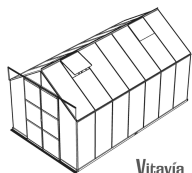


Greenhouse Stores

ASSEMBLY GUIDE

Phoenix 11500

8x14 Vitavia greenhouse



Vitavia

12

steps, base first

2

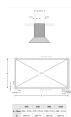
people needed

4420+70 mm × 2564 mm

base size (A × B)

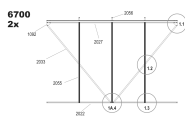
Online version with every size: www.greenhousestores.co.uk/instructions/vitavia-phoenix/

The build at a glance



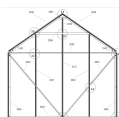
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Foundation and steel base



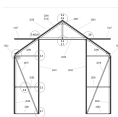
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Build both side frames



2

Build the back gable



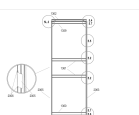
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Build the door gable



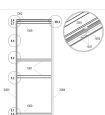
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Join and square the frame



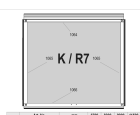
5L

Fit the left-hand door



5R

Fit the right-hand door



6

Build and fit roof vents



7A

Polycarbonate roof with glass sides



7B

Large 3 mm glass panes



7C

Small overlapping horticultural glass panes



7D

Polycarbonate all round

Drawings: Vitavia (Vitavia manual 060.01.1511 (Phoenix)). Words and layout: Greenhouse Stores, greenhousestores.co.uk. Keep this guide with your greenhouse.

Before you start

Six golden rules

- 1** Build frames loose; tighten only when the whole greenhouse stands square on its base.
- 2** Measure both diagonals; they must be equal.
- 3** Never overtighten nuts 1002: maximum 3 Nm. Overtightening strips aluminium and cracks glass.
- 4** Fit extra bolts when instructed; you cannot add them after bar ends are capped.
- 5** Build with two people.
- 6** Always anchor your greenhouse. An unanchored greenhouse can blow away.

Get ready

- ☐ Read the whole guide once before you start.
- ☐ Gather flat/PH2 screwdrivers, 10 mm socket spanner/wrench, 10 mm combination spanner, knife, tape measure, spirit level. Set cordless drill adjustable torque low.
- ☐ Wear gloves, safety glasses, sturdy shoes and a hat. Aluminium edges are sharp. Clear up broken glass straight away.
- ☐ Open one bundle at a time and keep opened bundles apart. Mixed bundles are the main cause of lost-part searches.
- ☐ Check every part against the parts check pages. Contact Greenhouse Stores before you begin if anything is missing.
- ☐ Read single-frame drawings as views from inside the greenhouse. Read double-frame drawings as views from outside.
- ☐ Choose a sunny spot with as much shelter from wind as possible.

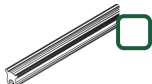
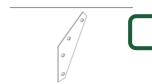
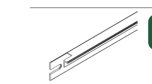
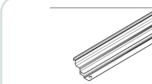
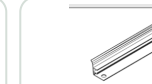
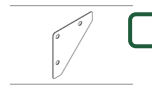
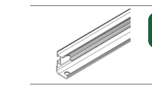
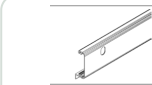
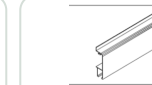
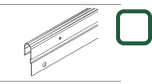
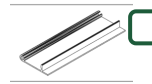
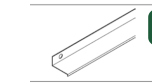
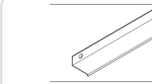
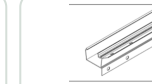
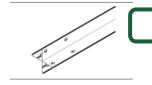
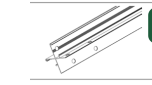
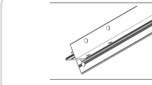
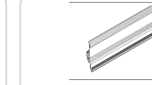
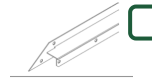
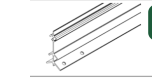
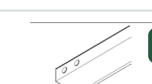
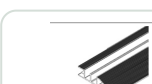
Read next: 10 common greenhouse installation mistakes (and how to avoid them)

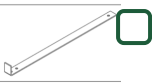
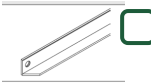
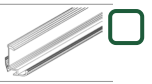
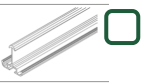
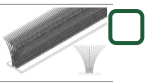
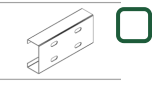
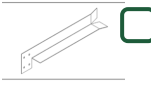
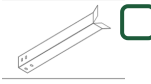
- ☐ Single frame: inside view ☐ Double frame: outside view

Parts check

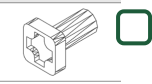
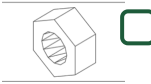
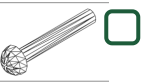
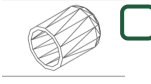
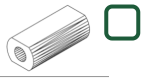
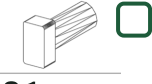
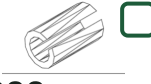
Open one bundle at a time. Tick each part as you find it. The number in green is how many your Phoenix 11500 should have.

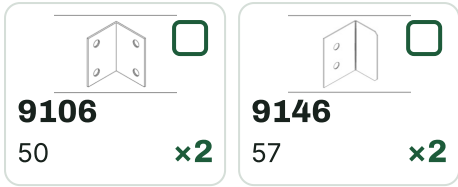
Bars and profiles

 1020 Glazing seal (reel) 125000 mm x1	 1043 170 mm x4	 1063 Window sill 635 mm x4	 1064 Top bar 602 mm x4	 1065 Side bar 520 mm x8	 1066 Bottom bar 602 mm x4
 1067 Window opener 295 mm x4	 1092 Corner plate 120 mm x12	 1347 Door runner bar 1257 mm x2	 1359 Upper bar 621 mm x2	 1360 Door bar 621 mm x2	 1361 621 mm x4
 1362 Door bar 613 mm x2	 2005 100 mm x1	 2022 2484 mm x1	 2025 4350 mm x2	 2030 4350 mm x2	 2033 Cross brace 1898 mm x10
 2035 Cross brace 2476 mm x1	 2036 1511 mm x4	 2039 1535 mm x2	 2040 1535 mm x2	 2041 Vertical bar 1963 mm x2	 2042 Vertical bar 1963 mm x2
 2043 Door runner support 416 mm x2	 2048 Horizontal bar 1318 mm x1	 2053 Ridge bar 4350 mm x1	 2054 1318 mm x1	 2055 Glazing bar 1511 mm x24	 2056 Corner brace 255 mm x12
 2057 Roof brace 1184 mm x6	 2060 633 mm x1	 2061 633 mm x1	 2062 Bottom track 2544 mm x1	 2063 Door bar 1971 mm x2	 2064 Inside side bar 1971 mm x1
 2065 Inside side bar 1971 mm x1	 2075 1575 mm x1	 2076 1575 mm x1	 2089 619 mm x1	 2090 619 mm x1	 2091 175 mm x2

 2094 426 mm x1	 2096 619 mm x2	 2100 425 mm x2	 2101 Vertical bar 1963 mm x1	 5021 Door seal 1991 mm x2	 9101 Anchor leg 455 mm x2
 9103 125 mm x2	 9107 Anchor leg 455 mm x2	 9116 2544 mm x1	 9122 2205 mm x4	 9142 Base length 663 mm x1	 9143 Base length 663 mm x1
 9144 Anchor leg 455 mm x1	 9145 Anchor leg 455 mm x1				

Fixings and small parts

 1001 Bolt M6 × 12 x314	 1002 Nut M6 x321	 1003 Screw 3.5 × 16 x32	 1005 Bolt M6 × 40 x2	 1006 Screw 3.5 × 6 x24	 1007 Nut M4 x4
 1009 Washer Ø8/4 x4	 1011 Glazing spring clip 70 x492	 1012 Glass retaining clip 11 x148	 1014 Door glider 20 x4	 1015 Door roller Ø22 x4	 1017 End protector 46 x4
 1018 End protector 43.7 x8	 1019 Plastic cap 15 x4	 1304 Bolt M4 × 18 x4	 1310 Spacer 30.4 x2	 1500 Bolt M6 × 5 x2	 1515 Nut M6 x2
 2001 Corner bolt M6 × 12 x1	 2006 10 x2	 2007 Bolt M6 × 22 x4	 2016 Window fixer 40 x8	 2092 37 x6	 2093 56 x1
 5001 33 x1	 5002 33 x1	 6060 Washer Ø12/6 x2	 9002 Clip 19 x25	 9004 Washer Ø16/6.5 x8	 9105 50 x2



STEP 0

0

Foundation and steel base

Build your zinc-coated steel base first, then place it on a square, level foundation.

YOU NEED



1001
×26



1002
×26



9004
×8



9101
×2



9103
×2



9105
×2



9106
×2



9107
×2



9116
×1



9142
×1



9143
×1



9144
×1



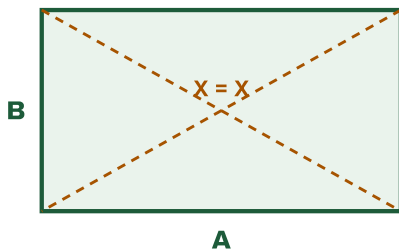
9145
×1



9146
×2



9122
×4



PHOENIX 11500

A 4420+70 mm

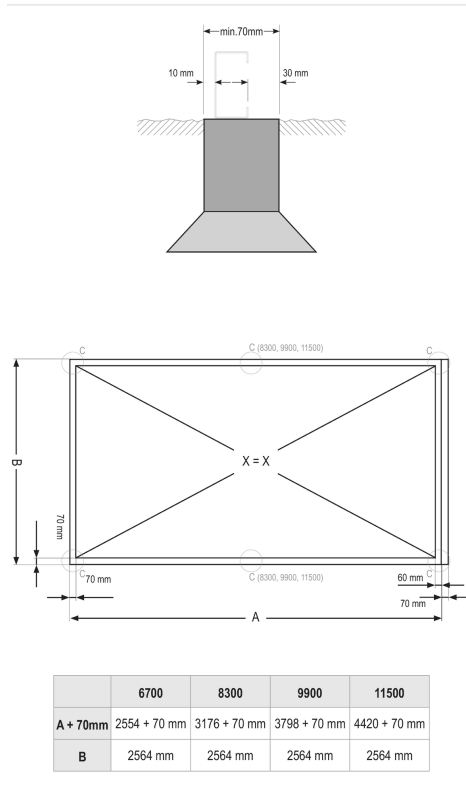
B 2564 mm

INSTALLER TIP

Check both diagonals twice before you put the steel base on the foundation. On a greenhouse this size, a small error at the base grows as you build.

WATCH OUT

Check the 1218 mm doorway gap before you continue. Make the base square and level, or the frame and glass will not fit correctly.



Vitavia drawing 0A. The circled numbers match the pictures below.

0.1

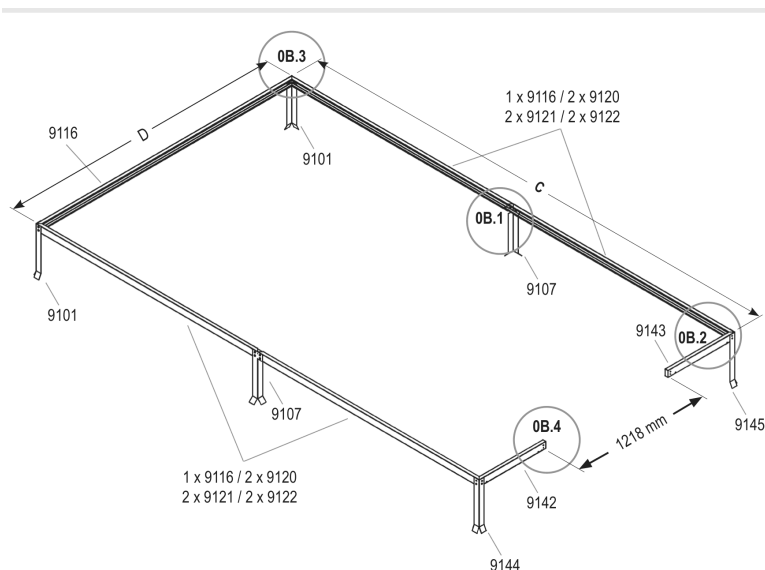
Make the base exactly square and level, with matching diagonal measurements, marked X = X. Take the foundations below frost level.

0.2

For stone or concrete foundations, follow sizes A and B, including the length plus 70 mm shown for A. Make the foundation at least 70 mm wide beneath the base.

0.3

Make anchor-leg holes at points C; the two middle points apply only to 8300, 9900 and 11500. Fill these holes with concrete only after you completely assemble the greenhouse.

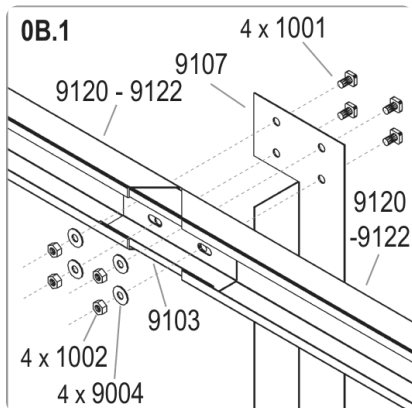


	6700	8300	9900	11500
C	2544 mm	3166 mm	3788 mm	4410 mm
D	2544 mm	2544 mm	2544 mm	2544 mm

Vitavia drawing OB. The circled numbers match the pictures below.

