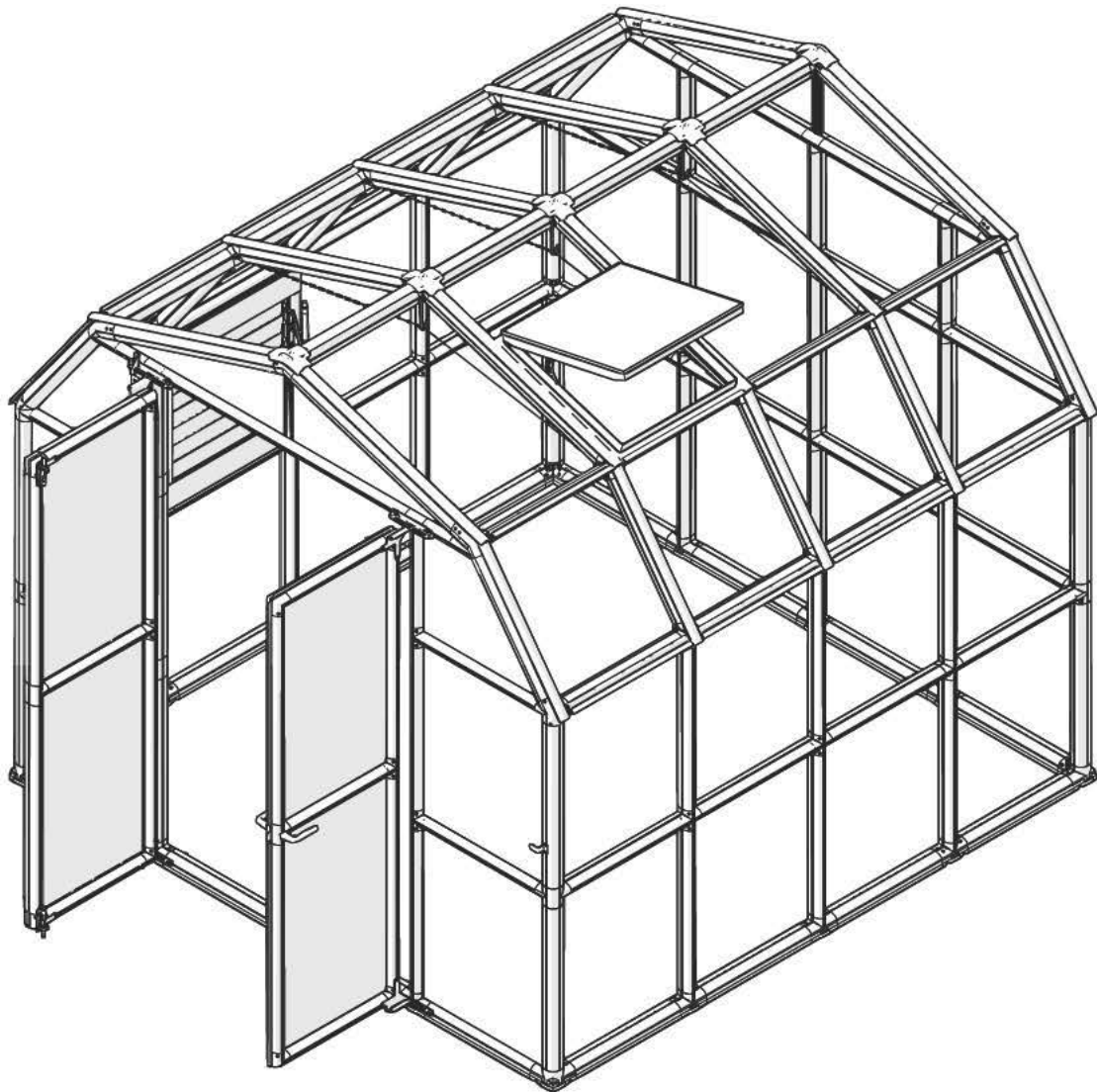## ASSEMBLY INSTRUCTIONS

# Green Giant/Prestige

Please read these Assembly Instructions in their entirety before starting assembly and save the Instructions so you can refer back to them if you wish to add options or make repairs. The manufacturing date of your greenhouse is indicated on your assembly instruction booklet. Please save it for future use when you call to castomer service.

Check the contents of the Greenhouse packaging against the packing list and the parts required for your model, listed in the manual from page 4 onwards. Do not begin the assembly process if any part is missing.

- We recommend that you wear gloves during assembly.
- Rion is not responsible for the misuse of tools or parts.
- If local building codes require permits or licenses, make sure that they are issued before you start assembling.
- Your Greenhouse should be securely anchored to the foundation  or to the Modular Base using the recommended hardware.
- Exercise caution when  lifting heavy assemblies.
- Do not attempt to assemble your Greenhouse in high winds.
- We recommend that you install your Greenhouse in location where it will be exposed to direct sunlight and where it will be protected from the wind as far as possible. The door should not face prevailing winds.
- Close all roof vents during high winds.
- It is important to clear your Greenhouse of snow during winter.
- If you live a in hot climate, where external temperatures exceed 46ºC (115ºF) in the sun or 36ºC (99ºF) in the shade, this may cause the temperature inside the Greenhouse to exceed 55ºC (131ºF). Such conditions may damage your plants. In order to prevent damage:
  o Ensure good ventilation during hot days,
  o Install shading screens, such as the Rion ShadeNet (available as on option).

## Required Tools

Before you begin assembly, make sure that you have the following tools on hand:
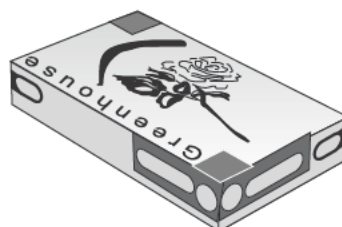Measuring tape
Spirit level
Scissors
Gloves
Razor knife
Drill

**Note:** *You may find some parts easier to assemble if you first moisten them with soapy water.*
*If a hole in the connector is missing, drill a hole with a 6 mm (1/4") drill bit through the assembled profile*
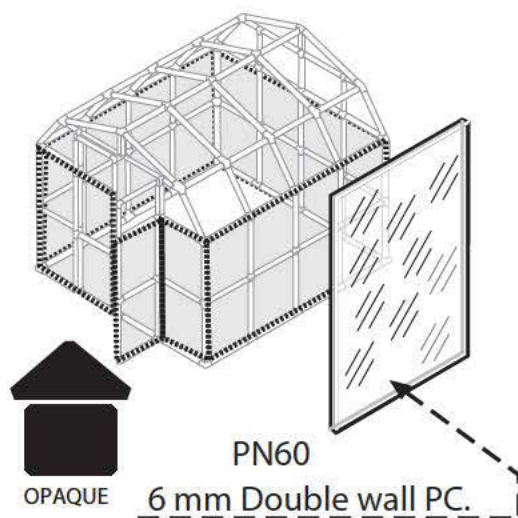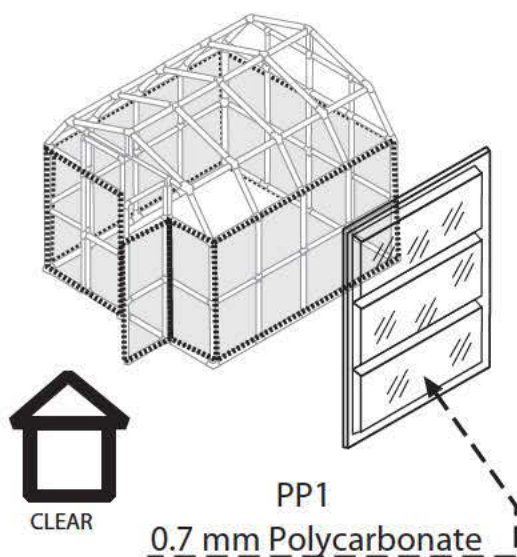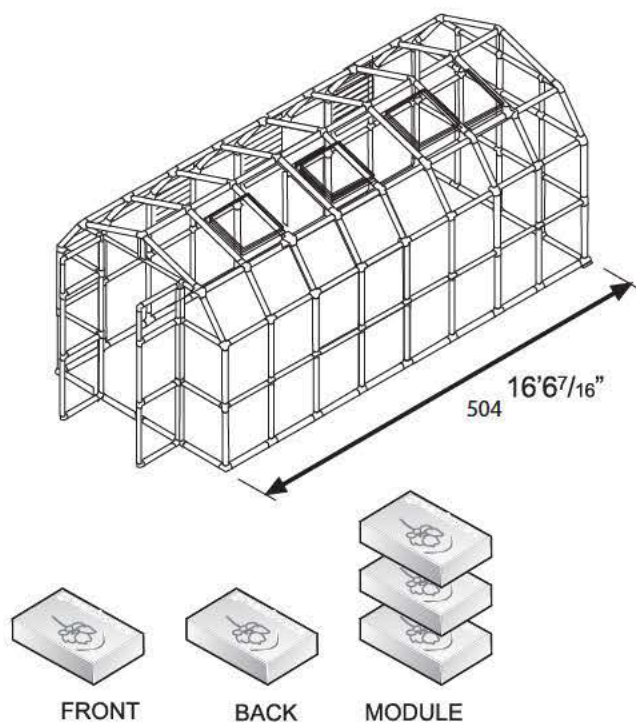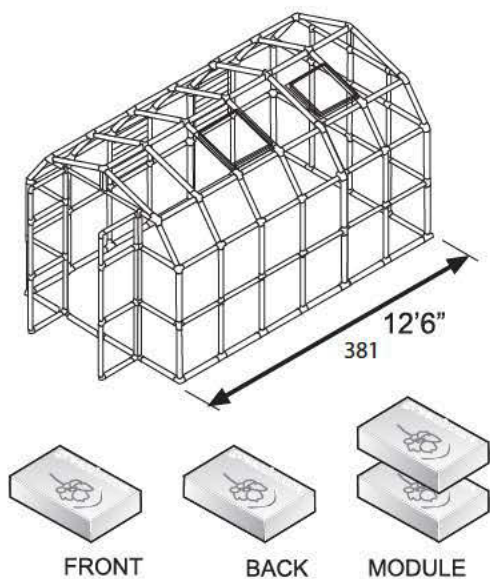
## These symbols indicate your chosen greenhouse

### Greenhouse type



CLEAR



OPAQUE

BACK

MODULE

FRONT

237
7'9"

205
6'9"

258
8'5⁹/₁₆"

258
8'5⁹/₁₆"

