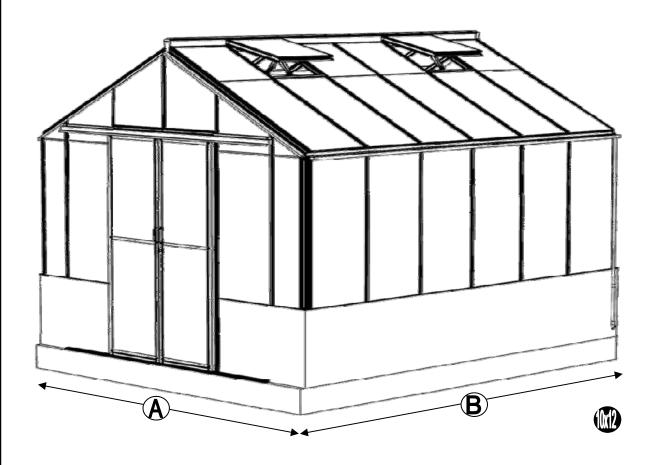


# Rosette DWARF Assembly Instructions



NOMINAL SIZE	A (mm)	B (mm)
10 x 6		1990
10 x 8	2240	2610
10 x 10		3230
10 x 12		3850

NOMINAL SIZE	A (mm)	B (mm)
6ft extension		1860
8ft extension		2480
10ft extension	-	3100
12ft extension		3720



Thank you for purchasing your new Robinsons 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.robinsonsgreenhouses.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 385409.

These instructions are divided into sections highlighted by a white number/letter on a black background at the bottom corner of most pages (see opposite page for details); part lists, B-base, P-preparation, 1-sides, 2-front gable, 3-rear, 4-joining the four sides together, 5-roof, 6-vent, 7-door, 8-glazing, 9-vent attachment, 10-door attachment, 11 anchoring down, 12 optional louvre, 13 optional shelf, 14 optional staging. If you need to contact us for assistance please refer to the relevant section/s. If your building is longer than 12', i.e. has an extension then please also refer the separate extension manual.

#### 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.
- IMPORTANT: Do not fix your building down until the building is fully assembled, including glazing.
- 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 stamped number (without the 'D') or removable label. Alternatively, the components can be identified by lengths detailed in the packing list (see diagram below).
- Anchoring down your greenhouse should be the final stage of construction (including glazing).
- 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.

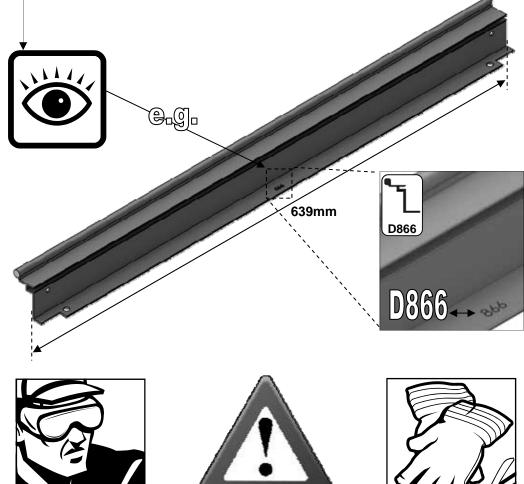
#### Guarantee

 Your new Robinsons greenhouse is guaranteed for 10 years against faulty manufacture of the frame work. This does not include glazing, moving parts, accidental damage or wind damage.

	SYMBOL	
ne-		EXTERNAL VIEW
	0	INTERNAL VIEW
		THINK
	CT	THIS SECTION RELATES TO ANOTHER (e.g. 1 to 5)
		CORRECT
		DO <u>NOT</u> FIX DOWN!
	B	TWIST TO LOCK
	~	TIGHTEN
		PUSH AND HOLD
		CUT TO LENGTH