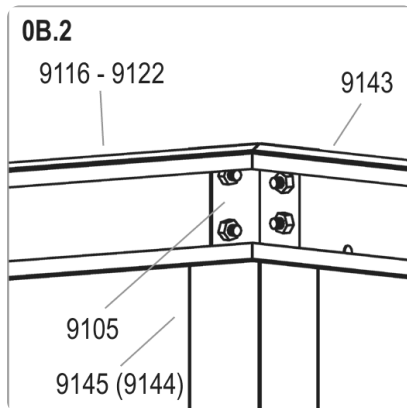
DO THIS NOW

Assemble the supplied zinc-coated steel base with bolts 1001 and nuts 1002 to sizes C and D. Use anchor legs 9101, 9107, 9144 and 9145, as the manufacturer recommends.



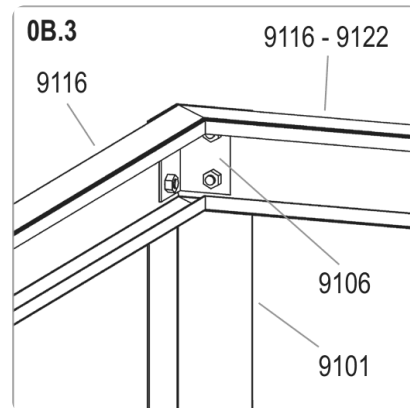
OB.1

For 8300, 9900 and 11500, join your long-side lengths (9120, 9121 or 9122) with connector 9103 and anchor leg 9107. Use 4 bolts 1001, 4 nuts 1002 and 4 washers 9004 at each joint.



OB.2

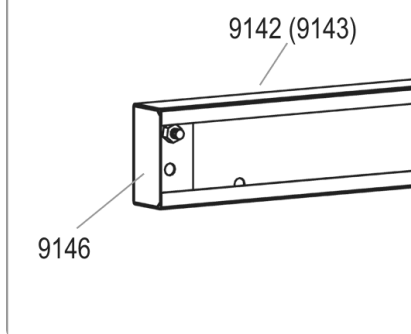
Join each long side to front base length 9143 with bracket 9105 and anchor leg 9145. At the other front corner, use front base length 9142 and anchor leg 9144.



OB.3

Join back length 9116 to each long side with bracket 9106 and anchor leg 9101, as shown.

0B.4



0B.4

Fit end piece 9146 into the open ends of front base lengths 9142 and 9143, as shown.

DO THIS NOW

Leave exactly 1218 mm between the inside ends of front base lengths 9142 and 9143 for the doorway.

DO THIS NOW

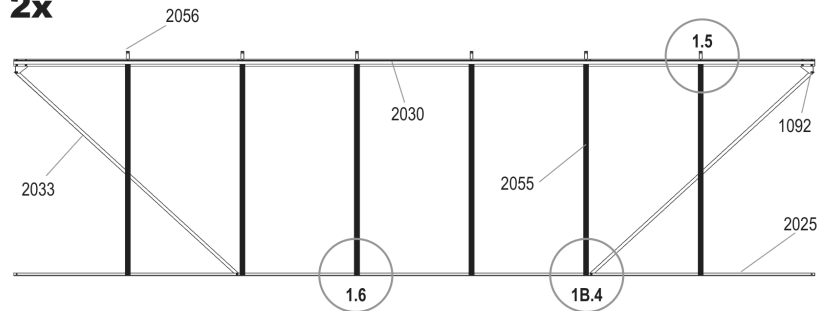
Bend anchor-leg ends and place the base; delay concrete until full assembly. Only on very windy, exposed sites, drill and bolt together the greenhouse bottom profile and steel base.

STEP 1

1

Build both side frames

Build two identical side frames flat on the ground, and leave every bolt loose.

YOU NEED**1001**
×60**1002**
×60**1092**
×4**2033**
×4**2055**
×12**2056**
×12**2092**
×4**2025**
×2**2030**
×2**11500**
2x

Vitavia drawing 1B. The circled numbers match the pictures below.

INSTALLER TIP

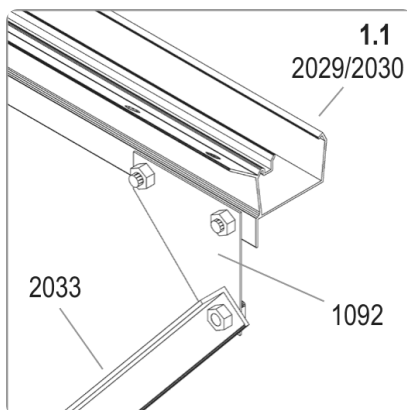
Lay the parts on a blanket or lawn to protect the finish. Leave every nut loose so the frames can flex during step 4.

WATCH OUT

Insert all extra bolts now. Once you close the bar ends, you cannot add them.

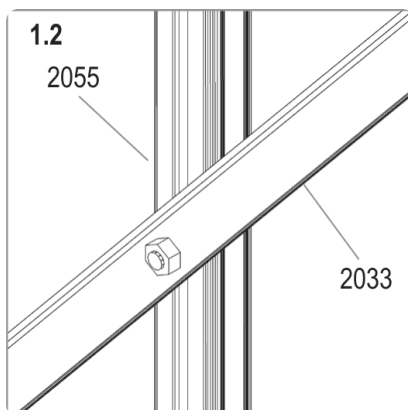
**Watch: Build the sides**

Scan with your phone camera. Vitavia video.



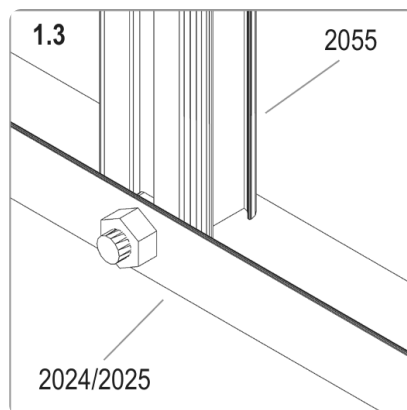
1.1

Loosely fit corner plate 1092 where your eave bar (2027, 2028, 2029 or 2030) meets cross brace 2033. Leave its bolts loose for the gable connections in step 4.



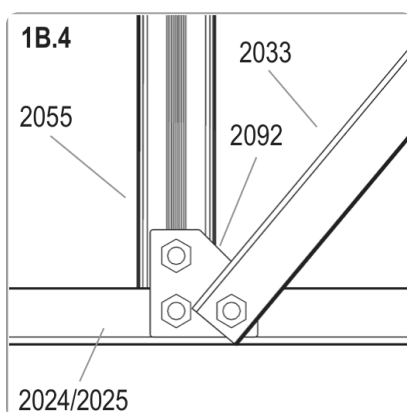
1.2

Insert one extra bolt into each outer bar 2055 for cross brace 2033 where it crosses the bar.



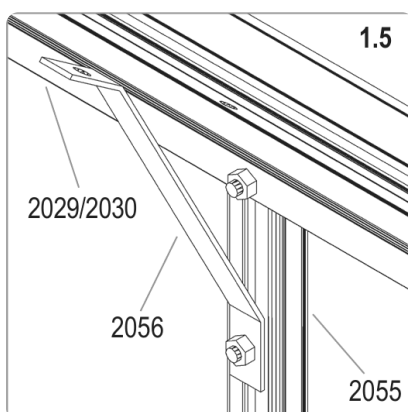
1.3

Bolt the bottom of each vertical bar 2055 to your sill bar (2022, 2023, 2024 or 2025).



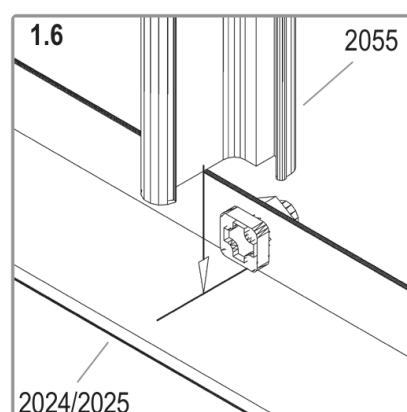
1B.4

For 8300, 9900 and 11500, join cross brace 2033 and vertical bar 2055 to your sill bar (2023, 2024 or 2025). Use plate 2092, as shown.



1.5

Insert an extra bolt into every vertical bar 2055 for corner brace 2056. This brace connects your eave bar (2027, 2028, 2029 or 2030) to the vertical bar later.



1.6 OUTSIDE VIEW

Insert the bolt into your sill bar (2022, 2023, 2024 or 2025) channel at the foot of vertical bar 2055. Follow the arrow in this outside view.

STEP 2

2

Build the back gable

Build the plain back gable flat on the ground, and leave every bolt loose.

YOU NEED



1001
×32



1002
×32



1043
×2



2022
×1



2033
×2



2035
×1



2036
×2



2039
×1



2040
×1



2041
×1



2042
×1



2054
×1



2091
×1



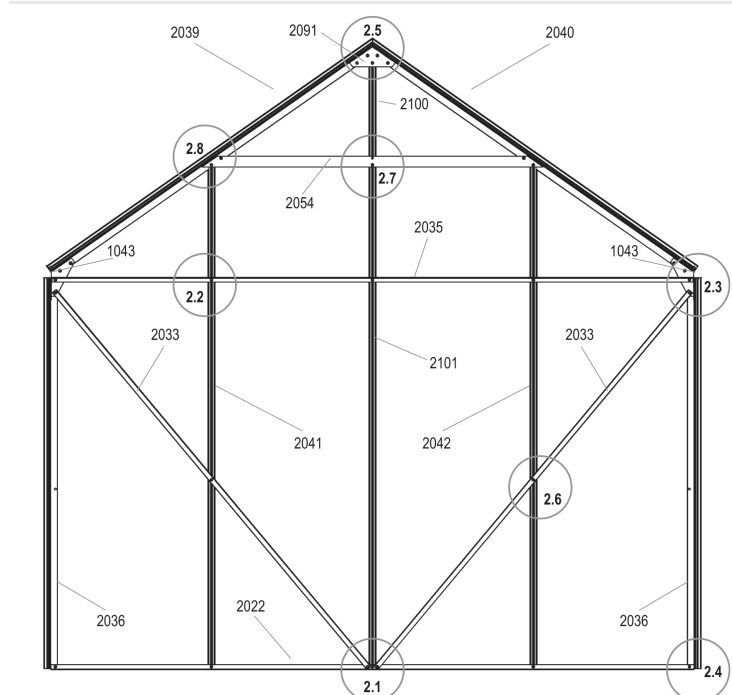
2093
×1



2100
×1



2101
×1



Vitavia drawing 2. The circled numbers match the pictures below.

INSTALLER TIP

Build from the bottom up. Slide each extra bolt into its channel before you fit the bar above it.

WATCH OUT

Insert the extra bolts now. Without them, you must take the gable apart to fit the cross braces in step 4.

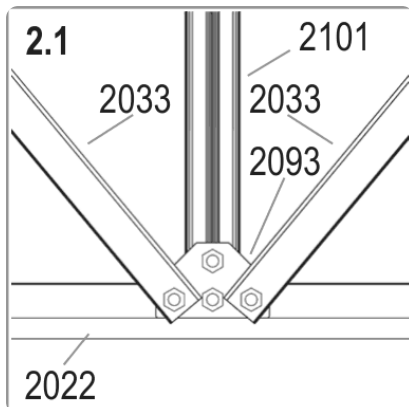


Watch: Rear gable end

Scan with your phone camera. Vitavia video.

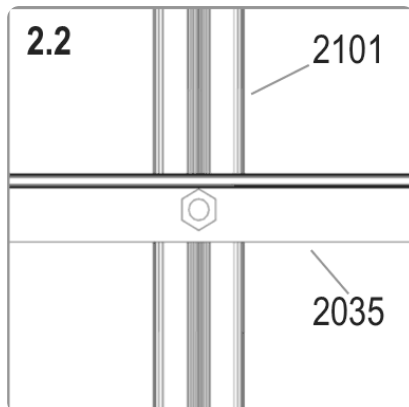
DO THIS NOW

Insert two extra bolts into each vertical bar 2041 and 2042 for the cross braces in 2.2 and 2.6. Insert only one extra bolt into vertical bar 2101.



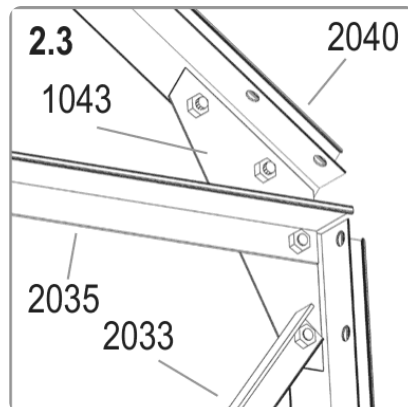
2.1

Join both cross braces 2033 and vertical bar 2101 to sill bar 2022 with plate 2093, as shown.



