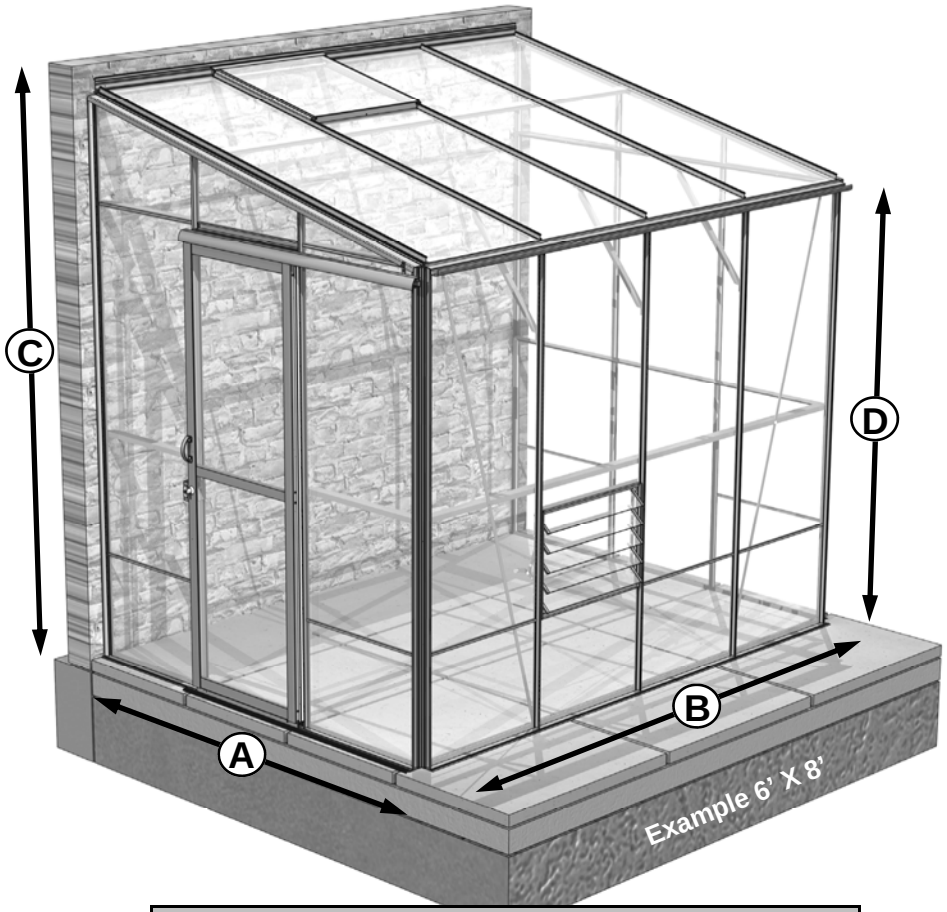
WELLINGTON

BEETHOVEN



External Frame Dimensions (for base sizes see page 3)				
Size Range	**A (mm)**	**B (mm)**	**C (mm)**	**D (mm)**
6'5" x 6'8"	1952	2036	2495	1985
6'5" x 8'8"		2656		
6'5" x 10'9"		3276		
6'5" x 12'9"		3896		

Issue 1

GB

Thank you for purchasing your new Wellington greenhouse. We recommend you familiarise yourself with the instructions and read all safety information before you commence assembly.

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

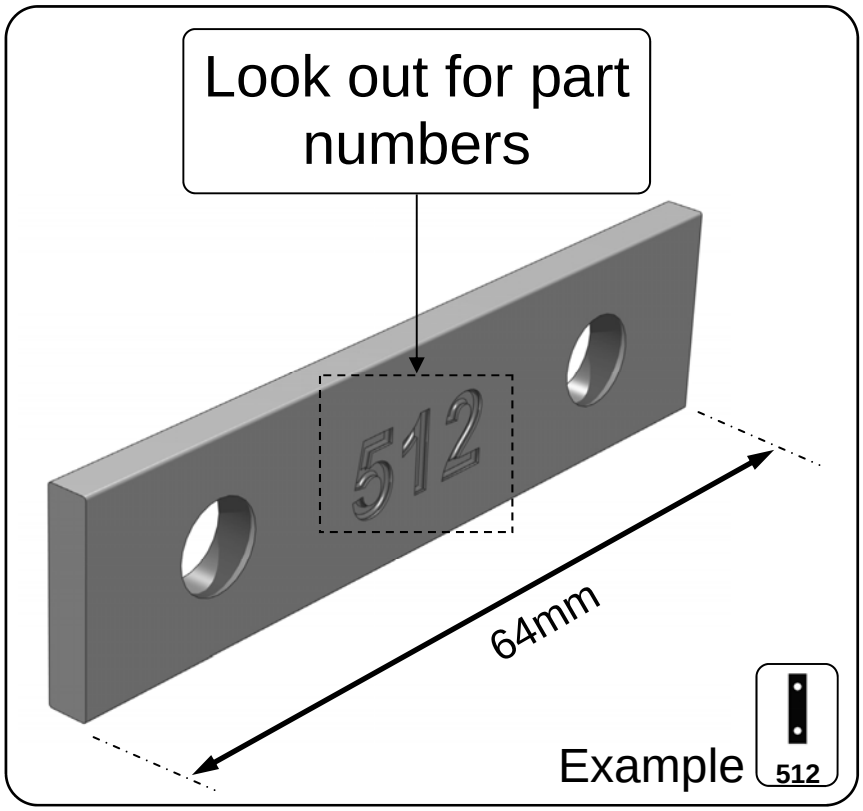
- When selecting a site for your greenhouse, it is vital that you choose as flat and level an area as possible.
- A concrete or slabbed base will provide the most solid foundation for your greenhouse.
- Avoid placing your greenhouse under trees or in other vulnerable locations.
- To minimise the risk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

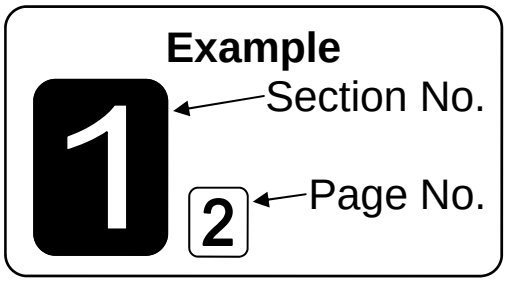
Additional Considerations

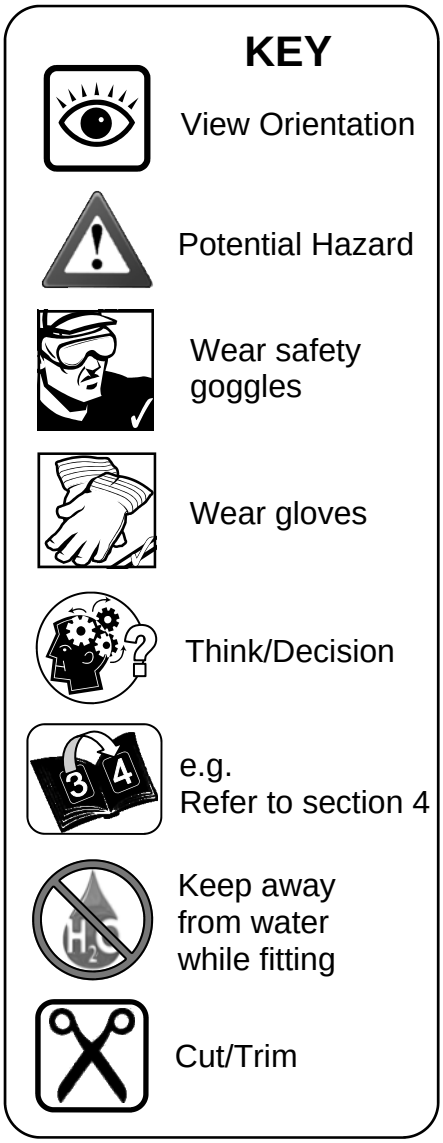
- Please bear in mind that assembling your greenhouse can be time consuming. You may need to spread the construction over two or more days. We recommend that you avoid leaving the building partially glazed. If you ever have to leave your greenhouse half assembled and not anchored down, weigh it down 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.

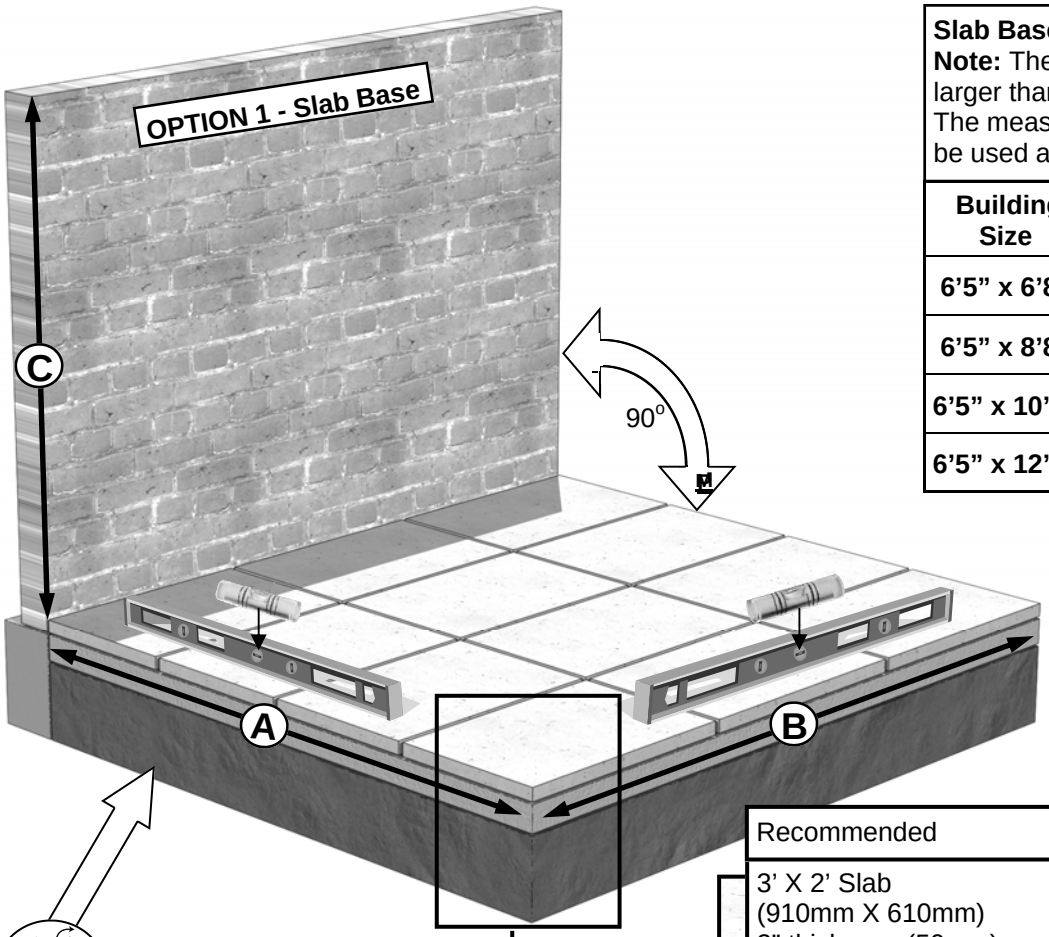
Guarantee

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







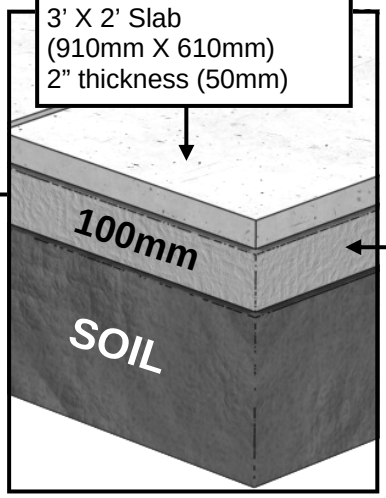


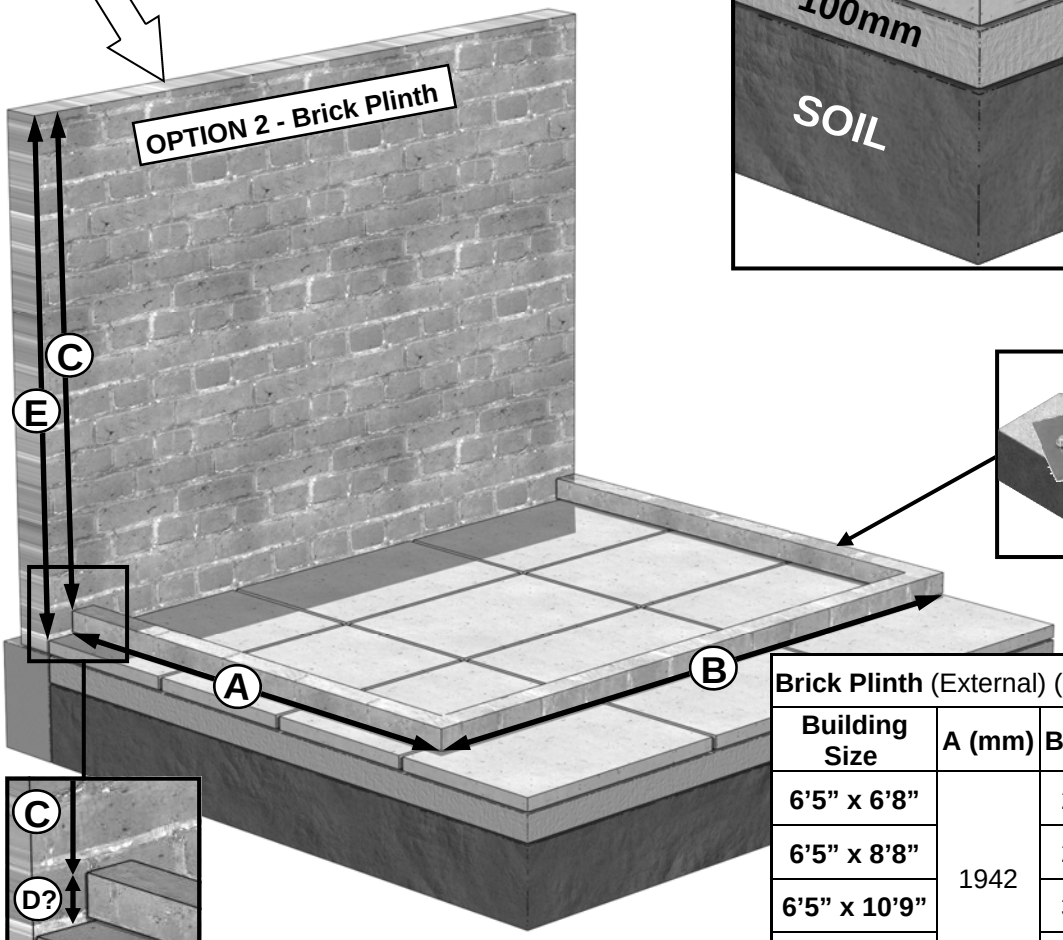
Slab Base Sizes (Recommended)
Note: The base should always be larger than your building.
The measurements given should only be used as a guide.

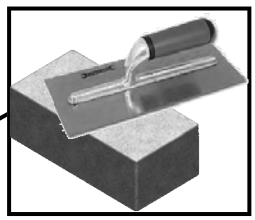
Building Size	A (mm)	B (mm)	C (mm)
6'5" x 6'8"	2500	2600	2500
6'5" x 8'8"		3200	
6'5" x 10'9"		3800	
6'5" x 12'9"		4500	

Recommended

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

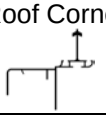


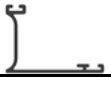


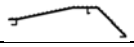
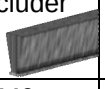


Brick Plinth (External) (*Greenhouse size on front cover)*

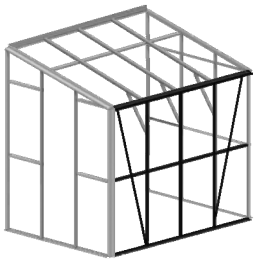
Building Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
6'5" x 6'8"	1942	2005	2495	?	C+D
6'5" x 8'8"		2625			
6'5" x 10'9"		3245			
6'5" x 12'9"		3865			

Section	Part No.	Profile	Size (mm)	6 6	6 8	6 10	6 12
1 FRONT	300	Base Bracket 	-	2			
	336	Front Cill 	3748				1
	337		3128			1	
	334		2508		1		
	333		1888	1			
	938	Gutter 	3748				1
	937		3128			1	
	936		2508		1		
	935		1888	1			
	933	Front Purling 	3736				1
	932		3116			1	
	931		2496		1		
	930		1876	1			
	916	Front Glazing Bar 	1979	2	3	4	5
	304	Diagonal Bracing	2038	2			
2 GABLE ENDS	300	Base Bracket 	-	4			
	309	Purling 2 	638	4			
	314	Purling 6 	1876	2			
	333	Gable Cill 	1888	2			
	915	Glazing Bar Corner Side 	1979	2			
	918	Wall Plate 6 	2412	2			
	920	Glazing Bar Side 4 	2125	2			
	921	Glazing Bar Side 6 	2275	2			
	927	Glazing Bar Roof Corner 	1935	2			

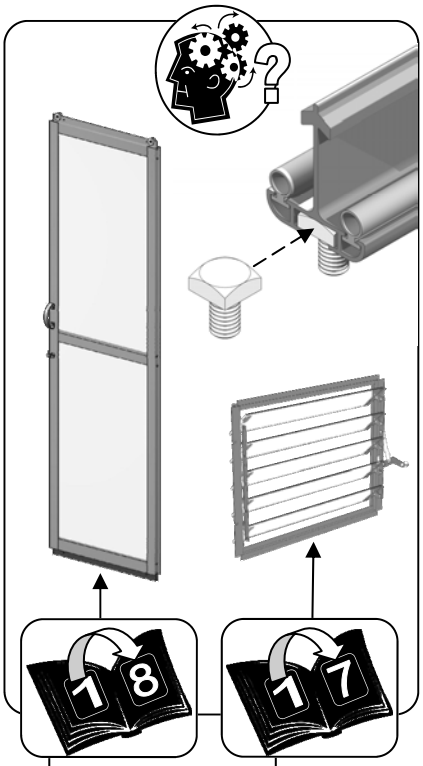
Section	Part No.	Profile	Size (mm)	6 6	6 8	6 10	6 12
4 ROOF	600	Cantilever 	-	2	3	4	5
	690	Hanging Basket Rail 	3748				1
	689		3128			1	
	688		2508		1		
	687		1888	1			
	924	Roof Glazing Bar 	1935	2	3	4	5
	943	Ridge 	3748				1
	942		3128			1	
	941		2508		1		
	940		1888	1			
5	572	Foam Strip 	7m	2	3	3	3
7 LOUVRE	-	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
8 DOOR	300	Base Bracket 	-	1			
	707	Door Bottom 		4			
	708	Door Top 	638	4			
	373	Door Middle 	1876	2			
	374	Door Runner 	1888	2			
	377	Door Stile With Lock 	1979	2			

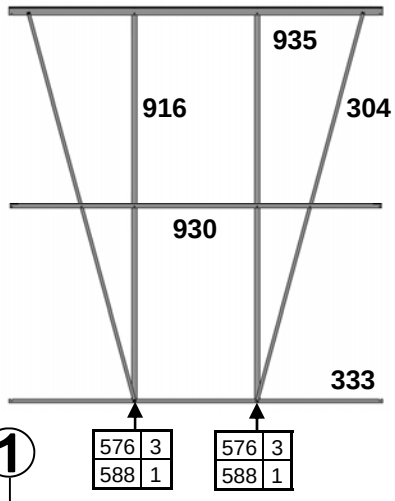
Section	Part No.	Profile	Size (mm)	6 6	6 8	6 10	6 12
8 DOOR	379	Door Stile Without Lock 	2412	1			
	384	Door Handle 	112	1			
	400	Door Stop 	40	1			
	401	Door Strike Plate 	80	1			
	402	Door Track 	1320	1			
	404	Door Track Support Bracket 	-	2			
	405	Door Track Main Support 	612	1			
	512	Door Track Vertical Support 	64	1			
	525	Threshold 	588	1			
	557	Glass Jack 	590	1			
	558	Edging Strip 	870	4			
	560	Door Stop Bung 	50	1			
	571	Draught Excluder 	3800	1			
	576	M6 	10	25			
	579	M6 	-	25			
	580	Nut Caps 	-	25			
	583	M3.5 	19	14			
	588	M6 	15				

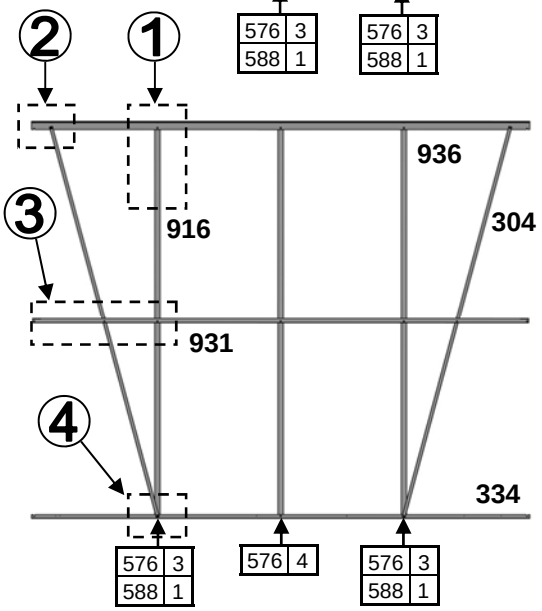
Section	Part No.	Profile	Size (mm)	6 6	6 8	6 10	6 12
9 ROOF VENTS	540	Vent Bottom 	590	1	1	2	2
	541	Vent Side 	606	2	2	4	4
	543	Vent Top 	650	1	1	2	2
	709	Slam Bar 	645	1	1	2	2
	330	Casement Stay 		1	1	2	2
	576	M6 	10	4	4	8	8
	578	M4 	-	6	6	12	12
	579	M6 	-	6	6	12	12
	580	Nut Caps 	-	6	6	12	12
	583	M3.5 	19	4	4	8	8
	587	M4 	10	6	6	12	12
	589	M6 Cropped 	10	2	2	4	4