KEY DESCRIPTION

**KEY** 

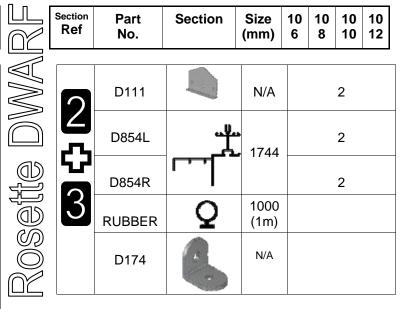


SECTION No	TITLE	ASSEMBLY SYNOPSIS: IMPORTANT INFORMATION / CONSIDERATIONS
	PARTS LIST	Most components should have a 'D' code punched into their metal surface. Identify and separate all like for like components prior to assembly. The 'parts list' also separates parts into the various sections 1 - 12 shown below. Parts can also be identified by their profile pictures and stated lengths etc
В	BASE	Base dimensions and recommendations. Ensure that your base is level as this will make assembly of the building, especially the glazing of the roof much more straight forward.
Р	PREPARATION	Tools required. <u>IMPORTANT</u> : Use WD40 or similar in the glazing bar channels and insert the black glazing rubber prior to frame assembly.
1	SIDES	Take the side glazing bars 'D609' with the rubber inserted and the diagonal braces 'D604', use 10mm bolts to join them to the gutter and 15mm bolts to the cills (note how the head of the bolt slides into each glazing bar during construction).
2	FRONT	Again insuring that the gable framework is rubbered-up follow the diagrams to assemble each end of the building. Make sure that you have inserted the extra bolts utilised in sections 4, 5
3	REAR	and 10. On the roof and side corner bars not every rubber channel will require rubber unless it is to be utilised in a partition (see separate manual and section P).
4	JOINING THE FOUR SIDES	Take the two sides (1) and both gables (2 & 3) and join them together on your base. It is a good idea to tie some ladders to the sides to support them if you do not have anyone to hold them for you.
5	ROOF	Attach ridge and then the rubbered-up roof bars ensuring that they are fully butted up to the ridge and down onto the gutter. If you have <u>cresting</u> then it is a good idea to fit it before glazing, see section (15). Some tubular braces are supplied to add extra strength, they can be fitted now or later with crop head bolts.
6a	VENT	Once the vent is glazed add silicone to the vent sides and top. Stand the vent/s on their hinge (vent top) and then leave the silicone to set.
6b	VENT SLAM	The slam bar 'D079' can be moved up and down between the roof glazing bars so that it can be butted down onto the pane of glass beneath, the autovent will be attached to it later on (9).
7	DOOR/S	Construct the door using the diagrams and then leave to one side ready for attachment in section (10).
8	GLAZING	Layout the bar cappings and covers around the building like a sundial checking that all is present and correct. You can also place the roof cappings in the gutters so they are closer to hand. The glass in the ends has to bevel on the black separator strip, this bevelling action allows the glass to tuck underneath the roof corner canopy. Use the capping and the self tapping screws to then hold the glass in place. The covers then enclose the screw heads giving a neat finish.
9	VENT ATTACHMENT	Take the assembled vent and slide the vent hinge 'D866' into the end of the ridge allowing the vent the pivot open and closed. Vent stops go either side of the vent to stop any lateral movement (so insert stop / vent / stop). Attachment of the Bayliss XL autovents.
10	DOOR ATTACHMENT	Utilise the bolts inserted in section (2) to attach the upper door track. The lower door runner 'D861' and ramp threshold 'D088' push down and lock together.
11	ANCHORING DOWN	Now that the greenhouse is finished and the door and vent/s are operating without interference then you need to anchor the building down using 2" rawl plugs and screws. Use a 7mm masonry bit in a hammer drill to create the holes.
12	OPTIONAL LOUVRE	They attach to the building during the glazing process (8) like a piece of glass with a black separator above and below them.
13 14	OPTIONAL SHELVING OPTIONAL STAGING	Robinsons integral cantilever staging and shelving attaches to the inside of the greenhouse frame using either square head bolts (insert four into each side glazing bar 'D609' during construction of the sides (1)) or rectangular 'crop head' bolts which can be fitted retrospectively (both sets of bolts accompany the shelving/staging). This system allows the height of either the staging or the shelf to be set at an operator specific height. Commonly the staging brackets are set 900mm from the cills though you can alter this to suit the end user/s. The aluminium shelf / staging slats come in two lengths; (4'):1240mm 'D2002' and (6'):1860mm 'D2003'.
15	FINISHING TOUCHES	These slats can combine to create any length of staging required, i.e. 4'+6' = 10' etc  Now that the main body of the structure is complete you can add; ridge caps, downpipe fittings, eave bungs. Images showing cresting and finial attachment, this is often easiest to do after section (5) rather than using the vent apertures later on (i.e. before glazing).

Section <b>Ref</b>	Part No.	Section	Size (mm)	10 6	10 8	10 10	10 12
	D043		1894	2			
	D021		2514		2		
	D022	$\overline{}$	3134			2	
	D023		3754				2
	D042		1897	2			
	D014	٦.	2517		2		
	D015	<b>└</b>	3137			2	
	D016		3757				2
	D604		1316		4	1	
	D609	4	1160	4	6	8	10
	RUBBER	Q	1000 (1m)	10	12	14	17
	D174	6	N/A	4	4	8	8
	D038A		3226			1	

	D038A		3226	1
	D600		1270	1
	D669L	1	1	1004
	D669R		1	1004
	D608	³ ₹	1160	4
2 4 8	D655	<del>   </del>	1906	1
3	D656	4	1610	2
	D657		1314	4
	D670	<del>} [</del> =	2210	2
	D109		3140	1
	D653		1270	1
	D626		1497	4

Section Ref	Part No.	Section	Size (mm)					
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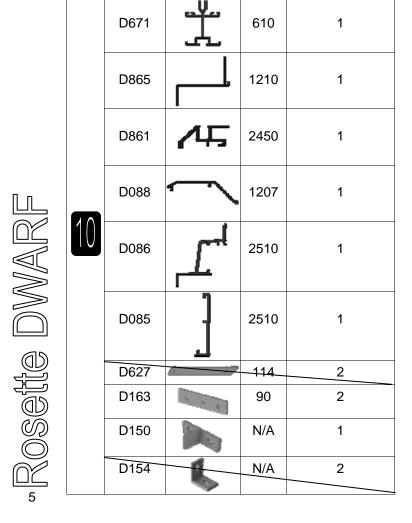
	D044	4	1897	1			
	D001		2517		1		
	D002	*	3137			1	
5	D003	人	3757				1
	D065	<b>#</b>	1744	4	6	8	10
	RUBBER	Q	1000 (1m)		21	28	35