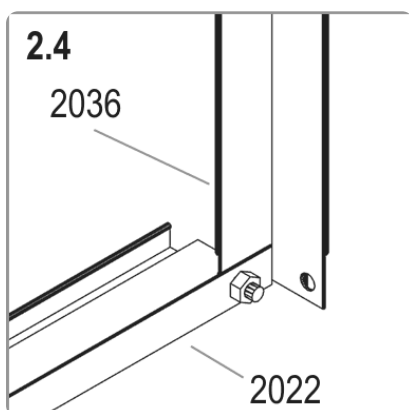
2.2

Bolt cross brace 2035 to vertical bar 2101, as shown.



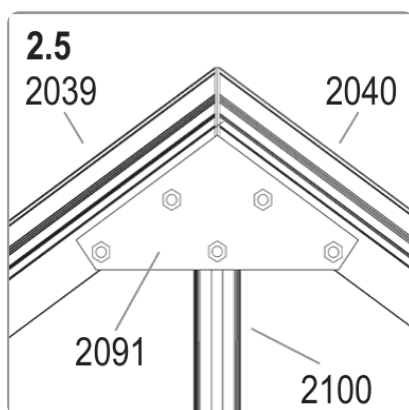
2.3

At each top corner, join your roof bar (2040 or 2039) and cross braces 2035 and 2033 with corner plate 1043.



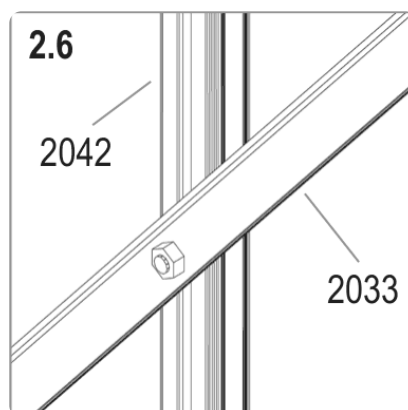
2.4

Bolt bar 2036 to sill bar 2022 at each bottom corner.



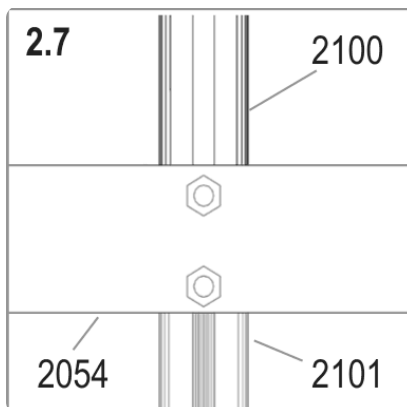
2.5

Join roof bars 2039 and 2040 to the top of upright 2100 with plate 2091.



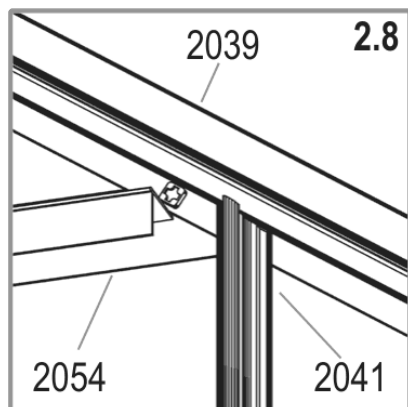
2.6

Bolt cross brace 2033 to vertical bar 2042 where they cross.



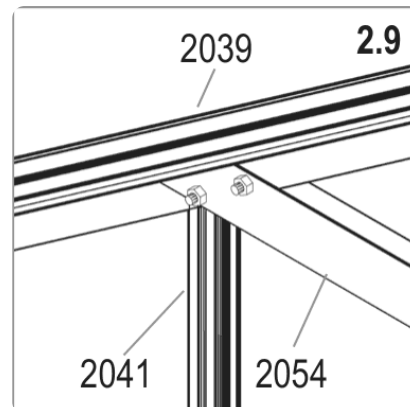
2.7

Join upright 2100 and vertical bar 2101 to horizontal bar 2054 with two bolts.



2.8 OUTSIDE VIEW

Join horizontal bar 2054 and vertical bar 2041 to roof bar 2039, as shown from outside.



2.9

Check the same joint from inside, and join horizontal bar 2054 and vertical bar 2041 beneath roof bar 2039.

STEP 3

3

Build the door gable

Build the front gable flat on the ground for your double sliding door, and leave every bolt loose.

YOU NEED


1001
×41

1002
×41

1043
×2

1347
×2

2036
×2

2039
×1

2040
×1

2041
×1

2042
×1

2048
×1

2060
×1

2061
×1

2075
×1

2076
×1

2089
×1

2090
×1

2091
×1

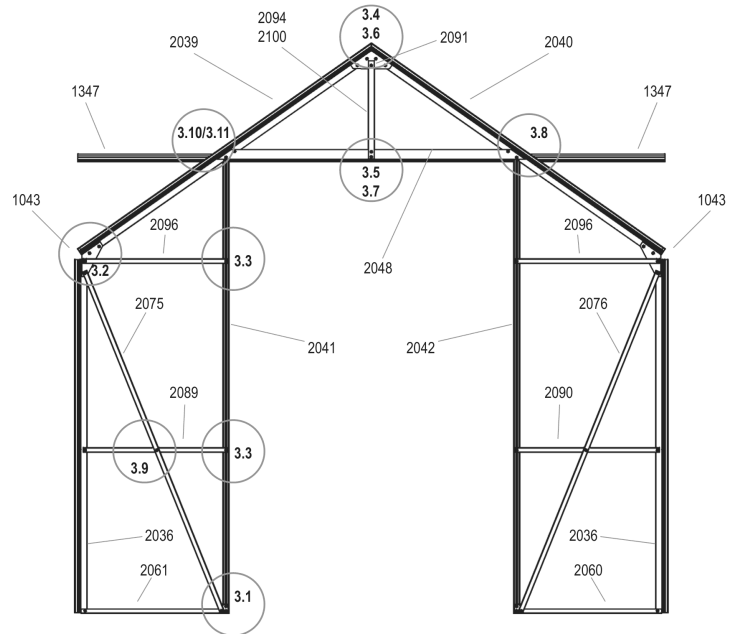
2092
×2

2094
×1

2096
×2

2100
×1

5001
×1

5002
×1


Vitavia drawing 3. The circled numbers match the pictures below.

INSTALLER TIP

Each door runner bar 1347 carries one of the two sliding doors.

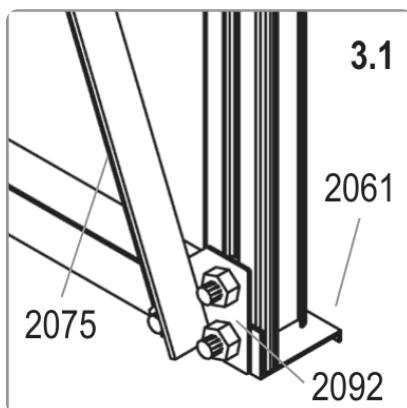
WATCH OUT

If parts will not line up, check for upside-down or reversed bars before you force anything.



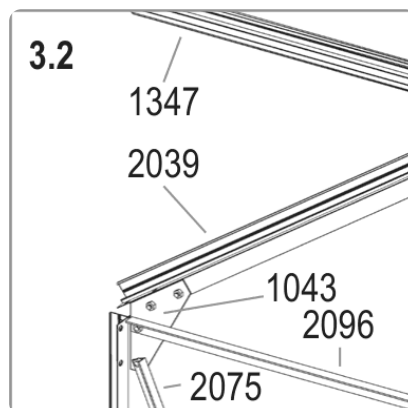
Watch: Door frame (front gable)

Scan with your phone camera. Vitavia video.



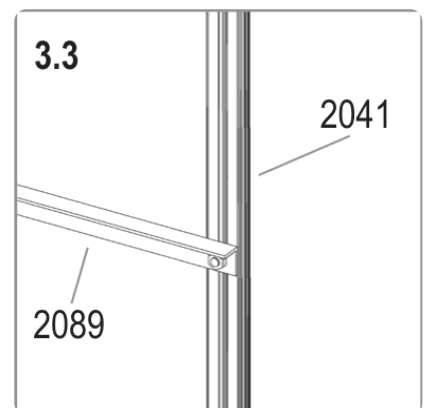
3.1

Join cross brace 2075 to base bar 2061 at the foot of door post 2041 with plate 2092. Fit one plate 2092 on each side of the doorway.



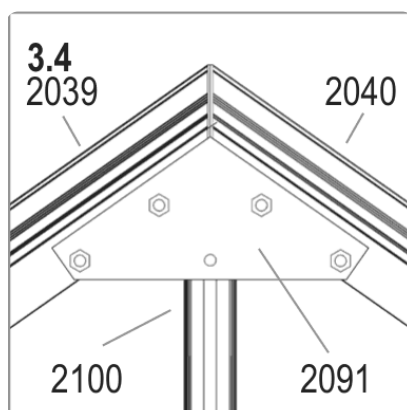
3.2

Join roof bar 2039, bar 2096 and cross brace 2075 with corner plate 1043 at each top corner. Position door runner bar 1347 above, as shown.



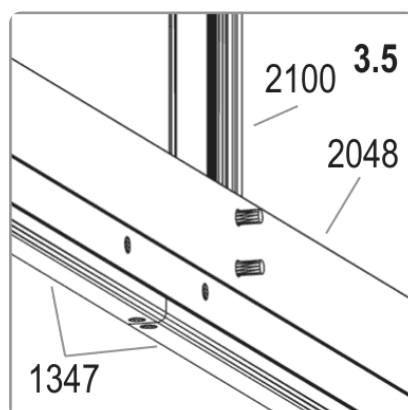
3.3

Bolt bar 2089 to door post 2041. Insert two extra bolts into each vertical bar 2041 and 2042.



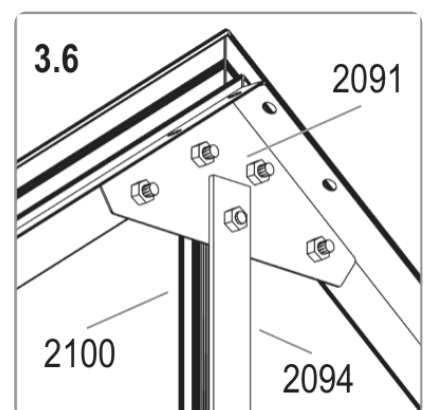
3.4

Join roof bars 2039 and 2040 to the top of upright 2100 with plate 2091.



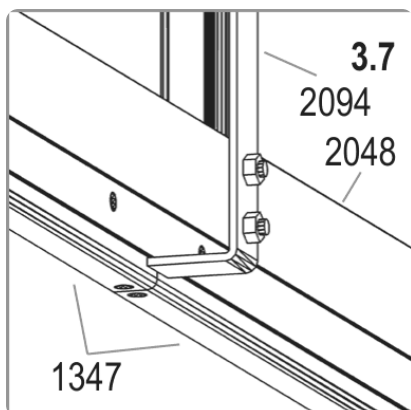
3.5

Join upright 2100 to horizontal bar 2048, with door runner bar 1347 below, as shown.



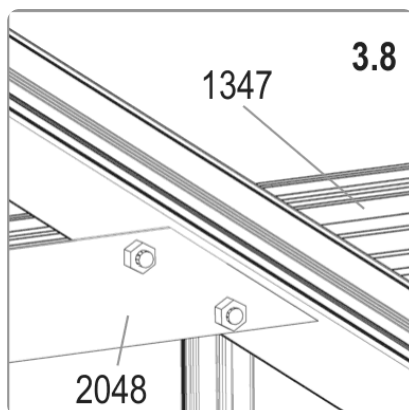
3.6

Join upright 2100 and bar 2094 with plate 2091, as shown.



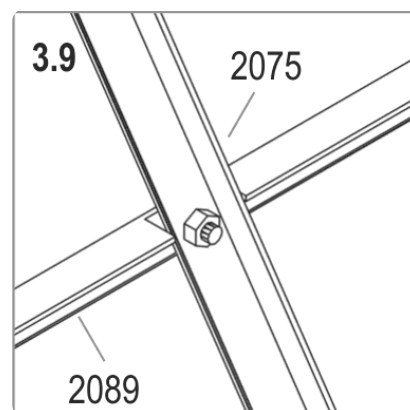
3.7

Bolt bar 2094 to horizontal bar 2048, with door runner bar 1347 below.



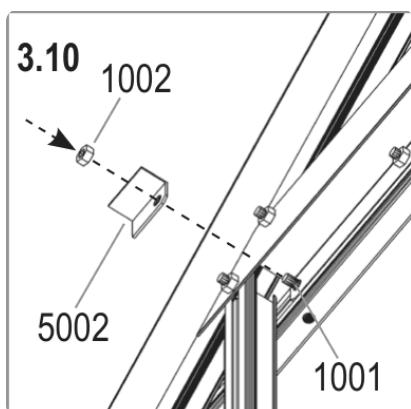
3.8

Join door runner bar 1347 to horizontal bar 2048, as shown.