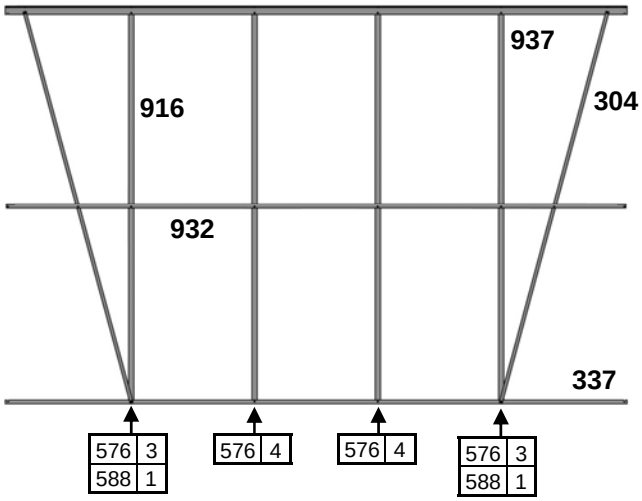
Front

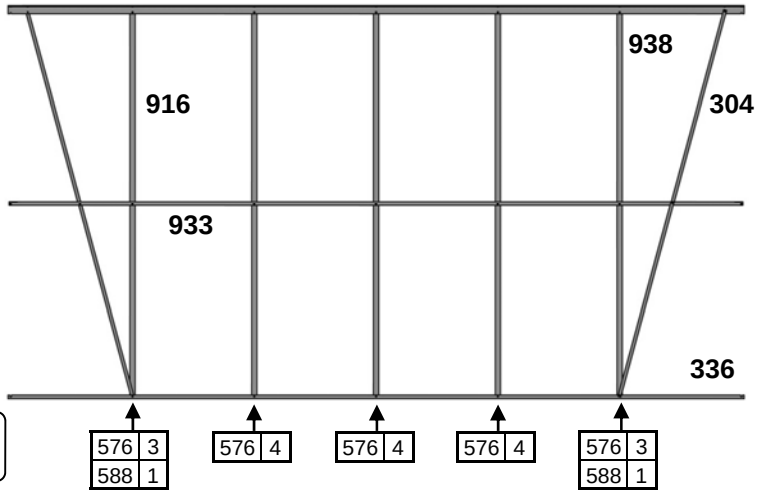






It is possible to fit either a louvre or a door on the front of the building. If you wish to do this you will need to add extra bolts in the channels of the glazing bars (916). If fitting the door you will need to cut the purling (Page 29)



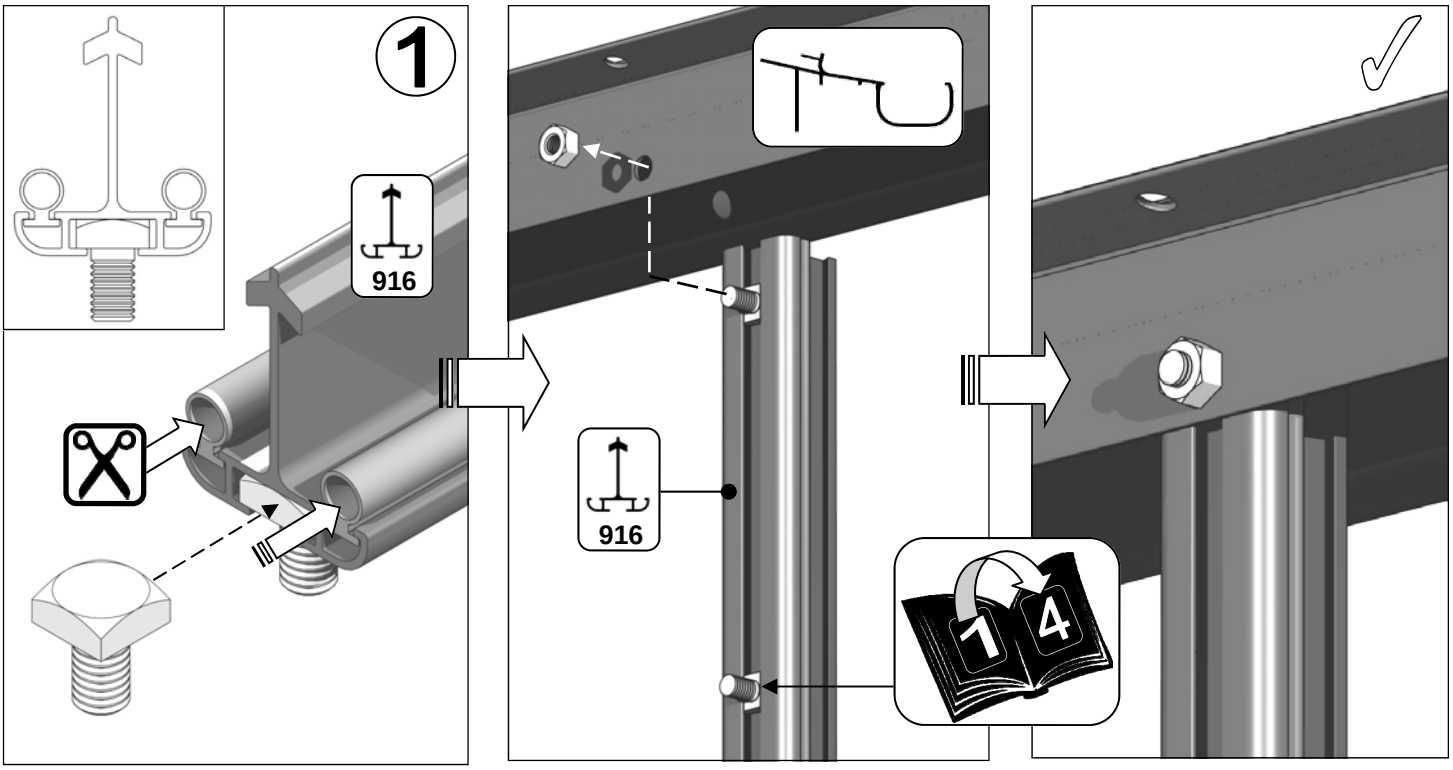


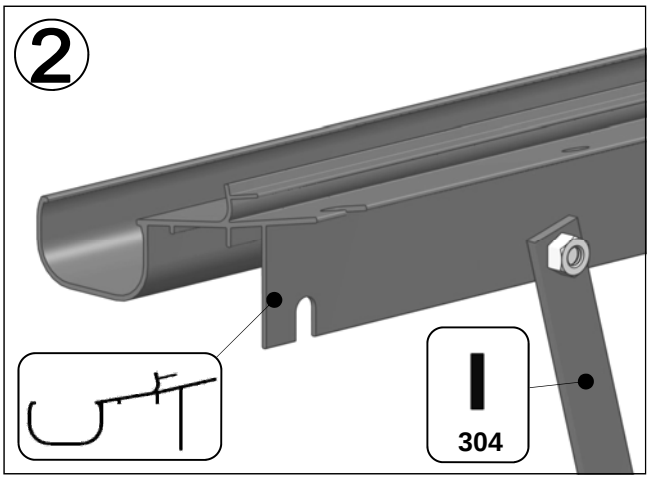
	Part Number	Size (mm)	Quantity
6'	304	2038	2
	333	1888	1
	916	1979	2
	930	1876	1
	935	1888	1
	576 (M6)	10	10
	579 (M6)		12
	588 (M6)	16	2

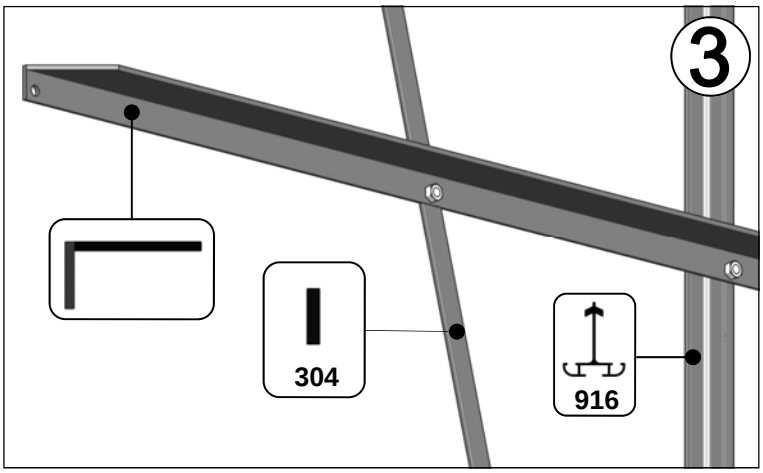
	Part Number	Size (mm)	Quantity
8'	304	2038	2
	334	2508	1
	916	1979	3
	931	2496	1
	936	2508	1
	576 (M6)	10	14
	579 (M6)		16
	588 (M6)	16	2

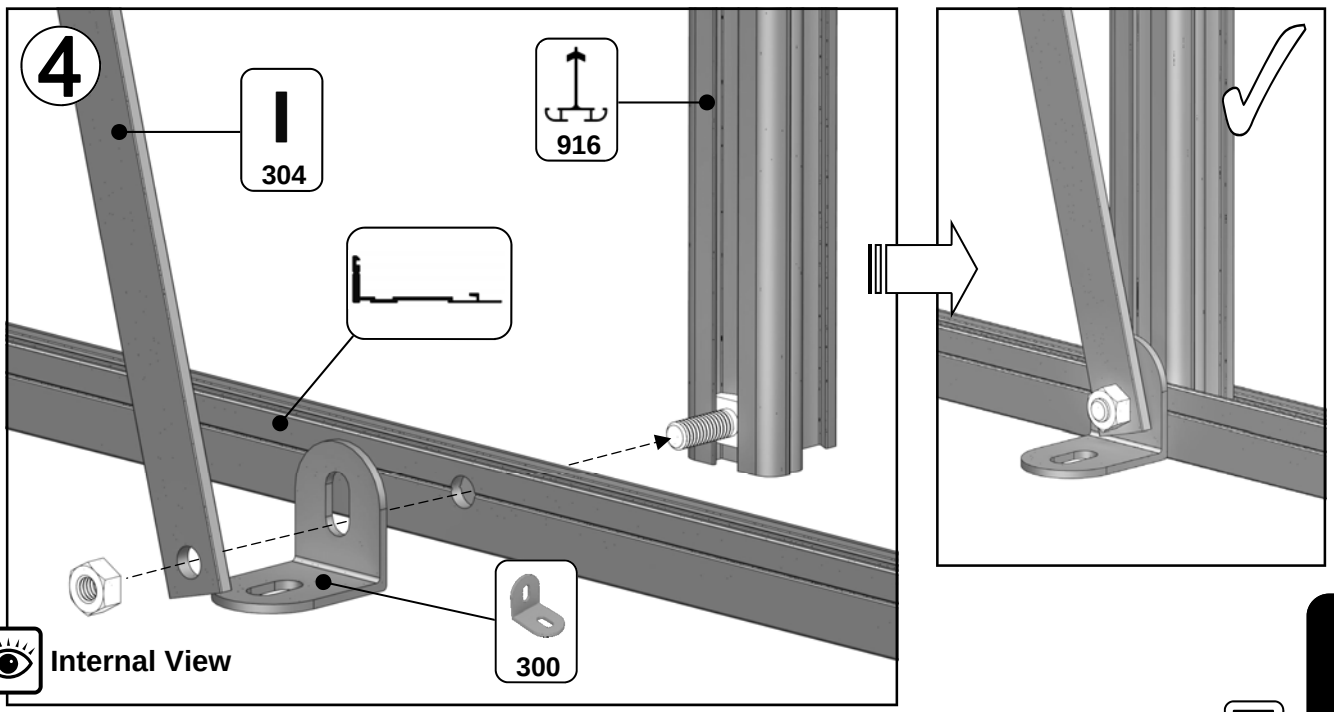
	Part Number	Size (mm)	Quantity
10'	304	2038	2
	337	3128	1
	916	1979	4
	932	3116	1
	937	3128	1
	576 (M6)	10	18
	579 (M6)		20
	588 (M6)	16	2

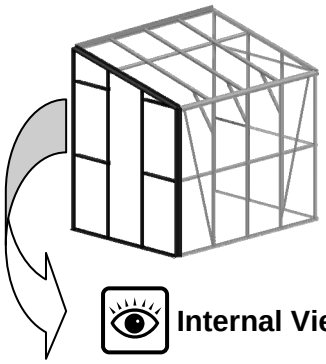
	Part Number	Size (mm)	Quantity
12'	304	2038	2
	336	3748	1
	916	1979	5
	933	3736	1
	938	3748	1
	576 (M6)	10	22
	579 (M6)		24
	588 (M6)	16	2


1
916
916
14

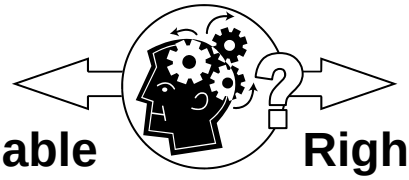

2
304


3
304
916

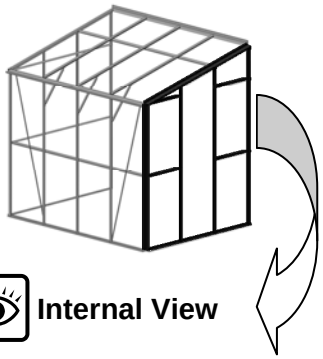

4
304
916
300
Internal View



Left Gable

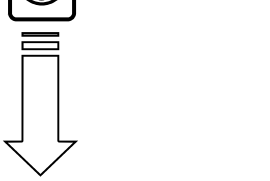


Right Gable



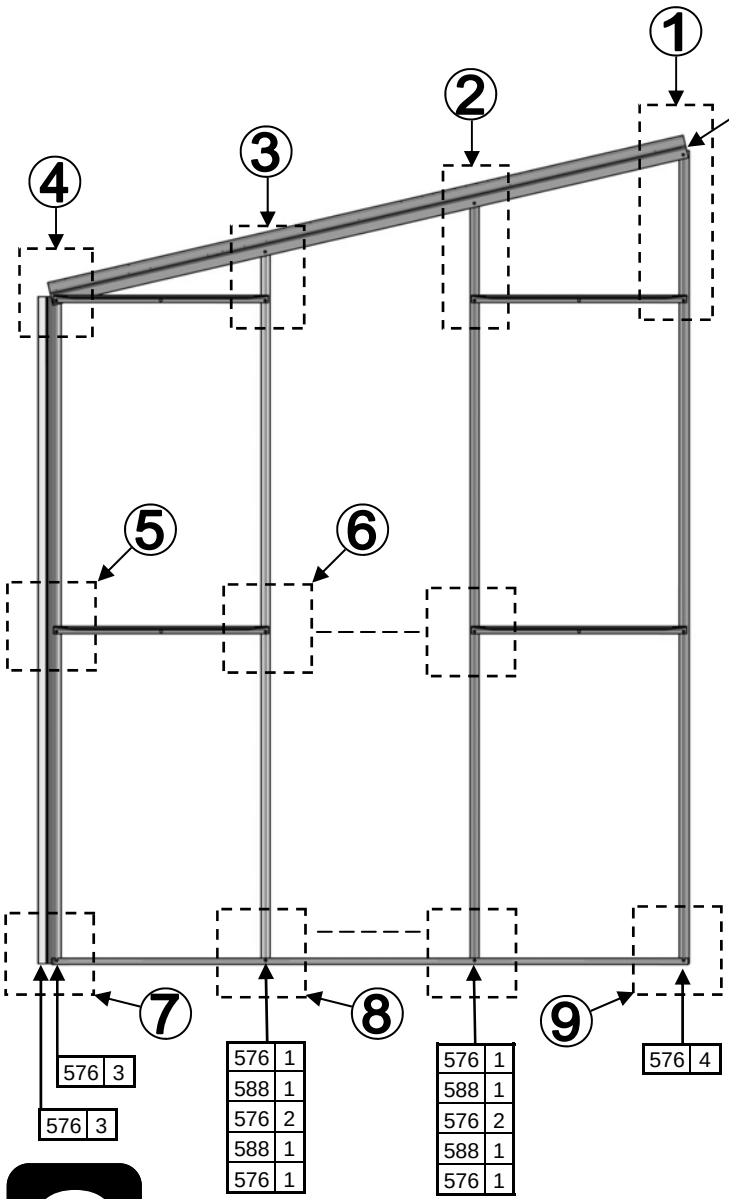
Door Option

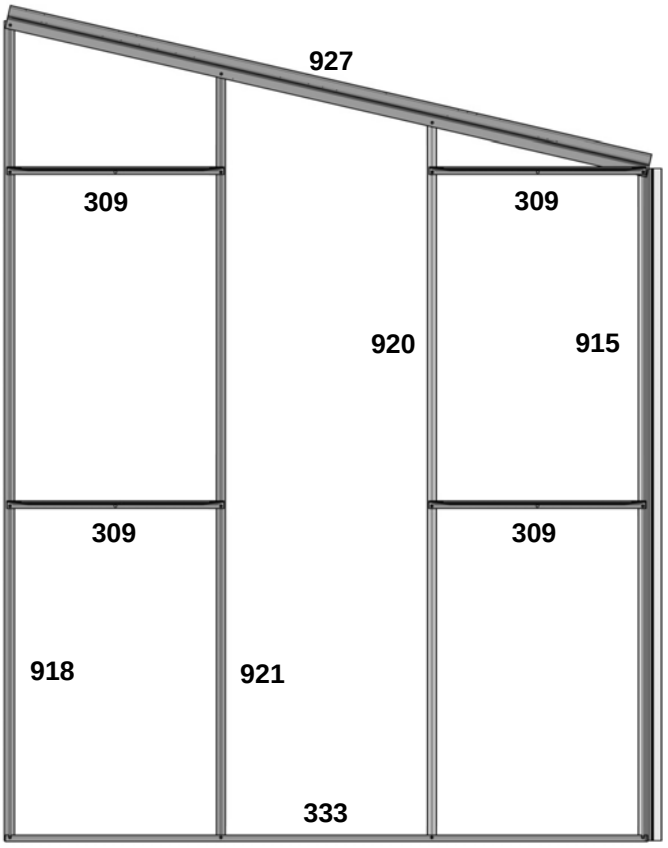
Part Number	Size (mm)	Quantity
300	-	2
309	638	4
333	1888	1
915	1979	1
918	2412	1
920	2125	1
921	2275	1
927	1935	1
576 (M6)	10	20
579 (M6)	-	24
588 (M6)	15	4



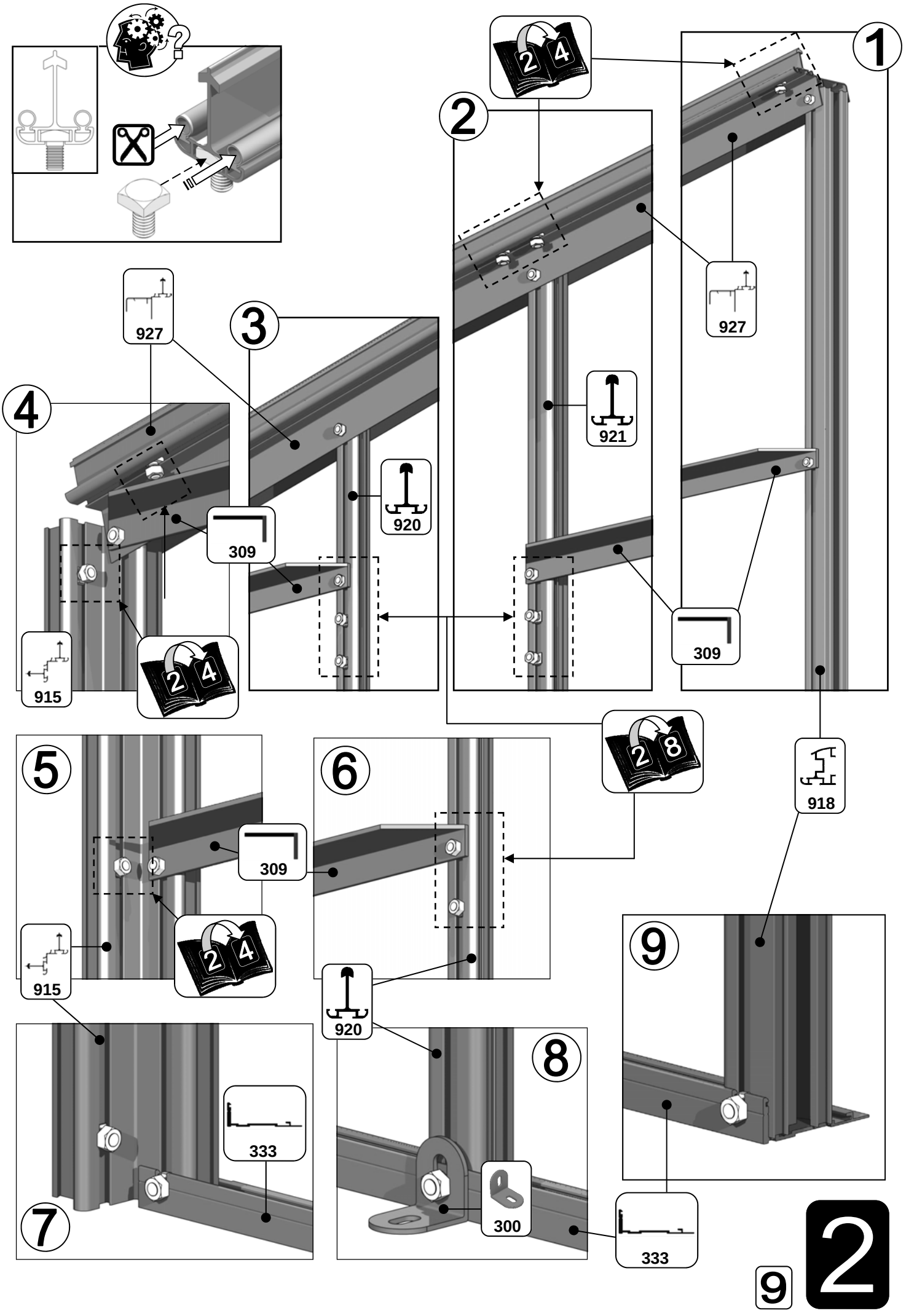
Internal View

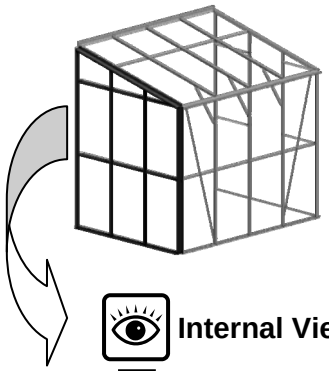
Internal View





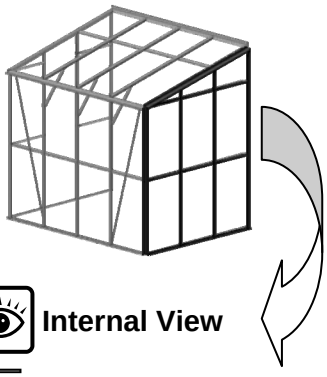
The door can also be fitted to the front of the greenhouse. See section 8, page 29.