	D866	<b>1</b>	639	2	2	3	3
	D863L		613	2	2	3	3
	D863R	上	613	2	2	3	3
6	D862	<u>_</u>	593	2	2	3	3
	D079 PLUS FLUFF	11 T	590	2	2	3	3
	D114	4 4	N/A	4	4	6	6
	D220 PLUS SCREW	0	N/A	4	4	6	6
	D205	-	N/A	4	4	6	6

Section Ref	Part No.	Section	Size (mm)	10 6	10 8	10 10	10 12		
	D090 + D347 lock = D301	<u></u>	1824			1			
	D092 + D156 strike = D303		1824		1				
	D093	<u></u>	1824		1				
	D094	<u></u>	1824		,	1			
7	D096 + D217 wheel = D307	#	611		;	2			
	D095		611		:	2			
	D097		611		:	2			
	D232		905			4			
	D233		797			4			
	P053		N/A		,	2			
	D225	0	610	2					
	D840B		4000	1					
() L	SEPERATE		10mm	31	37	43	49		
L	MAIN FRAME QUAIN LILES VENTS / DOORS etc SEPERATE		15mm	46	48	50	52		
4	VENTS	0	m6	77	85	93	101		

Section Ref	Part No.	Section	Size (mm)	10 6	10 8	10 10	10 12
1	D618		1144	4	6	8	10
2/3	D658		1314			4	

	1	D618		1144	4	6	8	10	
	2/3	D658		1314		4	ļ		
	3	D659		1610	2				
	2	D660		311	2				
	3	D661		1906		1			
	2	D662		600		1			
	5	D870		601	4	6	8	10	
	5	D876		1152	4	6	8	10	
	2/3	D610		1160		4	1		
0	1	D620		1144	4				
8	2	D814	~~~~	1883	2	2			
	5	D871	r	601		4	1		
	5	D877		1152		4	1		
	2/3	D614		1162		4	4		
	1	D619		1144	8	10	12	14	
	2/3	D663		1316		4	4		
	3	D664		1610		2	2		
	3	D665		1908	1				
	2	D666		602					
	2	D667		313		2	2		
	5	D811		1754	8 10 12 14			14	
	2	D836		1883		- 2	2		



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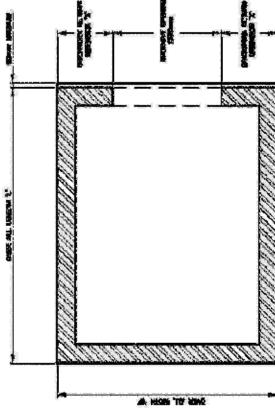
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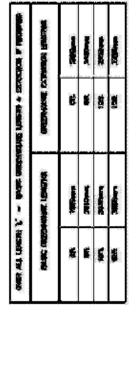
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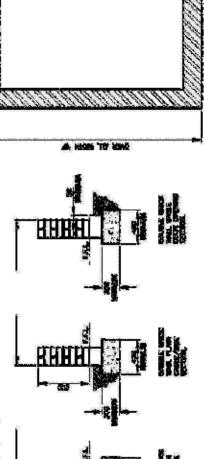
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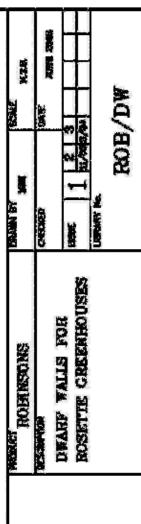


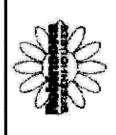
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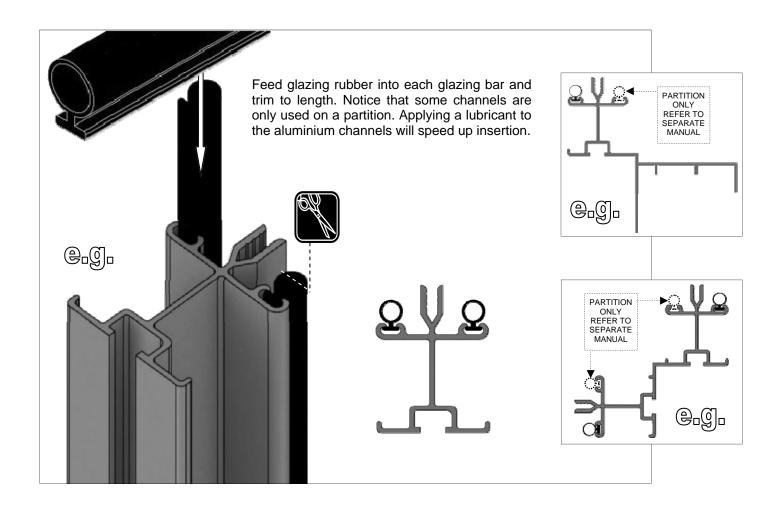