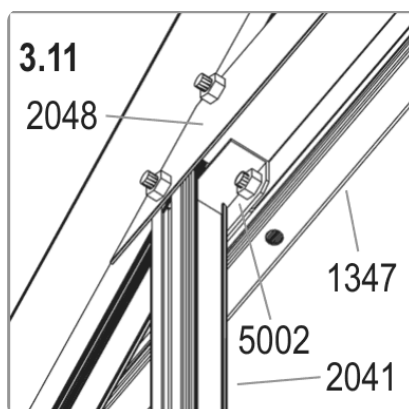
3.9

Bolt cross brace 2075 to bar 2089 where they cross.



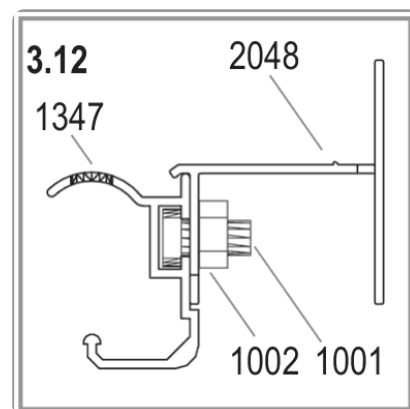
3.10

Fit part 5002 onto bolt 1001 and secure it with nut 1002, as the arrow shows.



3.11

Position part 5002 where door post 2041, horizontal bar 2048 and door runner bar 1347 meet. Connect parts 5001 and 5002 with a nut, as shown in 3.10 and 3.11.



3.12 OUTSIDE VIEW

Loosely connect each door runner bar 1347 to horizontal bar 2048 from outside, with three bolts and two nuts.

STEP 4

4

Join and square the frame

Work with another person to join the frames and lift the greenhouse onto the prepared steel base.

YOU NEED



1001
×106



1002
×112



1005
×2



1092
×8



1310
×2



2043
×2



2053
×1



6060
×2



1017
×4



1018
×8



2007
×4



2033
×4



2055
×12



2057
×6



2062
×1



9002
×25

INSTALLER TIP

Count the circled extra bolts on every roof bar before you fit any end protector. Use the counts for your greenhouse size.

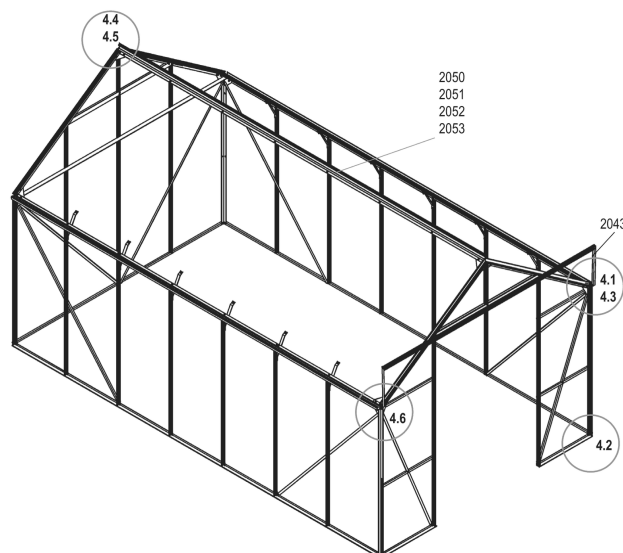
WATCH OUT

Keep all connections loose until the greenhouse is on its steel base and square. You cannot adjust the frame after you fit the glass.

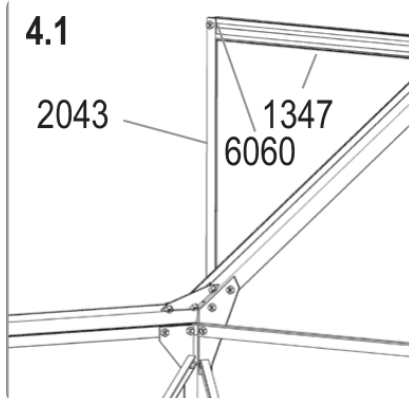


Watch: Front and roof bars

Scan with your phone camera. Vitavia video.

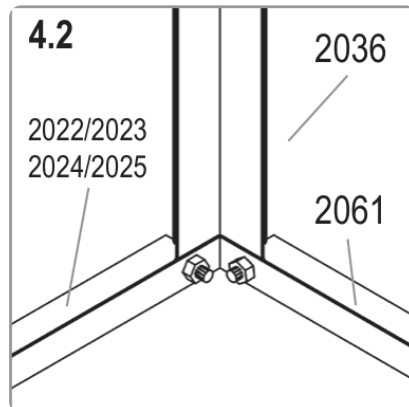


Vitavia drawing 4A. The circled numbers match the pictures below.



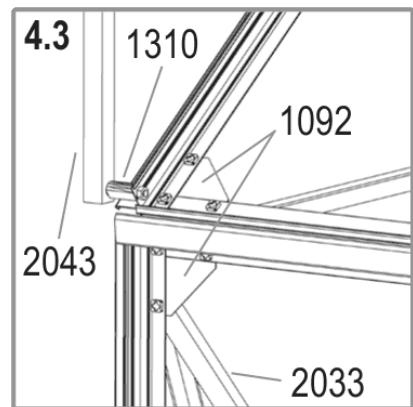
4.1

Bolt the side frames to the gable ends, as shown in 4.1 and 4.2. Connect door runner support 2043 to door runner bar 1347 with washer 6060.



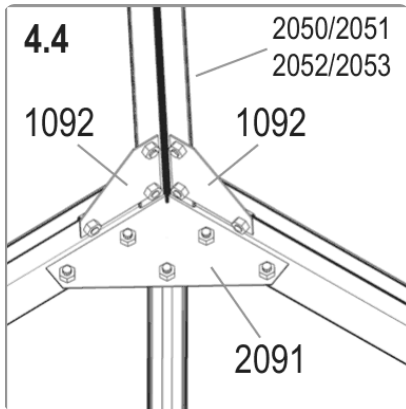
4.2

Join your sill bar (2022, 2023, 2024 or 2025) to bar 2036 and base bar 2061 at the bottom corners.



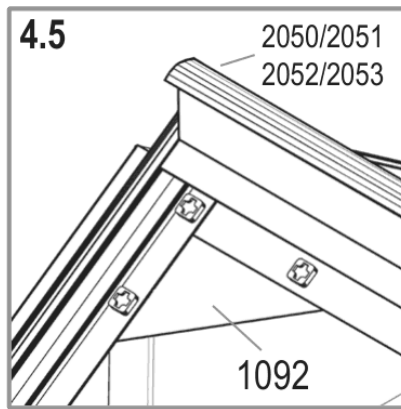
4.3 **OUTSIDE VIEW**

Loosely connect corner plate 1092 above the eaves. Position door runner support 2043 with spacer 1310 at this corner, as shown from outside.



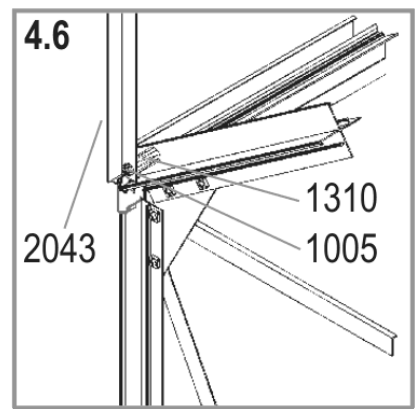
4.4

Fit your ridge bar (2050, 2051, 2052 or 2053). Fit corner plates 1092 at the gable peaks beside plate 2091.



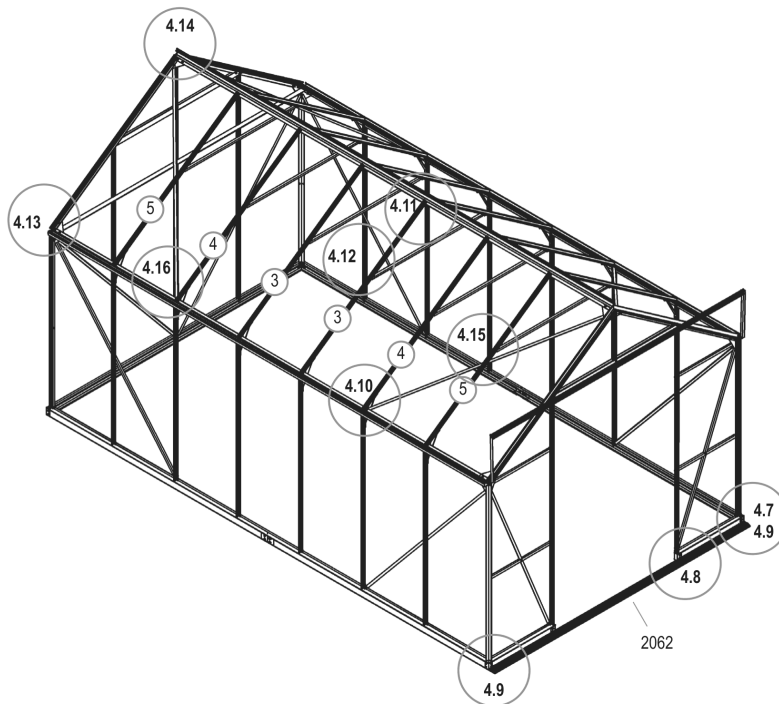
4.5 OUTSIDE VIEW

Fit corner plate 1092 beneath the ridge bar at the gable end, as shown from outside.

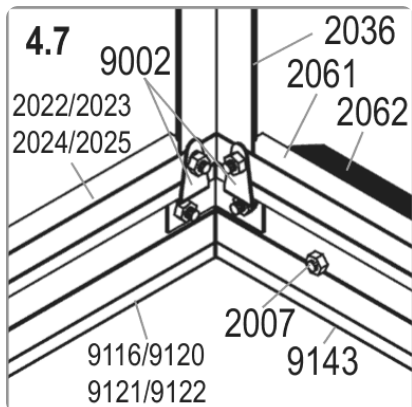


4.6 OUTSIDE VIEW

Fix door runner support 2043 to the gable end with bolt 1005 and spacer 1310.

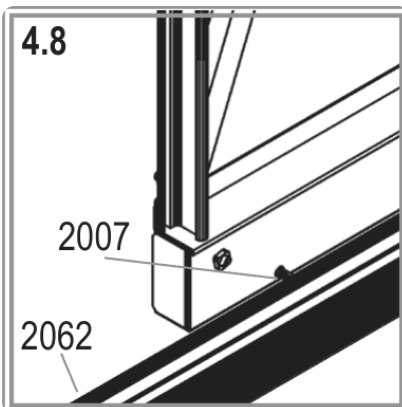


Vitavia drawing 4B. The circled numbers match the pictures below.



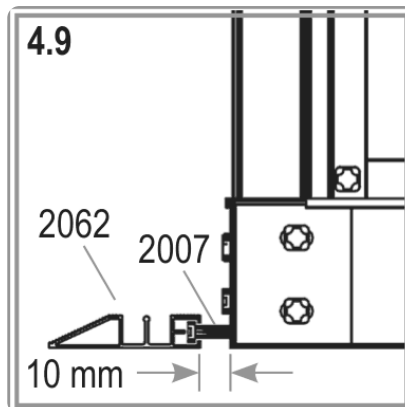
4.7

Lift the assembled frame onto the prepared steel base and connect it loosely with clips 9002.



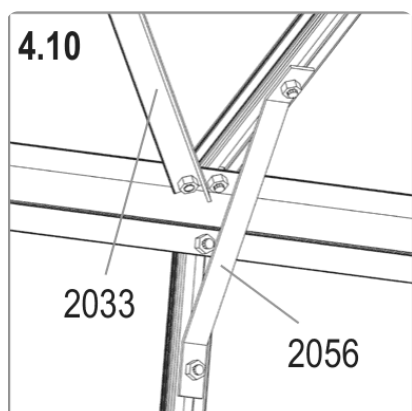
4.8 OUTSIDE VIEW

Slide bolts 2007 into bottom track 2062 and loosely connect it to front base lengths 9142 and 9143. Leave nuts 1002 inside the base loose until both doors are hung at 5.9.



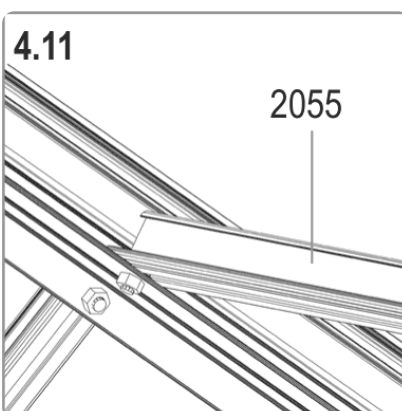
4.9 OUTSIDE VIEW

Position bottom track 2062 and bolt 2007 on the base to match the marked 10 mm measurement.



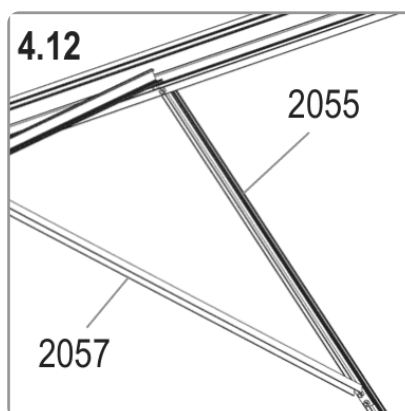
4.10

Bolt the lower end of each roof glazing bar 2055 at the eaves. Connect corner brace 2056 and cross brace 2033 here, as shown.



