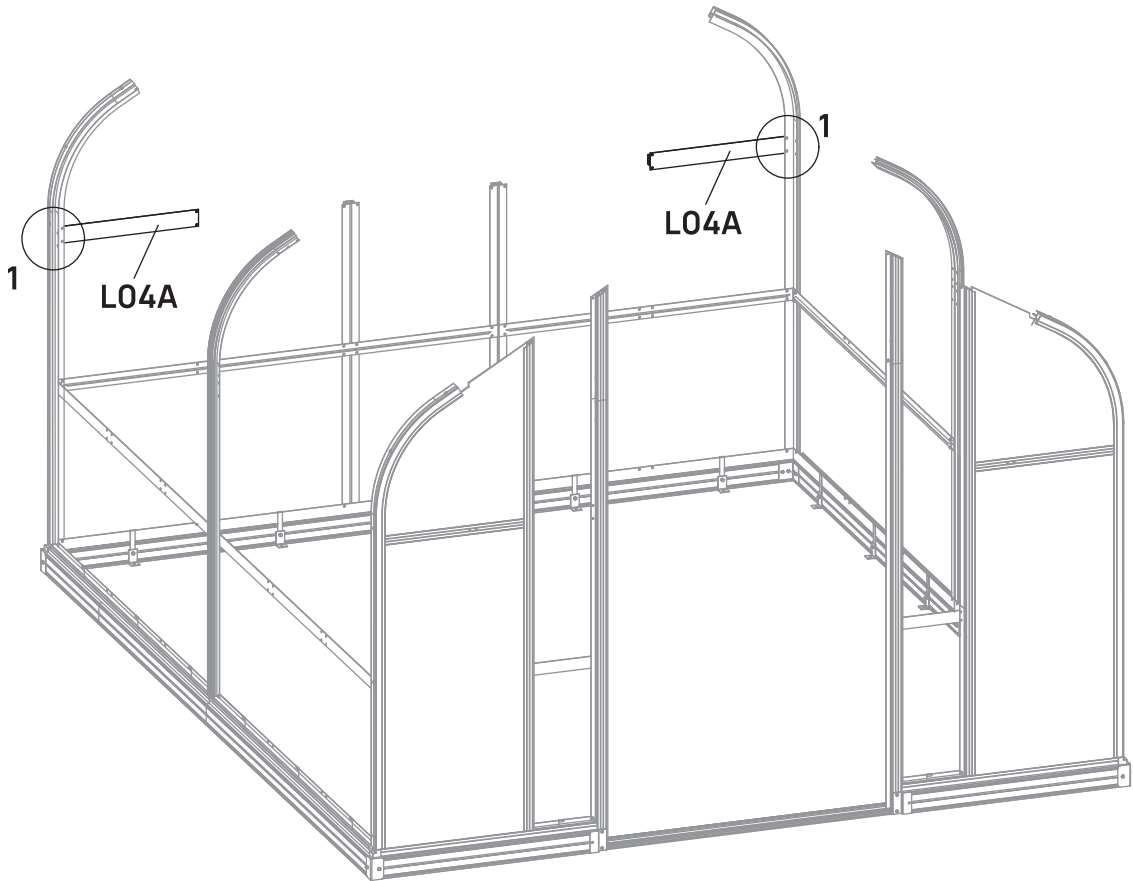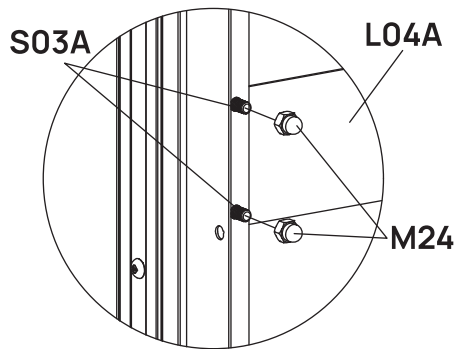
12

Insert Y1, Y2 and Y5 PC panels into place, then install L03A and L03B frames as shown.

BOX	PART	NO	QTY
PCBOX-3		Y1	1
PCBOX-3		Y2	1
PCBOX-3		Y5	2
PCBOX-2		H158	1
ALBOX-2		L03A	1
ALBOX-2		L03B	1
ALBOX-4		S03A M6X10	16
ALBOX-4		M24 M6	16

L03B

L03A

2

3

1

2

3

1

1

L03A/B

S03A

M24

L08A/J/L

2

S03A x 2

L03A/B

L04A

M24 x 2

3

S03A x 4

L03A/B

M24 x 4

L05A/B/C
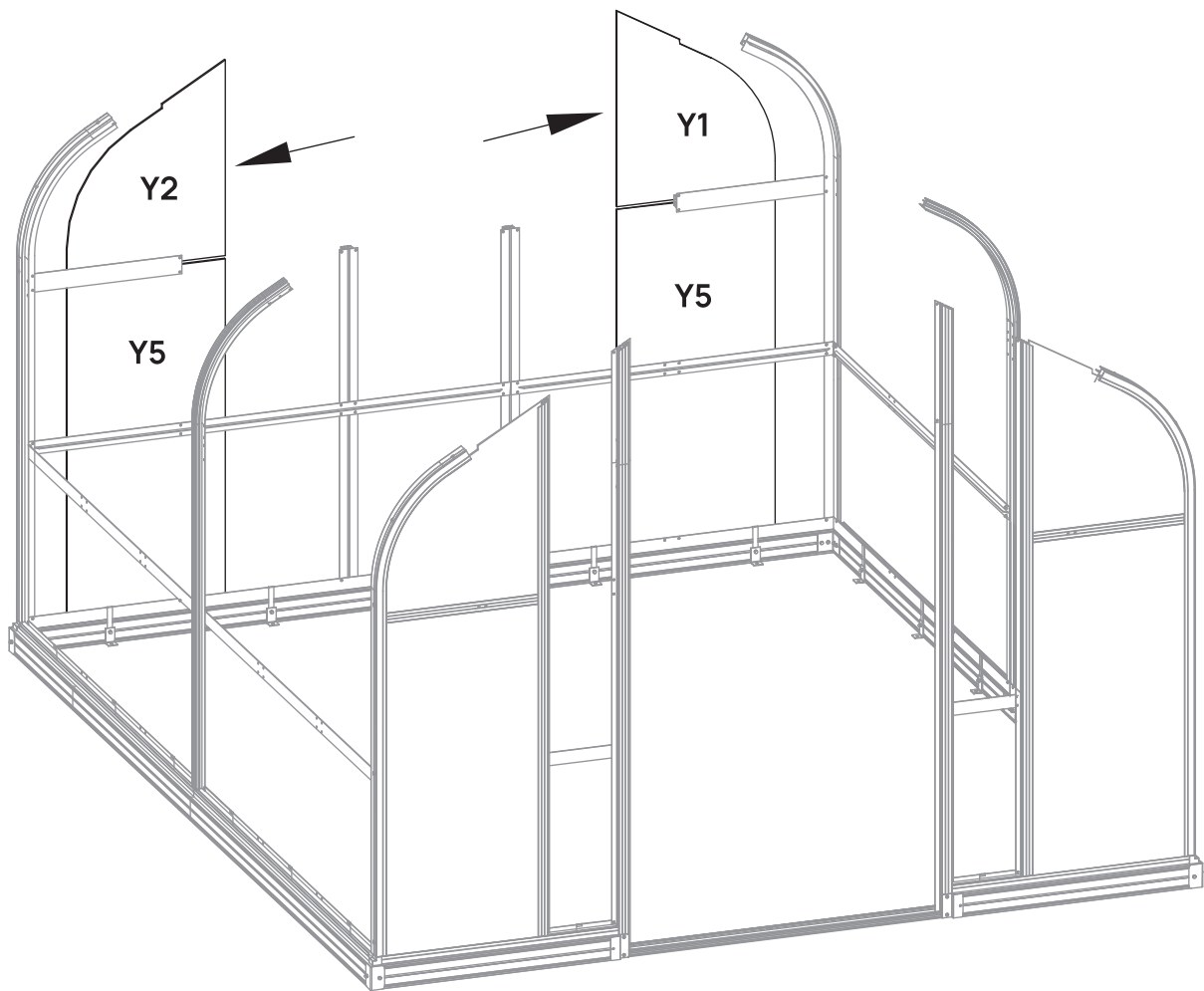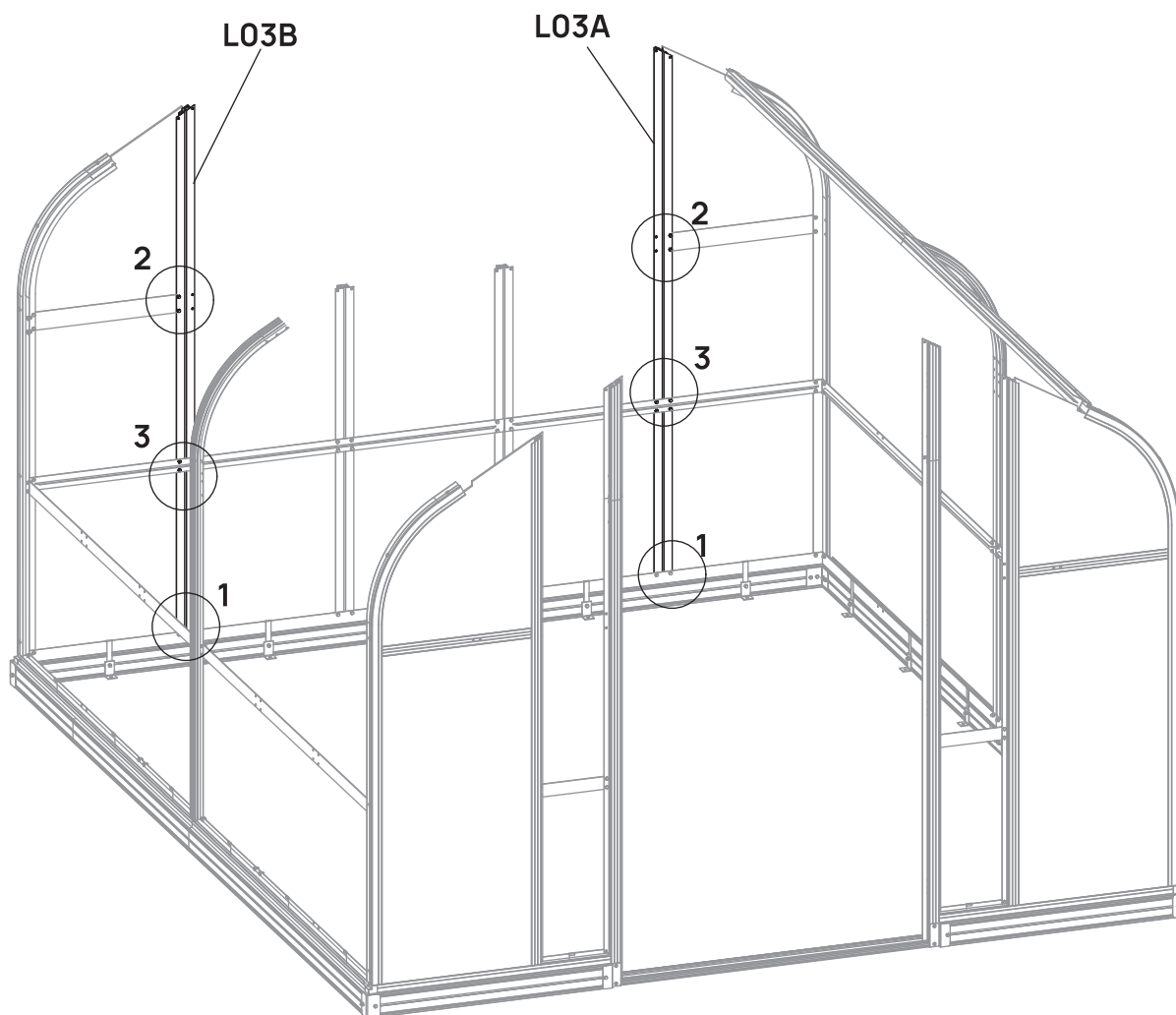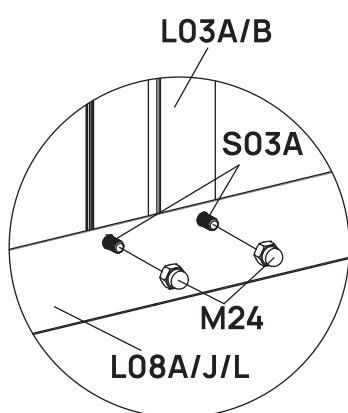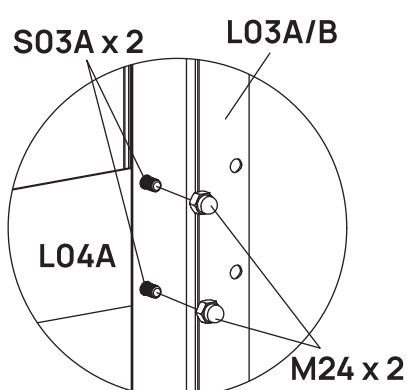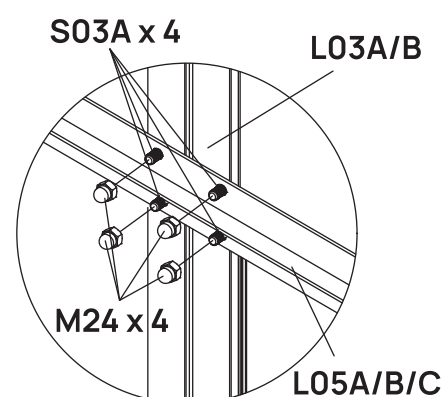
Assemble the horizontal eave pieces with A139 connectors and S26A bolts as shown.

BOX	PART	NO	QTY
ALBOX-2		L07C	2
ALBOX-2		L07D	2
ALBOX-4		A139	2
ALBOX-4		S03A M6X10	8
ALBOX-4		M24 M6	8
Pre-installed		S26A M5X12	8

L07D   L07C

X2

L07D

A139

L07C
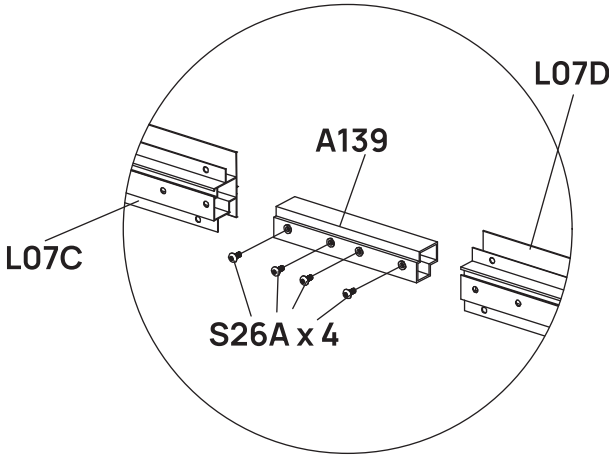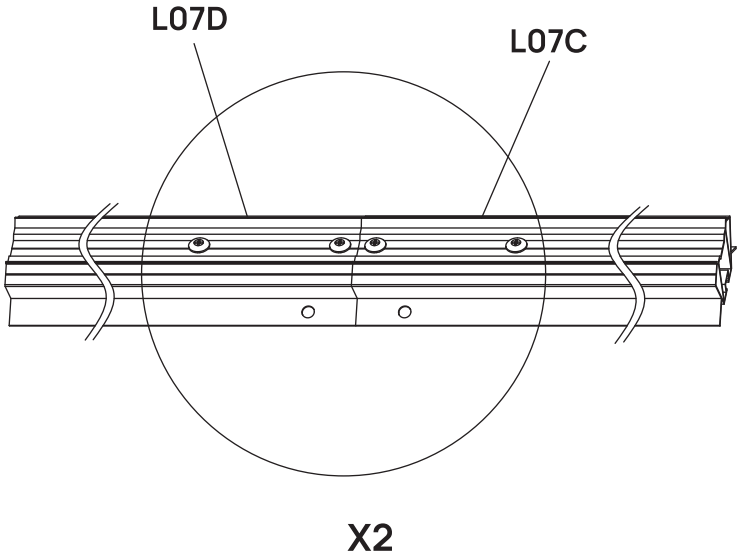
S26A x 4

Hold the horizontal eave frames carefully and attach them to the front and back curve frames as shown.

L07D

1

L07C

L07C

2

1

L07C

2

L07D

1

1

1

1

2

L07C/D

M24

S03A

L07C/E

L07D/E

S03A

M24

L02B

L07C/D/E
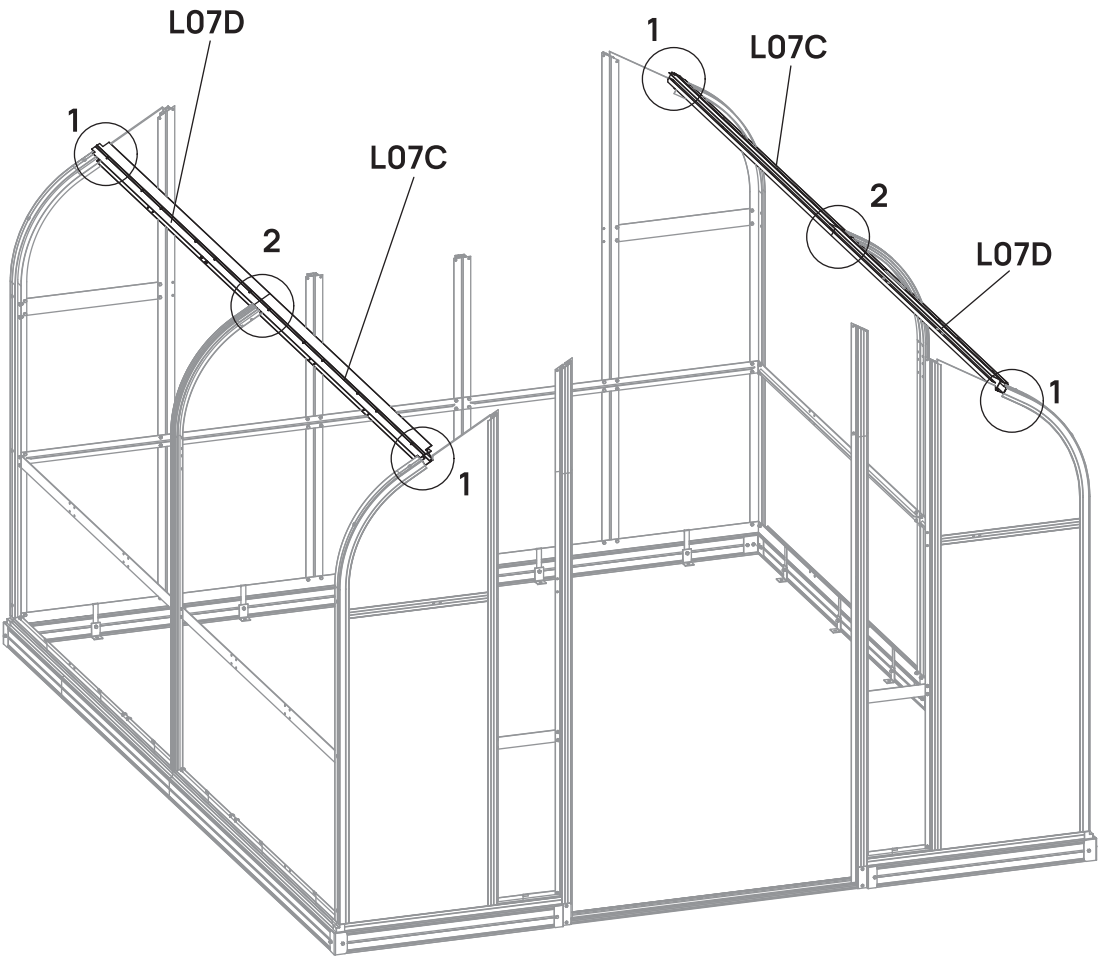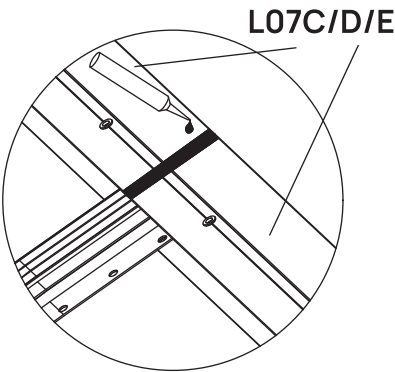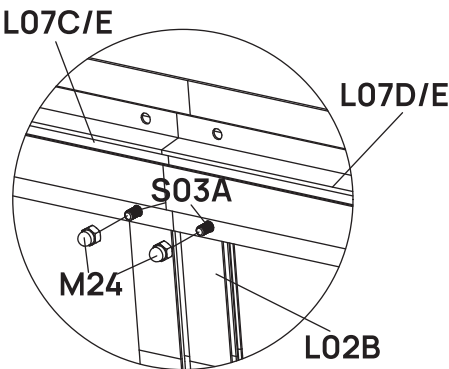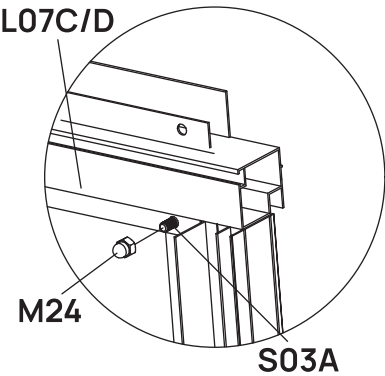
15

Insert Y5 and Y17 panels into place as shown.

BOX	PART	NO	QTY
ALBOX-4		L04E	2
PCBOX-3		Y5	3
PCBOX-3		Y17	2
ALBOX-4		S03A M6X10	8
ALBOX-4		M24 M6	8
PCBOX-2		H158	1

Y5

Y5

Y5

Y17
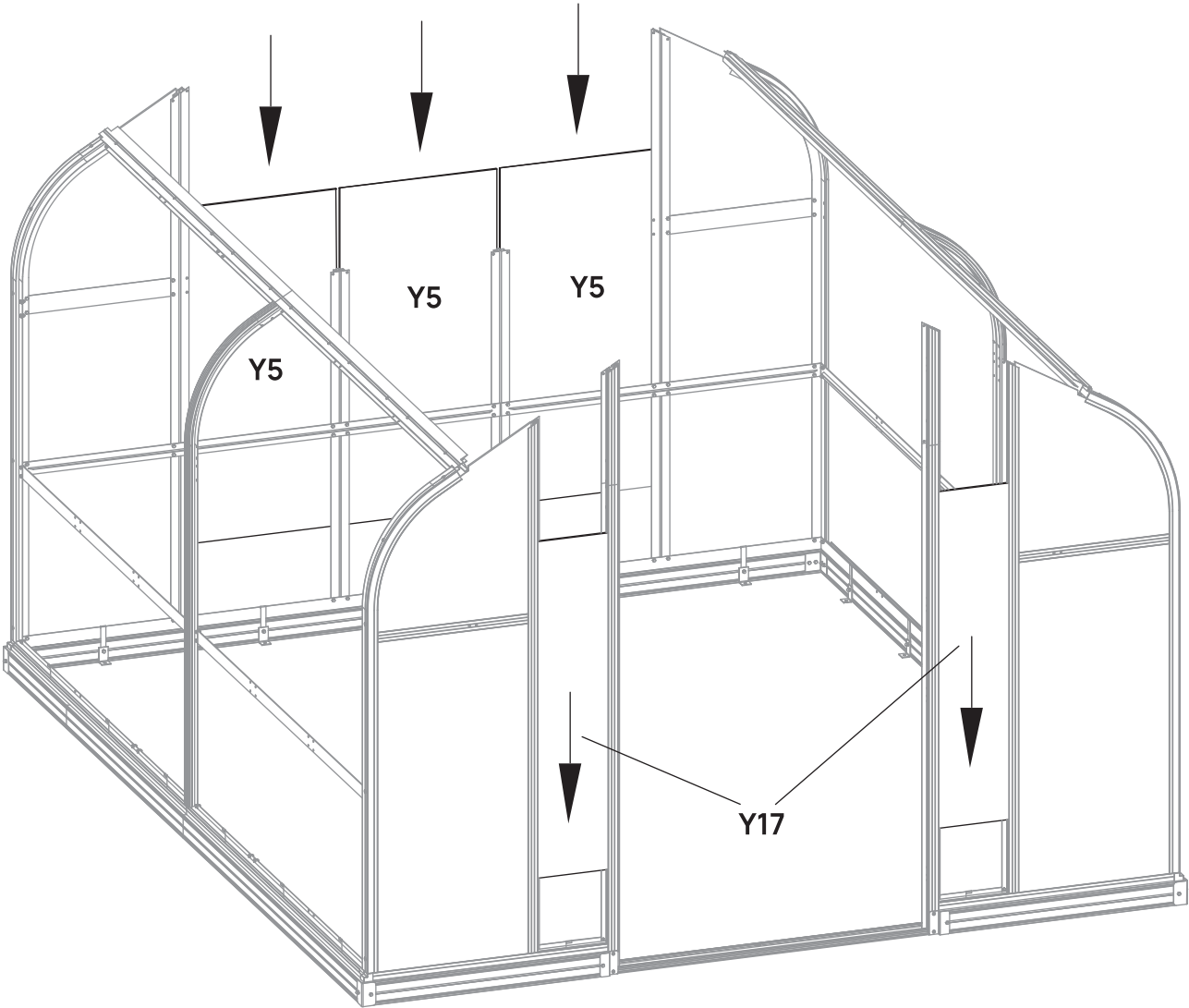
16

Attach L04E frames as shown.

L04E

1

2

1

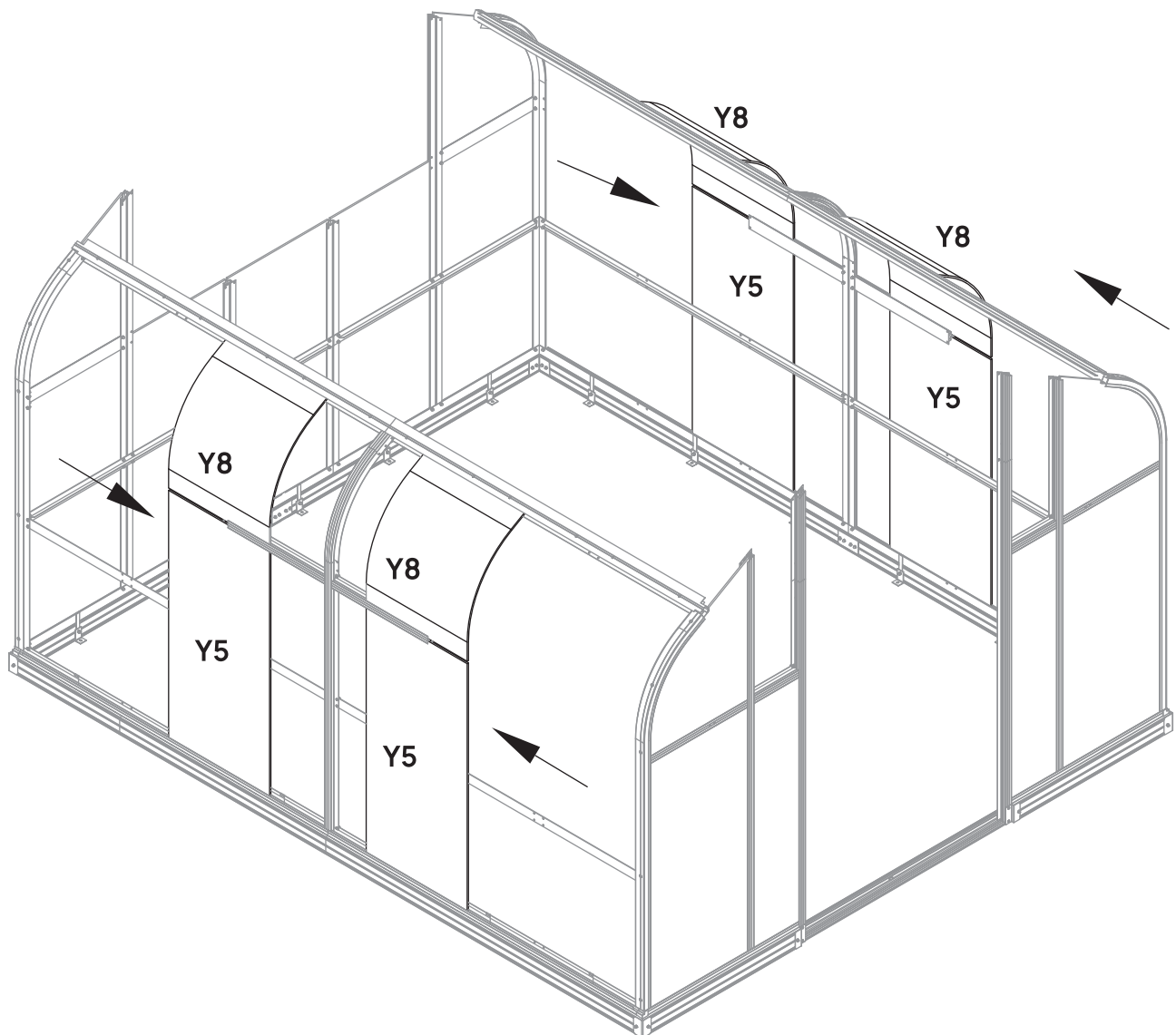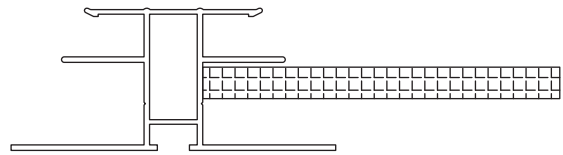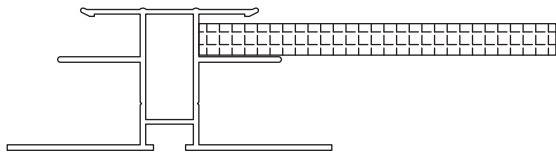2

① **S03A x 2**

M24 x 2

② **S03A x 2**

L04E

M24 x 2
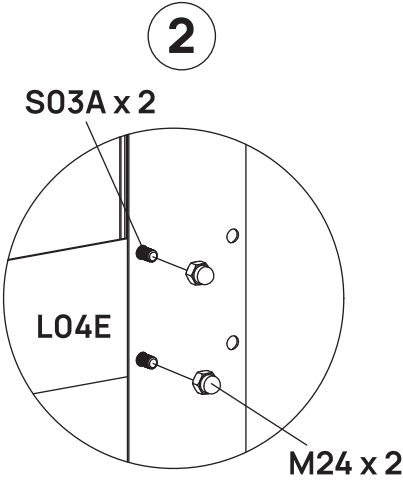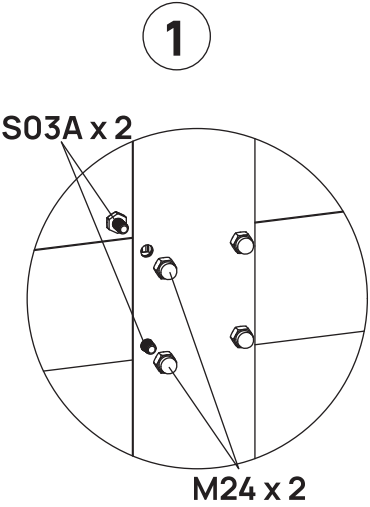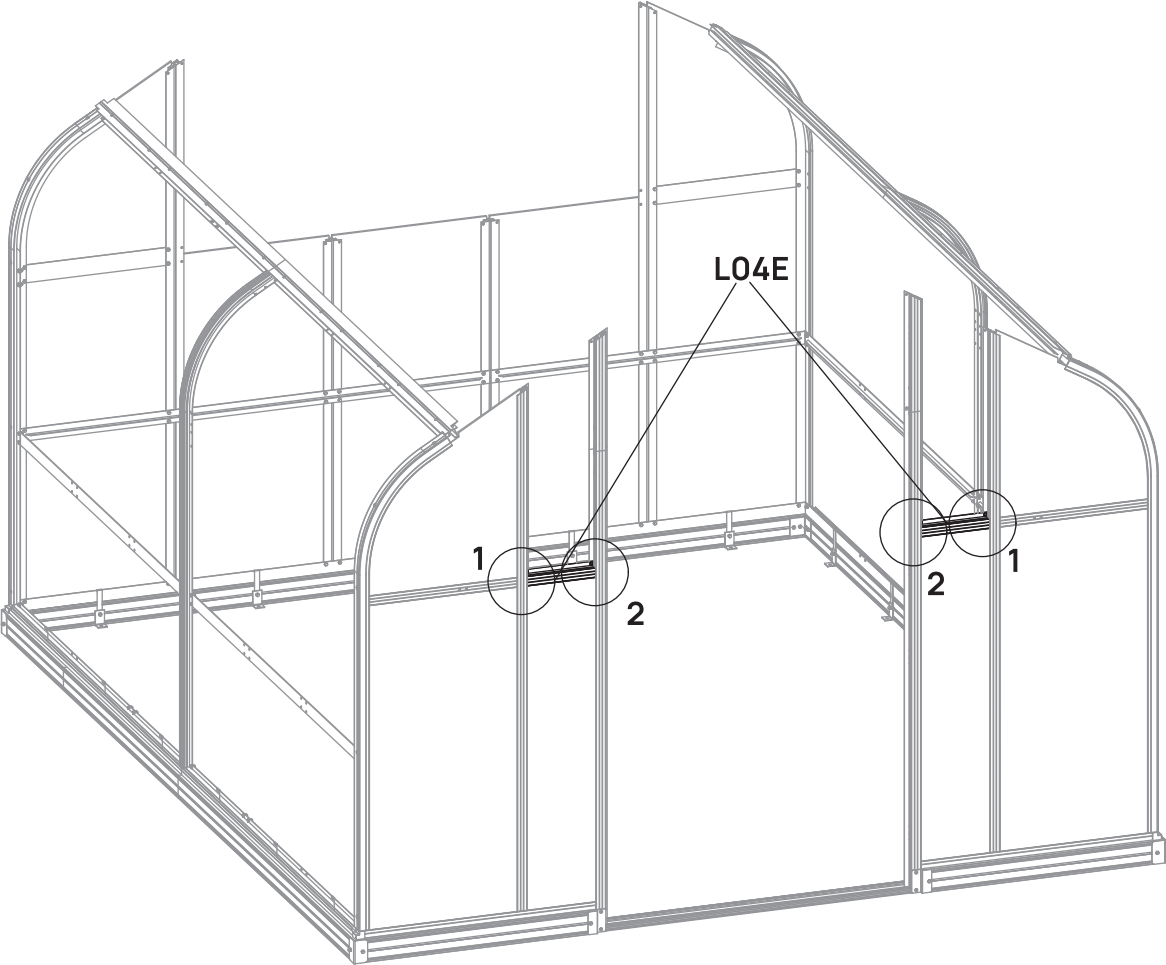
17

Assemble L04D frames as shown, then slide Y8 and Y5 panels into place.

BOX	PART	NO	QTY
ALBOX-4		L04D	4
PCBOX-3		Y5	4
PCBOX-2		Y8	4
ALBOX-4		S03A M6X10	8
ALBOX-4		M24 M6	8
PCBOX-2		H158	1

1

S03A x 4

M24 x 4

L04D

L04D

L02B

L04D

L04D

✓

✗

Y8

Y8

Y5

Y5

Y8

Y8

Y5

Y5

Y5
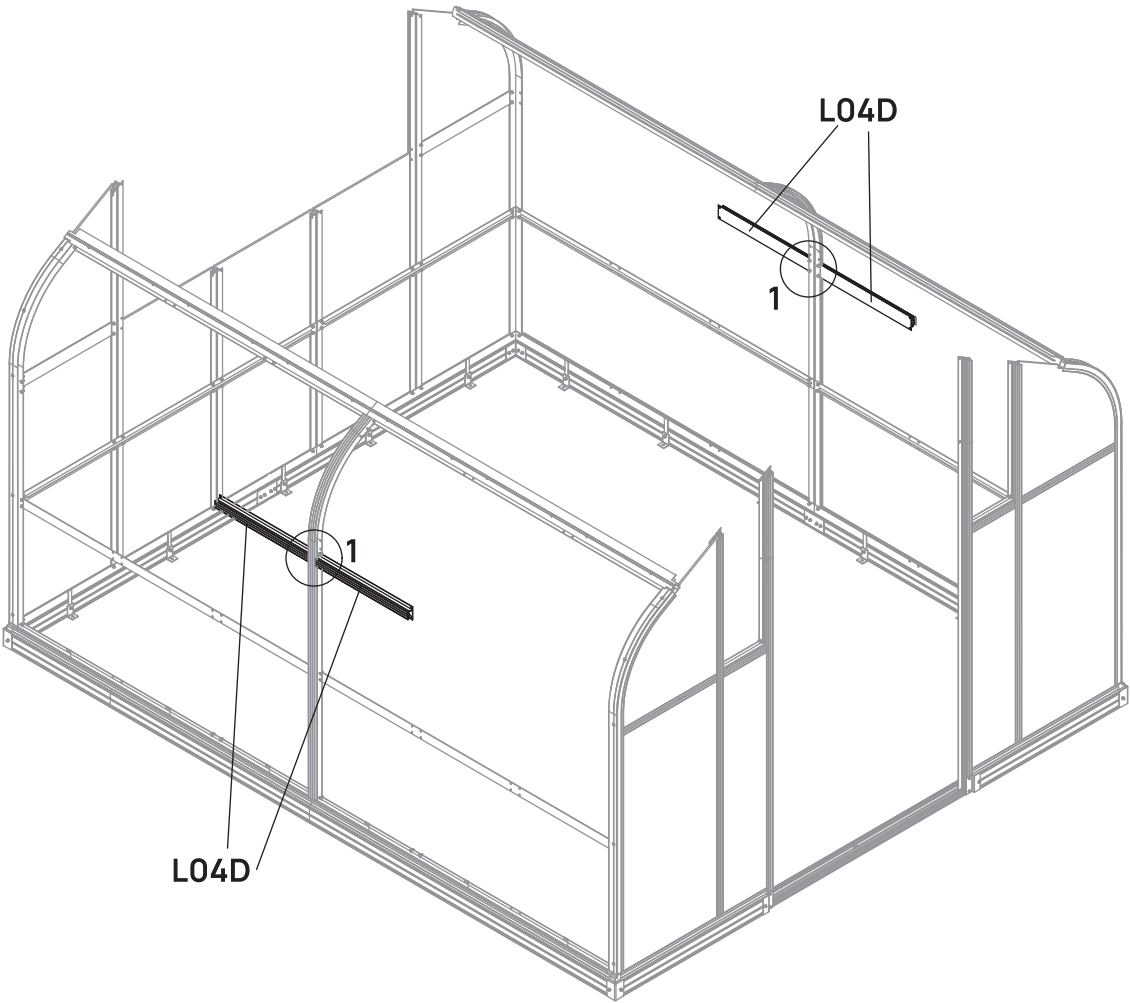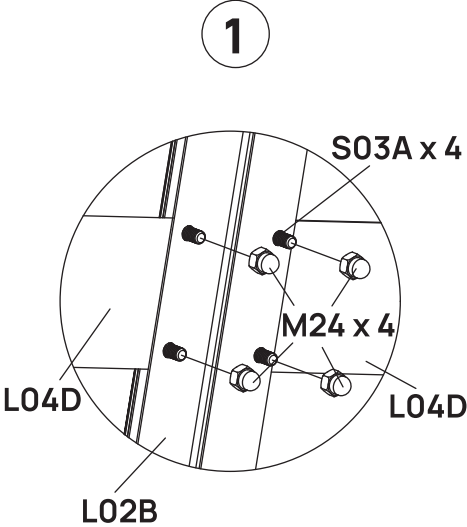
18

Assemble more L02B frames on both sides as shown.

