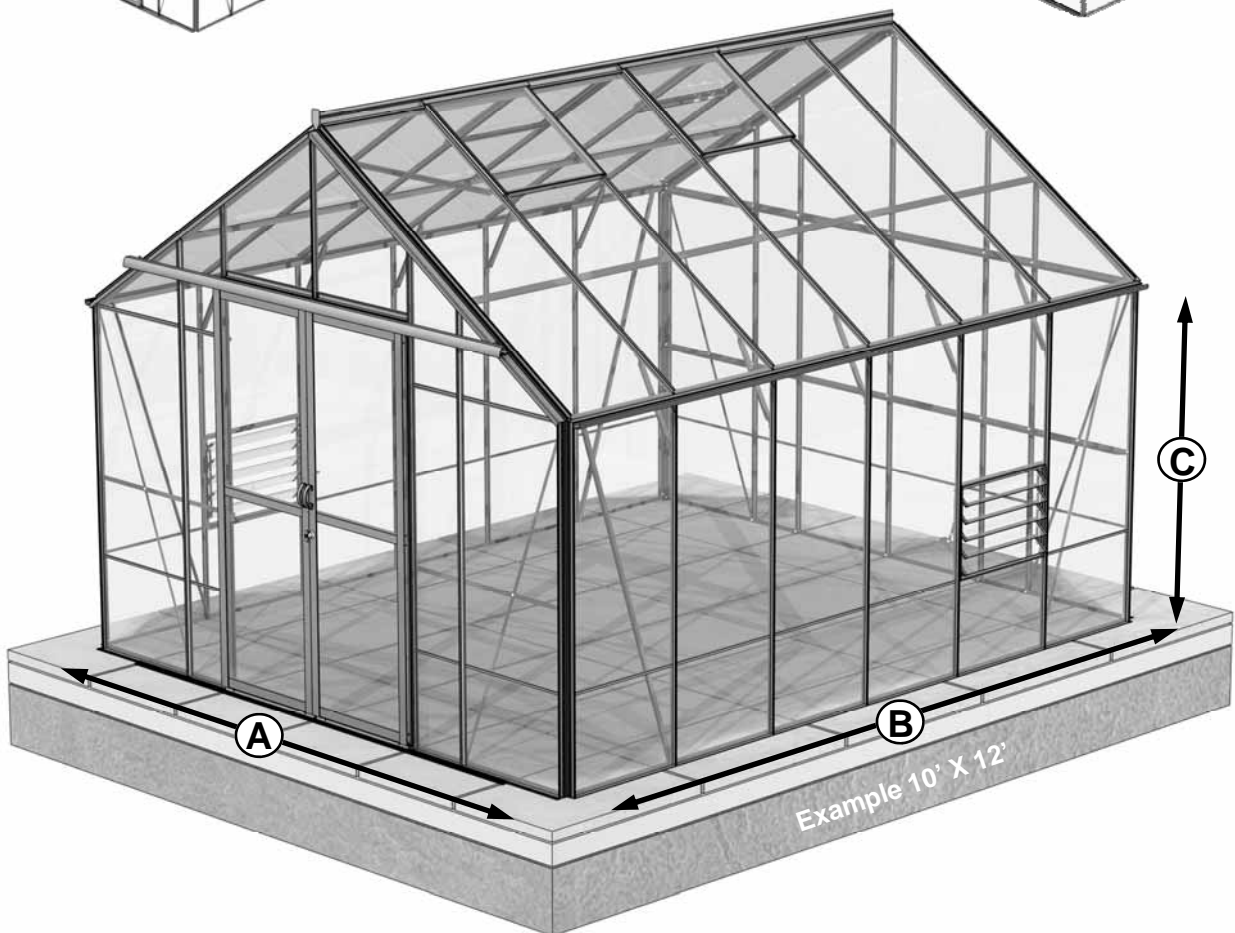


Model HE-NAS

10ft Wide



Size Range	A (mm)	B (mm)	C (mm)
10'5" x 6'8"	3212	2036	1670
10'5" x 8'8"		2656	
10'5" x 10'9"		3276	
10'5" x 12'9"		3896	

Issue 7



Thank you for purchasing your new Hercules greenhouse. We recommend you familiarise yourself with the instructions and read all safety information before you commence assembly. This instruction manual is also available online at www.greenhousepeople.co.uk in our technical help section should you need to reprint it. Should you require any additional advice you can always call us on 01782 388811.

IMPORTANT: PLEASE BE AWARE THAT THE YOUR GLAZING BARS (e.g. 916) / CORNER GLAZING BARS (e.g. 915) ALL NEED TO HAVE RUBBER INSERTED INTO THEM BEFORE FRAME CONSTRUCTION CAN COMMENCE.

Safety Warning

- Glass and aluminium can potentially cause injury. Please ensure you wear protective goggles, gloves, headgear and suitable footwear when assembling and glazing the building.
- Please remember that glass is fragile and should be handled with extreme care. Always clear up and dispose of any breakages immediately.
- Do not assemble the greenhouse in high winds.
- For safety reasons and ease of assembly, we recommend that this greenhouse is assembled by a minimum of two people.
- Please clear all lying snow from the greenhouse roof as it can cause the roof to buckle or collapse.

Site Preparation

- When selecting a site for your greenhouse, it is vital that you choose as flat and level an area as possible.
- A concrete or slabbed base will provide the most solid foundation for your greenhouse.
- Avoid placing your greenhouse under trees or in other vulnerable locations.
- To minimise the risk of wind damage, try to select as sheltered a site as possible, e.g. beside a hedgerow or garden fence.

Additional Considerations

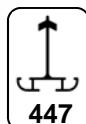
- Please bear in mind that assembling your greenhouse can be time consuming. You may need to spread the construction over two or more days. We recommend that you avoid leaving the building partially glazed. If you ever have to leave your greenhouse half assembled and not anchored down, weigh it down with slabs or bags of sand to stop the wind moving it.
- You will find it helpful to prepare a large, clean and clear area in which to work in. A garage floor or flat lawn area is ideal.
- If you have arranged for someone to install your greenhouse for you, please check that all components are included. Most parts are numbered and can be identified by a stamp or removable label. Alternatively, the components can be identified by lengths detailed in the packing list (see diagram below).
- Once installed your greenhouse requires little maintenance, but to maintain the smooth running of your door(s) WD40 or similar can be applied to the door wheels and lower door guides.

Guarantee

- Your new Hercules greenhouse is guaranteed for 10 years against faulty manufacture of the framework. This does not include glass, moving parts, accidental damage or wind damage.

Look out for part numbers

447



KEY



View Orientation



Potential Hazard



Wear safety goggles



Wear gloves



Think/Decision



e.g.
Refer to section 4



Keep away from water while fitting



Cut/Trim

Example

1

Section No.

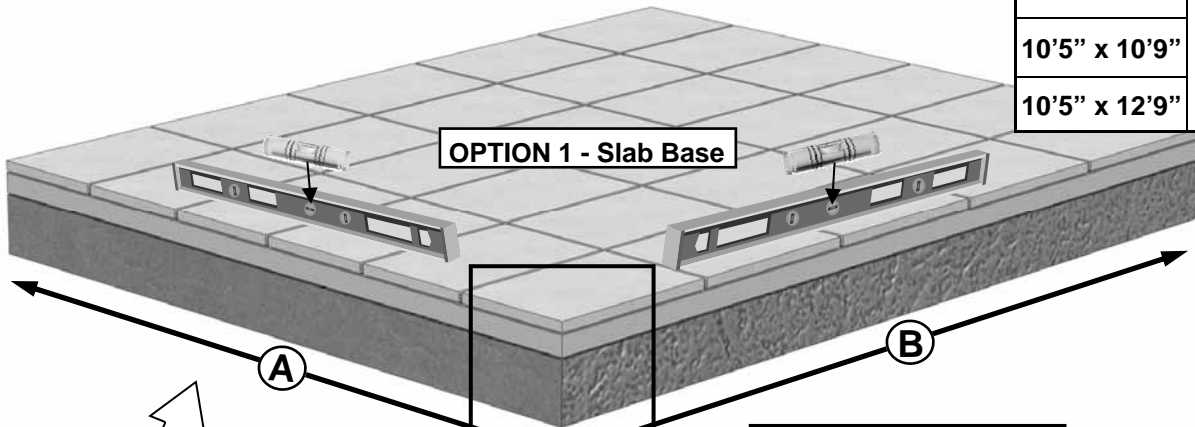
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Page No.

Base Preparation

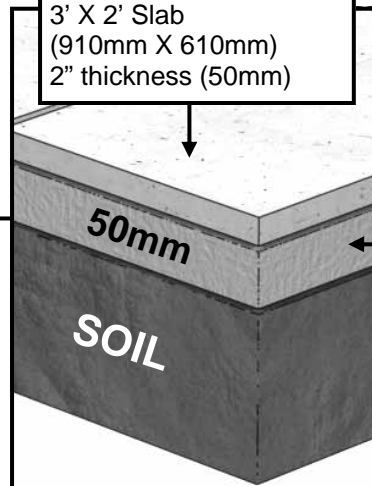
Slab Base Size (Recommended)
Note: The base should always be larger than your building.
The measurements given should only be used as a guide.

Building Size	A (mm)	B (mm)
10'5" x 6'8"	3700	2600
10'5" x 8'8"		3200
10'5" x 10'9"		3800
10'5" x 12'9"		4500

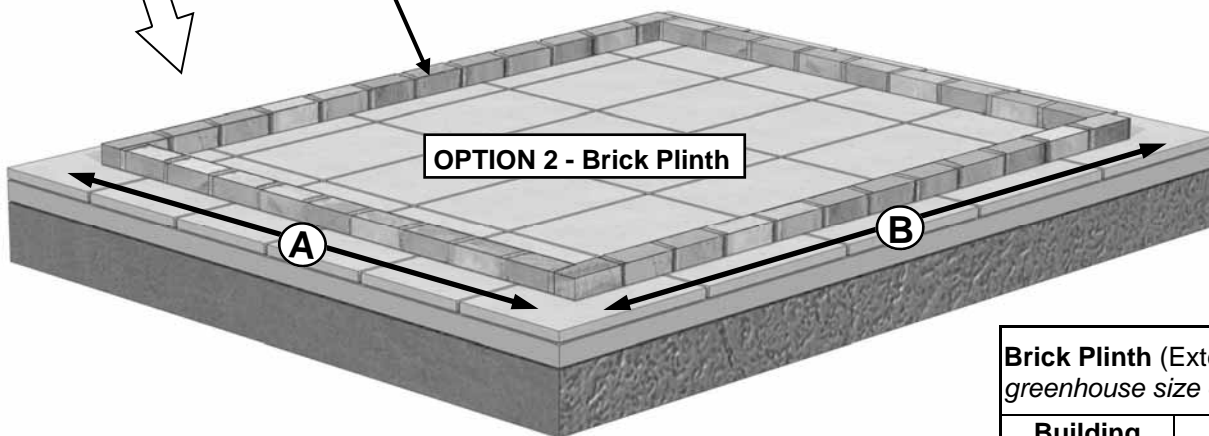
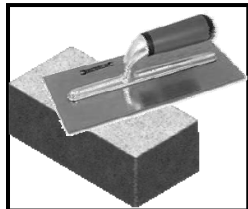


Recommended

3' X 2' Slab
 (910mm X 610mm)
 2" thickness (50mm)













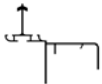





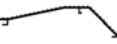
5 : 1














Brick Plinth (External) Actual greenhouse size on front cover






Building Size	A (mm)	B (mm)
10'5" x 6'8"	3195	1994
10'5" x 8'8"		2614
10'5" x 10'9"		3234
10'5" x 12'9"		3854

Section	Part No.	Profile	Size (mm)	10	10	10	10
				6	8	10	12






1 FRONT P9	300	Base Bracket 	-	6			
	310	Front Purling 	948	4			
	315	Flat Bracing 	1,779	2			
	335	Front/Rear Cill 	3,128	1			
	375	Door Runner 	2,508	1			
	400	Door stop 	40	2			
	403	Door Track 	2,508	1			
	404	Door Track Support Bracket 	-	2			
	406	Door Track Main Support 	1,232	1			
	411	Glazing Bar Roof Corner L 	1,872	1			
	417	Glazing Bar Roof Corner R 	1,872	1			
	430	Glazing Bar Corner Side 	1,670	2			
	438	Glazing Bar FR8 	2,075	2			
	439	Glazing Bar FR10 	2,280	2			
	450	Glazing Bar Above Door 	725	1			
	500	Ridge Plate 	-	1			
	526	Threshold 	1,206	1			






Section	Part No.	Profile	Size (mm)	10	10	10	10
				6	8	10	12






2 REAR P10	300	Base bracket 	-	4			
	315	Bracing, flat 	1,779	2			
	319	Rear Purling 	3,116	2			
	335	Rear Cill 	3,128	1			
	411	Glazing Bar Roof Corner L 	1,872	1			
	417	Glazing Bar Roof Corner R 	1,872	1			
	430	Glazing bar Corner Side 	1,670	2			
	438	Glazing Bar FR8 	2,075	2			
	439	Glazing Bar FR10 	2,280	2			
	451	Glazing Bar RM10 	2,690	1			
	500	Ridge plate 	-	1			

3 SIDES	300	Base bracket 	-	2			
	303	Diagonal Bracing 	1,742	2			
	354		3,748				2
	353		3,128				2
	352		2,508	2			
	351		1,888	2			
	447	Side Glazing Bar 	1,670	4	6	8	10
	464		3,748				2
	463		3,128				2
	462		2,508	2			
	461		1,888	2			







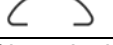


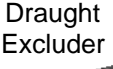
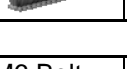
Section	Part No.	Profile	Size (mm)	10	10	10	10
				6	8	10	12






4 ROOF	445	Roof Glazing Bar 	1,872	4	6	8	10
	484	Ridge 	3,748				1
	483		3,128			1	
	482		2,508		1		
	481		1,888	1			
	602	Ridge Cantilever 3 	915	2	4	6	8
	601	Eaves Cantilever 	460	4	6	8	10
	690	Hanging Basket Rail 	3,748				2
	689		3,128			2	
	688		2,508		2		
	687		1,888	2			

5	-	Top/Bottom 	592	2	4	4	4
	-	Side 	444	2	4	4	4
	-	M4 	10	4	8	8	8
	-	M6 Crop 	10	4	8	8	8
	-	M6 	-	4	8	8	8

6	540	Vent Bottom 		1	1	2	2
			590				
	541	Vent Side 		2	2	4	4
			606				
	543	Vent Top 		1	1	2	2
			650				
	709	Slam Bar 		1	1	2	2
			645				
	330	Casement Stay 		1	1	2	2

Section	Part No.	Profile	Size (mm)	10	10	10	10
				6	8	10	12

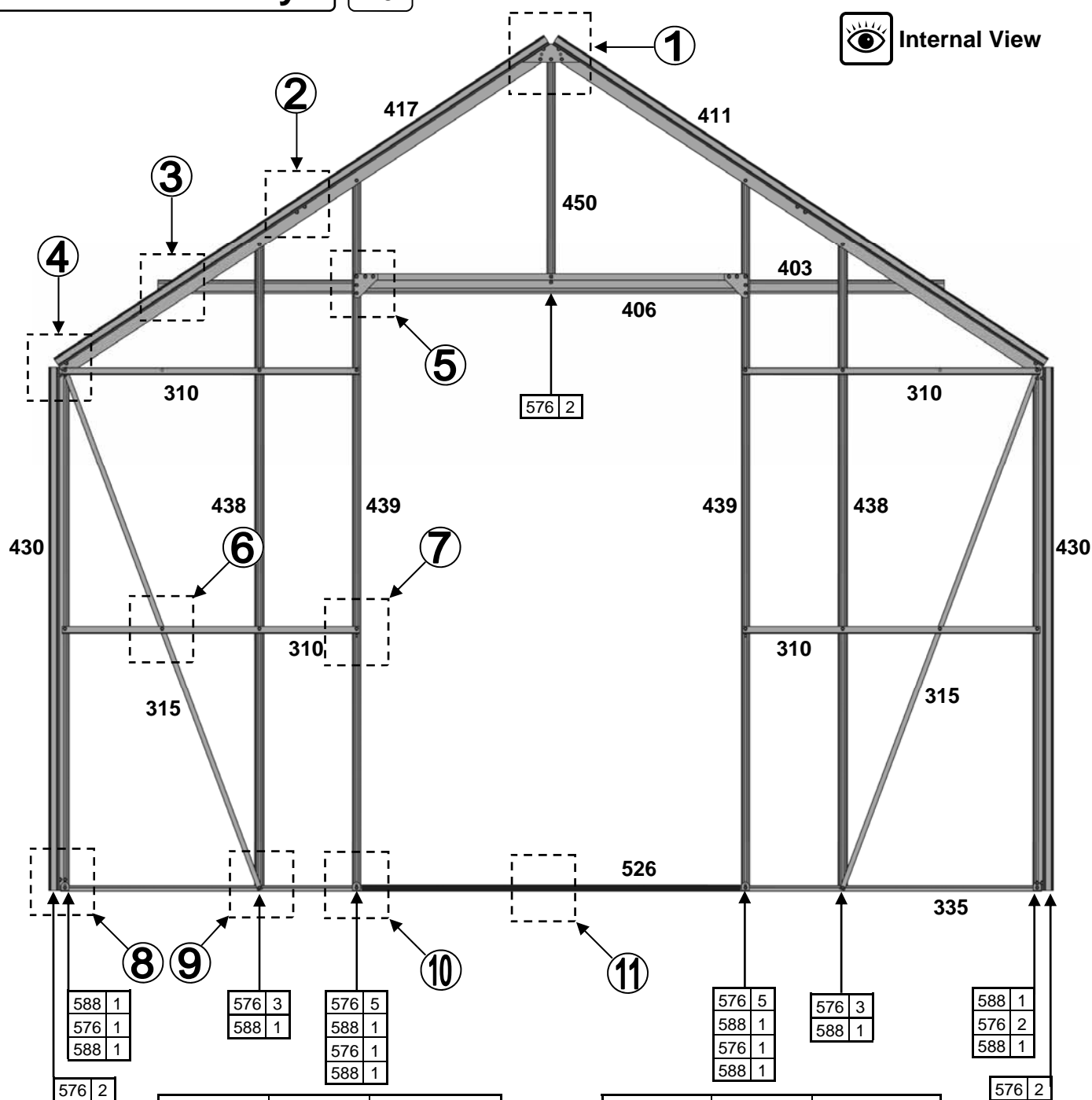
7	707	Door Bottom 	618	2			
	708	Door Top 	618	2			
	373	Door Middle 	618	2			
	717	Door Stile with Lock 	1,880	1			
	379	Door Stile Female 	1,880	2			
	381	Door Stile Male 	1,880	1			
	384	Door Handle 	112	2			
	557	Glass Jack 	590	2			
	558	Edging Strip 	870	8			
	560	Door Stop Bung 	50	2			
	571	Draught Excluder 	3,800	1			

8	576	M6 Bolt 	10mm
	579	M6 Nut 	M6
	580	Nut Caps 	-
	583	Self Tapping Screw 	19mm
	588	M6 Bolt 	15mm

P9



Internal View

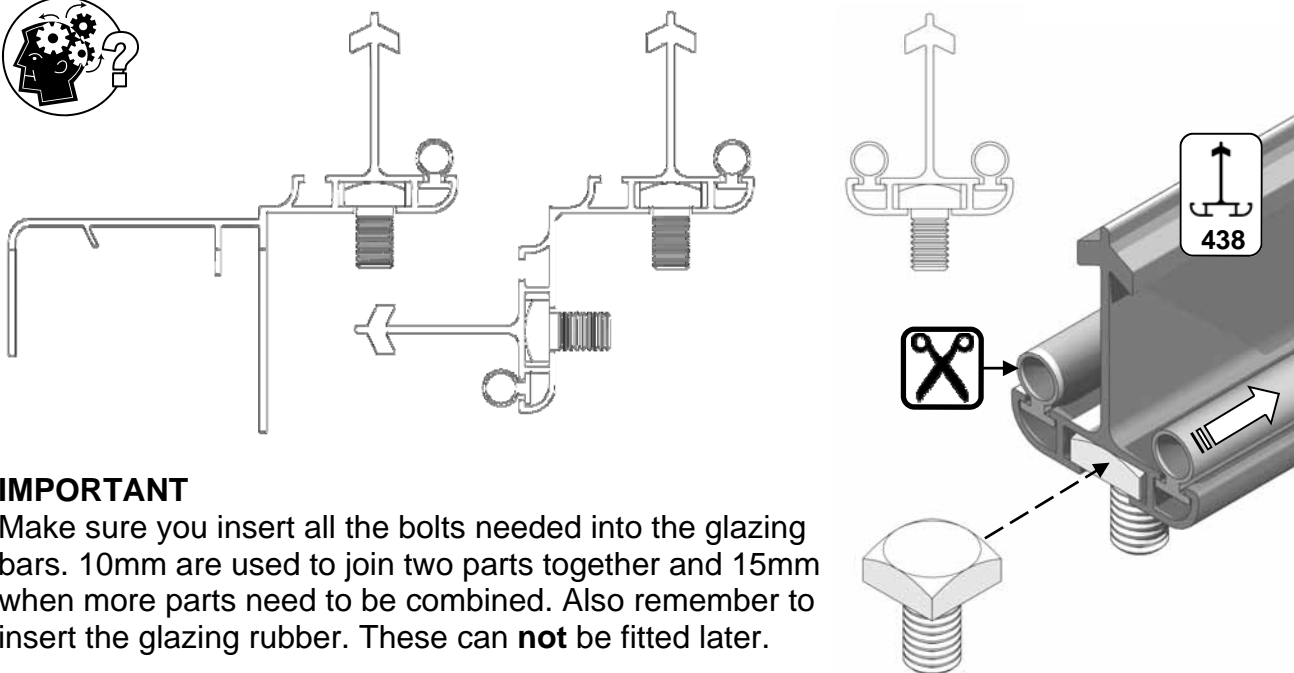


Part No.	Length mm	Qty Required
300	-	6
310	948	4
315	1,779	2
335	3,128	1
375	2,508	1
400	40	2
403	2,508	1
404	-	2
406	1,232	1
411	1,872	1
417	1,872	1

Part No.	Length mm	Qty Required
430	1,670	2
438	2,075	2
439	2,280	2
450	725	1
500	-	1
526	1,206	1
576	10	54
579	-	60
580	-	60
588	15	10