4.11

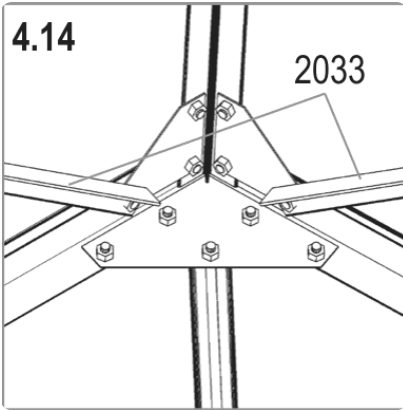
Bolt each roof glazing bar 2055 to the ridge and insert extra bolts according to your greenhouse size. Read circled bolt counts from both ends of each bar in the drawing.



4.12

Connect roof braces 2057 to roof glazing bars 2055.

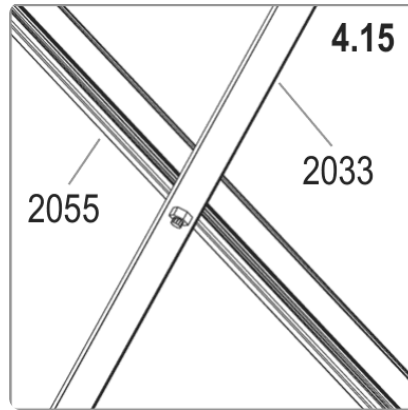
4.14



4.14

Connect cross braces 2033 at the gable peak, as shown.

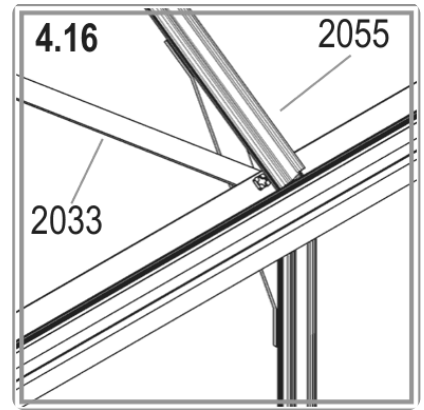
4.15



4.15

Bolt cross brace 2033 where it crosses roof glazing bar 2055.

4.16



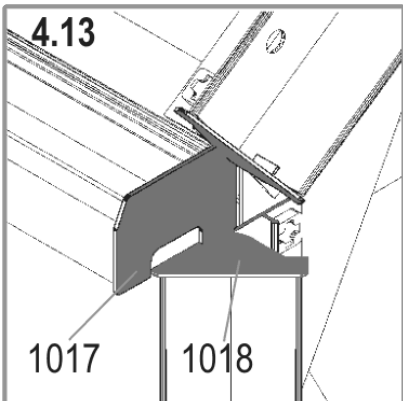
4.16 OUTSIDE VIEW

Connect cross brace 2033 to roof glazing bar 2055, as shown from outside.

DO THIS NOW

Adjust the greenhouse until it is completely square, then tighten all bolts to a maximum of 3 Nm. Do not overtighten.

4.13



4.13 OUTSIDE VIEW

Press end protectors 1017 and 1018 onto the open profile ends.

STEP 5L

5L**Fit the left-hand door**

Build and hang the left-hand door first.

YOU NEED**1001**

×2

**1002**

×2

**1003**

×16

**1007**

×2

**1009**

×2

**1014**

×2

**1015**

×2

**1304**

×2

**1359**

×1

**1360**

×1

**1361**

×2

**1362**

×1

**1500**

×1

**1515**

×1

**2005**

×1

**2006**

×2

**2063**

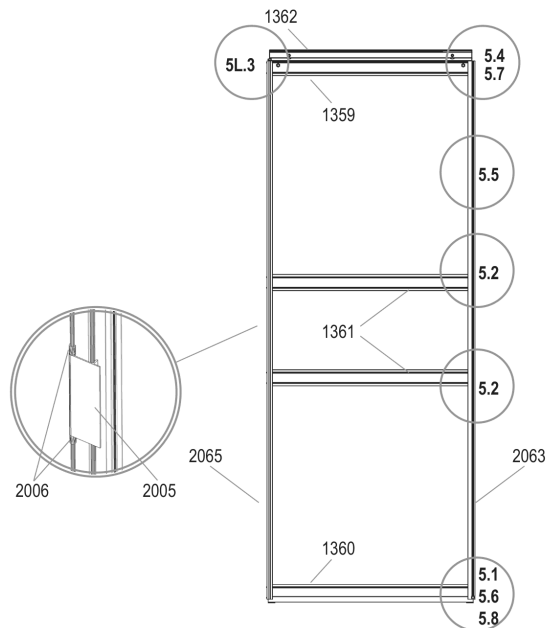
×1

**2065**

×1

**5021**

×1



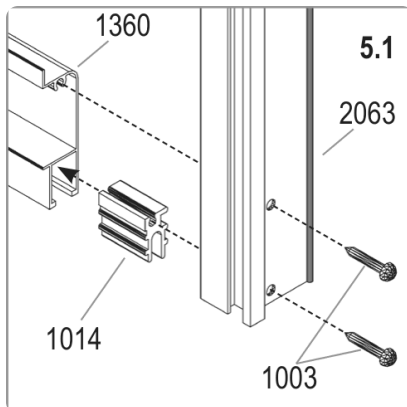
Vitavia drawing 5L. The circled numbers match the pictures below.

INSTALLER TIP

If the door binds or jumps its track, check that the frame is square before you force it.

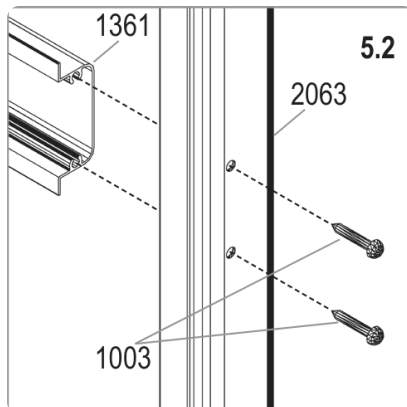
WATCH OUT

Never stand an assembled door on gliders 1014; this damages them. Use inside side bar 2065 for the left-hand door and 2064 for the right-hand door.



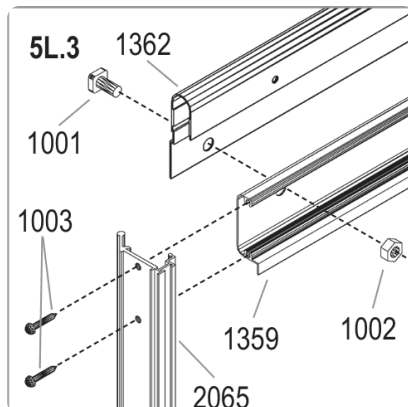
5.1

Push a door glider 1014 onto each end of door bar 1360. Screw it to door bar 2063 with screws 1003.



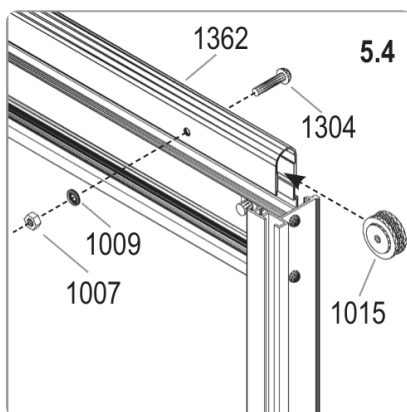
5.2

Screw middle bars 1361 to door bar 2063 with screws 1003.



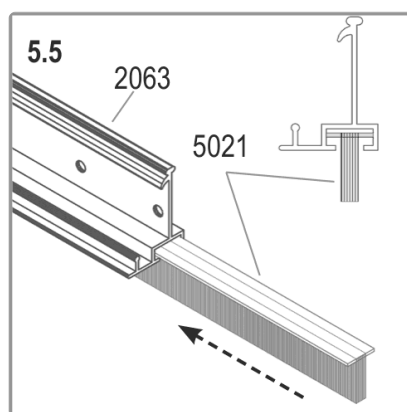
5L.3

Bolt door bar 1362 to upper bar 1359 with bolt 1001 and nut 1002. Screw inside side bar 2065 onto the left-hand door with screws 1003.



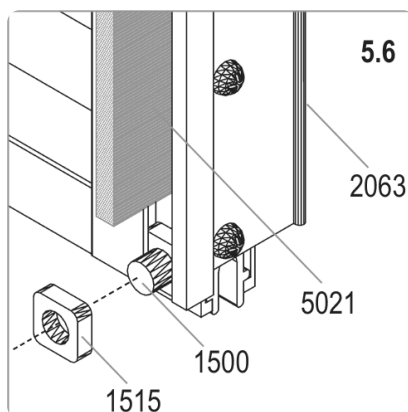
5.4

Fix the two door rollers 1015 to door bar 1362 with bolt 1304, washer 1009 and nut 1007.



5.5 OUTSIDE VIEW

Slide door seal 5021 into door bar 2063 and cut it to length.



5.6

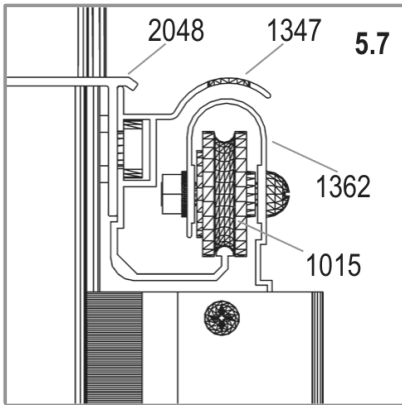
Slide bolt 1500 into the bottom of the channel for door seal 5021 and secure it with nut 1515.

DO THIS NOW

Fit parts 2005 and 2006 onto inside side bar 2065, as shown in the main door drawing.

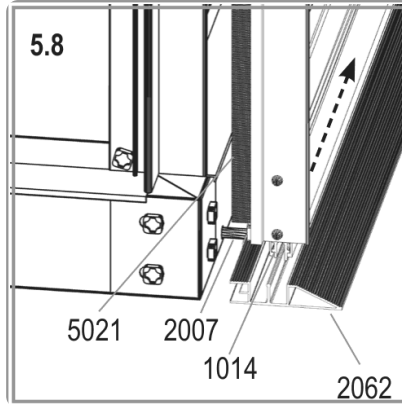
DO THIS NOW

Loosen door runner supports 2043 before you hang the door.



5.7 OUTSIDE VIEW

Lift the door and slide door rollers 1015 into door runner bar 1347.

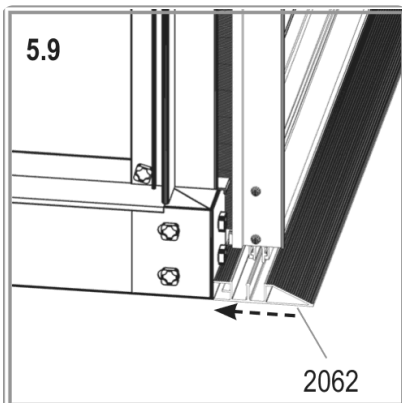


5.8 OUTSIDE VIEW

Check that door gliders 1014 also run on bottom track 2062.

DO THIS NOW

Reconnect door runner supports 2043.



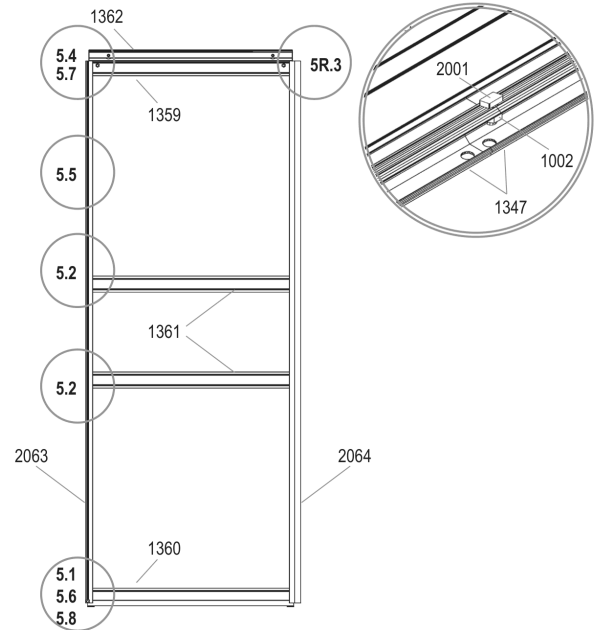
5.9 OUTSIDE VIEW

Leave nuts 1002 on bolts 2007 loose until both doors are hung. Tighten them in step 5R to pull bottom track 2062 against the base lengths.

STEP 5R

5R**Fit the right-hand door**

Build and hang the right-hand door, then adjust both doors together.