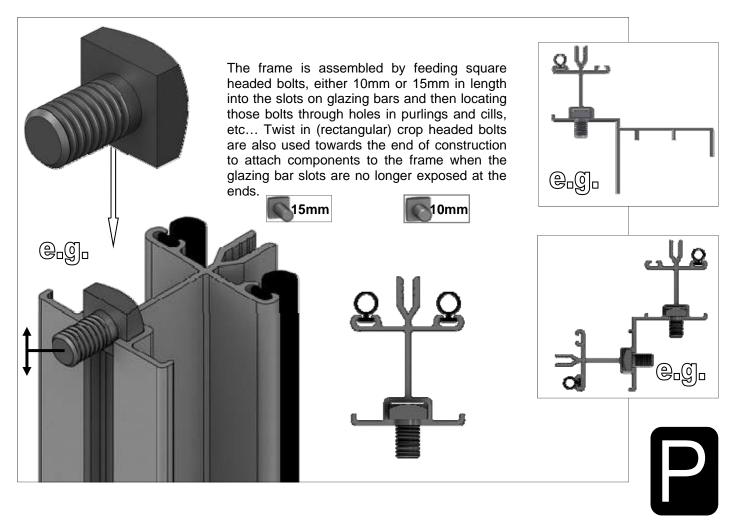
tolerance of +/- 0mm

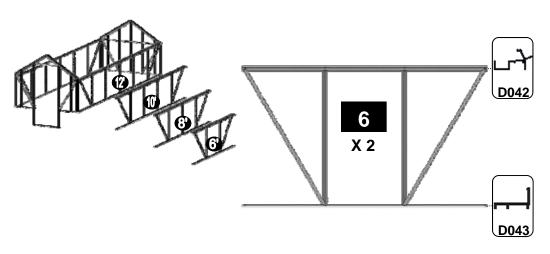




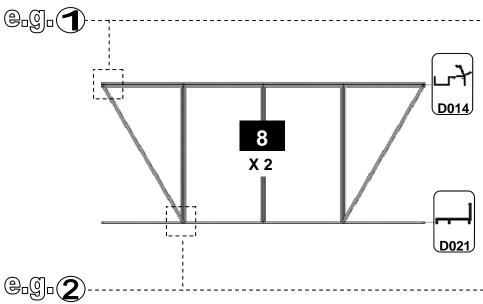








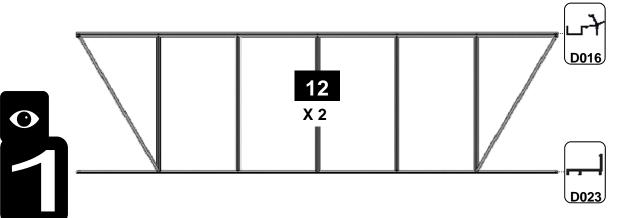
6 X 2 DWARF		
Part No	mm	Quantity
D042	1897	2
D043	1894	2
D609	1160	4
D604	1316	4
D174	4	4
M6- 10mm	3	4
M6- 15mm		8
M6- NUT	0	12
Rubber	1000	10



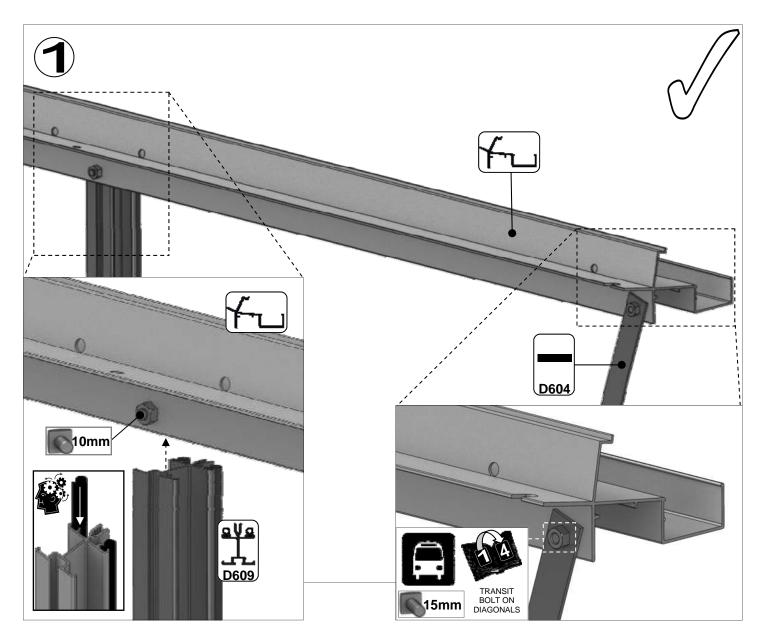
8 )	8 X 2 DWARF		
Part No	mm	Quantity	
D014	2517	2	
D021	2514	2	
D609	1160	6	
D604	1316	4	
D174	•	4	
M6- 10mm	3	6	
M6- 15mm		10	
M6- NUT	0	16	
Rubber	1000	14	