FRONT    BACK    MODULE

12'6"
381

FRONT    BACK    MODULE

16'6⁷/₁₆"
504

FRONT    BACK    MODULE

CLEAR

PP1
0.7 mm Polycarbonate

OPAQUE

PN60
6 mm Double wall PC.
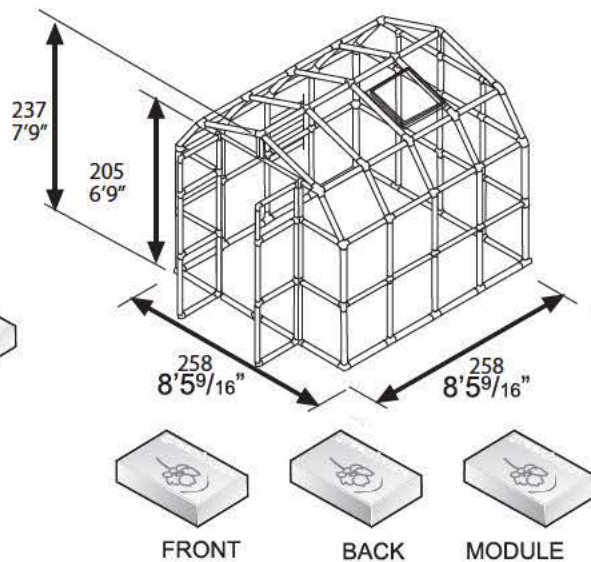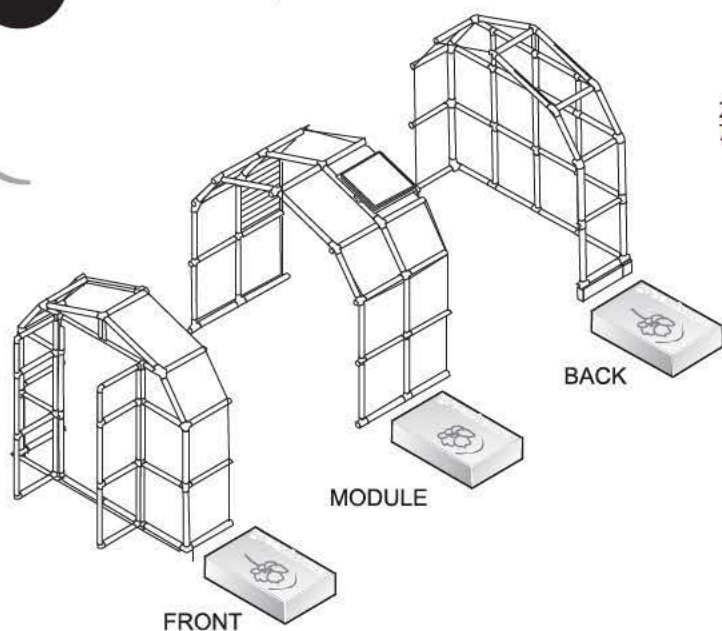
# B The five procedures in building a greenhouse

Min 1m
3'3³/₈"

Min 1m
3'3³/₈"
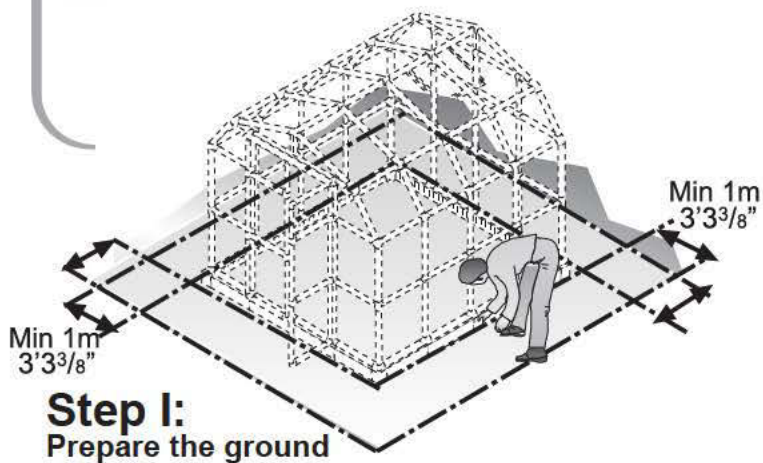
## Step I:
Prepare the ground

## Step II:
Build the roof
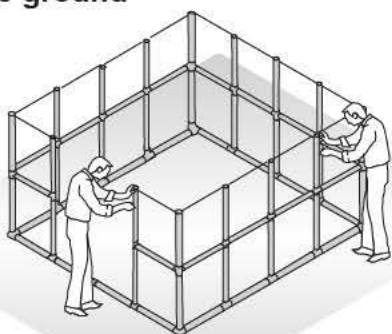
See From Page 9

## Step III:
Build the walls

See From Page 26

**IVa**
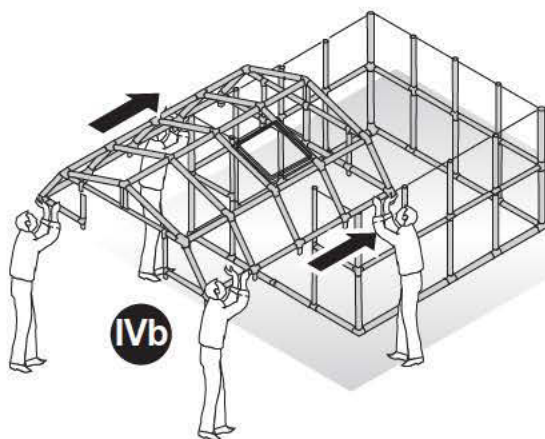
## Step IV:
Attach the assembled roof on the walls

See From Page 31

**IVb**

**IVc**
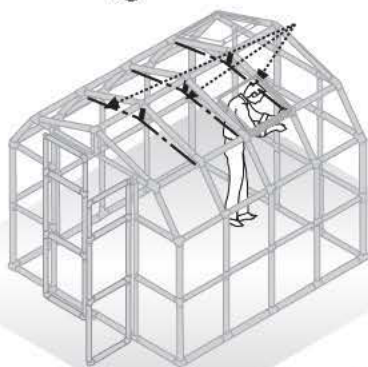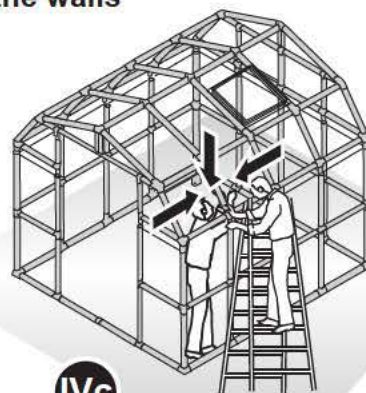
## Step V:
Greenhouse Interior: doors and louvered window

Option
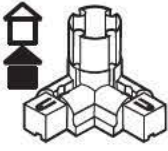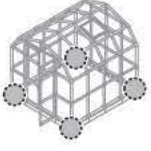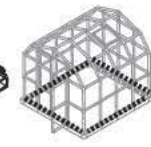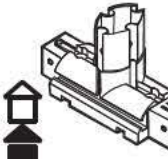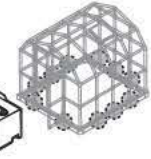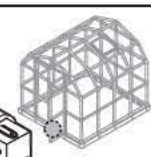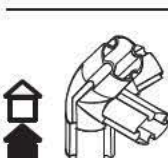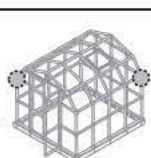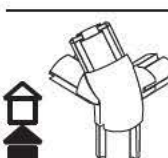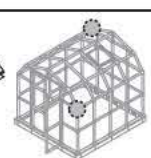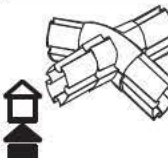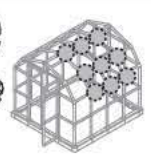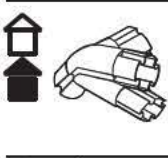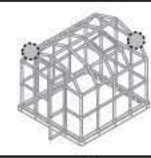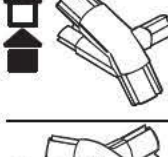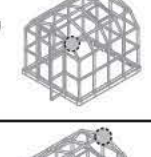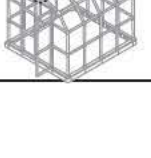
See From Page 43
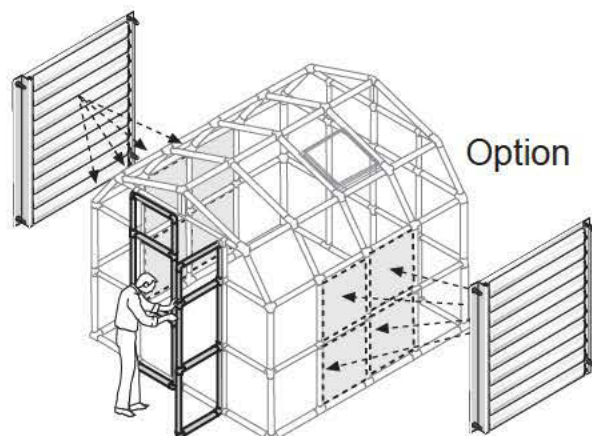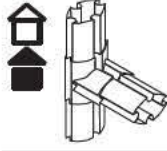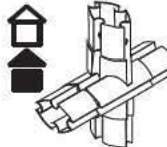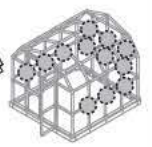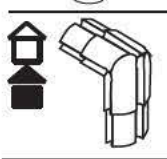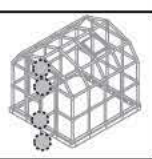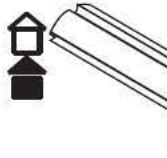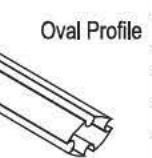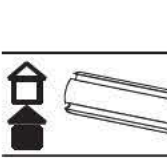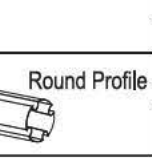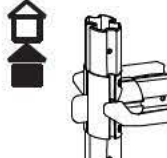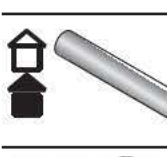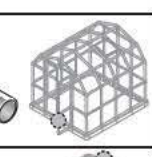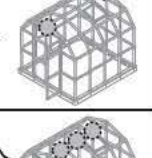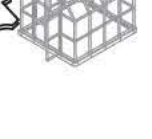
# Parts list
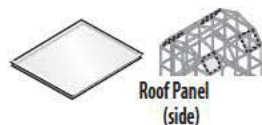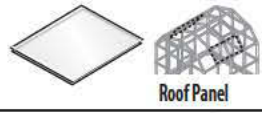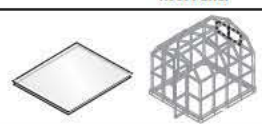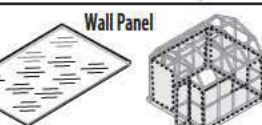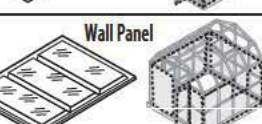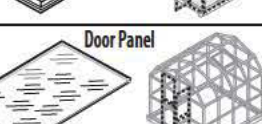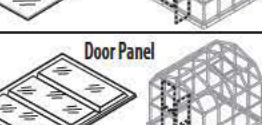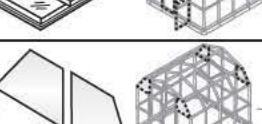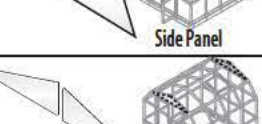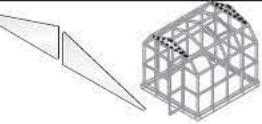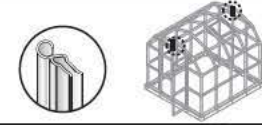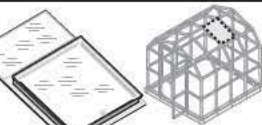
The part code is stamped on each connector. Profiles are listed in order by size, largest to smallest. Panels are identified with stickers. Some glazing elements (RA, RB, RC, and RD) are placed inside the long profiles in the interests of space.
Exact dimensions can be found in the packing list.
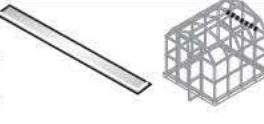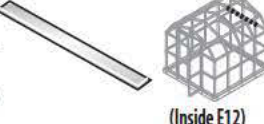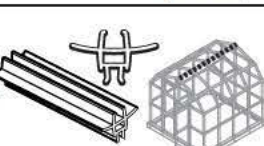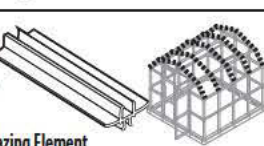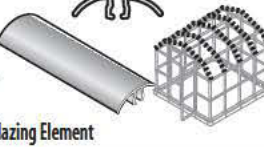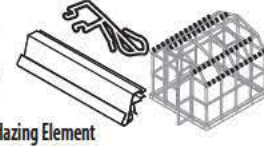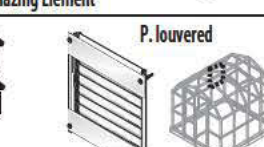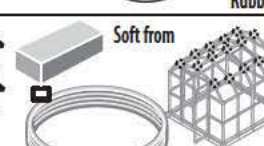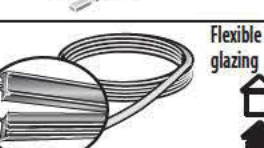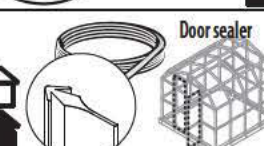
| Description | Part Code | Front | Back | Middle | |
|---|---|---|---|---|---|
|  | 01 | 2 | 2 | | Corner Frame Base Connector |
|  | B2 | 6 | 6 | 4 | Base Profile (500 mm, 1' 7¹¹/₁₆") |
|  | 2D | 3 | 4 | 4 | Frame Connector |
|  | 15 | 1 | | | Door Frame Connector |
|  | 3A | 1 | 1 | | Left Rib Connector |
|  | 4A | 1 | 1 | | Right Rib Connector |
|  | 5A | 3 | 2 | 10 | Rib Connector |
|  | 6A | 1 | 1 | | Left Pediment Connector |
|  | 7A | 1 | 1 | | Right Pediment Connector |
|  | 8A | 1 | 1 | | Top Pediment Connector |