1
2
3
4
5
6
7
8
9
927
927
921
920
920
309
309
309
915
915
918
333
333
300
2 4
2 4
2 4
2 8
9 2

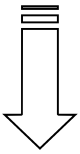


Left Gable

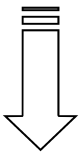
Right Gable



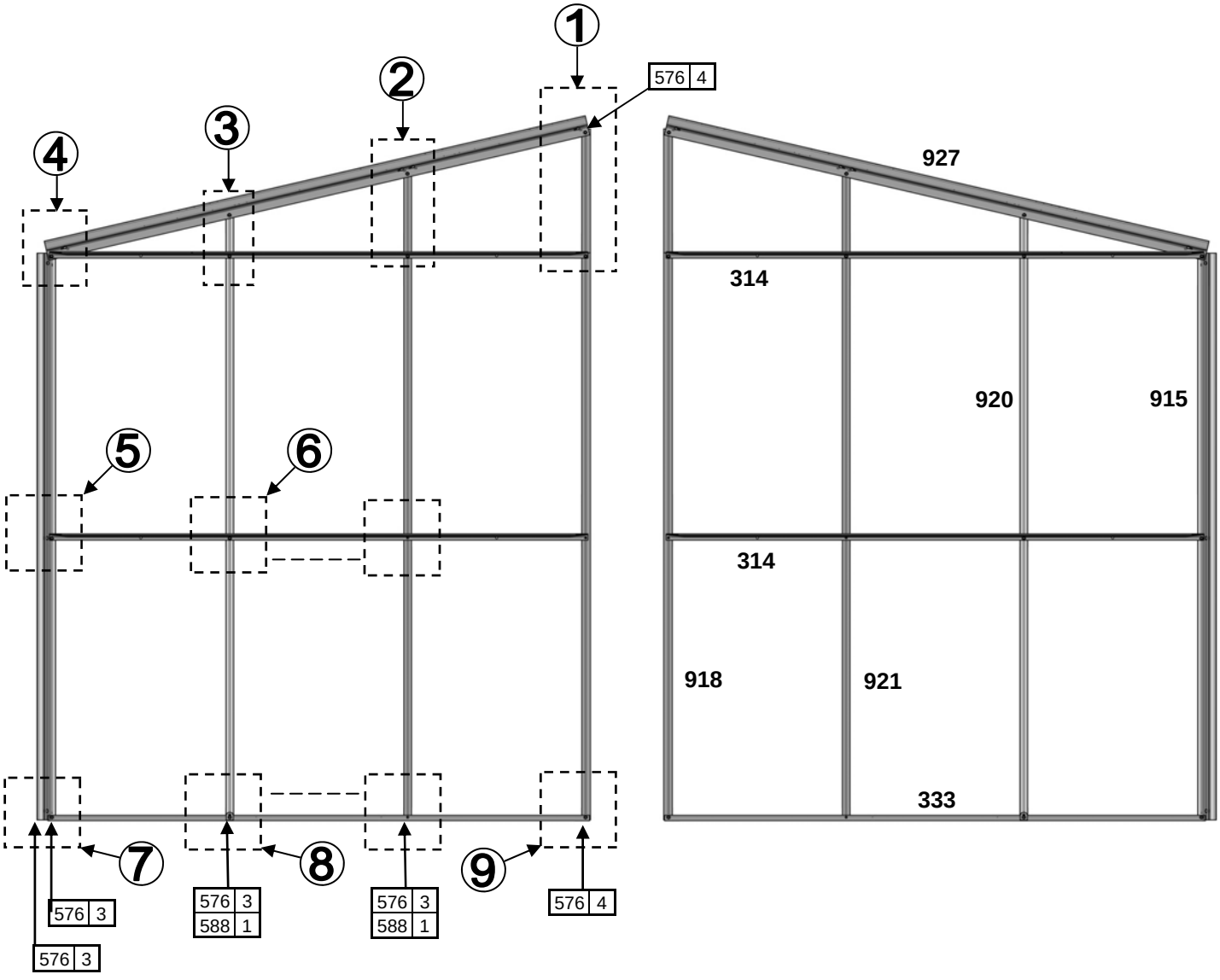
Internal View

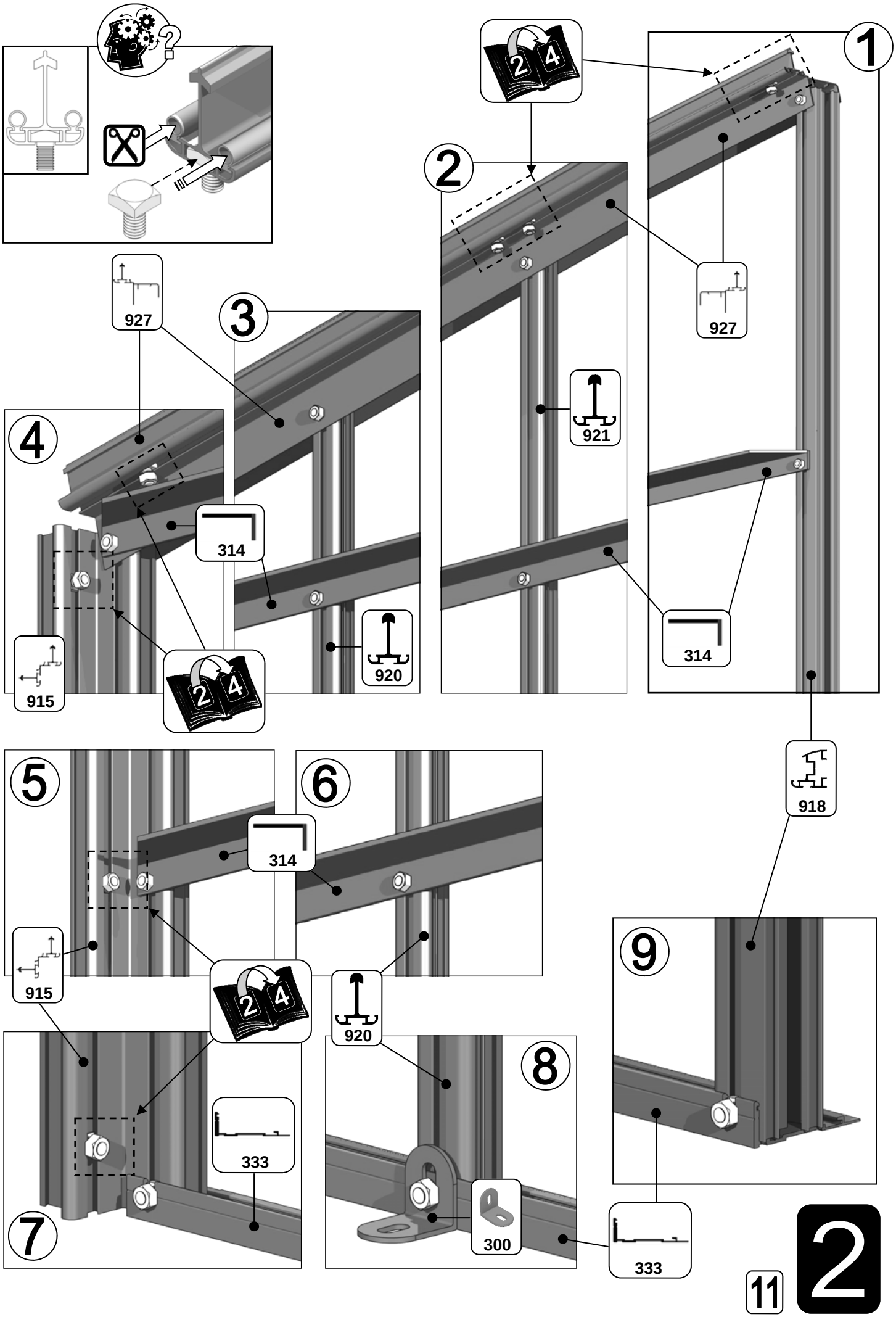


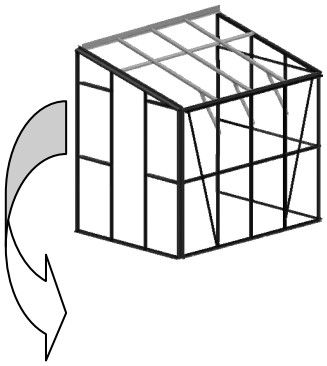
Internal View



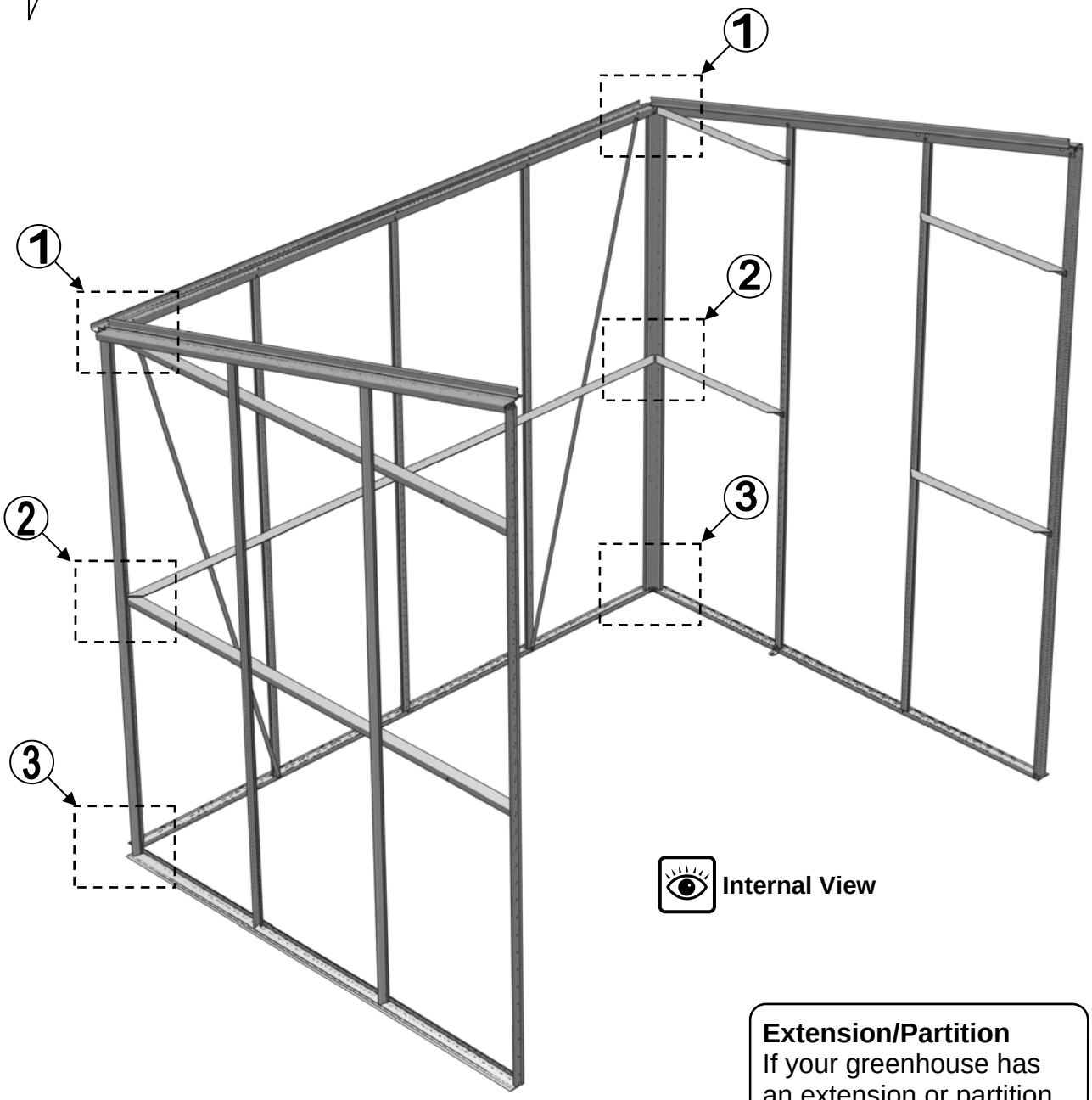
Part Number	Size (mm)	Quantity
300	-	2
314	1876	2
333	1888	1
915	1979	1
918	2412	1
920	2125	1
921	2275	1
927	1935	1
576 (M6)	10	20
579 (M6)	-	24
588 (M6)	15	4




1
2
3
4
5
6
7
8
9
927
927
921
314
314
920
915
314
918
915
920
333
300
333
11
2



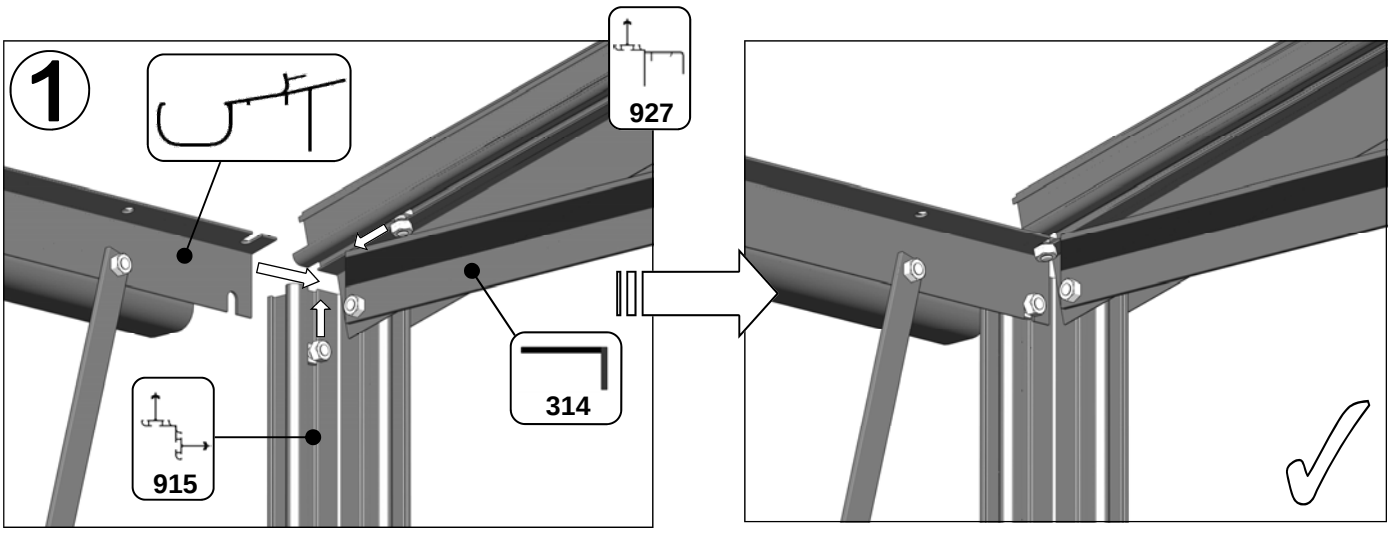
Frame Assembly

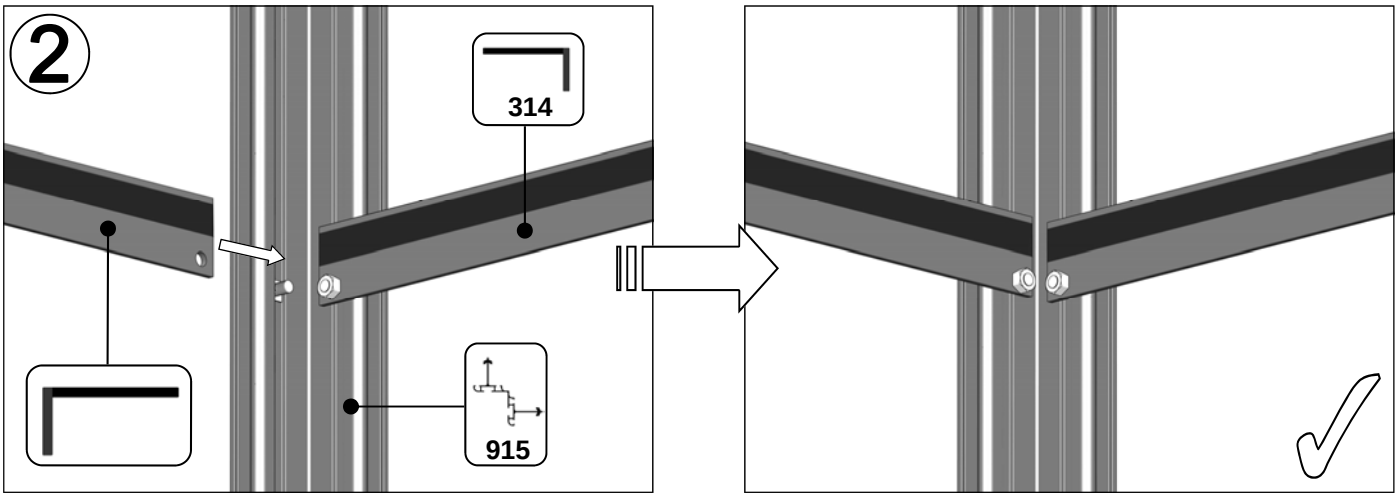


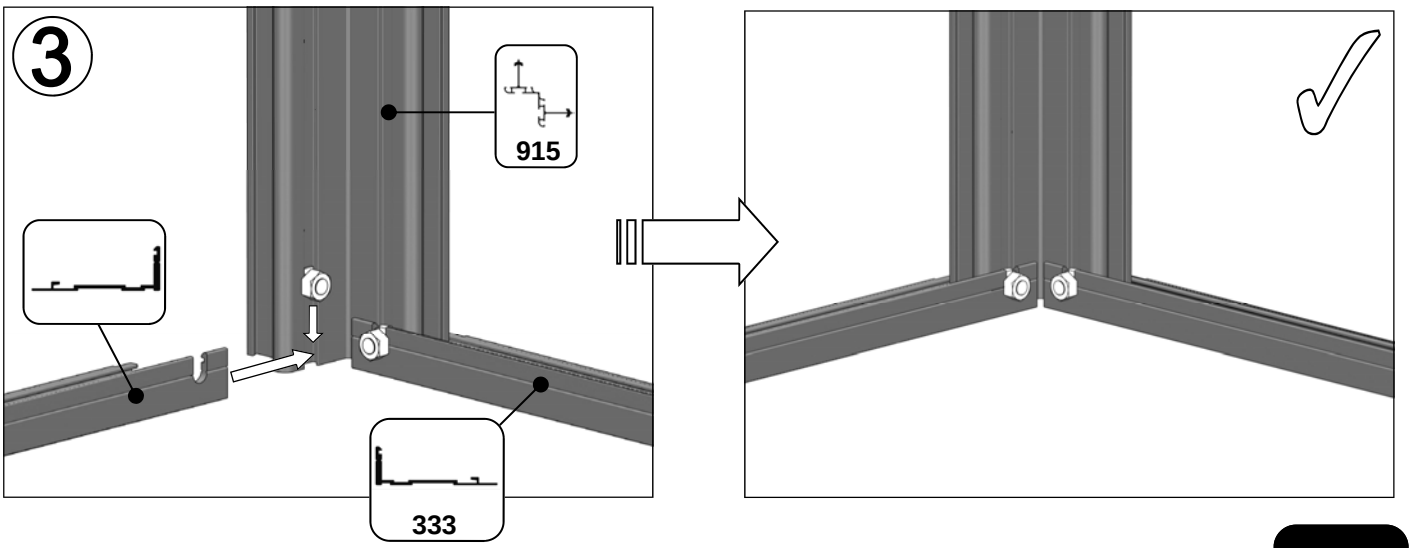
Internal View

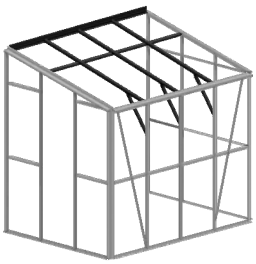
Extension/Partition
If your greenhouse has an extension or partition refere to the relevent instruction book now.

IMPORTANT
Do not fix the greenhouse to the base untill the greenhouse is fully glazed.