YOU NEED**1001**
×2**1002**
×3**1003**
×16**1007**
×2**1009**
×2**1014**
×2**1015**
×2**1304**
×2**1359**
×1**1360**
×1**1361**
×2**1362**
×1**1500**
×1**1515**
×1**2001**
×1**2063**
×1**2064**
×1**5021**
×1

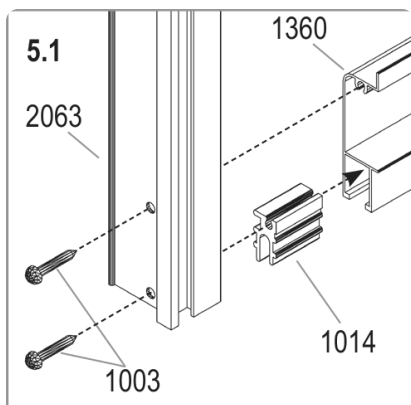
Vitavia drawing 5R. The circled numbers match the pictures below.

INSTALLER TIP

Hang this door the same way as the left-hand door. Adjust both together until they slide freely.

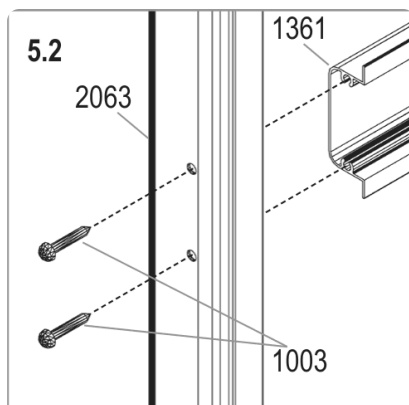
WATCH OUT

Never stand an assembled door on gliders 1014; this damages them.



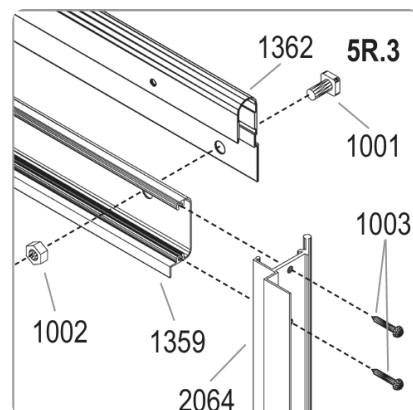
5.1

Push a door glider 1014 onto each end of door bar 1360. Screw it to door bar 2063 with screws 1003.



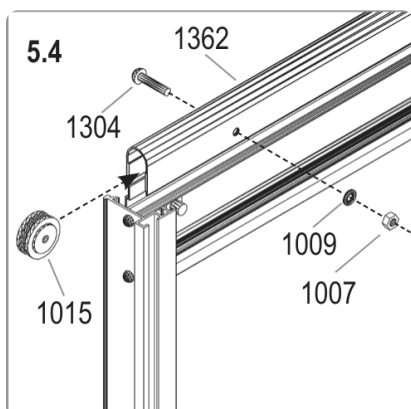
5.2

Screw middle bars 1361 to door bar 2063 with screws 1003.



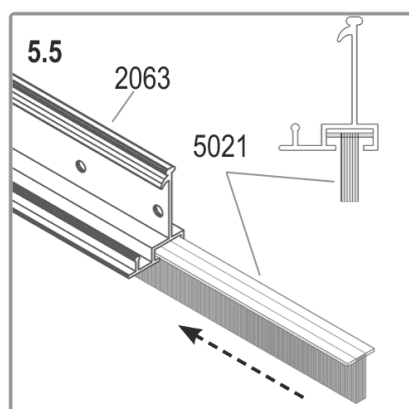
5R.3

Bolt door bar 1362 to upper bar 1359 with bolt 1001 and nut 1002. Screw inside side bar 2064 onto the right-hand door with screws 1003.



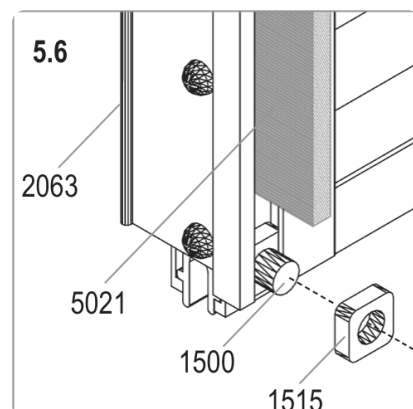
5.4

Fix the two door rollers 1015 to door bar 1362 with bolt 1304, washer 1009 and nut 1007.



5.5 OUTSIDE VIEW

Slide door seal 5021 into door bar 2063 and cut it to length.



5.6

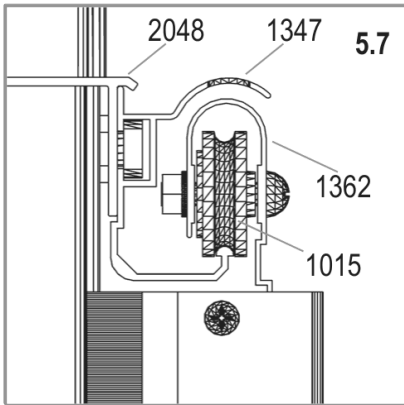
Slide bolt 1500 into the bottom of the channel for door seal 5021 and secure it with nut 1515.

DO THIS NOW

Join the two door runner bars 1347 with bolt 2001 and nut 1002, as the main drawing's circle shows.

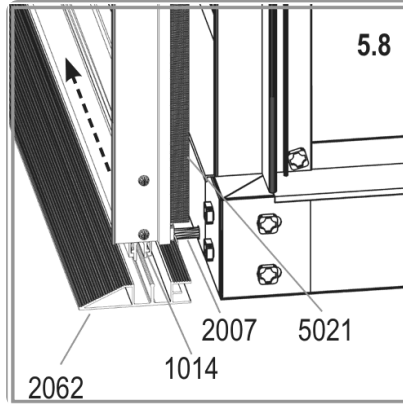
DO THIS NOW

Loosen door runner supports 2043 before you hang the door.



5.7 OUTSIDE VIEW

Lift the door and slide door rollers 1015 into door runner bar 1347.

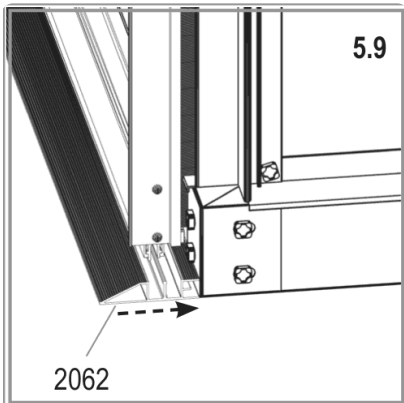


5.8 OUTSIDE VIEW

Check that door gliders 1014 also run on bottom track 2062.

DO THIS NOW

Reconnect door runner supports 2043.



5.9 OUTSIDE VIEW

With both doors hung, tighten nuts 1002 on bolts 2007 to pull bottom track 2062 against the base lengths.

DO THIS NOW

Adjust both doors until they move freely.

STEP 6

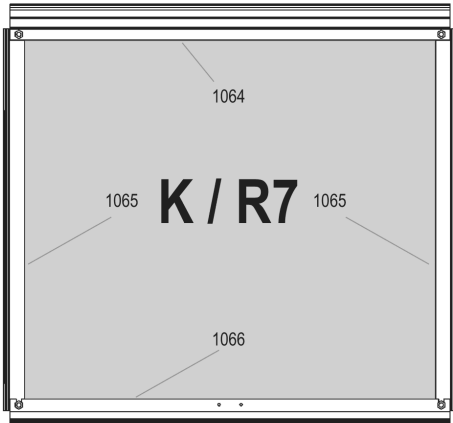
6

Build and fit roof vents

Build two vents for the 6700 or four for other sizes, each with one 600 × 544 mm pane.

YOU NEED

 1001 ×16	 1002 ×16
 1006 ×24	 1019 ×4
 1063 ×4	 1064 ×4
 1065 ×8	 1066 ×4
 1067 ×4	 2016 ×8



	Art. No.	mm	6700	8300	9900	11500
K / R7	369430 / 3679491	600 x 544	2x	4x	4x	4x

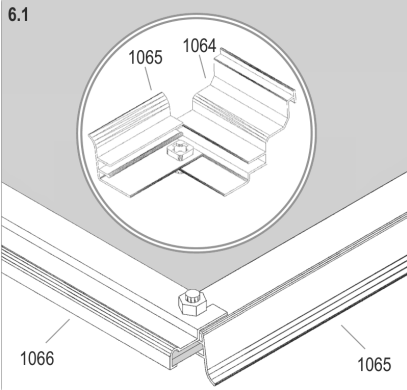
Vitavia drawing 6. The circled numbers match the pictures below.

INSTALLER TIP

Fit the slam bar, window sill 1063, flat edge up, with its grooved lip down towards the pane below. Recheck its position if that pane will not sit snugly.

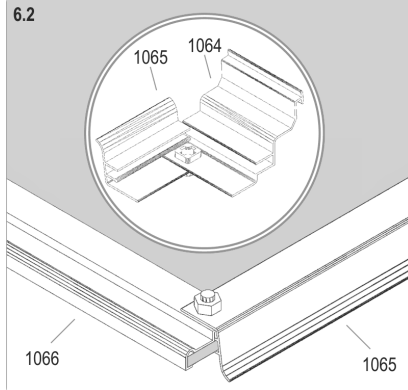


Watch: Build and fit the window
Scan with your phone camera. Vitavia video.



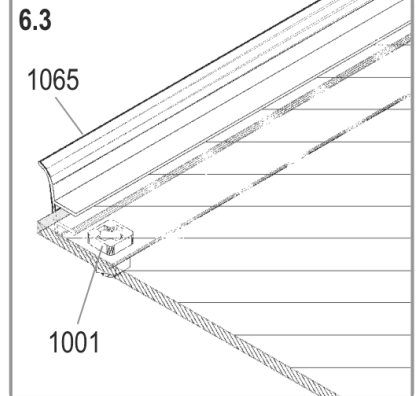
6.1

For panes up to 4 mm thick, join vent side bars 1065 and top bar 1064 as shown here.



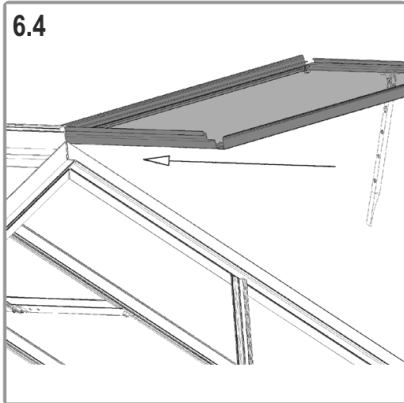
6.2

For panes 4 mm thick and over, join vent side bars 1065 and top bar 1064 as shown here instead.



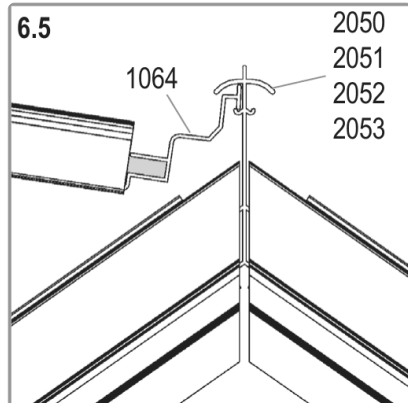
6.3 OUTSIDE VIEW

Insert bottom bar 1066 bolts into the prepared holes and slide the pane into side bar 1065 tracks. Fit bottom bar 1066, square the vent, then tighten all bolts.



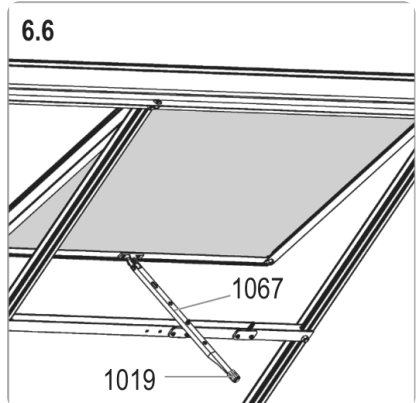
6.4 OUTSIDE VIEW

Hook the vent into the ridge bar from one end of the greenhouse.



6.5 OUTSIDE VIEW

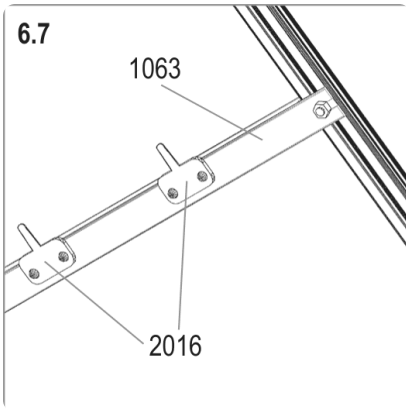
Hook vent top bar 1064 over your ridge bar (2050, 2051, 2052 or 2053), as shown.



6.6

Slide the vent to your chosen position. Push plastic cap 1019 onto the end of window opener 1067.

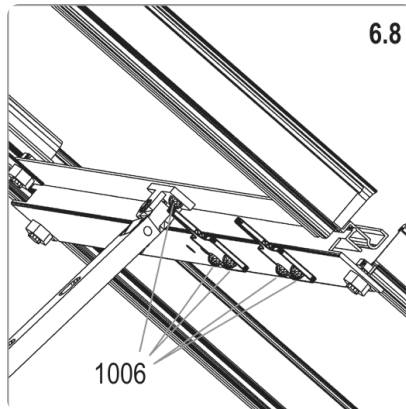
6.7



6.7

Fix window sill 1063 to the extra bolts in the roof bars. Fix both window fixers 2016 onto window sill 1063 with screws 1006.