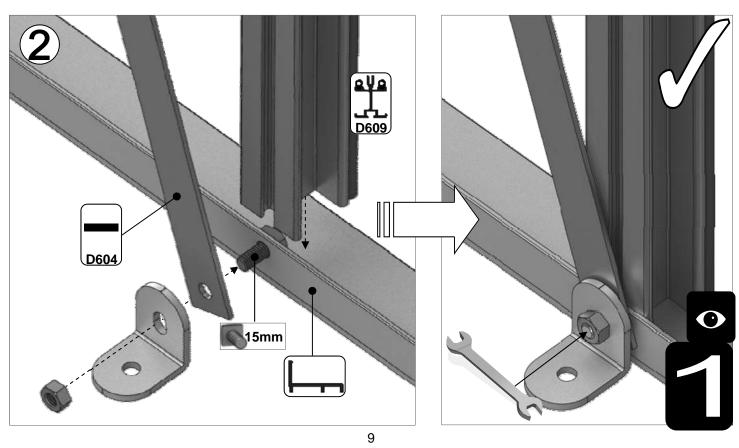
	1	
		D015
10 X 2		
^2		
	2	<u> </u>
		D022

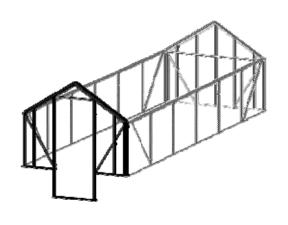
10	10 X 2 DWARF		
Part No	mm	Quantity	
D015	3137	2	
D022	3134	2	
D609	1160	8	
D604	1316	4	
D174	4	8	
M6- 10mm	3	8	
M6- 15mm		12	
M6- NUT		20	
Rubber	1000	19	



12	12 X 2 DWARF		
Part No	mm	Quantity	
D016	3757	2	
D023	3754	2	
D609	1160	10	
D604	1316	4	
D174	•	8	
M6- 10mm	-	10	
M6- 15mm		14	
M6- NUT	6	24	
Rubber	1000	24	

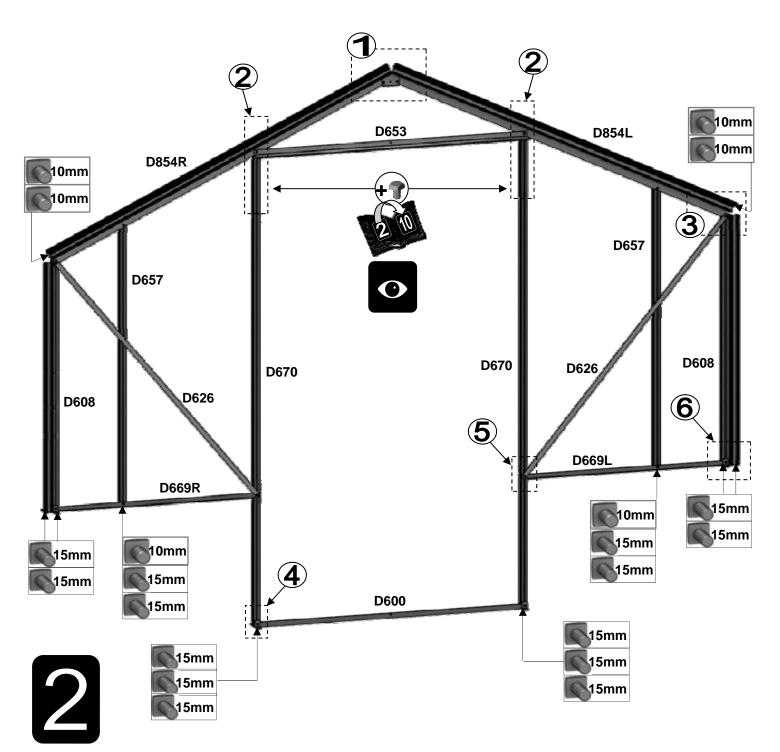


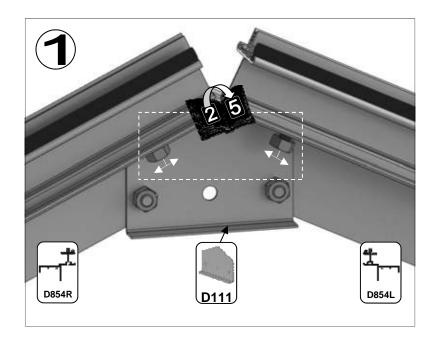




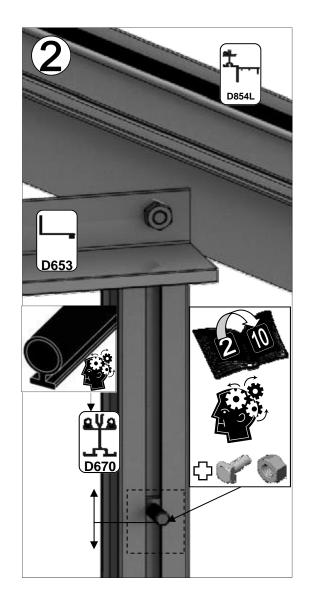
Part No	mm	Quantity
D600	1270	1
D608	1160	2
D626	1497	2
D653	1270	1
D657	1314	2
D669L	1004	1
D669R	1004	1
D670	2210	2
D854L	1744	1
D854R	1744	1