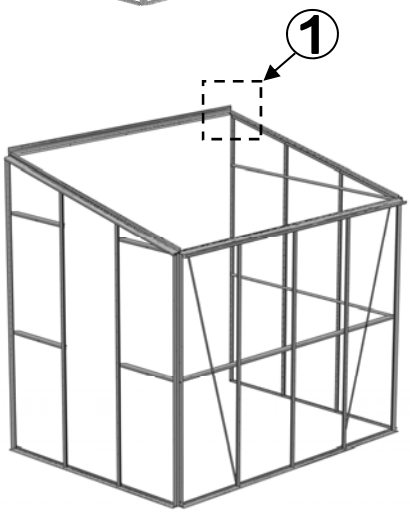

1
927
314
915

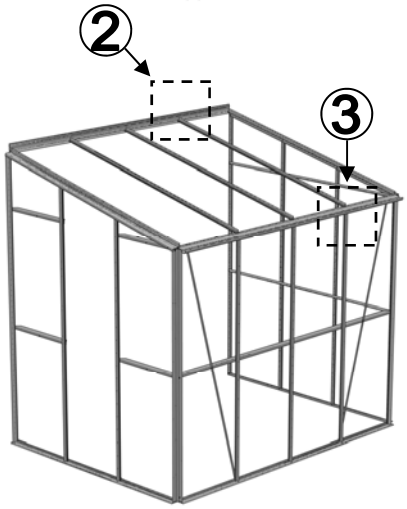

2
314
915

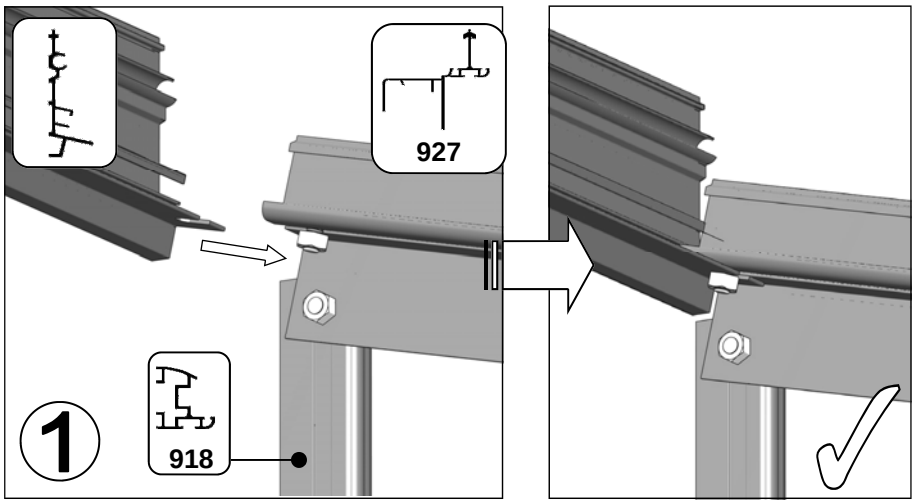

3
915
333

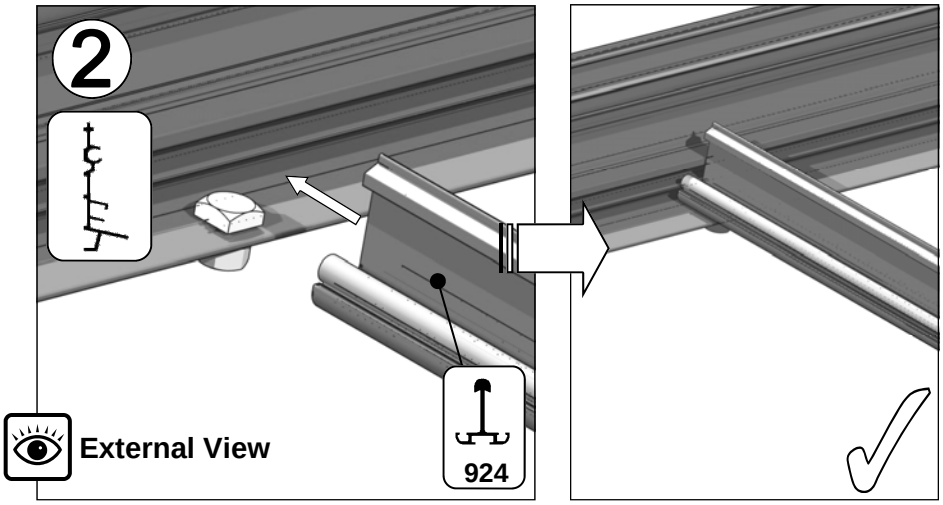


Roof

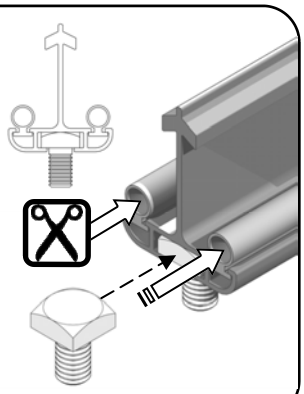




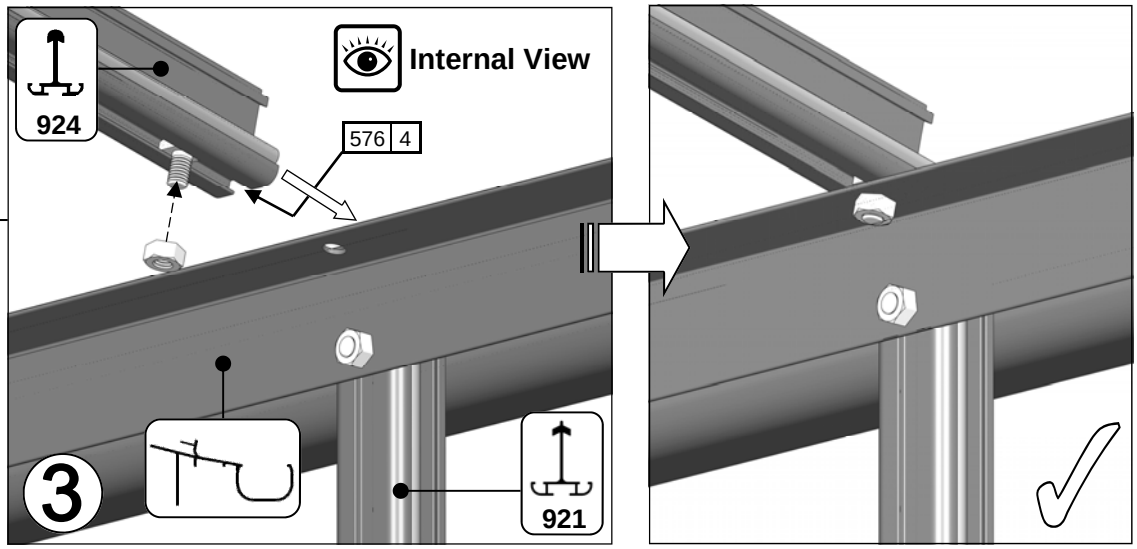


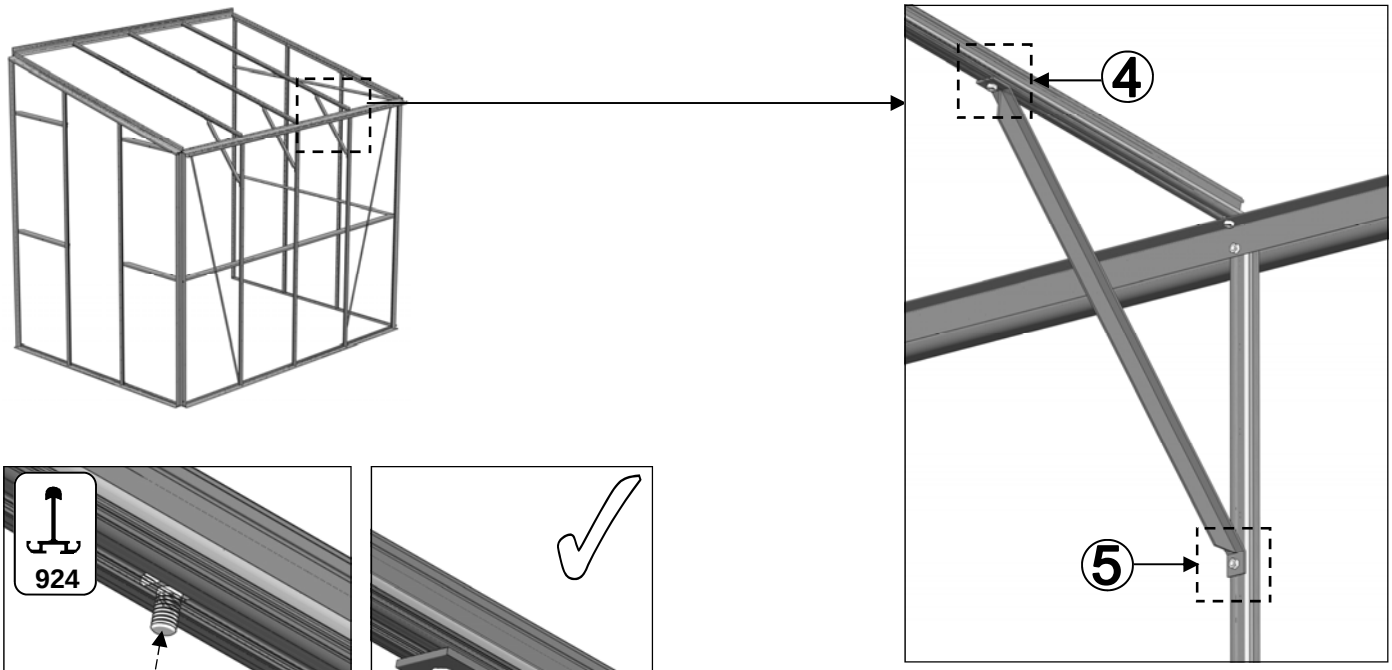


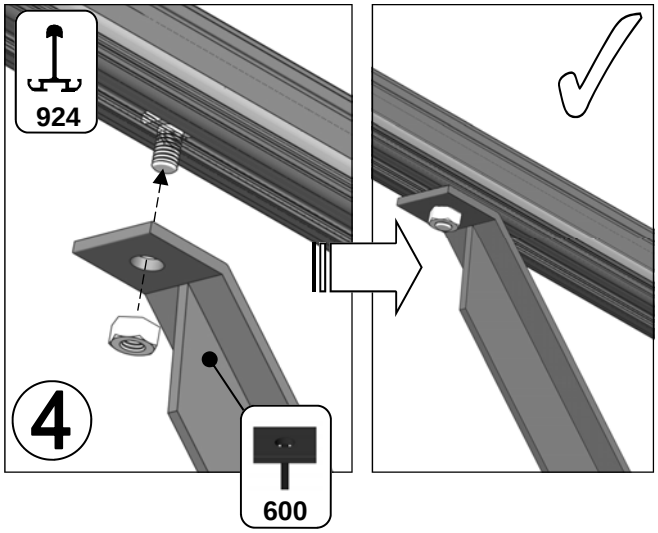
Hanging Basket Rail and Cantilevers
Remember to insert extra bolts into the roof glazing bars before attaching them to the gutters.

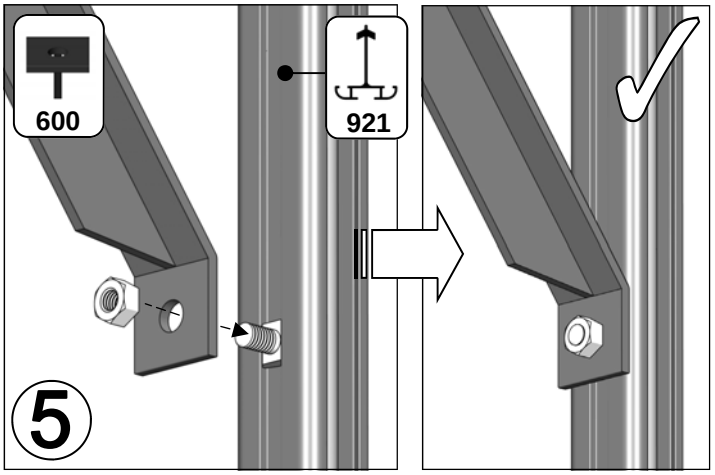


Vent Location
You need to decide at this point where you want your roof vent. Insert an extra bolt (576) into the glazing bar (924) either side of the vents location.

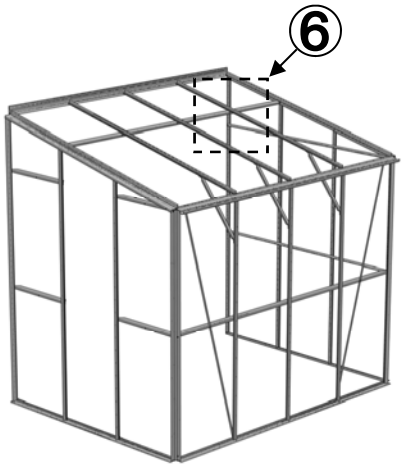


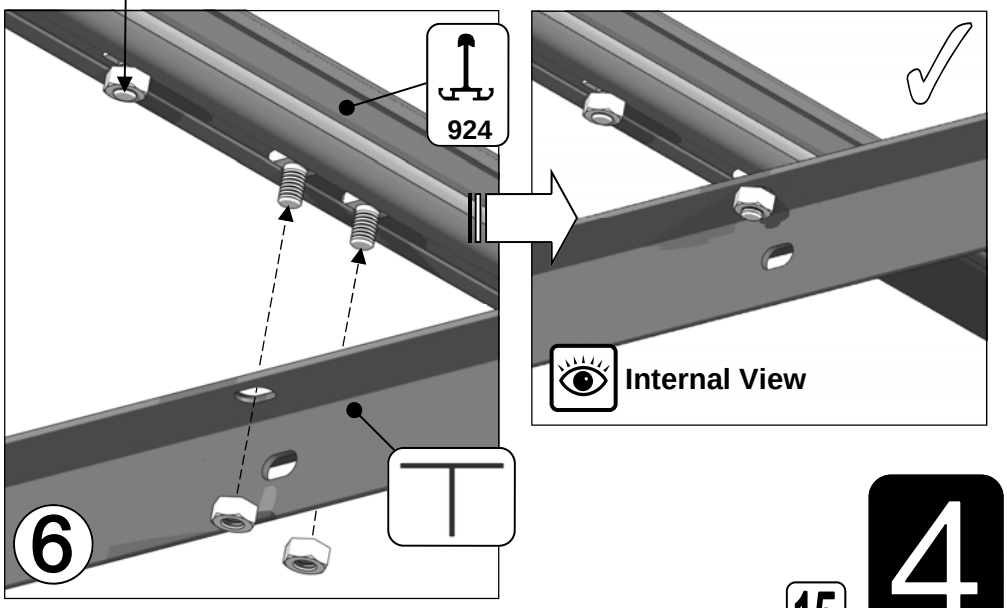

4
5


924
4
600

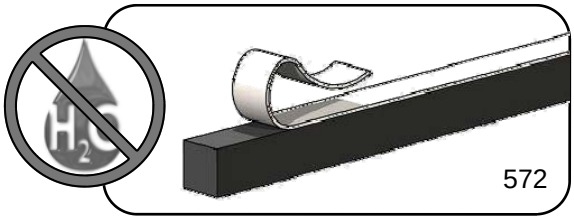

600
921
5

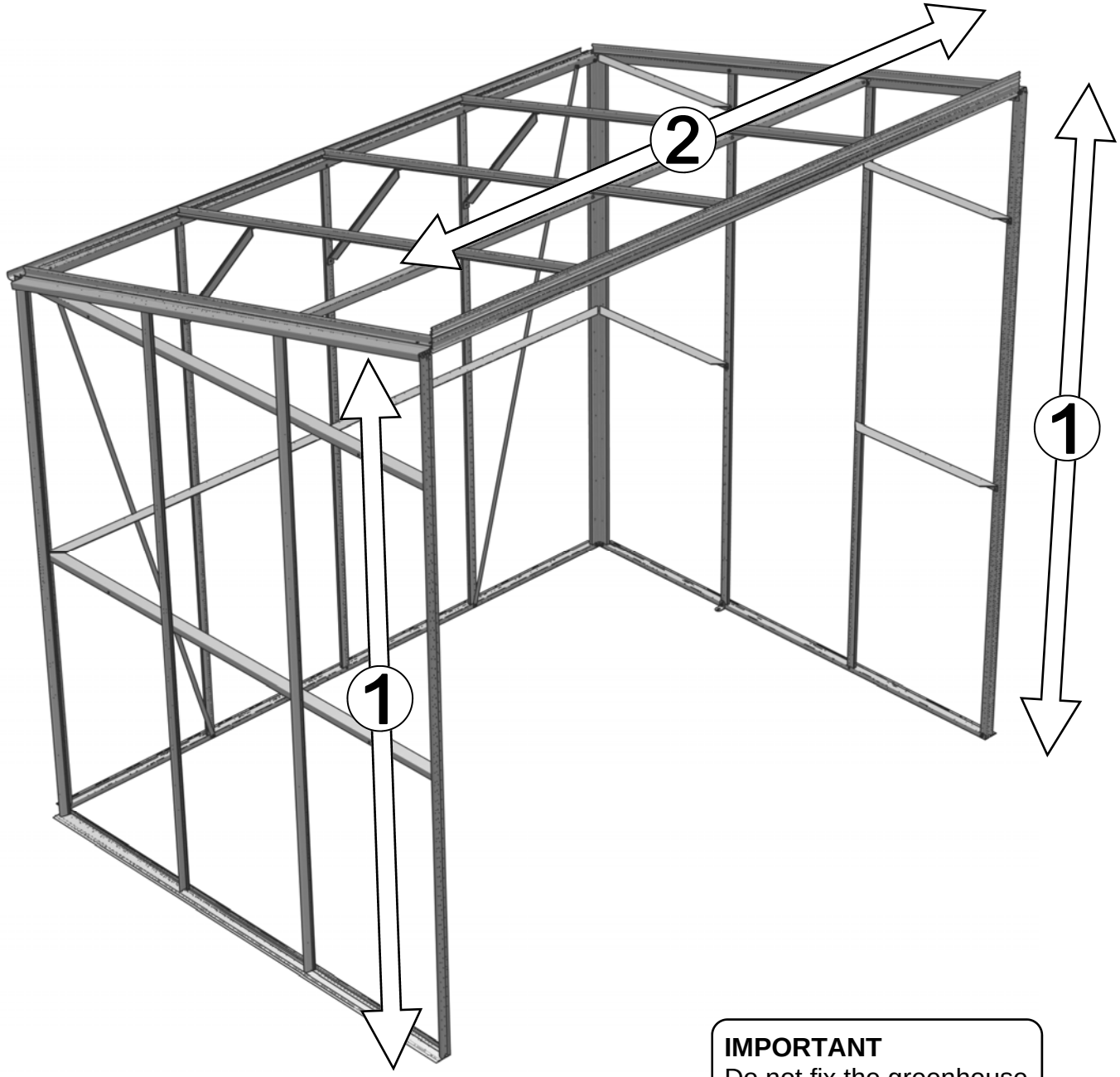

4
9


6

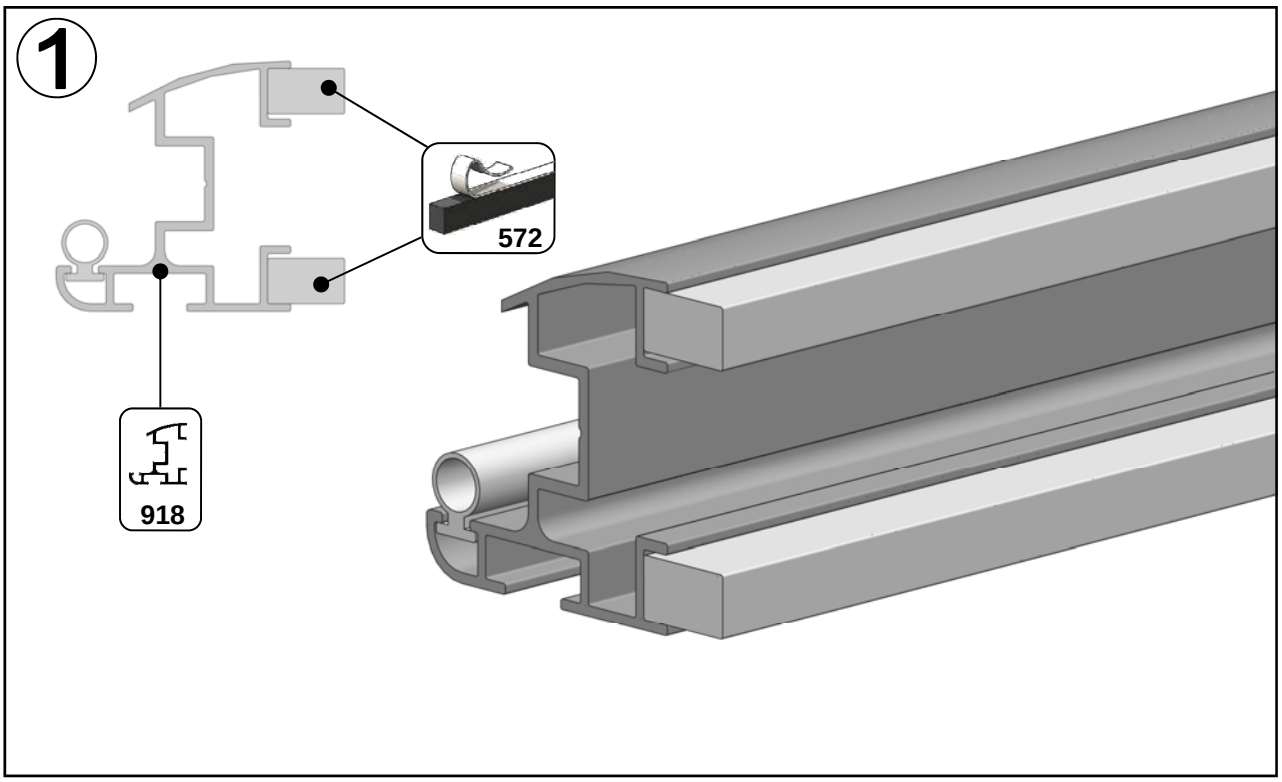

924
Internal View
6

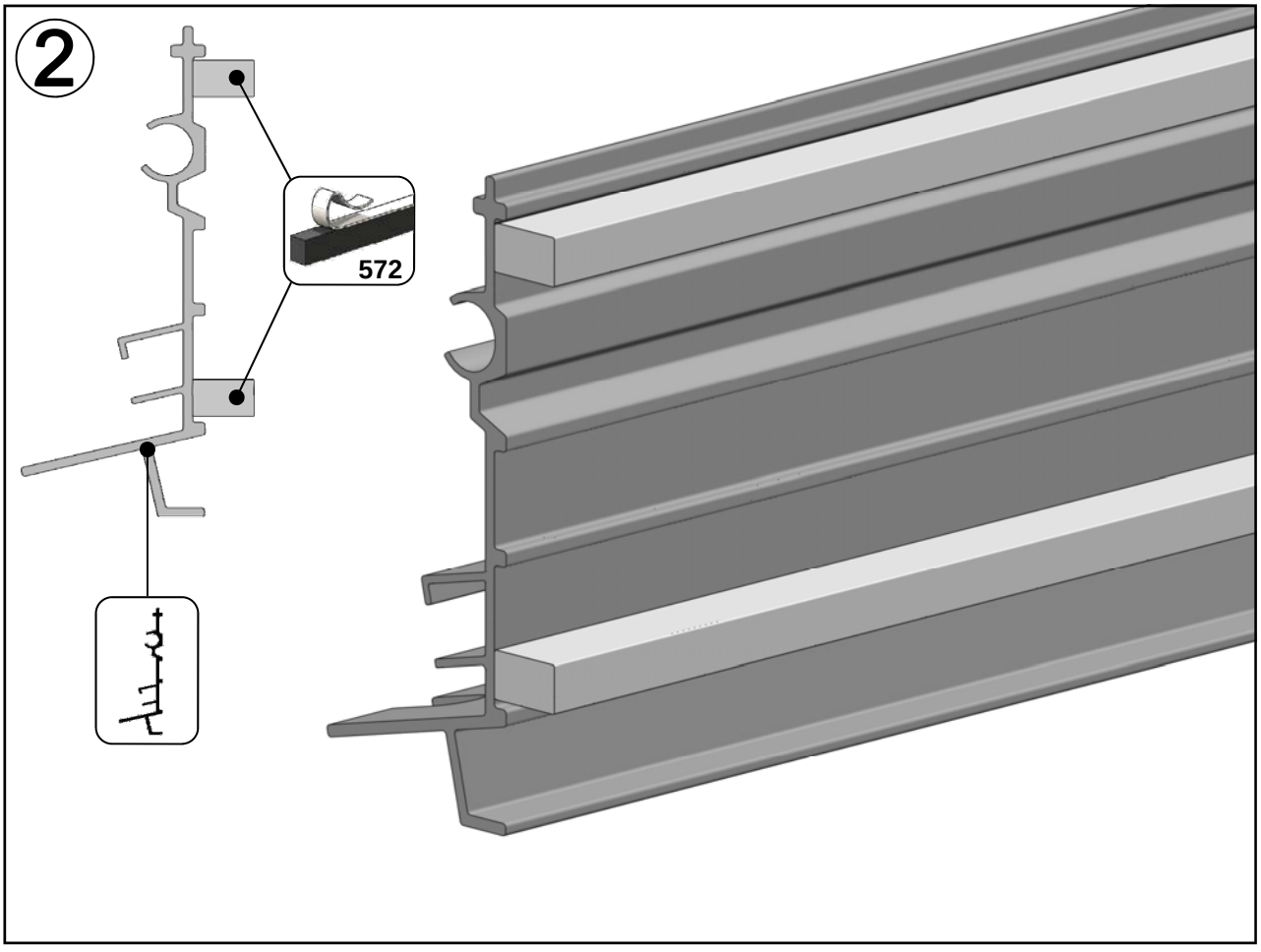
Attach foam strip to the back of the ridge and the wall bars.





IMPORTANT
Do not fix the greenhouse to the base untill the greenhouse is fully glazed.