6.8



6.8

Screw window opener 1067 to vent bottom bar 1066 with screws 1006.

7A

STEP 7A

Greenhouse Stores

Polycarbonate roof with glass sides

Follow this step only for a polycarbonate roof with glass sides and doors.

YOU NEED



1011
×464



1020
×1



1313
×4



1314
×14



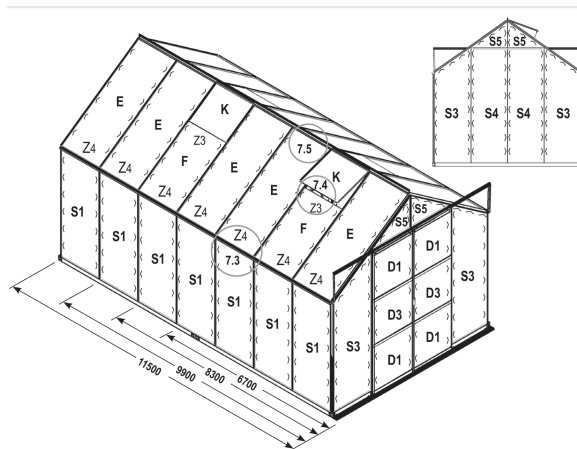
1317
×4



1318
×14



2399
×10



PC	Art. No.	6mm	mm (±3mm)	6700	8300	9900	11500
E	3694716		610 x 1521	6x	6x	8x	10x
F	3694781		610 x 981	2x	4x	4x	4x
K	369430 (4mm)		600 x 544	2x	4x	4x	4x
Total				10x	14x	16x	18x
Glass	Art. No.	3mm	mm				
D1	3679011		610 x 610	4x	4x	4x	4x
D3	3679971		610 x 588	2x	2x	2x	2x
S1	3678301		612 x 1506	8x	10x	12x	14x
S3	3678321		612 x 1959/1530	4x	4x	4x	4x
S4	3678331		612 x 1958	2x	2x	2x	2x
S5	3678341		612 x 430/3	4x	4x	4x	4x
Total				24x	26x	28x	30x

Vitavia drawing 7A. The circled numbers match the pictures below.

INSTALLER TIP

We recommend soaking the whole seal reel in hot soapy water so it presses on more easily. Check the layout if a pane looks too big; it usually belongs elsewhere.

WATCH OUT

Never force a pane; glass can crack. If it will not seat, correct the frame's squareness first.



Watch: Fitting the glazing rubber

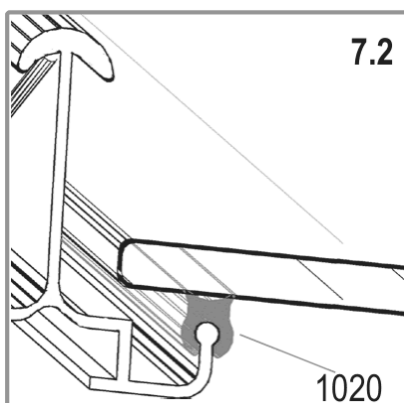
Scan with your phone camera. Vitavia video.

DO THIS NOW

Use this layout only for polycarbonate roof sheets E, F and K, with 3 mm glass sides and doors. Otherwise, follow 7B, 7C or 7D.

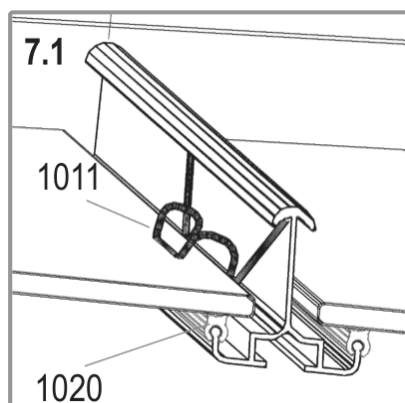
DO THIS NOW

Face the UV side outside; identify it by the film and edge printing. Remove film completely after fitting; sheets are slightly short for warm-weather expansion.



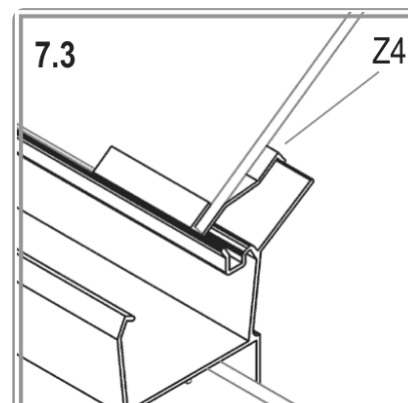
7.2 OUTSIDE VIEW

Press glazing seal 1020 onto the aluminium profiles and cut it to length.



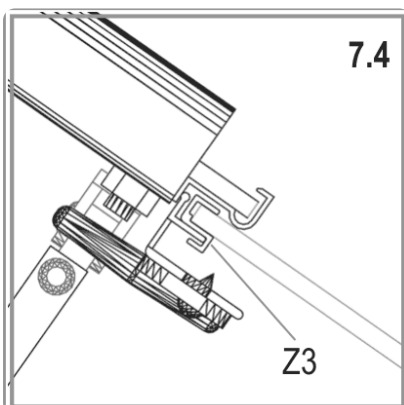
7.1 OUTSIDE VIEW

Fix glass panes and polycarbonate sheets with glazing spring clips 1011. Use the clip count shown for each pane in the layout drawing.



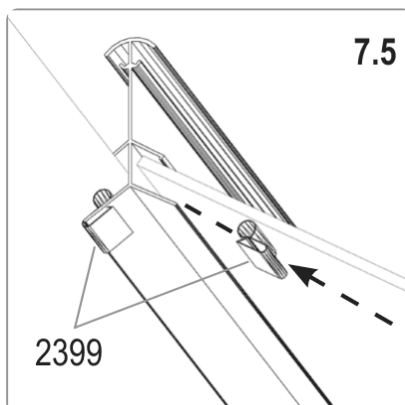
7.3 OUTSIDE VIEW

Connect each roof sheet to the aluminium profile at its middle with Z profile Z4 for extra stability. Use 1314 for 4 mm sheets or 1318 for 6 mm sheets.



7.4 OUTSIDE VIEW

Fit Z profile Z3 at roof vent pane K, as shown. Use 1313 for 4 mm sheets or 1317 for 6 mm sheets.



7.5

Push spacers 2399 onto the ridge bar, as shown.

DO THIS NOW

Fit side panes S1, S3, S4 and S5, and door panes D1 and D3, with spring clips 1011. Follow the layout drawing.

Polycarbonate sheets for this layout

PANE	SIZE (MM)	PHOENIX 11500
E	610 × 1521	10
F	610 × 981	4
K	(4mm) 600 × 544	4
Total		18

Glass panes for this layout

PANE	SIZE (MM)	PHOENIX 11500
D1	610 × 610	4
D3	610 × 588	2
S1	612 × 1506	14
S3	612 × 1959/1530	4
S4	612 × 1958	2
S5	612 × 430/3	4
Total		30

Pane letters and numbers match the glazing layout in the drawing above.

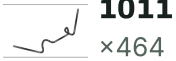
STEP 7B

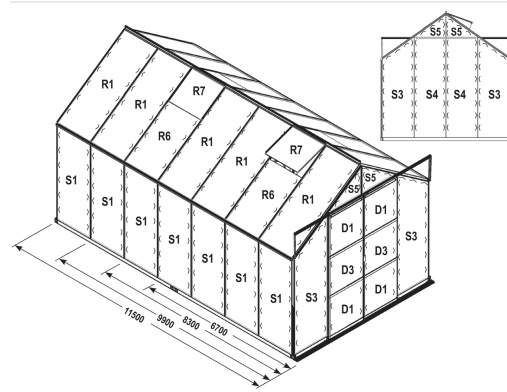
7B

Large 3 mm glass panes

Follow this step only for large 3 mm glass panes throughout, with no polycarbonate.

YOU NEED


1011
 ×464

1020
 ×1


Glass	Art. No. 3mm	mm	6700	8300	9900	11500
D1	3679011	610 x 610	4x	4x	4x	4x
D3	3679971	610 x 588	2x	2x	2x	2x
R1	3678231	612 x 1522	6x	6x	8x	10x
R6	3679681	612 x 962	2x	4x	4x	4x
R7	3679491	600 x 944	2x	4x	4x	4x
S1	3678301	612 x 1506	8x	10x	12x	14x
S3	3678321	612 x 1959/1530	4x	4x	4x	4x
S4	3678331	612 x 1958	2x	2x	2x	2x
S5	3678341	612 x 430/3	4x	4x	4x	4x
Total			34x	40x	44x	48x

Vitavia drawing 7B. The circled numbers match the pictures below.

INSTALLER TIP

We recommend soaking the whole seal reel in hot soapy water so it presses on more easily. Check the layout if a pane looks too big; it usually belongs elsewhere.

WATCH OUT

Never force a pane; glass can crack. If it will not seat, correct the frame's squareness first.



Watch: Fitting the glazing rubber

Scan with your phone camera. Vitavia video.

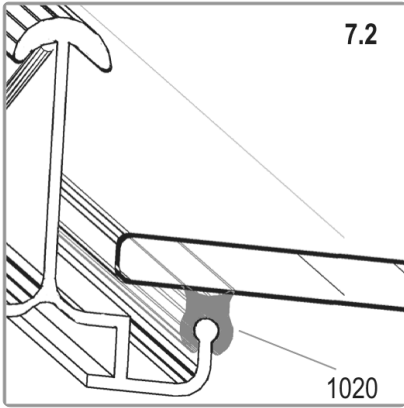


Watch: Glazing the roof with toughened glass

Scan with your phone camera. Vitavia video.

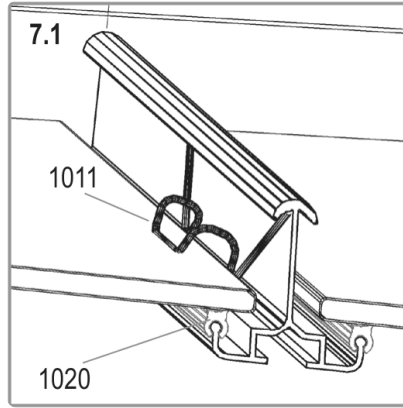
DO THIS NOW

Use this layout for roof panes R1, R6 and R7, sides S1, S3, S4, S5, and doors D1 and D3. Otherwise, follow 7A, 7C or 7D.



7.2 OUTSIDE VIEW

Press glazing seal 1020 onto the aluminium profiles and cut it to length.



7.1 OUTSIDE VIEW

Fix glass panes with glazing spring clips 1011. Use the clip count shown for each pane in the layout drawing.

DO THIS NOW

Glaze the roof first, then the sides, gables and doors, according to the layout drawing.

Glass panes for this layout

PANE	SIZE (MM)	PHOENIX 11500
D1	610 × 610	4
D3	610 × 588	2
R1	612 × 1522	10
R6	612 × 982	4
R7	600 × 544	4
S1	612 × 1506	14
S3	612 × 1959/1530	4
S4	612 × 1958	2
S5	612 × 430/3	4
Total		48

Pane letters and numbers match the glazing layout in the drawing above.

STEP 7C

Greenhouse Stores

7C

Small overlapping horticultural glass panes

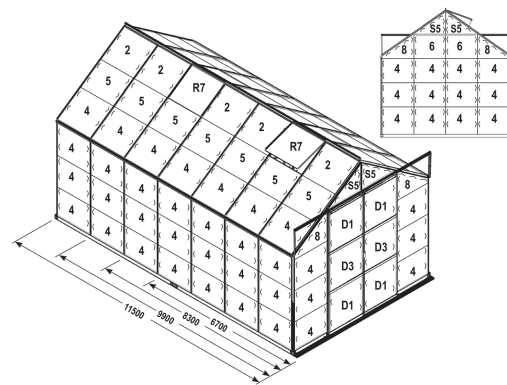
Follow this step only for small overlapping horticultural glass panes.

YOU NEED

 **1011**
×464

 **1012**
×140

 **1020**
×1



Glass	Art. No.	3mm	mm	6700	8300	9900	11500
2	3679412	610 x 549	6x	6x	8x	10x	
4	3679261	610 x 509	50x	58x	66x	74x	
5	3679271	610 x 487	8x	10x	12x	14x	
6	3679281	610 x 460	2x	2x	2x	2x	
8	3679291	610 x 468 / 44	4x	4x	4x	4x	
D1	3679011	610 x 610	4x	4x	4x	4x	
D3	3679971	610 x 588	2x	2x	2x	2x	
R7	3679491	600 x 544	2x	4x	4x	4x	
S5	3678341	610 x 430/3	4x	4x	4x	4x	
Total				82x	94x	106x	118x

Vitavia drawing 7C. The circled numbers match the pictures below.

INSTALLER TIP

We recommend soaking the whole seal reel in hot soapy water so it presses on more easily. Check the layout if a pane looks too big; it usually belongs elsewhere.

WATCH OUT

Never force a pane; glass can crack. If it will not seat, correct the frame's squareness first.