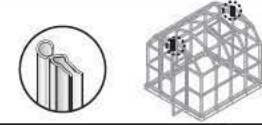| Description | Part Code | Front | Back | Middle | |
|---|---|---|---|---|---|
|  | 09 | 10 | 3 | | T - Oval Connector |
|  | 10 | 1 | 7 | 4 | Oval Junction Connector |
|  | 16 | 2 | 2 | | Corner Frame Connector |
|  | 18 | 8 | | | Corner Oval Connector |
| Oval Profile | E12 | 1 | | | 1162mm, 3'9³/₄" |
| | E6 | 1 | 1 | 4 | 850mm, 2'9⁷/₁₆" |
| | E2 | 12 | 18 | 18 | 540mm, 1'9¹/₄" |
| | E4 | 2 | 3 | | 394mm, 1'3¹/₂" |
| | E5 | 2 | 2 | | 134mm, 5¹/₄" |
| | E28 | 6 | 8 | 8 | |
| | E103 | 6 | | | 465mm, 1'6⁵/₁₆" |
| | E104 | 8 | | | 860mm, 2'9⁷/₈" |
| Round Profile | R28 | 4 | 4 | | 672mm 2'2⁷/₁₆" |
| | R8 | 2 | 2 | | 802mm, 2'7⁹/₁₆" |
| | R2 | 2 | 2 | | 534mm, 1'9" |
| Door Handle | Door H33 | 1 | | | |
|  | SR1 | 2 | | | Inner Round Profile (400mm, 1'3³/₄") |
|  | D 1 | 1 | 1 | | Side Cap |
|  | D2 | 1 | | 2 | Middle Cap |
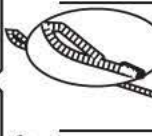
# Parts list
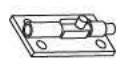
| Description | Part Code | Front | Back | Middle | |
|---|---|---|---|---|---|
| Top Roof Panel (outside) | PN 40A | 2 | 2 | | 617x976mm, 2'5/16 x3'2 7/16" |
| Top Roof Panel | PN 40 | | | 3 | 605x976mm, 1'13/16 x3'2 3/8" |
| Roof Panel (side) | PN 2A | 2 | 2 | | 617x667mm, 2'5/16 x2'2 1/4" |
| Roof Panel | PN2 | | | 4 | 605x667mm, 1'13/16 x2'2 1/4" |
| | PN9 | 0 | 2 | | 597x447mm, 1'11 1/2 x1'5 10/16" |
| Wall Panel | PN60 | 8 | 12 | 7 | 597x725mm 1'11 1/2 x2'4 9/16" |
| Wall Panel | PP1 | 8 | 12 | 7 | 597x725mm 1'11 1/2 x2'4 9/16" |
| Door Panel | PN125 | 4 | | | 917x522mm 3'1/8"x1'81/8" |
| Door Panel | PN126 | 4 | | | 597x725mm 3'1/8"x1'81/8" |
| Side Panel | PN5L (Left) | 1 | 1 | | 581x449mm, 1'10 7/8 x1'5 11/16" |
| | PN5R (Right) | 1 | 1 | | 581x449mm, 1'10 7/8 x1'5 11/16" |
| Pediment Panel Half | PN8L (Left) | 1 | 1 | | 855x274mm 2'9 11/16 x10 13/16" |
| | PN8R (Right) | 1 | 1 | | |
| Window Couplers | ST7 | 2 | 2 | | Window Couplers 261mm 10 1/4" |
| Roof Vent | WIN33 | | | 1 | Roof Vent |

| Description | Part Code | Front | Back | Middle | |
|---|---|---|---|---|---|
| | GSC10 | | | 2 | Back Pediment Strengthining Bar 820mm, 2'8 1/4" |
| (Inside E12) | GSE12 | 1 | | | Front Pediment Strengthining Bar 1040mm, 3'4 15/16" |
| RA Glazing Element | RA1 | 1 | 1 | 2 | 573mm, 2'10 9/16. |
| RB Glazing Element | RB4 | 1 | 1 | 4 | 848mm, 2'9 3/8" |
| | RB6 | 2 | 2 | | 800mm, 2'7 1/2" |
| | RB1 | 3 | 3 | 4 | 520mm, 1'8 1/2" |
| RC Glazing Element | RC5 | 3 | 3 | 4 | 955mm, 3'1 5/8" |
| | RC1 | 3 | 3 | 4 | 666mm, 2'2 1/4" |
| | RC3 | 1 | 1 | 2 | 580mm, 1'10 13/16" |
| RD Glazing Element | RD1 | 4 | 4 | 8 | 569mm, 1'10 3/8" |
| P. louvered | | | | 1 | |
| Sealing Rubber | | 1 | 1 | 1 | |
| Soft from | SF | 1 | 1 | 1 | |
| Flexible glazing | GF | 1 | 1 | | |
| | GF | 2 | 1 | | |
| Door sealer | DSN | 1 | | | |

# Parts list

## SUPP1 Roof Reinforcement Kit (Packets)

| Description | Part Code | Front | Back | Middle | |
|---|---|---|---|---|---|
| | Hook1 | 1 | | 2 | Top Catch |
| | Cab40 | 1 | | 2 | Cable |
| | AW5 | 1 | | 0 | Allen Wrench |
| | AS70 | 2 | | 4 | Cable Screw |

## Connector Pin

| Description | Part Code | Front | Back | Middle | |
|---|---|---|---|---|---|
| | GT1 | 1 | 1 | 0 | Pin and Glazing Tool |
| | PIN1 | 220 | 220 | 160 | Connector Pin |

## Hinge Doors Kit

| Description | Part Code | Front | Back | Middle | |
|---|---|---|---|---|---|
| | Latch | 2 | 0 | 0 | Inner Door Latch |
| | 7218 | 2 | 0 | 0 | Latch Addaptor |
| | 7216 | 2 | 0 | 0 | Left Door Hinge |
| | 7215 | 2 | 0 | 0 | Right Door Hinge |
| | 7217 | 6 | 0 | 0 | Hinge Base |
| | 7273 | 1 | 0 | 0 | Hendle holder |
| | 7272 | 1 | 0 | 0 | Door Holder |
| | 7224 | 22 | 0 | 0 | M6 x 80 Bolt |
| | 4016 | 4 | 0 | 0 | M6 x 20 Bolt |
| | 466 | 21 | 0 | 0 | M6 Flange Nut |
| | 7279 | 5 | 0 | 0 | M6 Nylock Nut |
| | 425 | 4 | 0 | 0 | Washer |
| | 423 | 8 | 0 | 0 | M4 Nylock Nut |
| | 7222 | 8 | 0 | 0 | M4 PH Bolt |
| | 7281 | 4 | 0 | 0 | Philips Screw 6x25 |