BOX	PART	NO	QTY
ALBOX-1		L02B	4
ALBOX-4		S03A M6X10	40
ALBOX-4		M24 M6	40

1

L07C/D

S03A

M24

L02B

2

L02B

S03A

M24

L08B/C

3

S03A x 2

M24 x 2

L04D

L02B

4

S03A x 4

L02B

M24 x 4

L05B
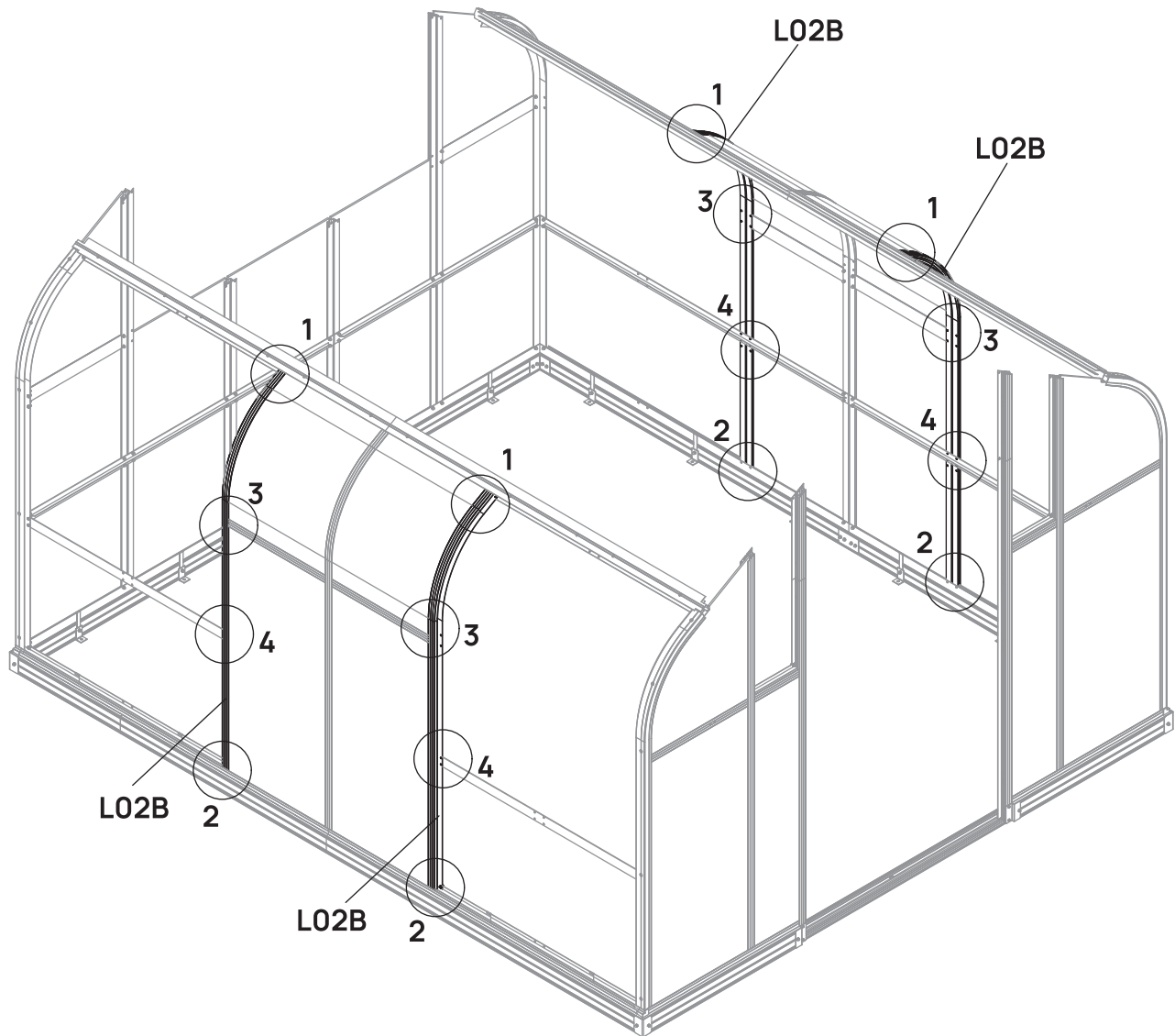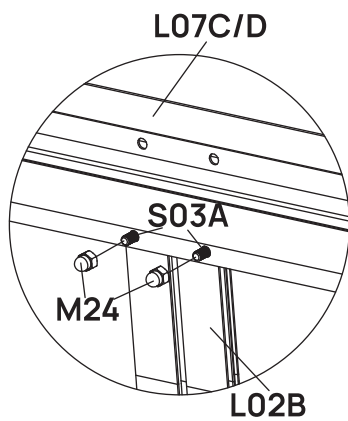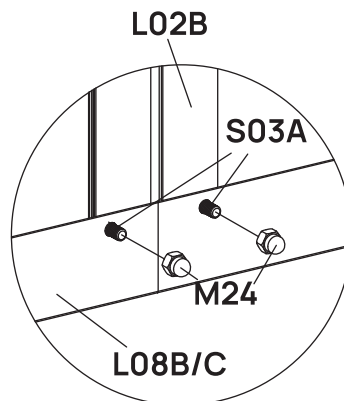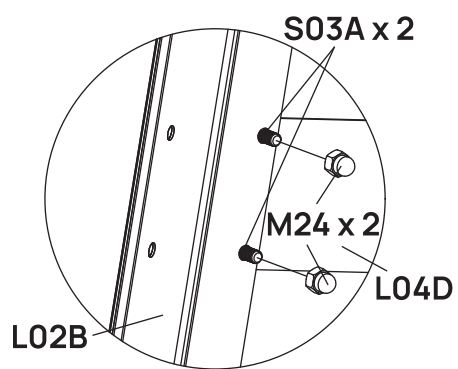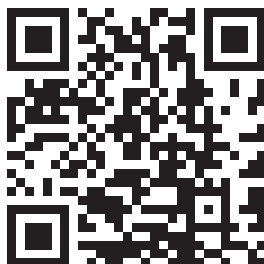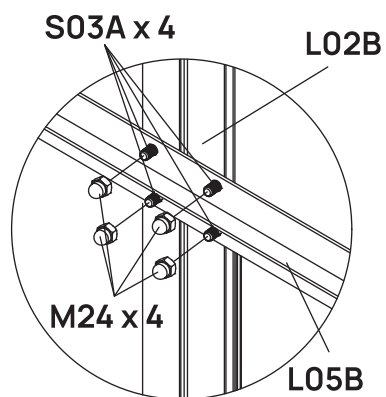
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19

Assemble 6 sets of support braces as shown, then attach them to the curve frames.

BOX	PART	NO	QTY
ALBOX-4		L05E	6
ALBOX-1		D467	12
Pre-installed		S01A M6X12	24
ALBOX-4		S03A M6X10	48
ALBOX-4		M24 M6	48

L05E

D467

D467

S01A x 2

L05E

S01A x 2

X6

1

S03A x 4

L05E

D467

M03A x 4

L05E

L05E
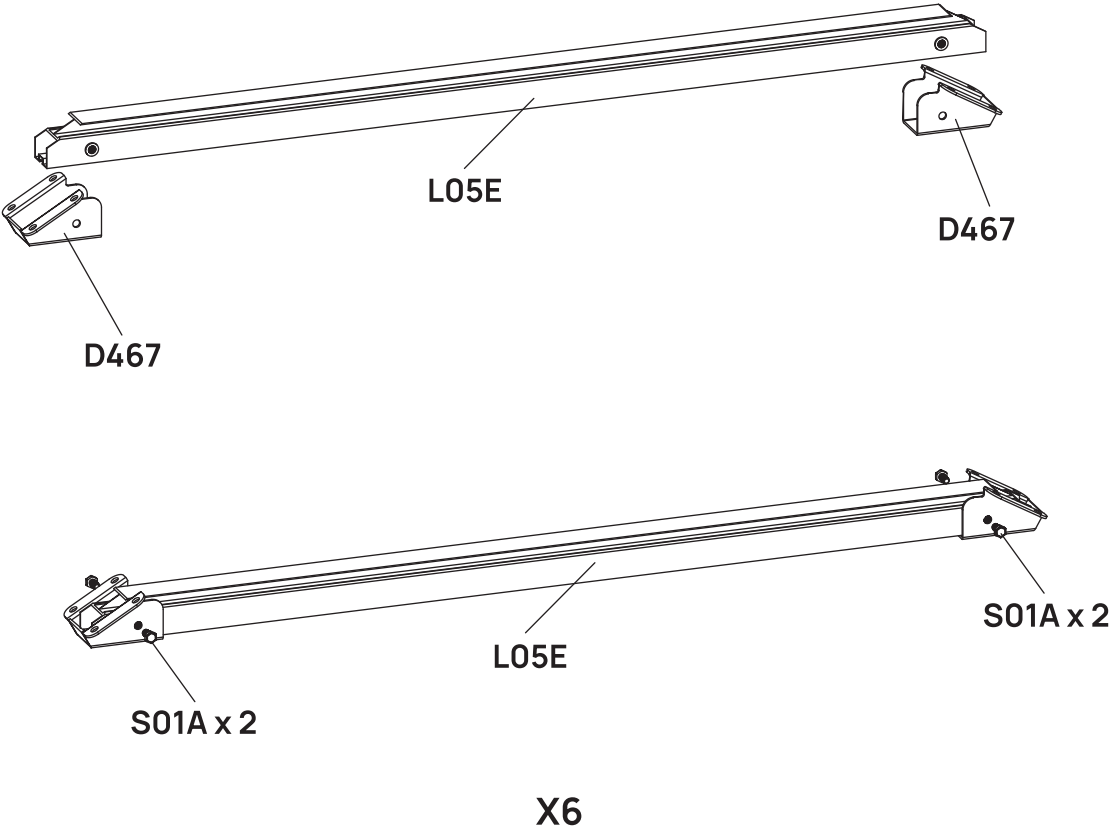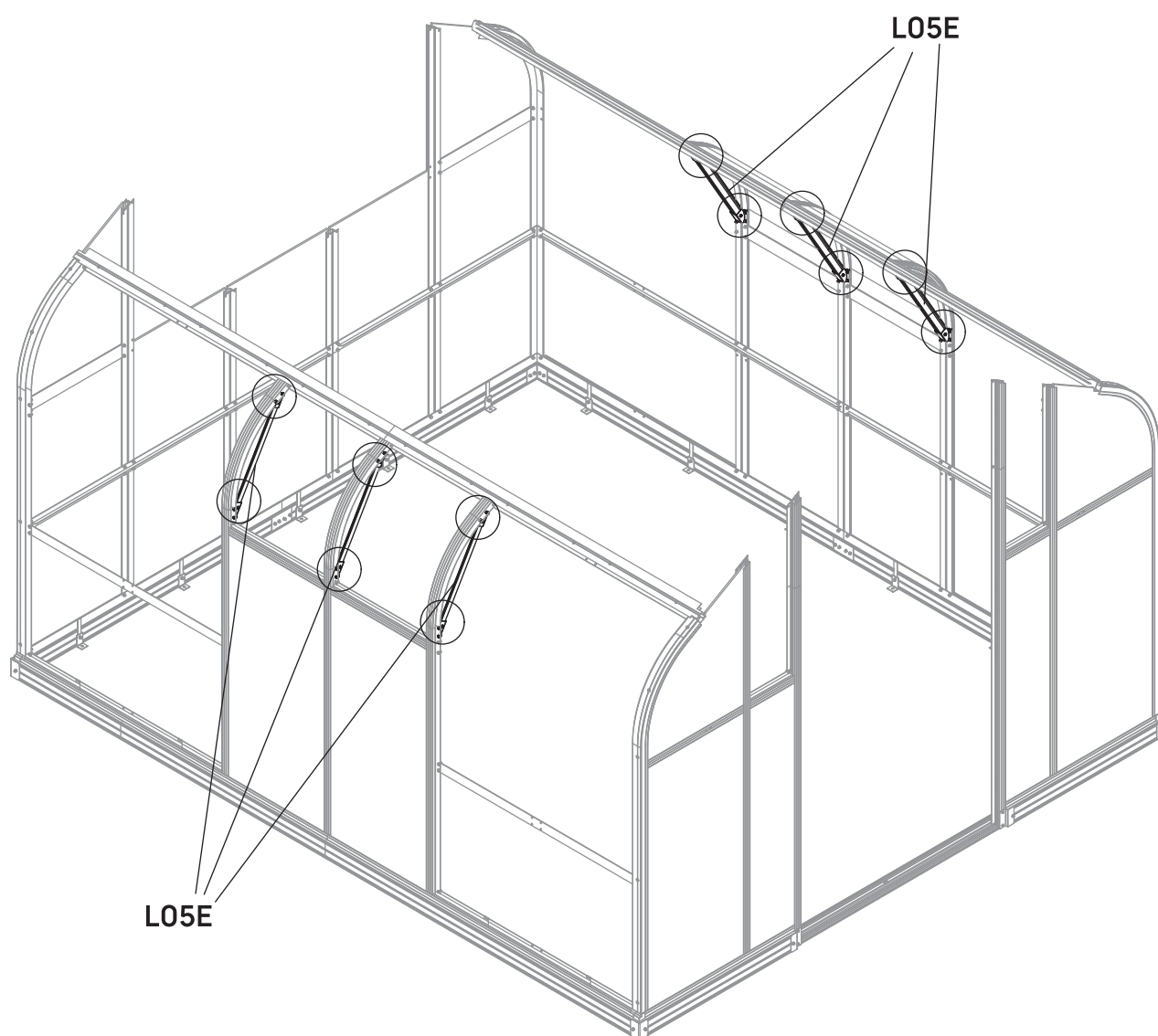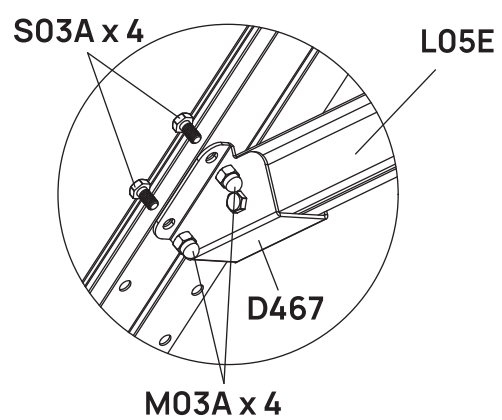
20

Assemble L04D and L40B frames as shown.

BOX	PART	NO	QTY
PCBOX-1		L04B	2
ALBOX-4		L04D	4
PCBOX-3		Y5	2
PCBOX-2		Y8	4
PCBOX-3		Y20	2
ALBOX-4		S03A M6X10	10
ALBOX-4		M24 M6	10
PCBOX-2		H158	1

1

S03A X 2

M24 X 2

L04D

L02B

2

S03A

M24

L40B

L05B

L04D

1

L04D

1

2

L40B

2

L04D

L04B

1

1

L04D

L04D
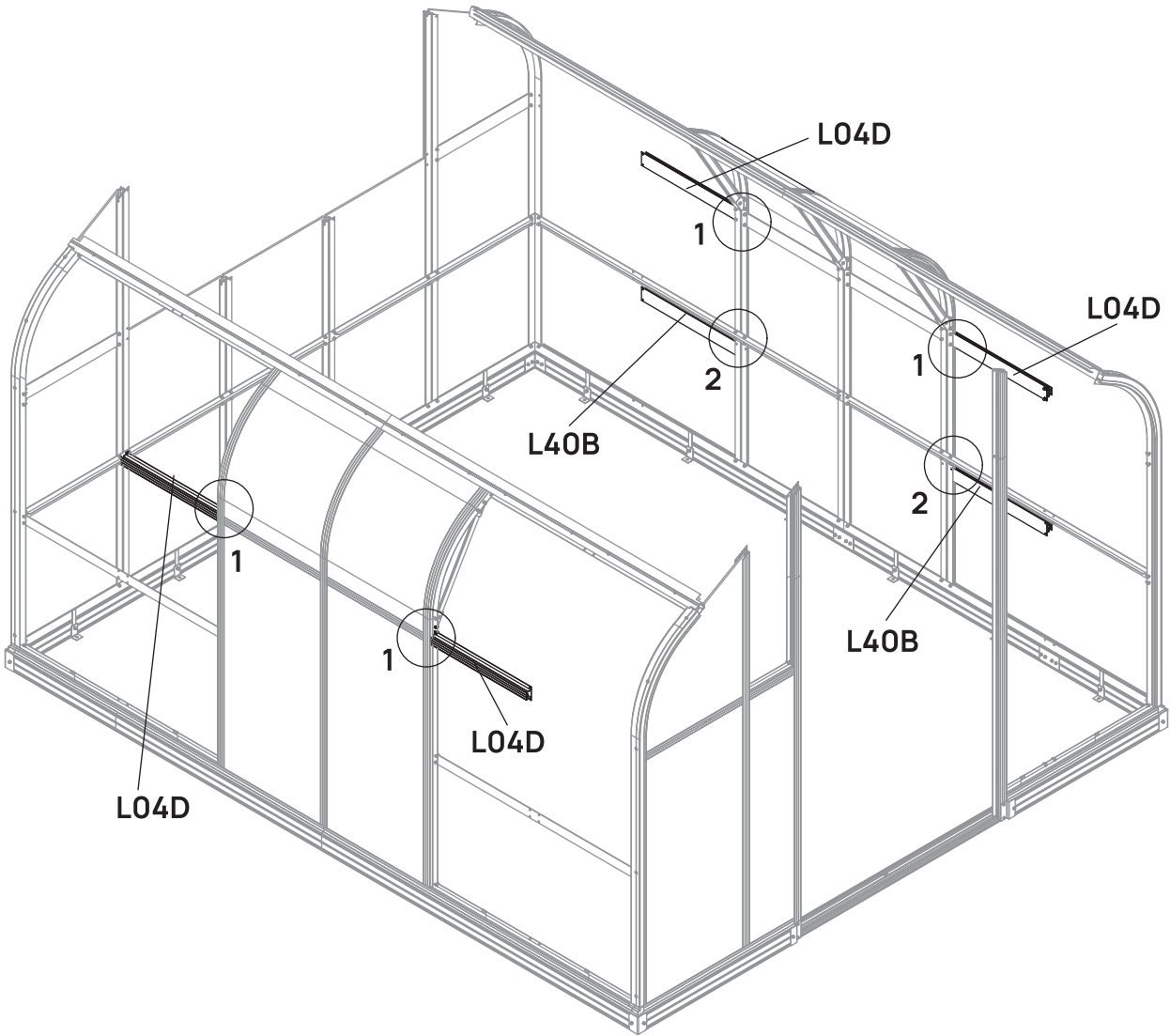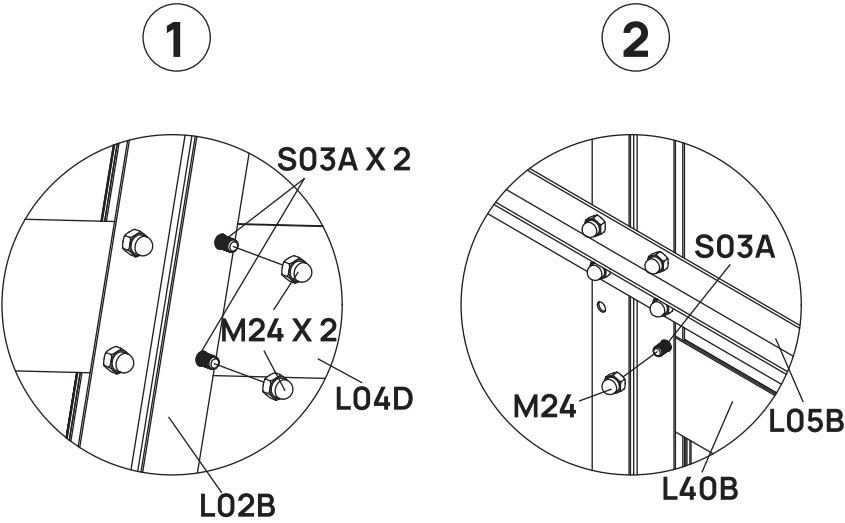
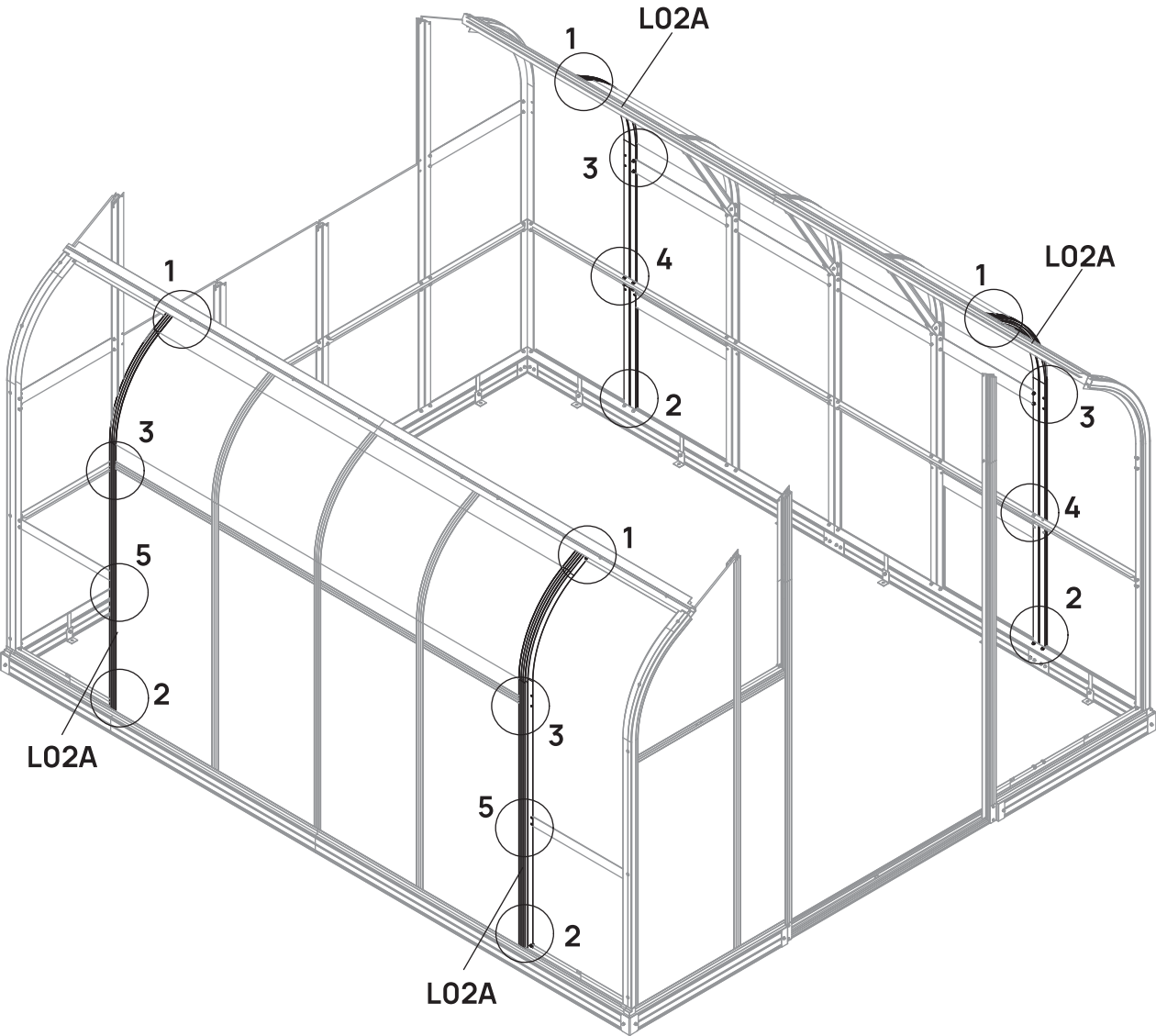Slide Y8, Y5 and Y20 panels into place as shown.

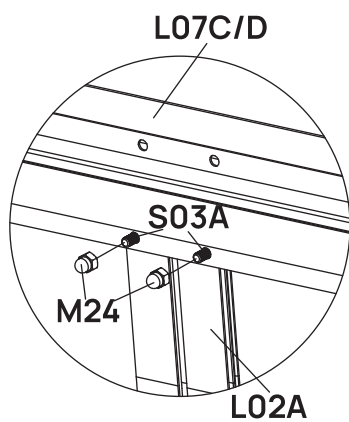**Note:** The positions of Y20 panels are where the louvered windows will be installed.
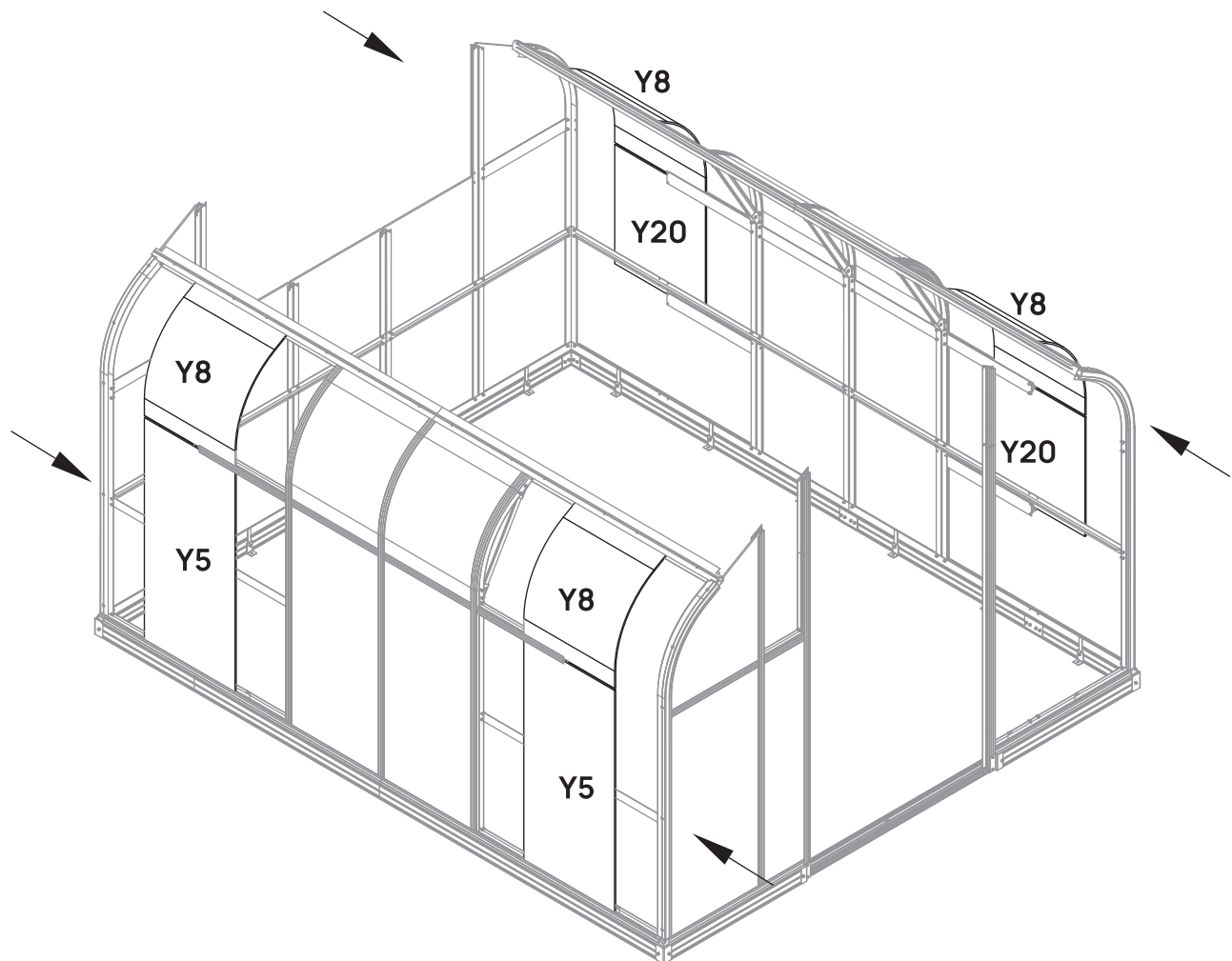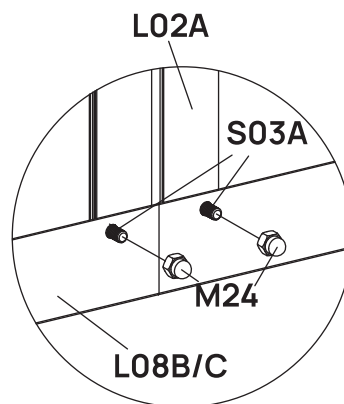
22

Assemble L02A curve frames as shown.

BOX	PART	NO	QTY
ALBOX-1		L02A	4
ALBOX-4		S03A M6X10	42
ALBOX-4		M24 M6	42

1

L07C/D

S03A

M24

L02A

2

L02A

S03A

M24

L08B/C

3

S03A x 2

M24 x 2

L04D

L02A

4

L02A

S03A x 5

M24 x 5

L05B

5

L02A

S03A x 4

M24 x 4

L05B
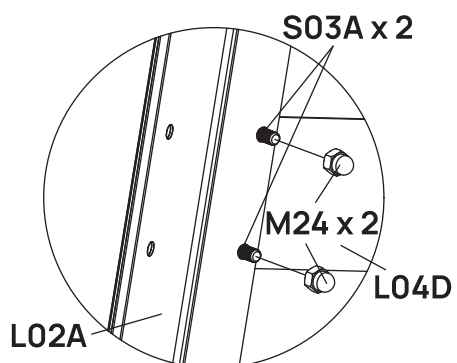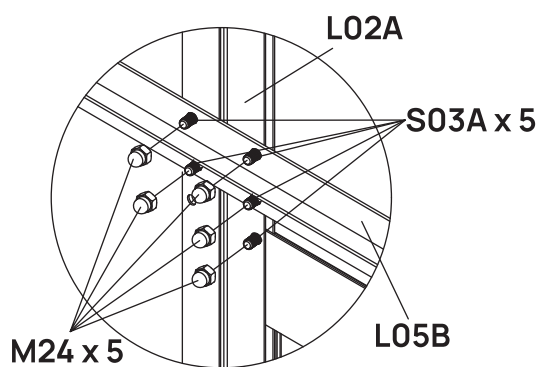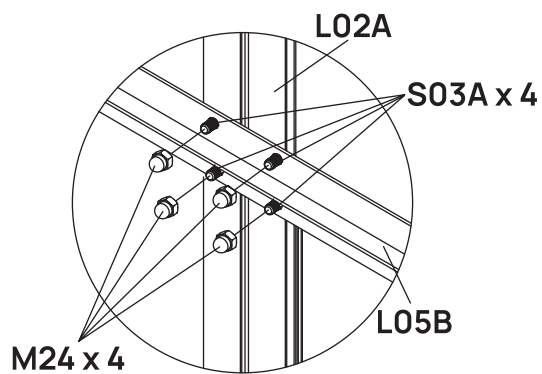
23

Assemble the last L04D frames as shown, then slide the last Y8 and Y5 panels into place.

BOX	PART	NO	QTY
ALBOX-4		L04D	4
PCBOX-3		Y5	4
PCBOX-2		Y8	4
ALBOX-4		S03A M6X10	16
ALBOX-4		M24 M6	16
PCBOX-2		H158	1

1

L01A/B

S03A x 2

L04D

M24 x 2

2

S03A x 2

M24 x 2

L04D

L04D

L04D

L04D

L04D

Y8

Y5

Y8

Y5

Y8

Y5

Y8

Y5
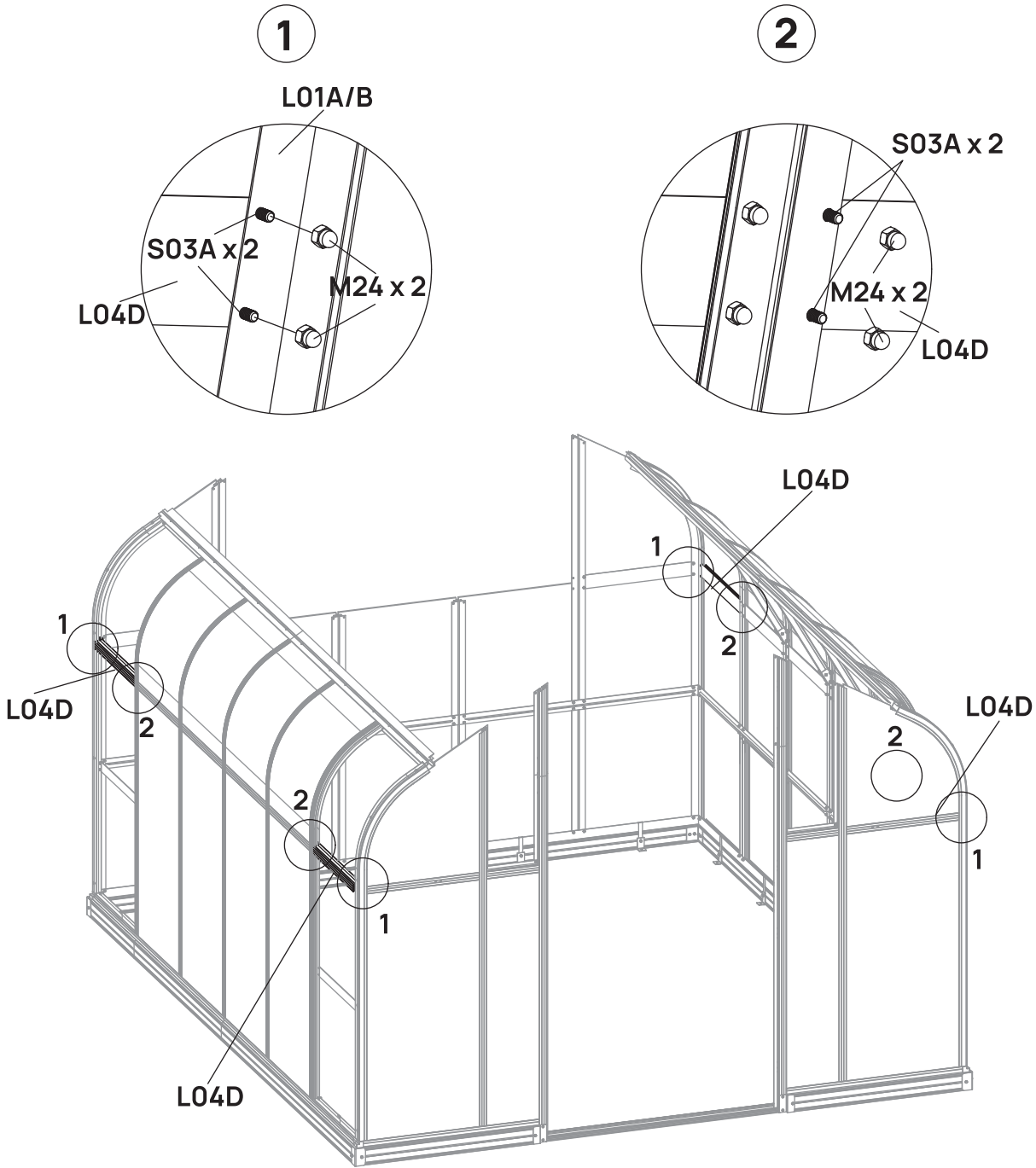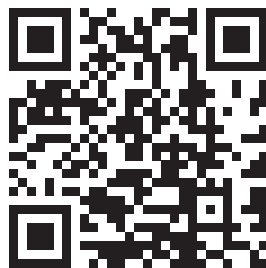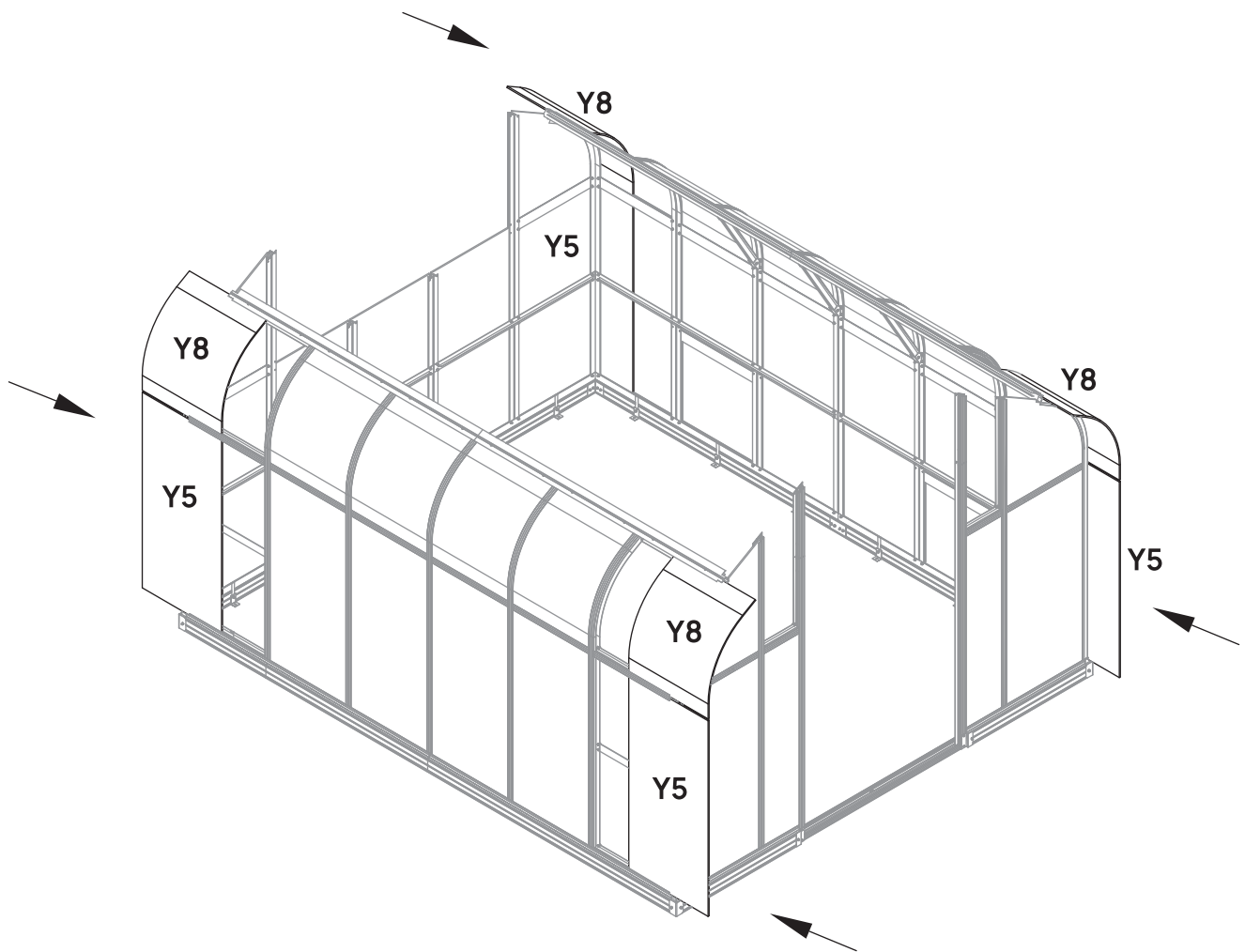
vegogarden.com

24

Remove the pre-installed S21A bolts from the four corner curve frames.
Attach L12A/B corner cover frames onto L01 frames to secure the outermost PC panels as shown, using the removed S21A bolts.