Part No	mm	Quantity
D111		1
D174	6	4
D227	Ю	23m
M6X10	4	8
M6X15	6	18
M6NUT	9	26



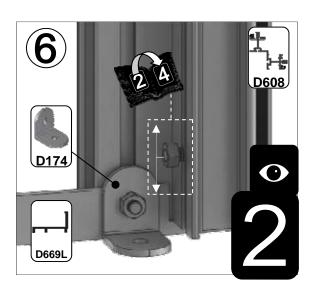


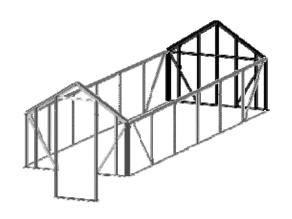






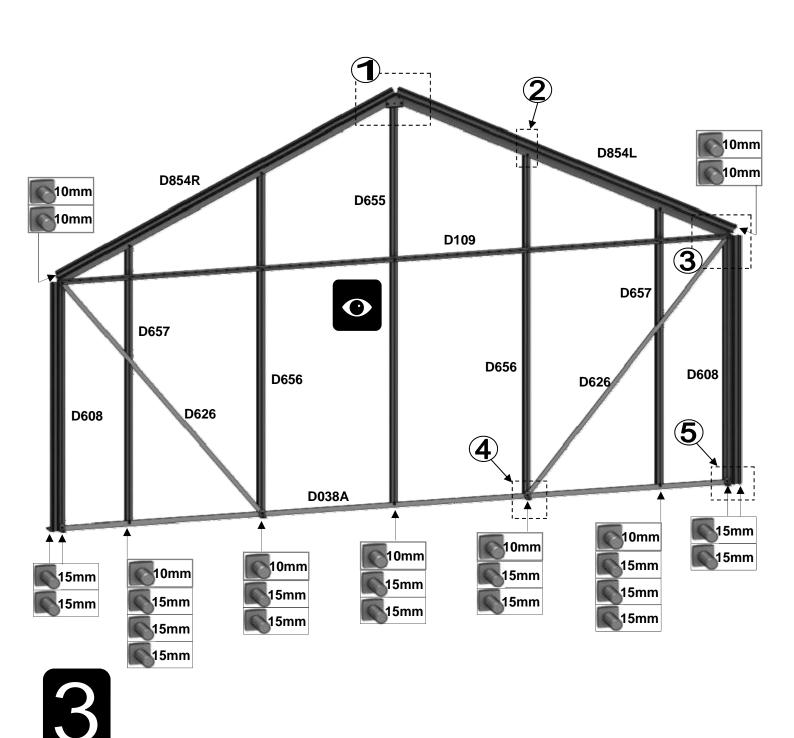


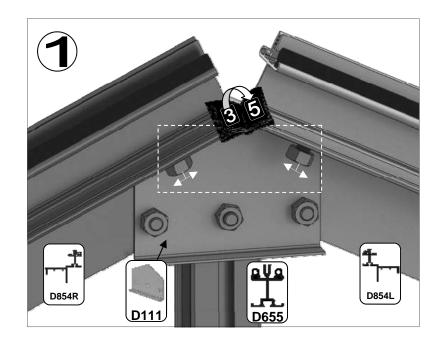


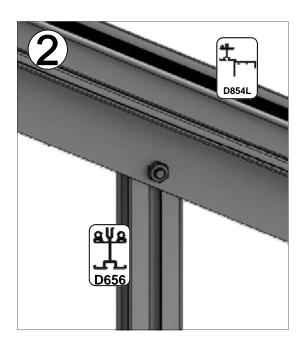


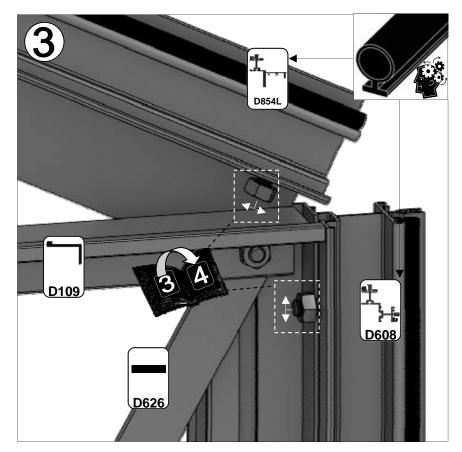
Part No	mm	Quantity
D038A	3226	1
D109	3140	1
D608	1160	2
D626	1497	2
D655	1906	1
D656	1610	2
D657	1314	2
D854L	1744	1
D854R	1744	1

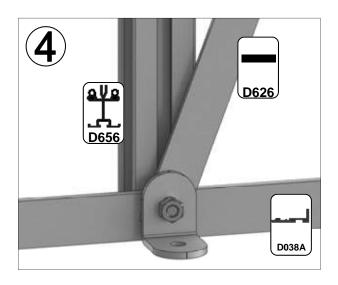
Part No	mm	Quantity
D111		1
D174	9	4
D227	Q	24m
M6X10		11
M6X15	Con Con	20
M6NUT	0	31