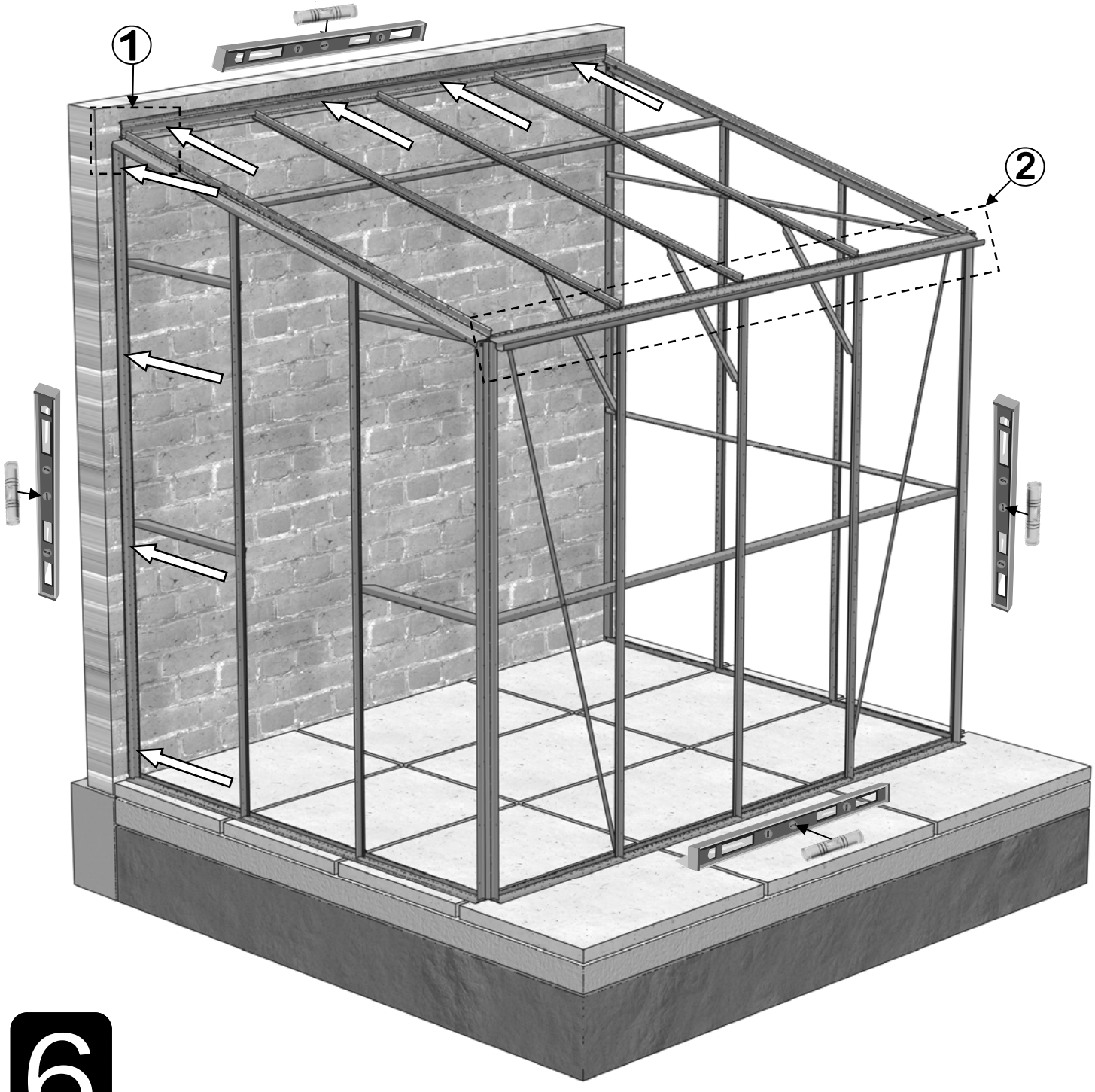

1
572
918

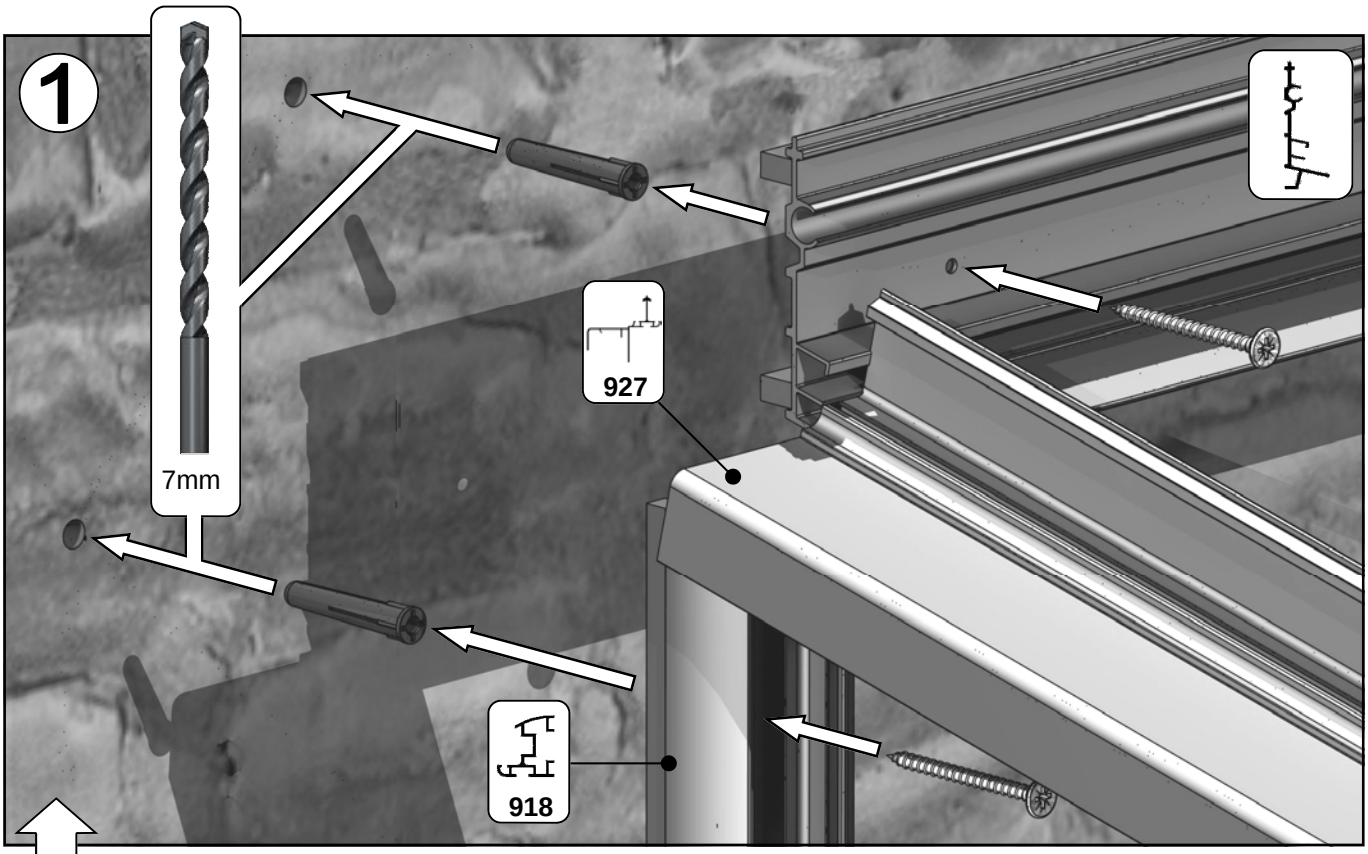

2
572

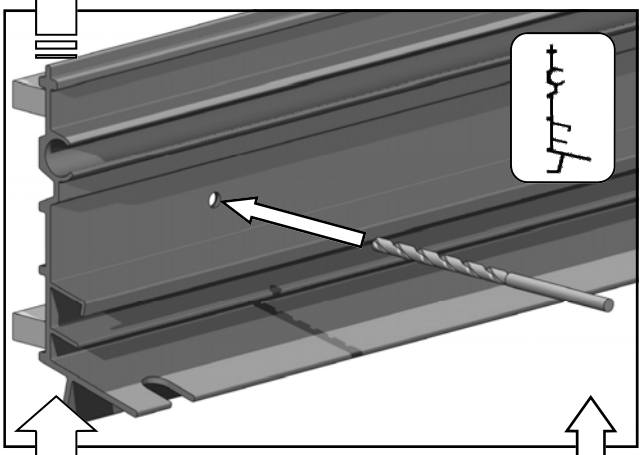
Fix the greenhouse to the wall using 2 inch screws and rawl plugs. The table below suggests how many you will need for your size of greenhouse. **Ensure the greenhouse is level and the uprights are vertical before fixing.**

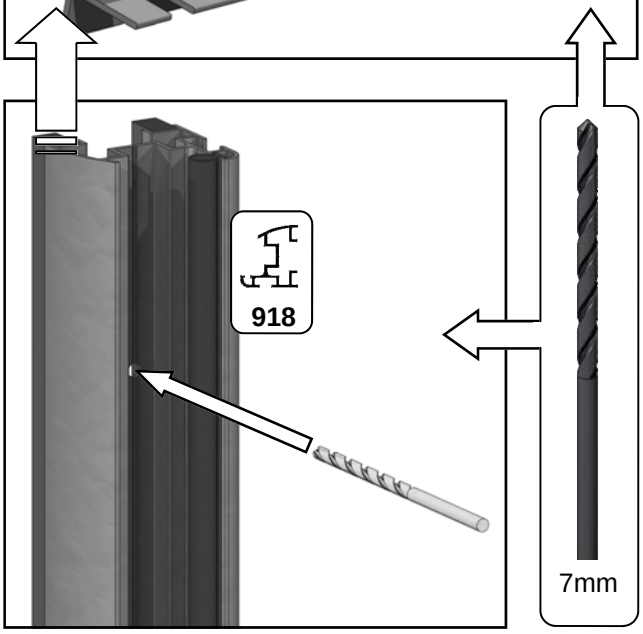
IMPORTANT
Do not fix the greenhouse to the base untill the greenhouse is fully glazed.

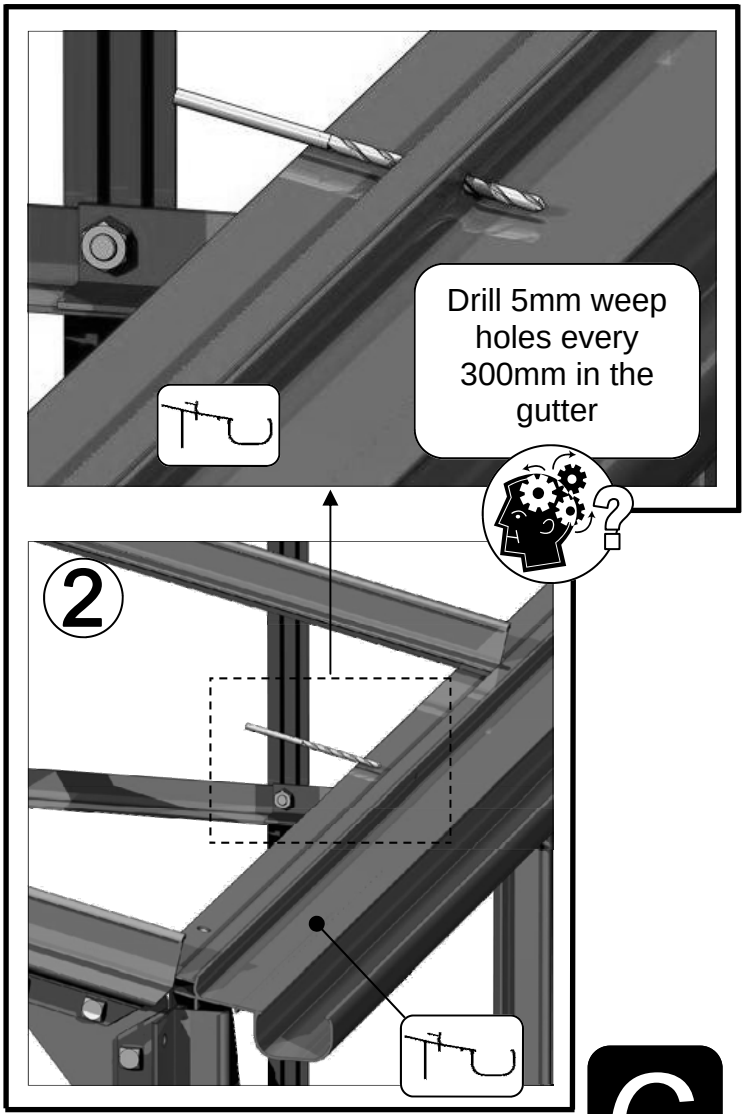
	66	68	610	612
	17	18	19	20



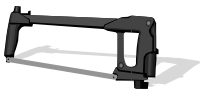

1
7mm
927
918



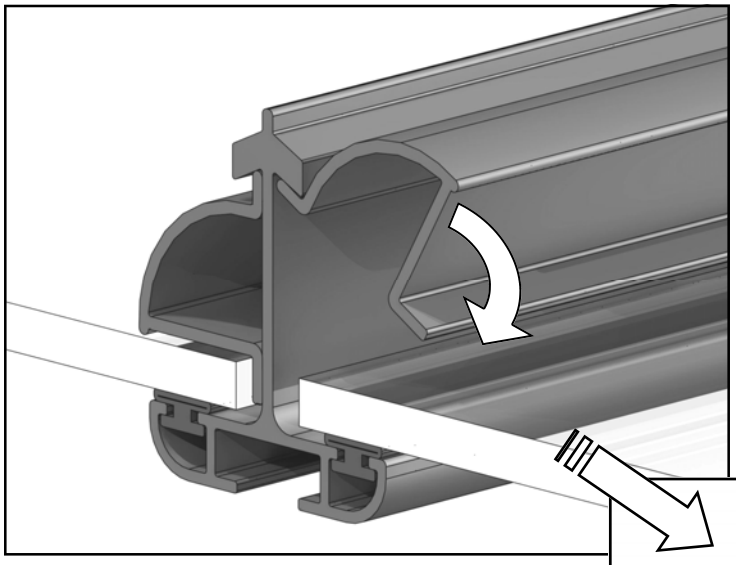

918
7mm

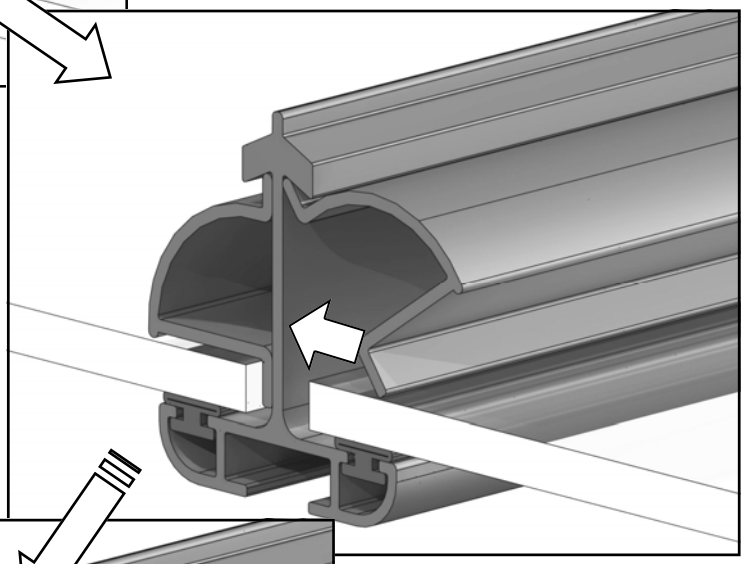

Drill 5mm weep holes every 300mm in the gutter
2

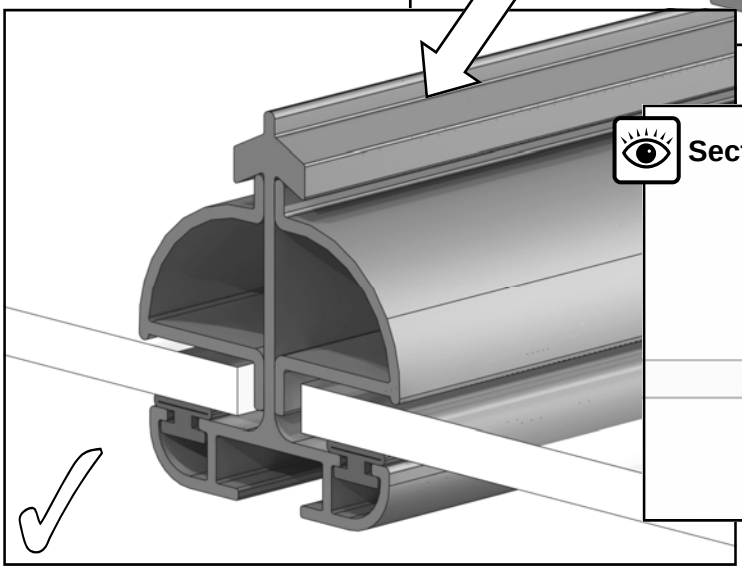
Cut all the bar capping to length. Start with the longest length of bar capping and work your way round the greenhouse until you get to the smallest piece.

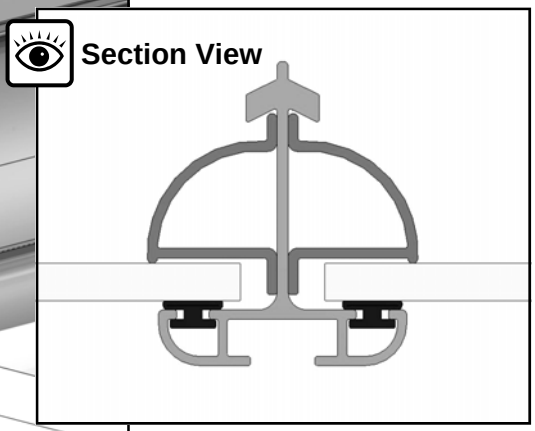


A hacksaw is the ideal tool for the job.
(To make it easier, try grouping capping of the same length when cutting.)
Once you have cut all the capping distribute it around the greenhouse. So when you start glazing, the capping you need is always to hand.

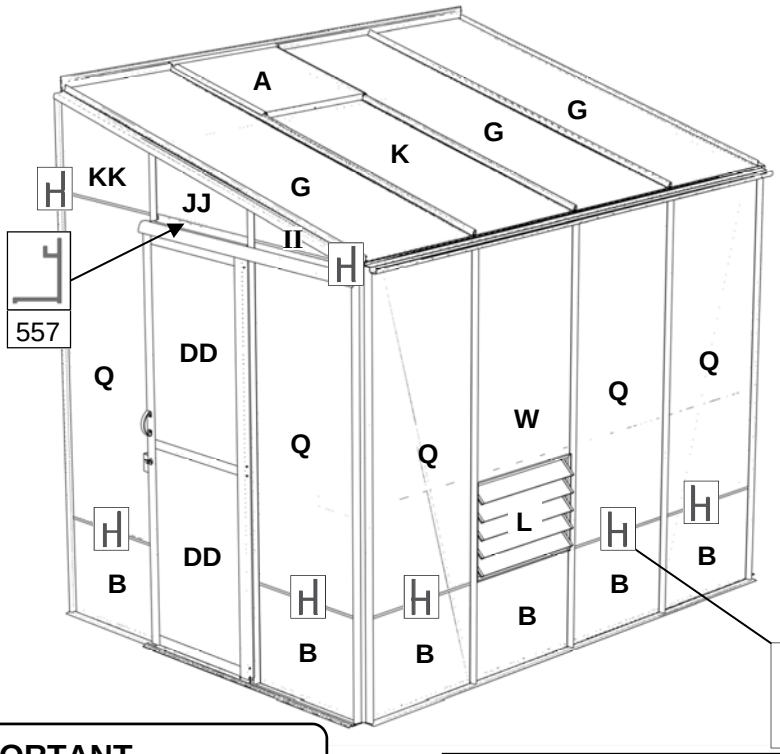


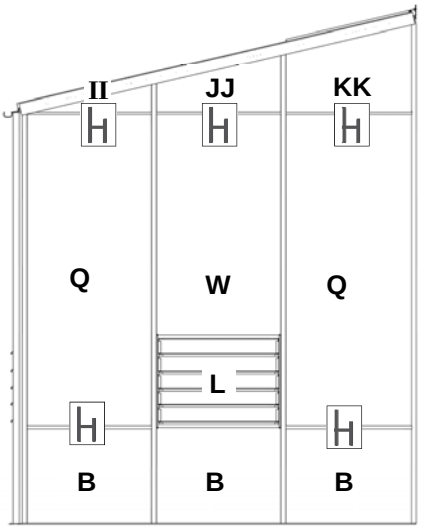


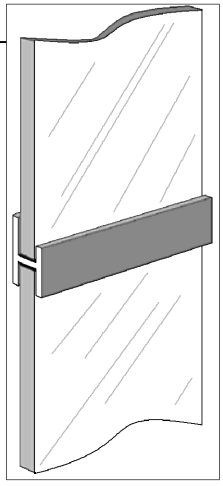




Glass	Size mm	66	68	610	612
A	610 X 610	1	1	2	2
B	610 X 457	8	9	10	11
G	610 X 1952	2	3	3	4
K	610 X 1336	1	1	2	2
L	573 X 100	10	10	10	10
Q	610 X 1520	6	7	8	9
W	610 X 1070	2	2	2	2
DD	563 X 880	2	2	2	2
II	610 X 151 X 10	2	2	2	2
JJ	610 X 292 X 151	2	2	2	2
KK	610 X 436 X 295	2	2	2	2





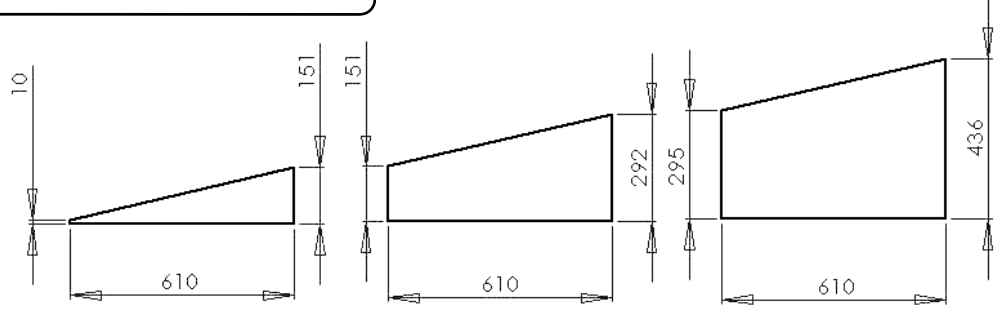


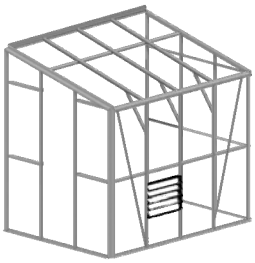
IMPORTANT
Drill weep holes in the gutter before fitting the roof glass. See page 19.

IMPORTANT
Do NOT glaze above the door untill you have it set up and sliding nicely.