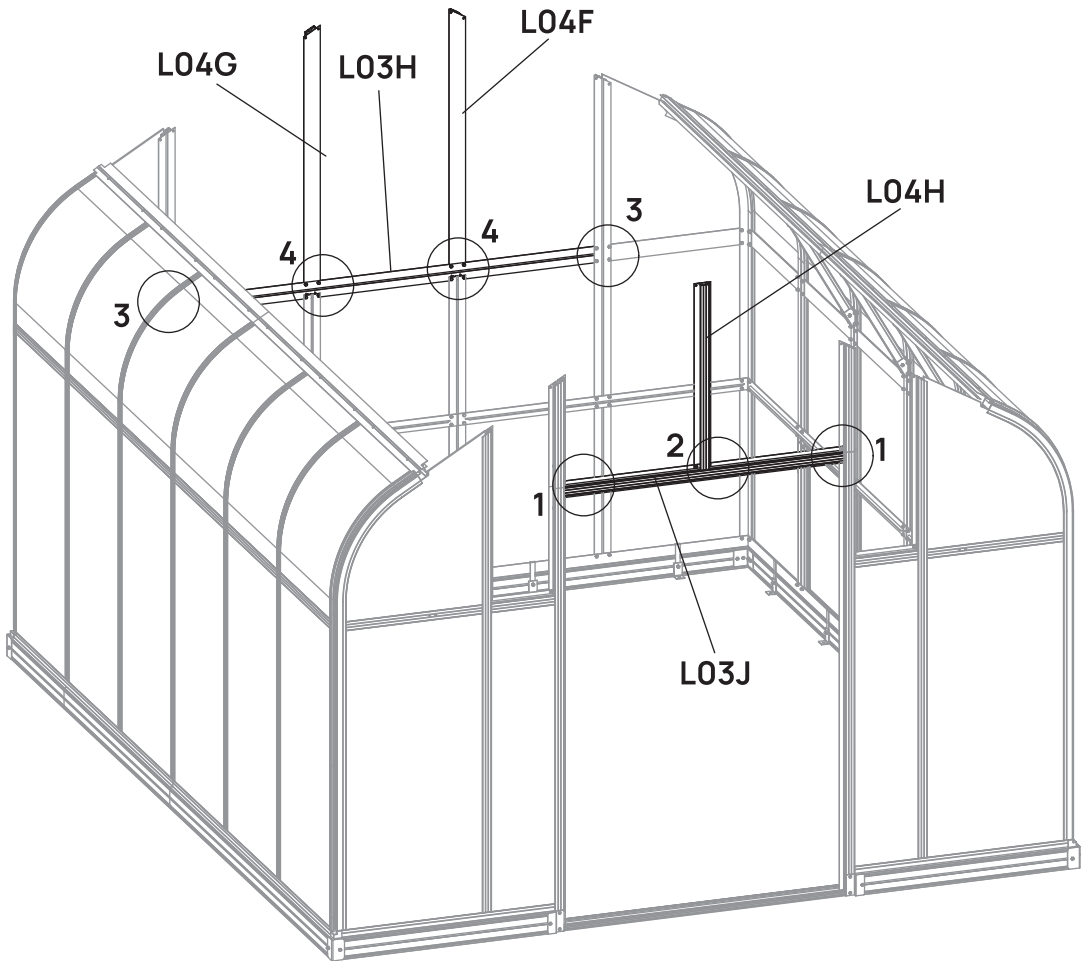| BOX	PART	NO	QTY
ALBOX-1	⌐‾	L12A	2
ALBOX-1	⌐‾	L12B	2
Pre-installed	🔩	S21A M6X10	20
PCBOX-2	◎	H158	1

L01

L12A/B
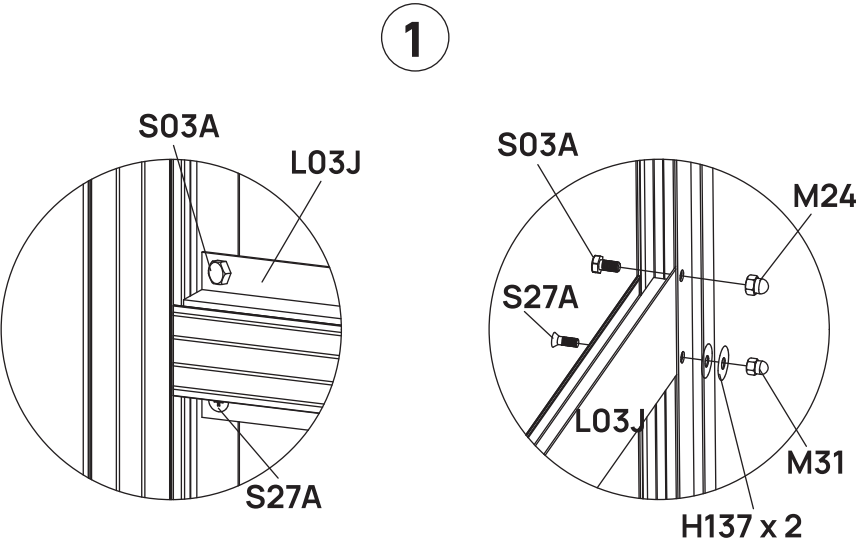
S21A

L12A

L12B

L12B

L12A
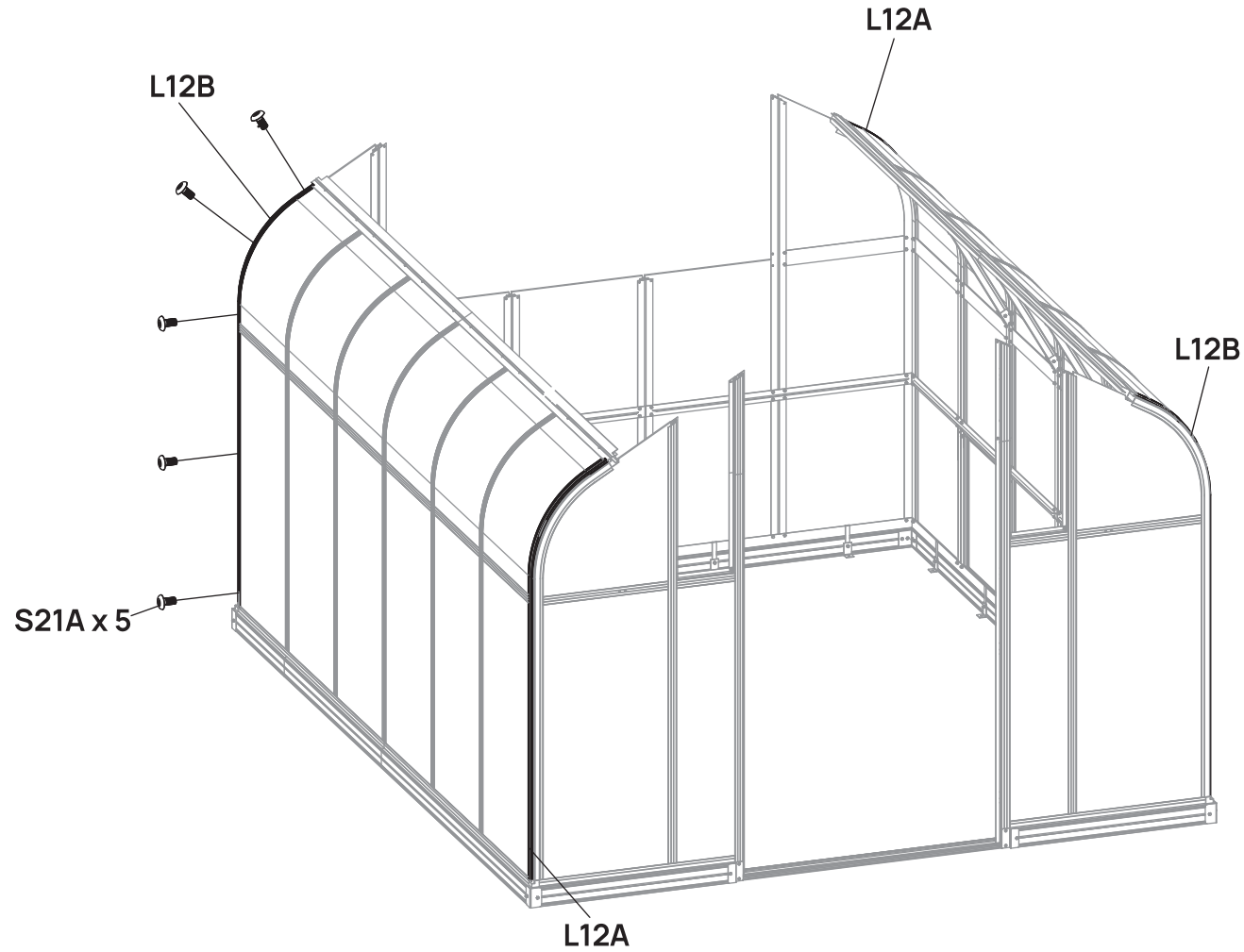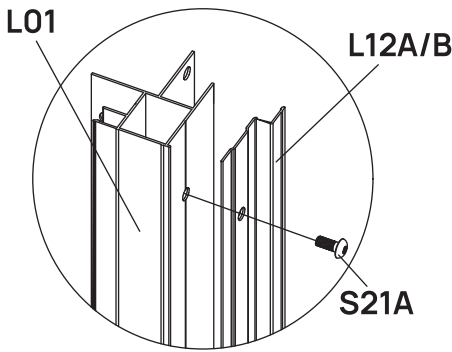
S21A x 5

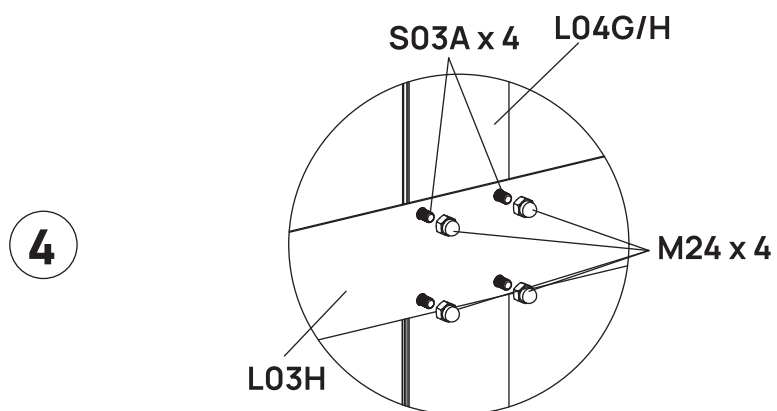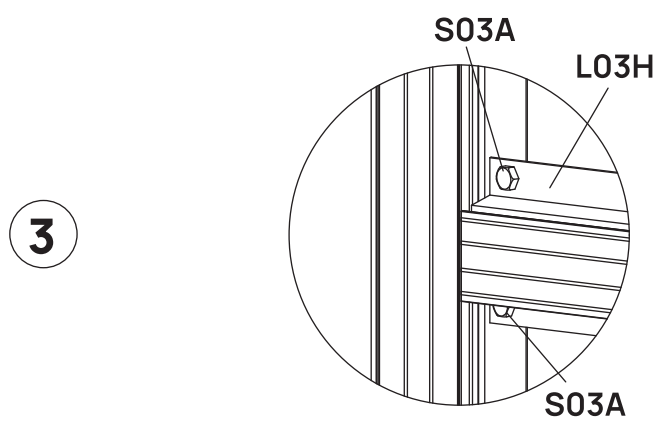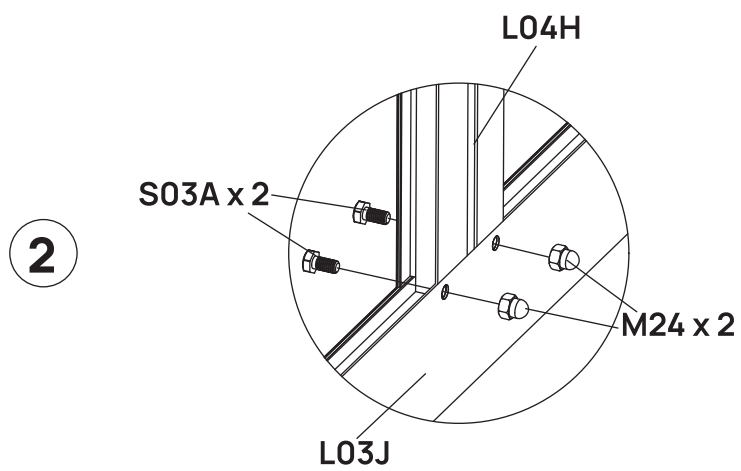Assemble L04F/G/H and L03H/J frames as shown.

Note: Different hardware is required for top and bottom holes on L03

Top holes: S03A, M24

Bottom holes: S27A, H137, M31

BOX	PART	NO	QTY
ALBOX-3		L03J	1
ALBOX-2		L03H	1
ALBOX-3		L04F	1
ALBOX-3		L04G	1
ALBOX-4		L04H	1
ALBOX-4		S03A M6X10	16
ALBOX-4		M24 M6	16
ALBOX-4		S27A M5X12	2
ALBOX-4		M31 M5	2
ALBOX-4		H137	4

②

L04H

S03A x 2

M24 x 2

L03J

③

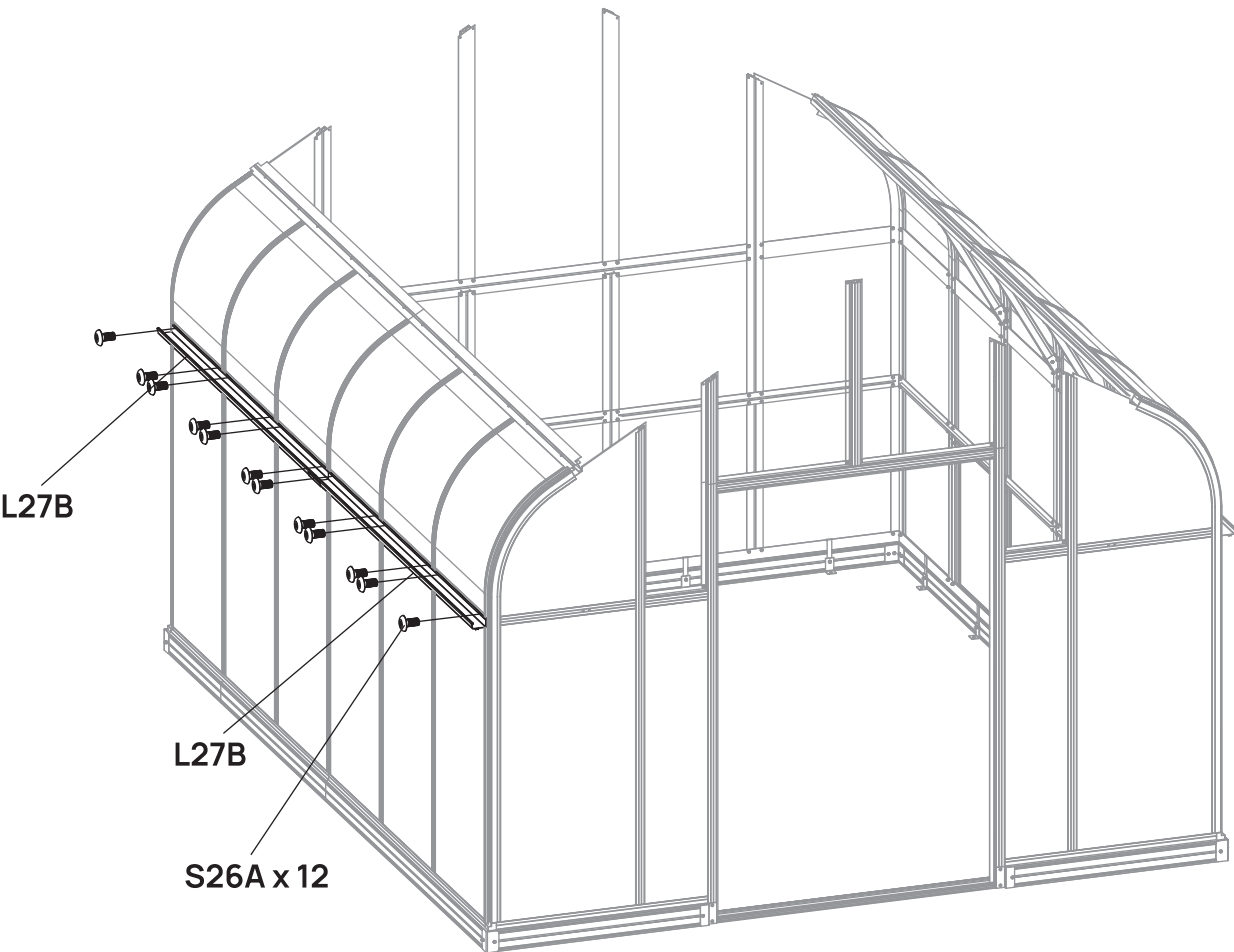S03A

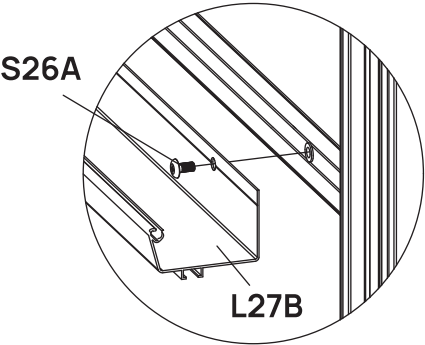L03H

S03A

④

S03A x 4 L04G/H

M24 x 4

L03H

57

26

Remove the pre-installed S26A bolts from L04 frames, then attach the gutter frames onto L04 frames as shown, using S26A.

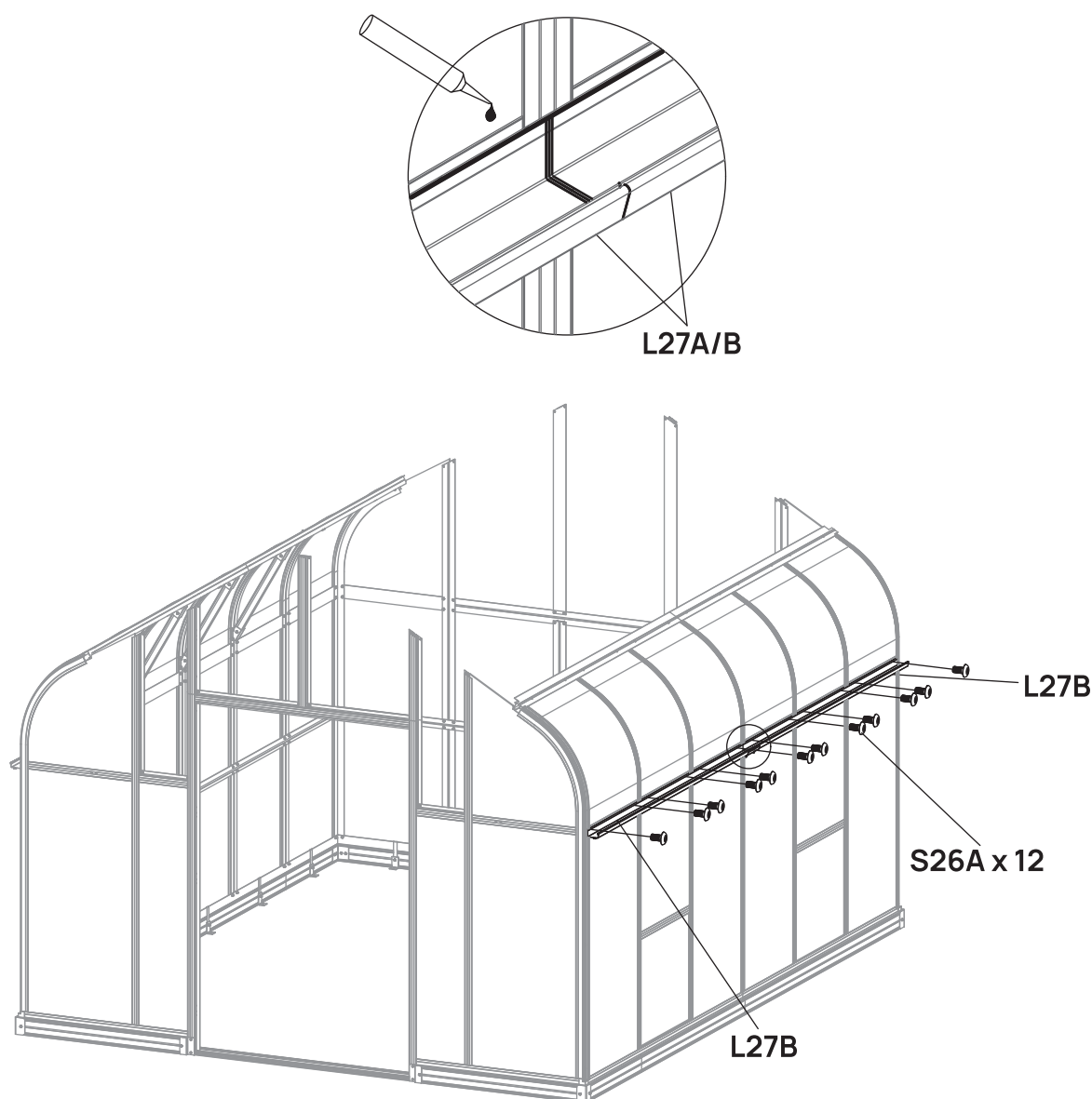| BOX	PART	NO	QTY
ALBOX-2		L27B	4
ALBOX-4		D25	2
ALBOX-4		S03A M6X10	4
ALBOX-4		M24 M6	4
Pre-installed		S26A M5X12	24

S26A

L27B

L27B

L27B

S26A x 12

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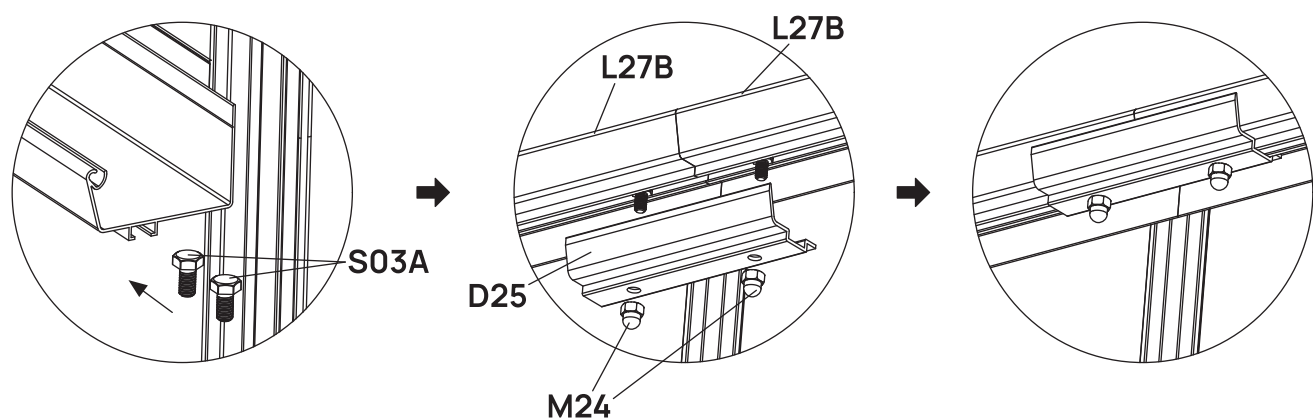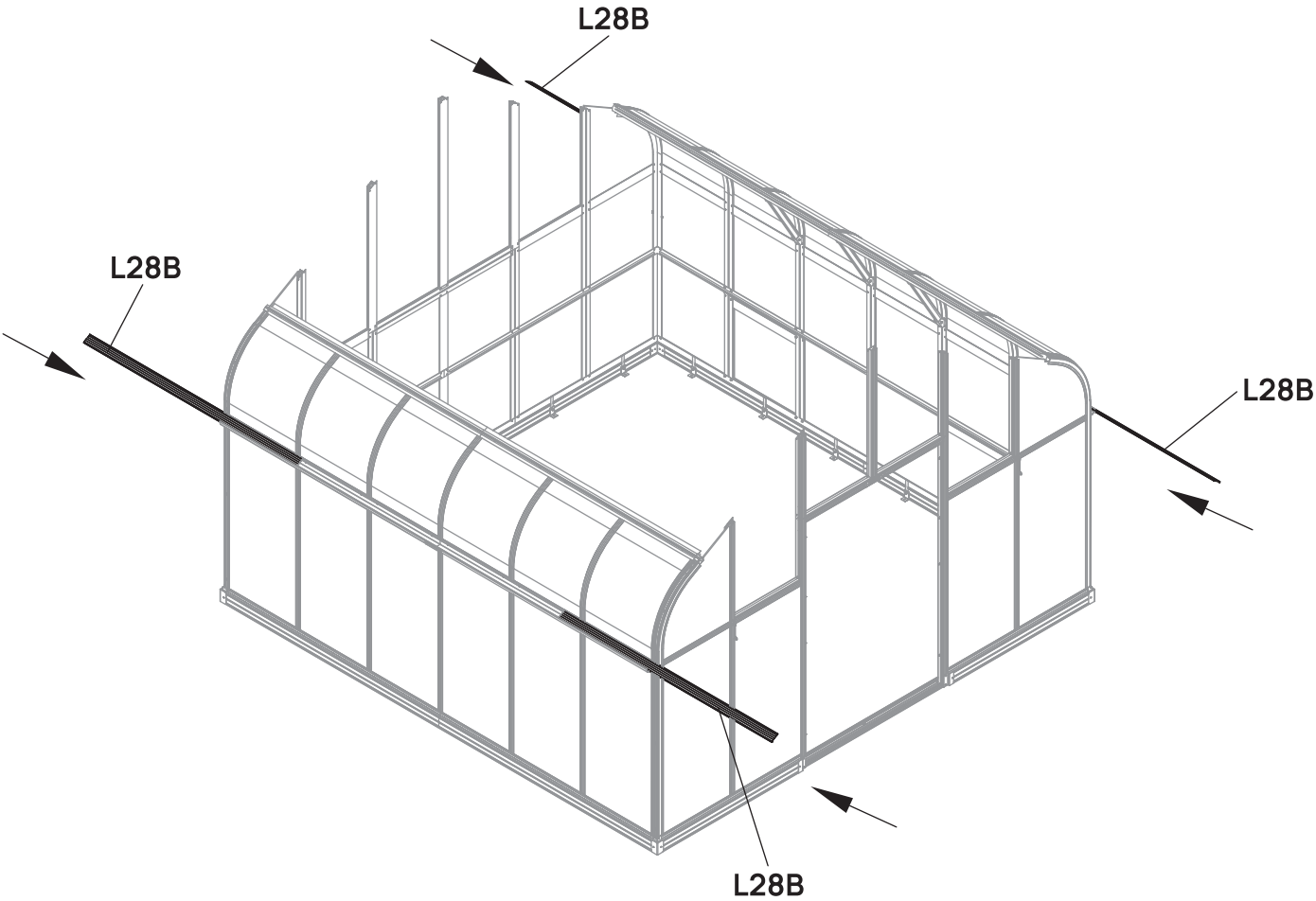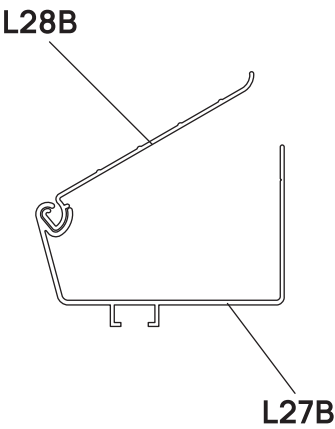

Apply silicone caulk (not provided) between the gaps of each gutter frame pieces, as well as the gaps between eave frames and gutter frames to seal.

L27A/B

L27B

S26A x 12

L27B

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

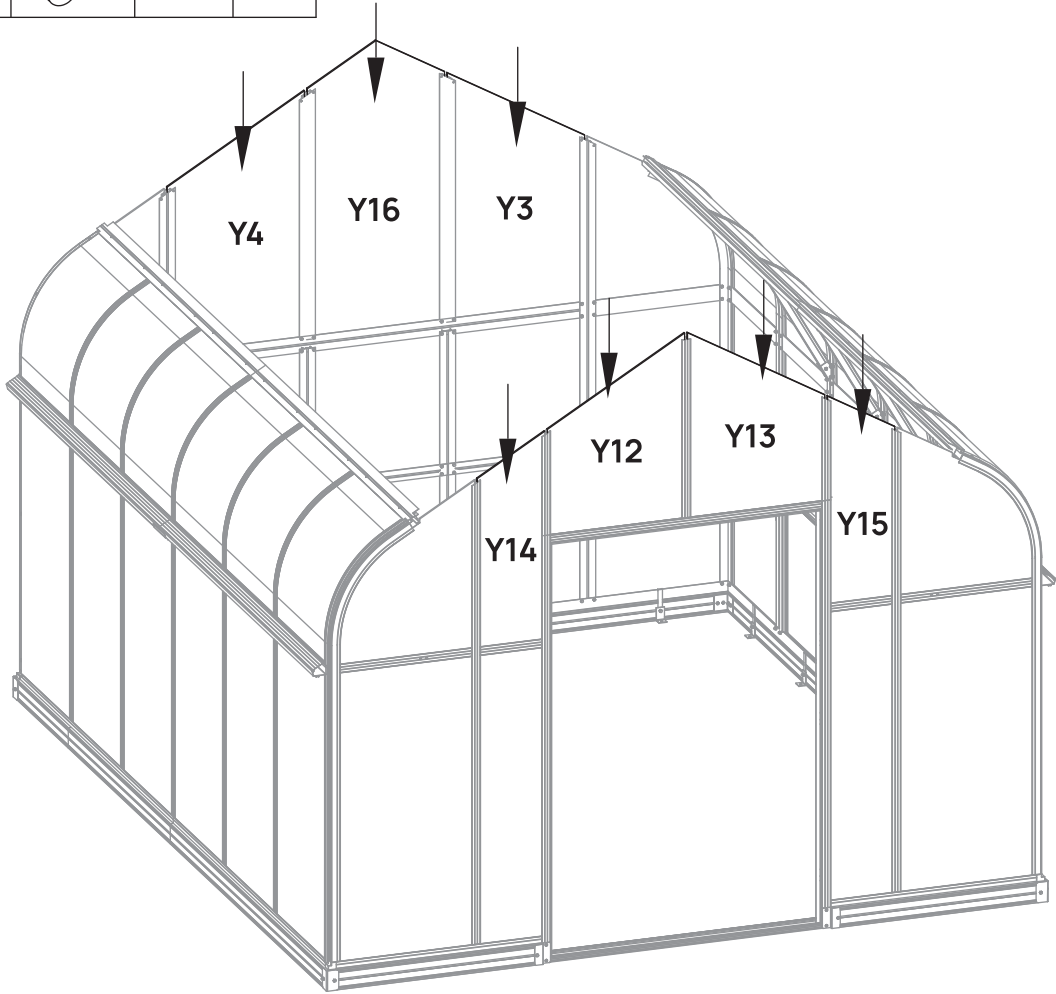| BOX	PART	NO	QTY
ALBOX-2		L28B	4

L28B

L27B

L28B

L28B

L28B

L28B

Insert the front and back gable panels as shown.

BOX	PART	NO	QTY
ALBOX-3		L01C	1
ALBOX-3		L01D	1
ALBOX-3		L01E	1
ALBOX-3		L01F	1
ALBOX-4		S03A M6X10	22
ALBOX-4		M24 M6	22
PCBOX-3		Y3	1
PCBOX-3		Y4	1
PCBOX-3		Y12	1
PCBOX-3		Y13	1
PCBOX-3		Y14	1
PCBOX-3		Y15	1
PCBOX-3		Y16	1
PCBOX-2		H158	1

Y4   Y16   Y3

Y12   Y13

Y14   Y15

Assemble the front and back gable frames as shown.

L01E

L01F

L01D

L01C

1

L01C/D/E/F

2

L01C/D/E/F

S03A/M24 x 2

3

L01D/F

L01C/E
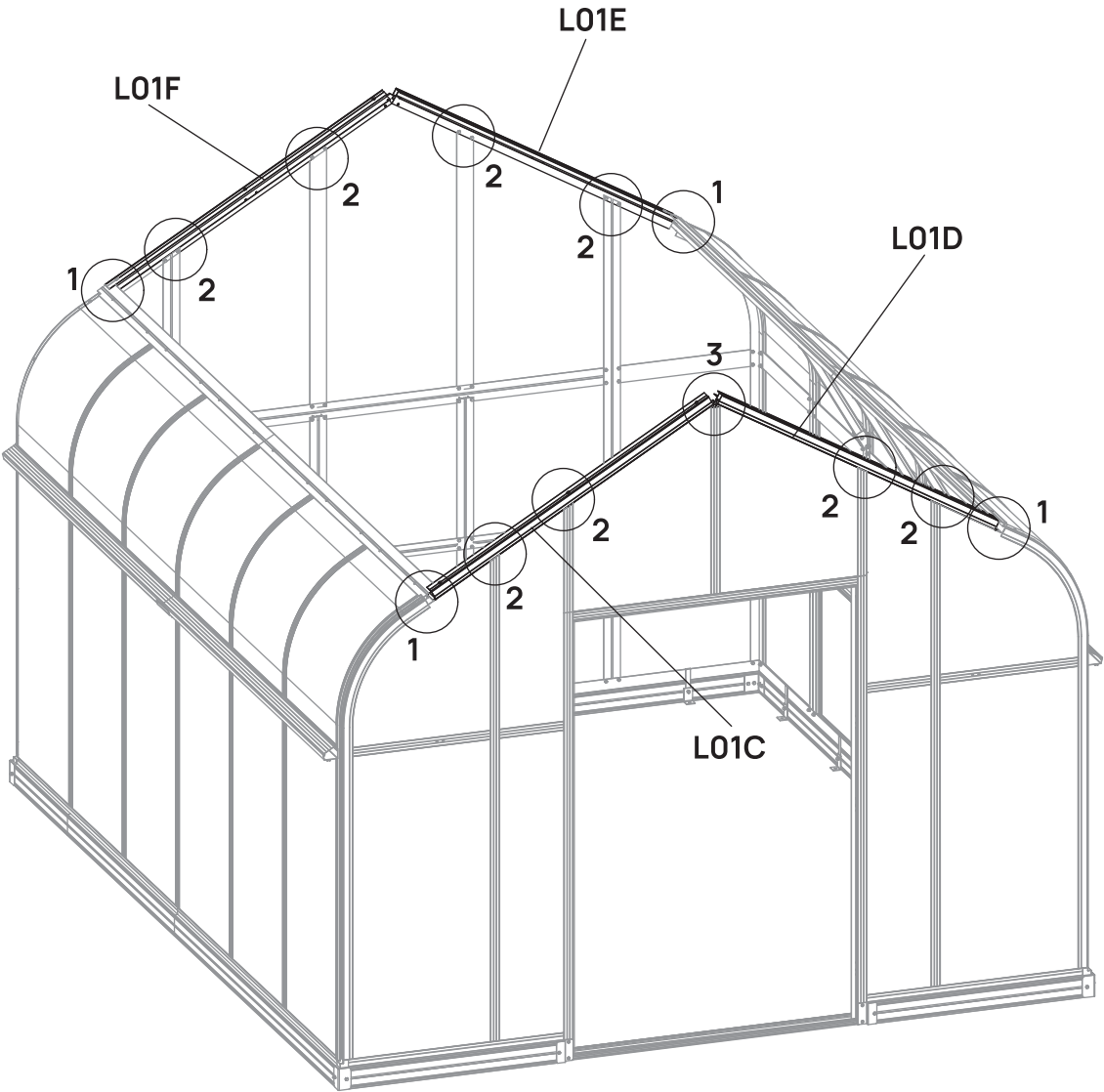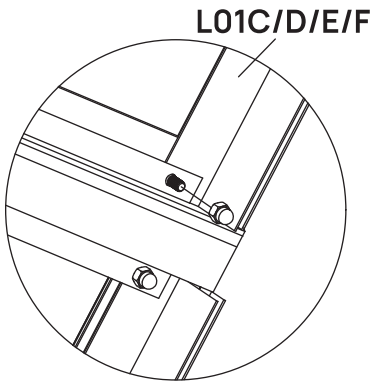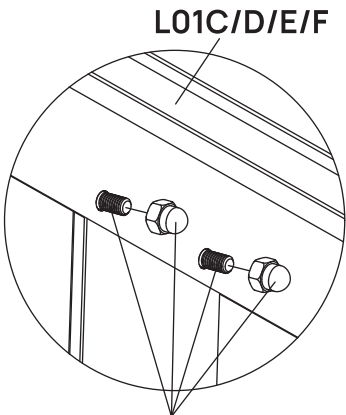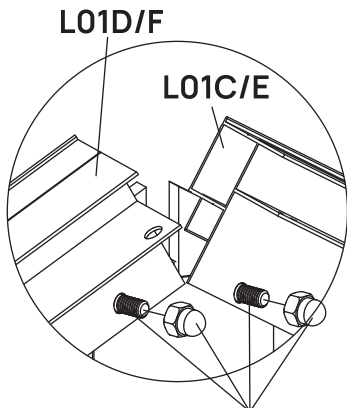
S03A/M24 x 2

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		K2	2
PCBOX-1		L42A	2
PCBOX-1		L42B	2
PCBOX-1		L44A	24
PCBOX-1		Y41	12
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		Z02A Ø4X16D	8
PCBOX-1		S101 M5X8	4
PCBOX-1		S103 M5X15	4
PCBOX-1		S92 M4X1 0	4
PCBOX-1		M30 M4	4
PCBOX-1		M18 M5	4
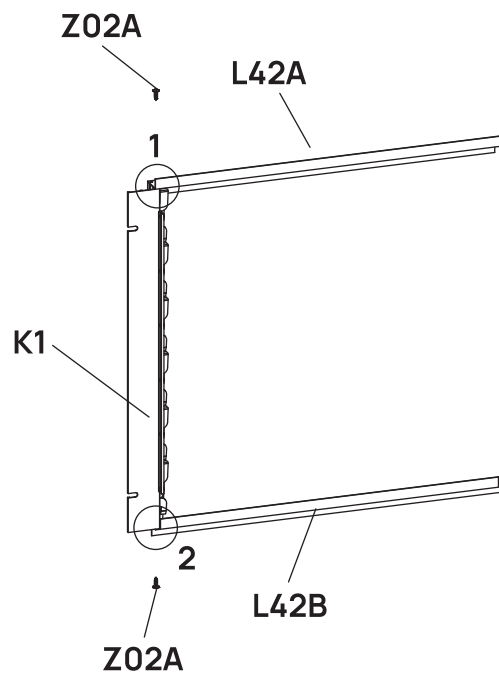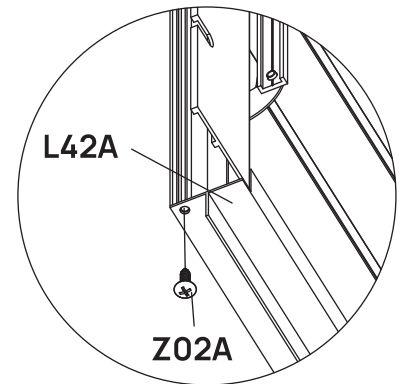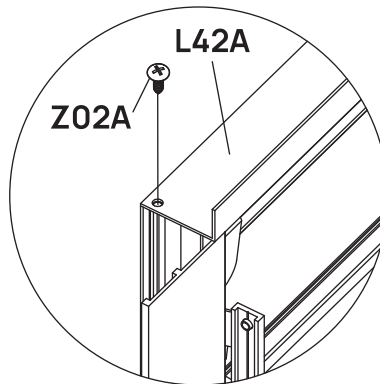
02