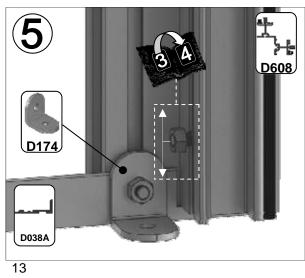




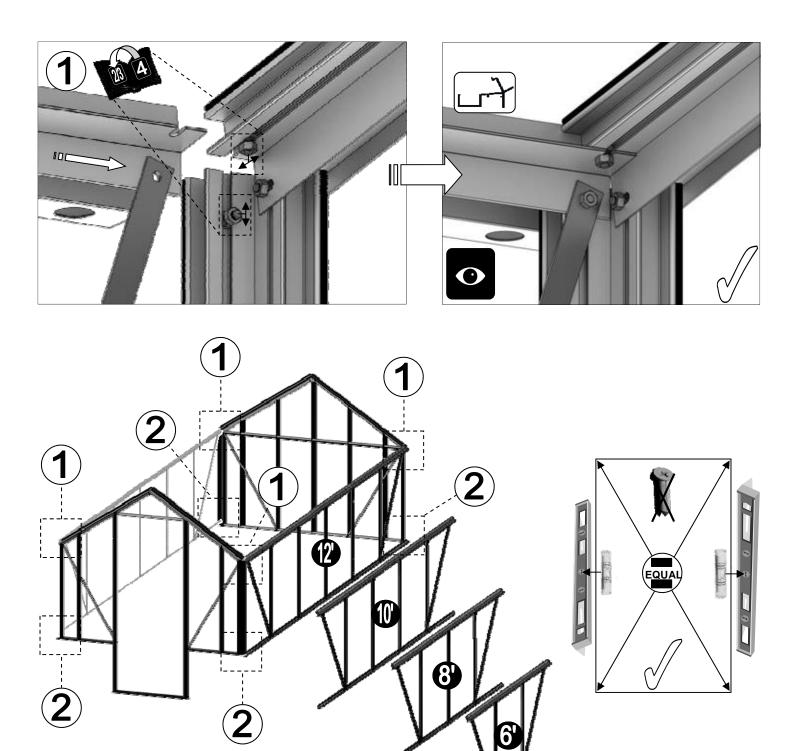


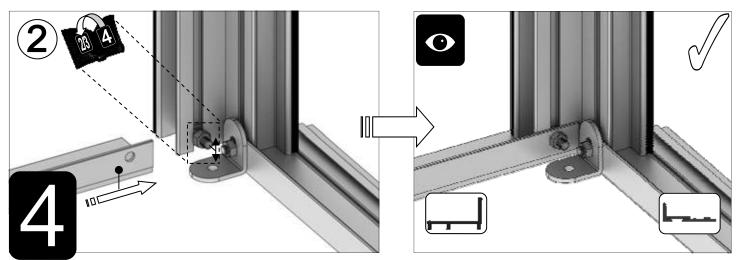










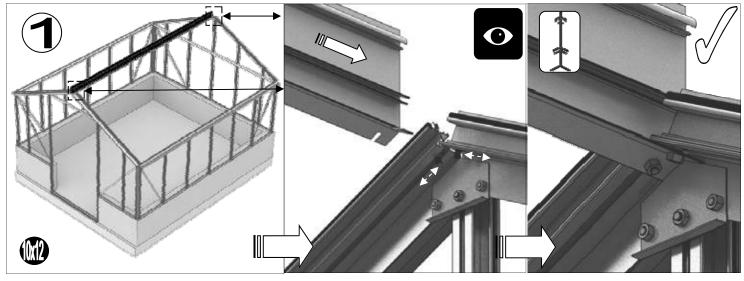


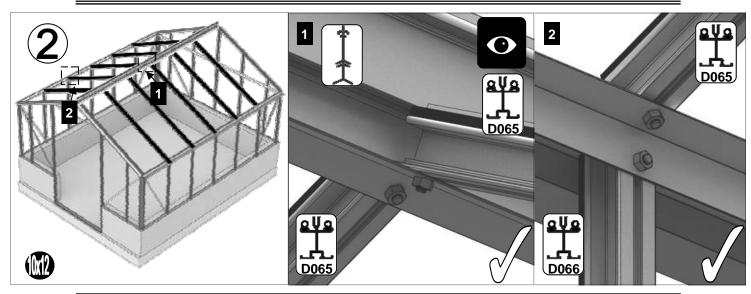
0		
Part No	mm	Quantity
D044	1897	1
D065	1744	4
D126	445	0
D128	1015	0
RUBBER	1000	14

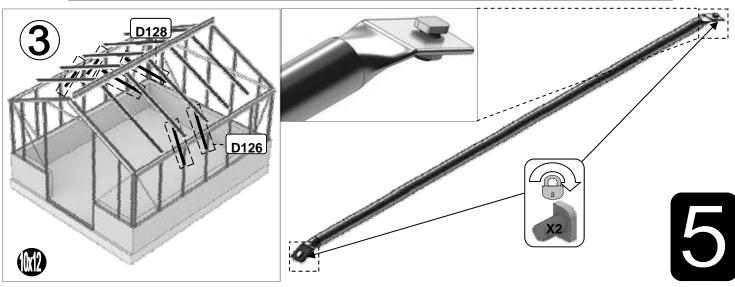
	12
mm	Quantity
2517	1
1744	6
445	2
1015	1
1000	21
	2517 1744 445 1015

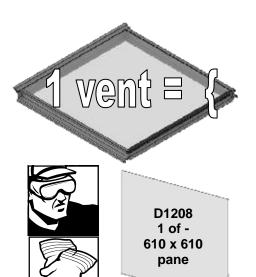
10'		16
Part No	mm	Quantity
D002	3137	1
D065	1744	8
D126	445	4
D128	1015	2
RUBBER	1000	28