For Peak models with kick panels:

B becomes the aluminium kick panel. And a pane 610x290 is used above the kick panel and below the large Q pane





Louvre

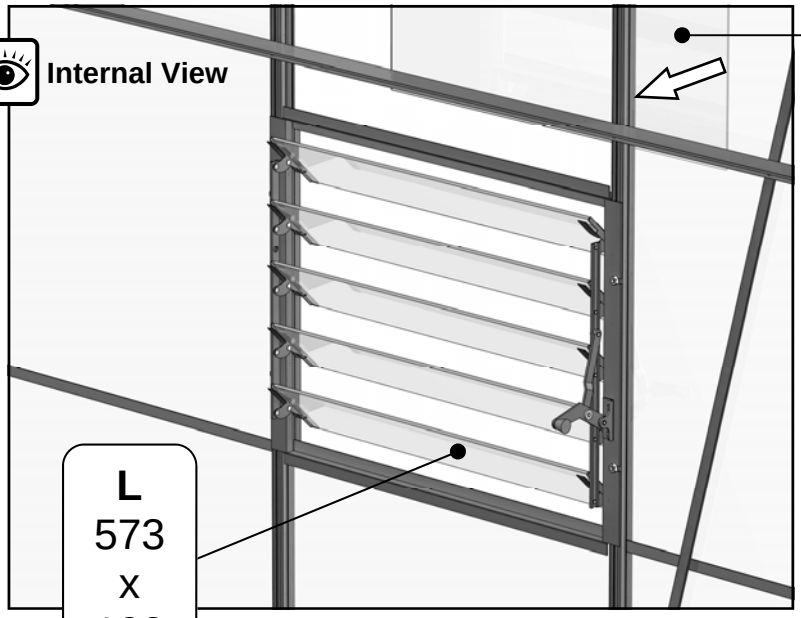
Internal View

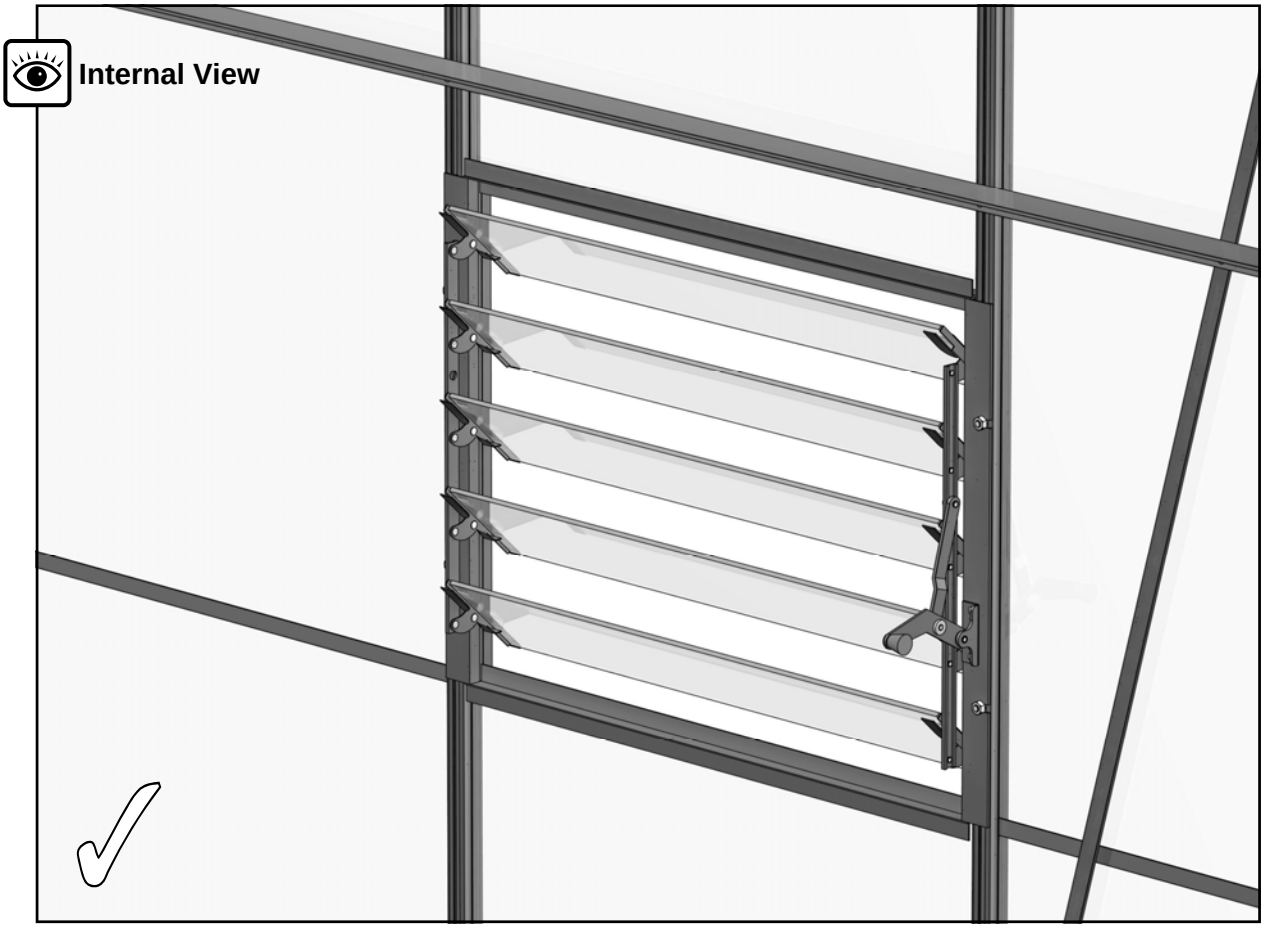
B
610
x
457

Internal View

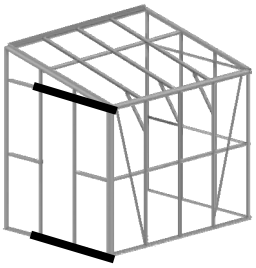
Louvre
Frame

Internal View



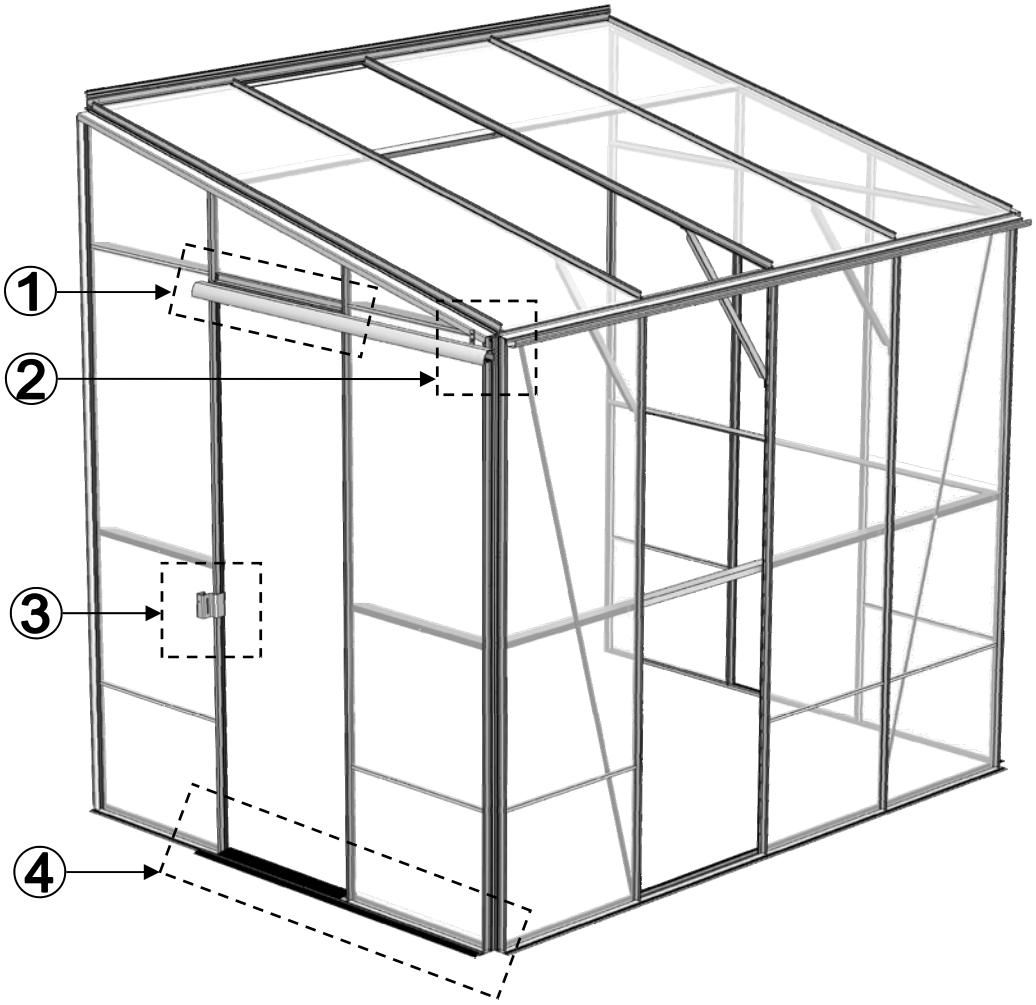


There are two ways of installing the bar capping.
Option 1: Cut the capping above and below the louvre.
Option 2: Insert a full length of bar capping. You have to push the bottom edge in first between the louvre and the glazing bar. Once in position, push the top edge under the arrow head of the glazing bar.

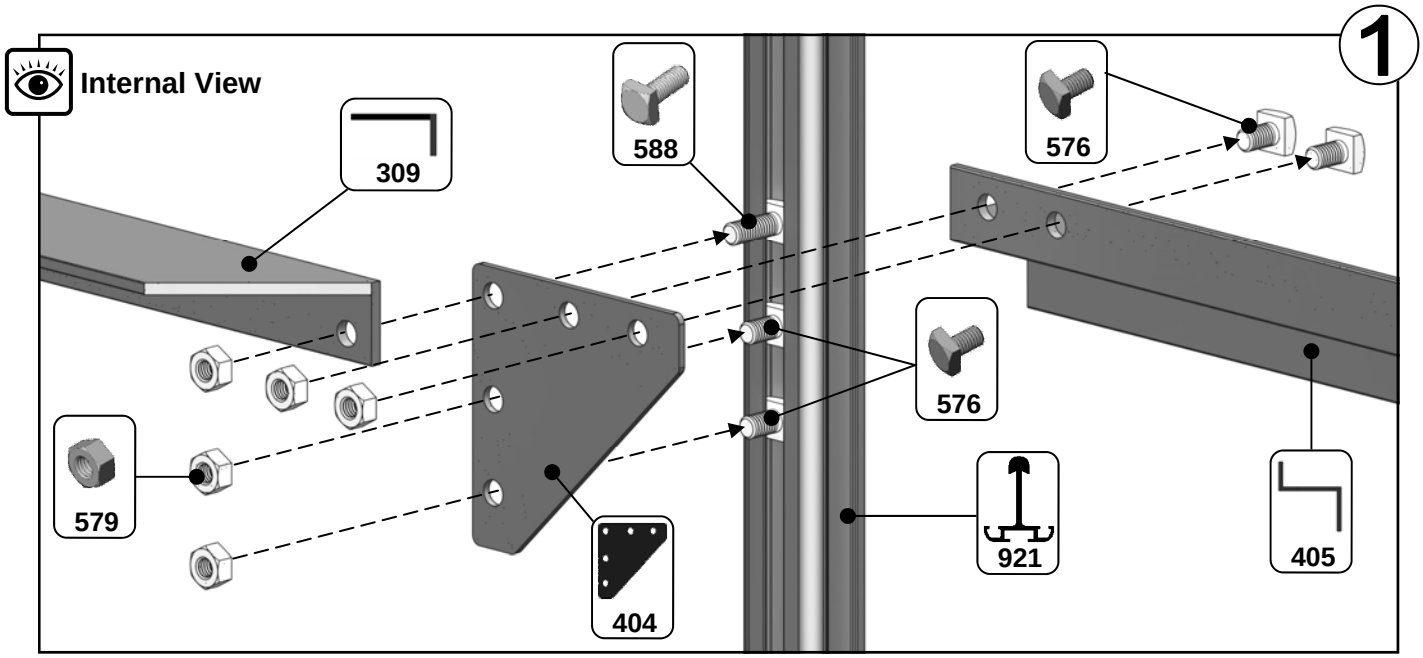


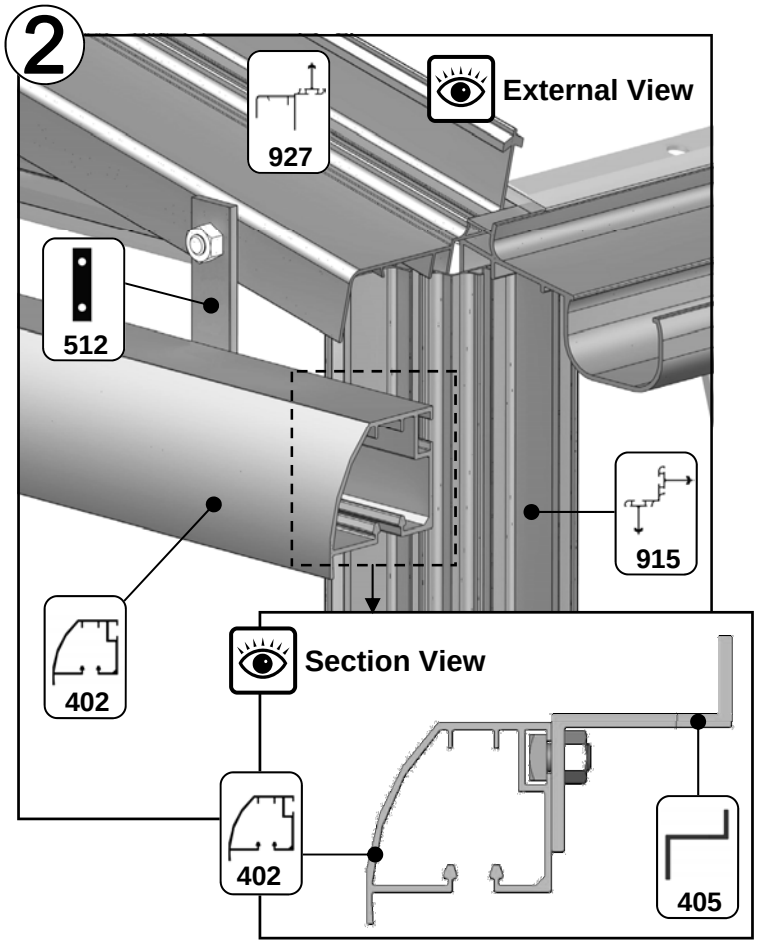
Door Track and Runner

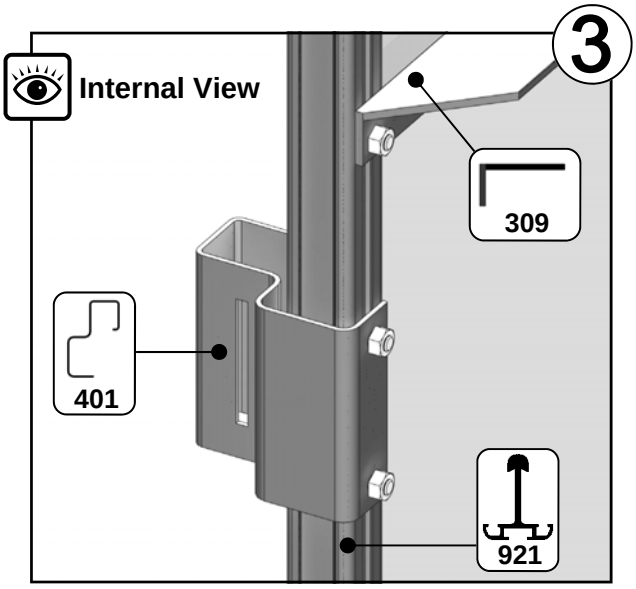
Part Number	Size (mm)	Quantity
374	1888	**1**
401	80	1
402	1320	1
404	-	2
405	612	1
512	252	1
525	588	1
576	10	6
579	-	9
588	15	1

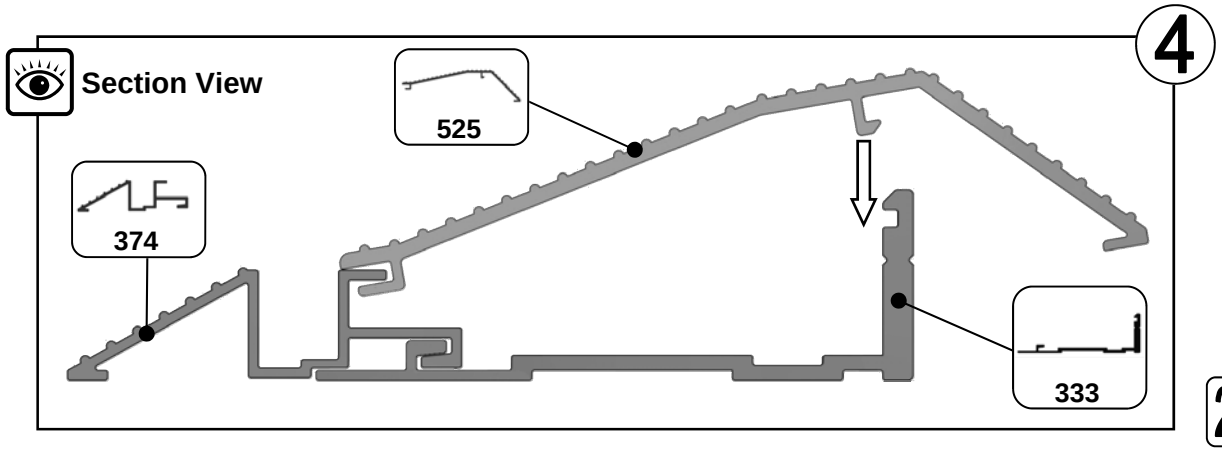


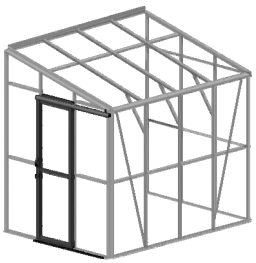
Remember the door can be fitted on the other end or on the front.