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

L44A

Short edge

Y41

L44A

X6

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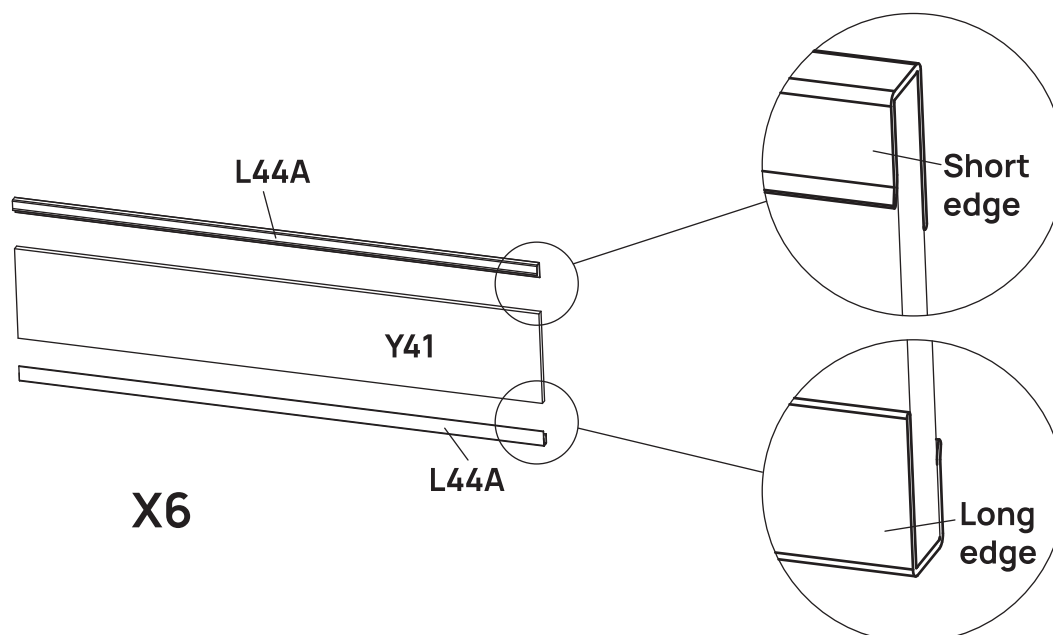
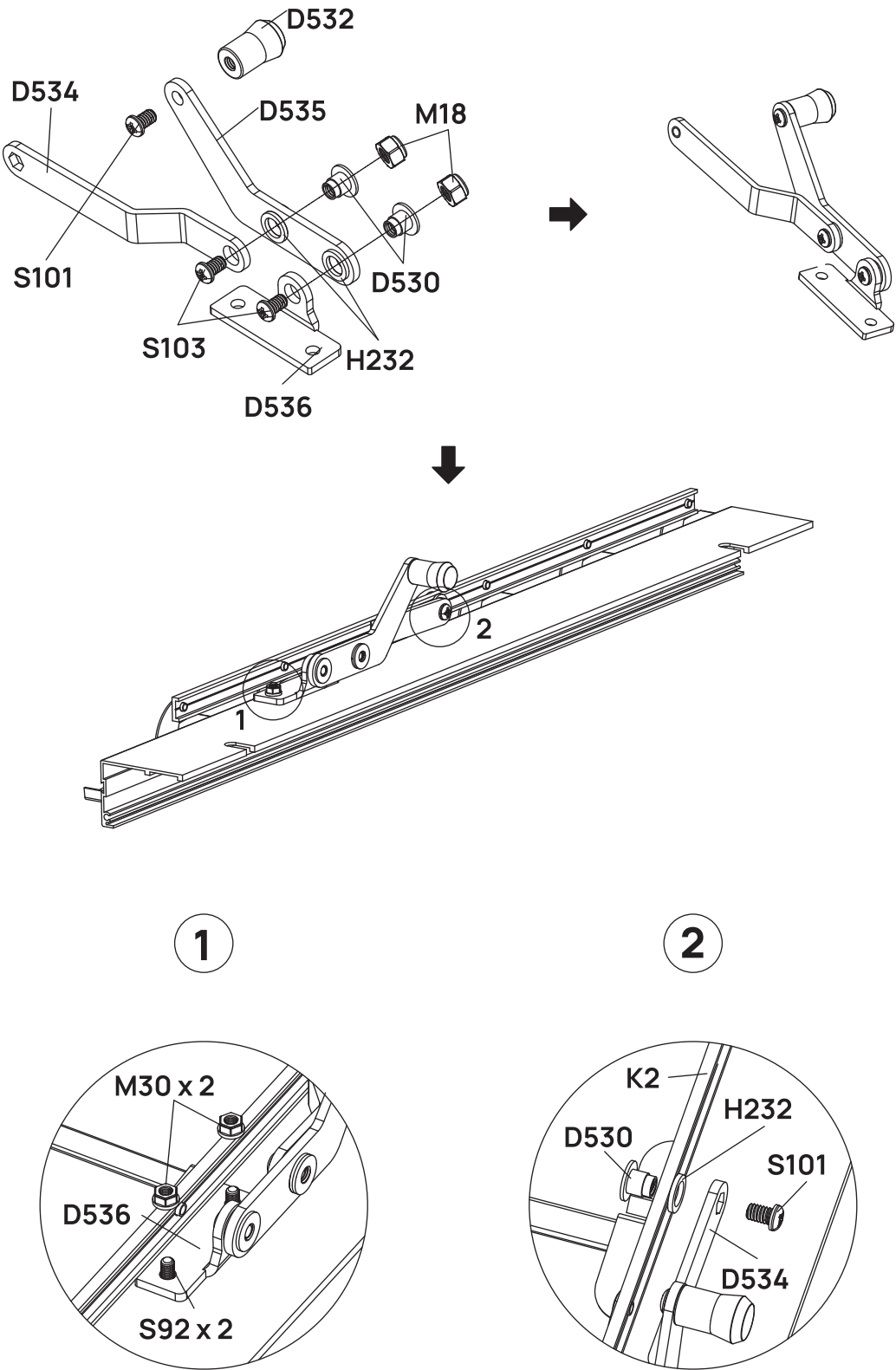Insert all louver blades into the control frames, with the short edges of the L44A profiles facing inward and upward.
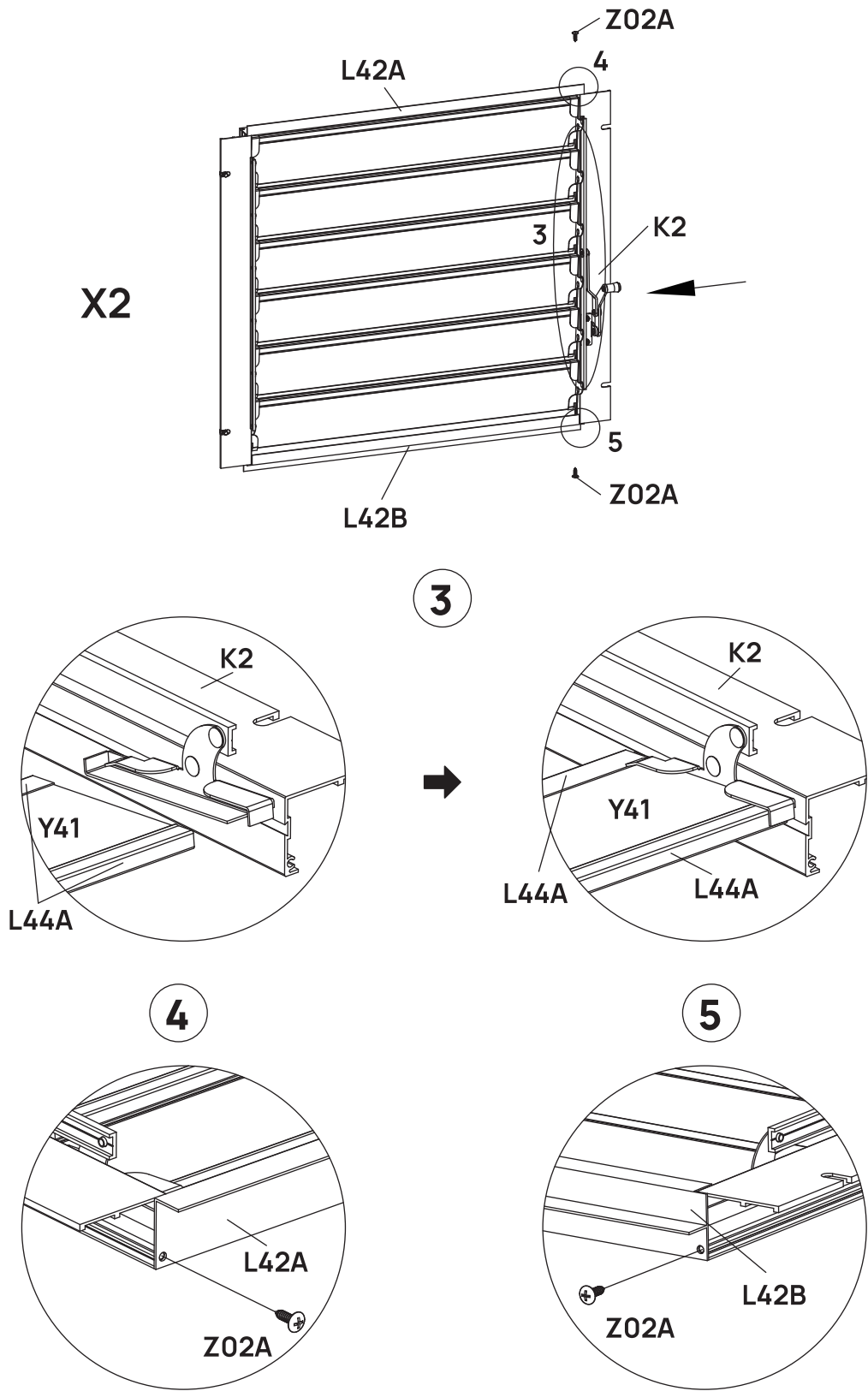
Short edge

Y41

Long edge

Y41
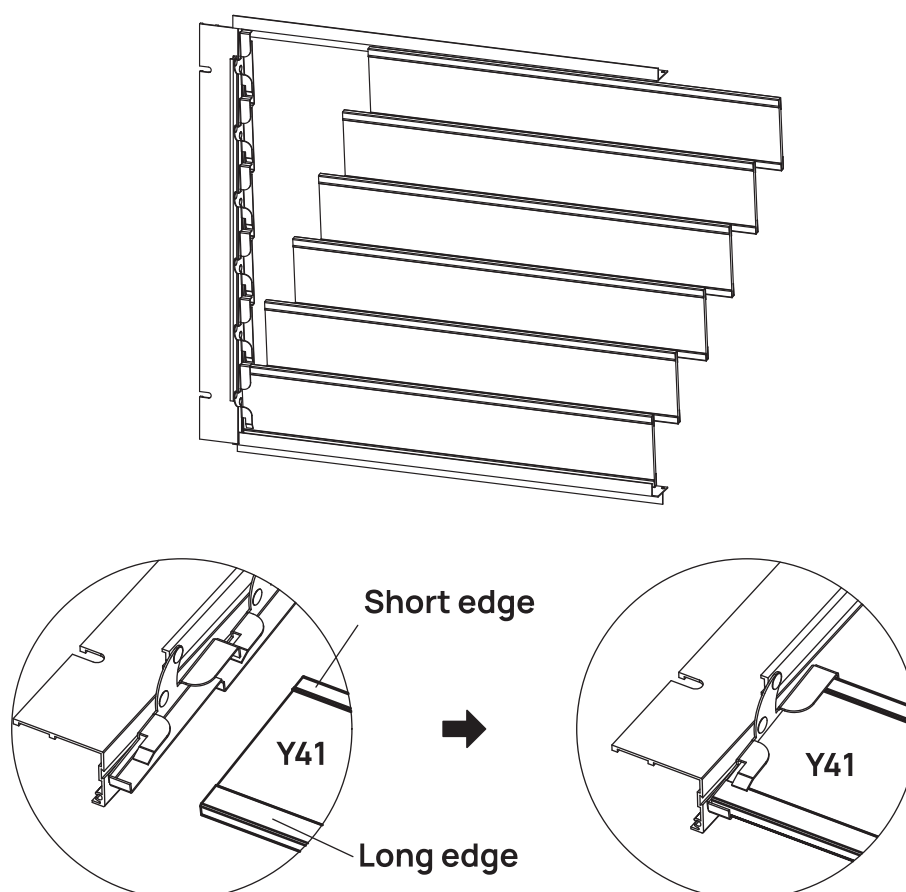
Assemble the louver control handle as shown, then attach it to the K2 control frame.

D532

D534

D535   **M18**

S101

D530

S103

H232

D536

1

2

①

M30 x 2

D536

S92 x 2

②

K2

H232

D530

S101

D534

04

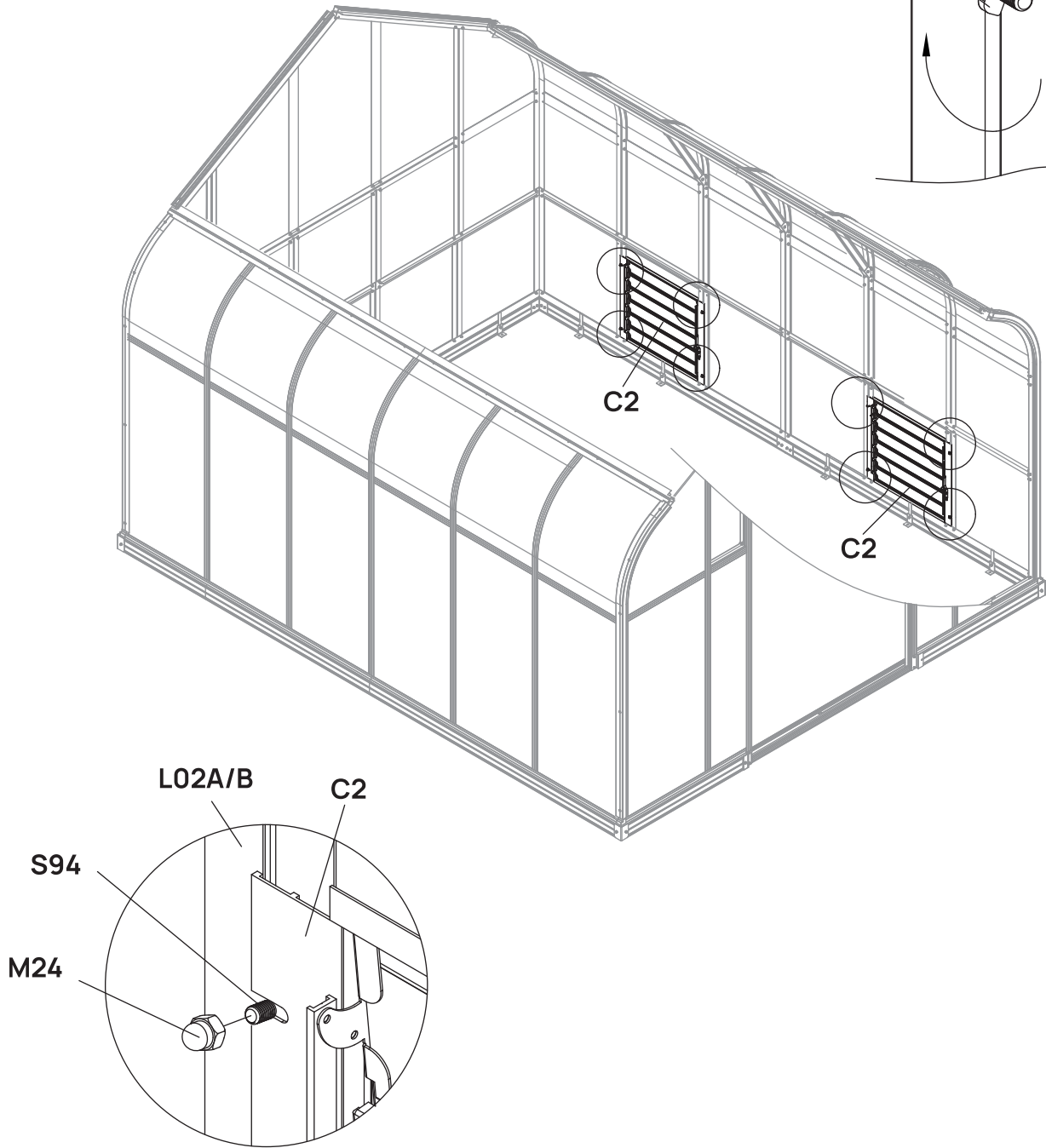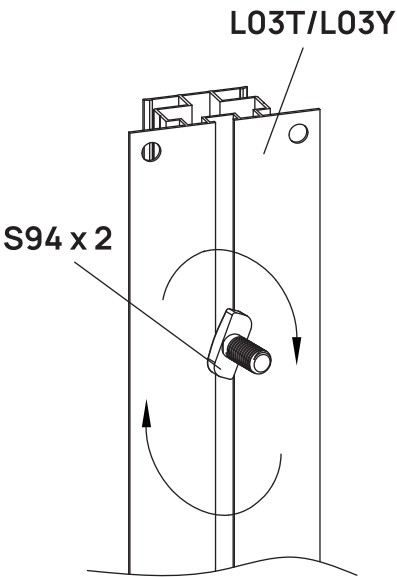Attach K2 control frame with handle to L42 frames and blades, secure with Z02A screws as shown.

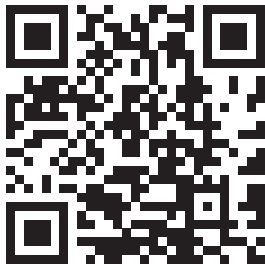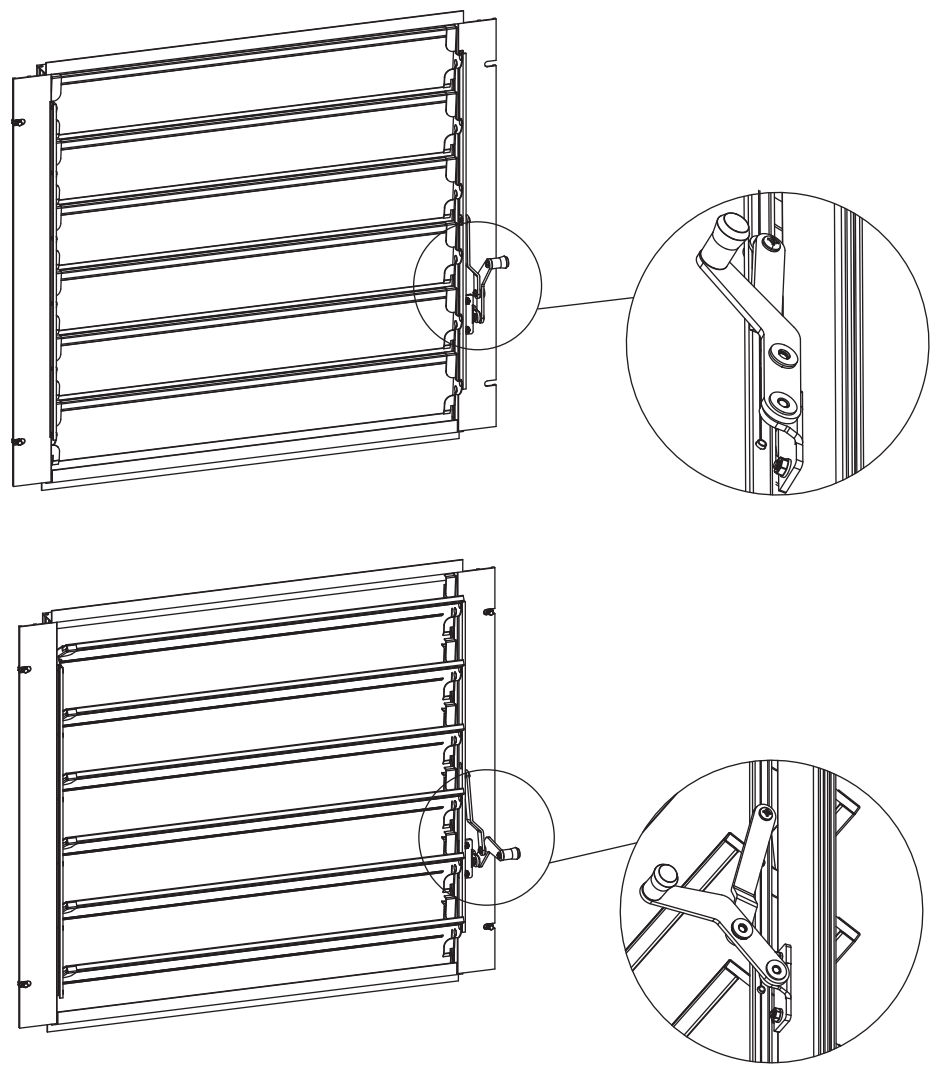Repeat these steps and assemble a total of 2 louvered windows.

05

Attach the 2 sets of louvered windows 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

L02A/B

C2

S94

M24

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

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Roof Assembly

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

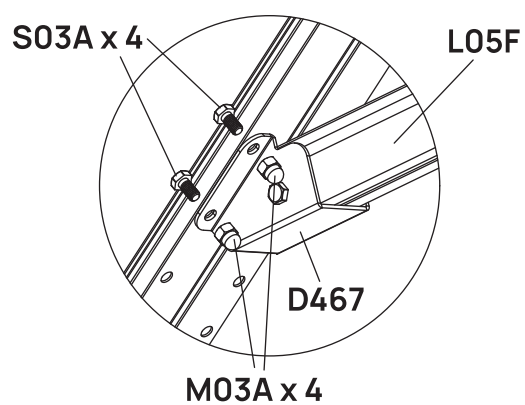| BOX	PART	NO	QTY
ALBOX-3		L02E	2
ALBOX-4		L05F	1
ALBOX-4		D348	2
ALBOX-1		D467	2
ALBOX-4		S03A M6X10	24
ALBOX-4		M24 M6	24
Pre-installed		S01A M6X12	4

1

L02E   D348   L02E

D348

S03A x 12

M24 x 12

69

2

L05F

D467

D467

S01A x 2

L05F

S01A x 2

D467

L05F

D467

S03A x 4

L05F

D467

M03A x 4
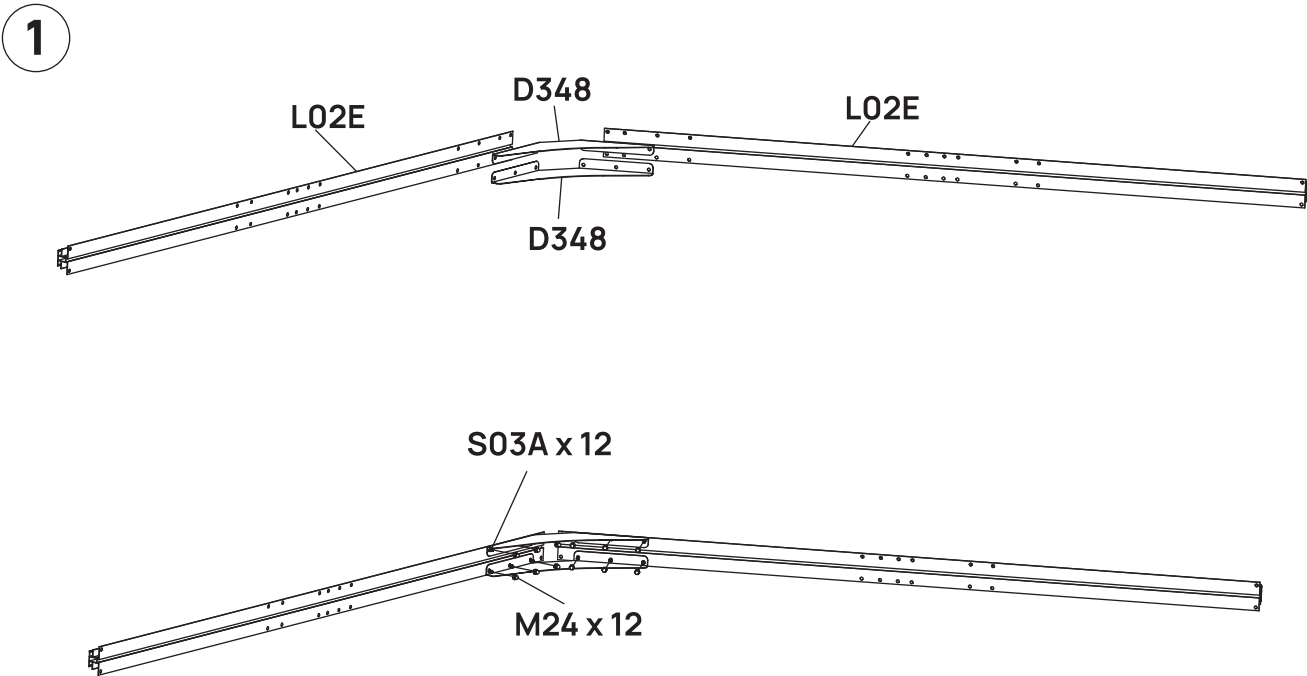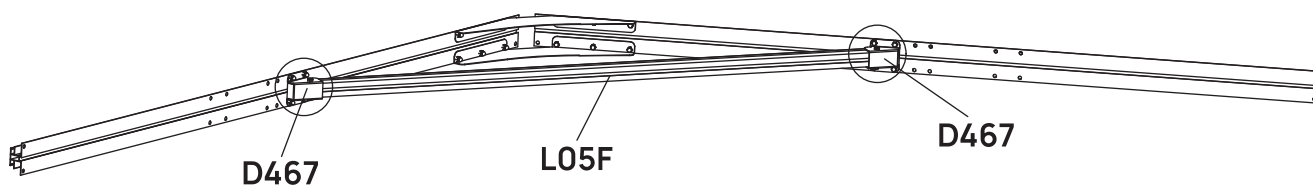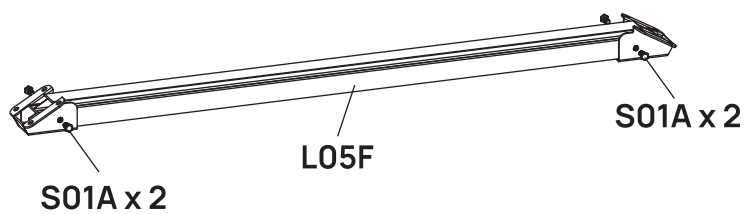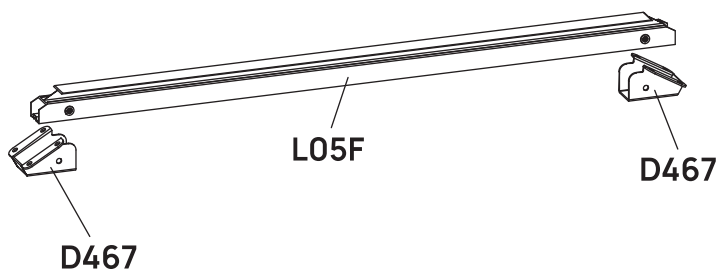
02

Attach the roof rafters to the eave frames as shown.
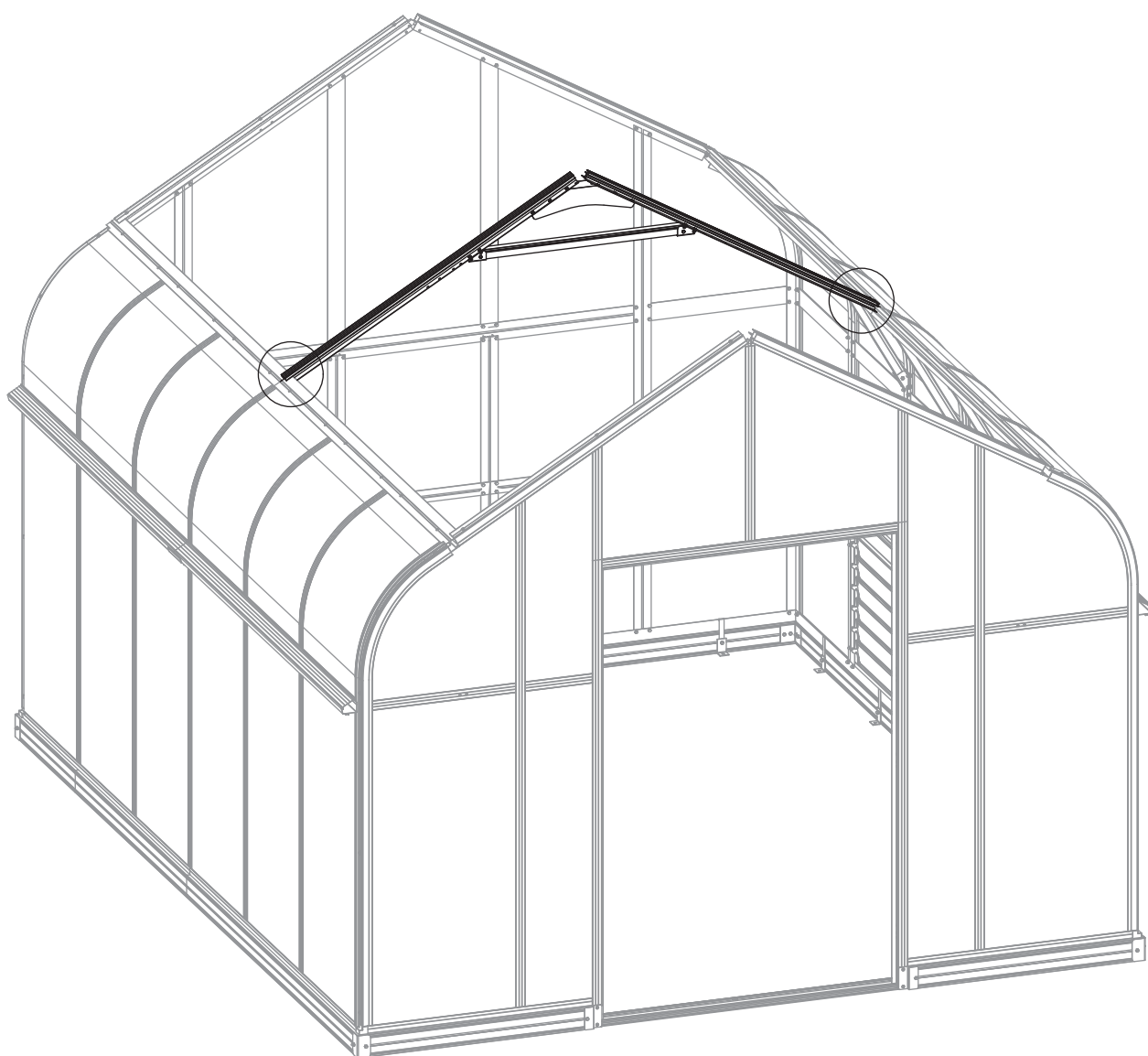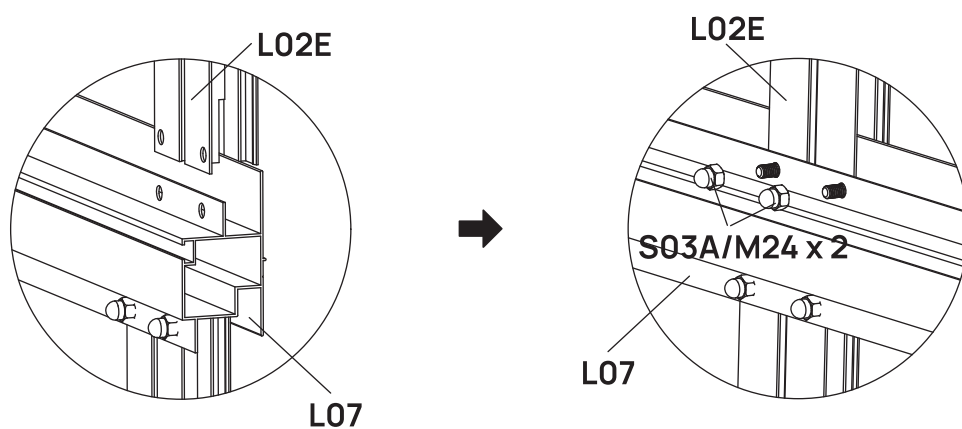
Assemble ridge frames on the roof rafters as shown.

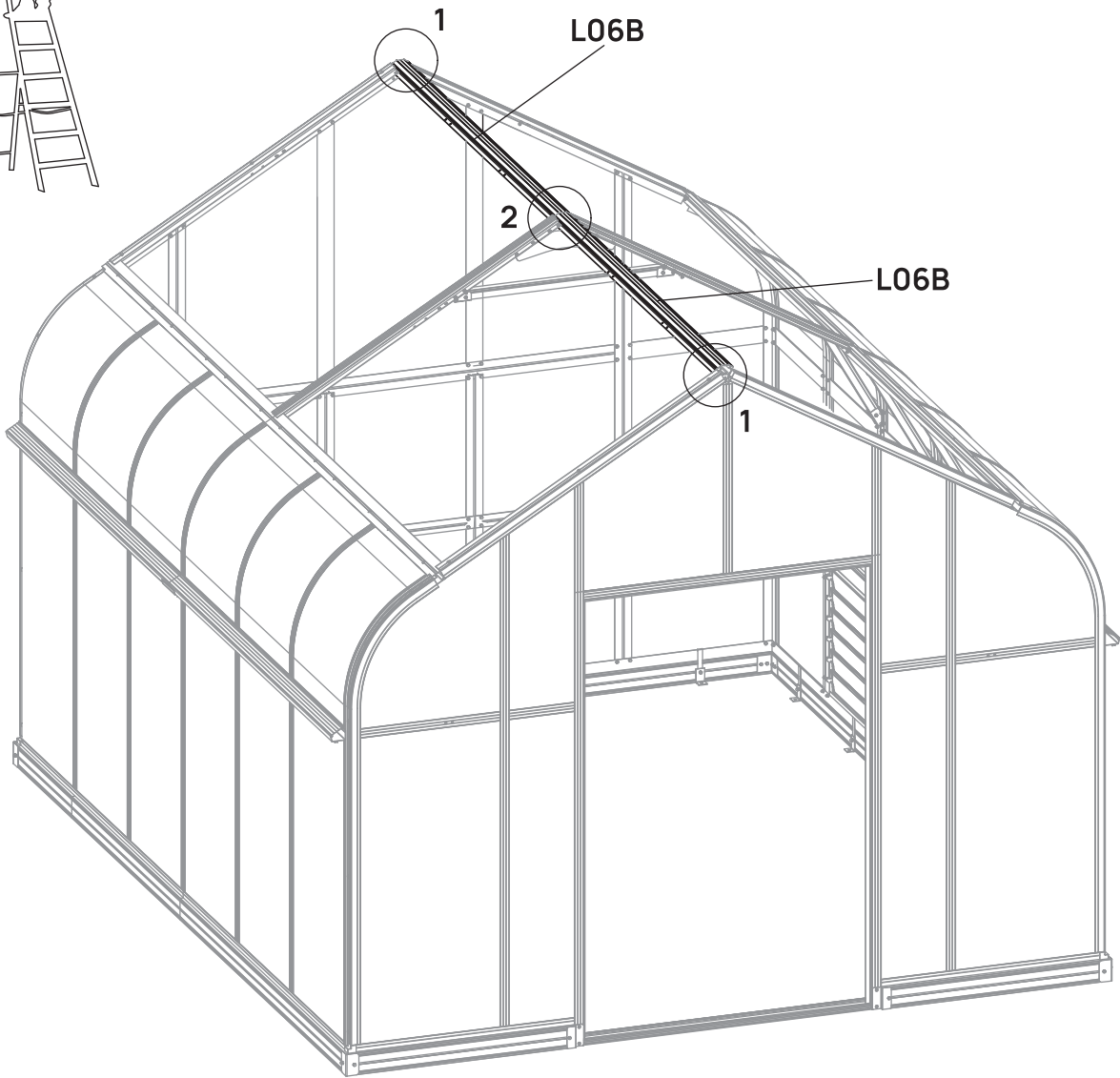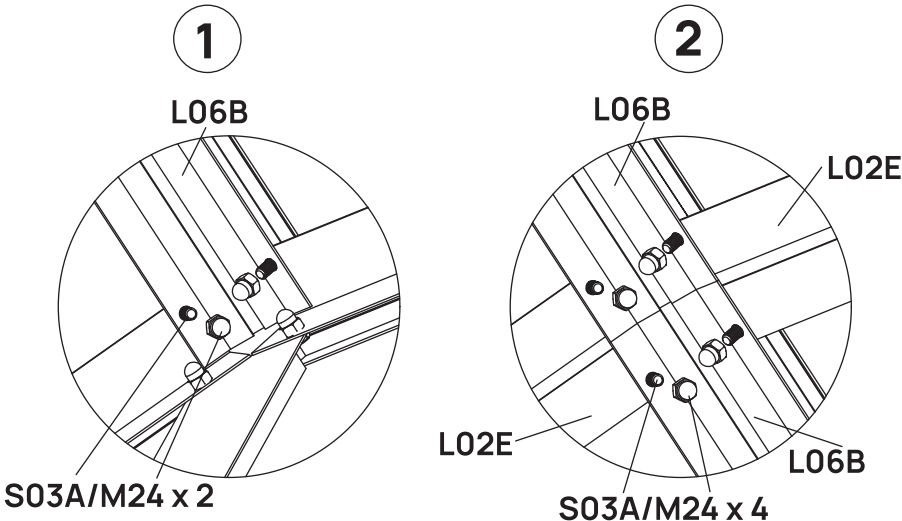| BOX	PART	NO	QTY
ALBOX-2		L05B	4
ALBOX-2		L06B	2
ALBOX-4		D26	1
ALBOX-4		S03A M6X10	24
ALBOX-4		M24 M6	24
ALBOX-4		Z08A M4.2X16	2

1

L06B

S03A/M24 x 2

2

L06B

L02E

L02E

S03A/M24 x 4

L06B

1

L06B

2

L06B

1
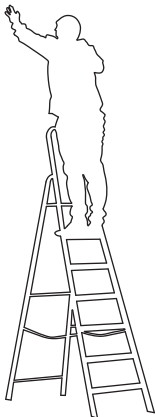
Secure the D26 ridge cap with Z08A screws to reinforce the ridge structure.