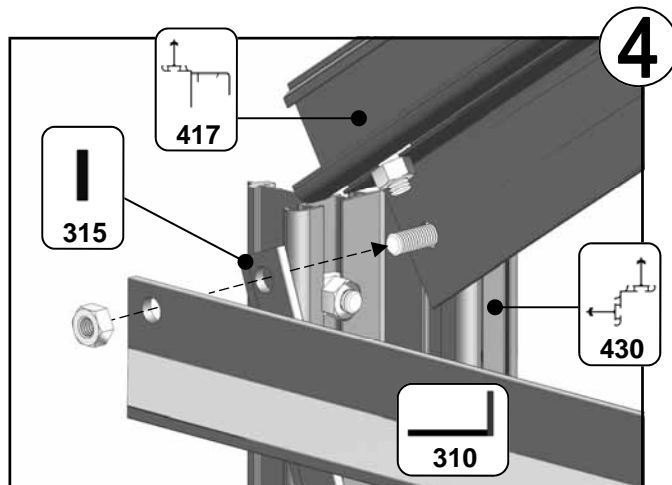
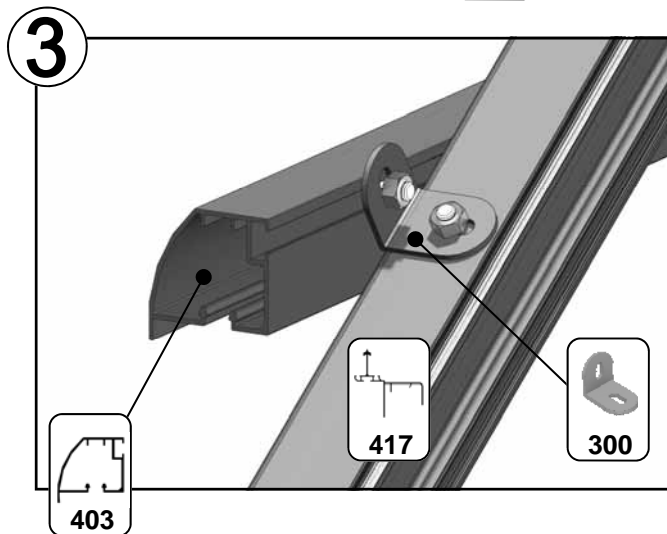
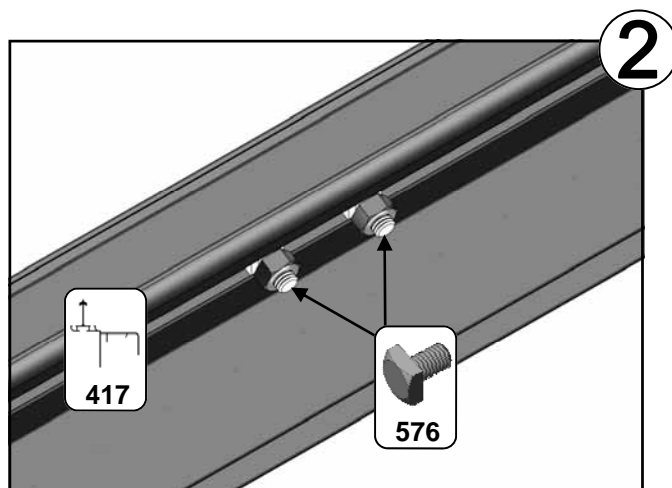
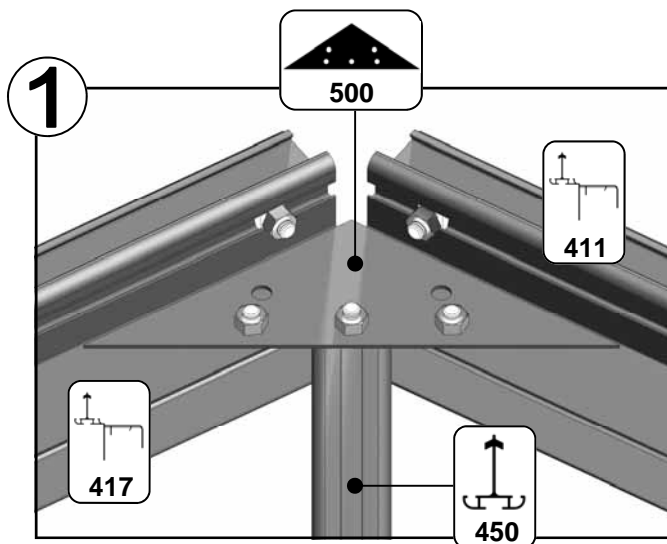
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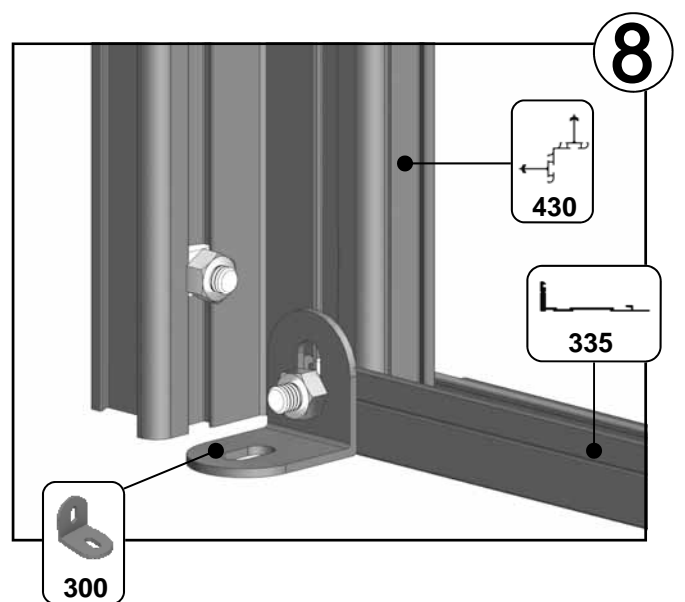
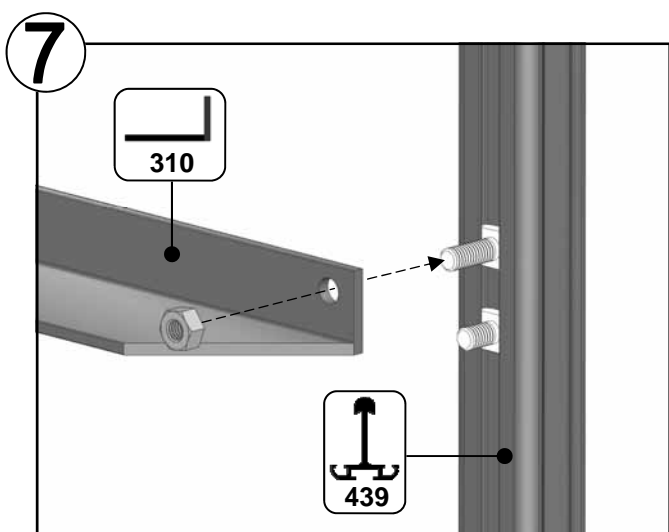
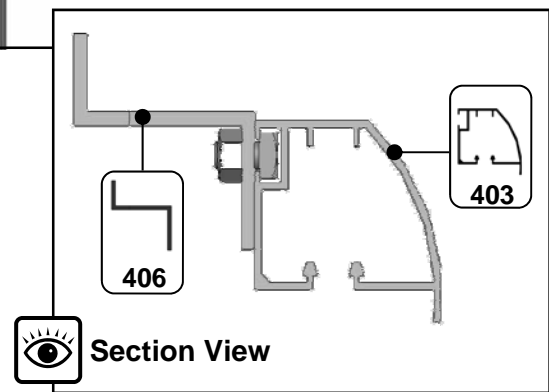
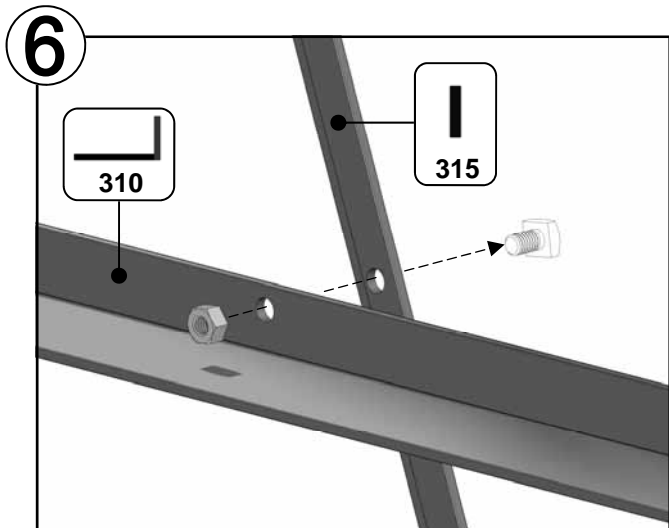
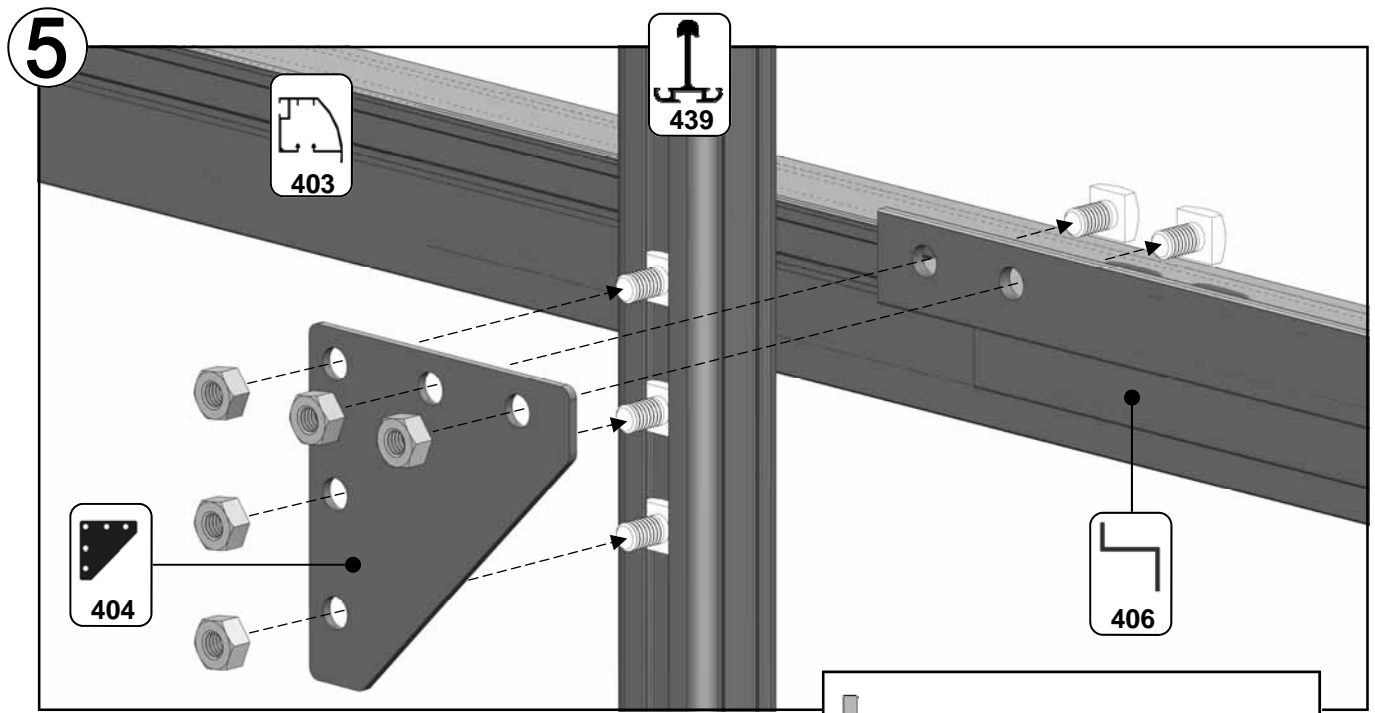
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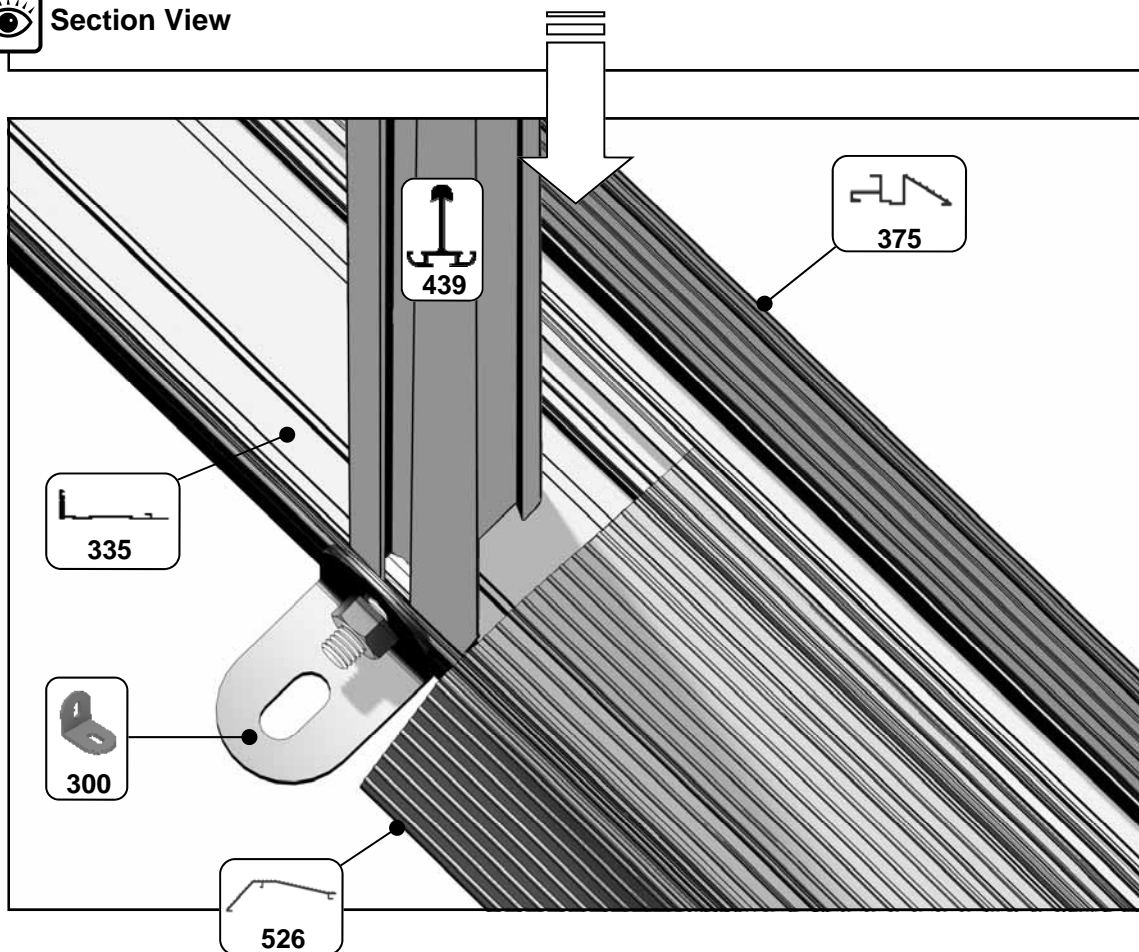
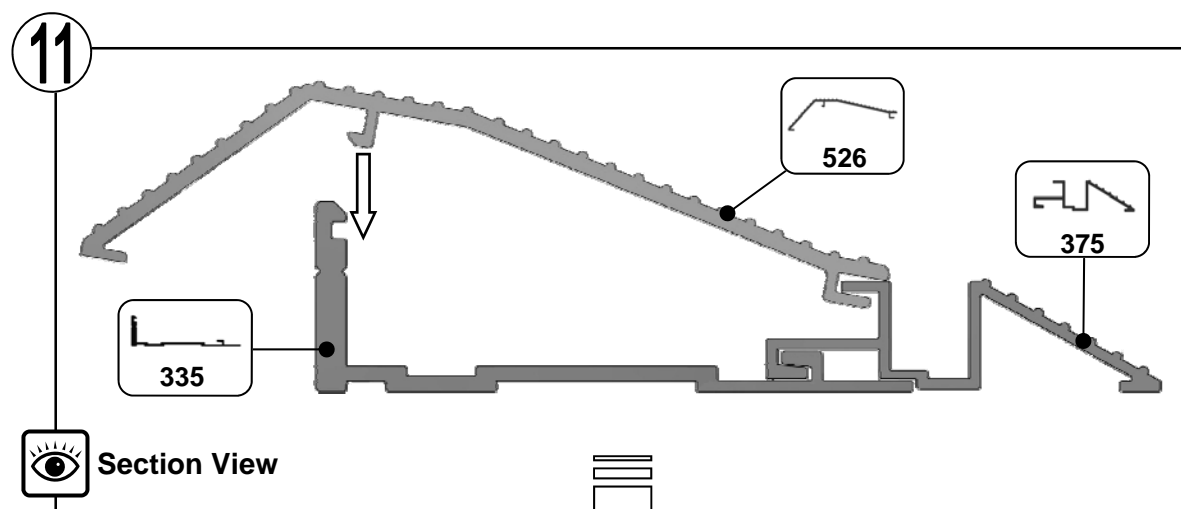
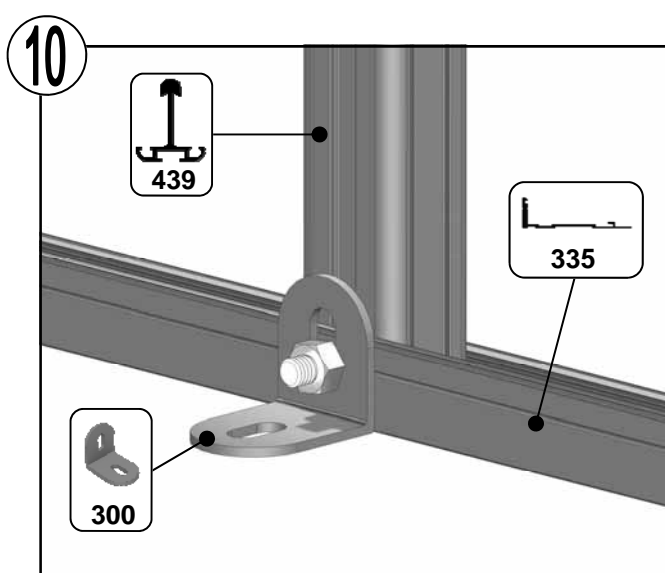
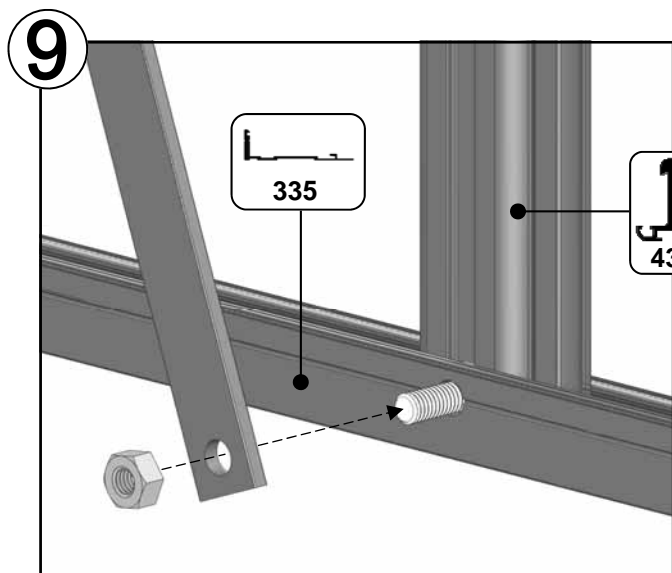


IMPORTANT

Make sure you insert all the bolts needed into the glazing bars. 10mm are used to join two parts together and 15mm when more parts need to be combined. Also remember to insert the glazing rubber. These can **not** be fitted later.





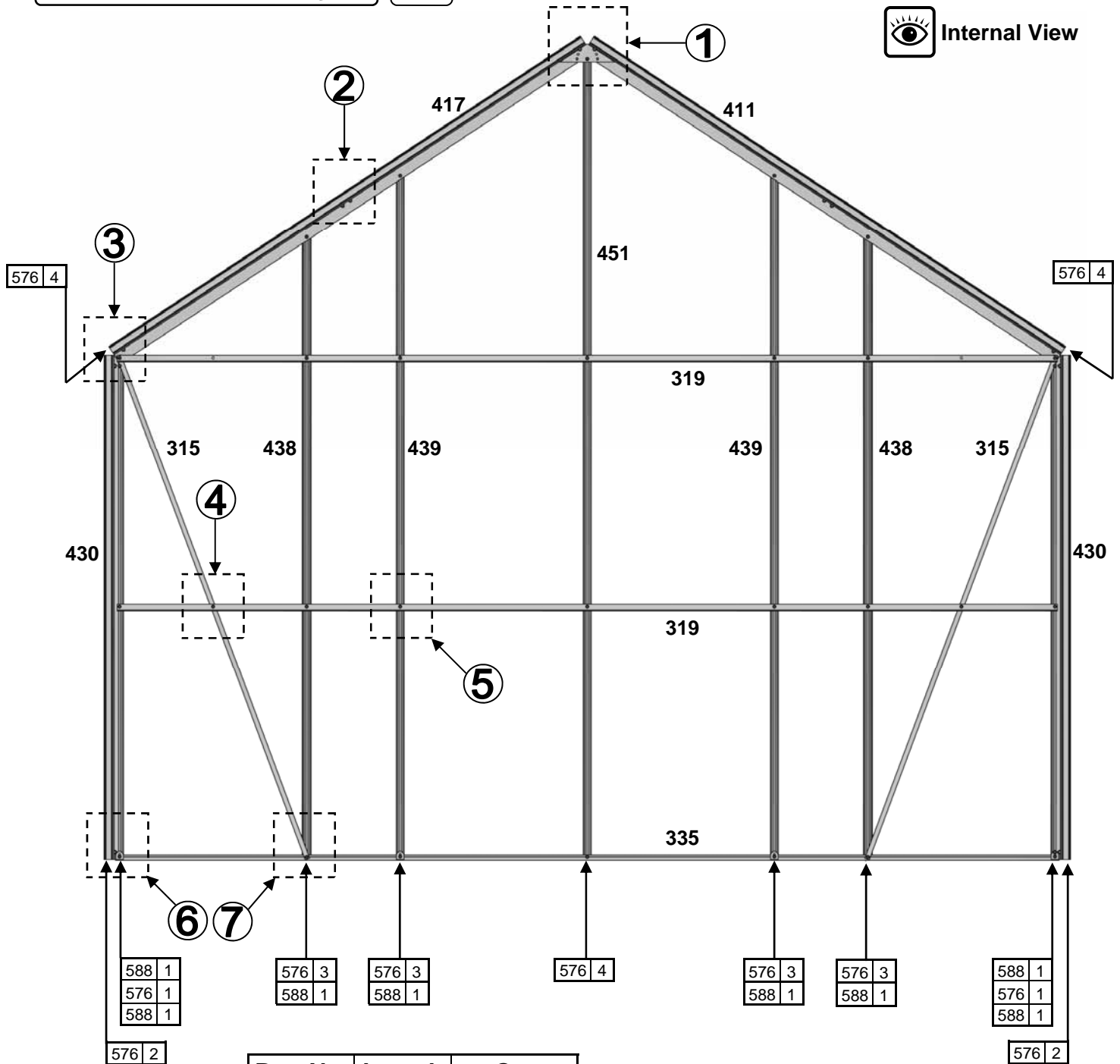


Rear Assembly

P10



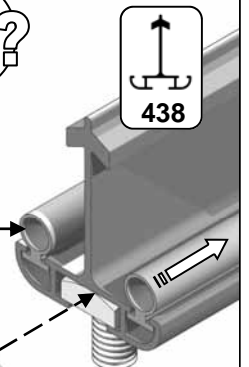
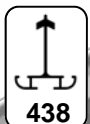
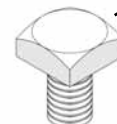
Internal View



Part No.	Length mm	Qty Required
300	-	4
315	1,779	2
319	3,116	2
335	3,128	1
411	1,872	1
417	1,872	1
430	1,670	2
438	2,075	2
439	2,280	2
451	2,690	1
500	-	1
576	10	38
579	-	42
580	-	42
588	15	8

IMPORTANT

Make sure you insert all the bolts needed into the glazing bars. Also remember to insert the glazing rubber. These can **not** be fitted later.

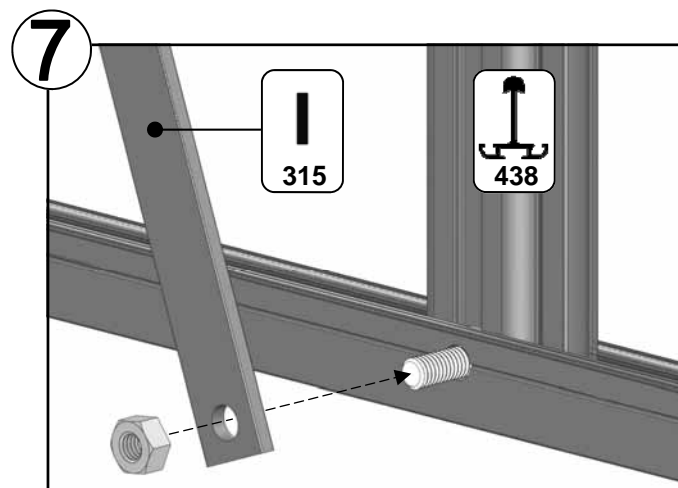
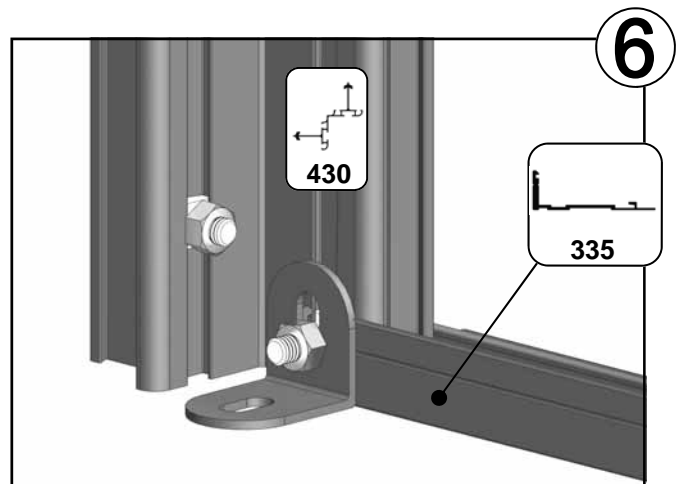
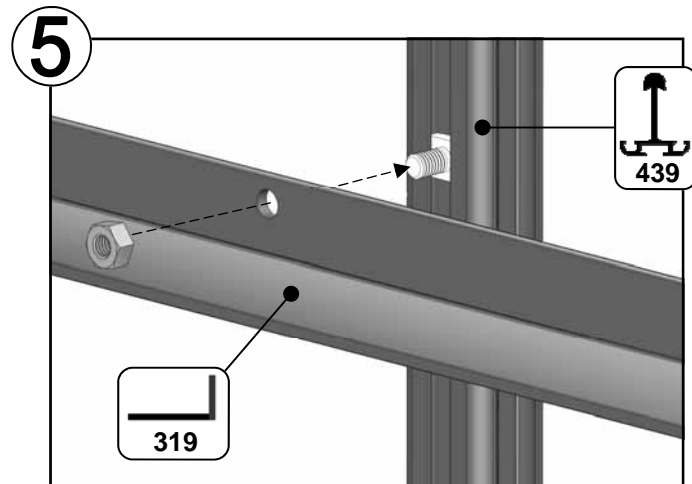
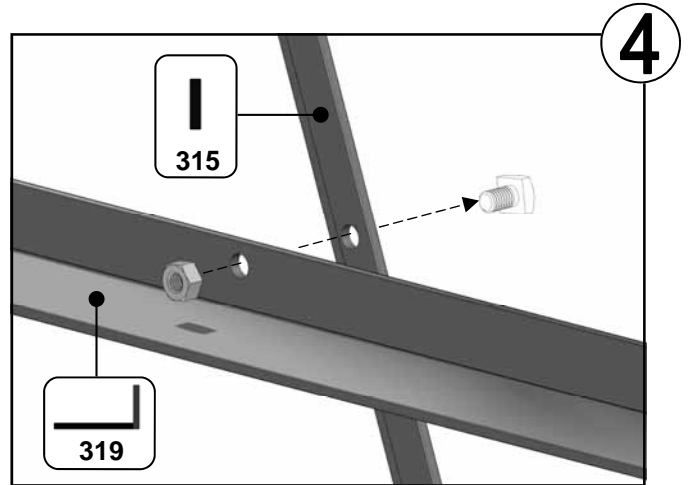
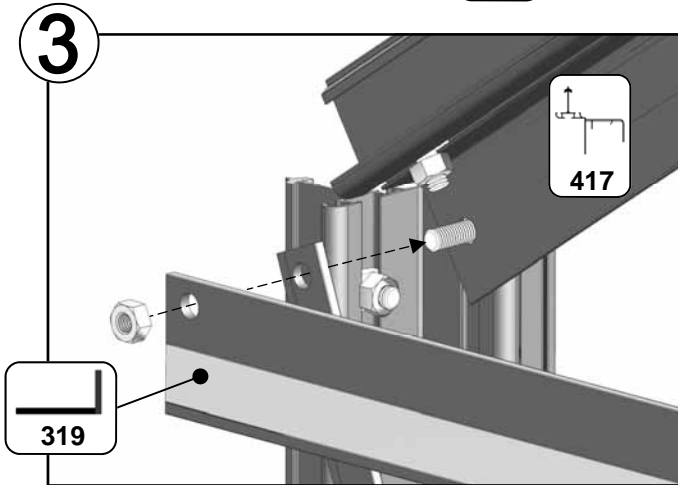
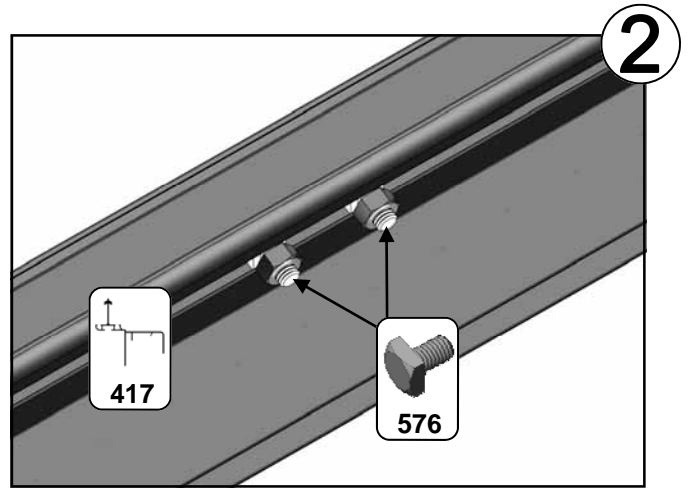
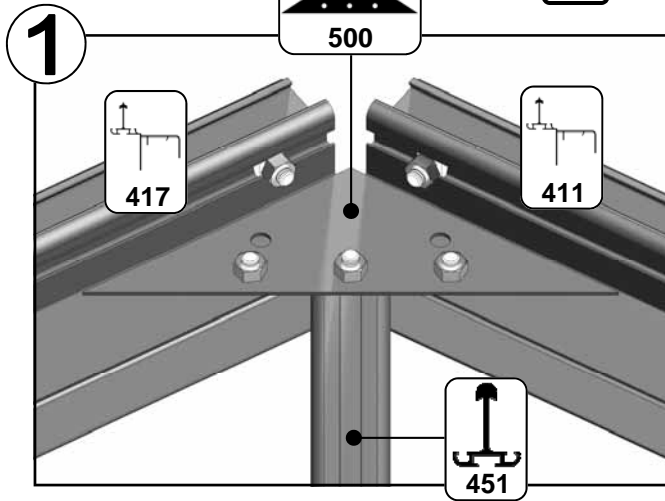