# 1 Step II Build the roof - Start with the Front

ST7

PN8L

ST7

PN8R

FRONT

UV

Inside

Outside

# 2

6A

R8

E5

8A

09

PIN1

GT1

**3**



PIN1

GT1

E12

09

E5

**4**



PN8L

PN8R

PIN1

GT1

uv

Inside

Outside

**5**



PIN1

GT1

R8

7A

-10-

**6**

R2

E4

E4

R2

**7**

3A

**a** PN5L

**b** E2

09

Inside / Outside

**a** PN5R

09

**b** E2

4A

uv  Inside / Outside

PIN1  GT1

GF

Outside

GF

-11-

**8** **Step II** **Build the roof - Continue with the Back**

PN8R

ST7

ST7

ⓐ

ST7

ⓑ

PN8L

BACK

PN8R

ⓒ

PN8L

Outside

Inside

uv ⓘ

Outside

**9**

7A

7A

R8

ⓐ

8A

E5

E5

09

ⓑ

E2

ⓒ

09

E2

09

E5

PIN1

ⓘ

GT1

-12-

**10**

7A

PIN1

GT1

R8

6A

**11**

R2

b

a

E4

a

E4

a

E4

R2

b

PN5R

c

PN9

c

PN9

c

PN5L

Inside

uv

Inside

Outside

**11**

R2  b

a
E4

a
E4

a
E4

PN5R

c

PN61

c

PN61

c

PN5L

R2

b

uv ⊙

Outside

**12**

4A

GSC10  b

E2

10

a

E2

e

E2

d

E2

b

GSC10

c

E2

PIN1

⊙

GT1

d  E2  3A

e

-14-

**13**

PN5R
PN61
PN61
PN5L
GF
Outside
GF
GT1

**13**

PN5R
PN9
PN9
PN5L
GF
Outside
GF
GT1

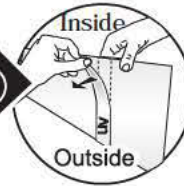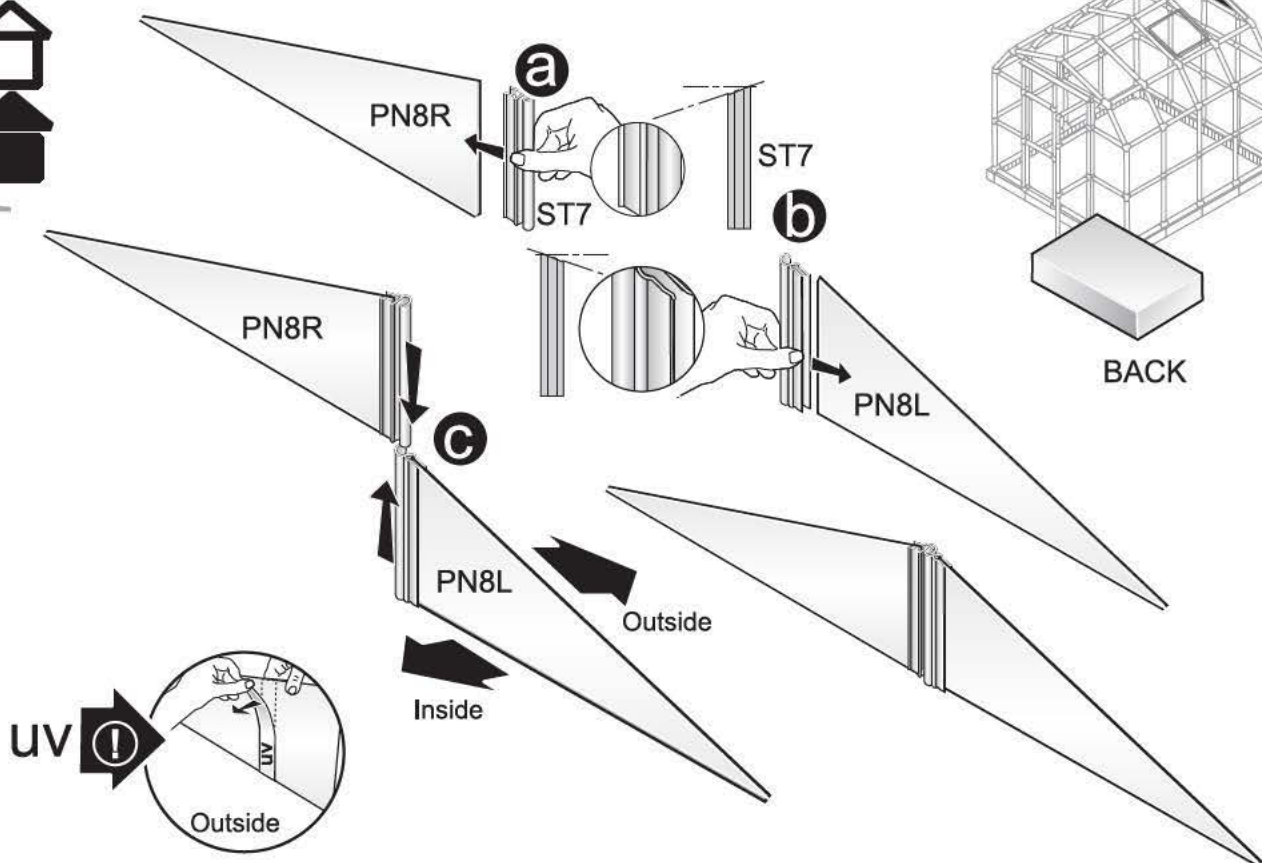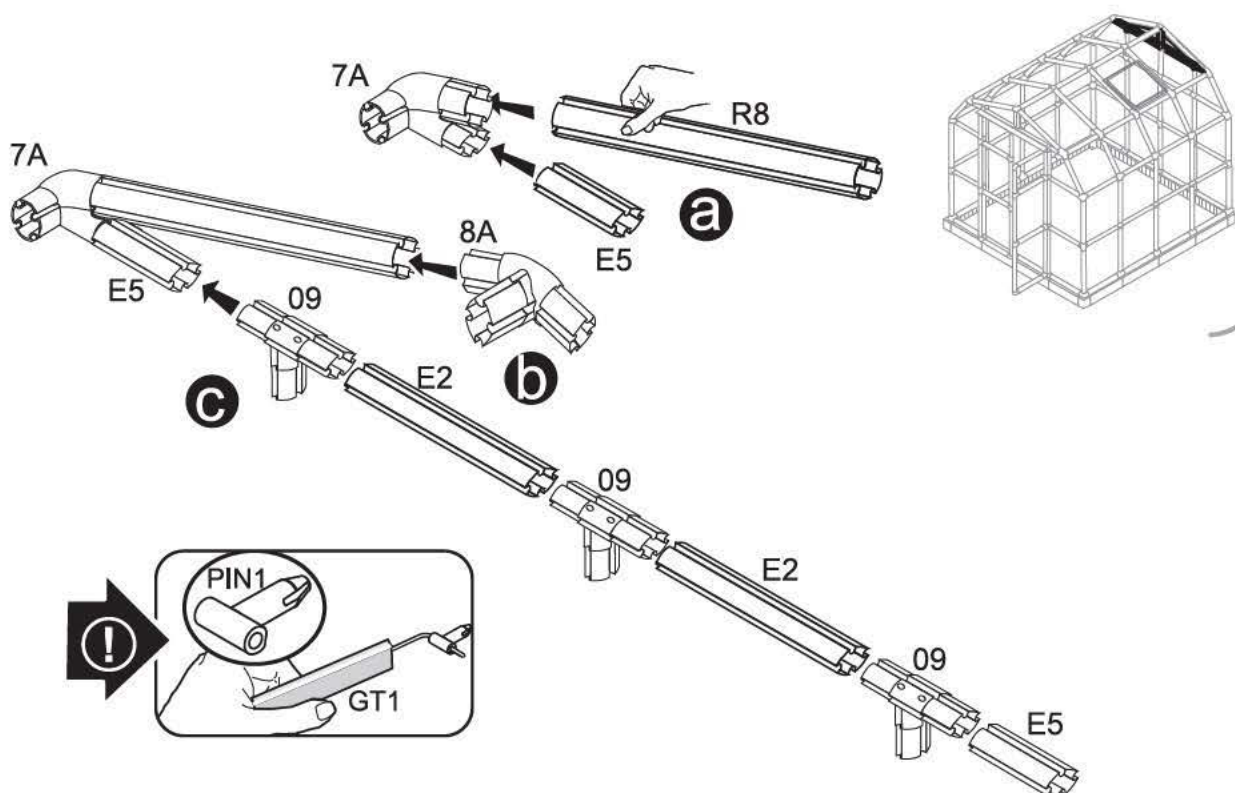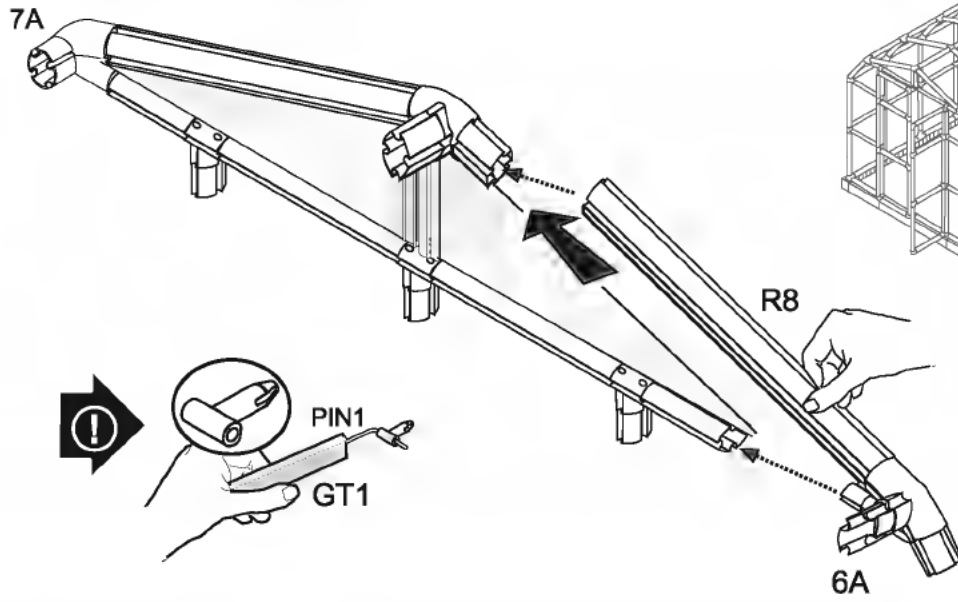**14** **Step II** Build the roof - Continue with the Middle