1
Internal View
309
588
576
576
579
404
921
405

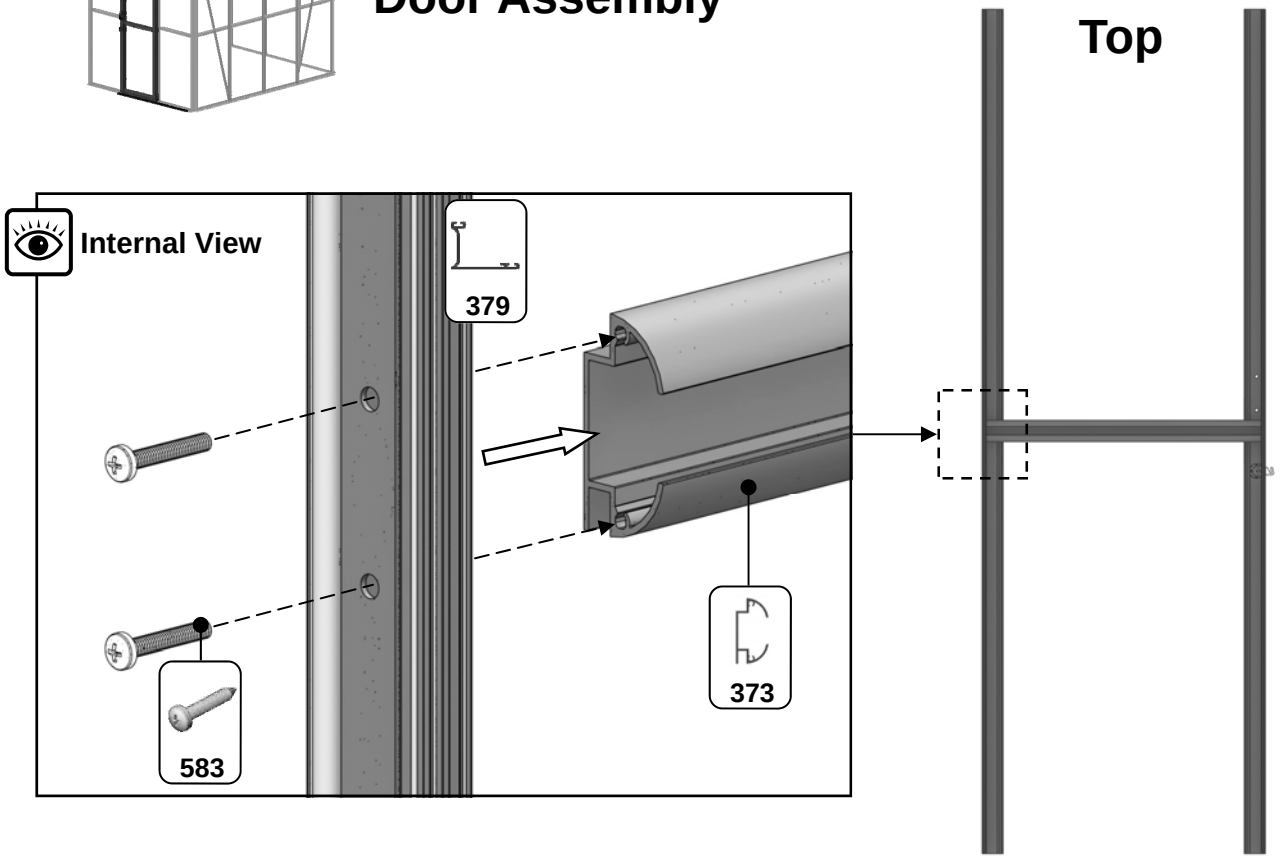

2
External View
927
512
915
402
Section View
402
405

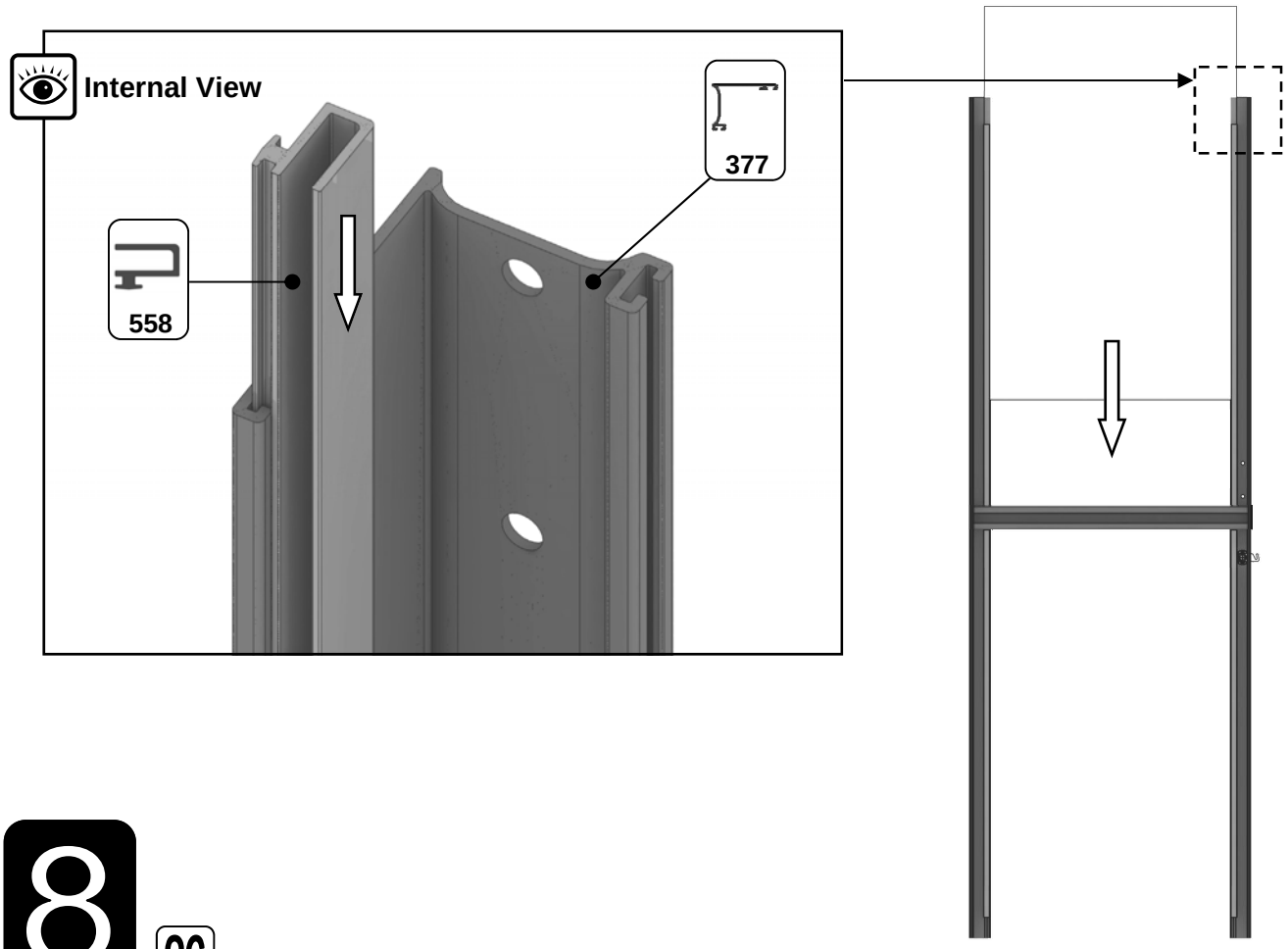

3
Internal View
309
401
921

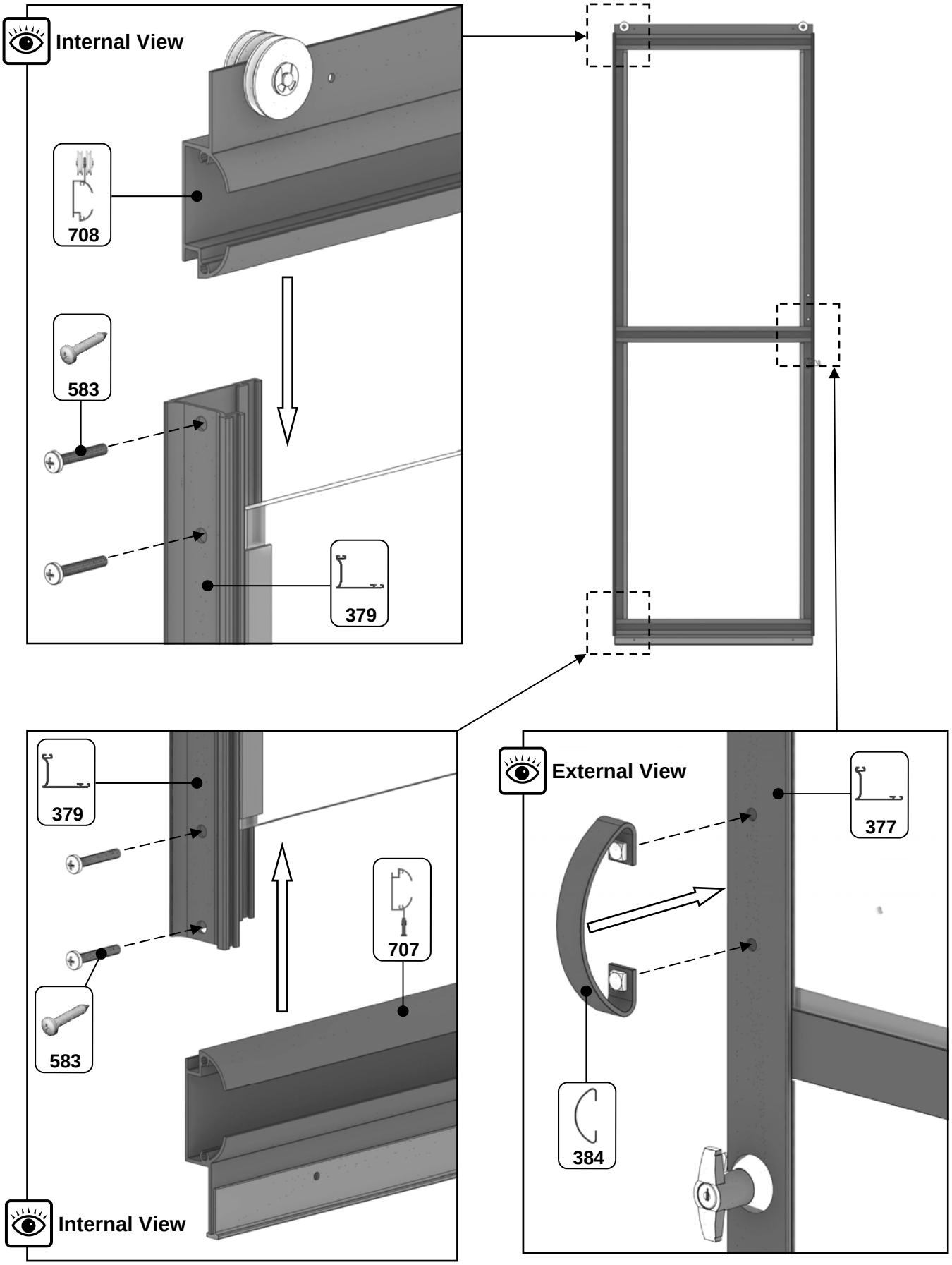

4
Section View
525
374
333

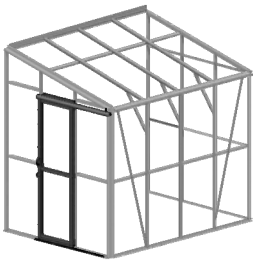


Door Assembly





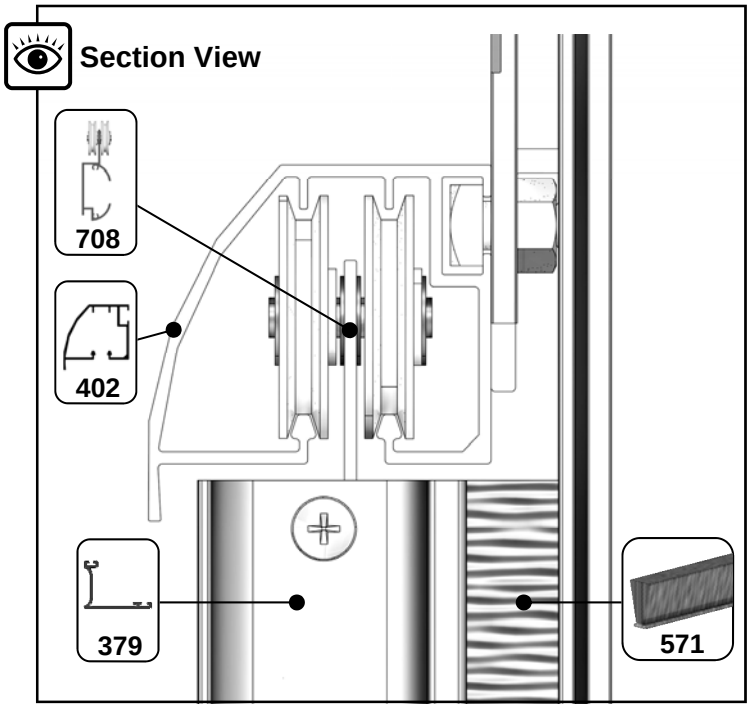

Internal View
708
583
379
External View
377
384
707
583
379
Internal View

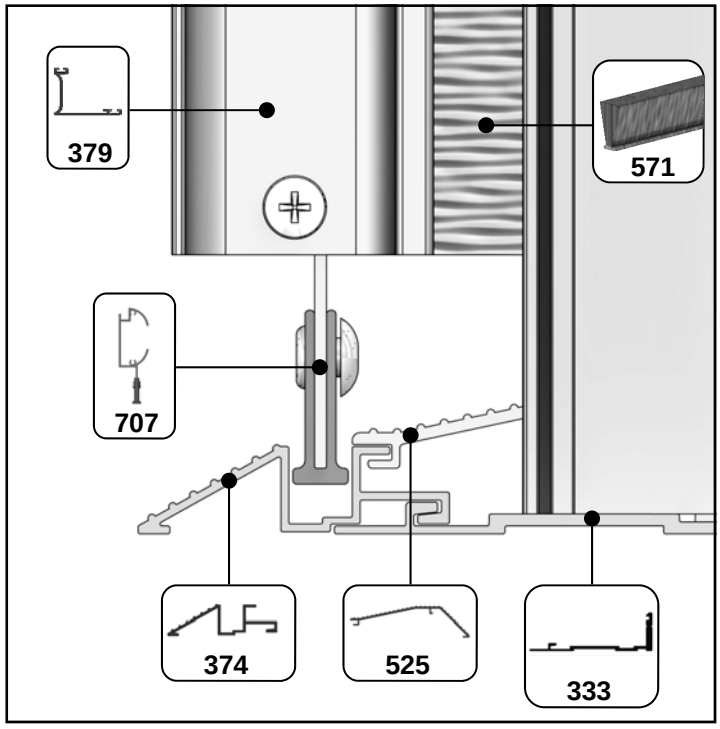


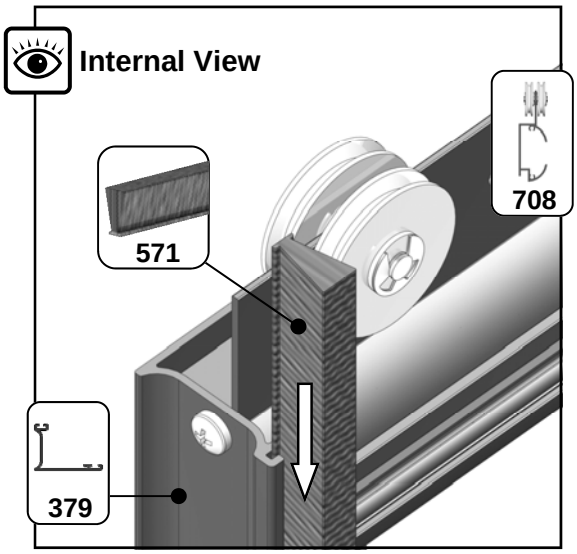
Door

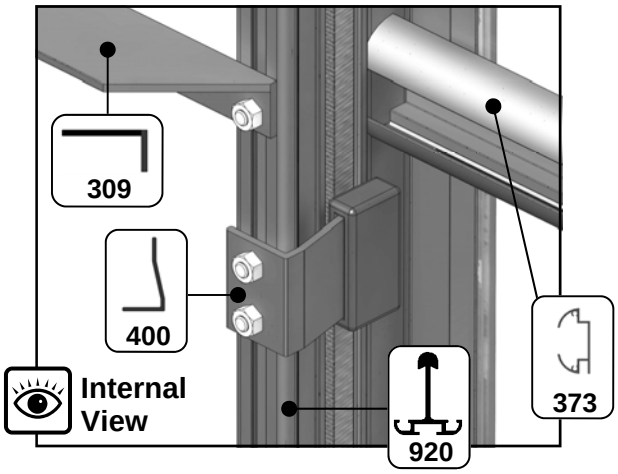
Door Instillation on Gable
To locate the door wheels and the door guide you will probably have to adjust the height of the door track, you do this by loosening the bolts that join the door track support bracket to the glazing bars.
If you find that the door doesn't run very well at first, try adjusting 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).

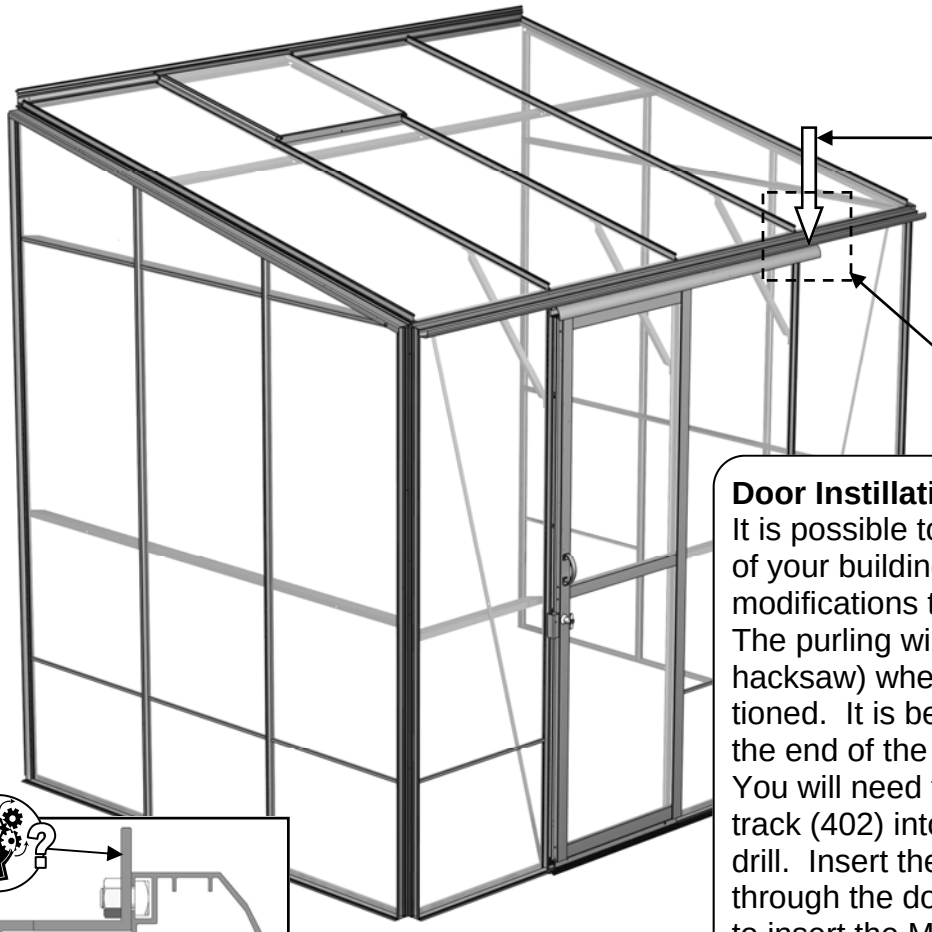
General maintenance: For a smooth running door you should oil the wheels regularly and keep the bottom door runner clear of grit by swilling with water.





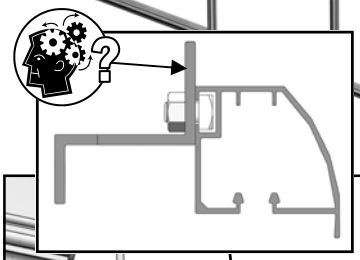


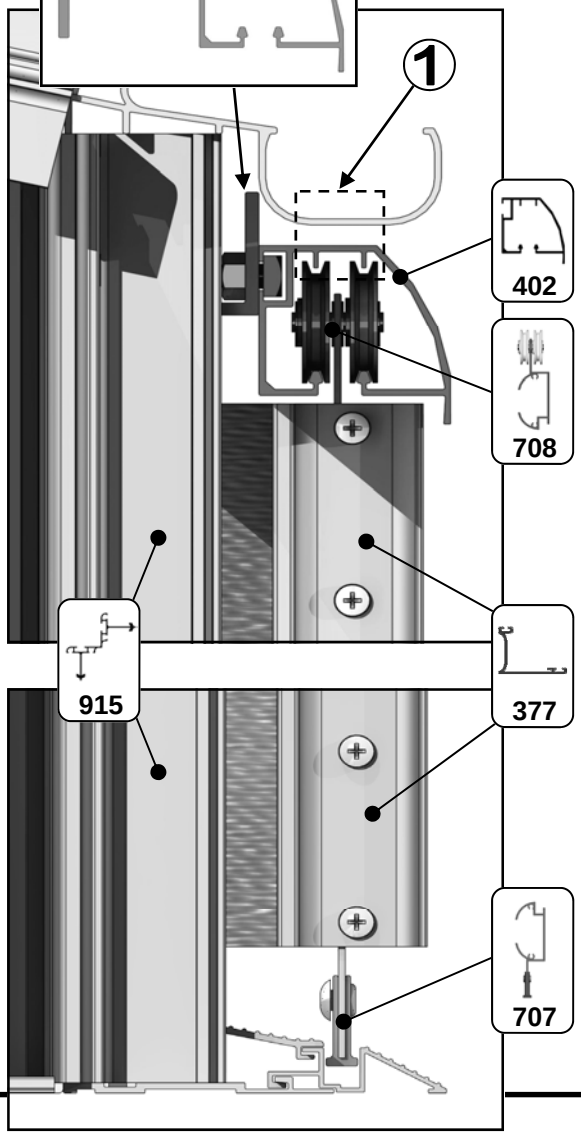




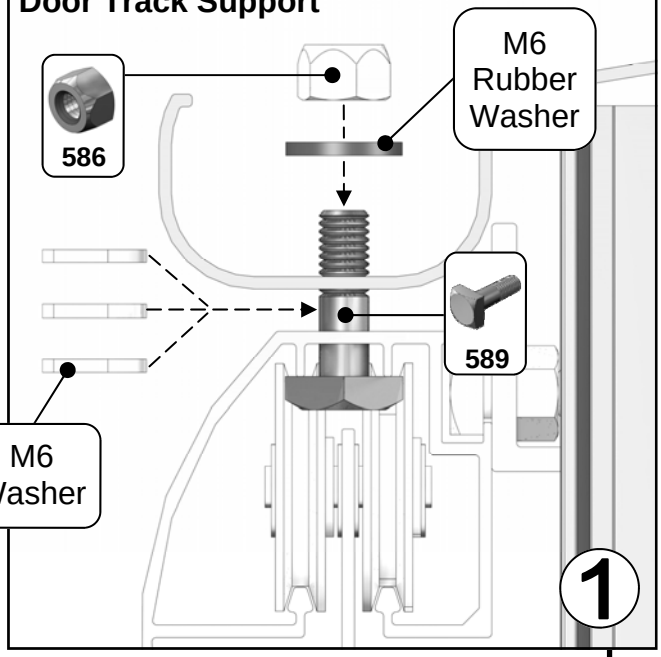
Door Instillation on Front

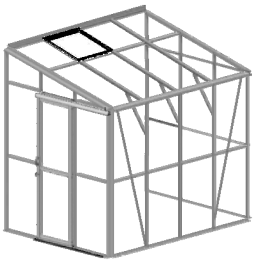
It is possible to fit the door to the front of your building. This will involve slight modifications to some components. The purling will need to be cut (using a hacksaw) where the door is being positioned. It is best to cut a 45˚ angle on the end of the purling, as supplied. You will need to drill through the door track (402) into the gutter with a 7mm drill. Insert the 20mm bolt (589) through the door track. You now need to insert the M6 washers to space the door track from the gutter. The number of washers used here can effect how well your door runs. Before fixing the nut (586) insert a rubber washer to seal the gutter.