2

10



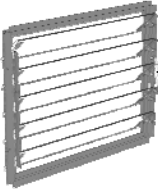
Internal Views



Side Assembly

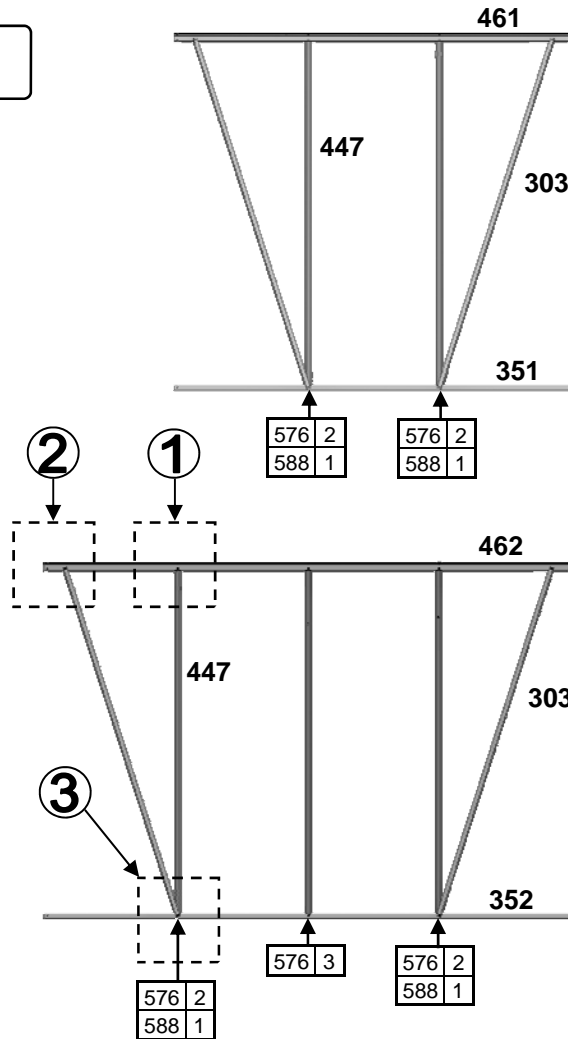





Add extra bolts for your louvre






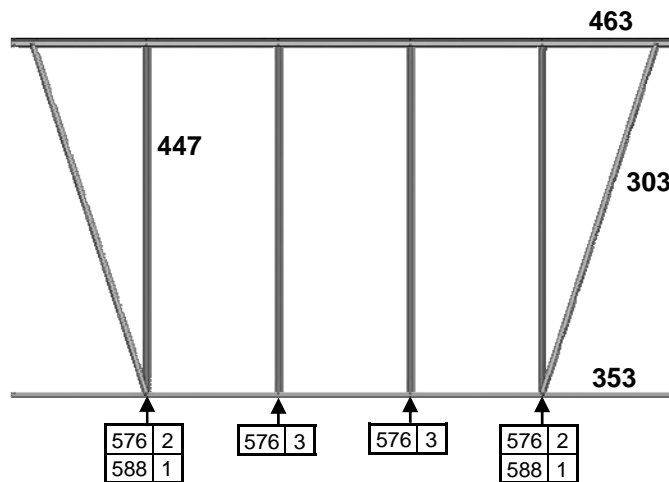
Partition




If you have a partition consider its location at this stage. It would be easier to insert the side bars (423) now.

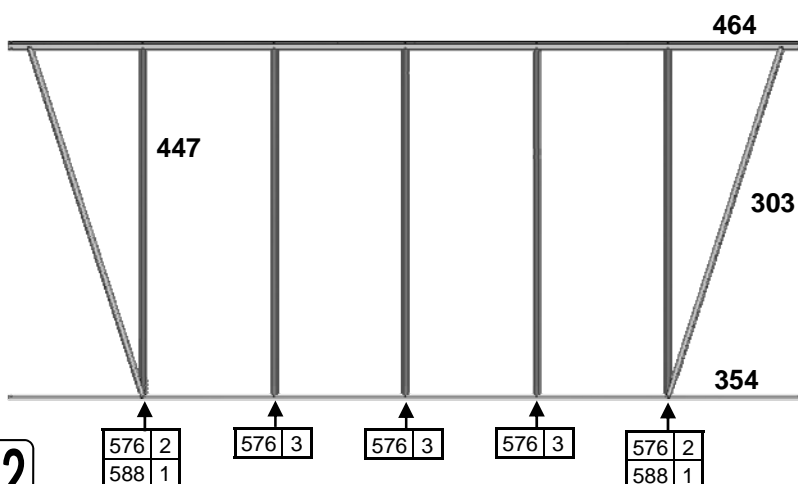





	Part Number	Size (mm)	Quantity
6'	303	1742	2
	351	1888	1
	447	1670	2
	461	1888	1
	576 (M6)	 10	12
	579 (M6)		12
	588 (M6)	 16	4

	Part Number	Size (mm)	Quantity
8'	303	1742	2
	352	2508	1
	447	1670	3
	462	2508	1
	576 (M6)	 10	18
	579 (M6)		16
	588 (M6)	 16	4



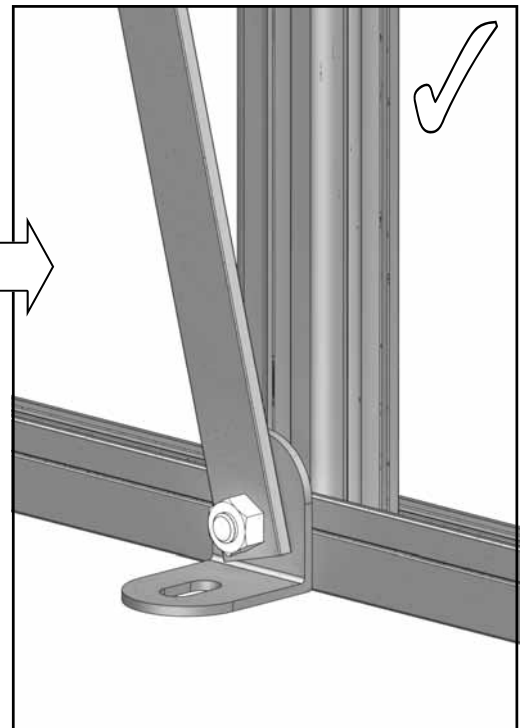
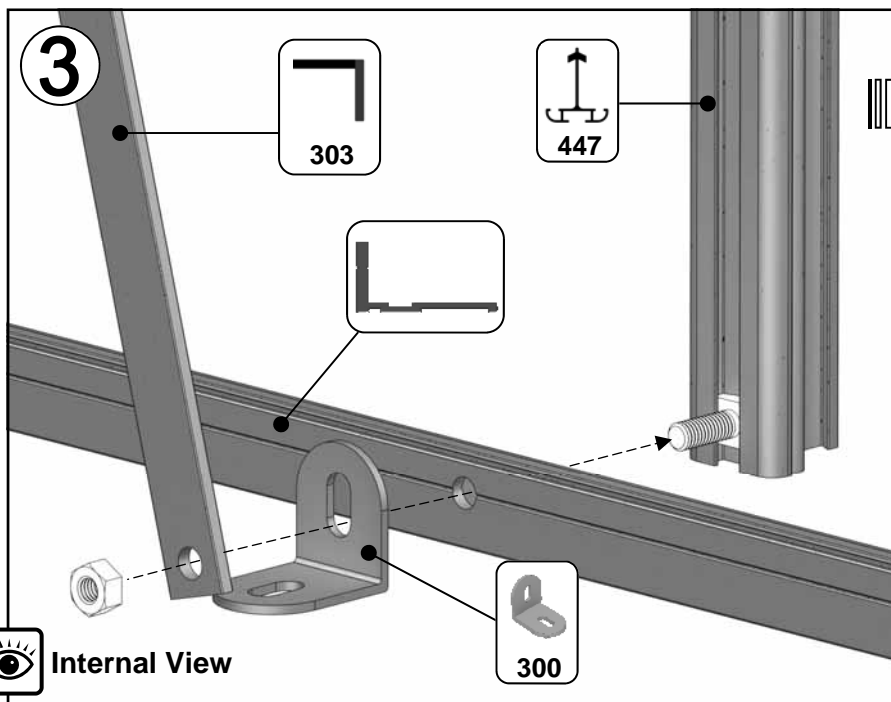
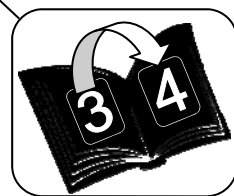
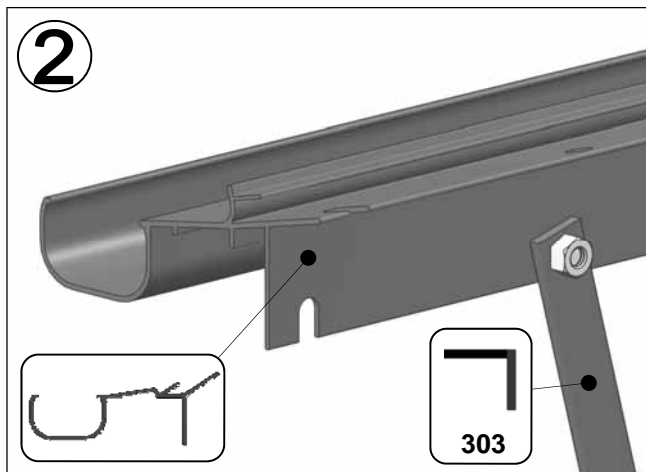
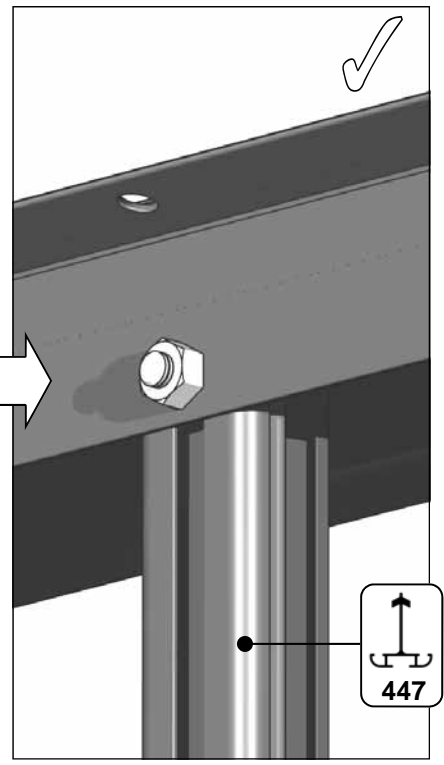
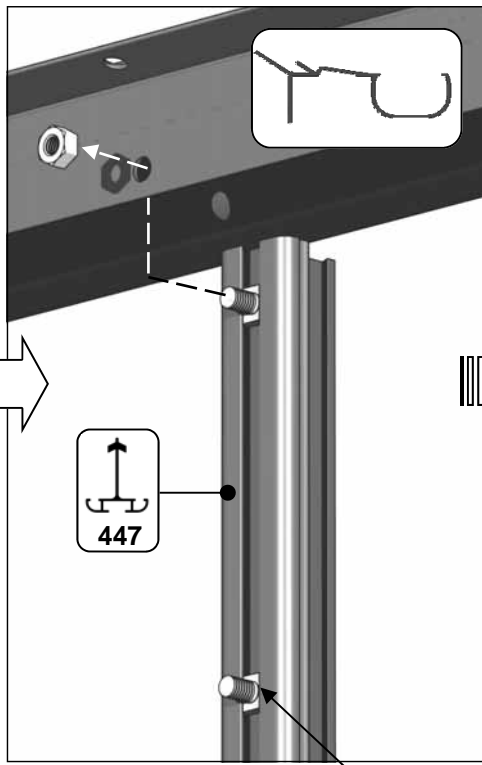
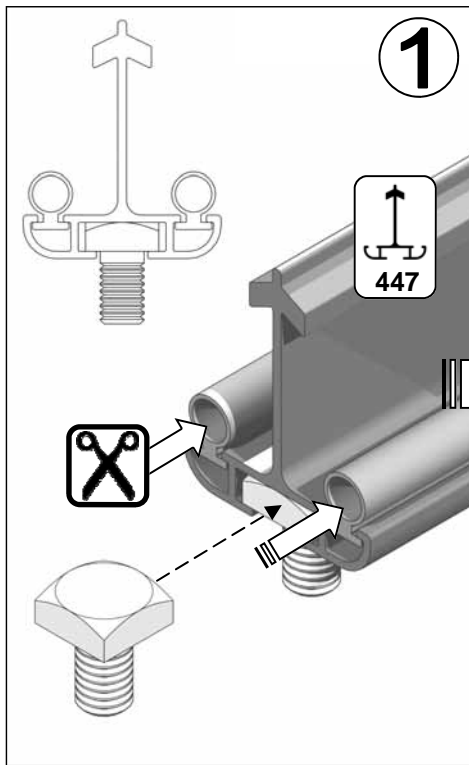
	Part Number	Size (mm)	Quantity
10'	303	1742	2
	353	3126	1
	447	1670	4
	463	3126	1
	576 (M6)	 10	24
	579 (M6)		20
	588 (M6)	 16	4



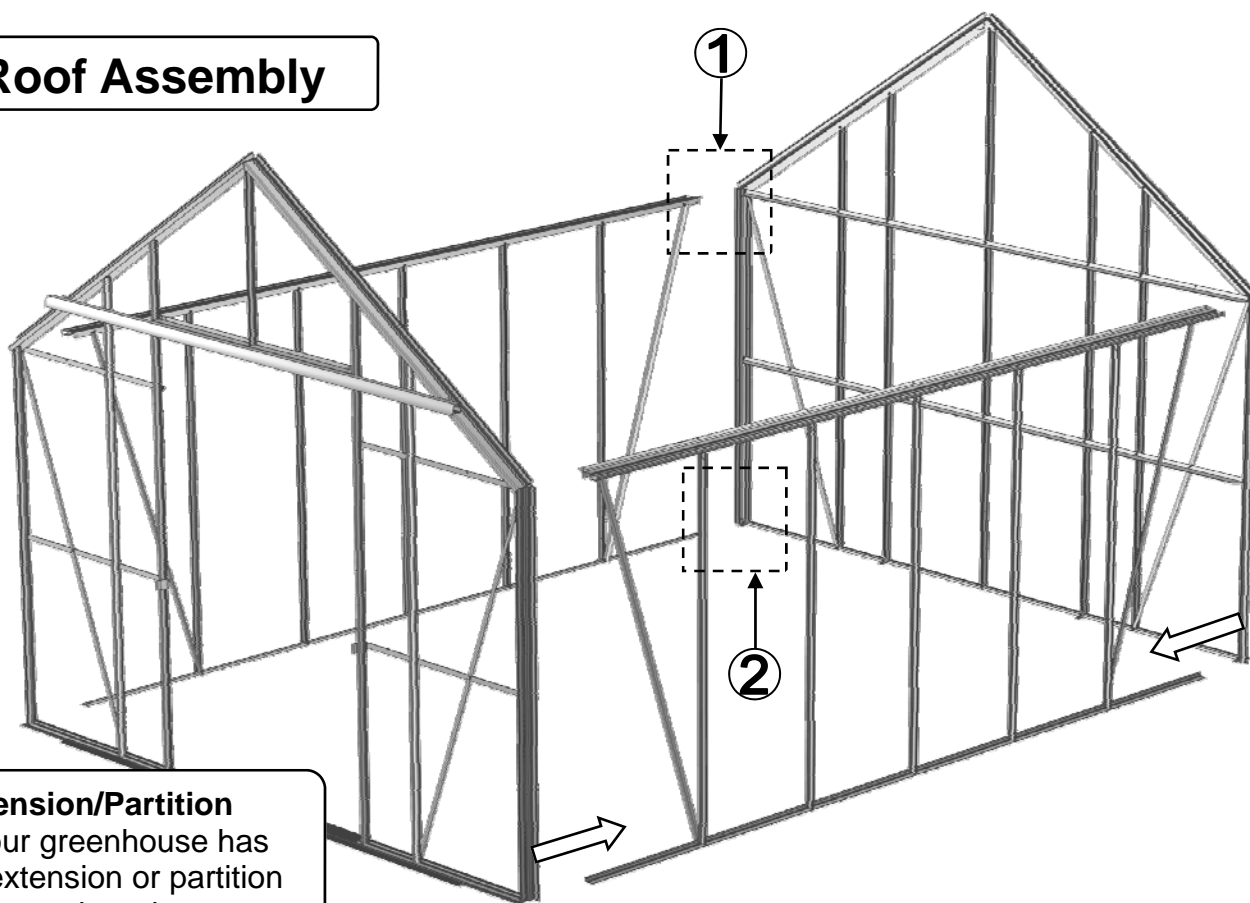
	Part Number	Size (mm)	Quantity
12'	303	1734	2
	354	3748	1
	447	1670	5
	464	3748	1
	576 (M6)	 10	30
	579 (M6)		24
	588 (M6)	 16	4

3

12

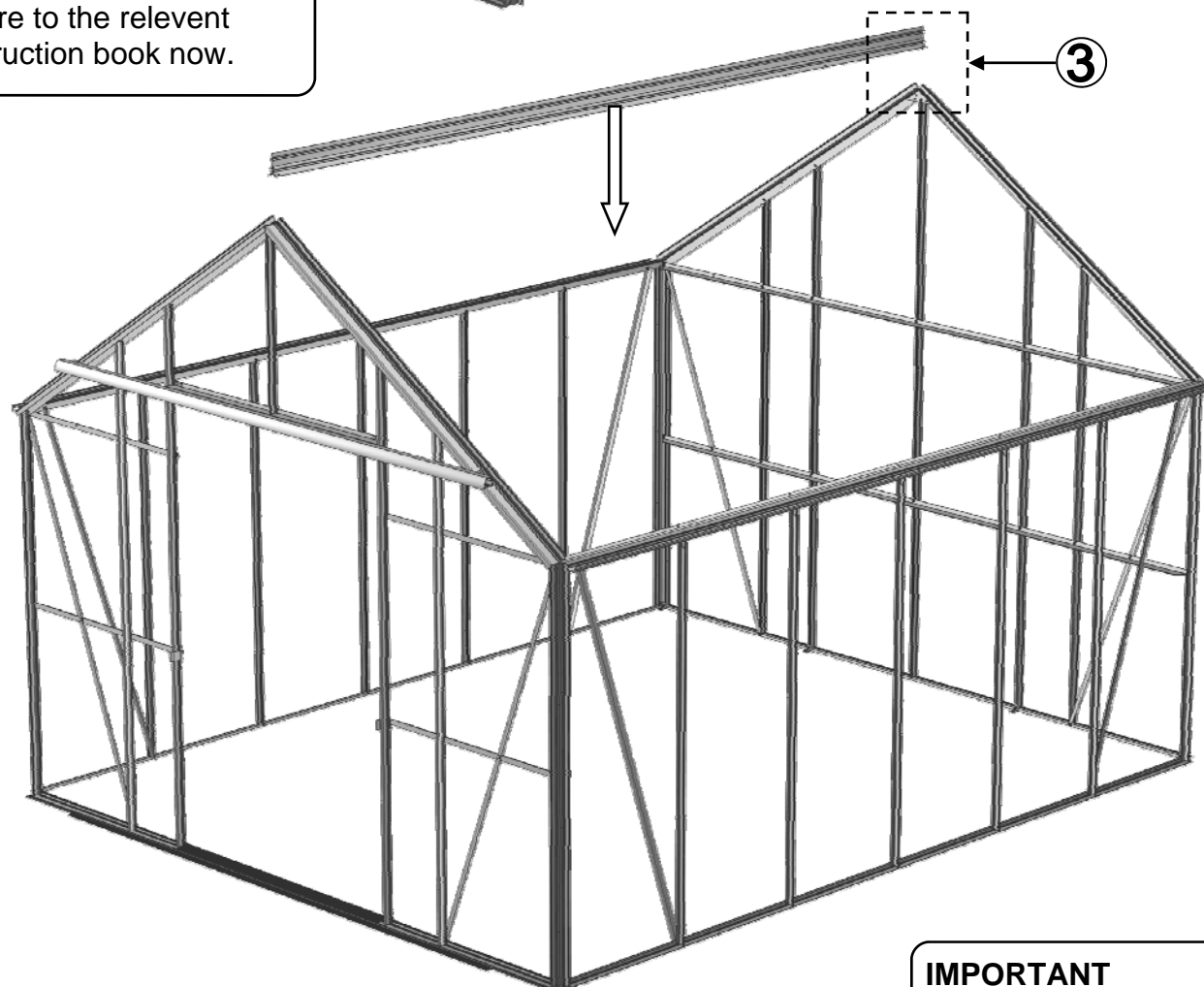


Roof Assembly



Extension/Partition

If your greenhouse has an extension or partition refer to the relevant instruction book now.