b

5A

5A

E6

a

MIDDLE

5A

E2

c

5A

E6

5A

b

E2

5A

See Page 41

c

**15**

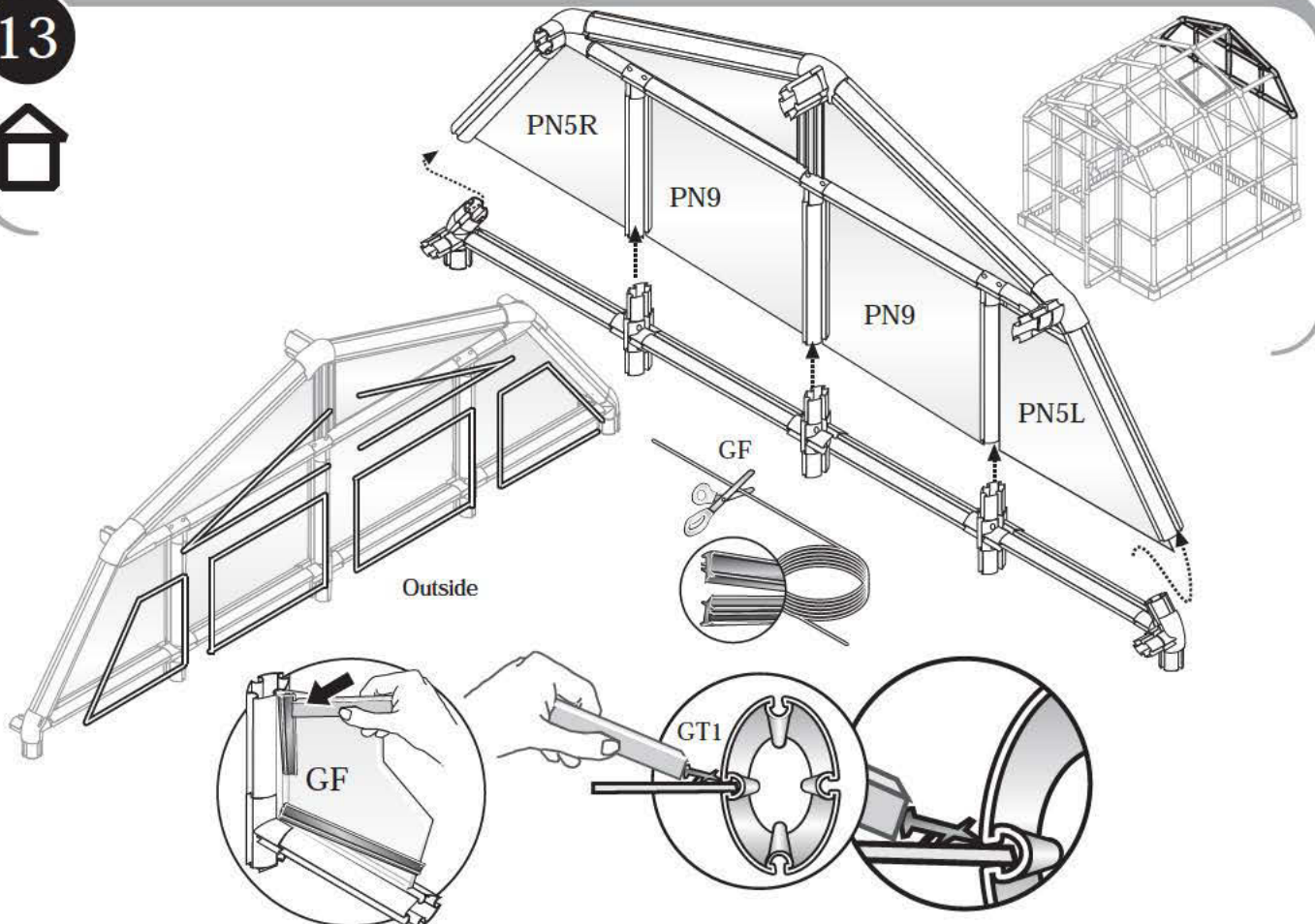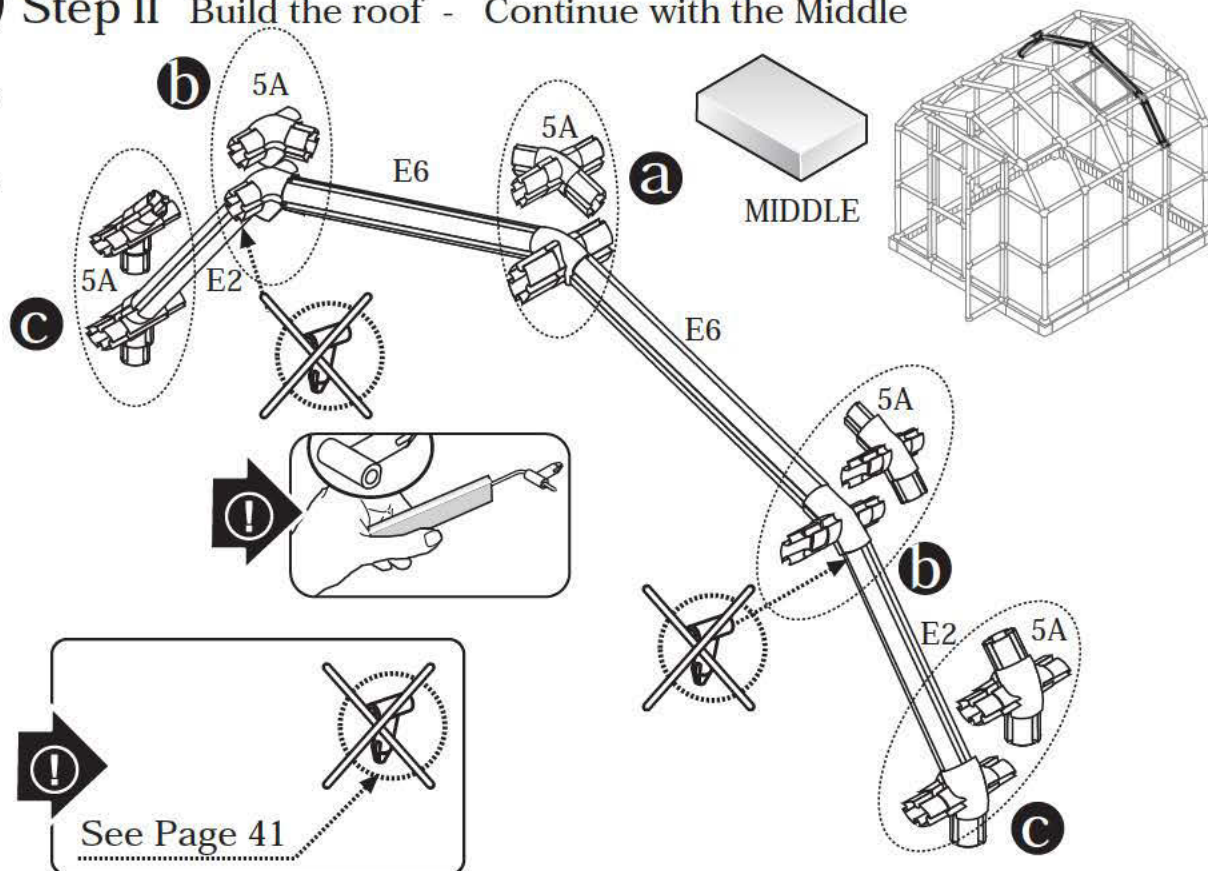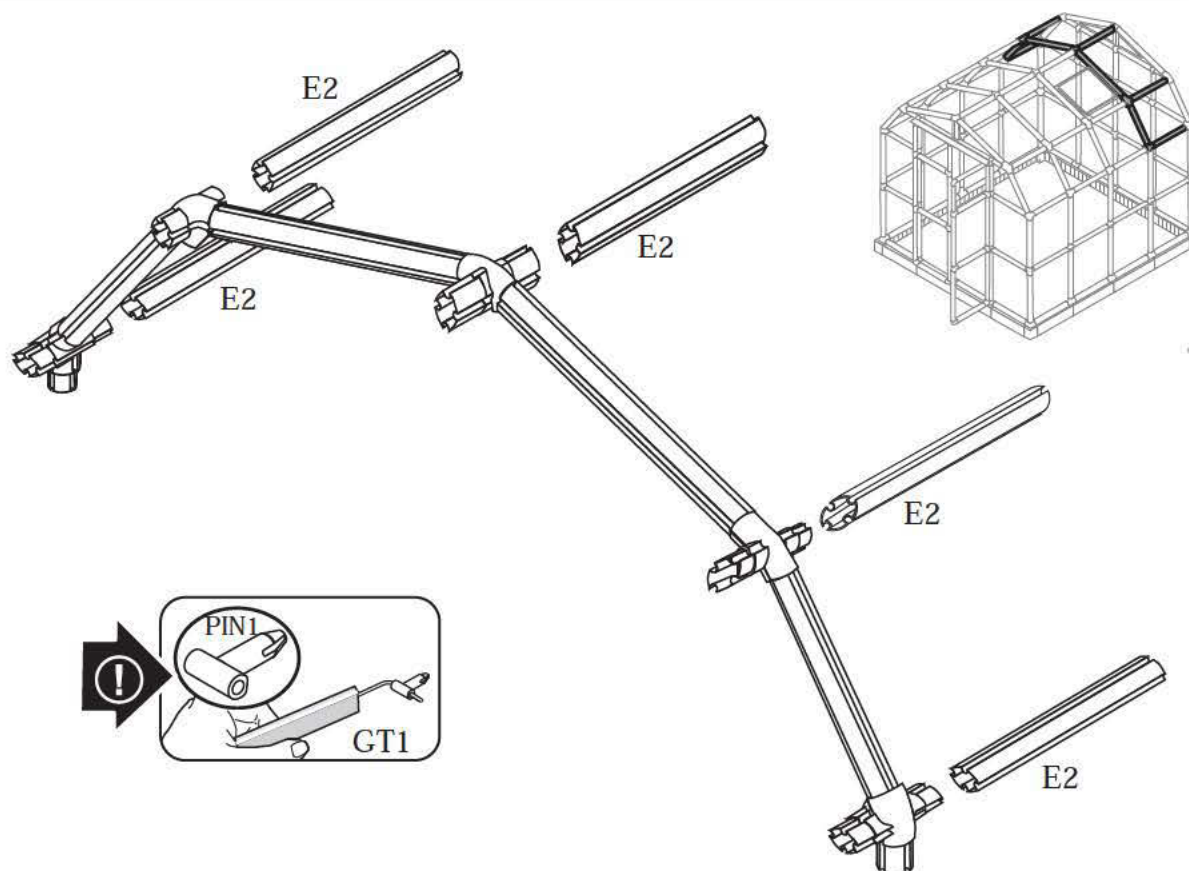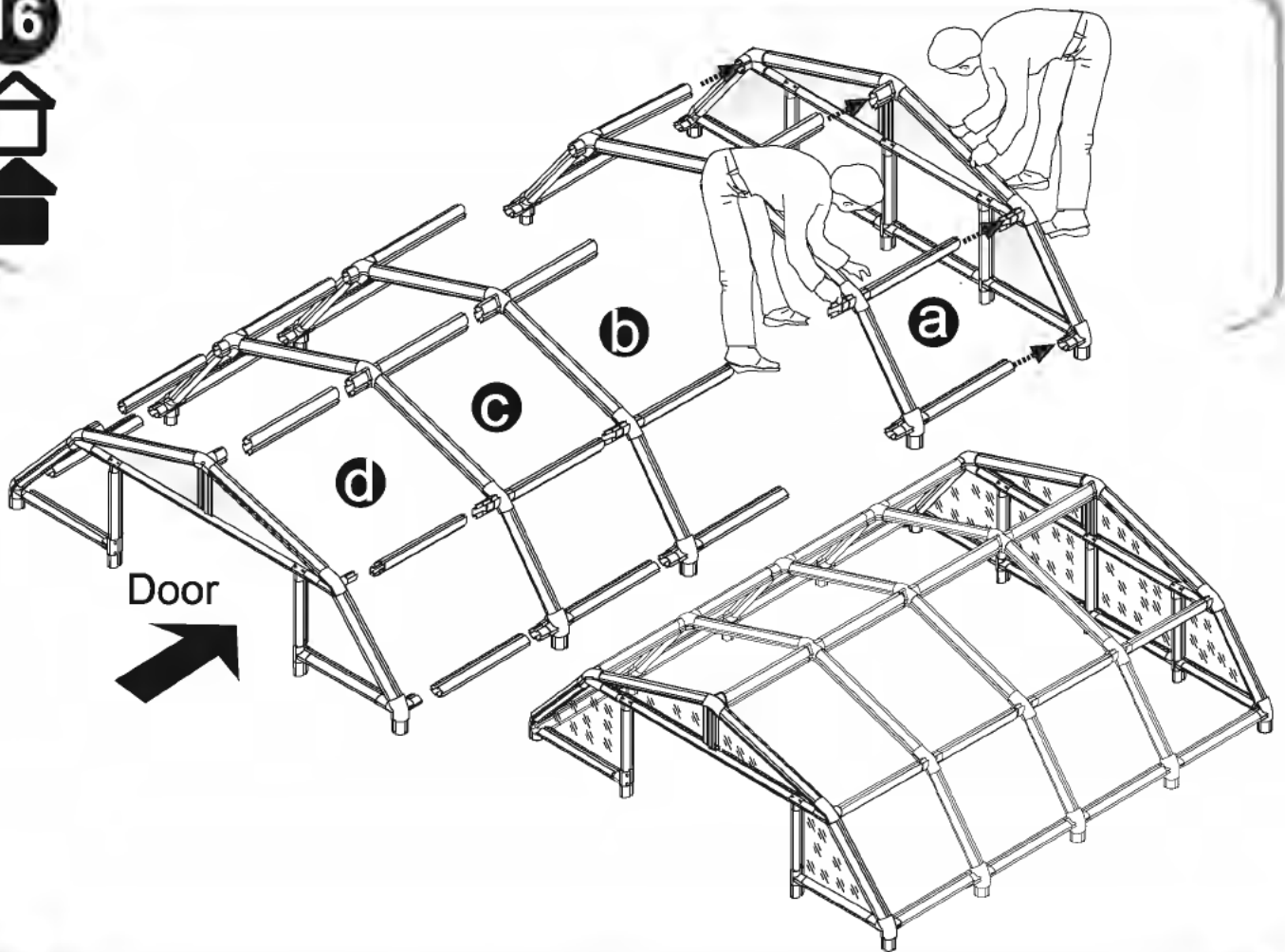E2