Watch: Fitting the glazing rubber

Scan with your phone camera. Vitavia video.

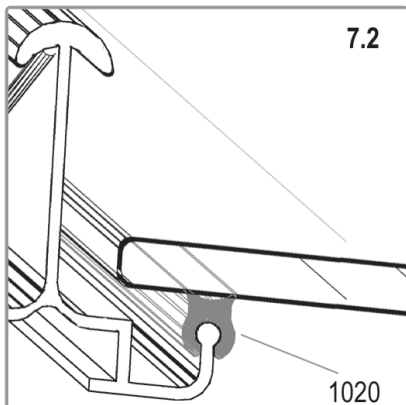


Watch: Glazing with horticultural glass

Scan with your phone camera. Vitavia video.

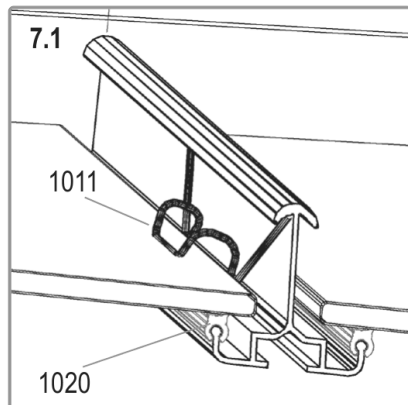
DO THIS NOW

Match your panes to types 2, 4, 5, 6, 8, D1, D3, R7 and S5 in this overlapping-glass layout. Otherwise, follow 7A, 7B or 7D.



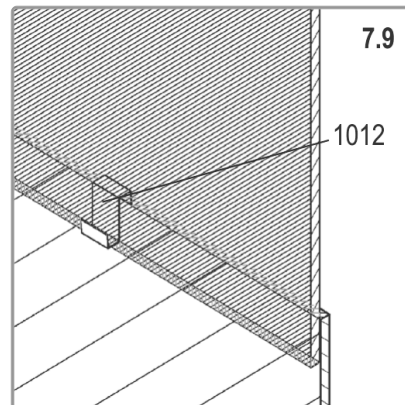
7.2 OUTSIDE VIEW

Press glazing seal 1020 onto the aluminium profiles and cut it to length.



7.1 OUTSIDE VIEW

Start the roof at the eave. Put the first pane in place and secure it with glazing spring clips 1011.



7.9 OUTSIDE VIEW

Overlap each following pane over the pane directly below it. Hold it with glass retaining clips 1012 between the panes.

DO THIS NOW

Start the side glazing at the bottom and work upwards.

Glass panes for this layout

PANE	SIZE (MM)	PHOENIX 11500
2	610 × 549	10
4	610 × 509	74
5	610 × 487	14
6	610 × 460	2
8	610 × 468 / 44	4
D1	610 × 610	4
D3	610 × 588	2
R7	600 × 544	4
S5	610 × 430/3	4
Total		118

Pane letters and numbers match the glazing layout in the drawing above.

7D

STEP 7D

Polycarbonate all round

Follow this step only for 4 mm or 6 mm polycarbonate throughout.

YOU NEED
 **1011**
×464

 **1020**
×1

 **1311**
×20

 **1312**
×14

 **1313**
×16

 **1314**
×14

 **1315**
×20

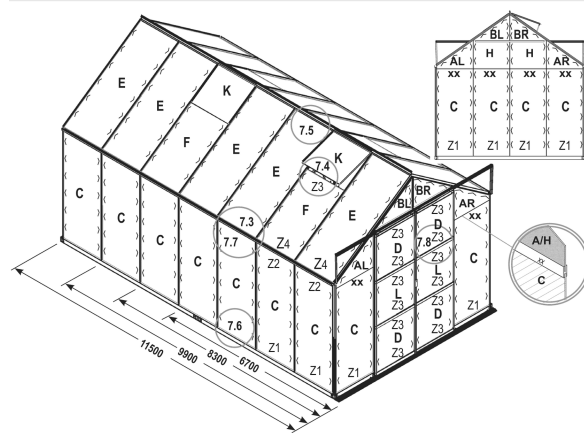
 **1316**
×14

 **1317**
×16

 **1318**
×14

 **2399**
×10

 **24674**
×6

 **24686**
×6


PC	Art. No. 4 mm	Art. No. 6 mm	mm (±3mm)	6700	8300	9900	11500
AL	369860	369930	610 x 25 / 452	2x	2x	2x	2x
AR	369861	369931	610 x 452 / 25	2x	2x	2x	2x
BR	369474R	3694741R	610 x 428 / 2	2x	2x	2x	2x
BL	369474L	3694741L	610 x 2 / 428	2x	2x	2x	2x
C	369471	3694711	610 x 1505	14x	16x	18x	20x
D	369426	3694261	610 x 610	4x	4x	4x	4x
E	3694714	3694716	610 x 1521	6x	6x	8x	10x
F	369478	3694781	610 x 981	2x	4x	4x	4x
H	369862	369932	610 x 445	2x	2x	2x	2x
K	369430	369430 (4mm)	600 x 544	2x	4x	4x	4x
L	369495	3694951	610 x 586	2x	2x	2x	2x
Total				40x	46x	50x	54x

Vitavia drawing 7D. The circled numbers match the pictures below.

INSTALLER TIP

We recommend soaking the whole reel of glazing seal in hot soapy water first. This softens it so it presses on more easily.

WATCH OUT

Keep the protective film on until each sheet is fitted, then remove it completely. Check that the UV side faces outside.

**Watch: Fitting the glazing rubber**

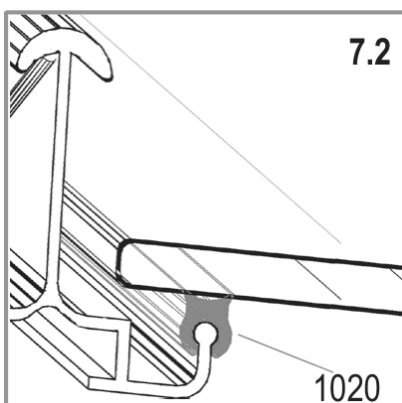
Scan with your phone camera. Vitavia video.

DO THIS NOW

Use this layout only for polycarbonate throughout, with sheets AL, AR, BL, BR, C, D, E, F, H, K and L. Otherwise, follow 7A, 7B or 7C.

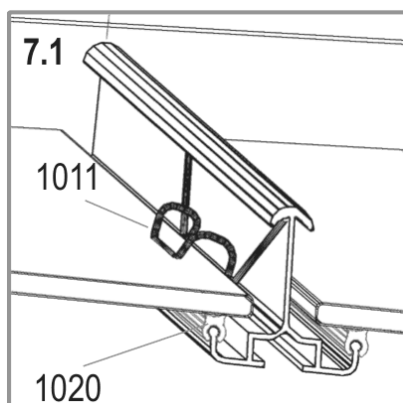
DO THIS NOW

Face the UV side outside; identify it by the film and edge printing. Remove film completely after fitting; sheets are slightly short for warm-weather expansion.



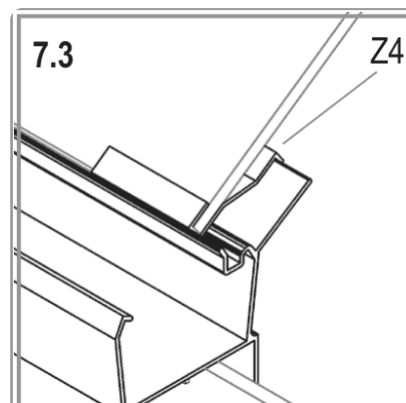
7.2 OUTSIDE VIEW

Press glazing seal 1020 onto the aluminium profiles and cut it to length.



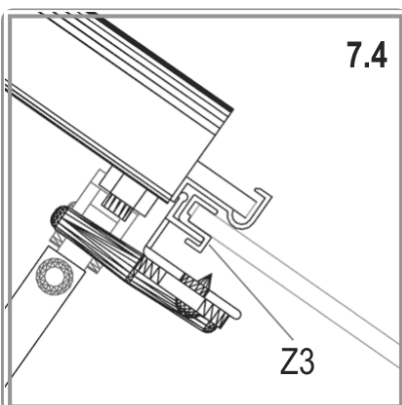
7.1 OUTSIDE VIEW

Fix polycarbonate sheets with glazing spring clips 1011. Use the clip count shown for each sheet in the layout drawing.



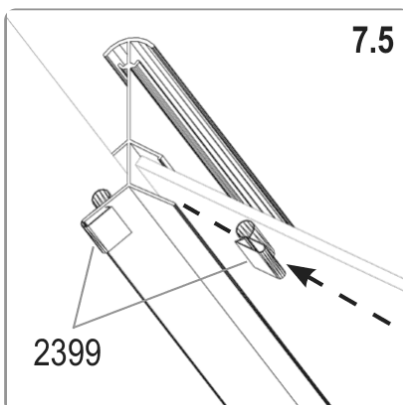
7.3 OUTSIDE VIEW

Connect each roof sheet to the aluminium profile at its middle with Z profile Z4 for extra stability. Use 1314 for 4 mm sheets or 1318 for 6 mm sheets.



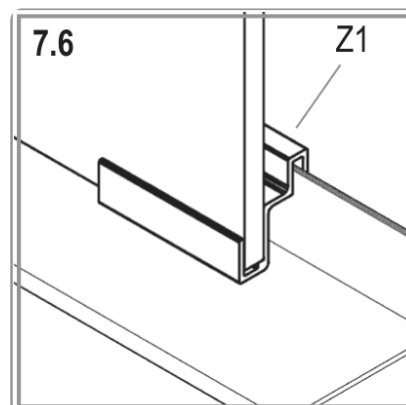
7.4 OUTSIDE VIEW

Fit Z profile Z3 at roof vent pane K, as shown. Use 1313 for 4 mm sheets or 1317 for 6 mm sheets.



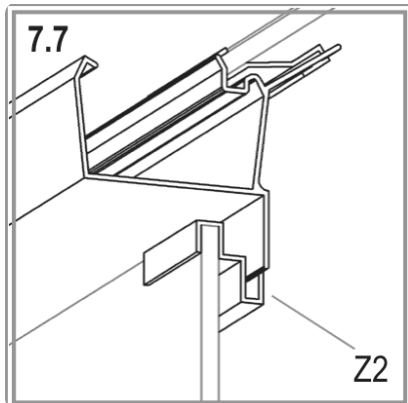
7.5

Push spacers 2399 onto the ridge bar, as shown.



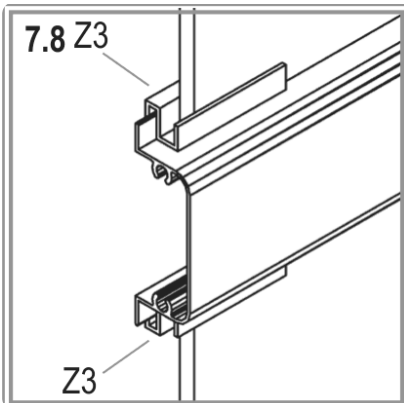
7.6 OUTSIDE VIEW

Fit Z profile Z1 where the layout drawing shows it. Use 1311 for 4 mm sheets or 1315 for 6 mm sheets.



7.7 OUTSIDE VIEW

Fit Z profile Z2 where the layout drawing shows it. Use 1312 for 4 mm sheets or 1316 for 6 mm sheets.



7.8 OUTSIDE VIEW

Fit Z profiles Z3 onto door sheets D and L, as shown. Use 1313 for 4 mm sheets or 1317 for 6 mm sheets.

DO THIS NOW

Fit gable sheets AL, AR and H above sheets C, with an xx profile between them, as circled. Use 24674 for 4 mm sheets or 24686 for 6 mm sheets.

Polycarbonate sheets for this layout

PANE	SIZE (MM)	PHOENIX 11500
AL	610 × 25 / 452	2
	610 × 452 / 25	2
C	610 × 1505	20
	610 610	4
E	610 × 1521	10
F	610 × 981	4
H	610 × 445	2
K	(4mm) 600 × 544	4
L	610 × 586	2
Total		54

Pane letters and numbers match the glazing layout in the drawing above.

Finish and look after it

Finish

- ☐ Fill the holes for the anchor legs with concrete.

- ☐ Also fix the steel base to the foundation with screws and wall plugs (not supplied). Use both concrete and screws, as the manufacturer requires.

- ☐ If you wish, seal the edges with neutral silicone (not supplied).

- ☐ Stick the warning label inside the greenhouse.

- ☐ Stick the greenhouse model label onto door bar 1362. You will need it to order spare parts.

- ☐ Keep this guide somewhere safe.

Looking after it

- ☐ Shut all doors and vents in high winds.

- ☐ Clear the roof or support it in heavy snow. Heat the greenhouse in winter.

- ☐ Wash the greenhouse occasionally with a mild detergent that does not attack aluminium or the glass fixing clips.

- ☐ Keep the upper and lower door tracks clean to prevent grit build-up.

- ☐ Add the greenhouse to your home insurance and check local building rules about its position.

Drawings reproduced from the Vitavia assembly instructions (Vitavia manual 060.01.1511 (Phoenix)). Greenhouse Stores, greenhousetores.co.uk.