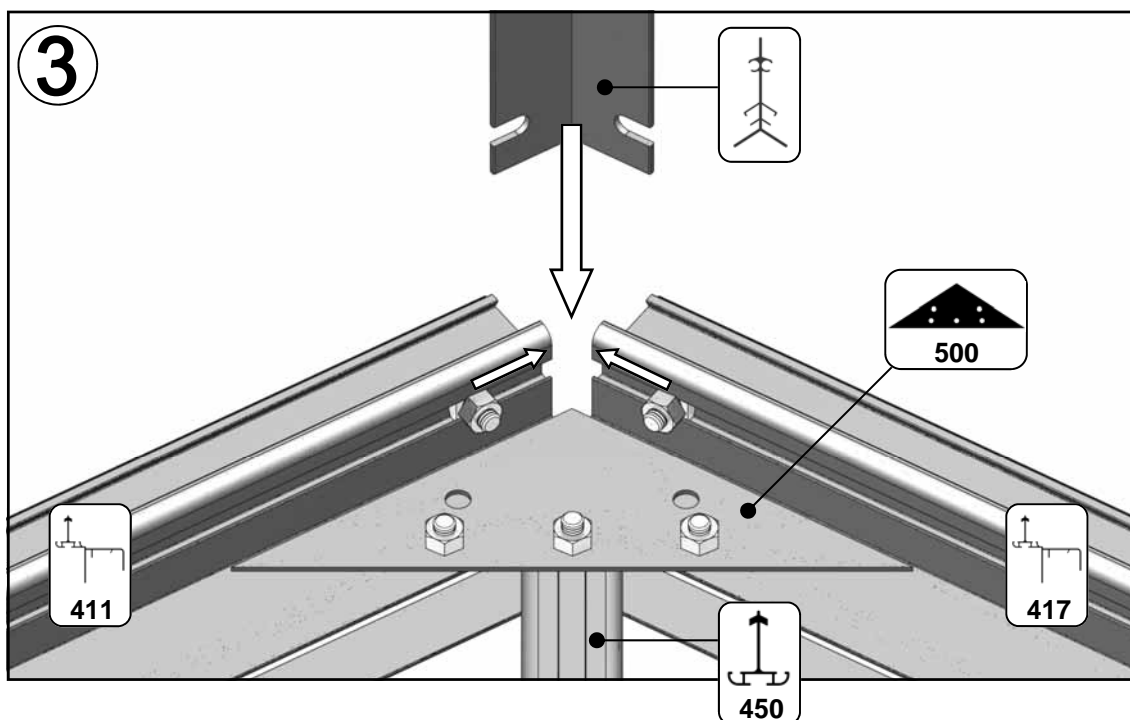
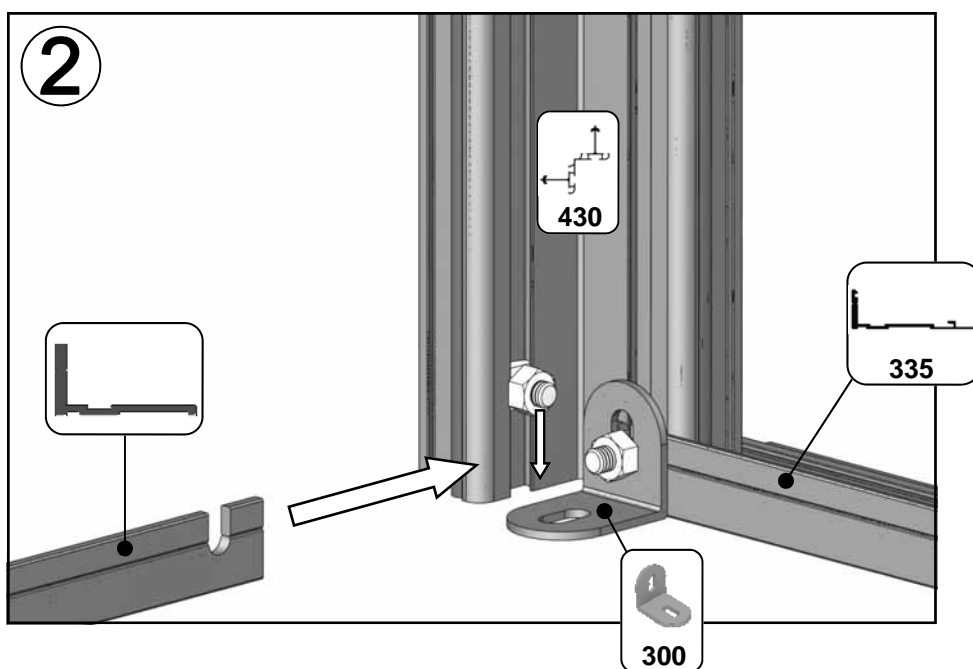
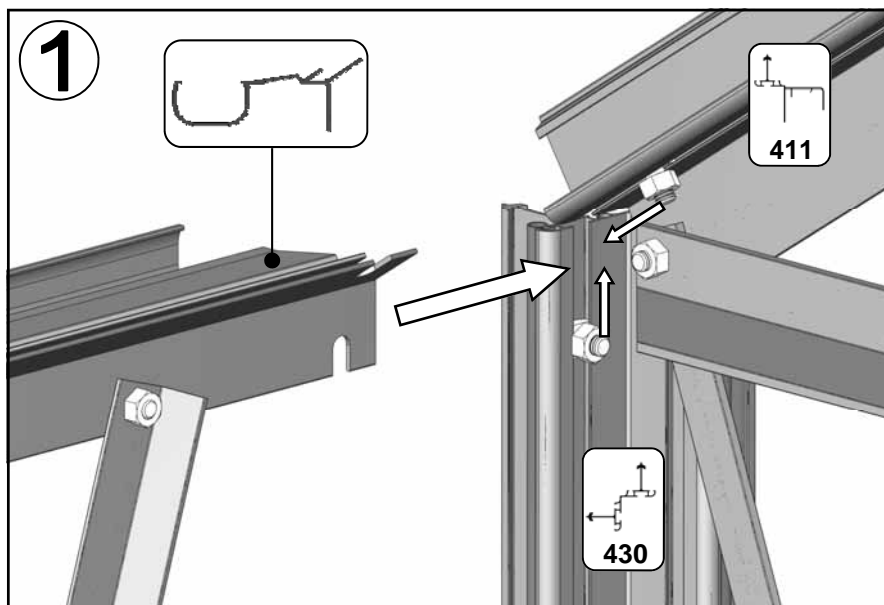


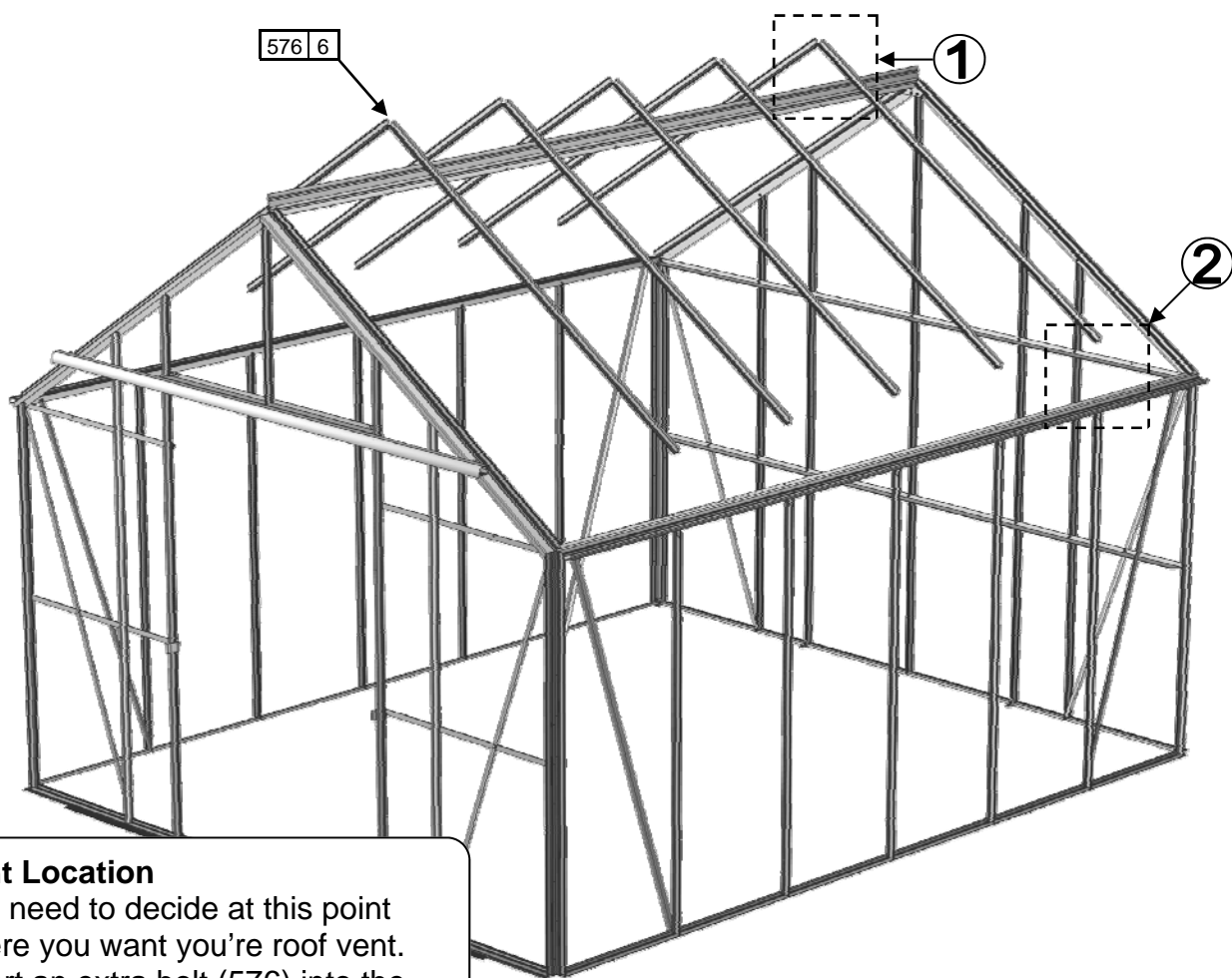
4

14

IMPORTANT

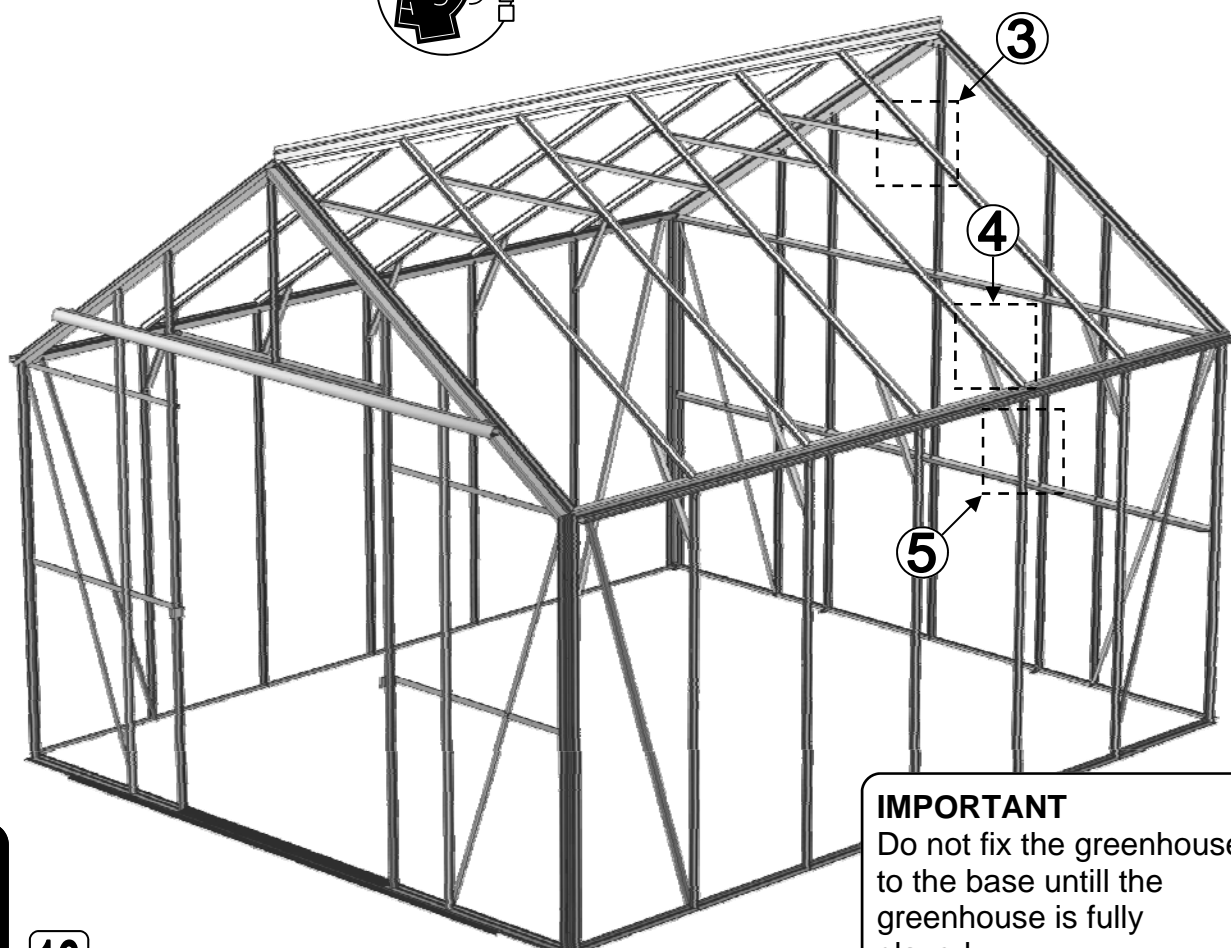
Do not fix the greenhouse to the base until the greenhouse is fully glazed.





Vent Location

You need to decide at this point where you want your roof vent. Insert an extra bolt (576) into the glazing bar (445) either side of the vent's location.

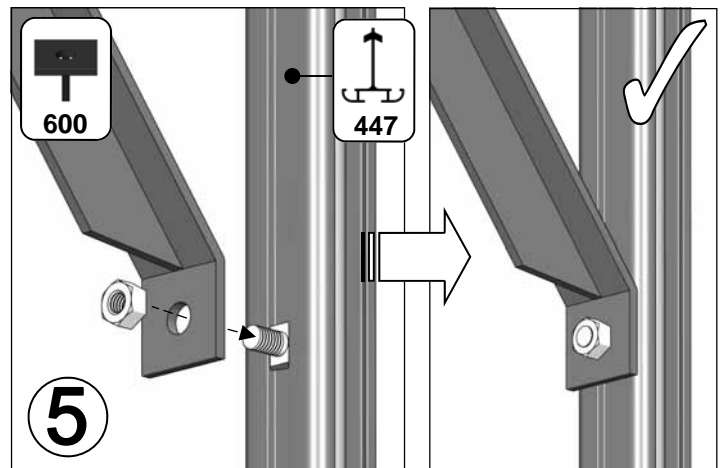
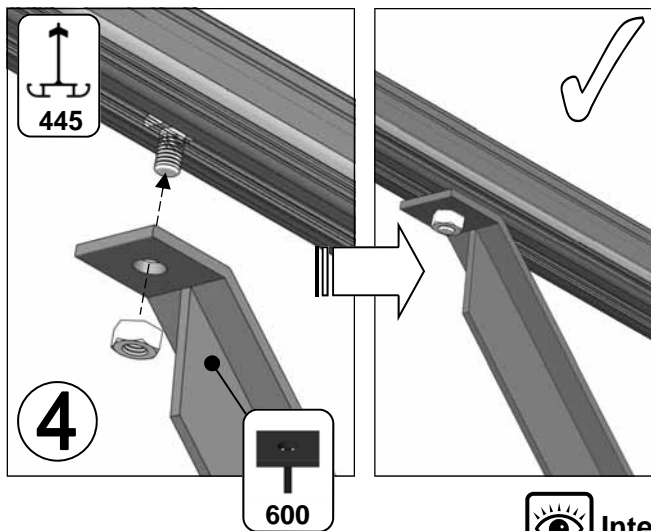
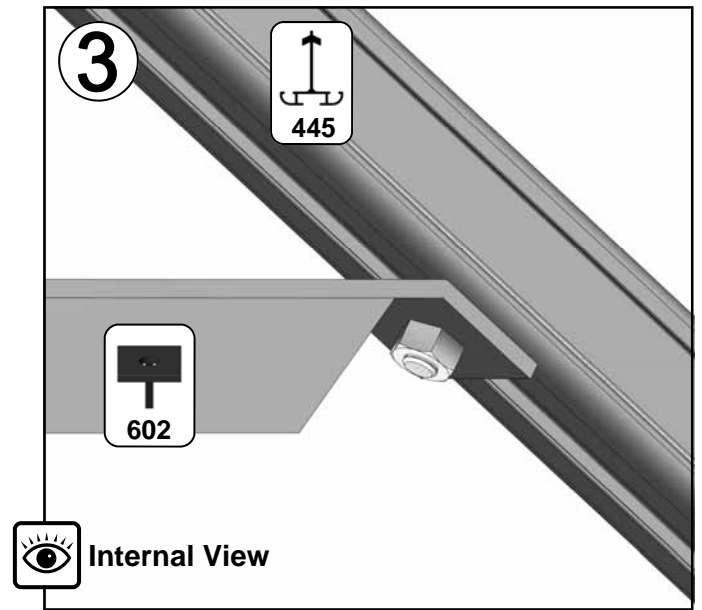
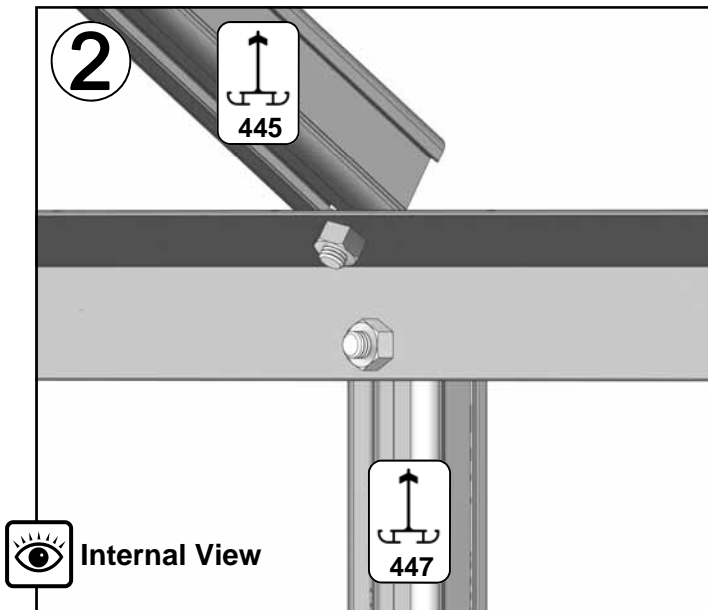
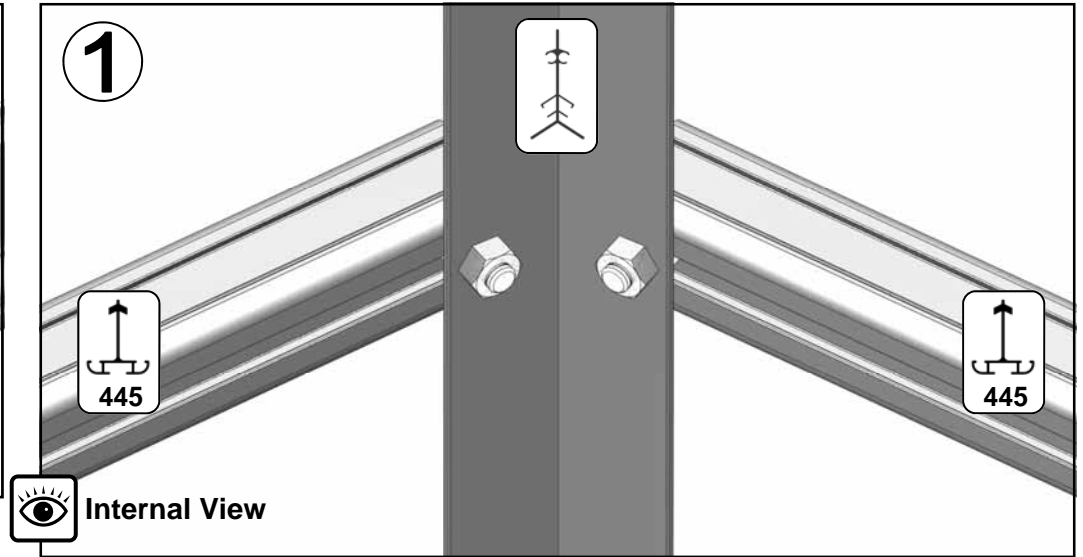
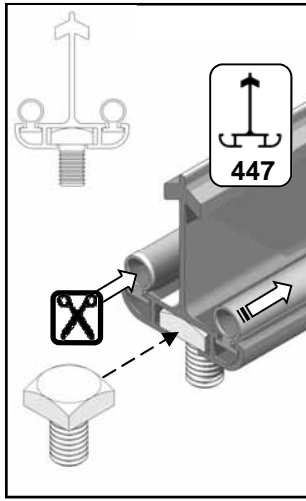


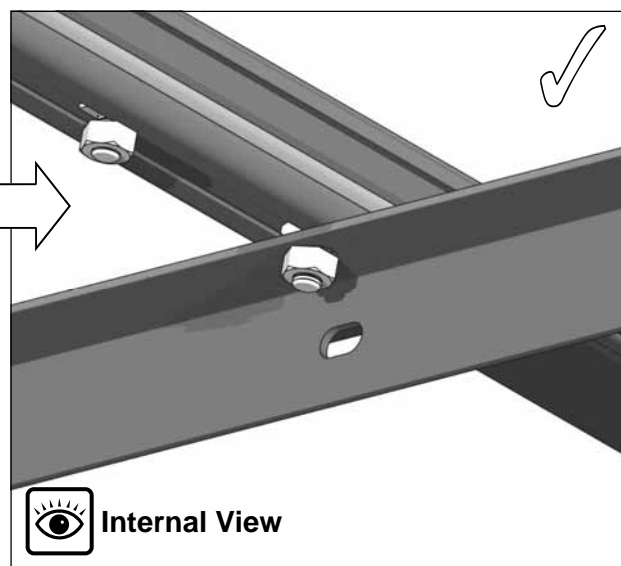
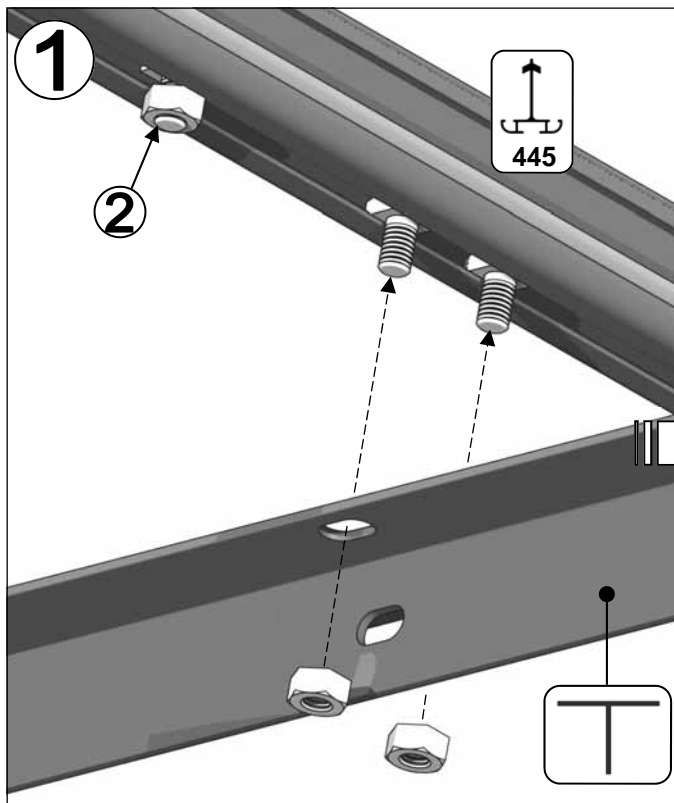
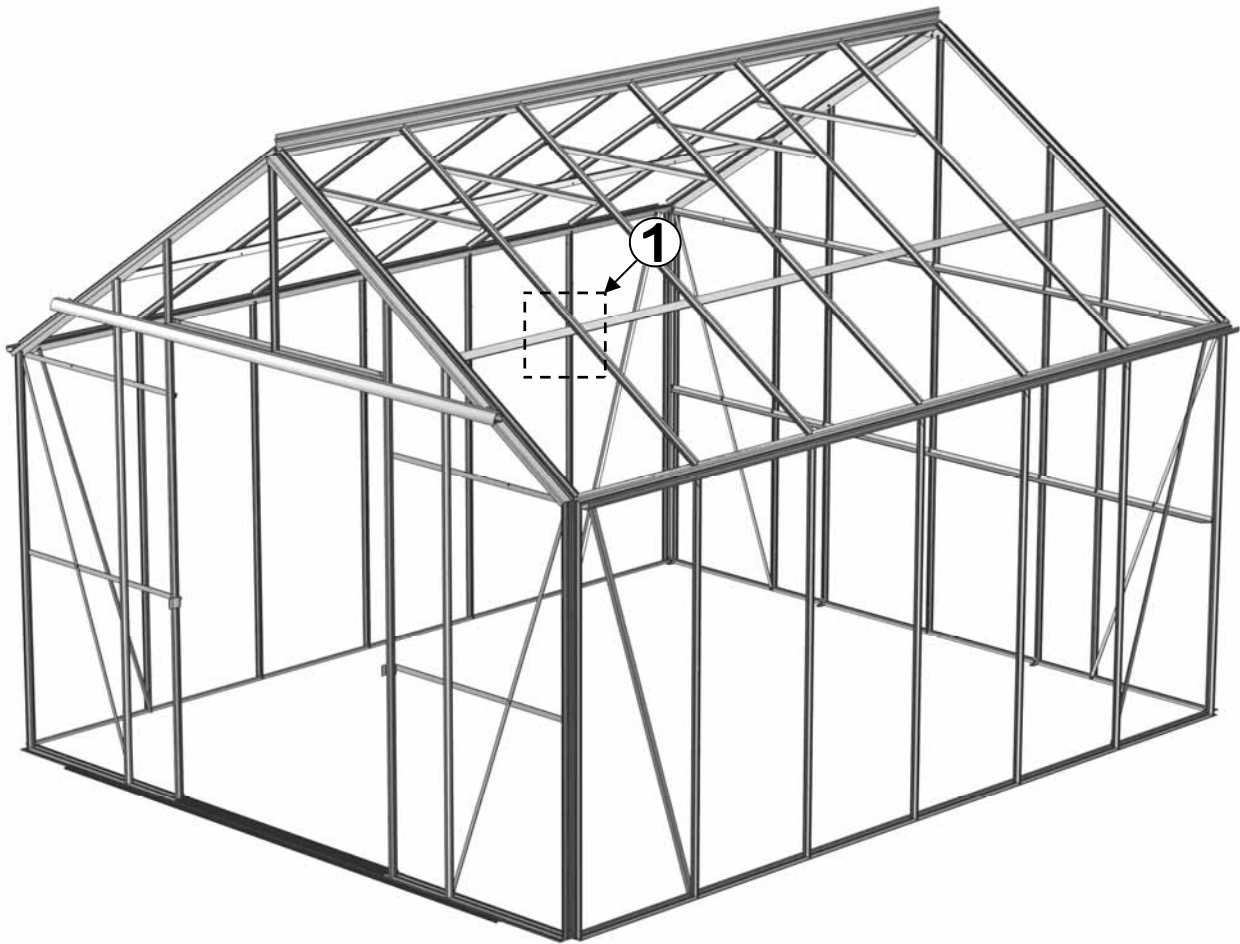
IMPORTANT

Do not fix the greenhouse to the base until the greenhouse is fully glazed.