③

Z08A x 2

D26

③
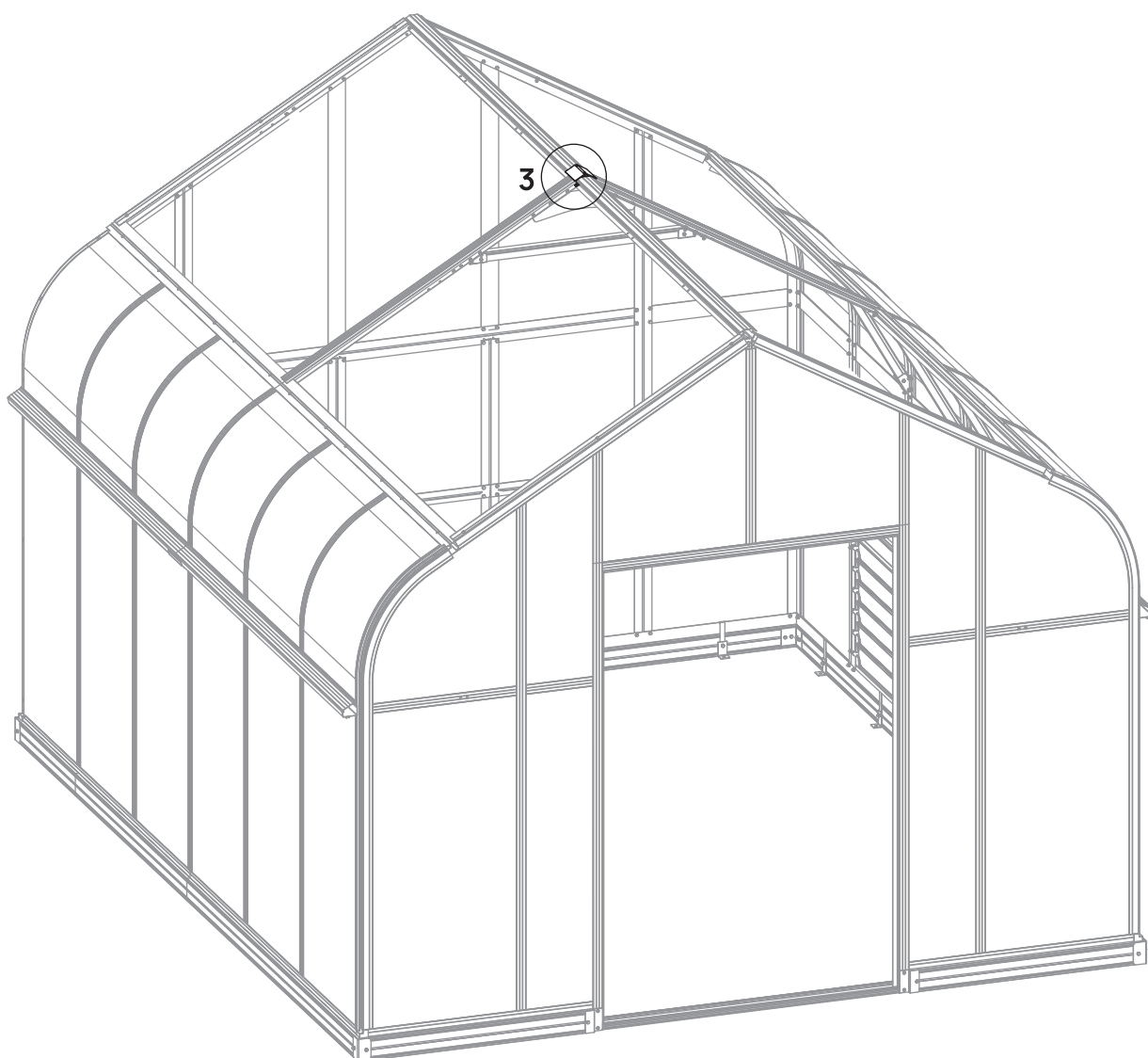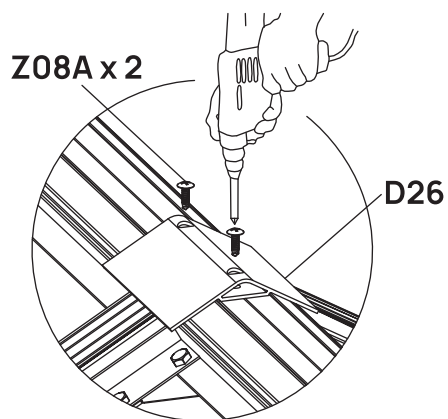
05

Assemble L05 roof connecting frames as shown.
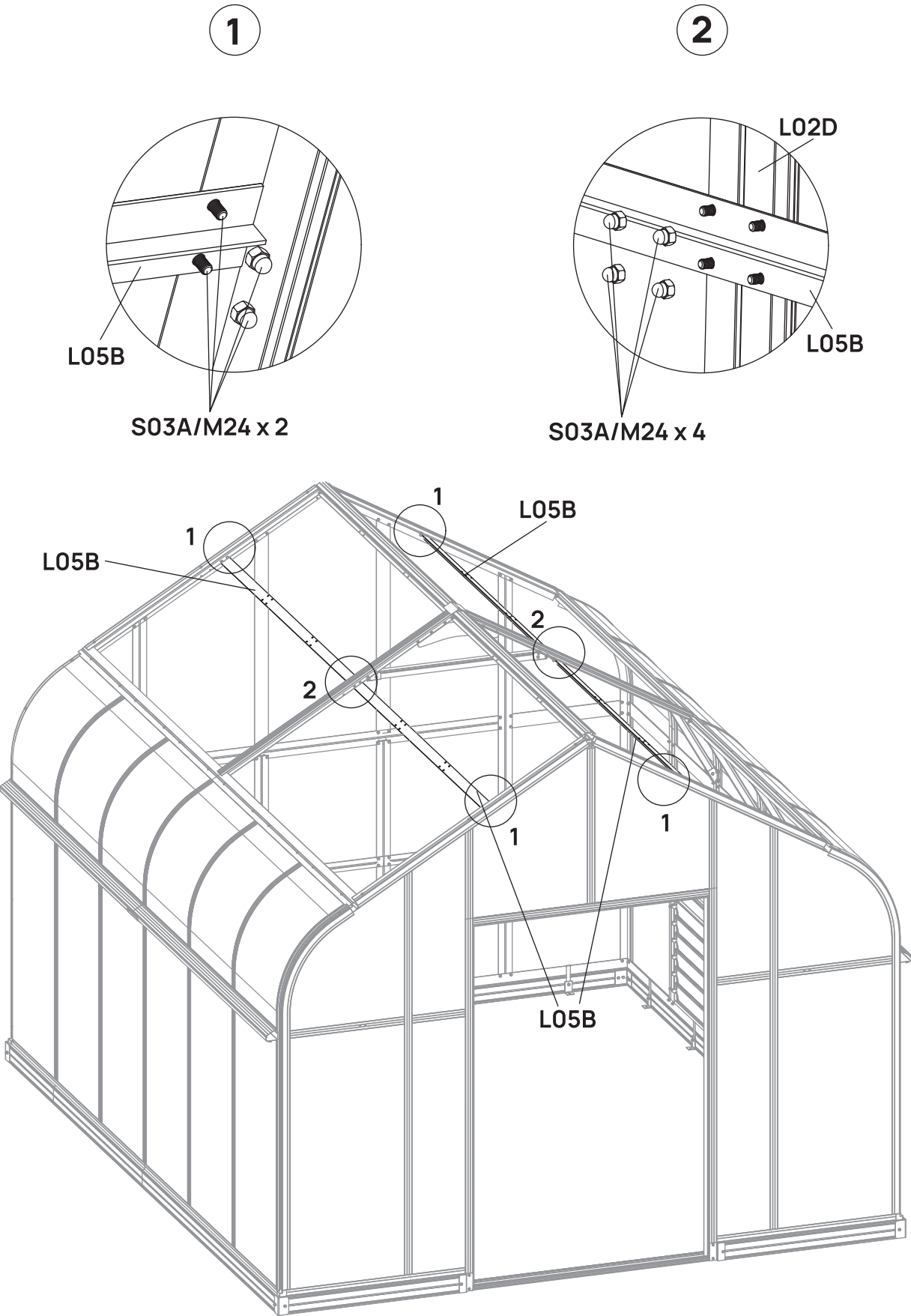
1

2

L02D

L05B

L05B

S03A/M24 x 2

S03A/M24 x 4

L05B

L05B

L05B

L05B

Assemble the rest of L02C and L02D roof rafters as shown.

BOX	PART	NO	QTY
ALBOX-3		L02C	4
ALBOX-3		L02D	4
ALBOX-4		S03A M6X10	64
ALBOX-4		M24 M6	64

1

L02C/D

S03A/M24 x 2

L07

2

S03A/M24 x 4

3

L02C/D

S03A/M24 x 4

L05B
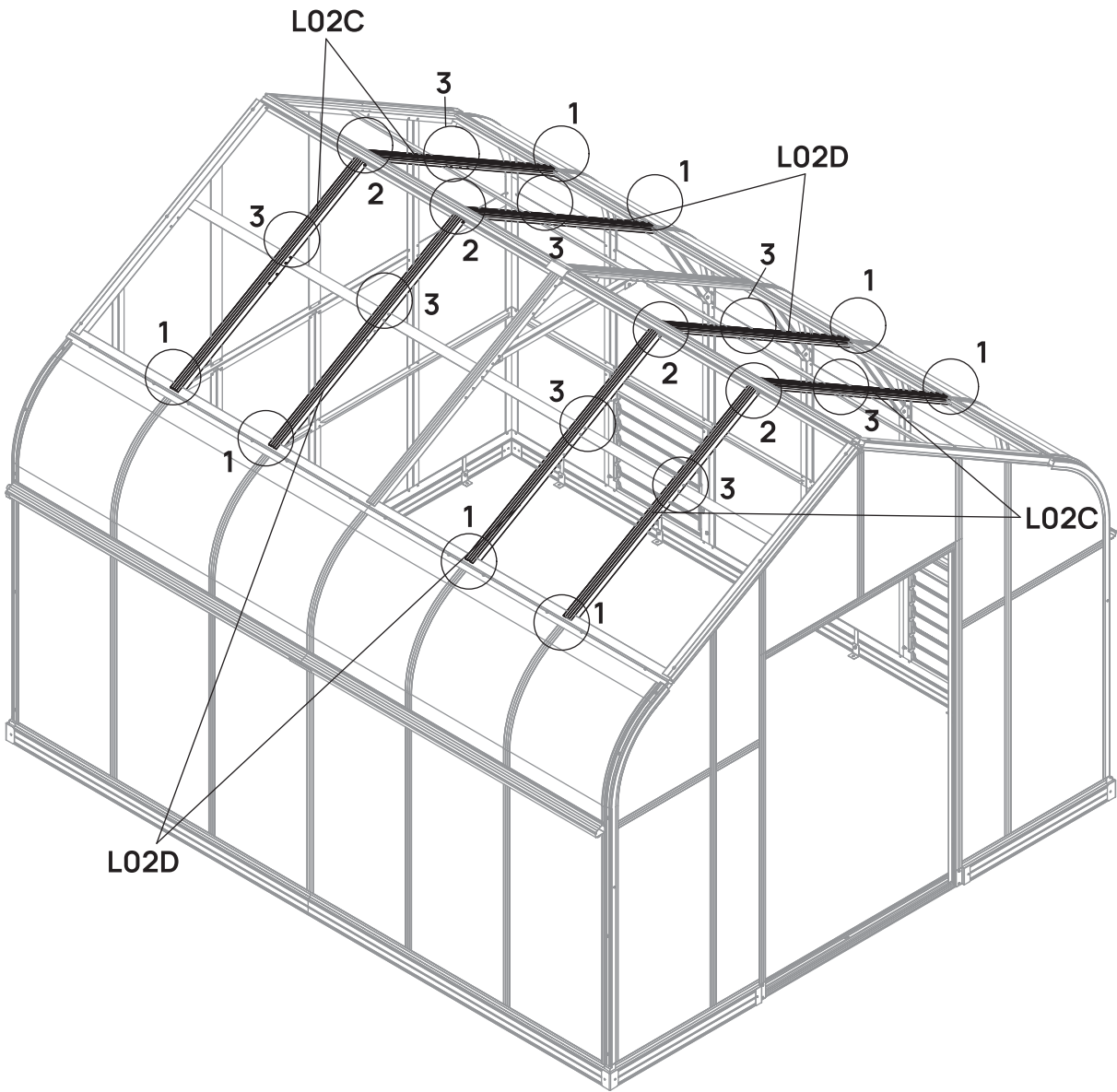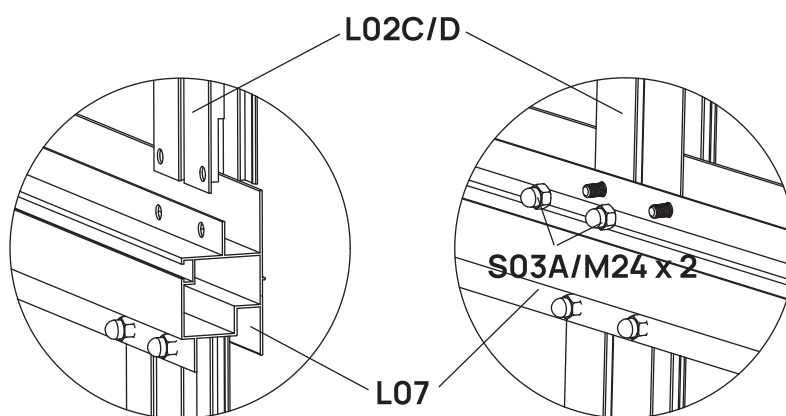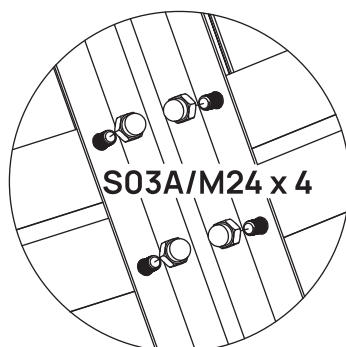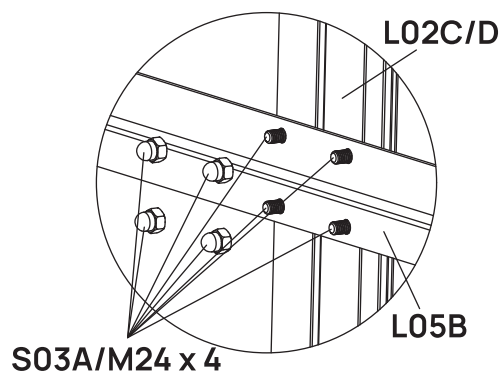
Assemble the rest of support bars, then attach them to the rafters as shown.

BOX	PART	NO	QTY
ALBOX-4		L05F	2
ALBOX-1		D467	4
Pre-installed		S01A M6X12	8
ALBOX-4		S03A M6X10	16
ALBOX-4		M24 M6	16

L05F

D467

D467

S01A x 2

L05F

S01A x 2

D467

L05F

D467

S03A x 4

L05F

D467

M03A x 4
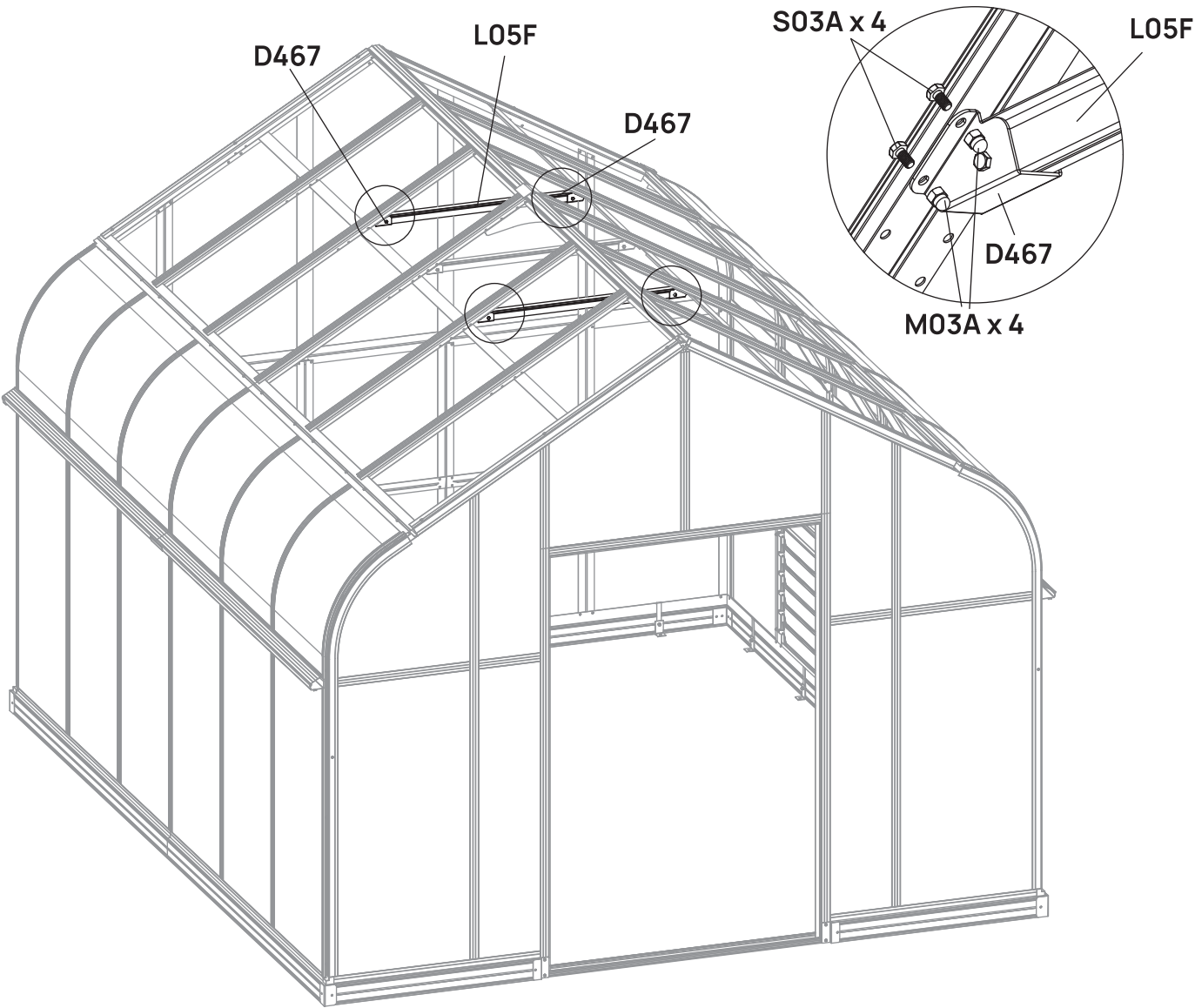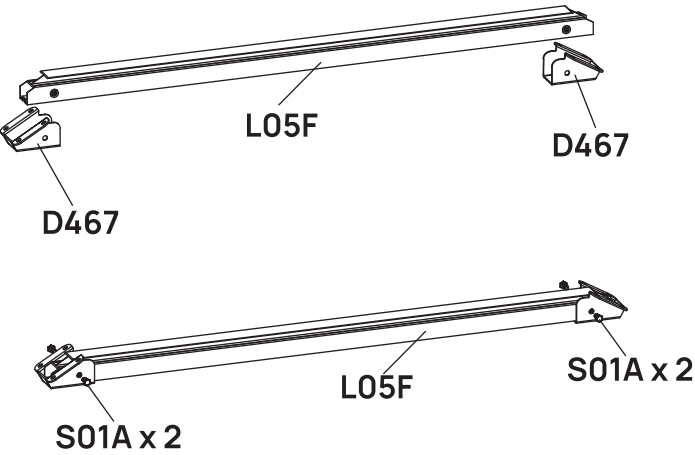
Vent Assembly

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.

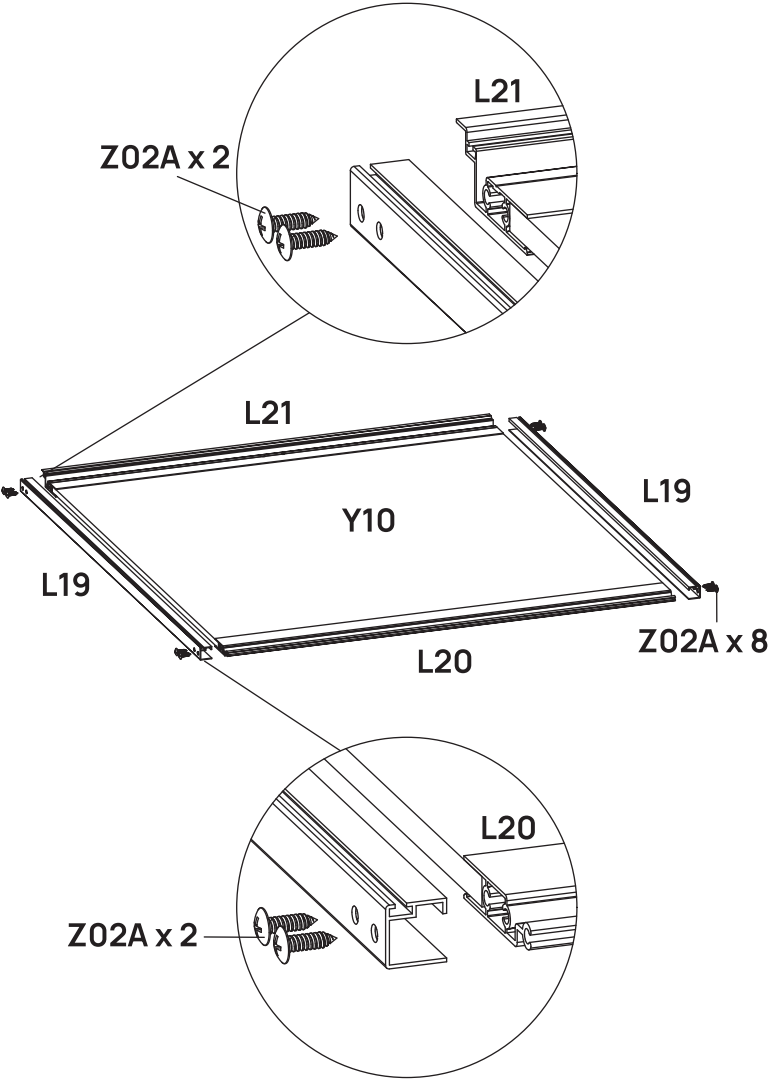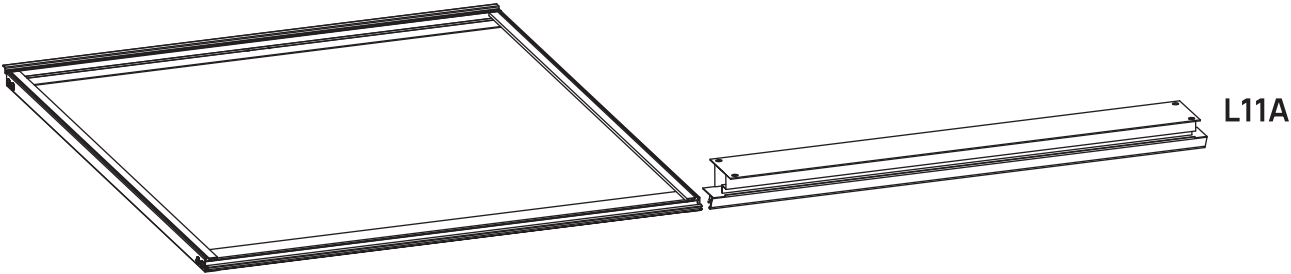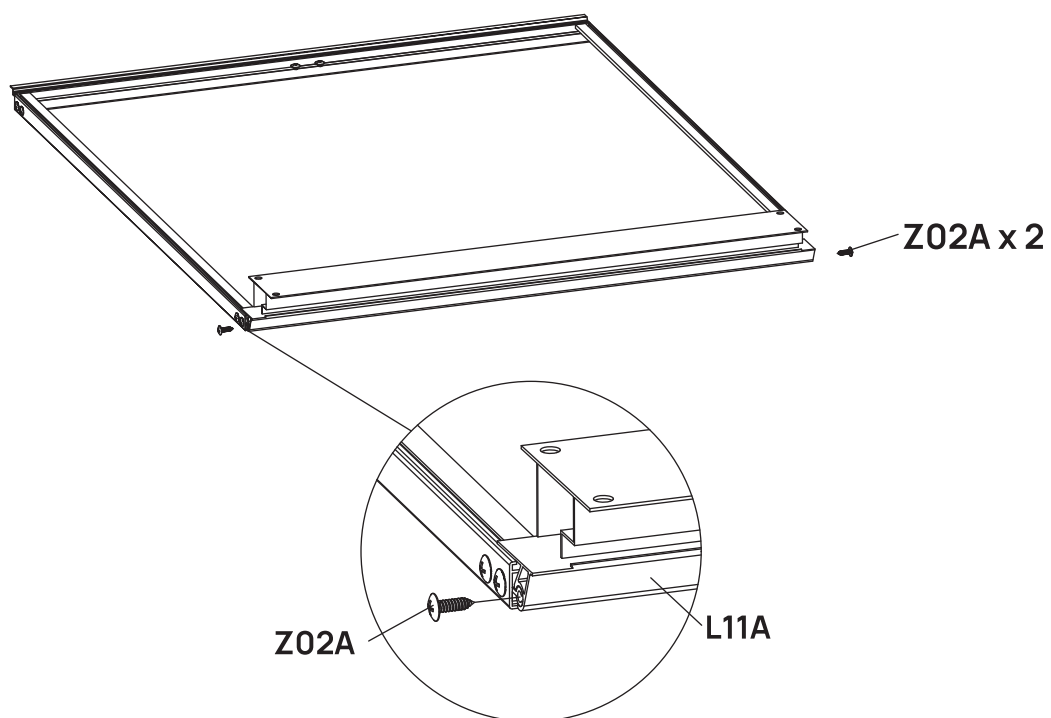| BOX	PART	NO	QTY
ALBOX-4		L11A	6
ALBOX-4		L19	12
ALBOX-4		L20	6
ALBOX-4		L21	6
PCBOX-1		Y10	6
ALBOX-4		Z02A Ø4X16D	60
PCBOX-2		H158	1

Z02A x 2

L21

L21

Y10

L19

L19

L20

Z02A x 8

Z02A x 2

L20

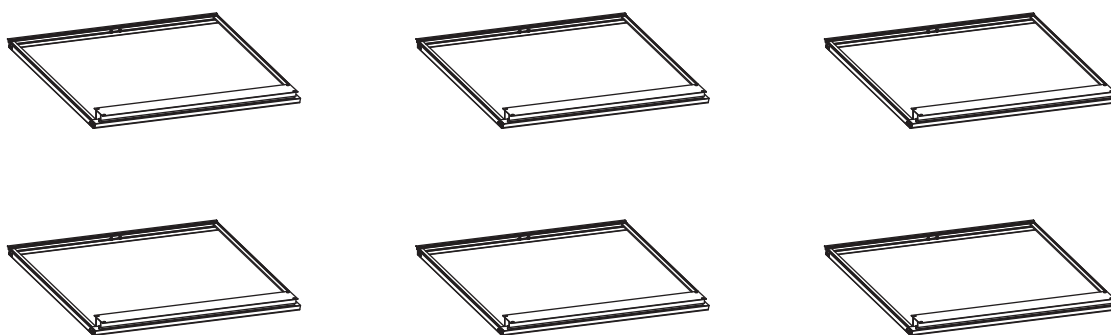Slide L11A hinge frame onto L20 as shown. Ensure it is oriented the correct way, then secure with Z02A screws as shown.

L11A

Z02A x 2

Z02A

L11A

Repeat these steps to assemble a total of 6 vents.

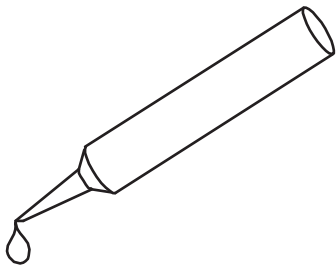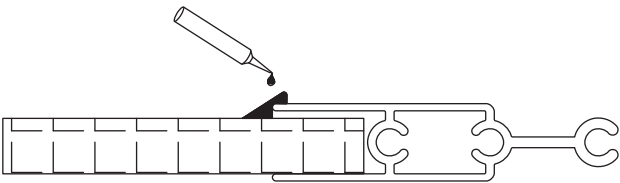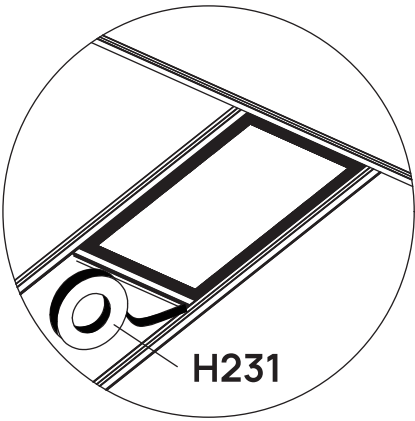**C1 X 6**

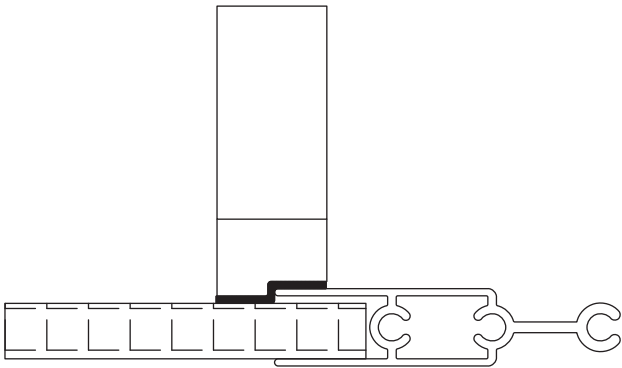Apply silicone caulk (not provided) or H231 butyl tape around all PC panels to seal.

BOX	PART	NO	QTY
PCBOX-2		H231	1

OR

H231

OR

Slide Y7 and Y9 panels into place as shown.

BOX	PART	NO	QTY
PCBOX-1	▯	Y9	2
PCBOX-1	▯	Y7	2
PCBOX-2	◎⌐	H158	1
PCBOX-2	◎⌐	H231	1
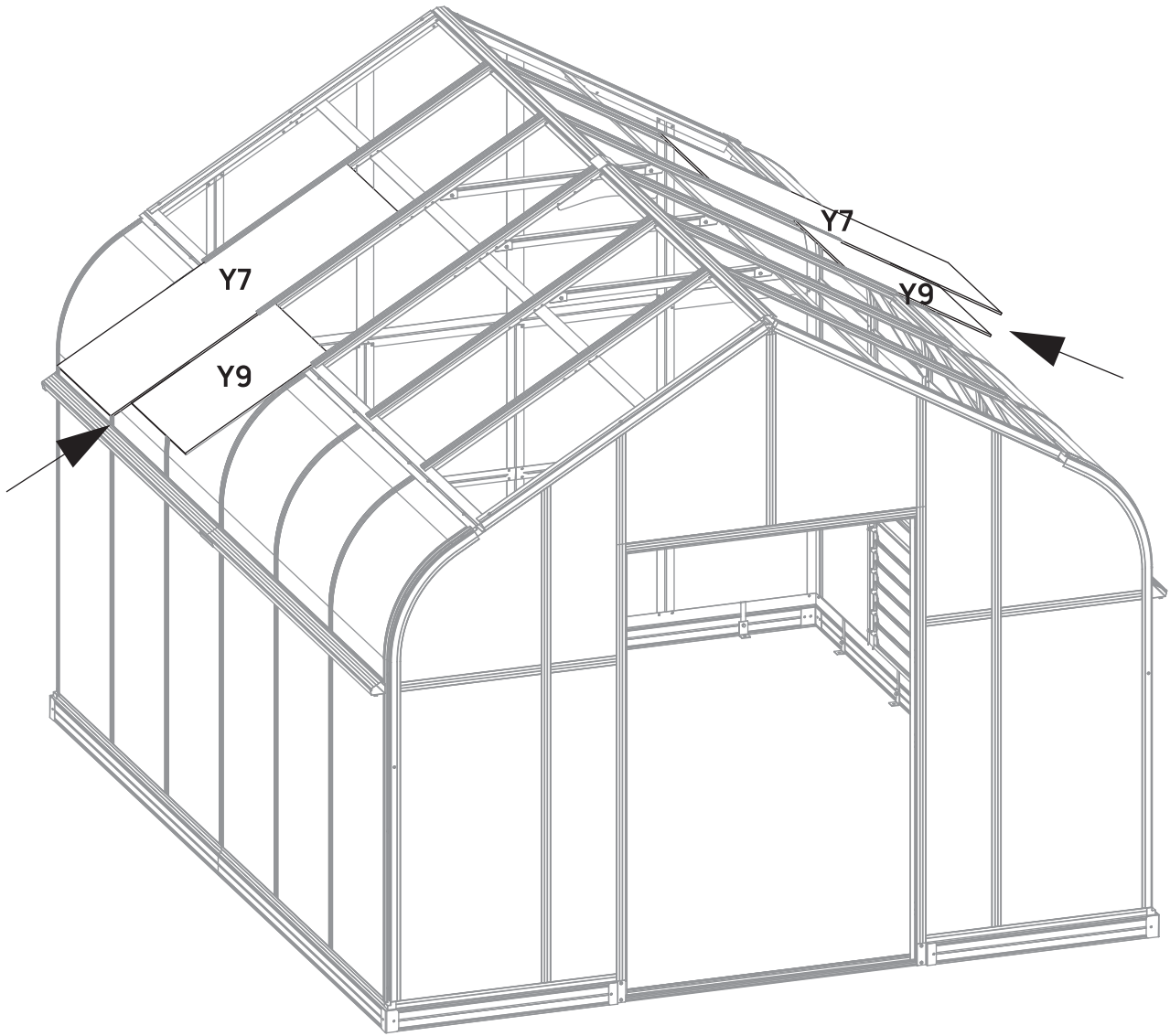
Attach vents to the roof as shown in diagram.

BOX	PART	NO	QTY
		C1	2
ALBOX-4		S03A M6X10	8
ALBOX-4		M24 M6	8
PCBOX-2		H231	1

C1

(1)

S03A/M24 x 2
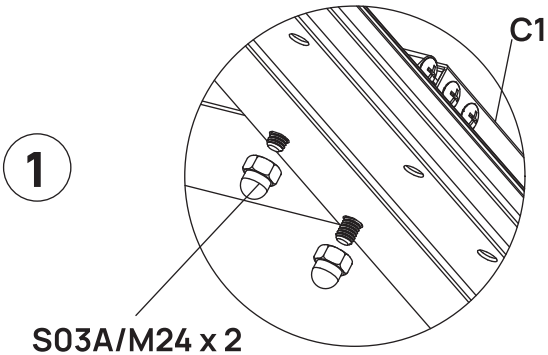
Note: Gently slide the vent along the rafters at a slight angle, aligning the groove on the vent frame with the ridge on the rafter frame. Once aligned, adjust the vent to the correct position and secure it in place.
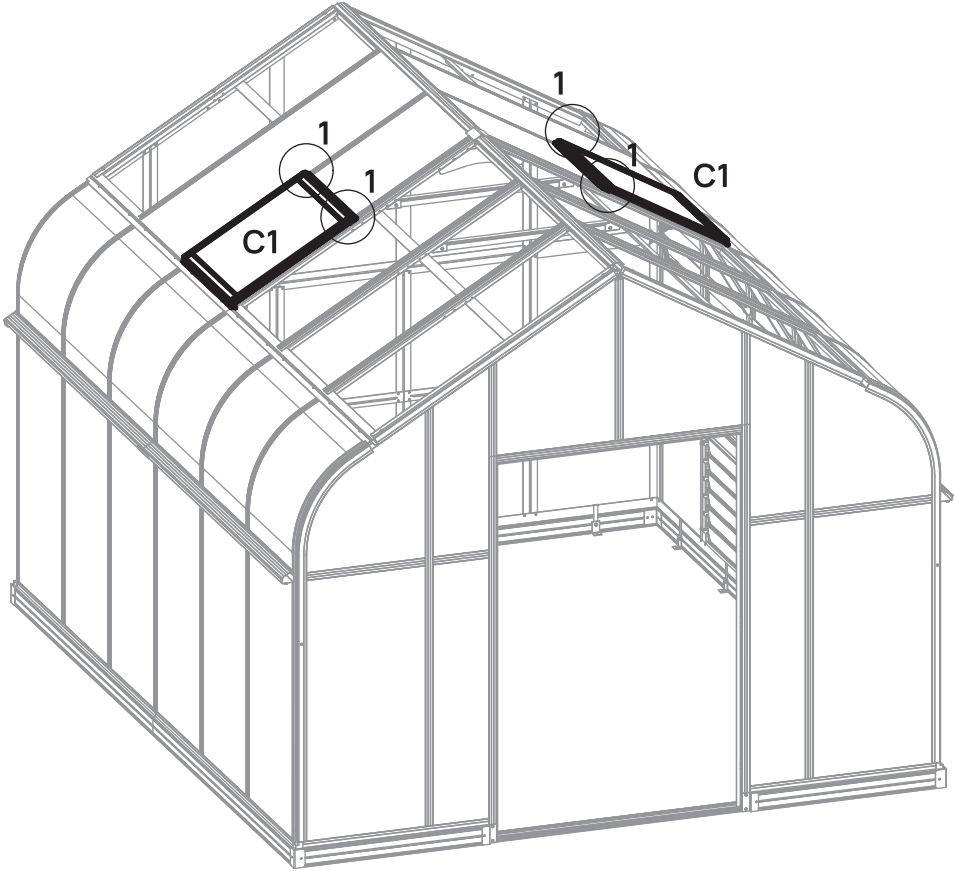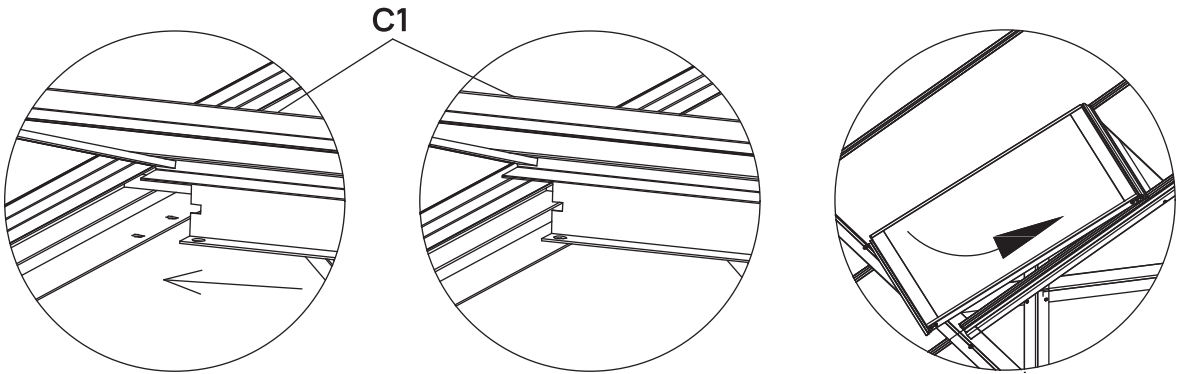
C1

1

1

C1

1

1

C1

Apply silicone caulk (not provided) or H231 butyl tape around all roof PC panels to seal.