E2

E2

E2

E2

PIN1

GT1

E2

-16-

**16**

Door

ⓐ ⓑ ⓒ ⓓ

**17**

RA1

RA1 RA1 RA1

RA1

**18**



RB6
RB4
RB6
RB4
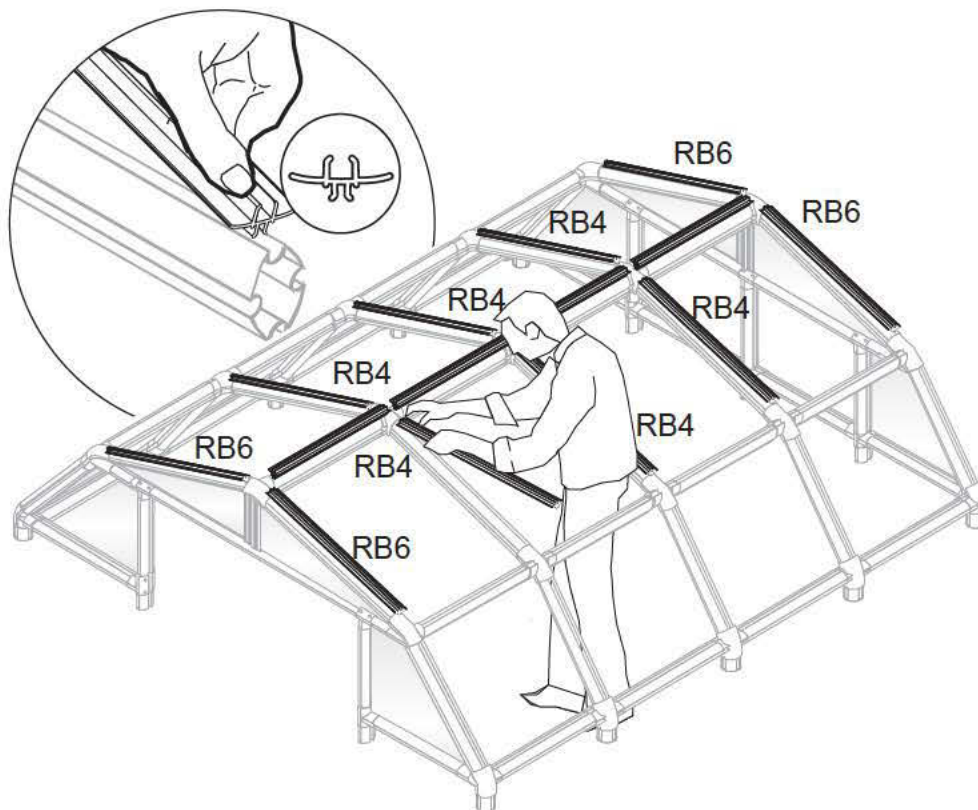RB4
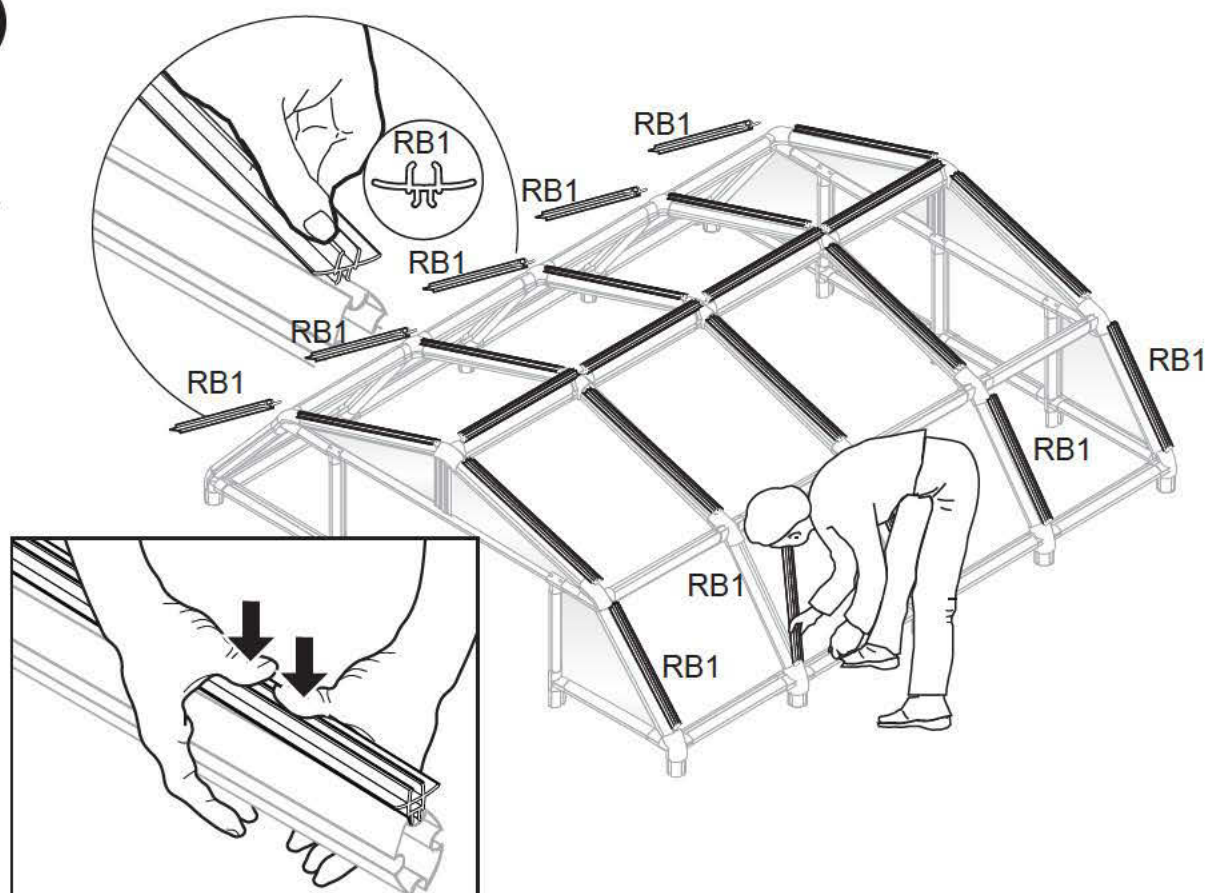RB4
RB6
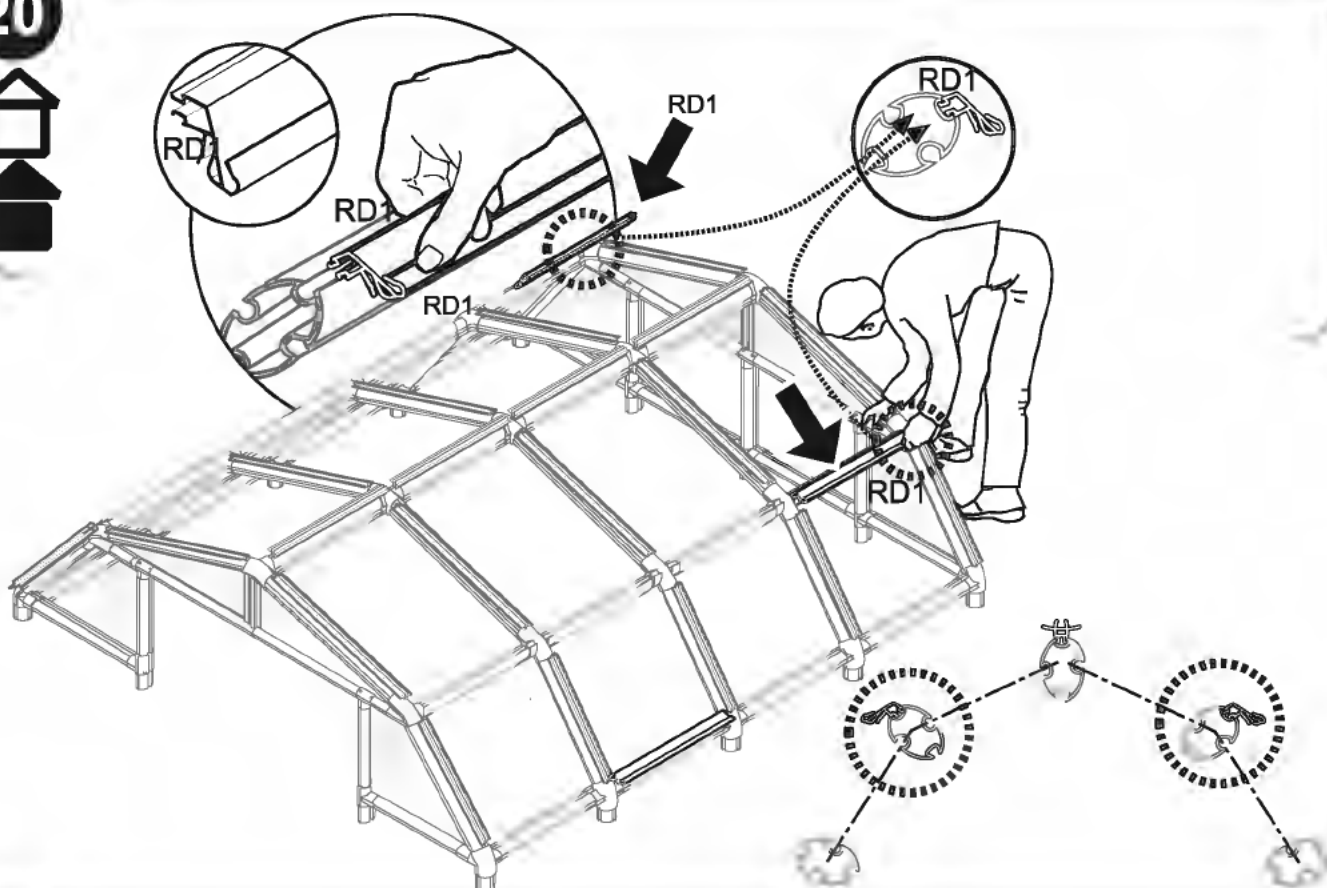RB4
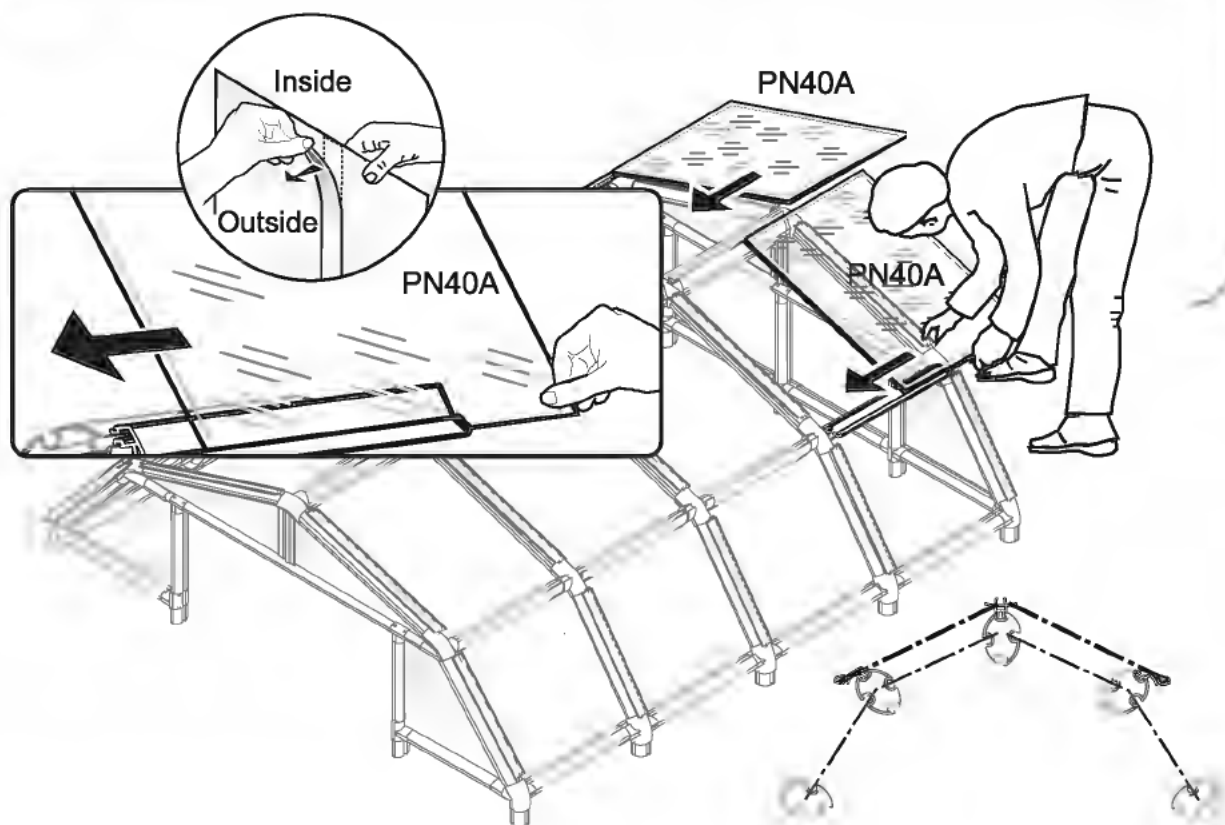RB6