4

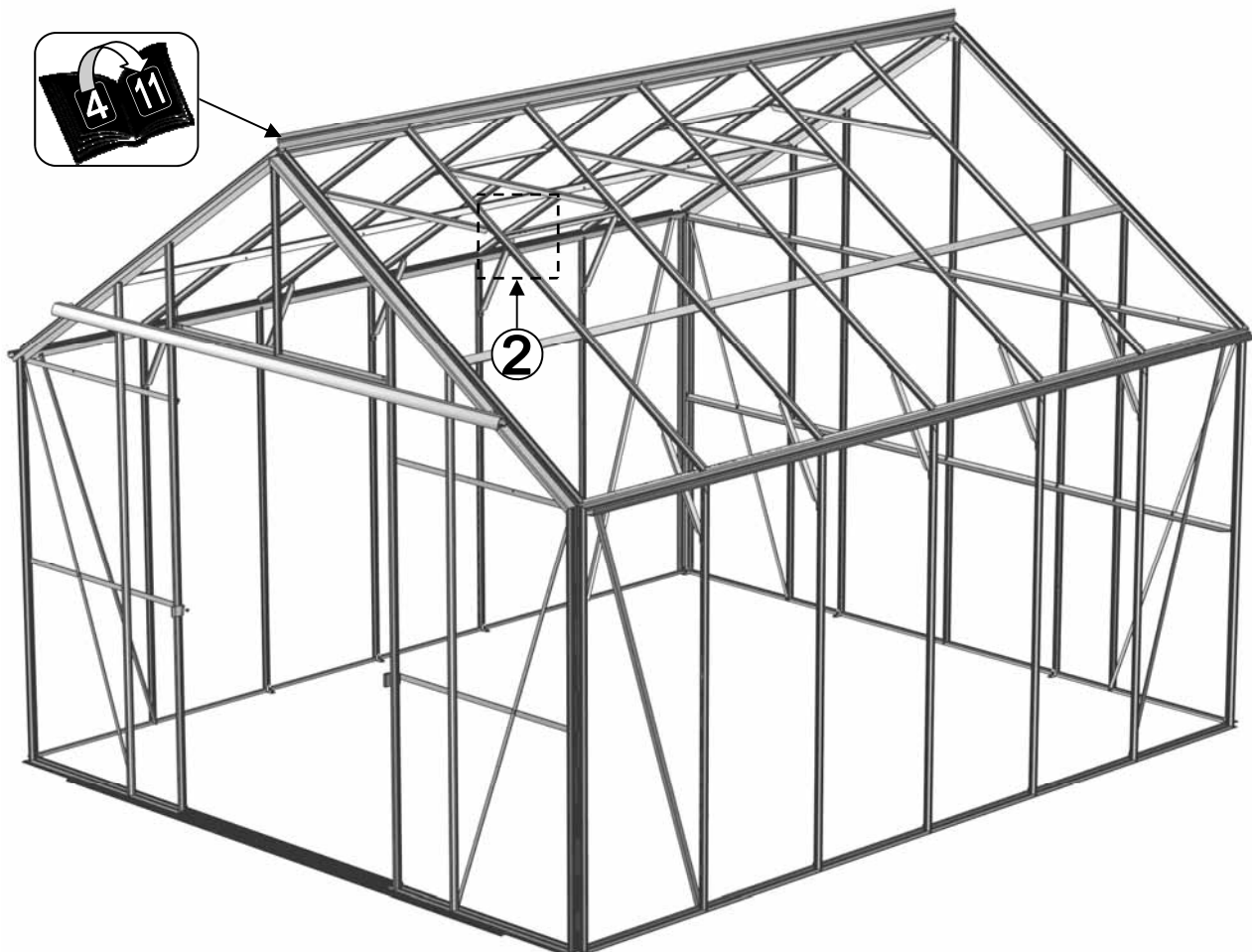
16





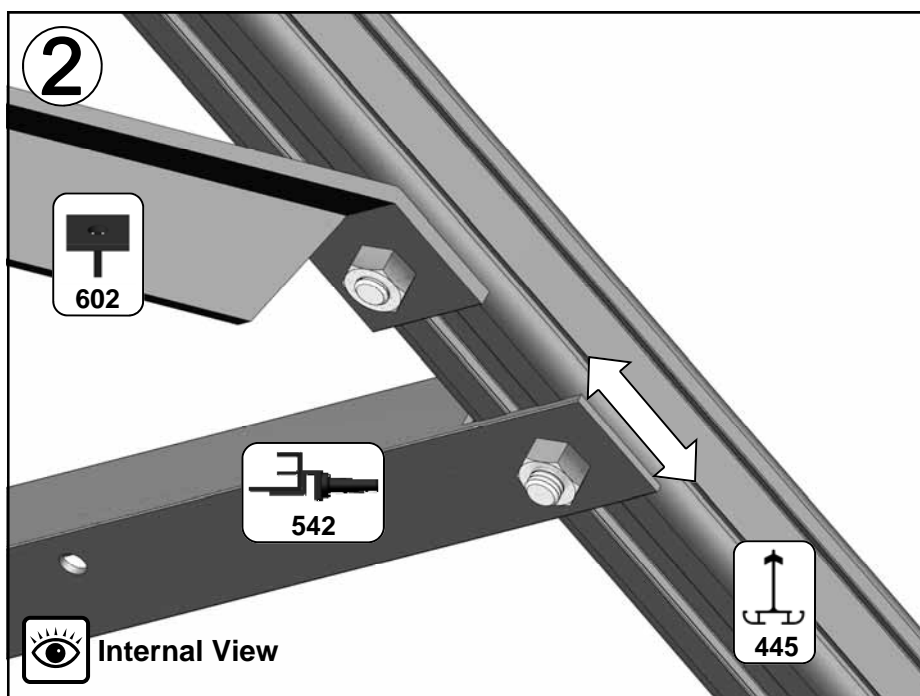
4

18



Slam Bar (542)

Attach the slam bar to the extra bolts you inserted (page 14). Leave these finger tight as you will need to adjust the height of the slam bar when installing the glass. The slam bar should slot over the top edge of pane 'U'.

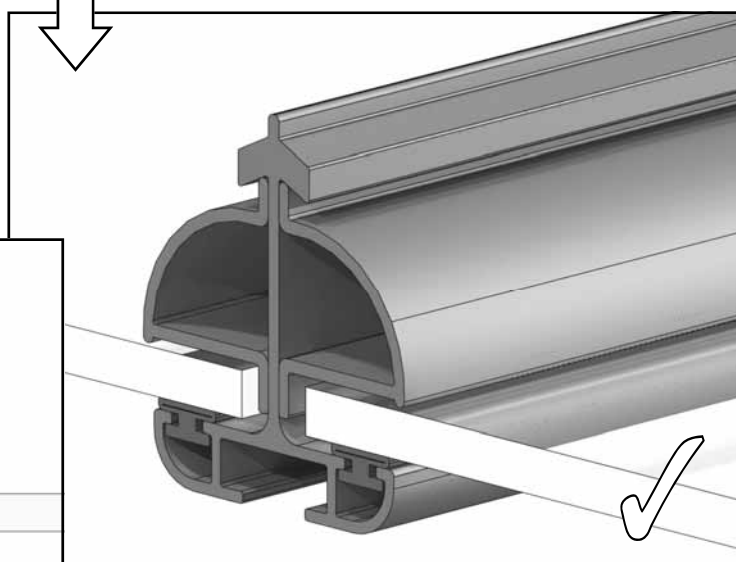
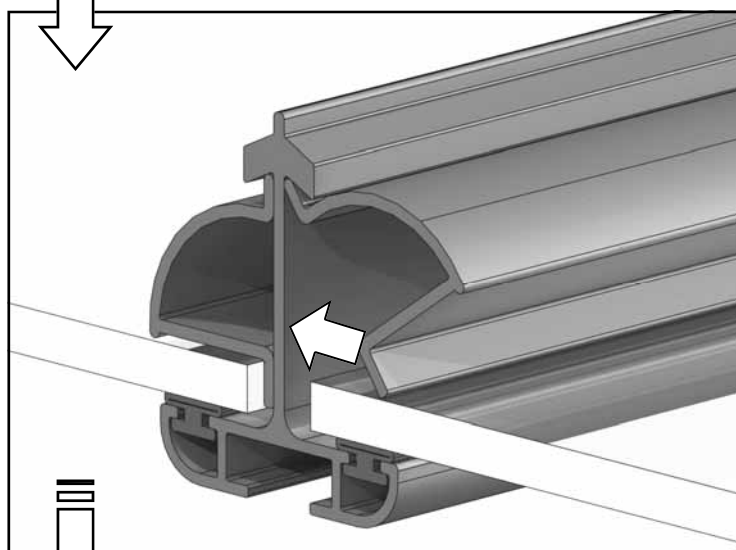
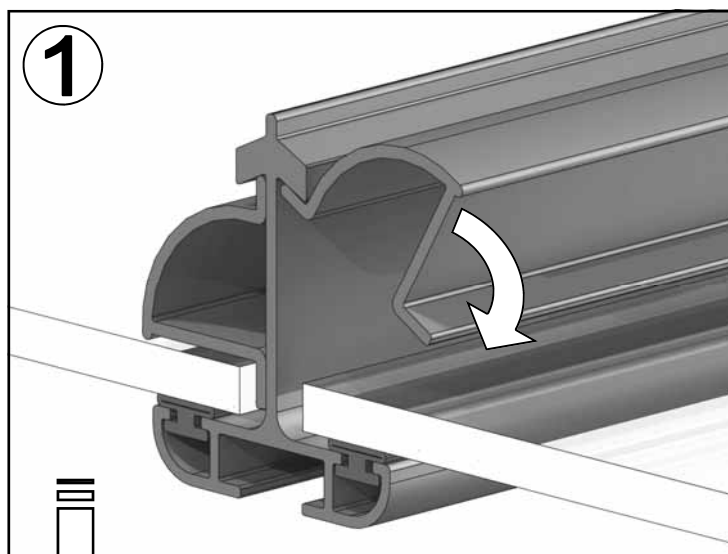


IMPORTANT

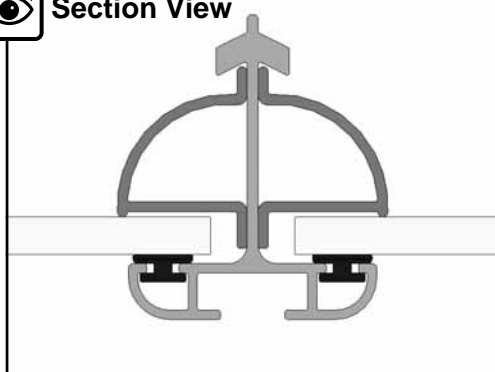
- Do not fix the greenhouse to the base until the greenhouse is fully glazed.
- When installing the under vent pane (U) trim the capping to allow the vent to close.
- Don't fit the pane above the door (QQ) until you have installed the doors. This will help with adjustment for a smooth running door.

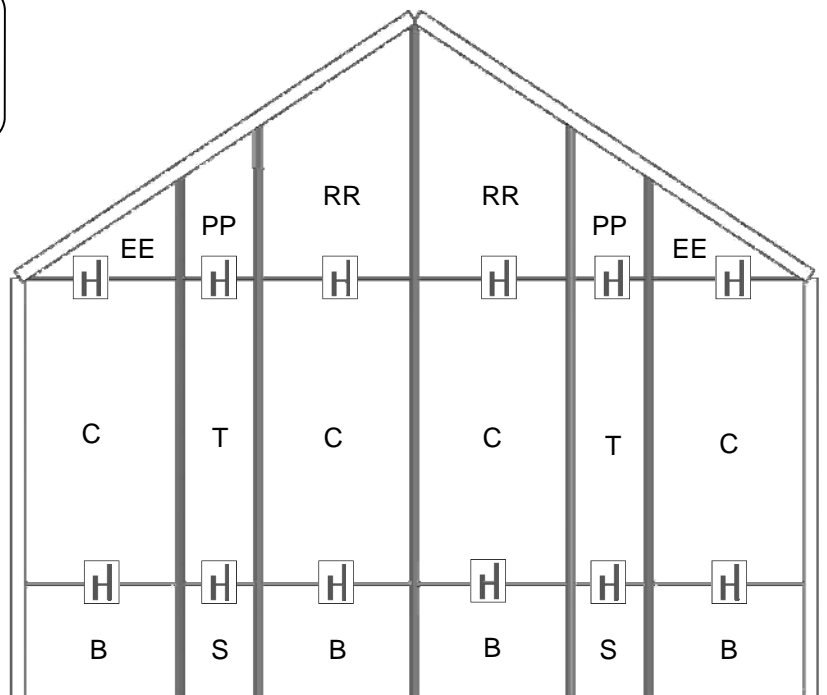
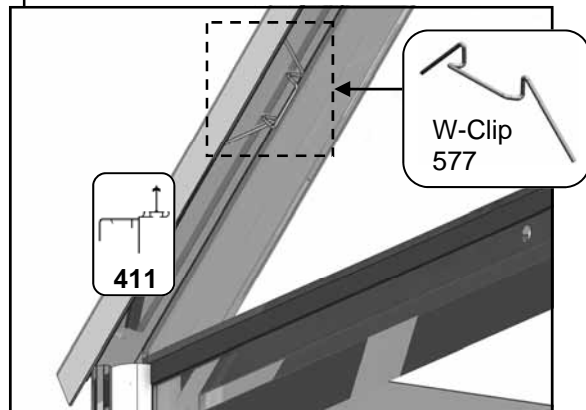
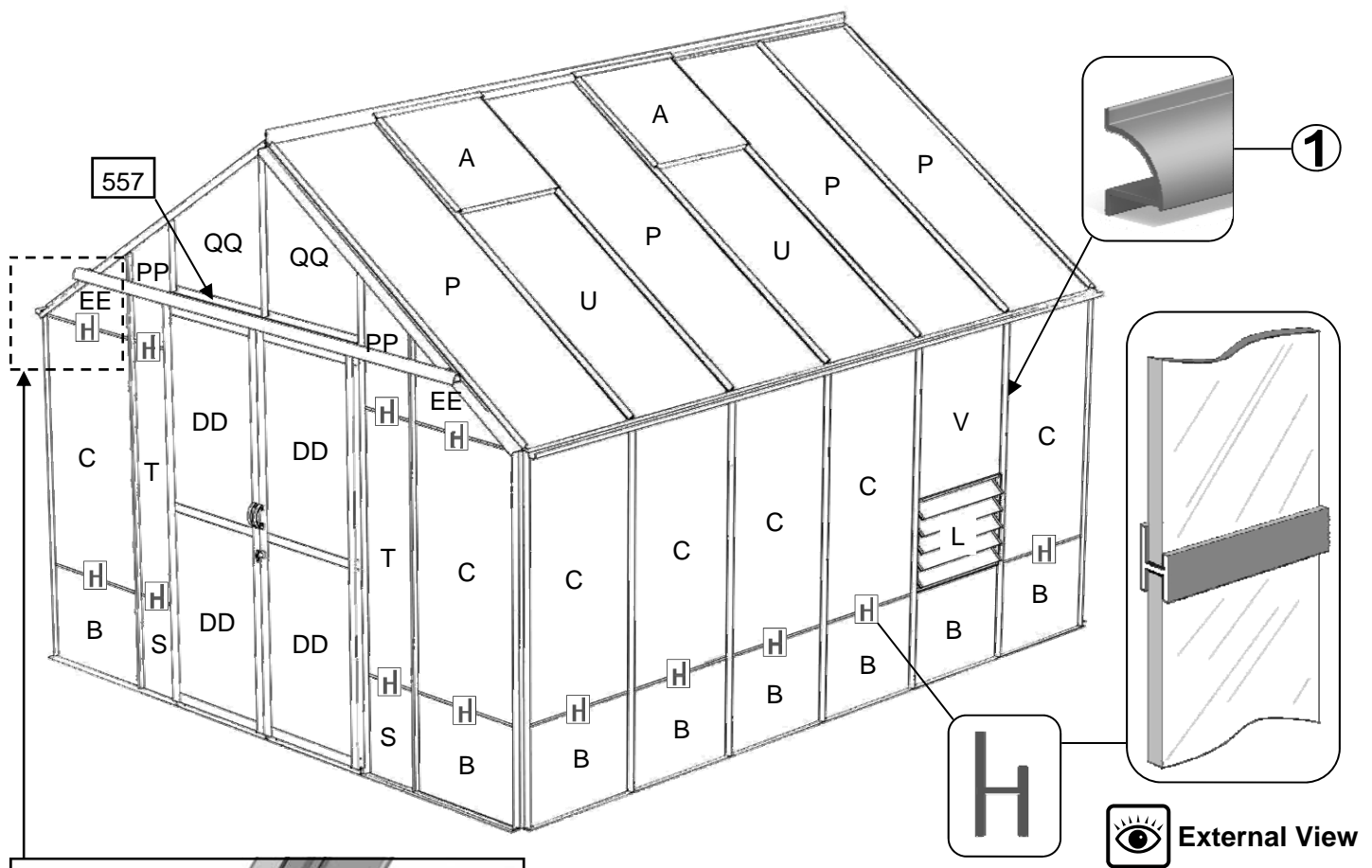


Part	Size (mm)	106	108	1010	1012
A	610 X 610	1	2	3	4
B	610 X 457	12	14	16	18
C	610 X 1210	11	12	14	16
P	610 X 1890	5	6	7	8
U	610 X 1290	1	2	3	4
V	610 X 759	1	2	2	2
L	573 X 100	5	10	10	10
S	300 X 457	4			
T	300 X 1210	4			
DD	563 X 880	4			
EE	610 X 412 X 10	4			
PP	300 X 614 X 416	4			
QQ	610 X 715 X 312	2			
RR	610 X 1020 X 617	2			
H	610	20	22	24	26
557	590	2			



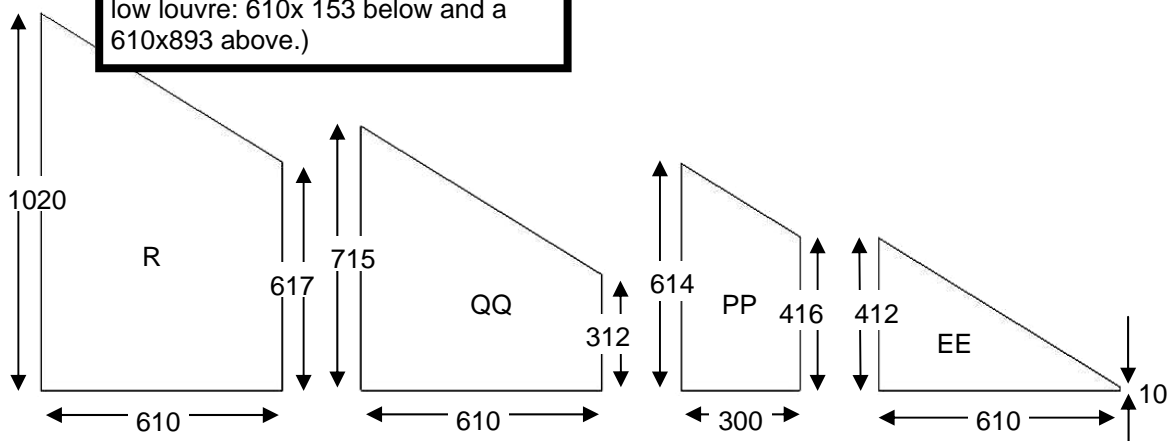
Section View





For Peak models with kick panels:

C becomes 610x1500
B becomes the aluminium kick panel.
 No plastic glazing separator is needed between the two.
 Louvre make up pane **V** changes to two panes: (one above and one below louvre: 610x 153 below and a 610x893 above.)

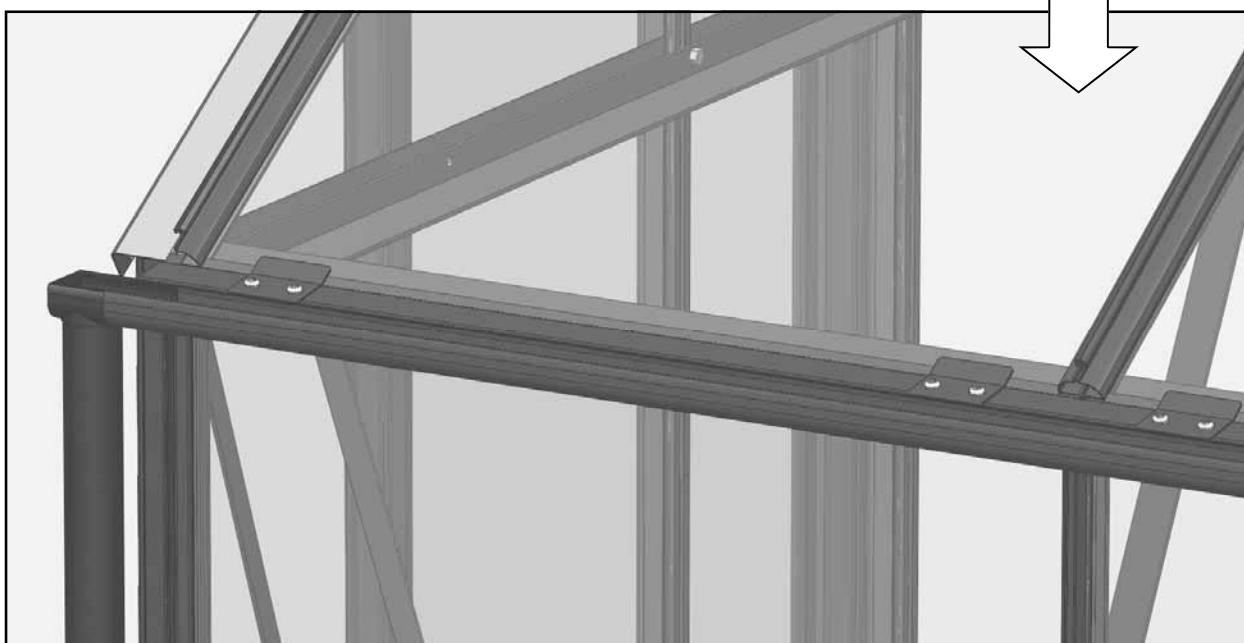
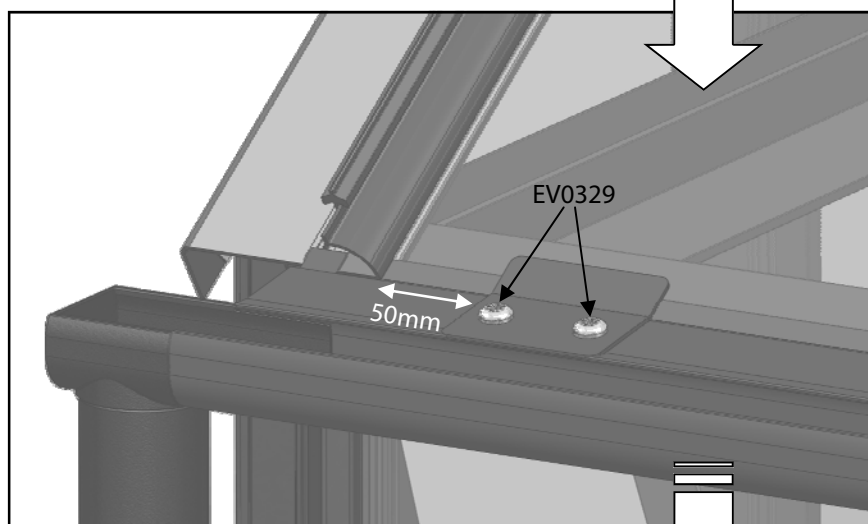
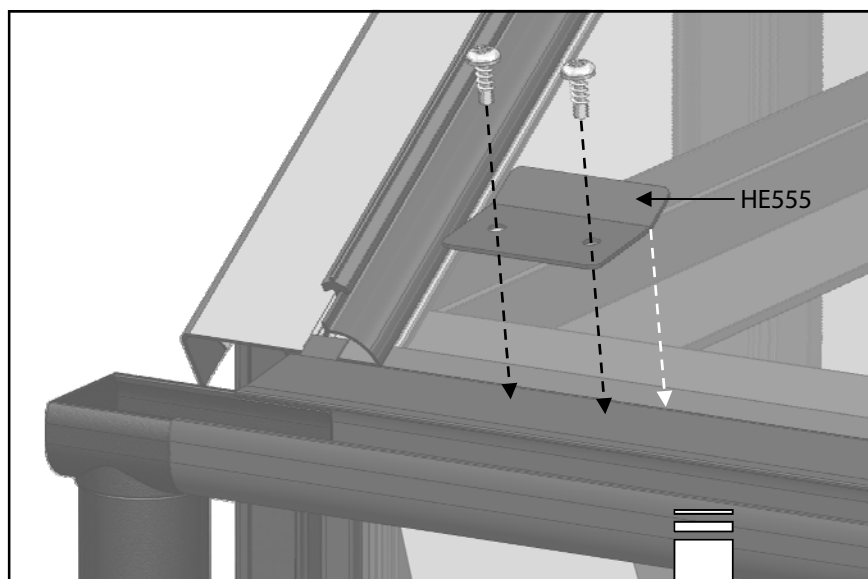


Glass Stops

Hercules glass stops require no drilling, simply line up the bend in the plate with the bottom off the roof sheet and fix using the self-start screws. A cordless screwdriver will be need to insert the screws.