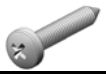


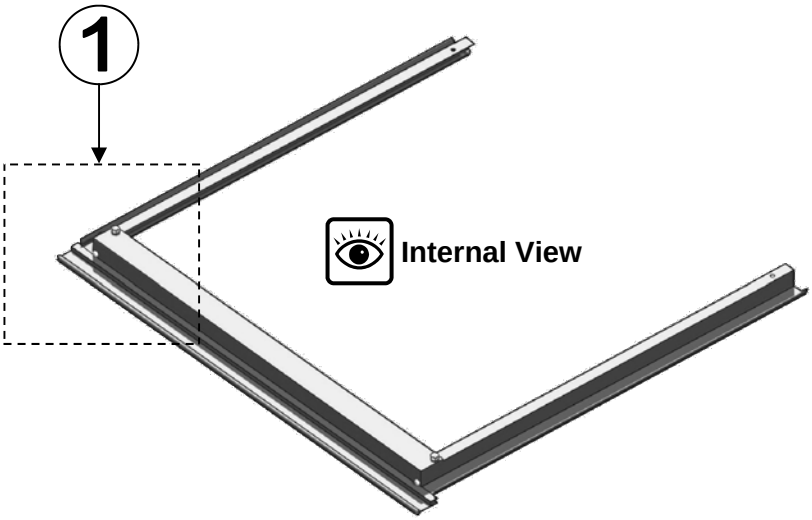
Door Track Support

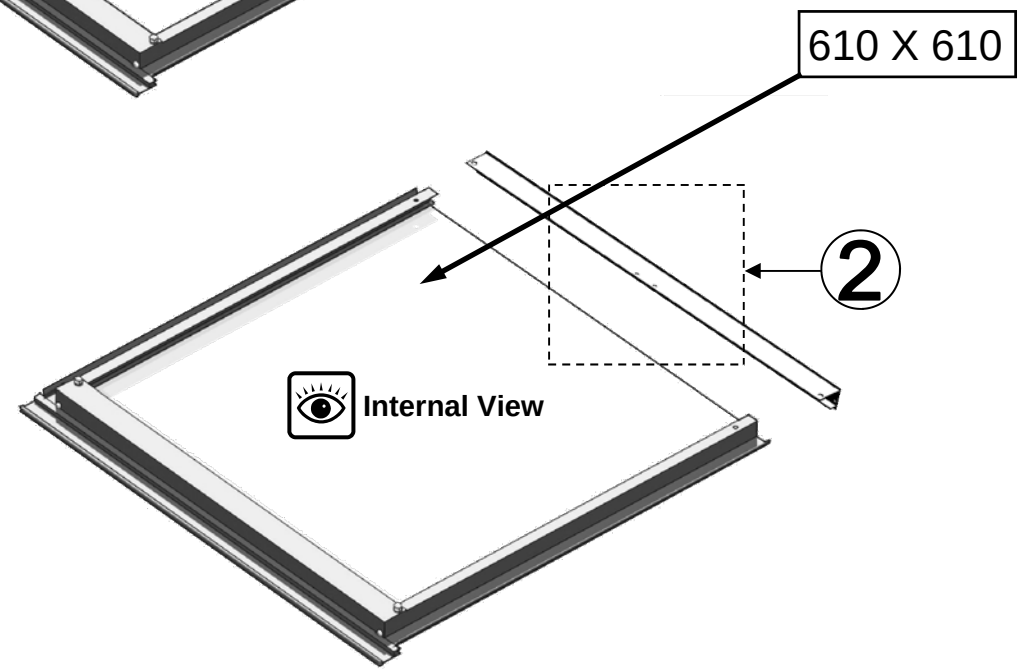


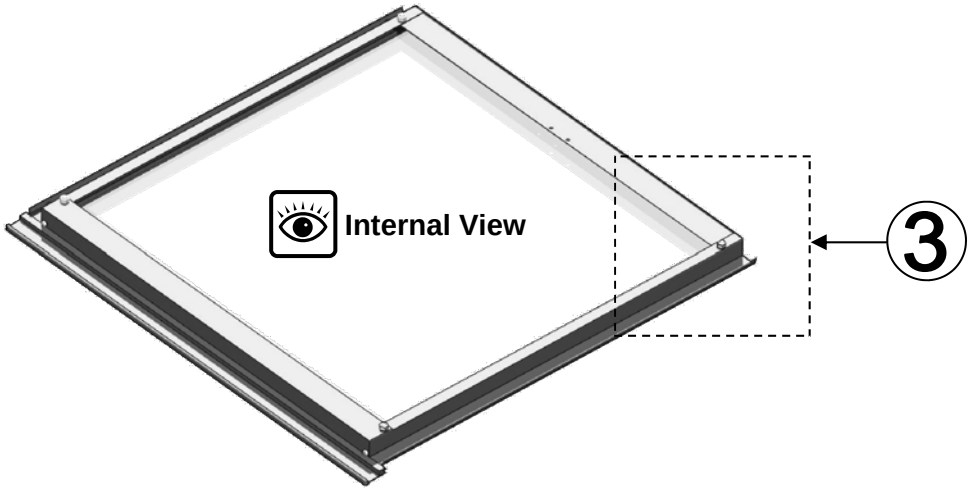


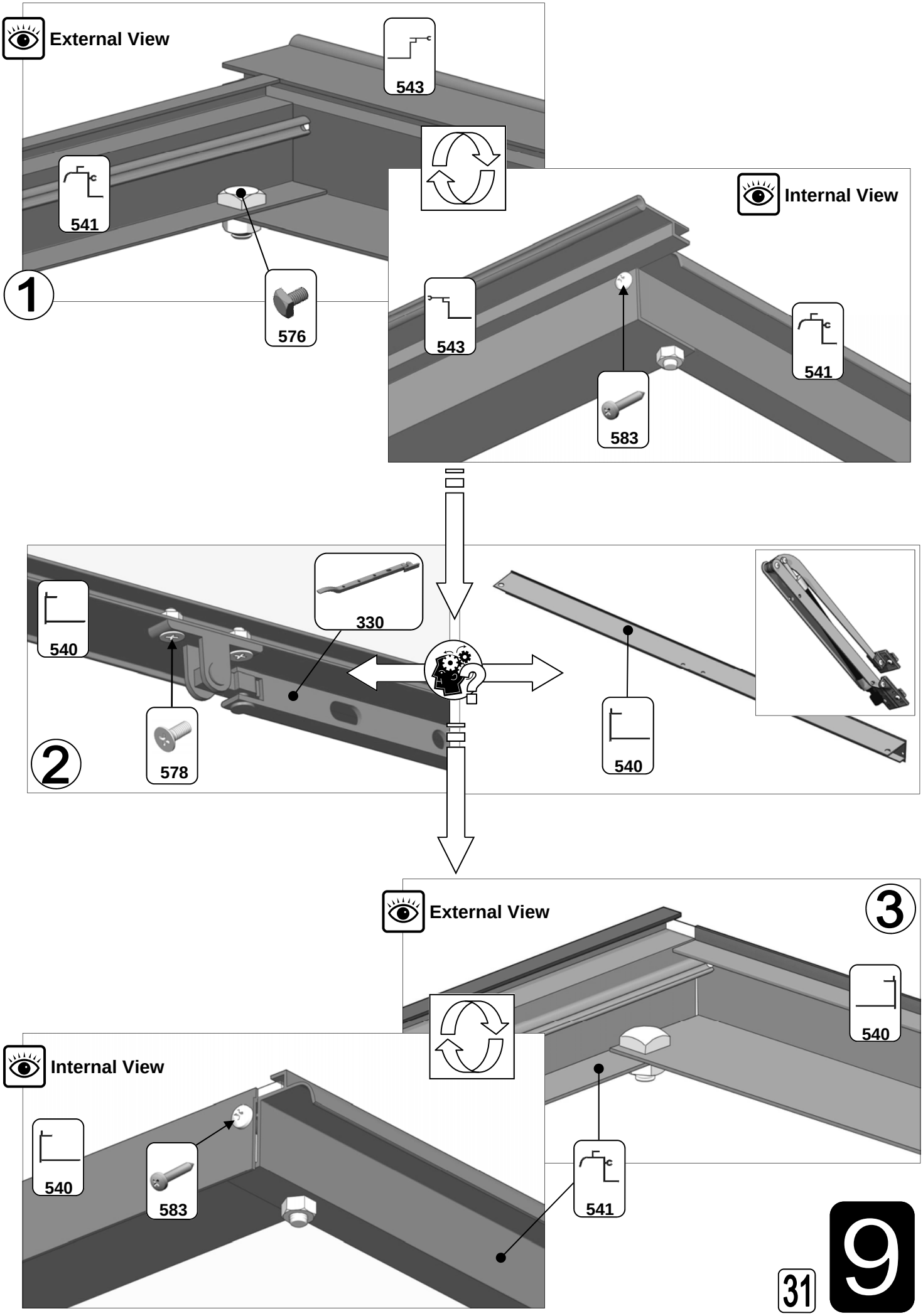
Vent

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

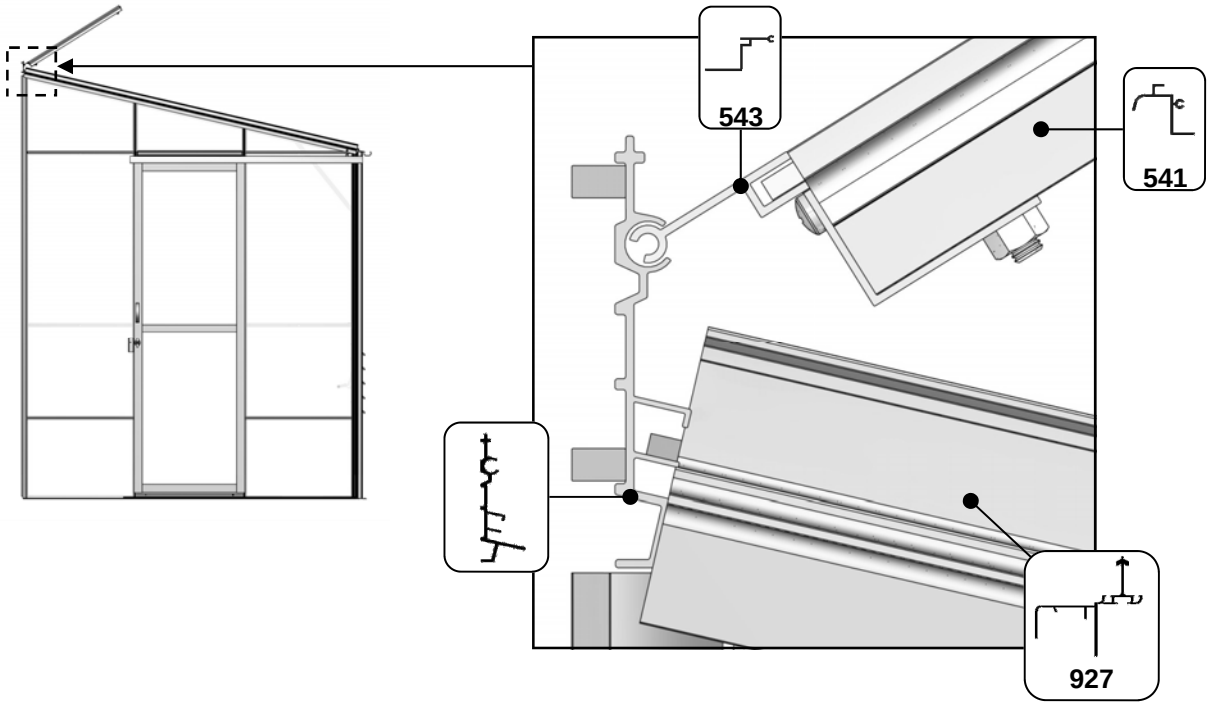


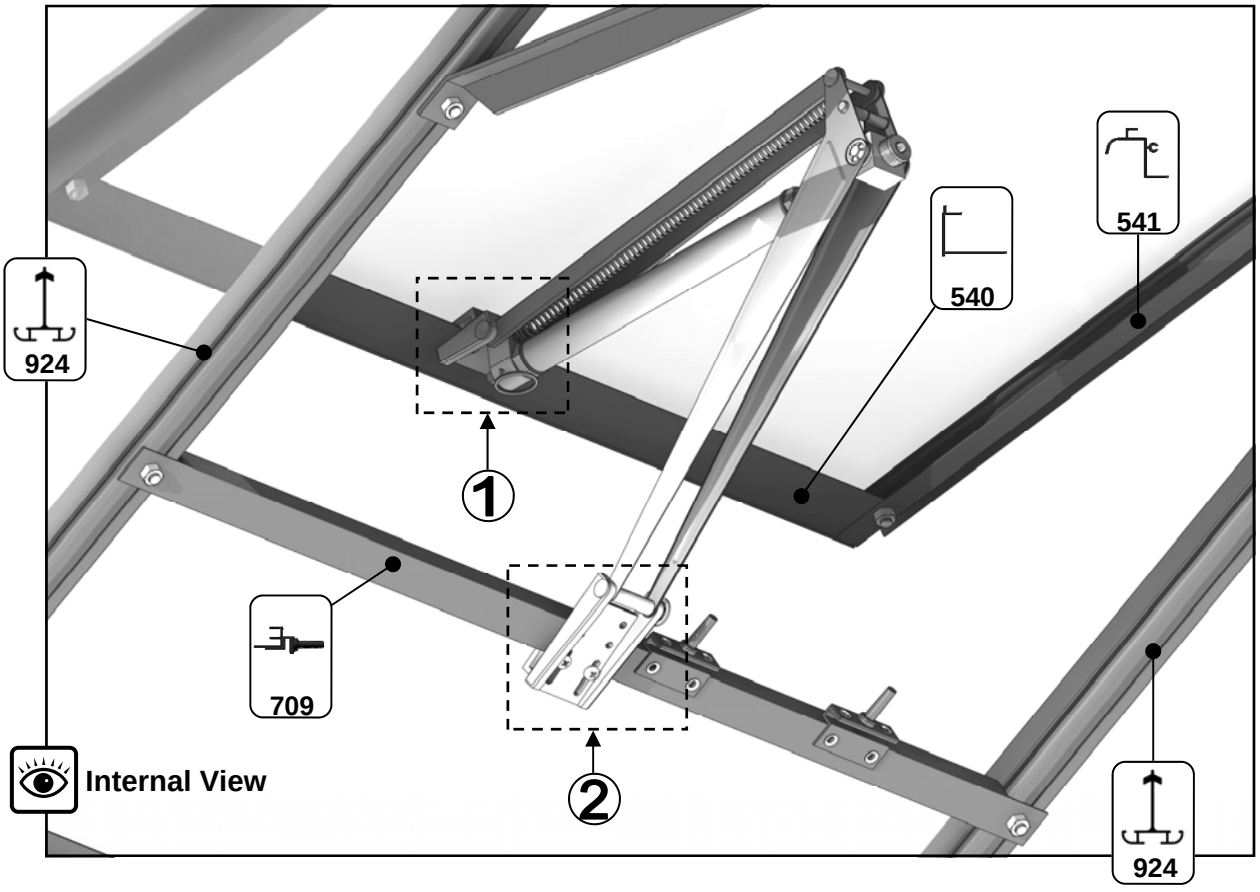




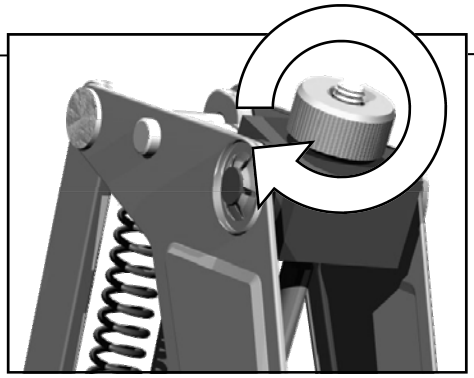

External View
543
541
1
576
Internal View
543
541
583
330
540
578
2
540
External View
3
540
Internal View
540
583
541

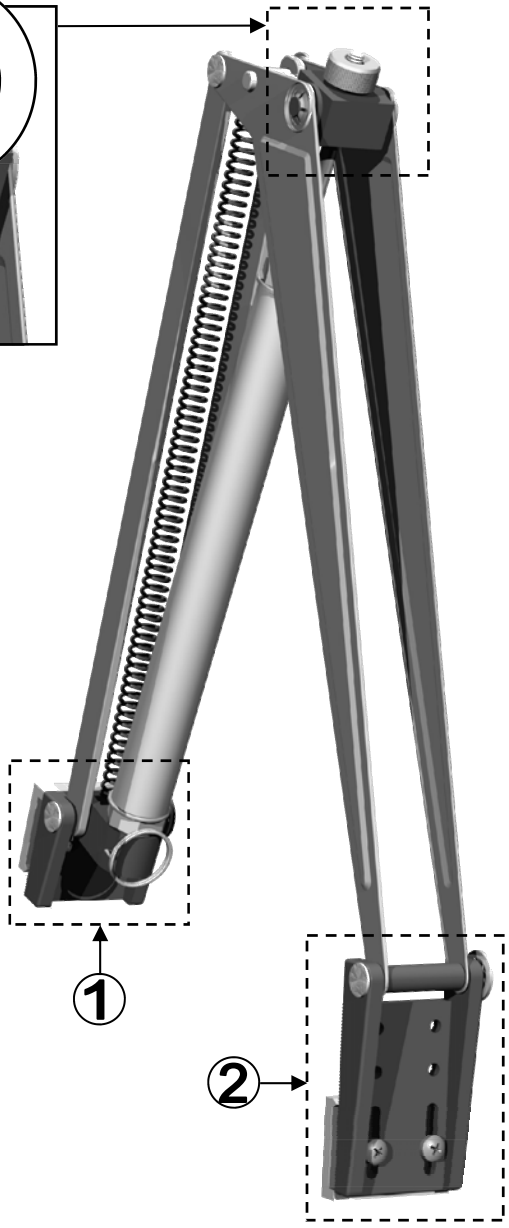
XL Autovent Attachment to Wellington Greenhouses

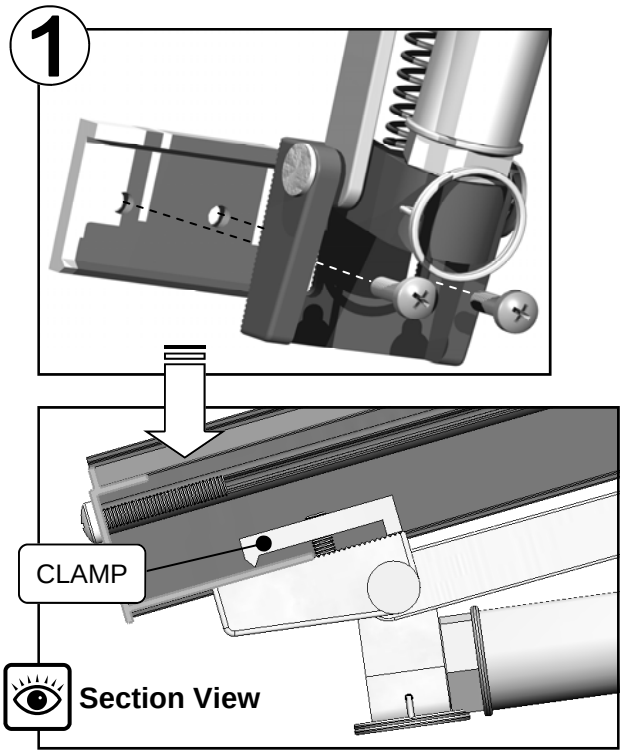


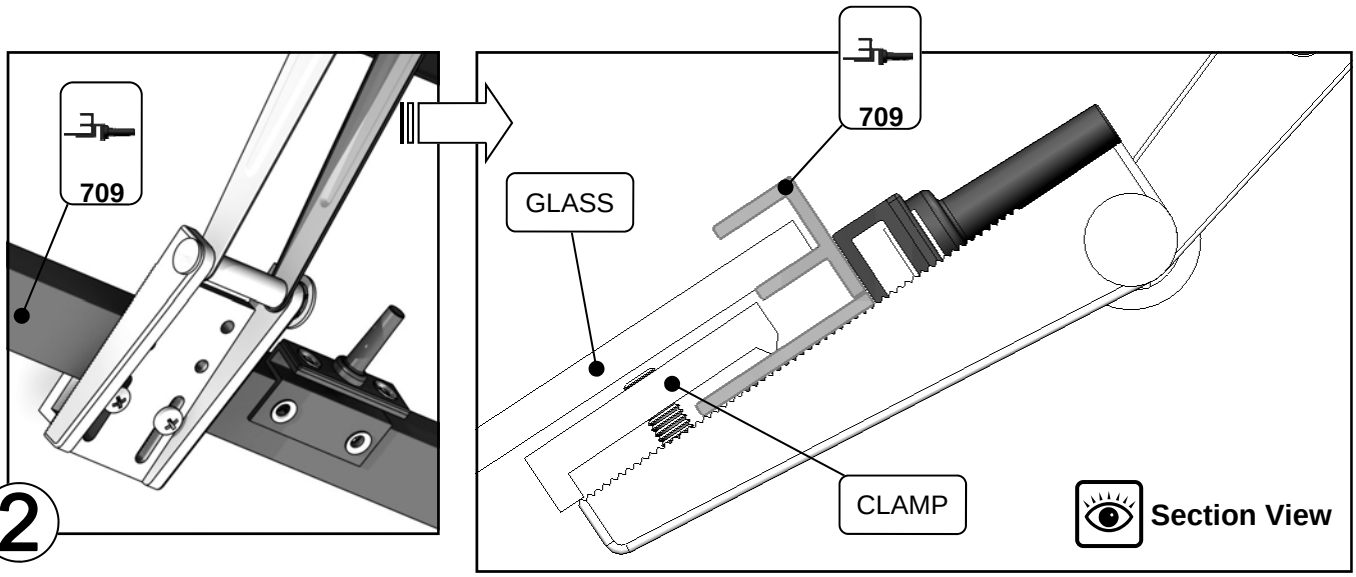


Rotate to adjust the position of your vent. You should take the weight of the vent in one hand while doing this.

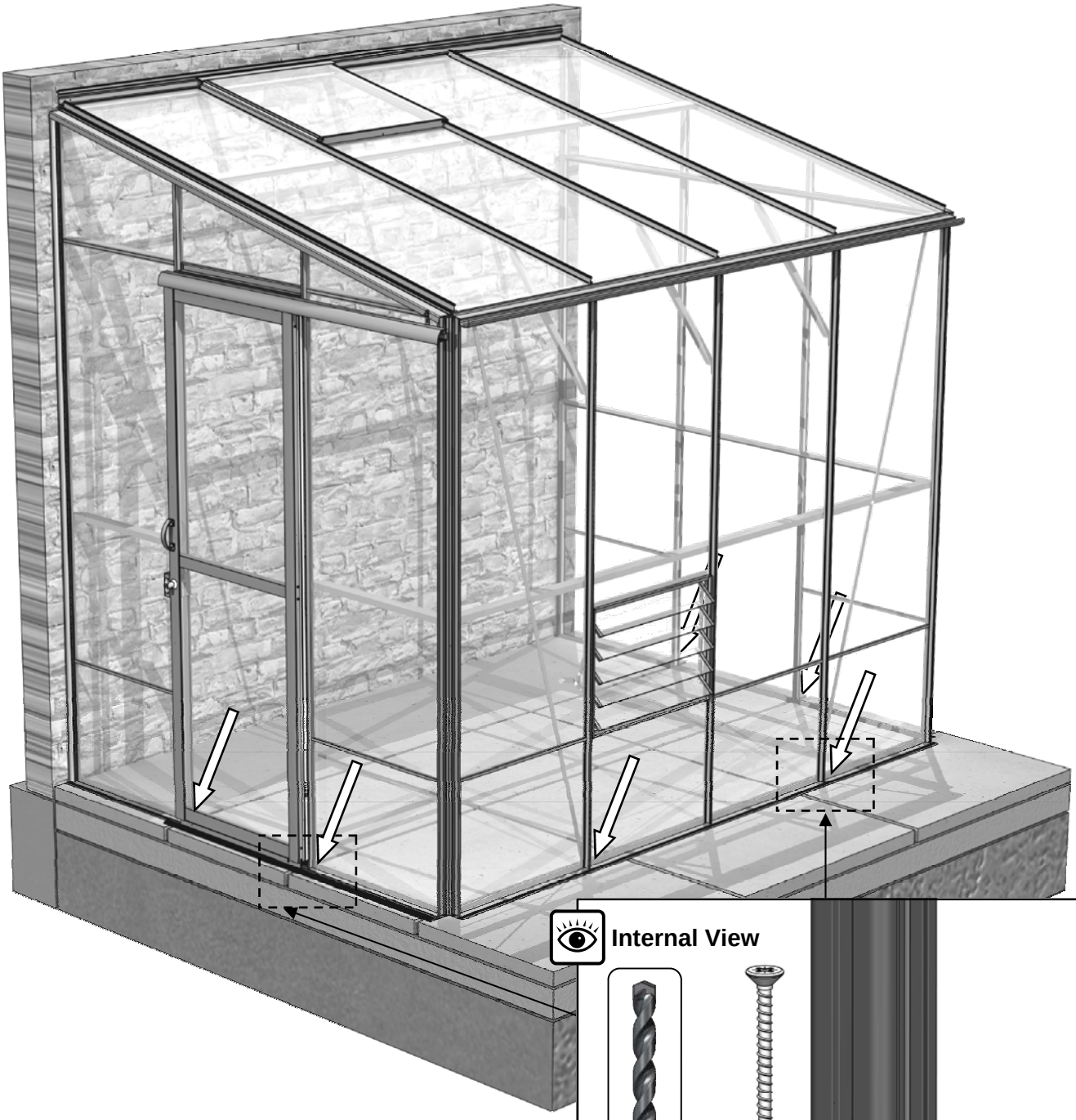


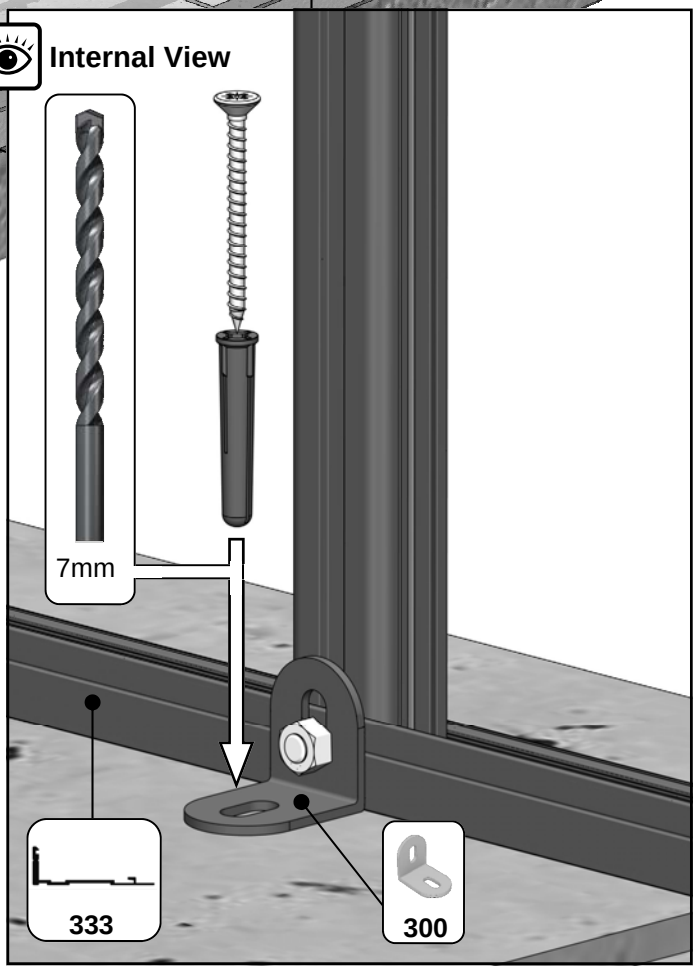






The autovent clamps in place. **NO holes are used.**





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 untill the greenhouse is fully glazed.

Downpipe Instillation

1. Firstly you need to decide which end you want your downpipe.
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, mark through the screw hole and with a 3.2mm drill make a pilot hole. Using the self tapping screw fix the bracket to the corner bar.
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
Screws, self tapping - 19mm M3.5	583	19	1
Gutter outlet	590	70	1
Gutter stop end	591	26	1
Downpipe	592	1500	1
45 degree double collar	593	-	1
Downpipe bracket	594	-	1