OR
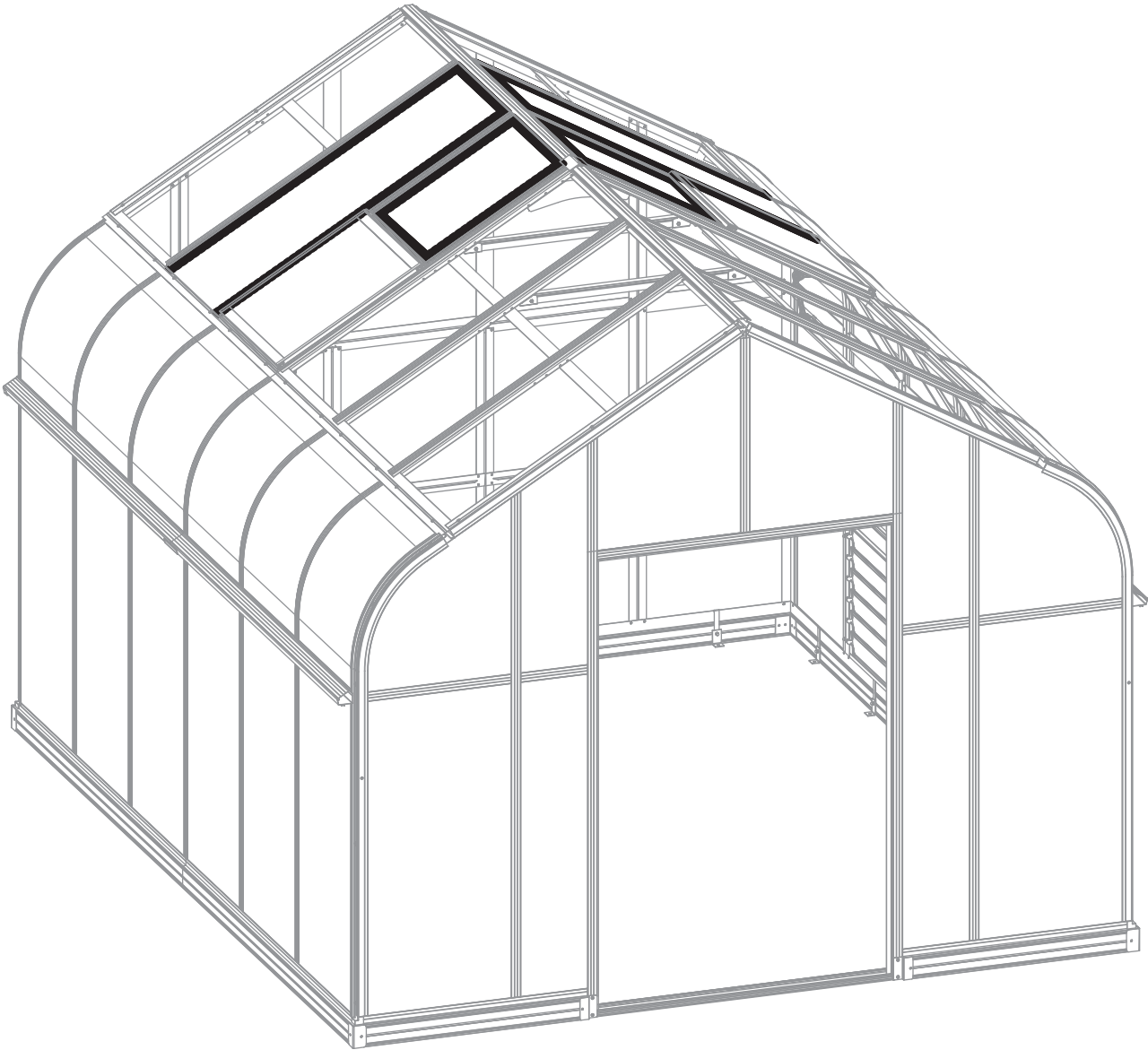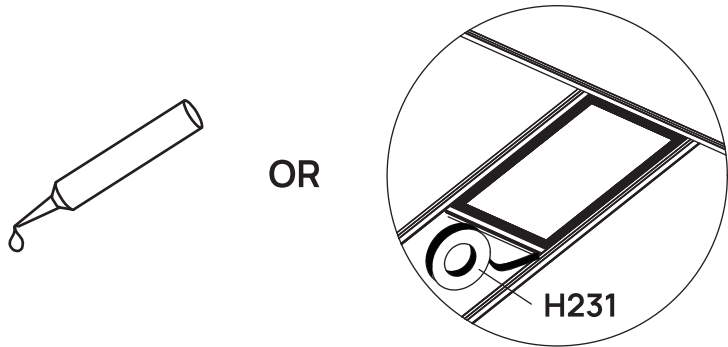
H231

Repeat the last three steps to install the rest of panels and vents a shown.

Apply silicone caulk (not provided) or H231 butyl tape around all roof PC panels to seal.

BOX	PART	NO	QTY
PCBOX-1		Y7	4
PCBOX-1		Y9	4
		C1	2
ALBOX-4		S03A M6X10	8
ALBOX-4		M24 M6	8
PCBOX-2		H158	1
PCBOX-2		H231	1

C1

S03A/M24 x 2

OR

H231

Y9

Y7

Y9

C1

Y7

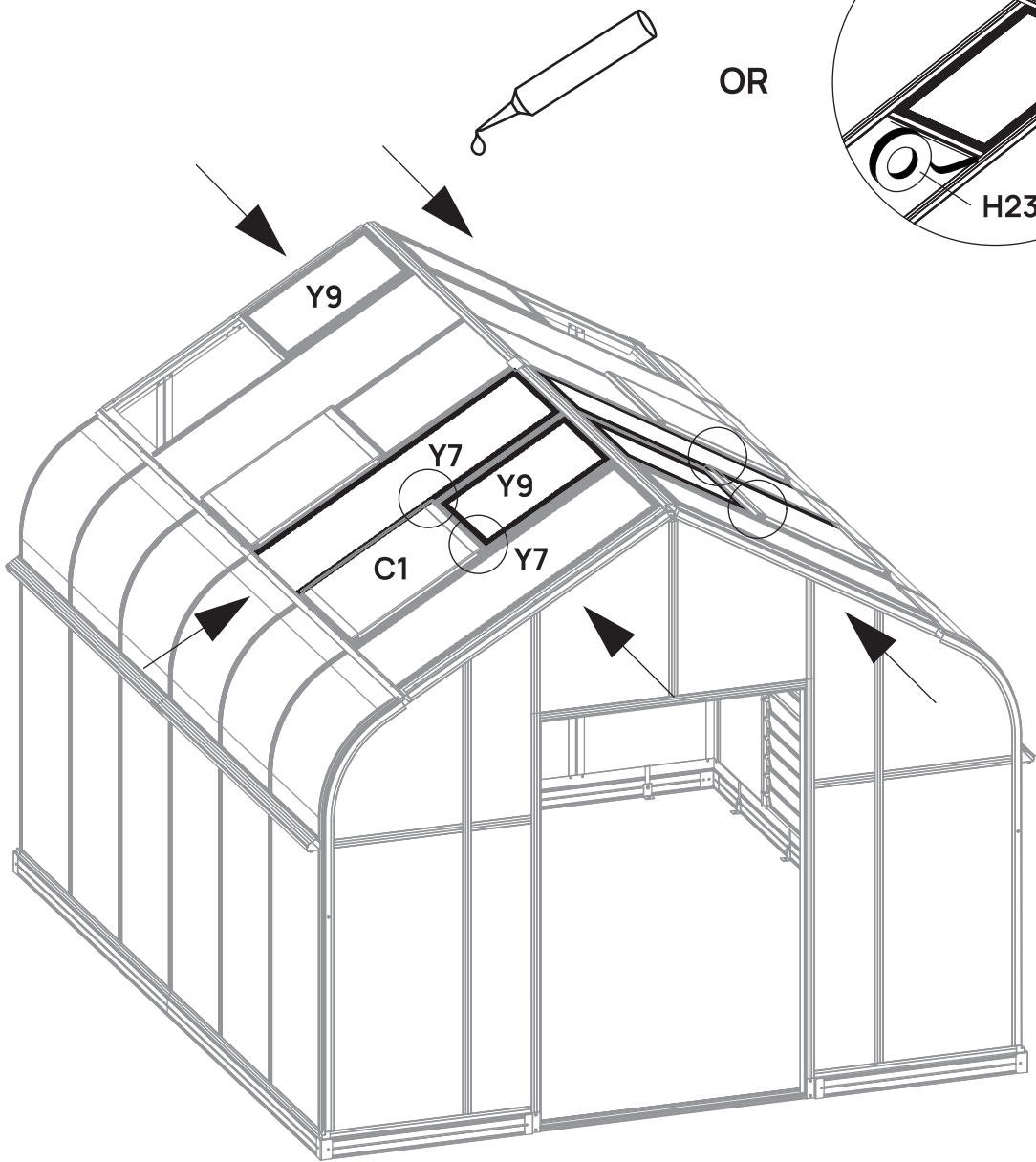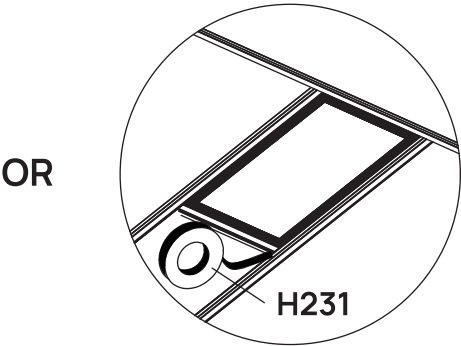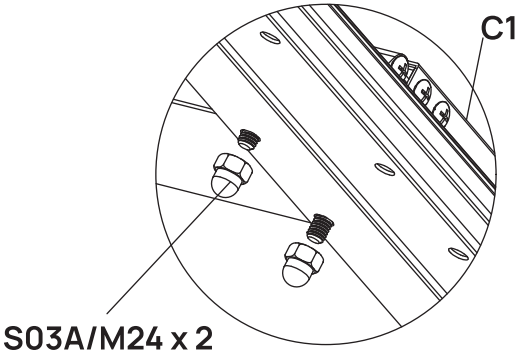Remove the pre-installed S26A from eave frames.
Attach L29A/B cover frames onto eave frames to secure the roof panels as shown, using the removed S26A bolts.

BOX	PART	NO	QTY
ALBOX-2	⌐_	L29B	4
Pre-installed	🔩	S26A M5X12	24
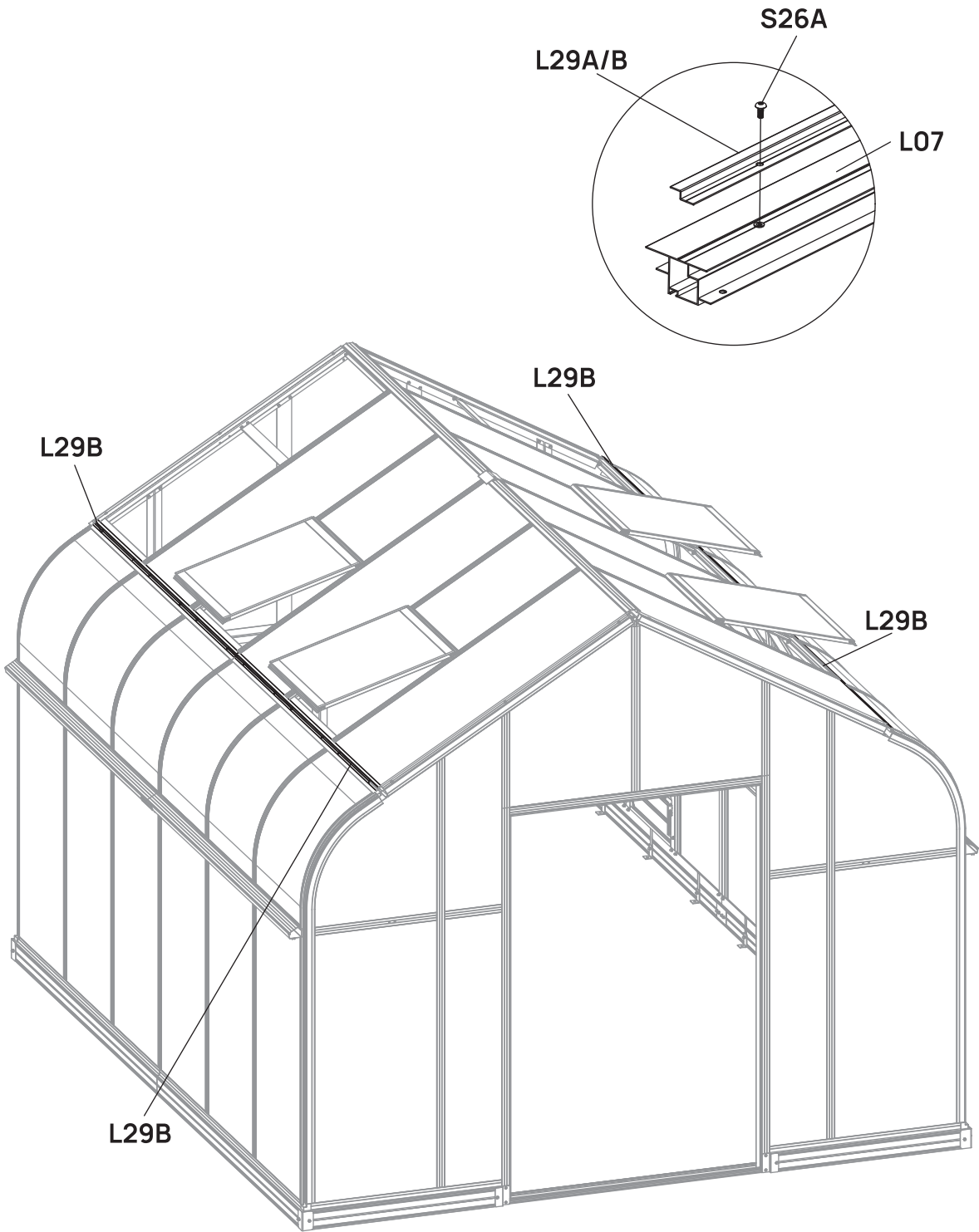
07

Remove the pre-installed S21A bolts from the front and back gable frames. Attach L12C cover frames onto L01 gable frames to secure the outermost PC panels as shown, using the removed S21A bolts.
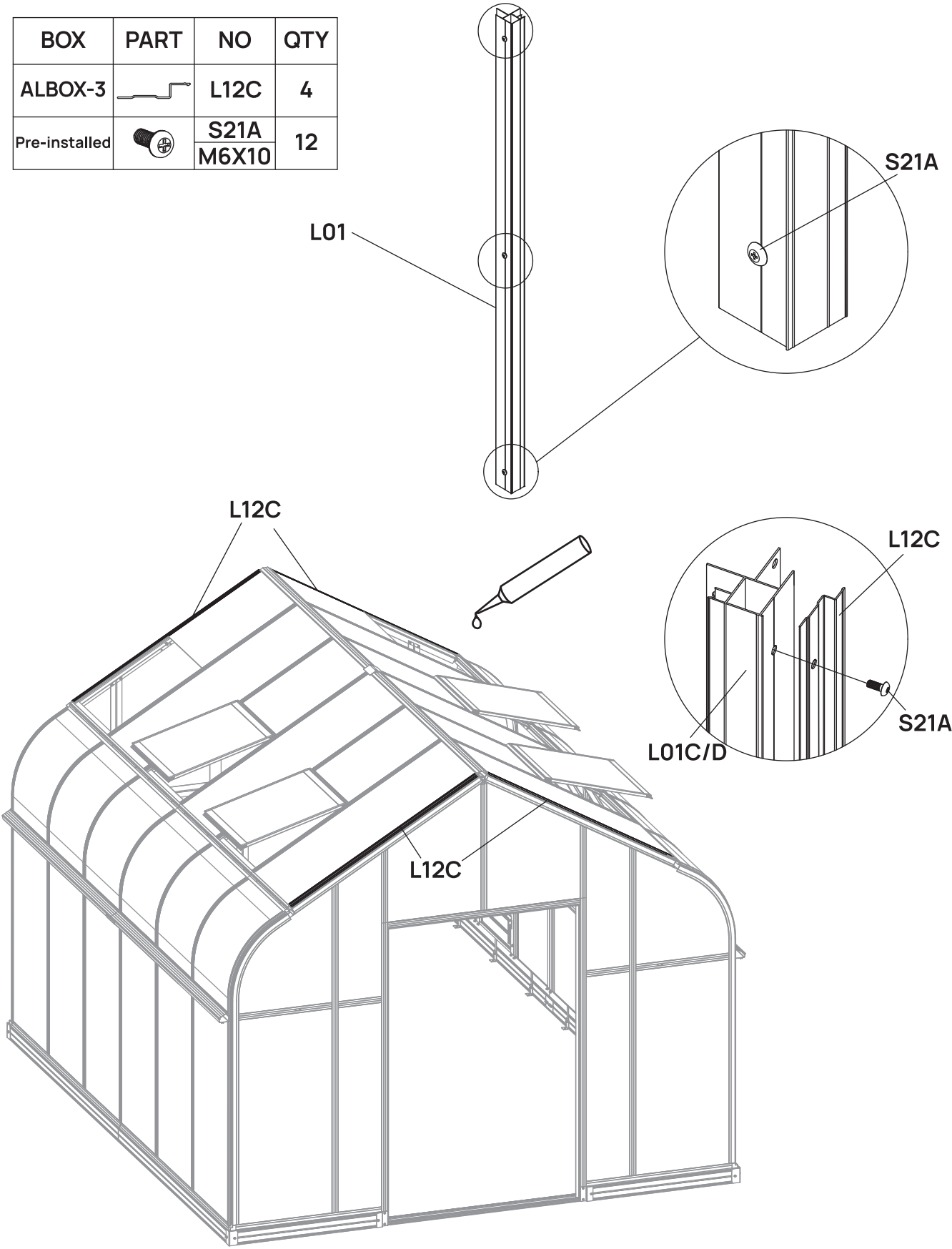
| BOX	PART	NO	QTY
ALBOX-3		L12C	4
Pre-installed		S21A M6X10	12

L01

S21A

L12C

L12C

L12C

L12C

L01C/D

S21A

Attach the last vents on the roof, then install the manual vent openers as shown.

BOX	PART	NO	QTY
		C1	2
ALBOX-1		A111	6
Pre-installed		S26A / M5X12	12
ALBOX-4		S03A / M6X10	8
ALBOX-4		M24 / M6	8
ALBOX-4		Z19A / M4.2X10	12

1

C1

S03A/M24 x 2

2

Z19A x 2

L21

L04E
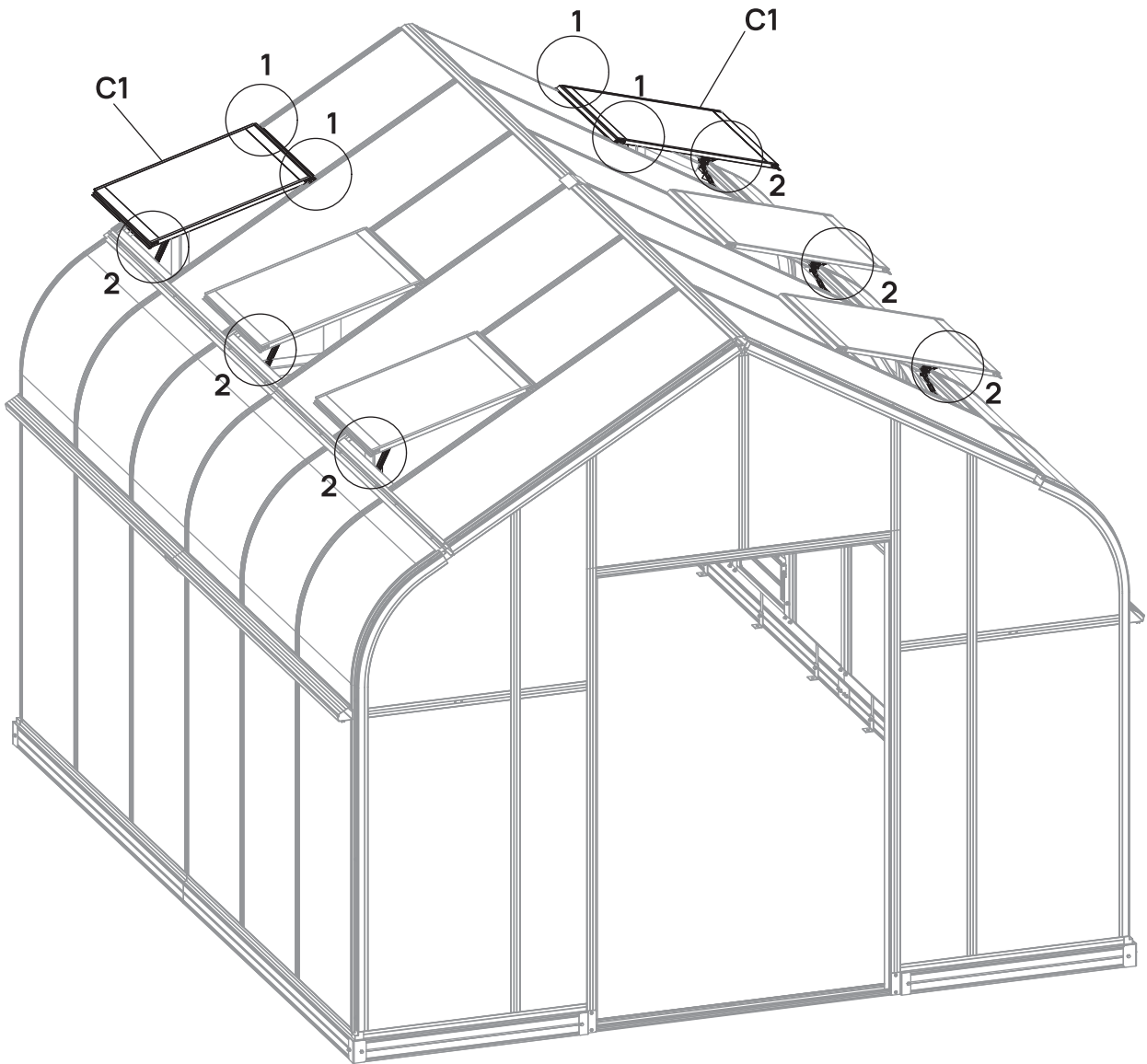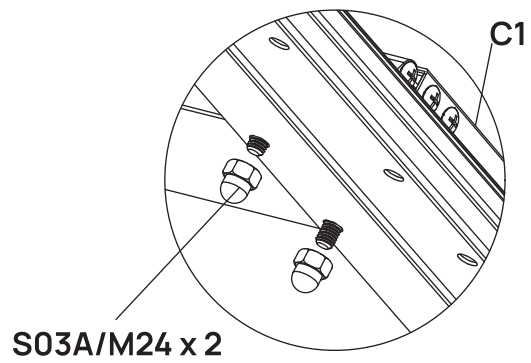
S26A x 2
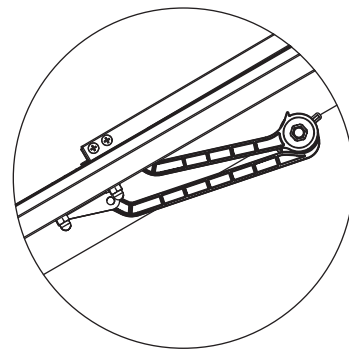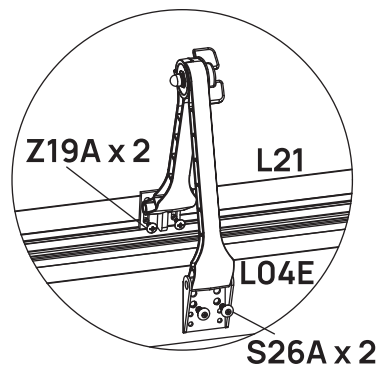
Auto Vent Opener Assembly

STEP 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-4		Z19A M4.2X10	4
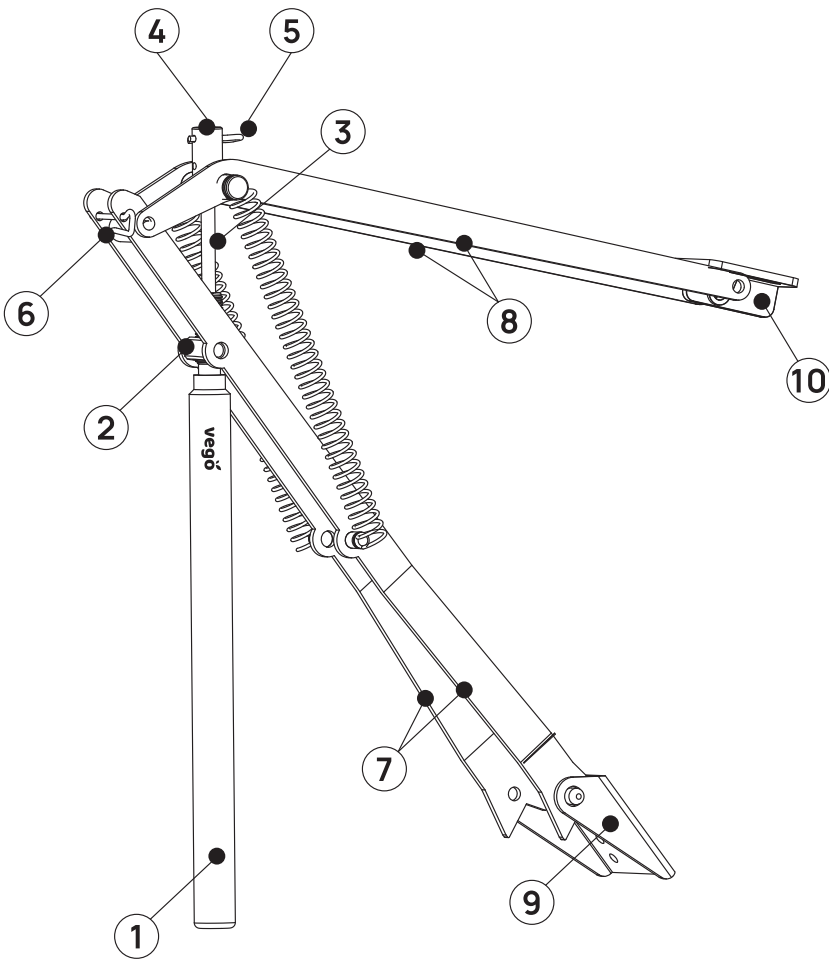
1. Cylinder
2. Cylinder Housing
3. Piston Rod
4. Clutch T
5. Hair Pin
6. Stop Pin
7. Arm B
8. Arm A
9. Frame Bracket
10. Vent Bracket

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.
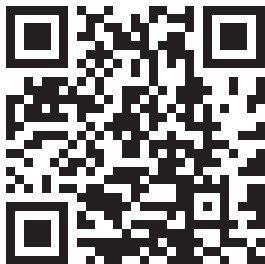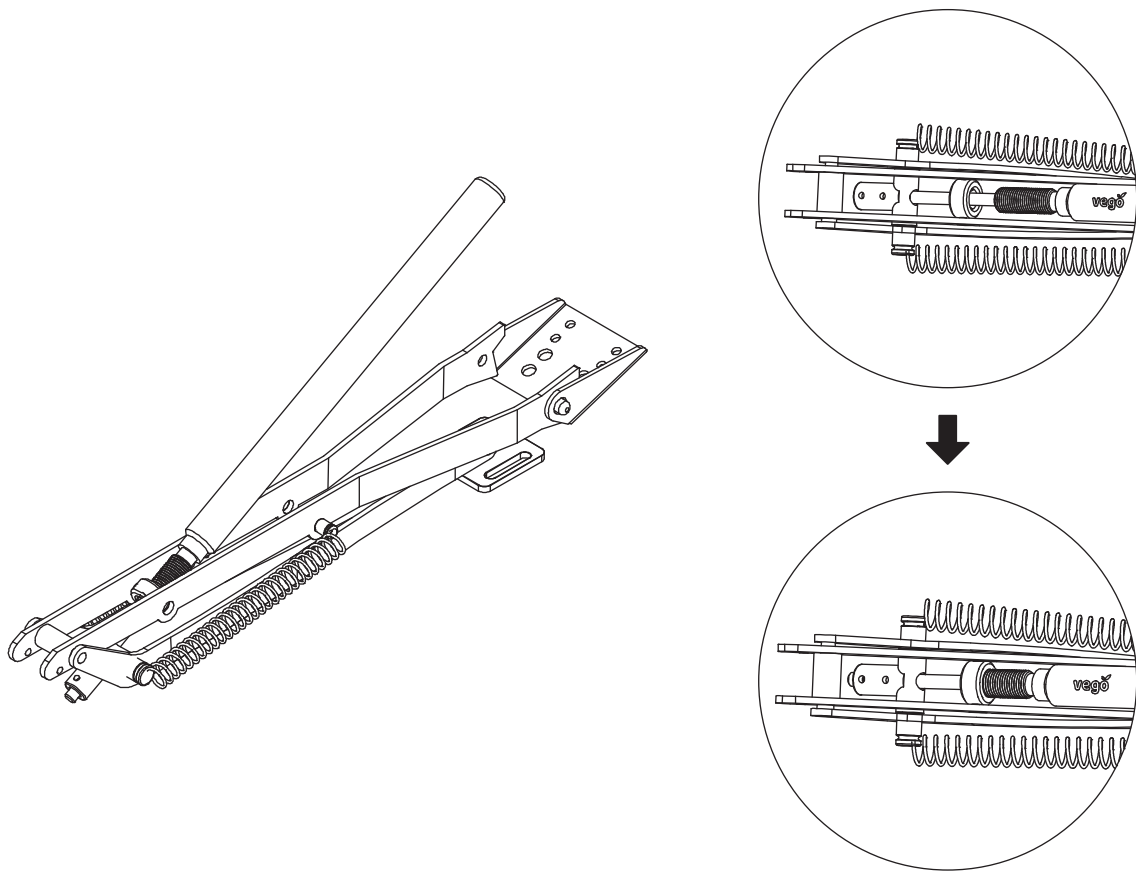
02

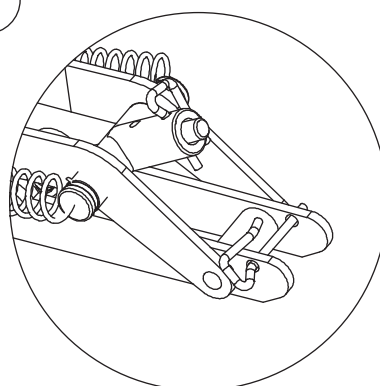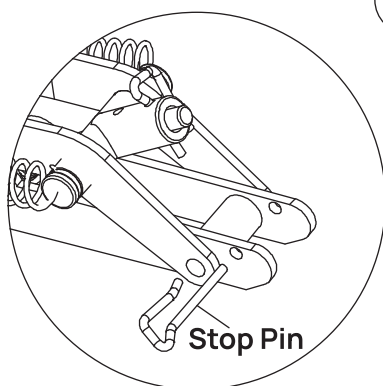If the maximum vent opening measures more than 16.5 inches, place the Hair Pin into hole A.

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.

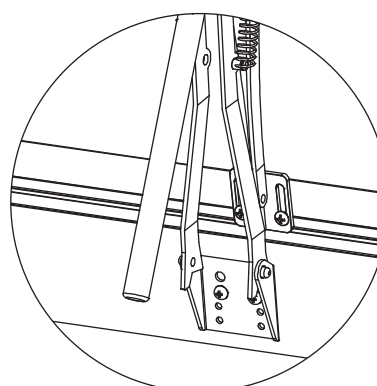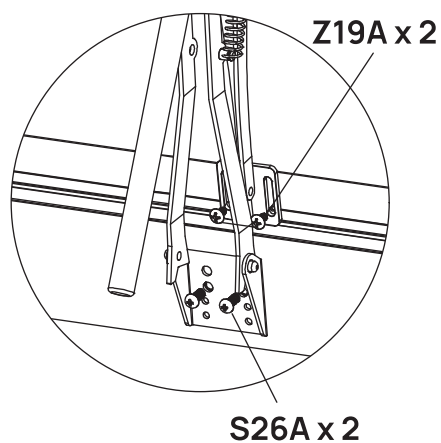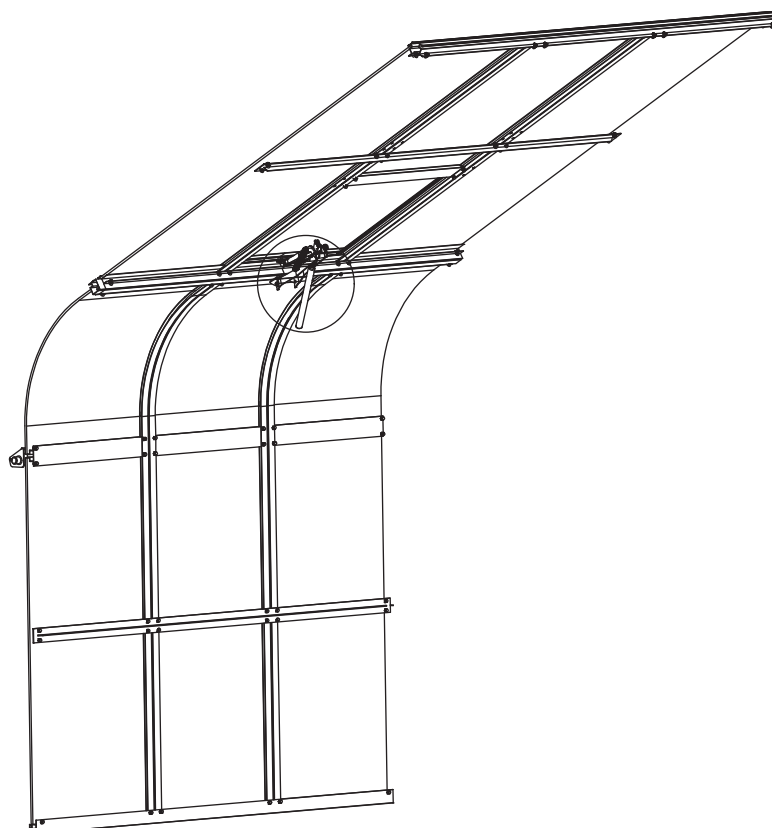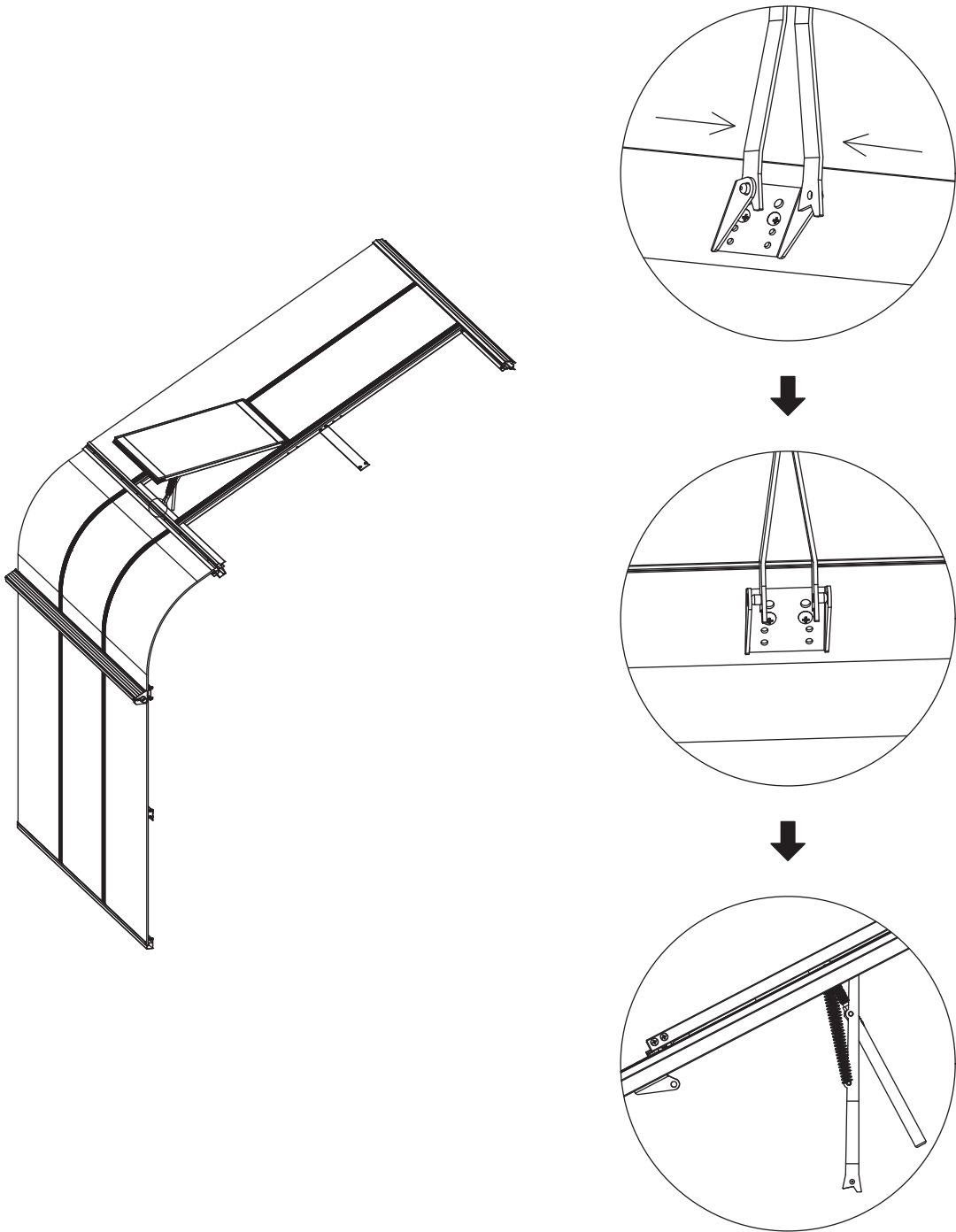**Note:** Do not install Stop Pin until Hair Pin has been installed.