It is **important** to position your glass correctly before you fix the stops as you would not be able to adjust this after. You should make sure the glass is lined up to locate in the groove of the eaves bar (gutter).

Position the stops about 50mm in from the glazing bar on each side to give an even and organised finish.



Louvre Assembly



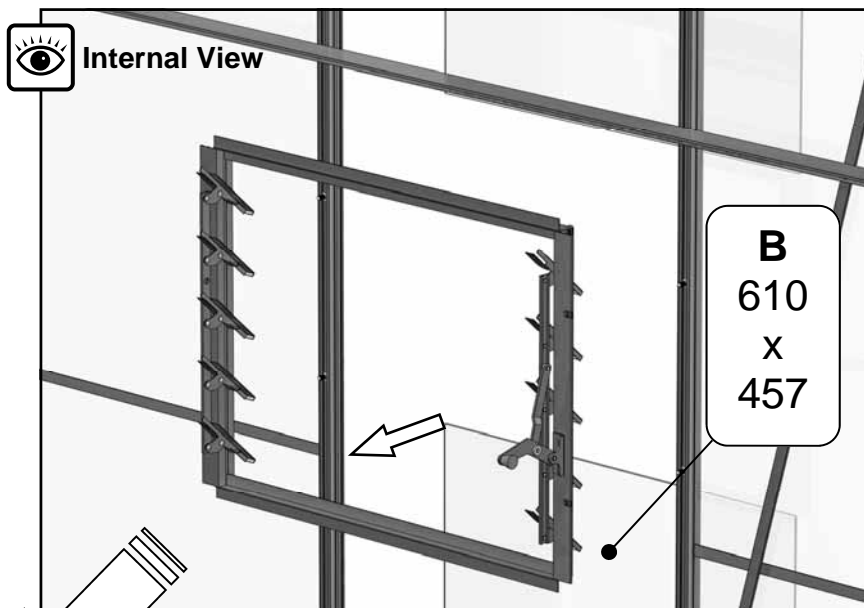
There are two ways of installing the bar capping around the louvre.

Option 1: Cut the capping above and below the louvre.

Option 2: Insert a full length of bar capping. You have to push the bottom edge in first between the louvre and the glazing bar. Once in position, push the top edge under the arrow head of the glazing bar.



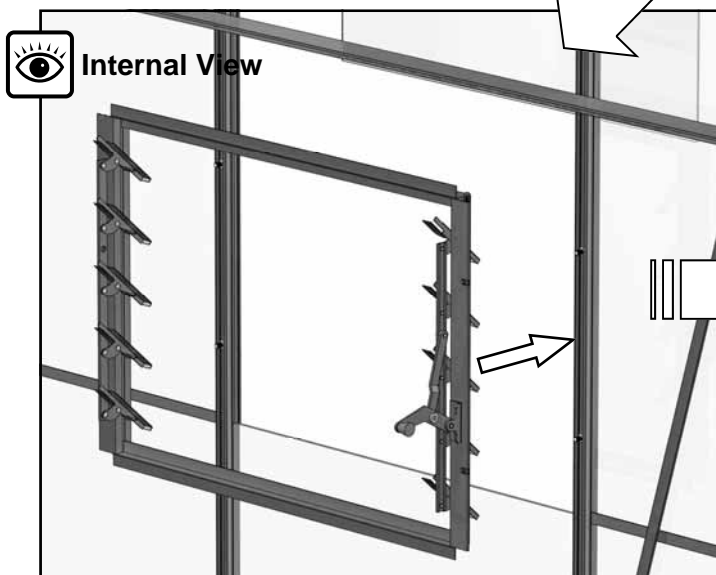
Internal View



B
610
x
457



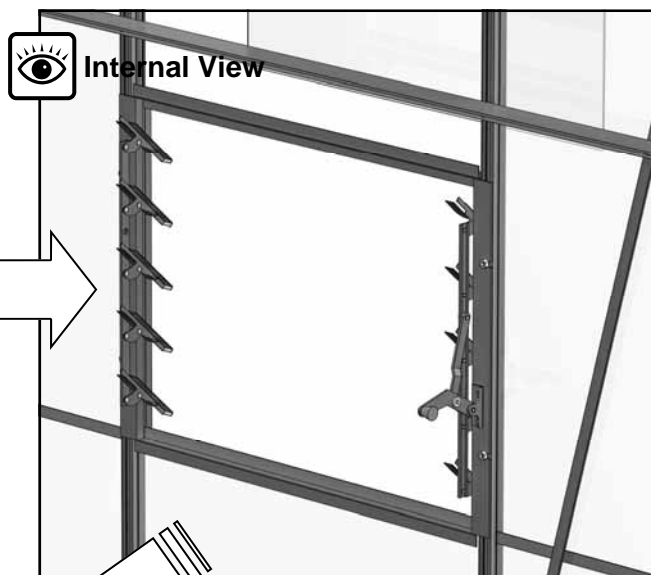
Internal View



L
573
x
100



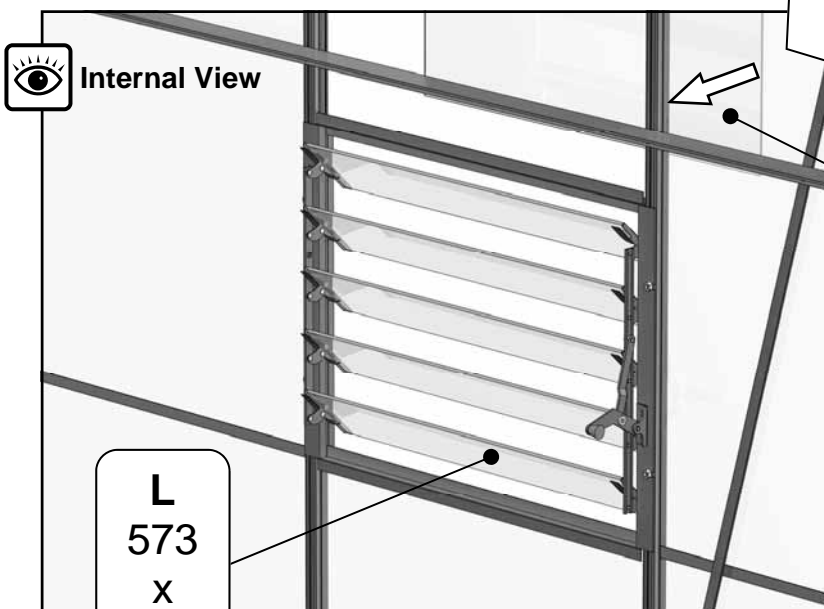
Internal View



W
610
x
1070









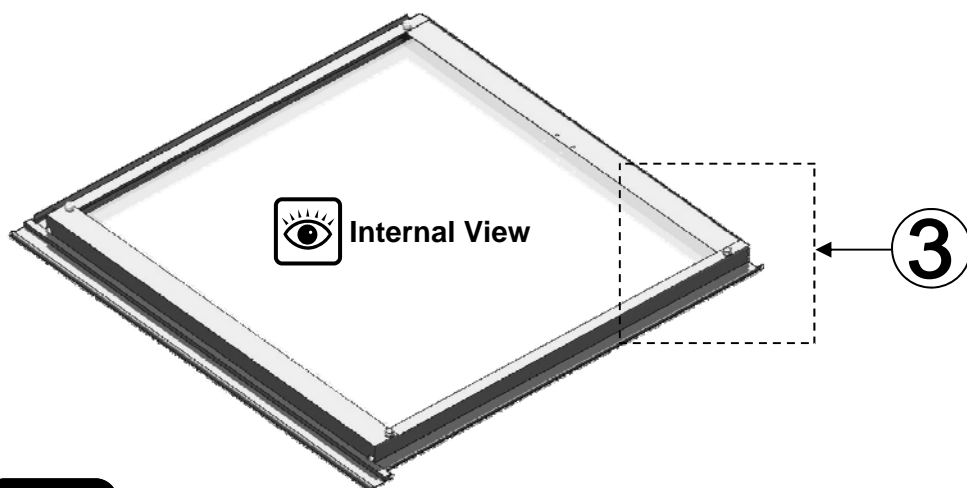
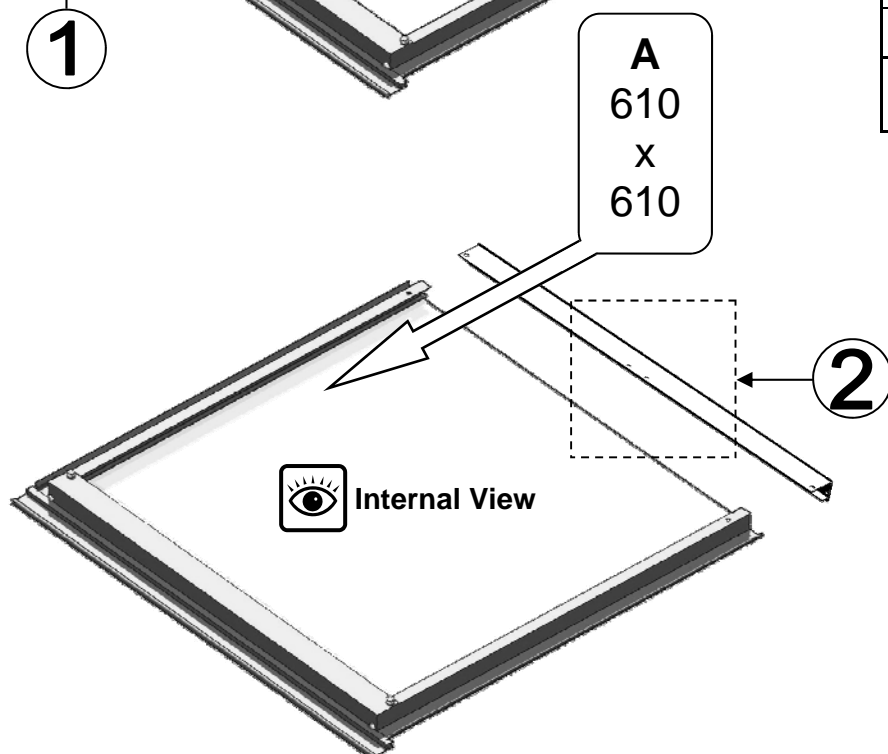
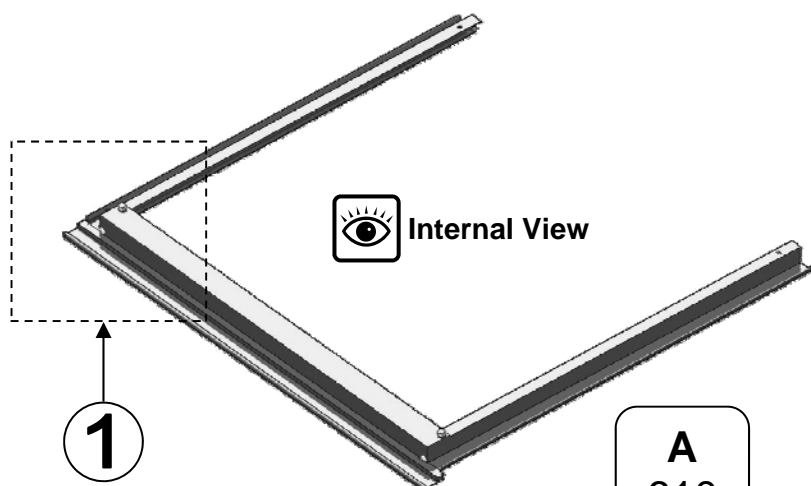
Internal View

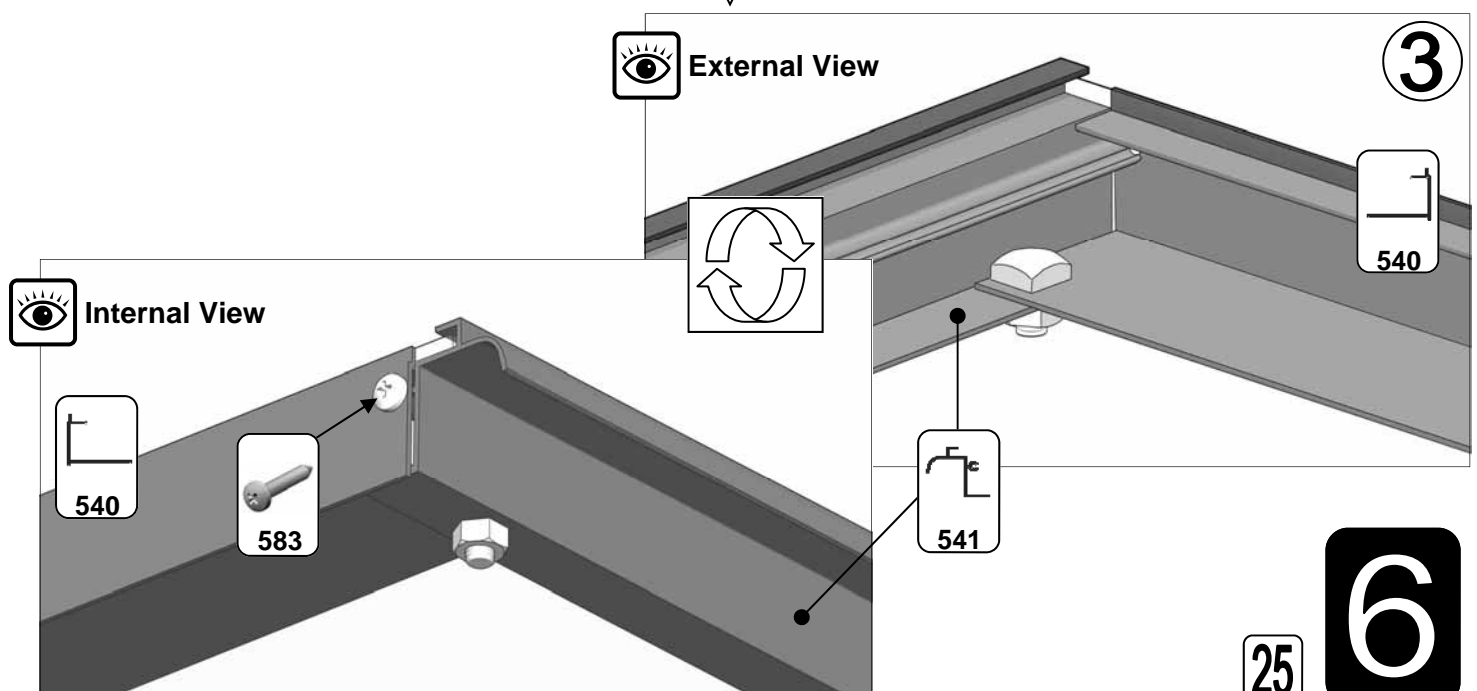
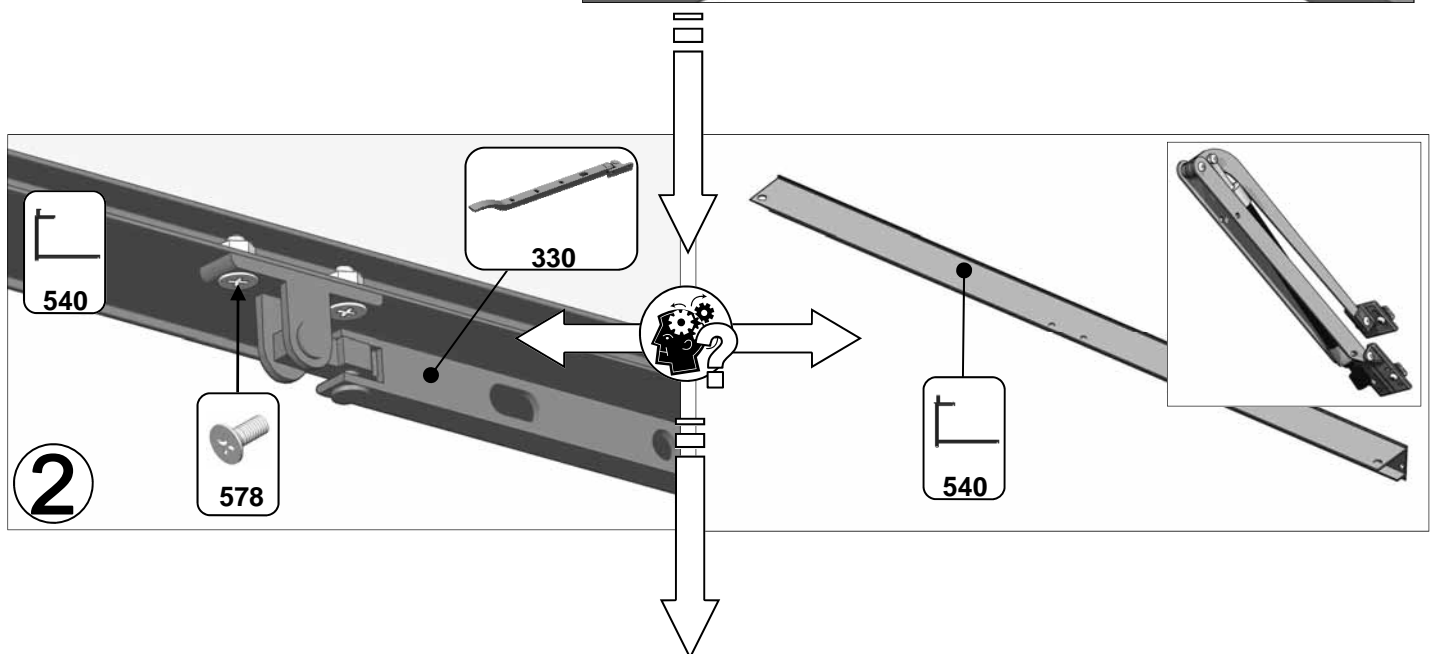
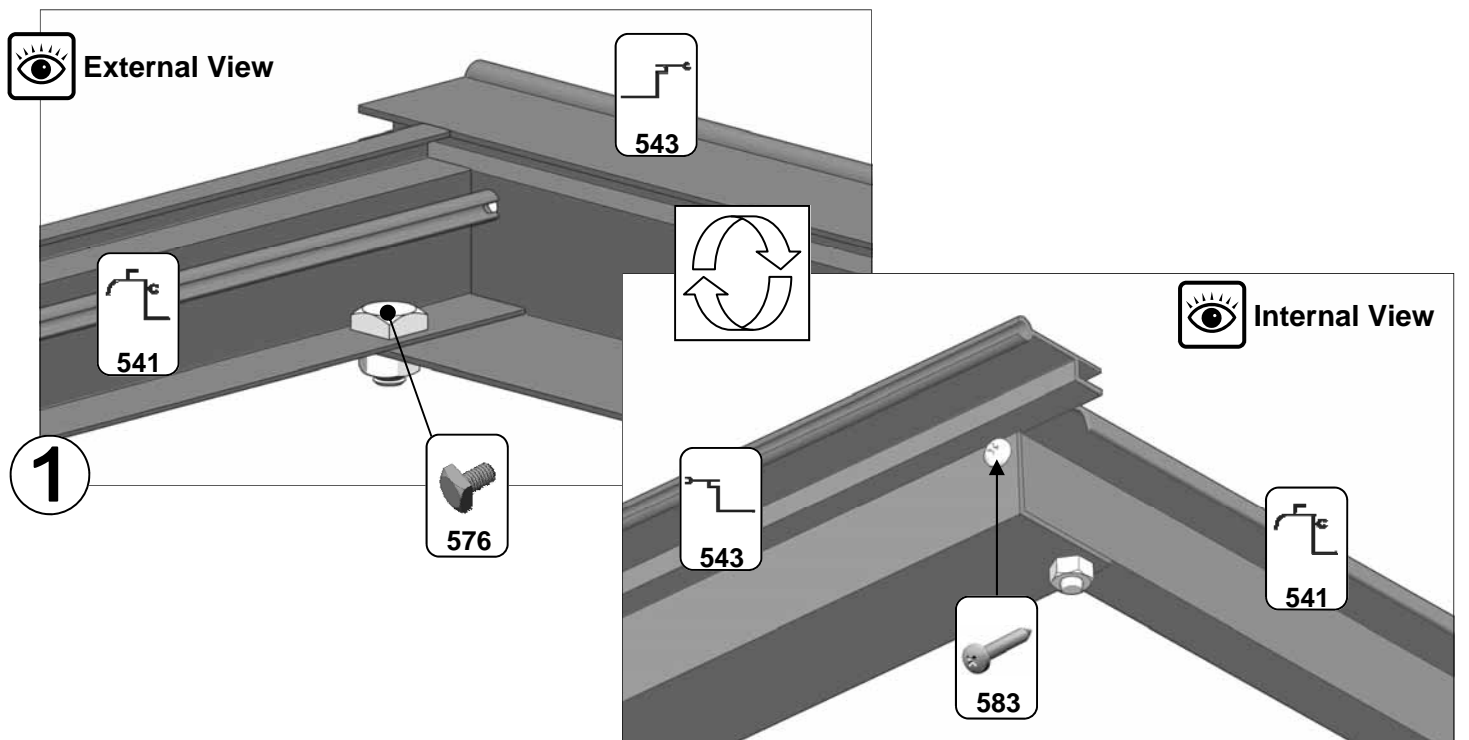


Vent Assembly

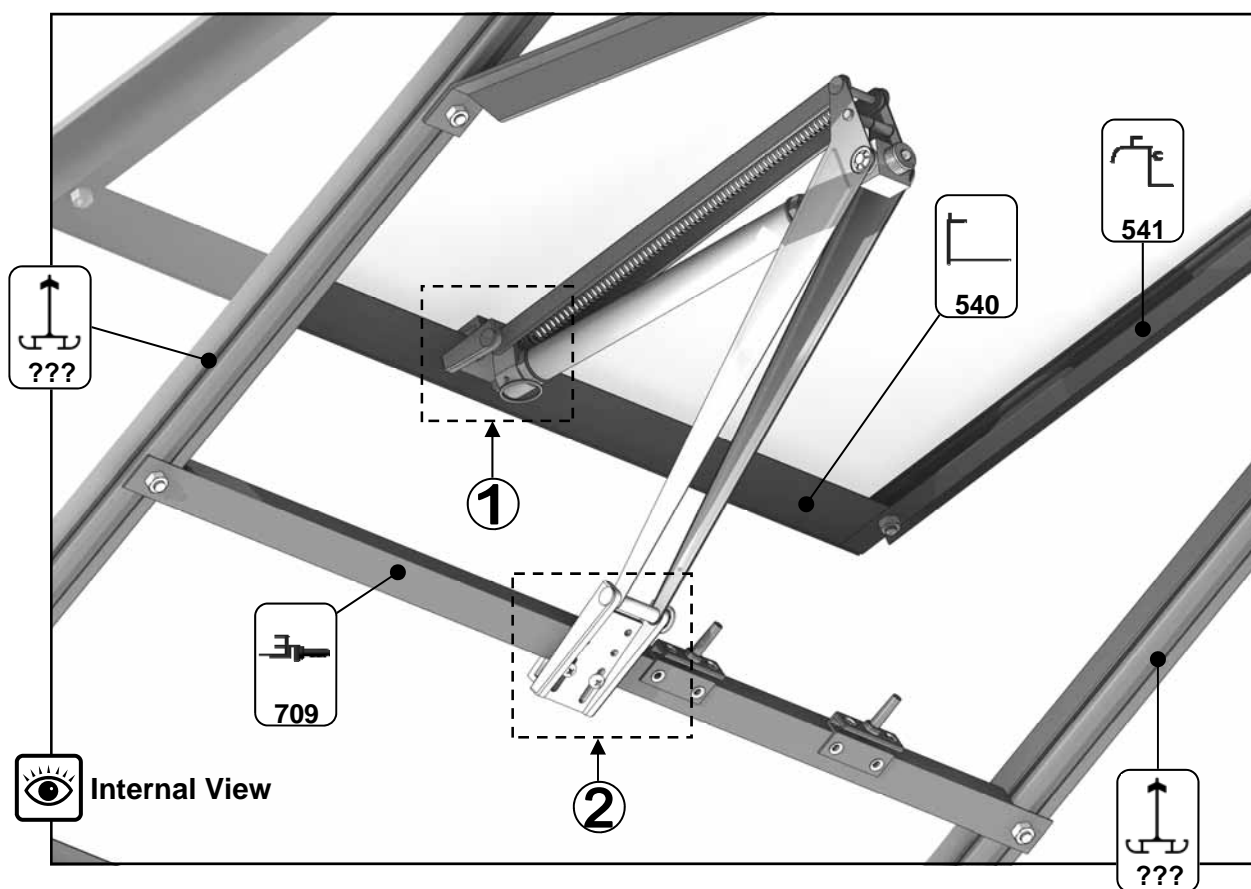
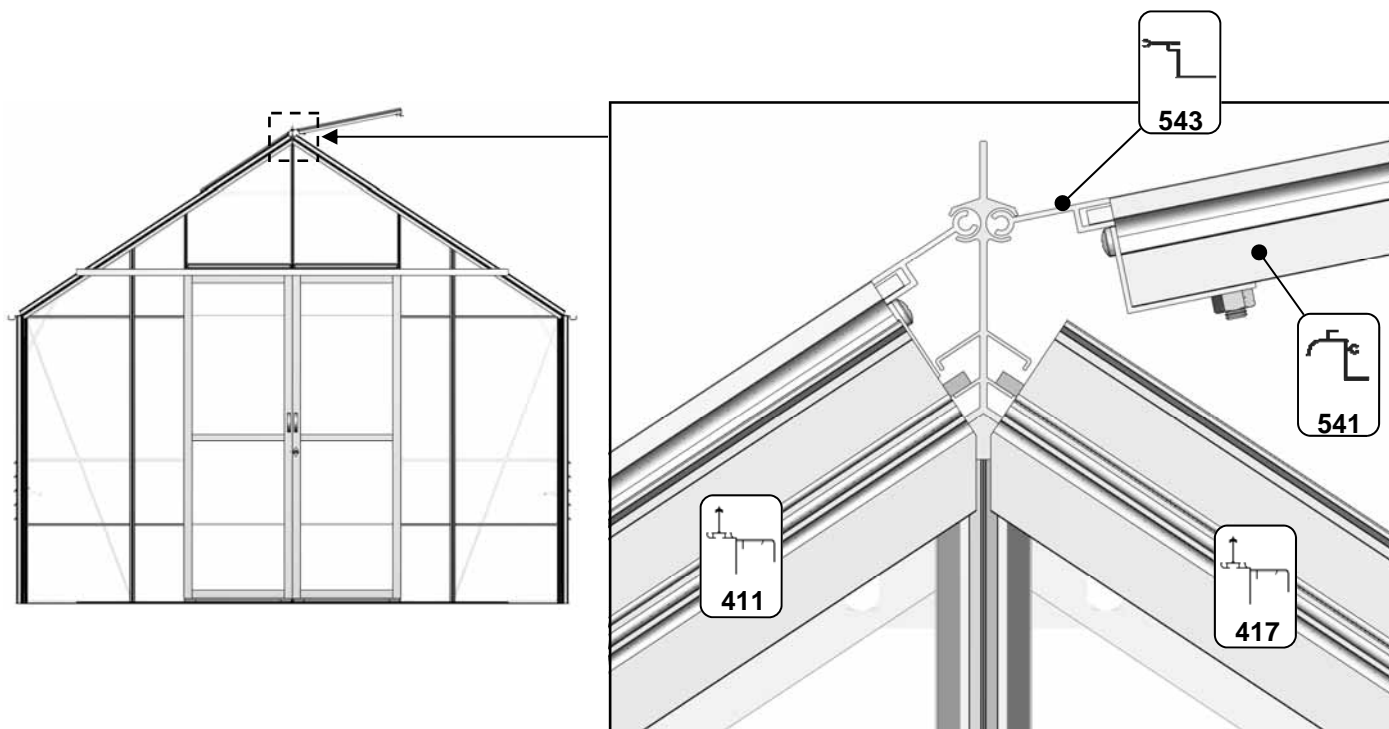
P45