**19**



RB1
RB1
RB1
RB1
RB1
RB1
RB1
RB1
RB1
RB1
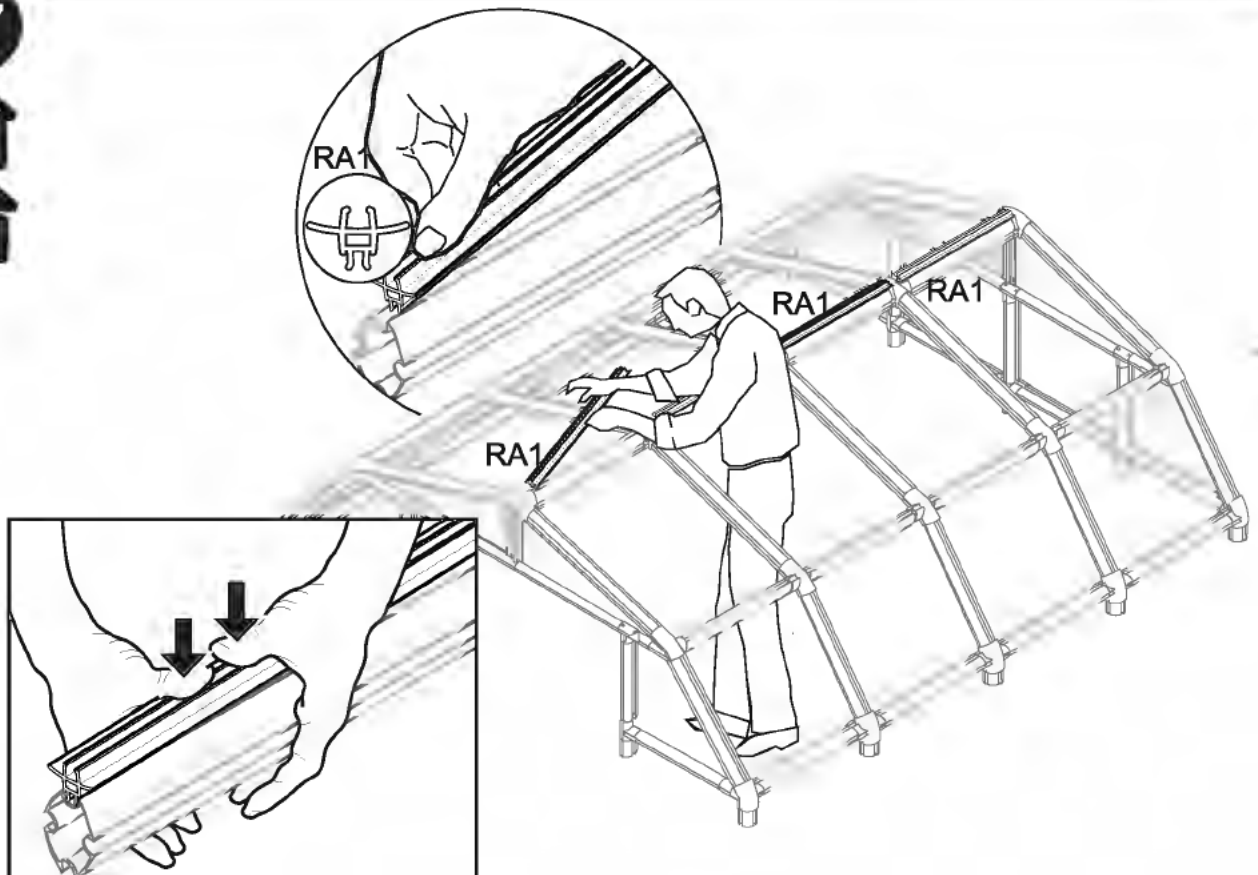
1. You may find some parts easier to assembly if you moisten them with soapy water .