1

2

1

A   B

Hair Pin

2

Stop Pin
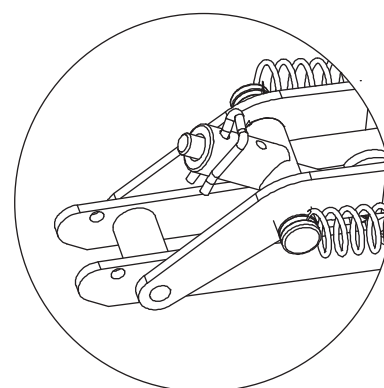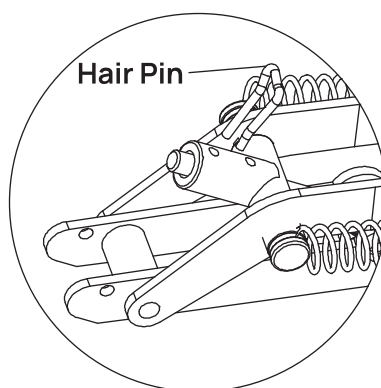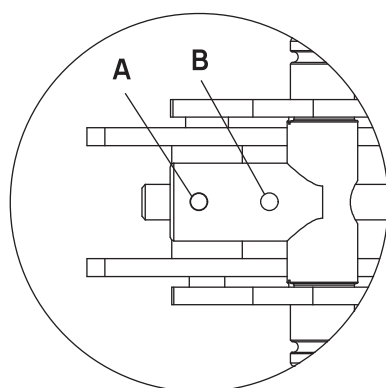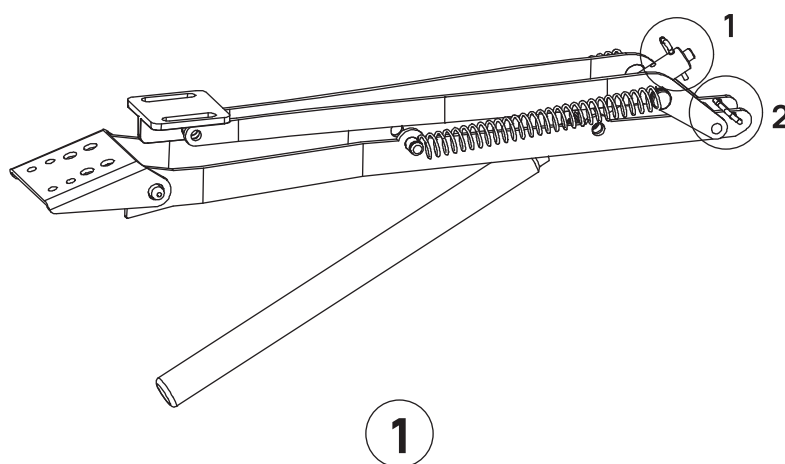
03

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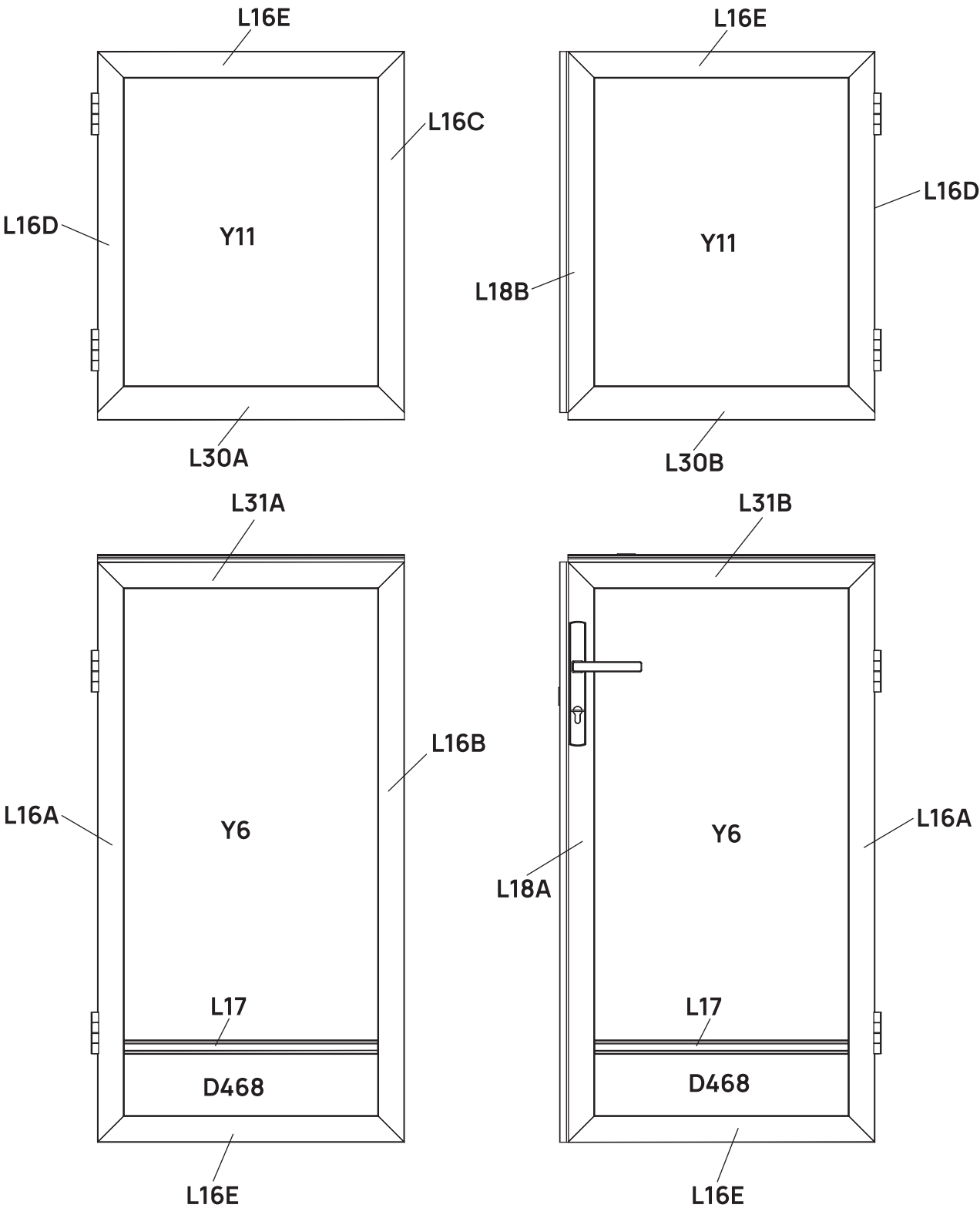

Z19A x 2

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.
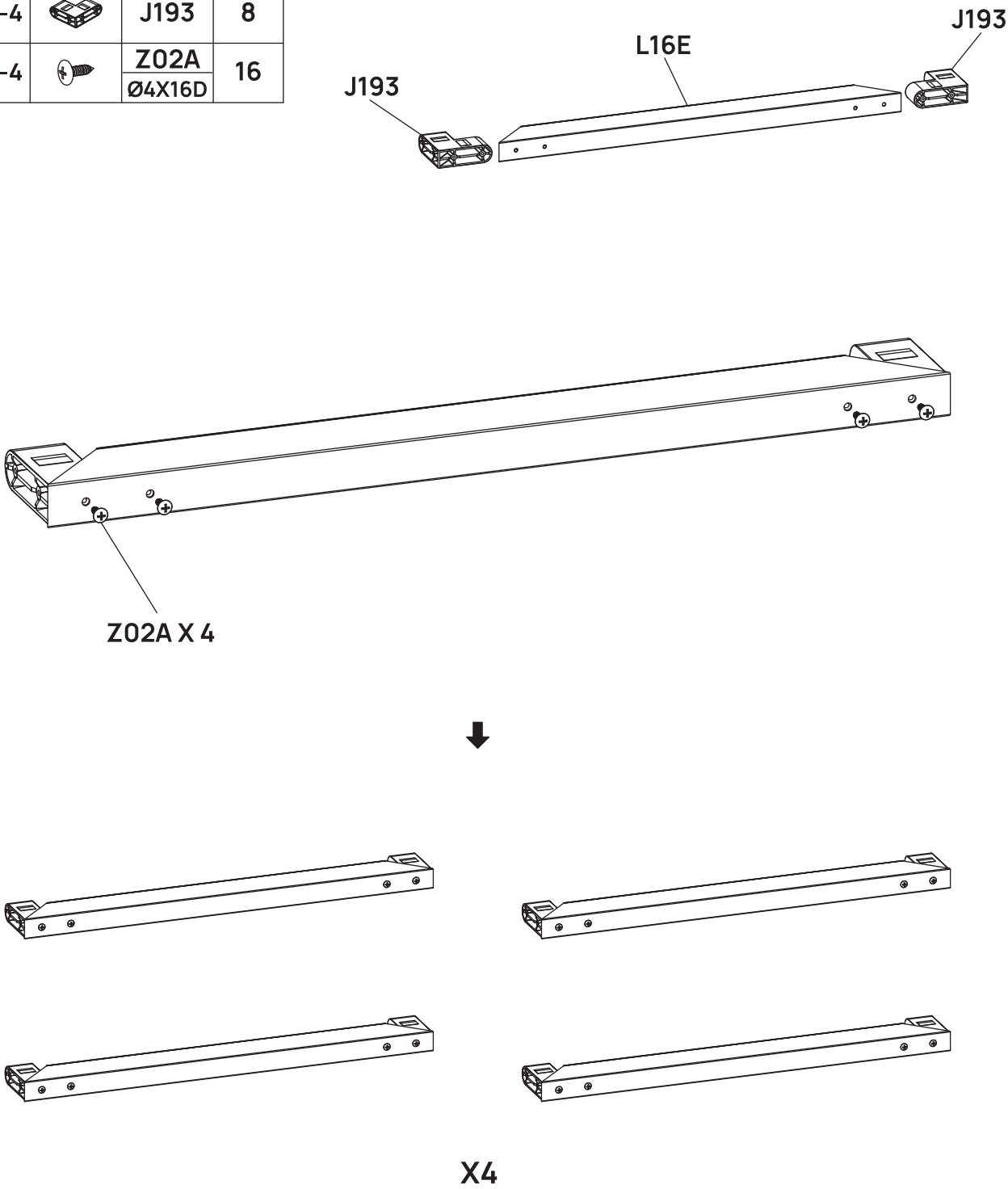
Door Assembly

Dutch Door Diagram

L16E

L16E

L16C

L16D

Y11

L16D

L18B

Y11

L30A

L30B

L31A

L31B

L16B

L16A

Y6

L16A

Y6

L18A

L17

L17

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-4		L16E	4
ALBOX-4		J193	8
ALBOX-4		Z02A Ø4X16D	16

J193

L16E

J193

Z02A X 4

X4

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

BOX	PART	NO	QTY
ALBOX-4		L30A	1
ALBOX-4		L30B	1
ALBOX-4		L31A	1
ALBOX-4		L31B	1
ALBOX-4		J193	8
ALBOX-4		Z02A Ø4X16D	16

J193　L16E

Z02A

L30B

J193

L30A

J193

J193

L31A

J193

J193

L31B
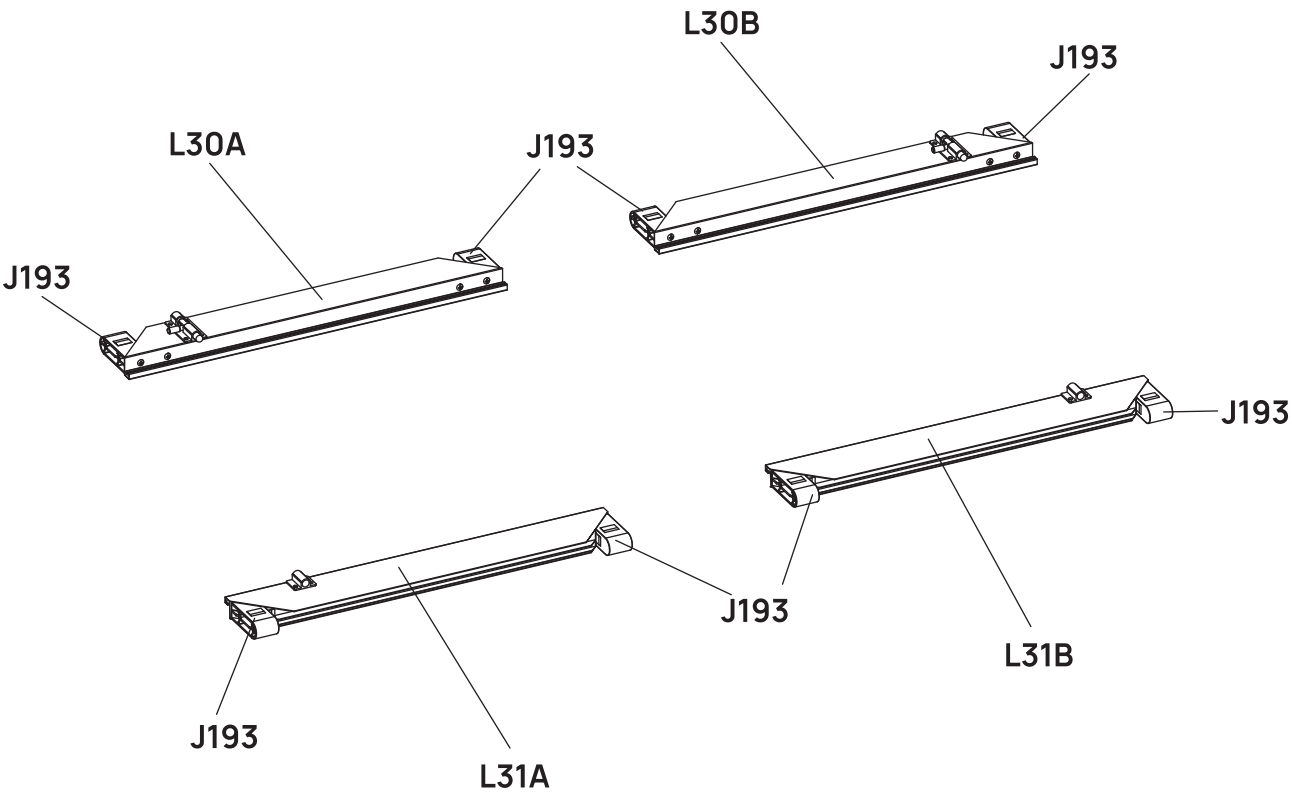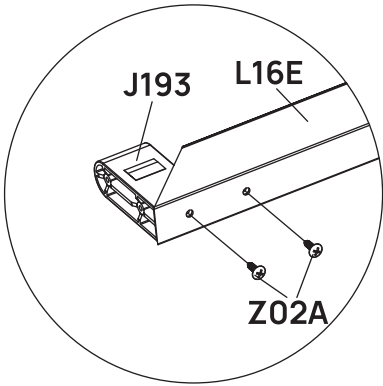
J193

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

BOX	PART	NO	QTY
ALBOX-3		L16A	1
ALBOX-3		L16B	1
ALBOX-4		L16C	1
ALBOX-4		L16D	1
ALBOX-4		L17	1
ALBOX-4		Z02A Ø4X16D	16
ALBOX-4		S03A M6X10	2
ALBOX-4		M24 M6	2
PCBOX-3		Y11	1
PCBOX-3		Y6	1
PCBOX-2		H158	1
ALBOX-4		A51	4
Pre-installed		S27A M5X12	12
ALBOX-4		D468	1

Upper-left door

L16C   Y11   L16D

L16E

L30A

S27A x 6

A51 x 2

L16

Z02A

97
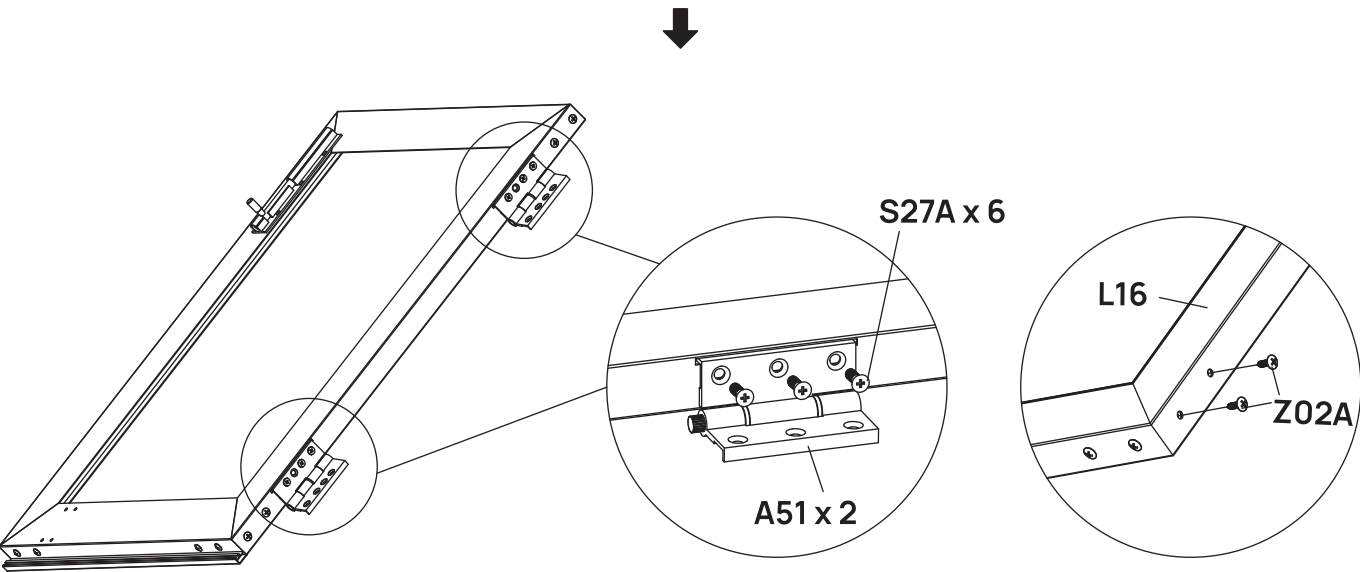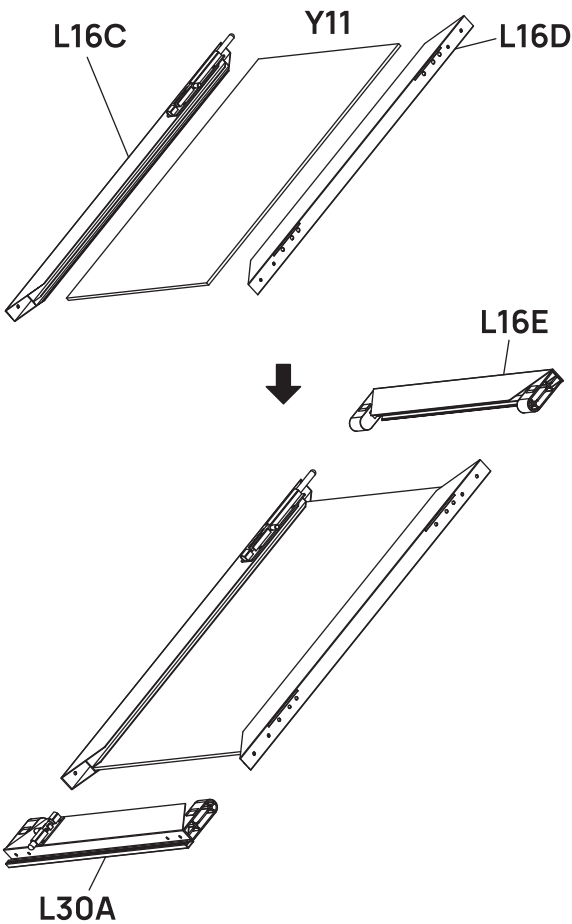
04

Assemble the lower-left door as shown, secure the L17 frame and D468 aluminum plate at the bottom.
Finally attach the hinges as shown.

Lower-left door

Y6

L31A

L16B

L16A

1

1

L17

D468

L16E

S27A x 6

A51 x 2

1

L17

M24

D468

L16
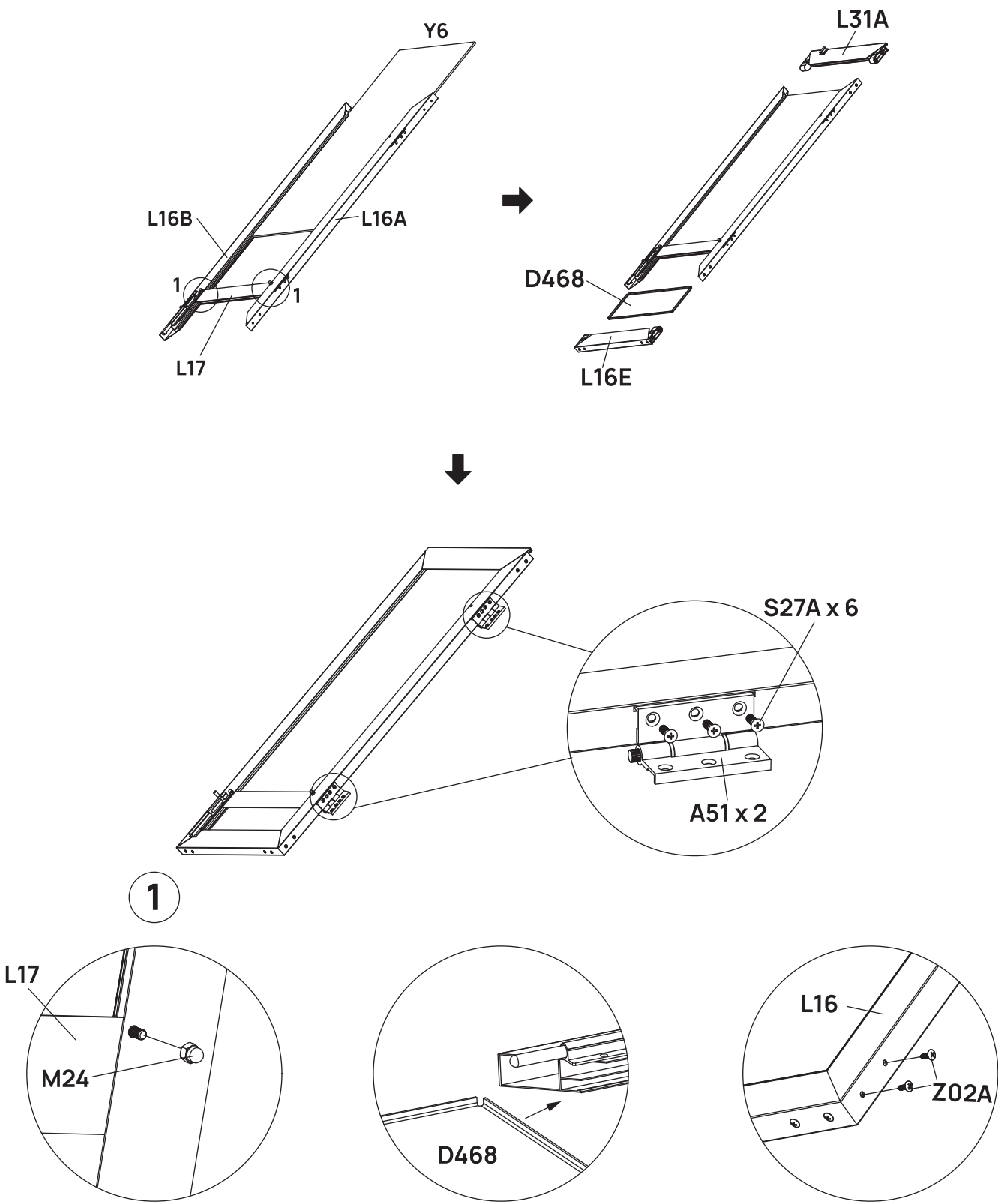
Z02A

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

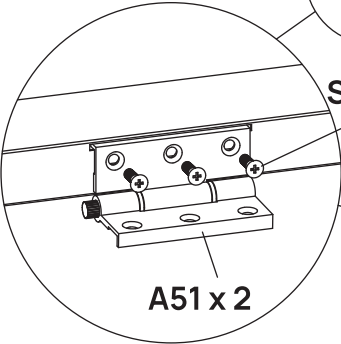| BOX	PART	NO	QTY
ALBOX-3		L16A	1
ALBOX-4		L16D	1
ALBOX-3		L18A	1
ALBOX-4		L18B	1
ALBOX-4		L17	1
ALBOX-4		Z02A Ø4X16D	16
ALBOX-4		S03A M6X10	2
ALBOX-4		M24 M6	2
PCBOX-3		Y11	1
PCBOX-3		Y6	1
PCBOX-2		H158	1
ALBOX-4		A51	4
Pre-installed		S27A M5X12	12
ALBOX-4		D468	1

Upper-right door

Y11

L18B

L16D

L16E

L30B

L16/L18

Z02A

A51 x 2

S27A x 6

06

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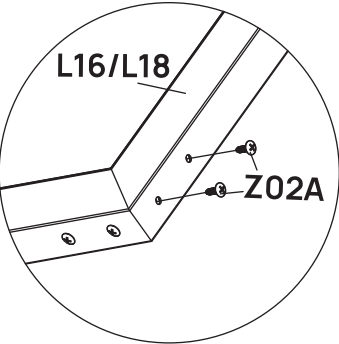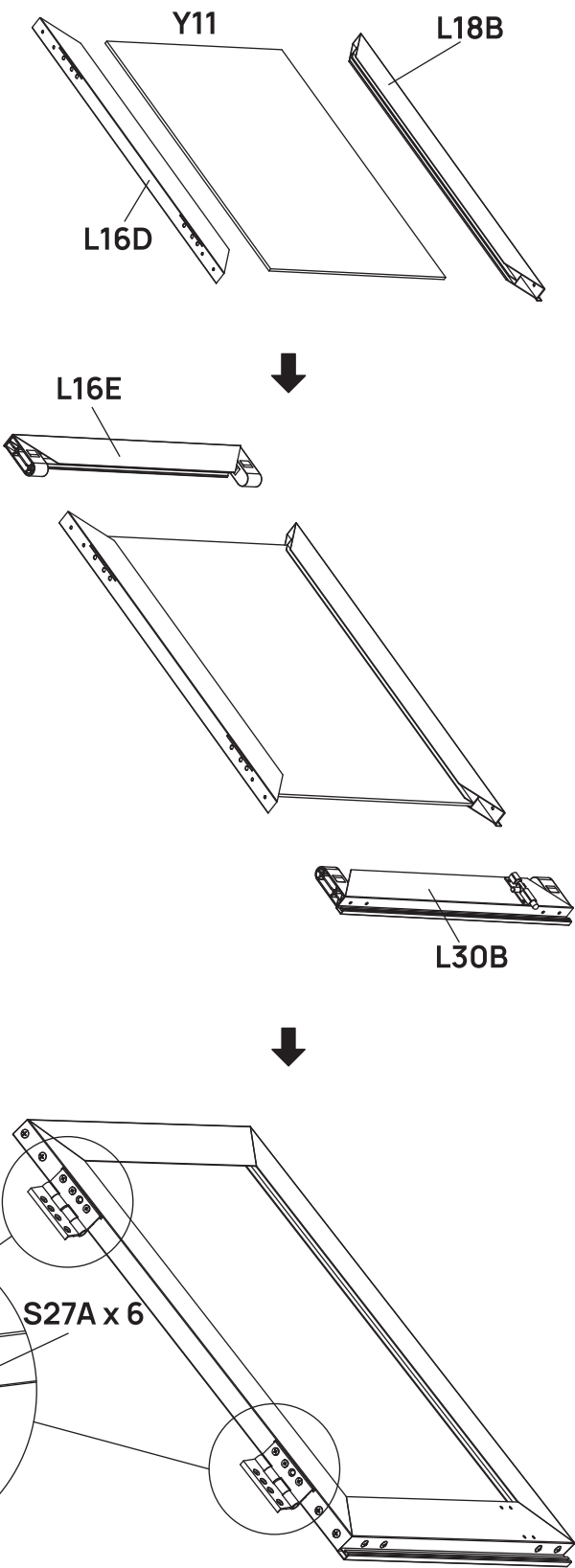
Finally attach the hinges as shown.

Lower-right door (with lock holes)
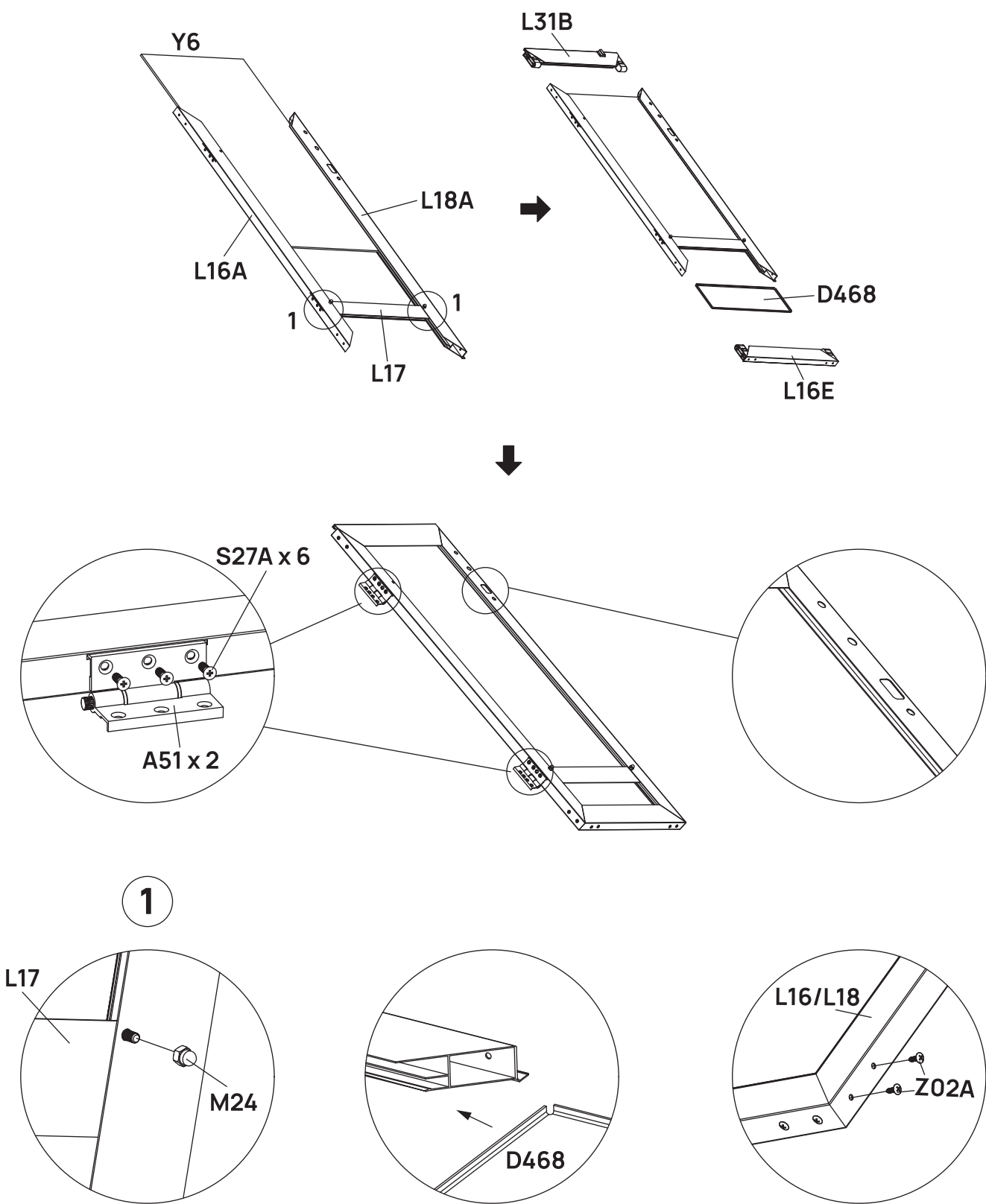
07

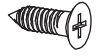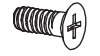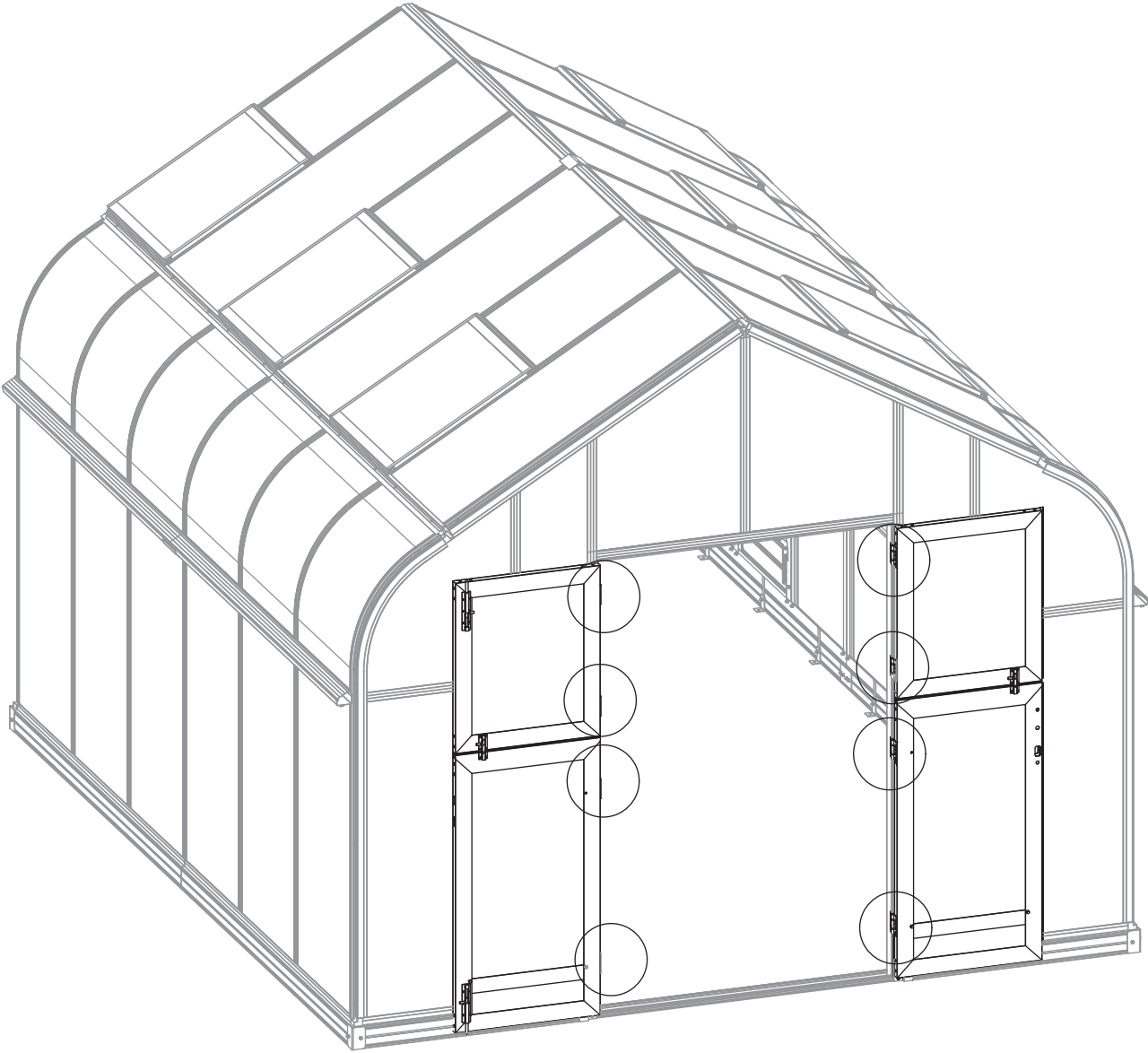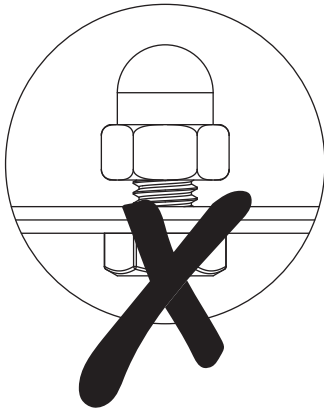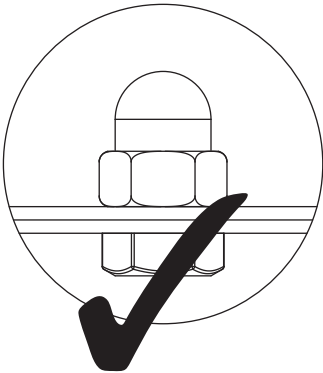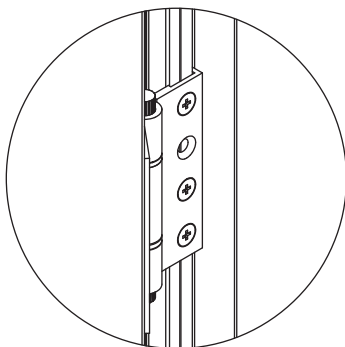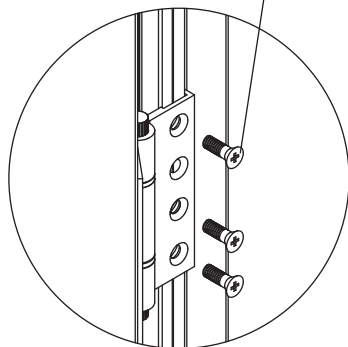Remove S27A bolts from the L03 door frames. Hold the door in place, affix the hinges to the door frames, and secure them with S27A bolts. Finally, reinforce the structure with Z17A screws.

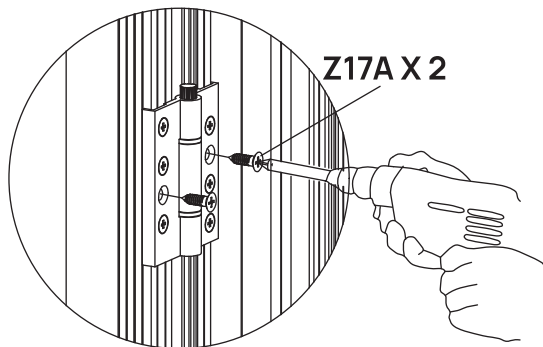| BOX	PART	NO	QTY
		DOOR-L	1
		DOOR-R	1
ALBOX-4		Z17A M4.8X16	16
Pre-installed		S27A M4.8X16	24

1

S27A X 6

Z17A X 2

2

S27A X 6
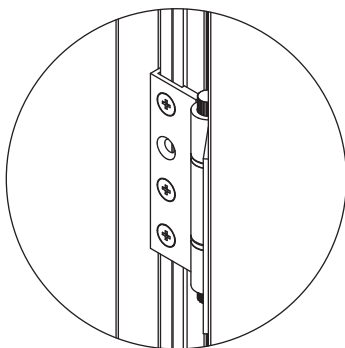
Z17A X 2
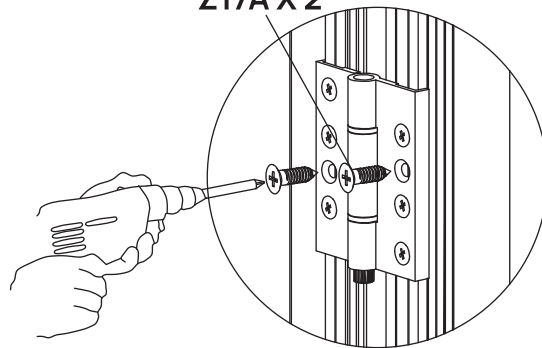
Lock installation.