Part No.	Size (mm)	Quantity
330	-	1
540	590	1
541	604	2
543	650	1
709	-	2
	M6 X 10	4
	M6	6
	M6 X 10	2
	M4 X 10	6
	M4	6
	M3.5 X 19	4

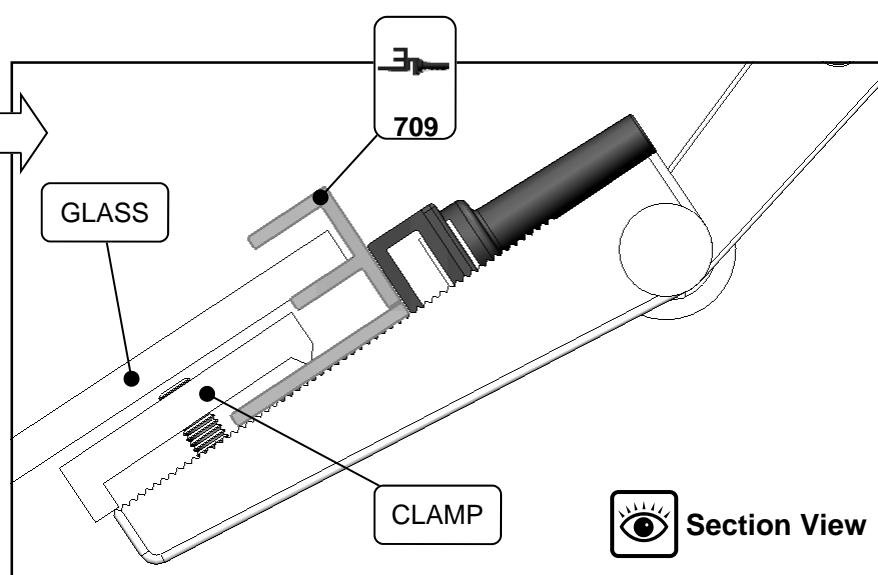
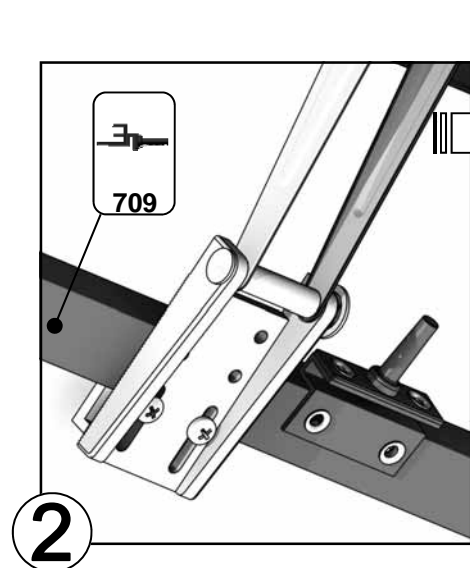
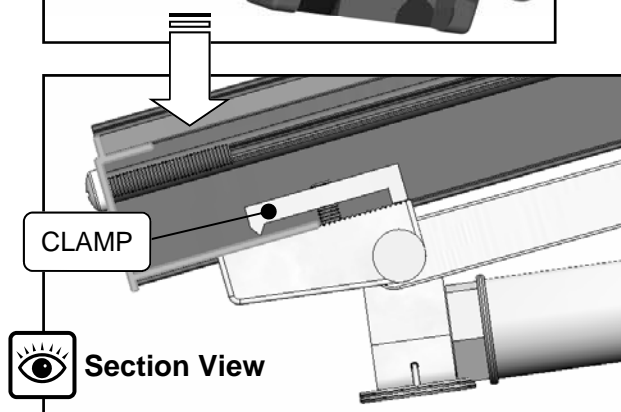
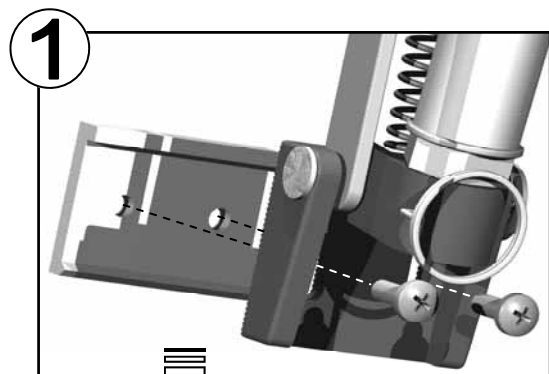
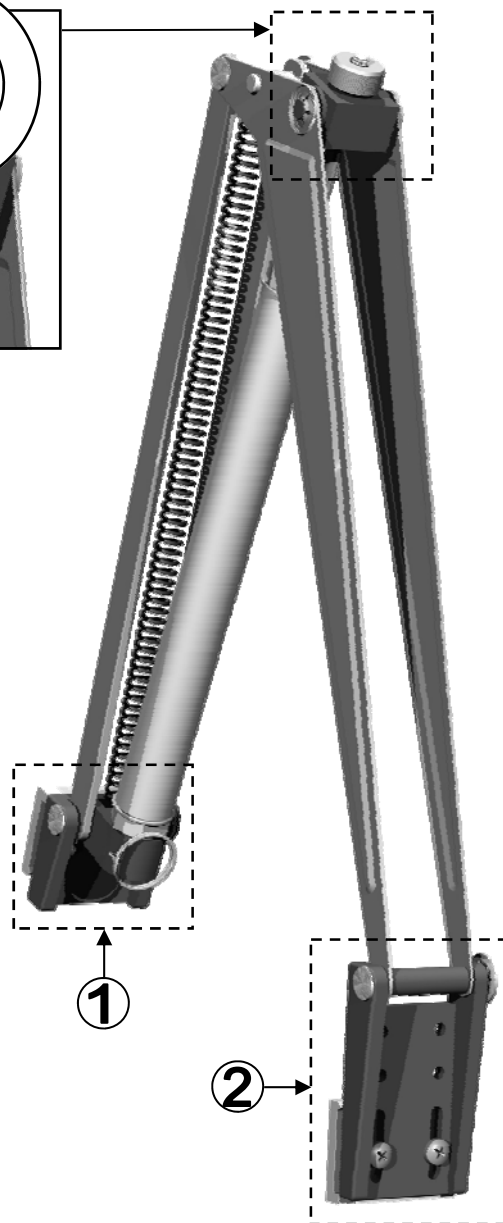
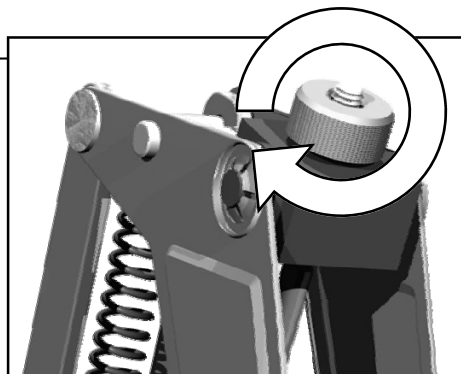




XL Autovent Attachment to Hercules Greenhouses



Rotate to adjust the position of your vent. You should take the weight of the vent in one hand while doing this.



Door Assembly

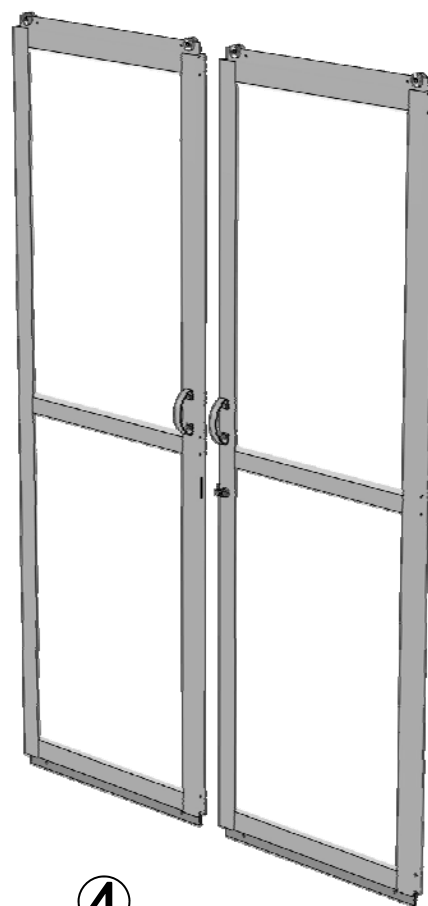
P41

Start by fixing the door middle in place (373). Make sure this is the correct way up (the channel should face down). Slide the edging strips into place (558), then slide the glass into the edging strips. Then slot the top and bottom into place.

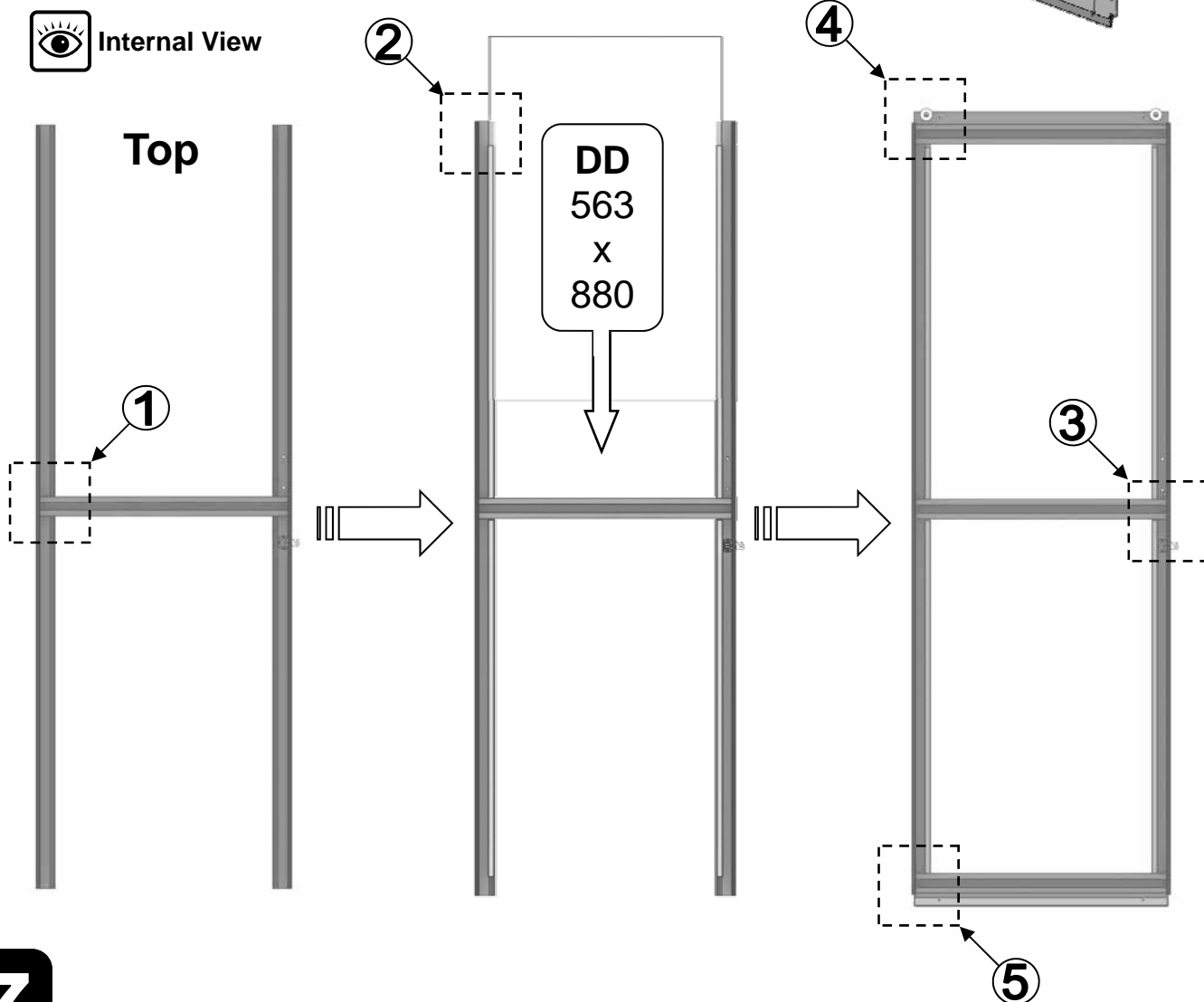
Troubleshooting

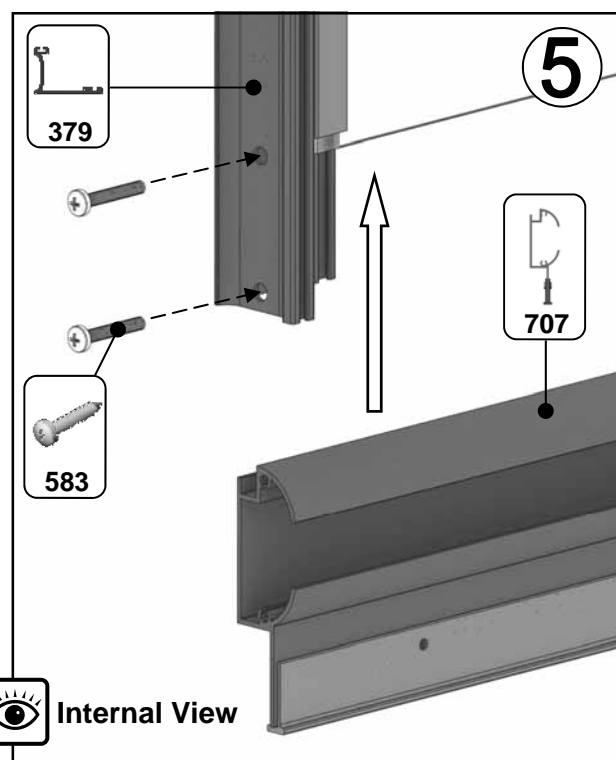
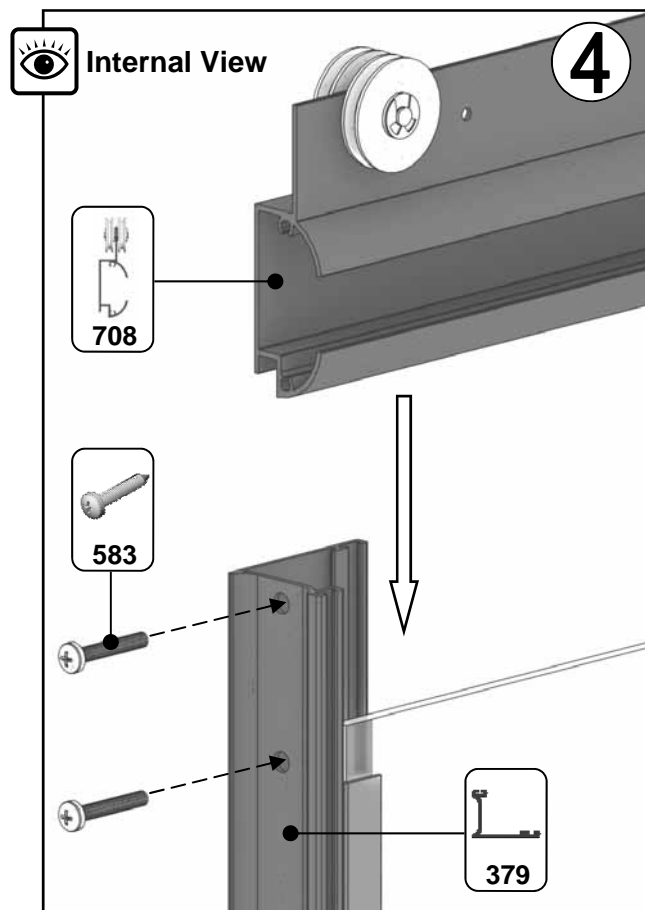
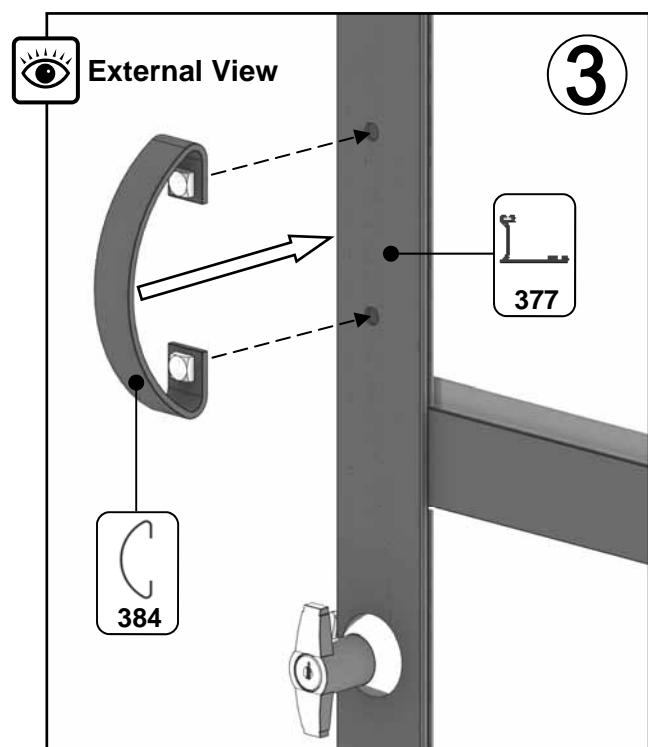
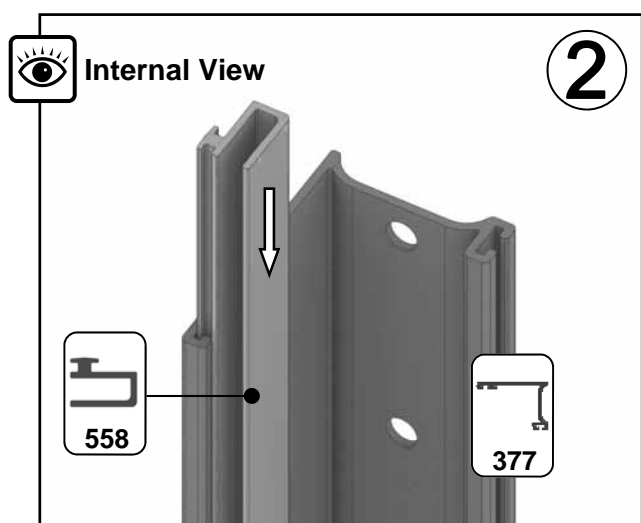
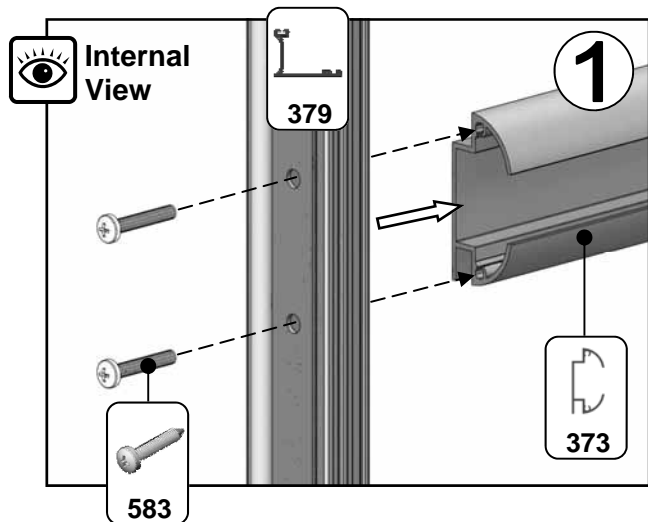
If the top and bottom don't line up with the pre drilled holes in the door stiles:

- Try checking that the glass has located with the door middle correctly.
- Check that the edging strip isn't interfering with the door top/bottom.