2. Caution: extra efforts while inserting the profile might needed in order to keep the profile in its place for the greenhouse's life
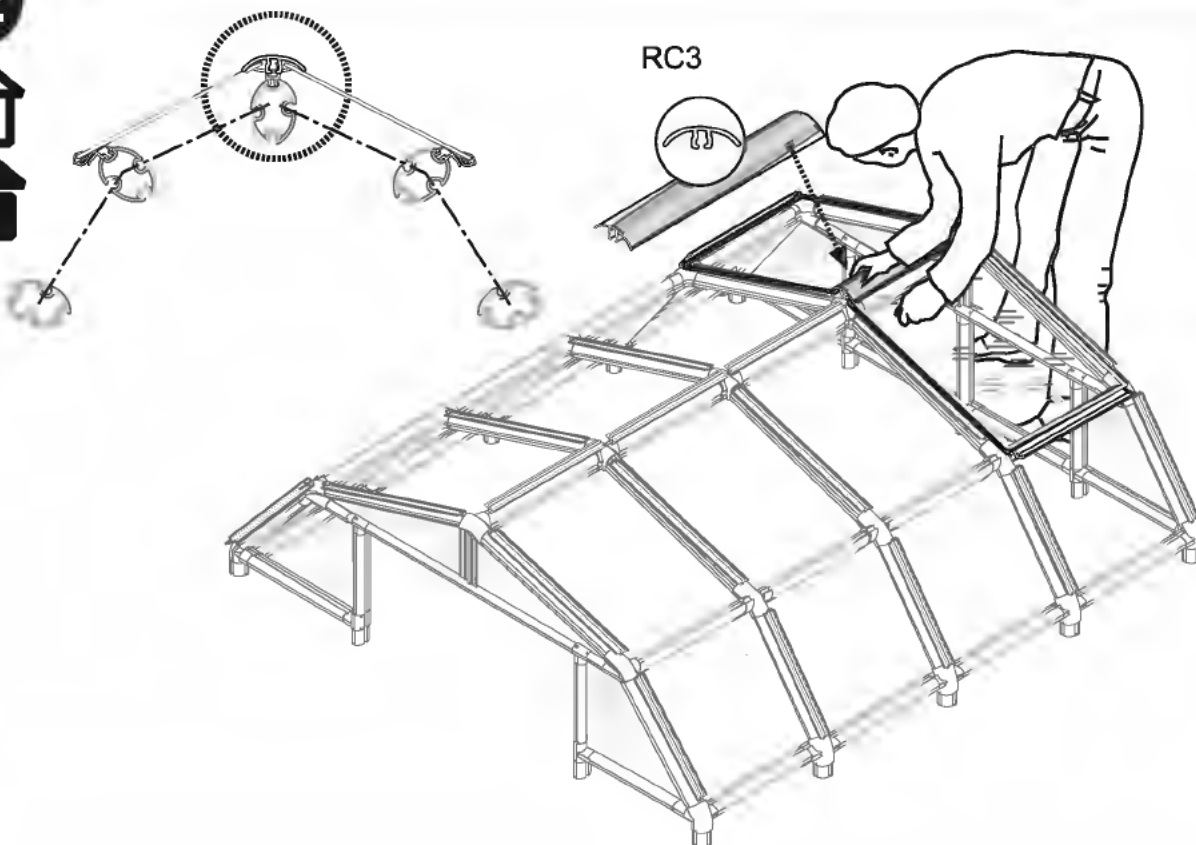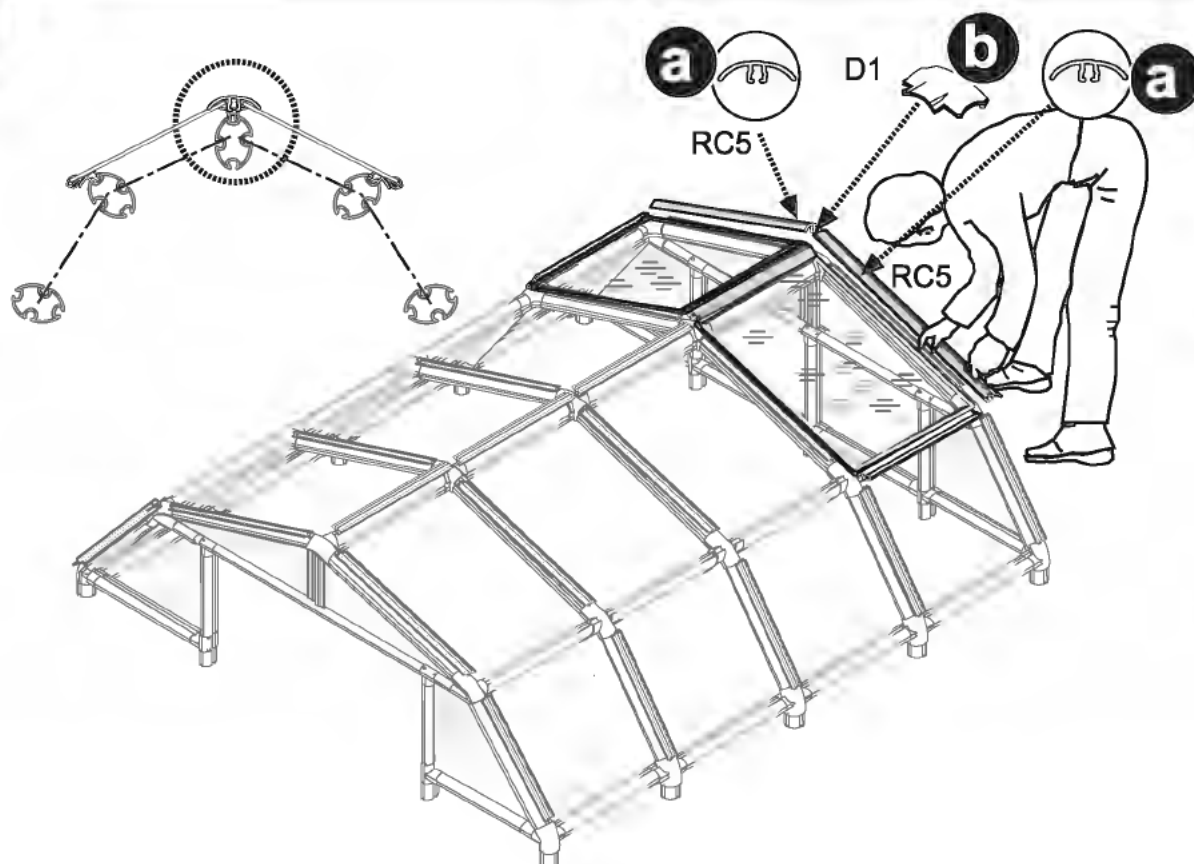
**20**
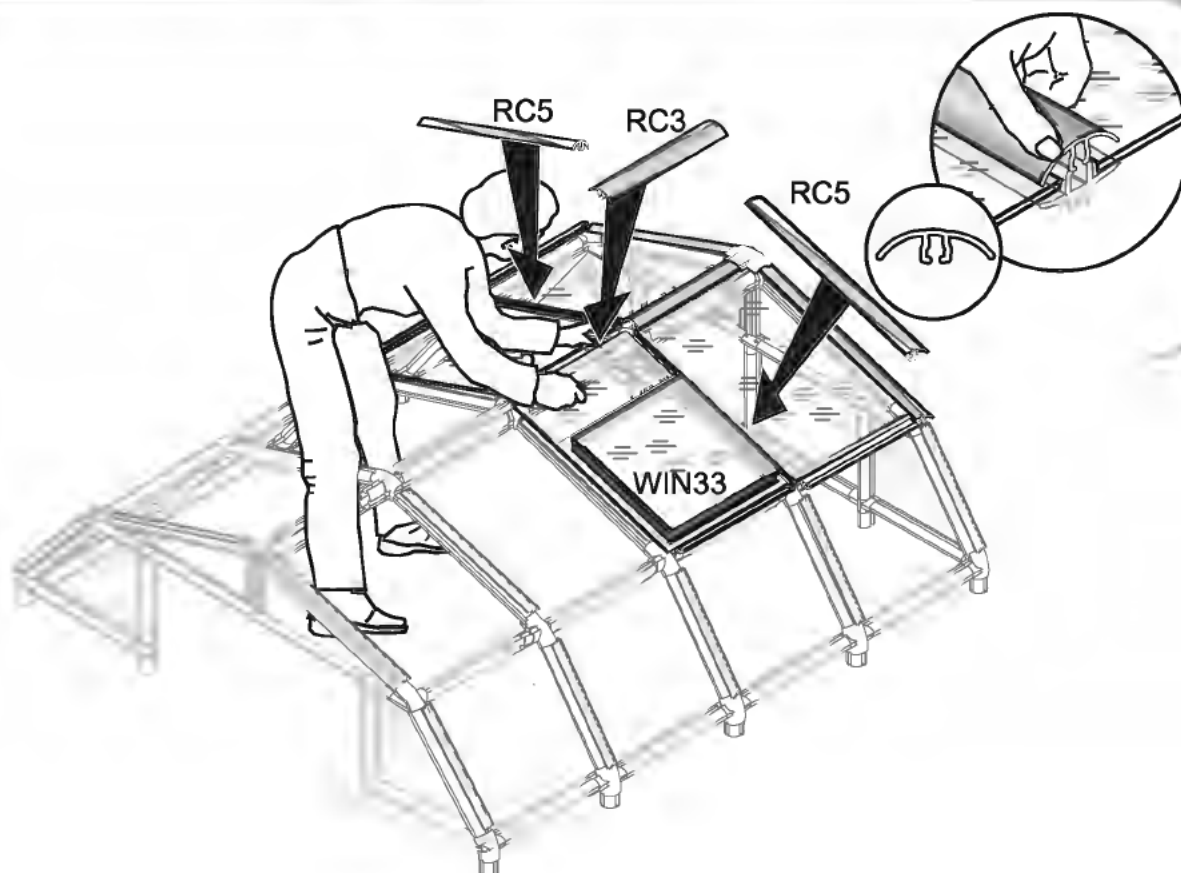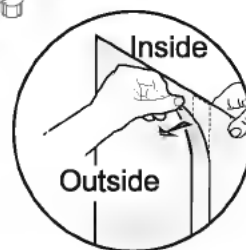
RD1

RD1

RD1

RD1

RD1

**21**

Inside

Outside

PN40A

PN40A

PN40A

-19-

**22**

RC3

**23**

RC5

a

b

D1

RC5

RC5

**24**

RD1

Option
PN40

PN40

WIN33

RD1

a

b

b

b

RD1    RD1

Inside

Outside

**25**

RC5    RC3

RC5

WIN33

D2

d
RC5

e
D2

c
RC3

d
RC5

RC5

a
RD1

PN40

PN40

b

RD1

a

Inside

Outside

**28**

RC5

**b**

**c**

D2

**a** RC3

**b** RC5

PN40

**29**

**d**

RC5

**a**

RD1

**c** RC3

**e** D2

**d** RC5

PN40A

**b**

PN40A

**b**

Inside

Outside

**a**

RD1

-23-