BOX	PART	NO	QTY
ALBOX-3		H199	1
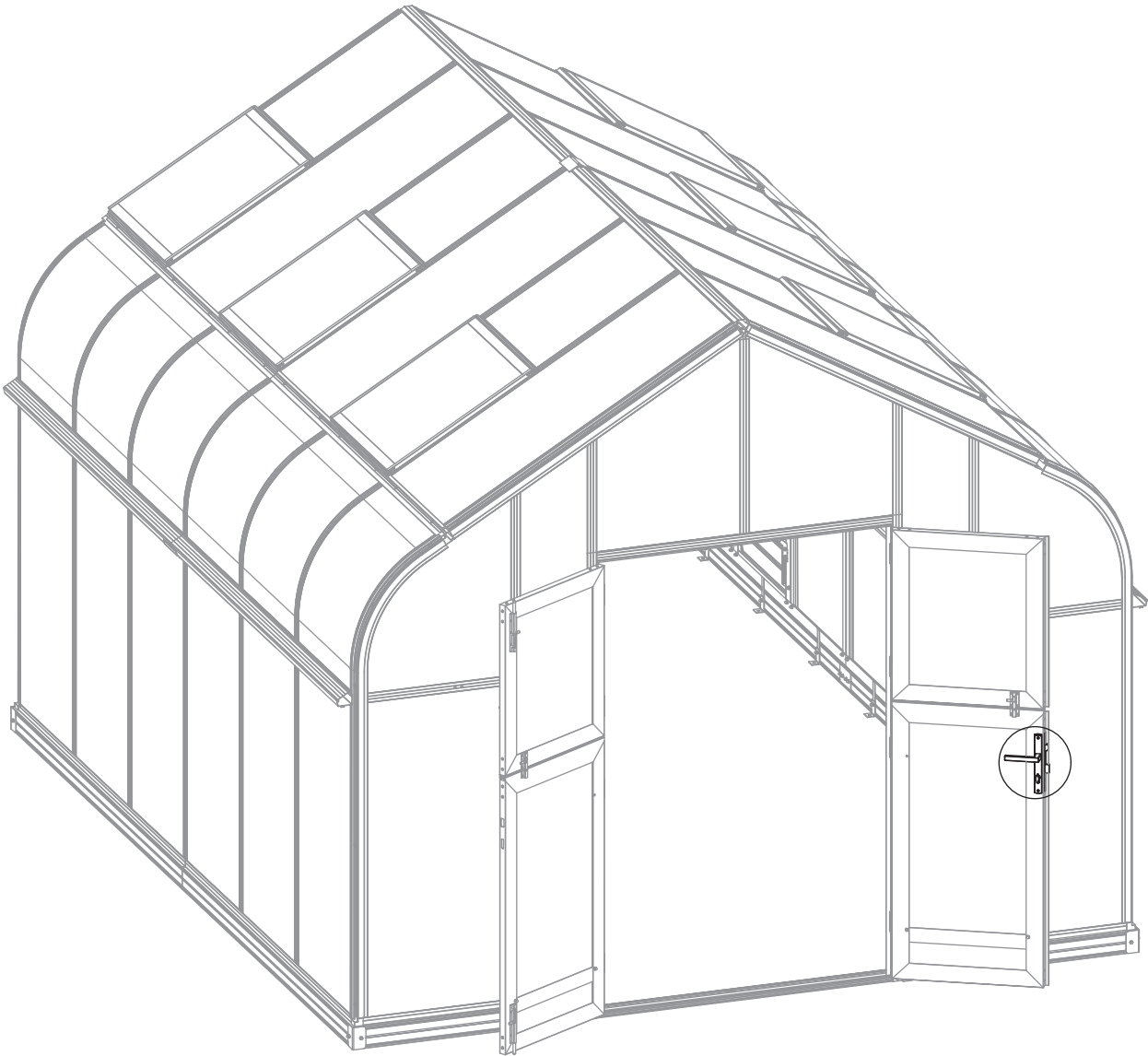
Disassemble the door lock and install it onto the right door. Make sure the keyhole faces outward and the handle rests horizontally as shown.

h

L18A

c

h

f

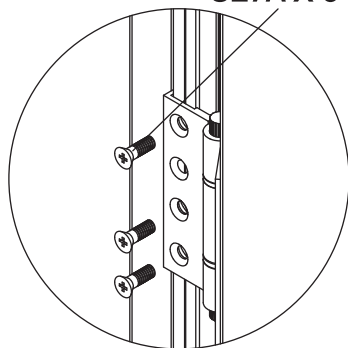L18A

a

d

e

f

b

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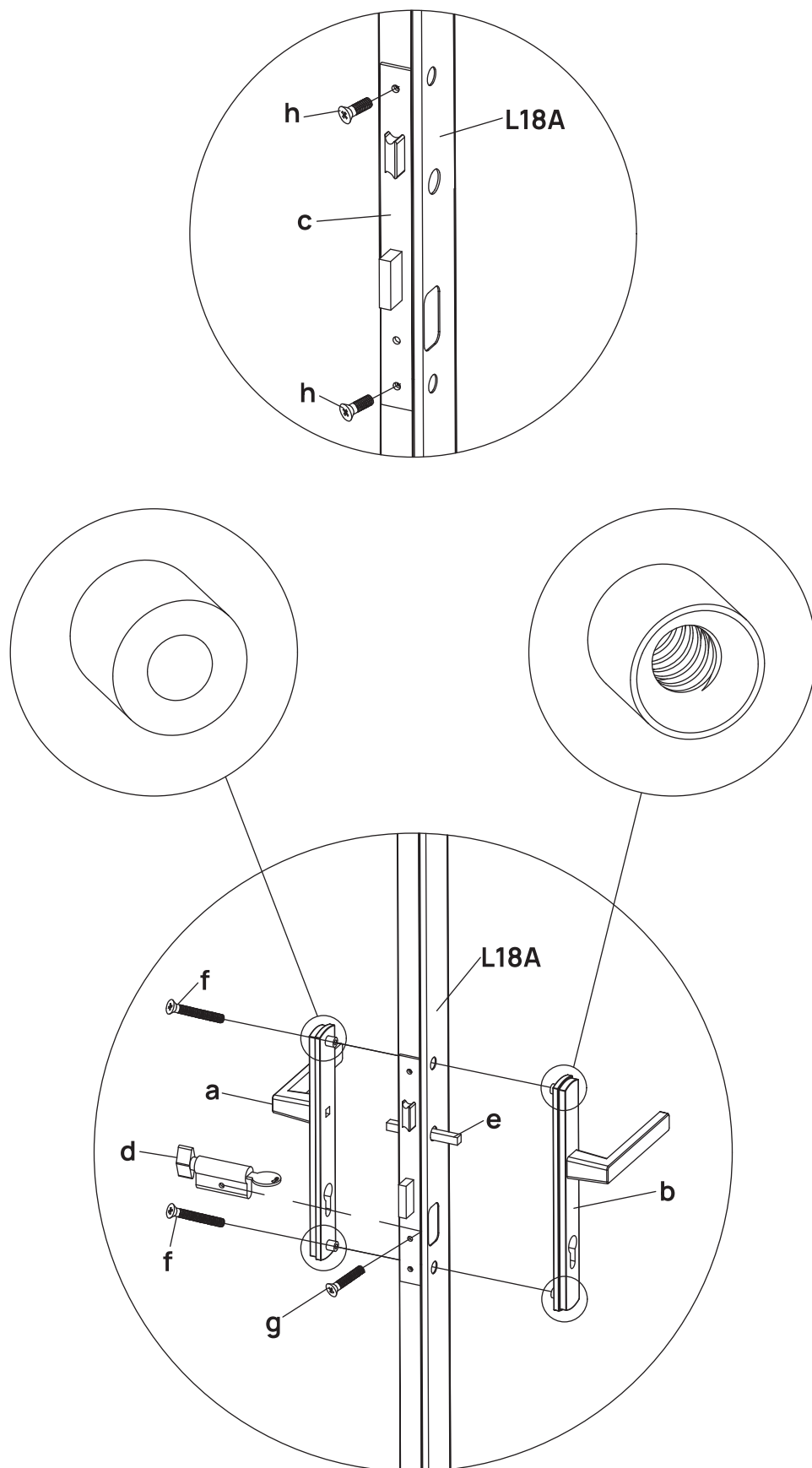
Insert J280 caps to both ends of the door frames as shown.

BOX	PART	NO	QTY
ALBOX-4		J280	8

J280

The upper doors can be opened separately by unlock the barrel bolt latches.
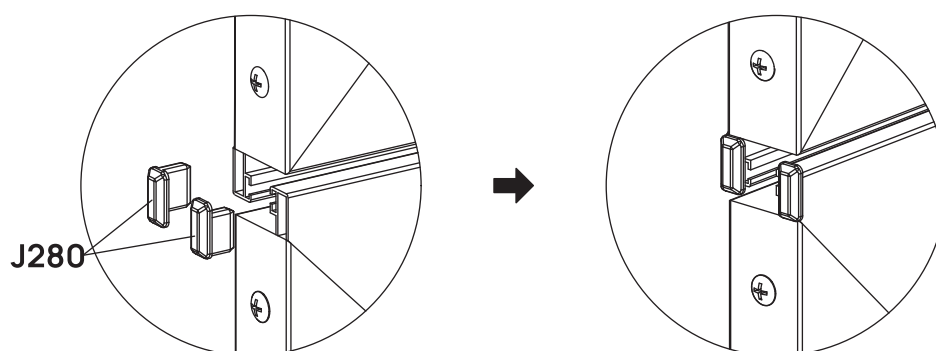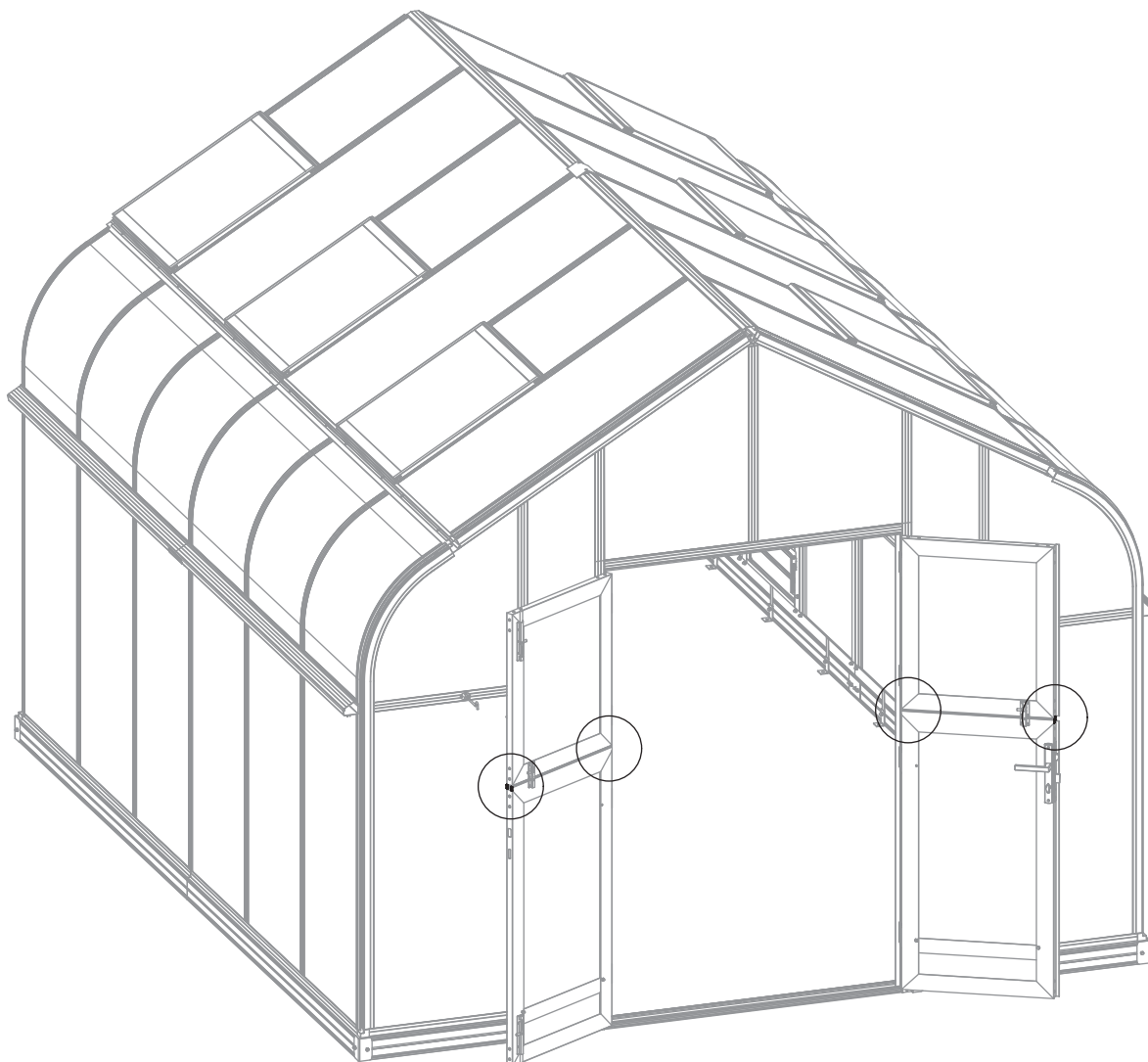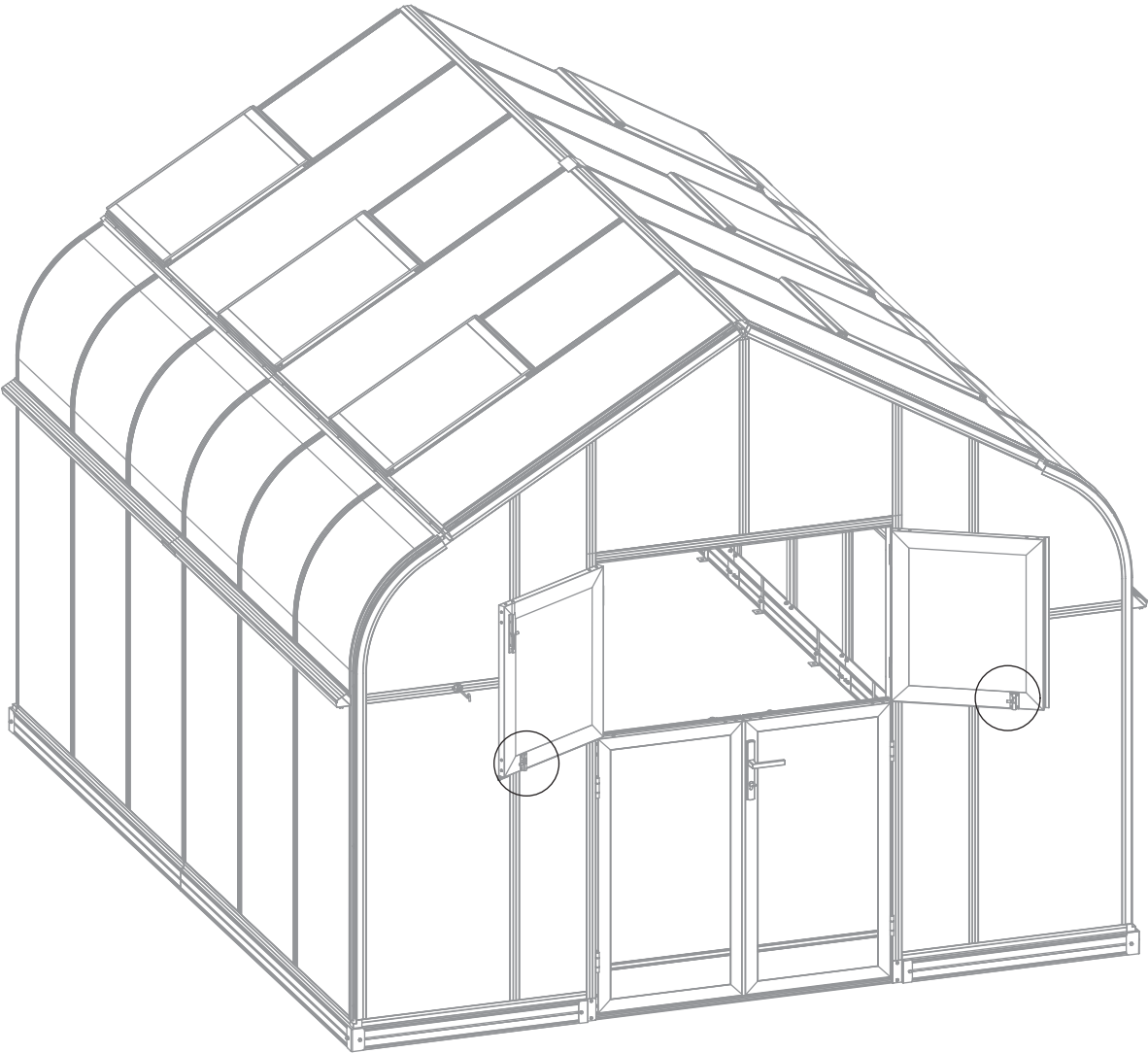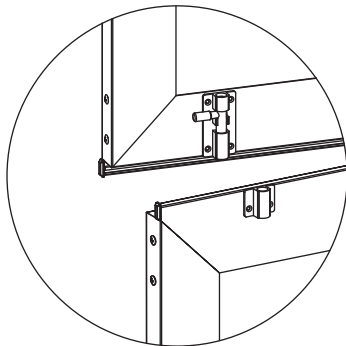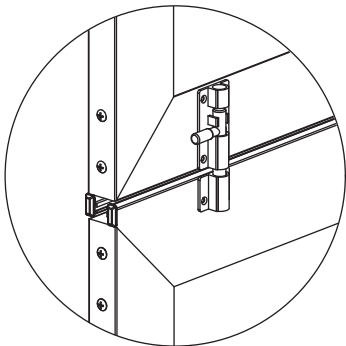
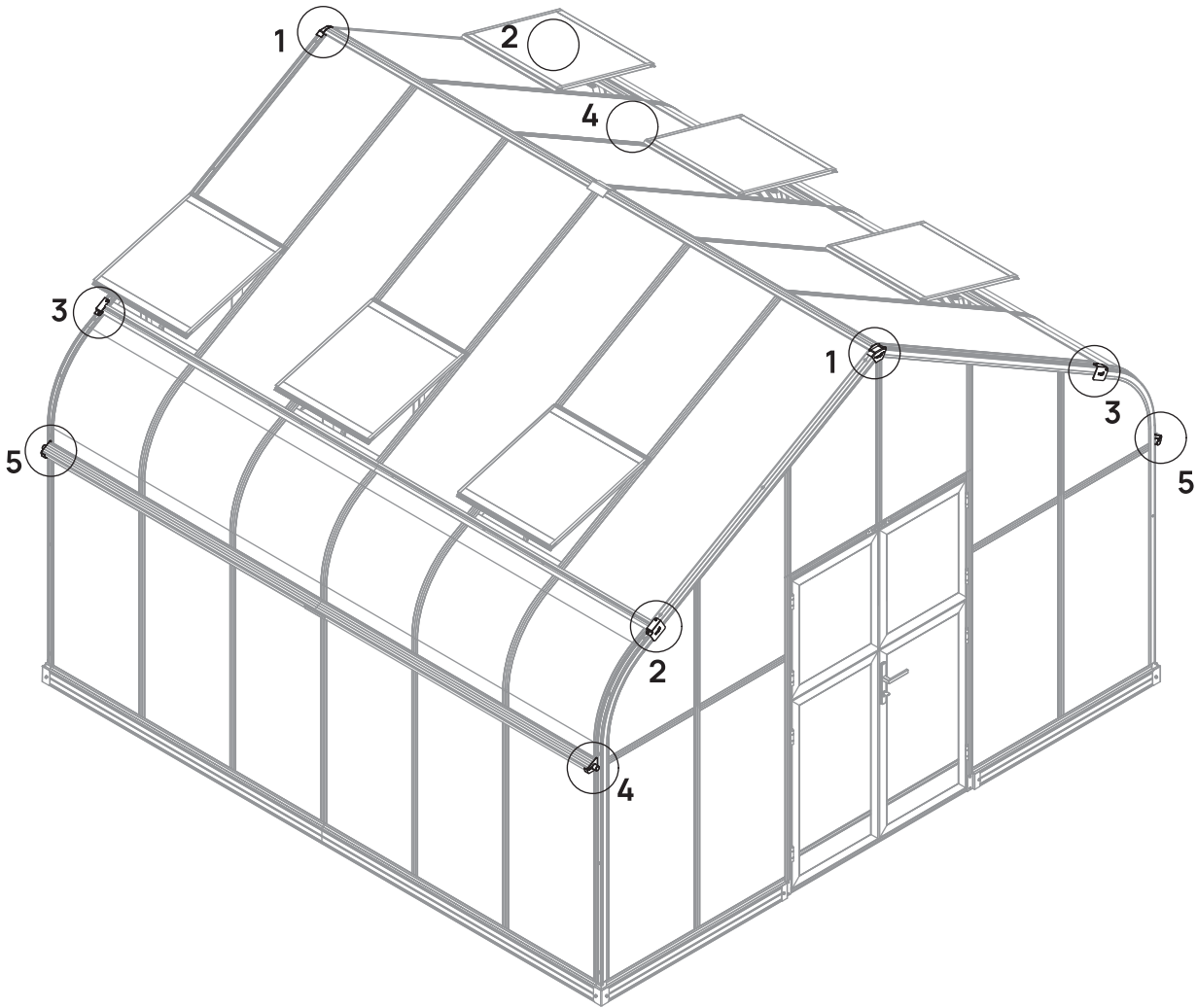# 🌱 End Caps Assembly

Attach ridge end caps, eave end caps and gutter end caps as shown.

BOX	PART	NO	QTY
ALBOX-4		J198	2
ALBOX-4		J266L	2
ALBOX-4		J266R	2
ALBOX-4		J267L	2
ALBOX-4		J267R	2
ALBOX-4		Z08A M4.2X16	12
ALBOX-4		S03A M6X10	4
ALBOX-4		M24 M6	4

J198

Z08A

1

2

ZO8A

J267L

3

ZO8A

J267R

4

J266L

5

J266R
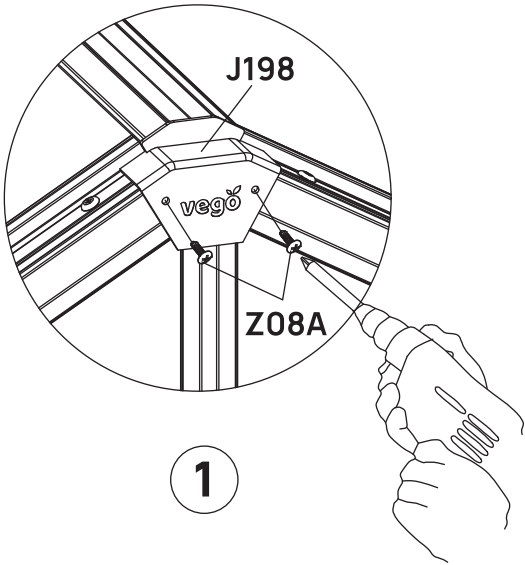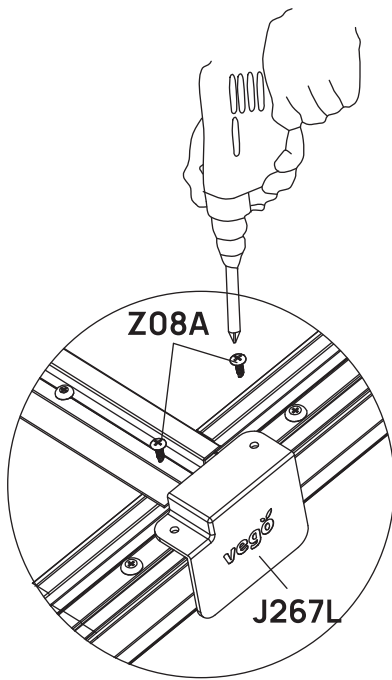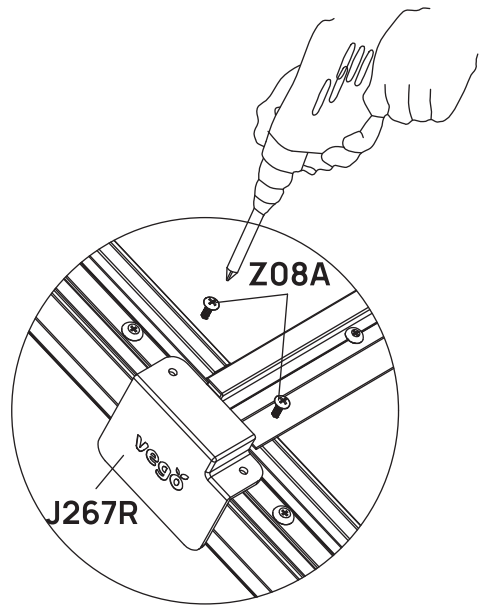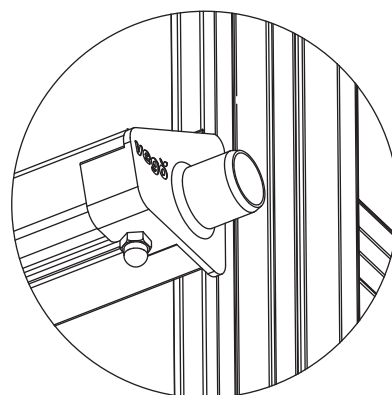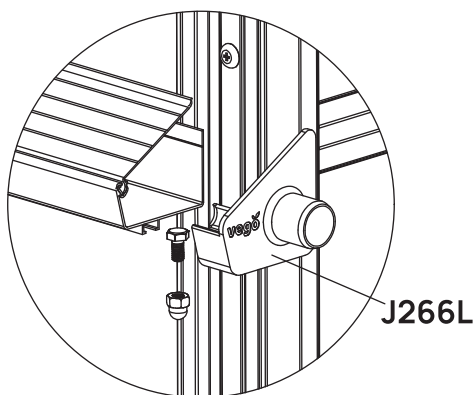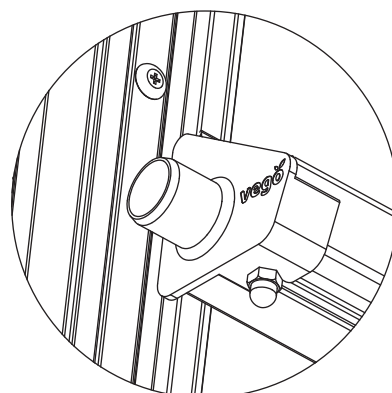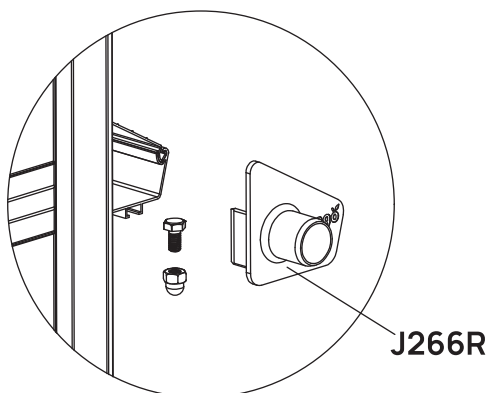
Assemble the drainage pipes as shown, then attach them to the gutter end caps. Apply silicone caulk or waterproof tape to reinforce the connection between gutter end cap and pipe.

BOX	PART	NO	QTY
ALBOX-4		L25	4
ALBOX-4		J93	4
ALBOX-4		J94	4
ALBOX-4		J199	4
ALBOX-4		H74-3	2
ALBOX-4		H74-2	2
Pre-installed		S89 M3X12	8
ALBOX-4		Z08A Ø4.2X16	4
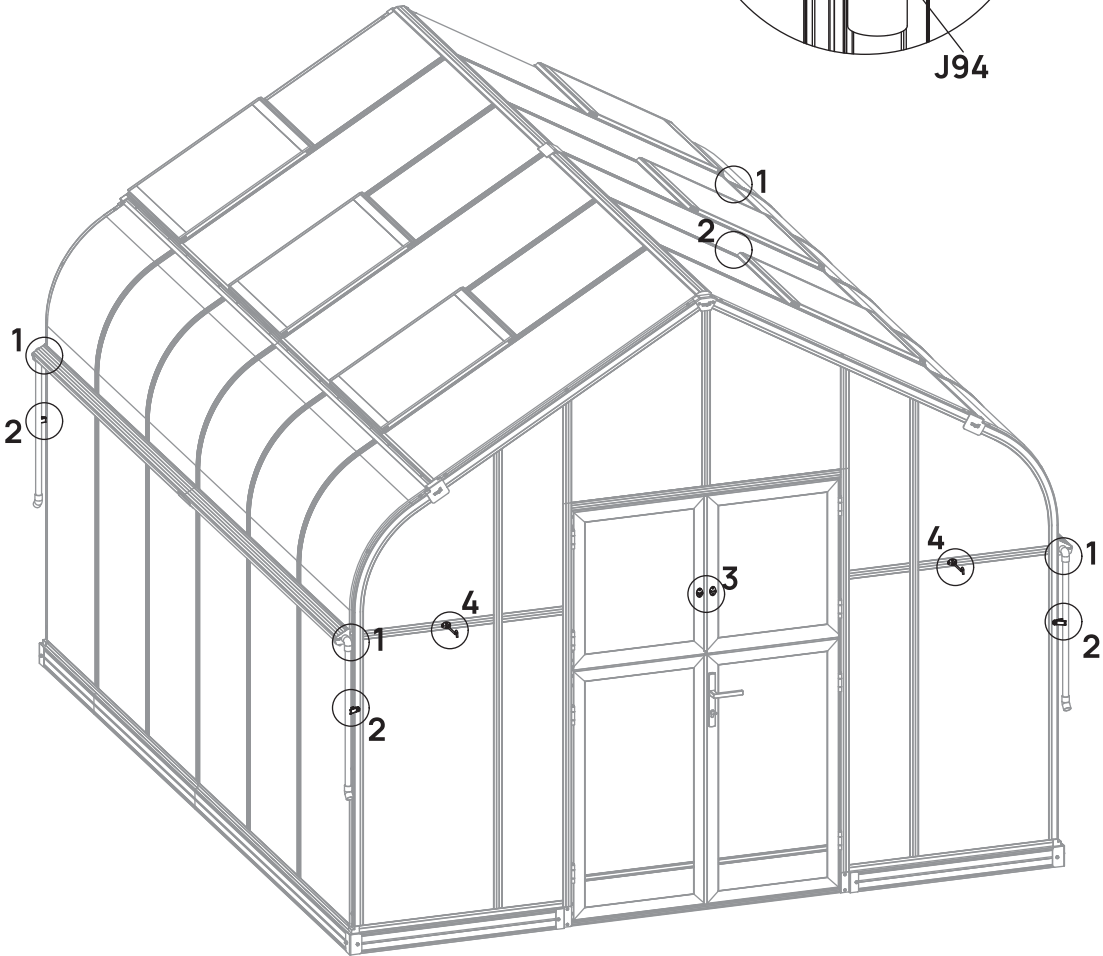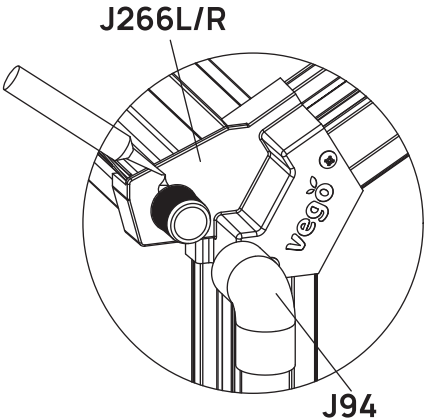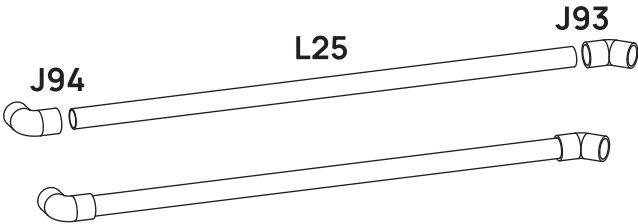
Apply silicone caulk (not provided) between the gaps of plastic caps and frames to ensure a watertight seal as shown.

1 L27B — J266L/R — L28B
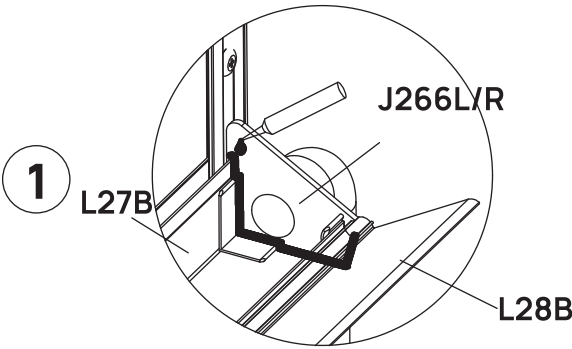
Attach pipe bracket and wind latch as shown in diagram.

2 J199 — Z08A

3 S89 x 2 — H74-2
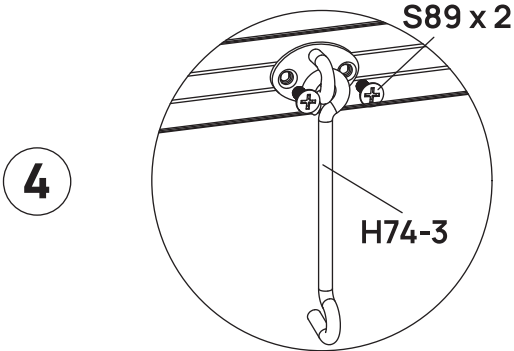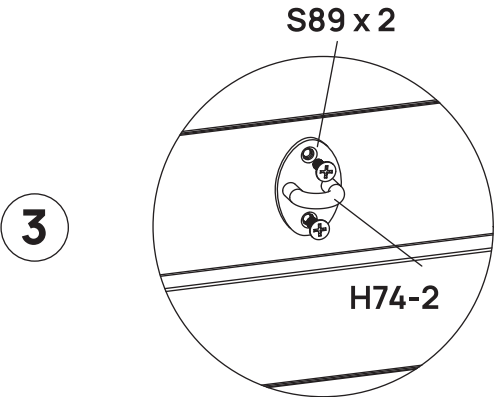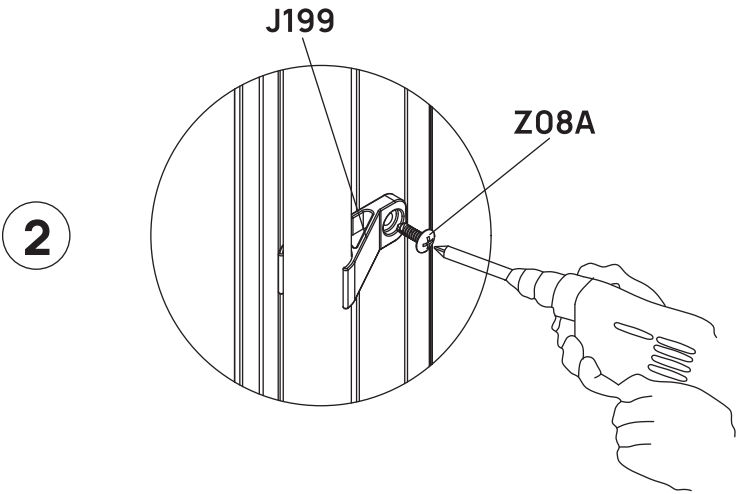
4 S89 x 2 — H74-3

Apply silicone caulk (not provide) around all PC panels to ensure watertight sealing.
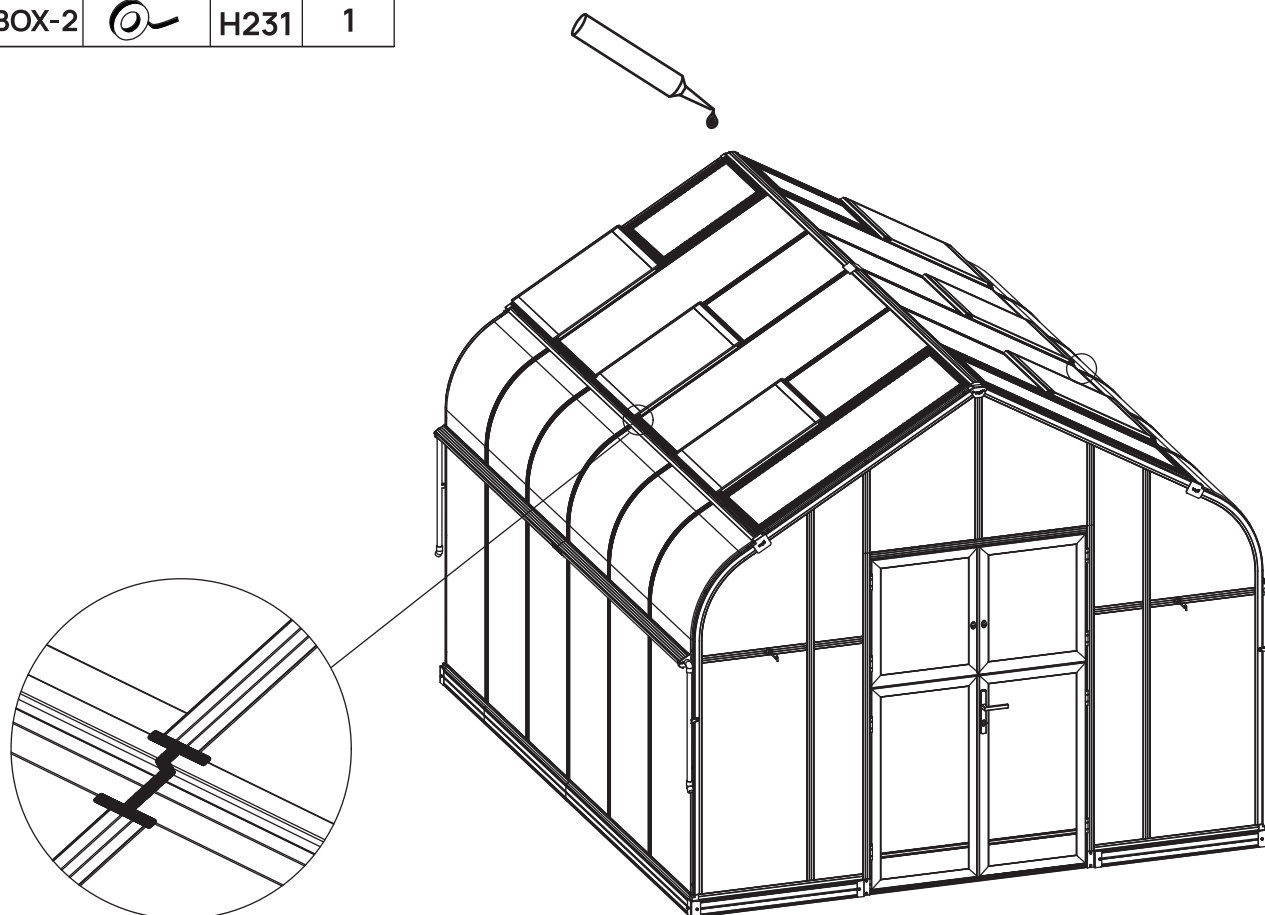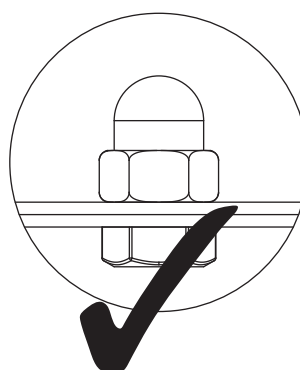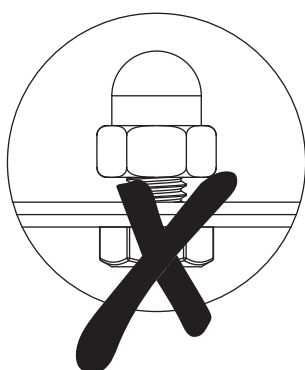**Note:** For the roof, ensure to seal the joints between each profiles as well, using silicone caulk or the provided H231 butyl tape.

BOX	PART	NO	QTY
PCBOX-2		H231	1

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

Gardening Made Easier. Anytime, Anywhere.

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