Internal View





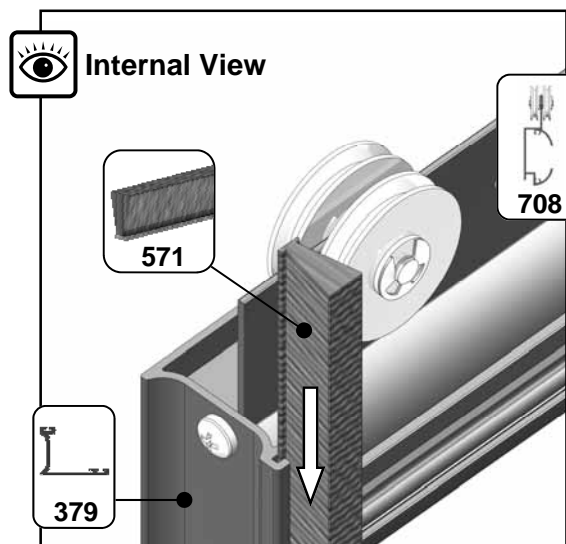
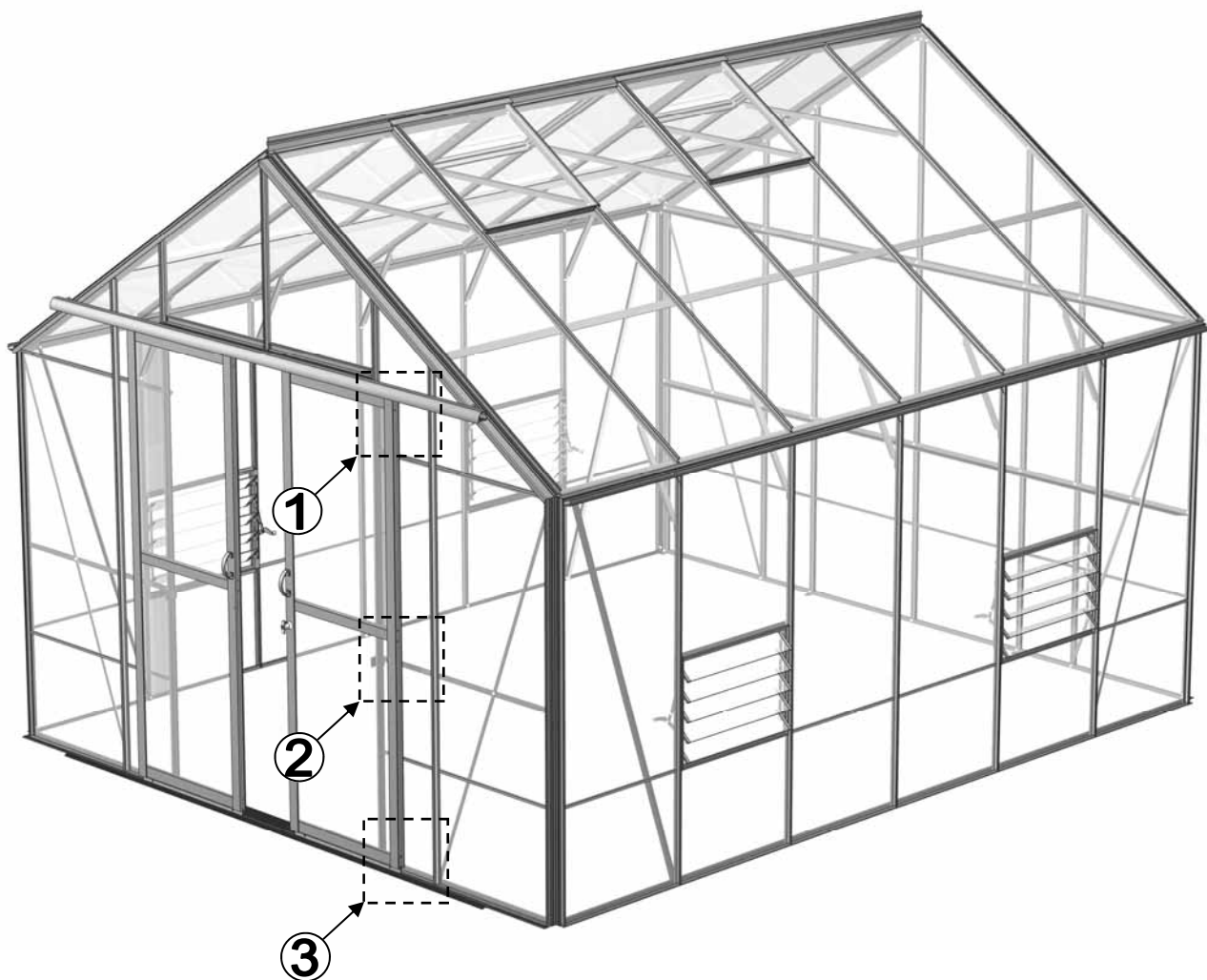
Door Installation

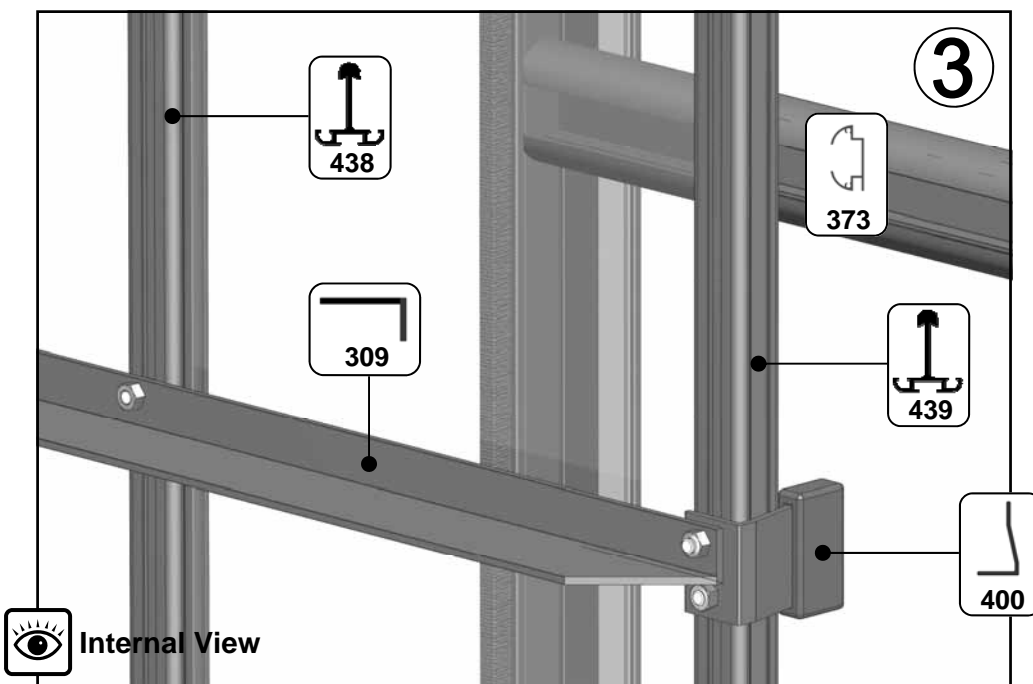
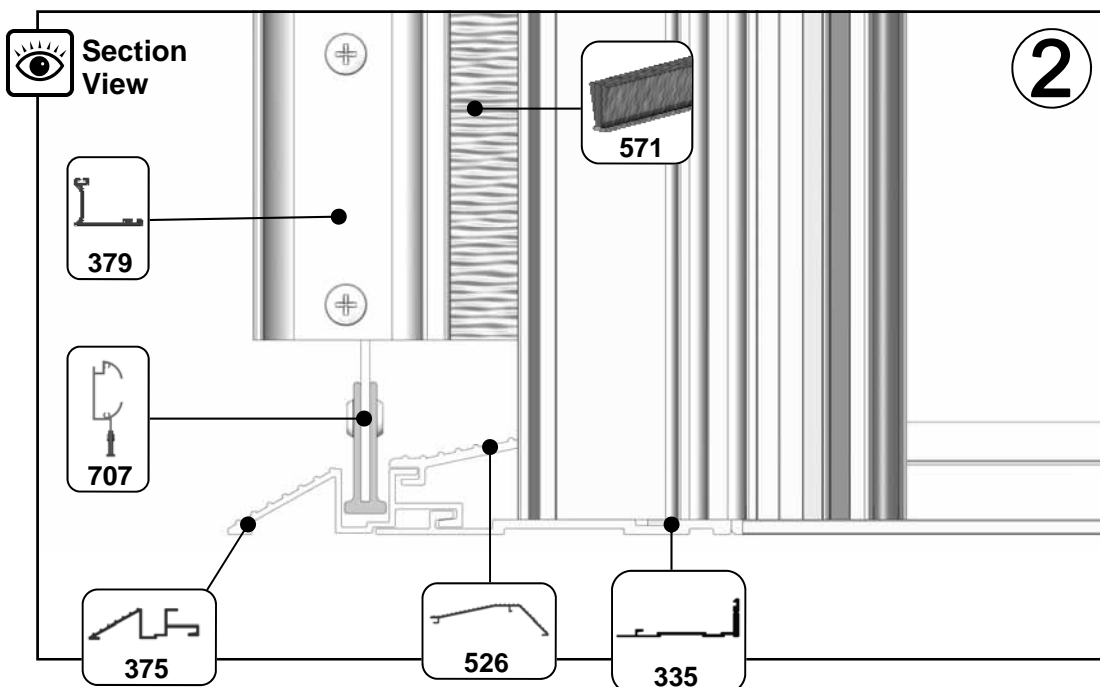
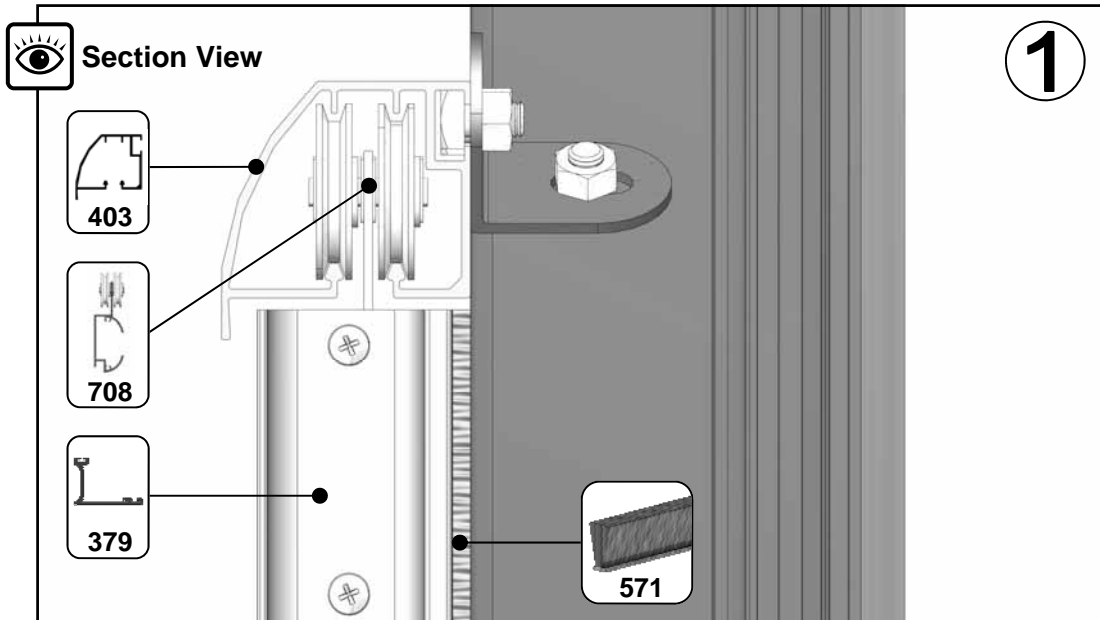
First you must insert the door fluff (371) into the door stiles (379).

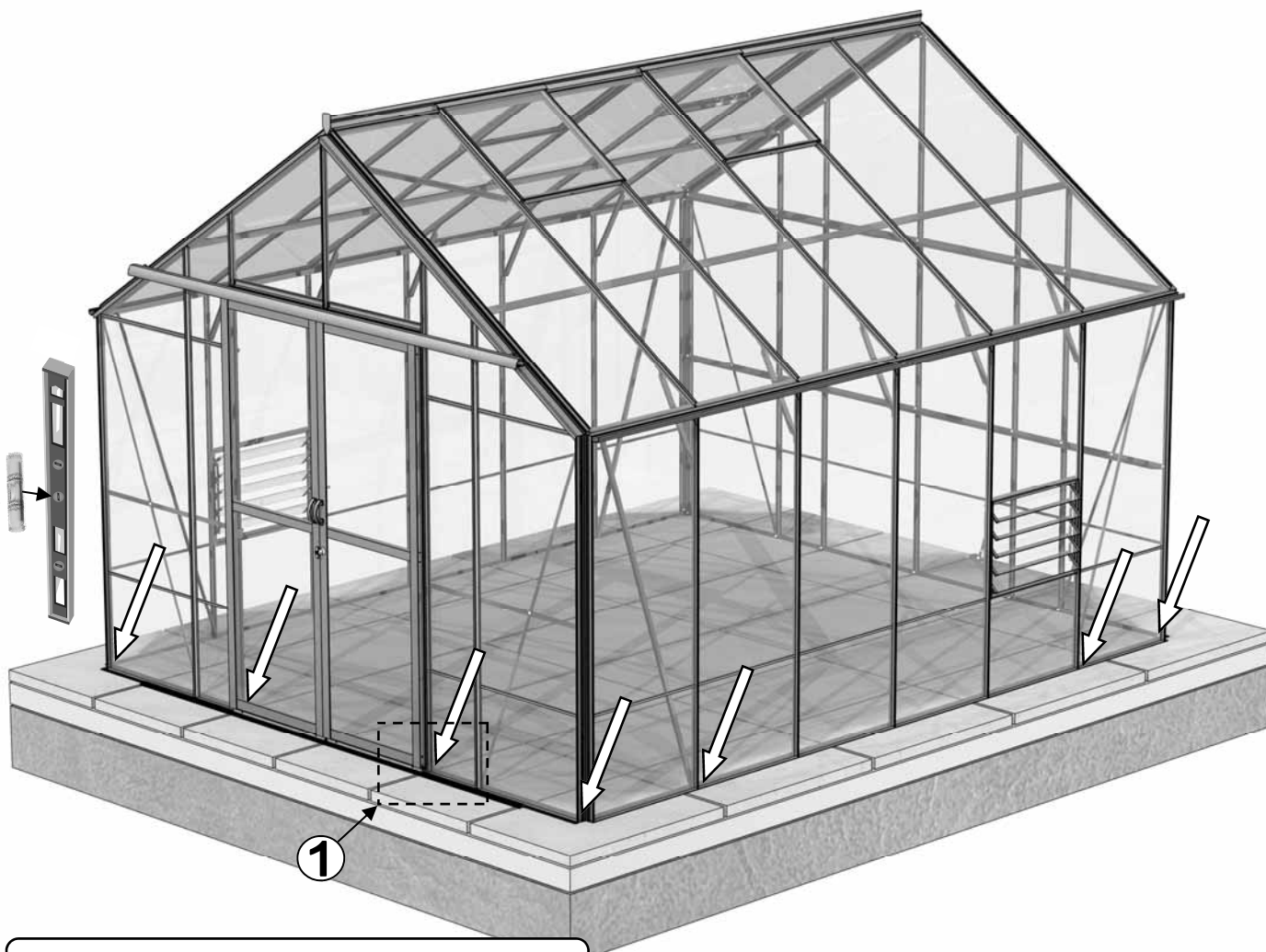
To locate the door wheels and the door guide you will probably have to adjust the height of the door track (402), you do this by loosening the bolts that join the door track support bracket to the glazing bars.

If you find that the door doesn't run very well at first, try adjusting the bolts on the main door track support. (You can also use WD40 on the door wheels and rails for an even smoother running door).

General maintenance: For a smooth running door you should oil the wheels regularly and keep the bottom door runner clear of grit by swilling with water.



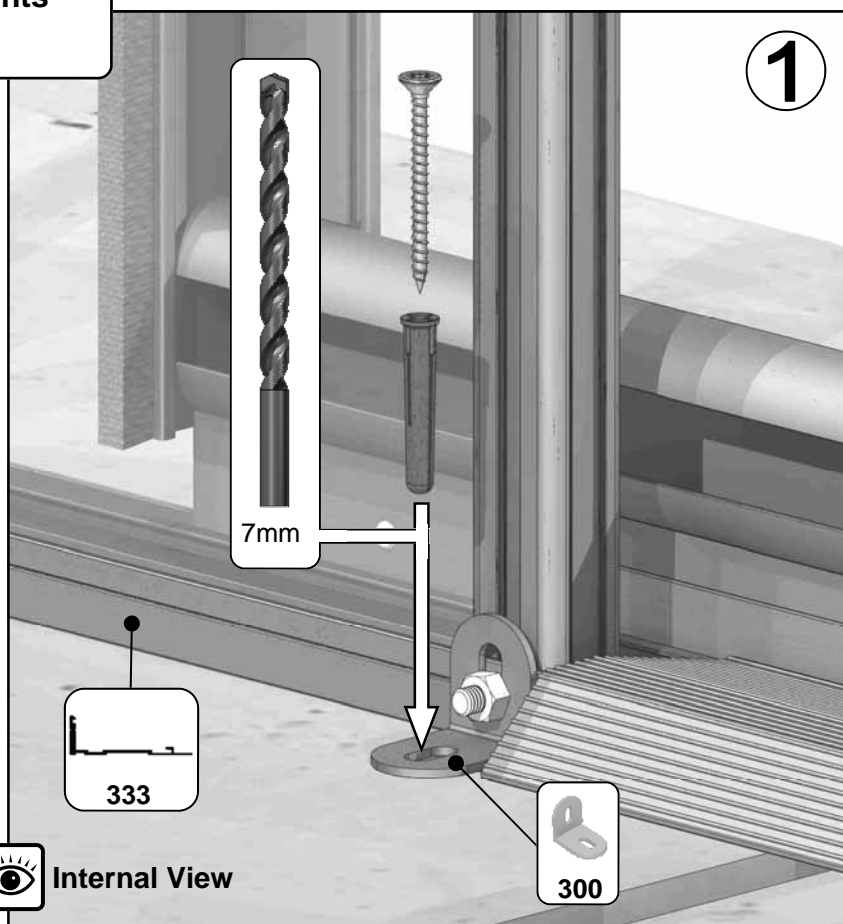




Fix the greenhouse to the floor using 2 inch screws and rawl plugs. Ensure the greenhouse is level and the uprights are vertical before fixing.

IMPORTANT

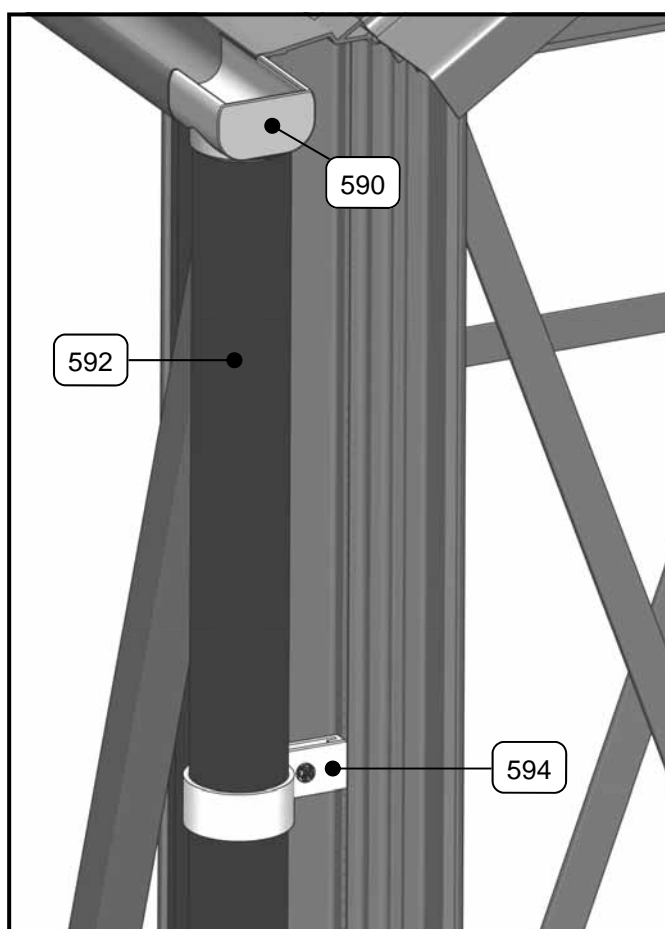
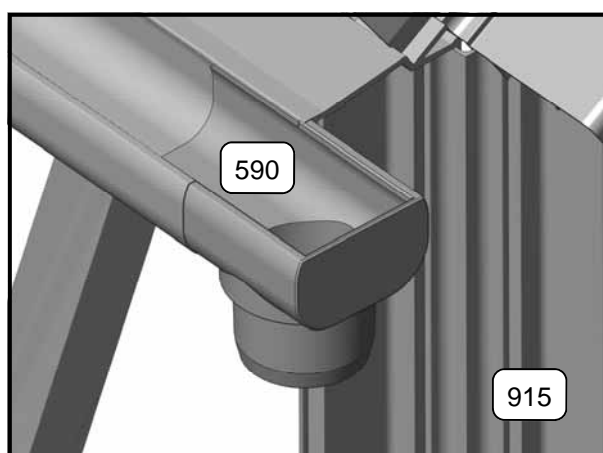
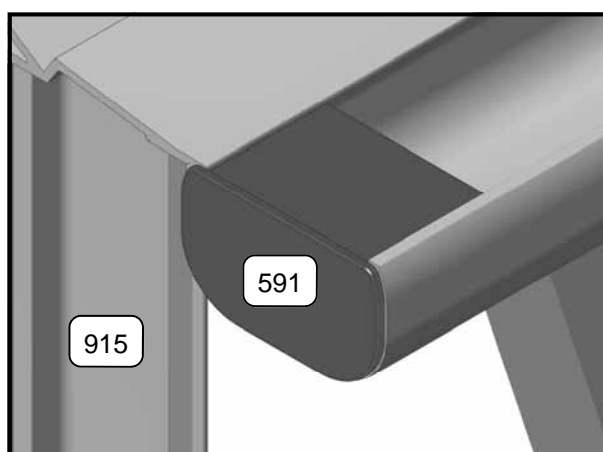
Do not fix the greenhouse to the base until the greenhouse is fully glazed.



Downpipe Instillation

1. Firstly you need to decide whether you want the water in your gutters to drain to the front or the rear of the greenhouse.
2. The gutter outlet and stop end simply push into the gutter. For an even better seal you could run a bead of silicone around the inside edge of the gutter before inserting the outlet and stop end.
3. Now take the downpipe and slide on the bracket. Insert the downpipe into the outlet.
4. When you are happy with its position line up the bracket with the side corner bar and fix using one of the 2 methods on the next page (page 34).
5. Finally push the 45 degree pipe (593) onto the end of the downpipe to direct the flow of water.

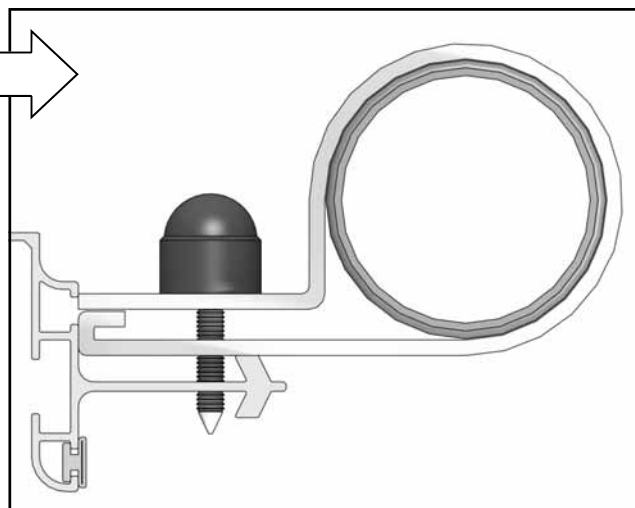
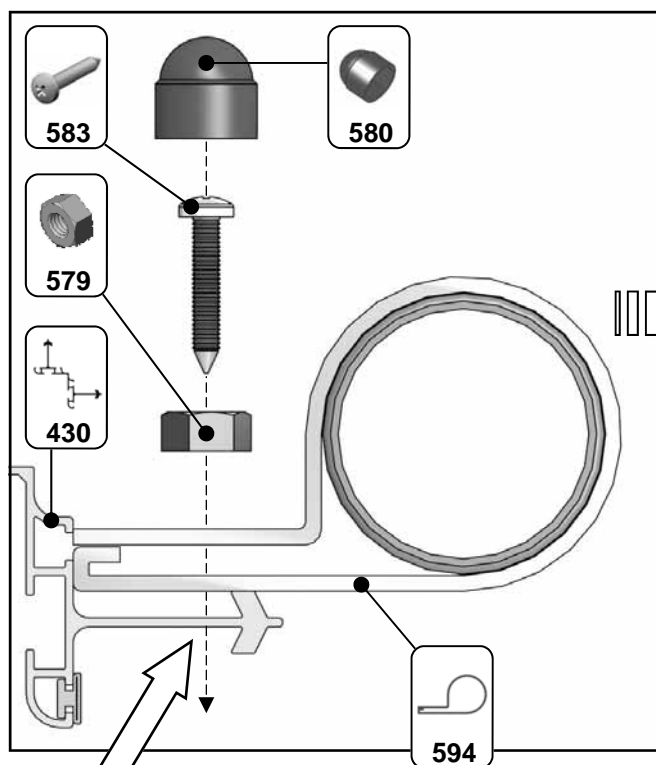
Part Name	Part No.	Length mm	Qty Required
Gutter outlet	590	70	2
Gutter stop end	591	26	2
Downpipe	592	1500	2
45 degree double collar	593	-	2
Downpipe bracket	594	-	2



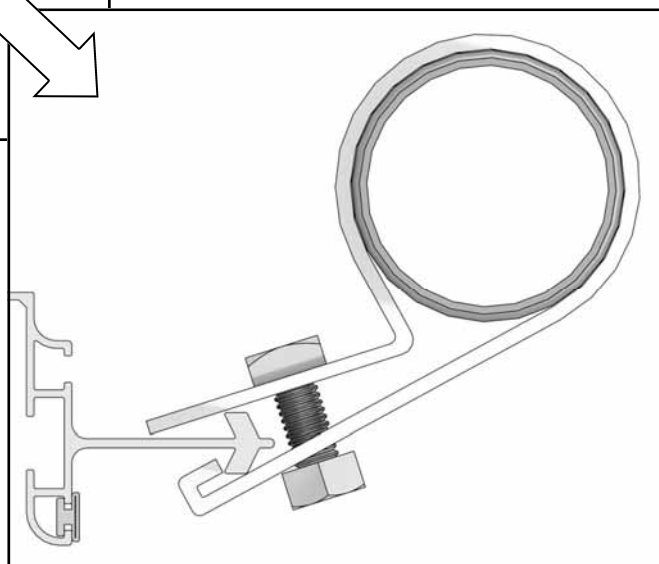
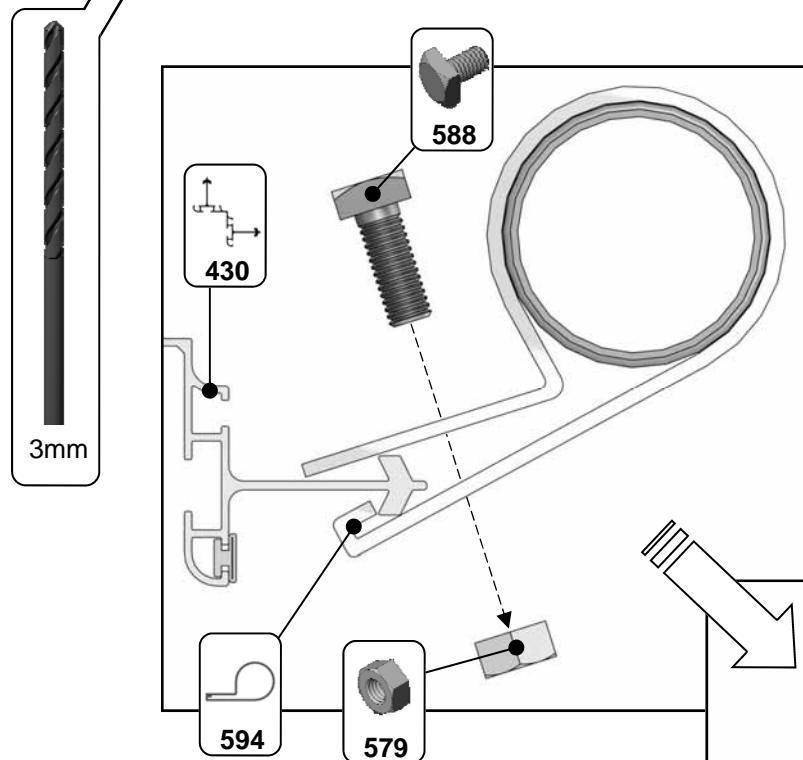
Downpipe Attachment

Choose one of the options for attaching your downpipes. It is entirely your preference, either method is as good as the other.

Option 1



Option 2



The Greenhouse People
Unit 19, Blythe Park
Cresswell
Stoke-on-Trent
Staffordshire
ST11 9RD
01782 388811
info@greenhousepeople.co.uk