12'		20
Part No	mm	Quantity
D003	3757	1
D065	1744	10
D126	445	6
D128	1015	2
RUBBER	1000	35



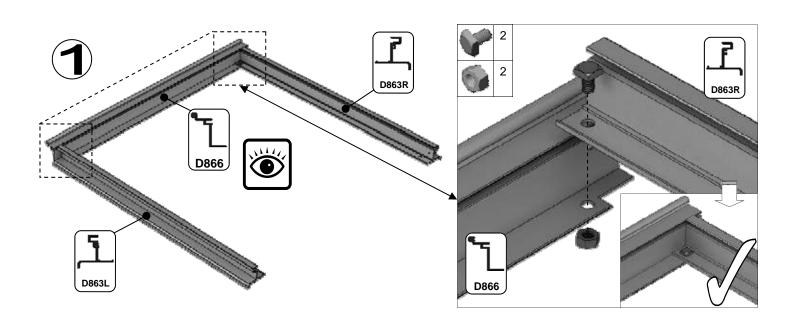


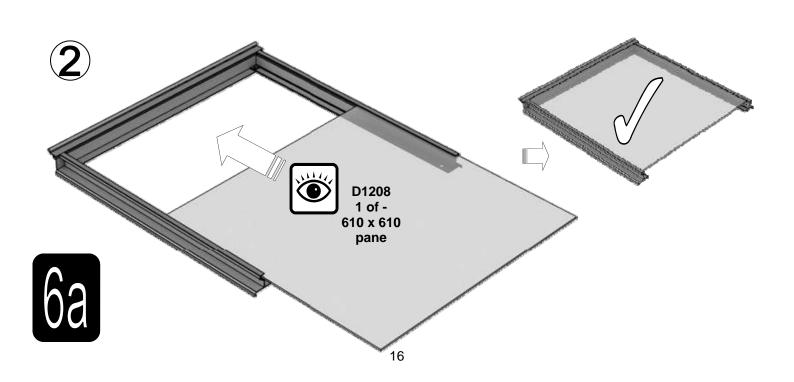


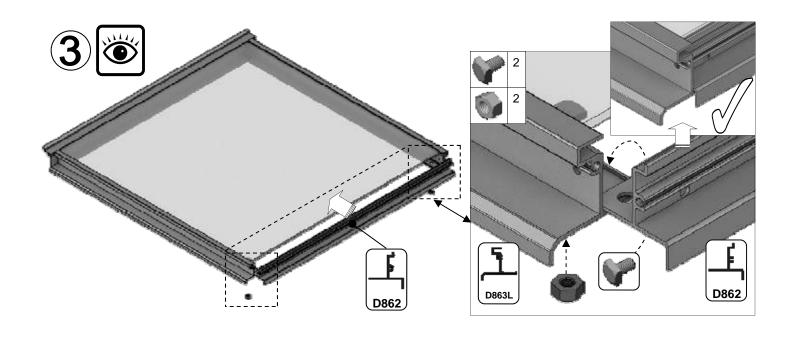


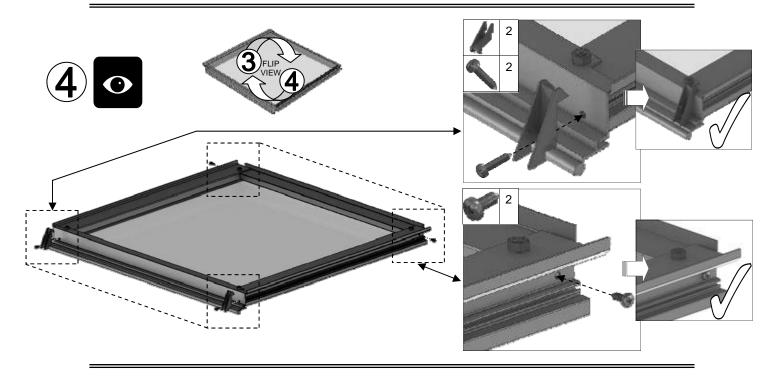
Part No		mm	Quantity
D866	ኚ	639	1
D863L	بِّ	613	1
D863R	【	613	1
D862	丰	593	1

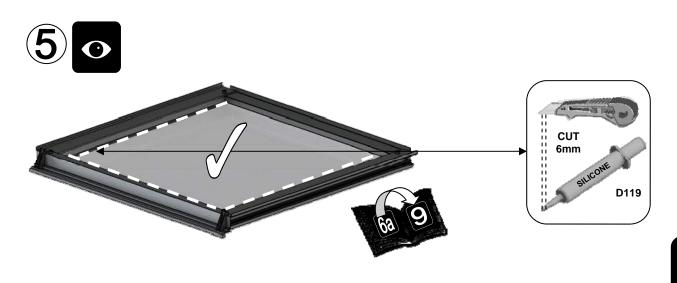
Part No		mm	Quantity
D220 PLUS SCREW		N/A	2
D205	-	N/A	2
SY- BOLM6X11	6	10	4
SYNUTM6	6	M6	4
8 X 12 S/T FS6017		10	2
8 x 19 S/T FS6018		19	2









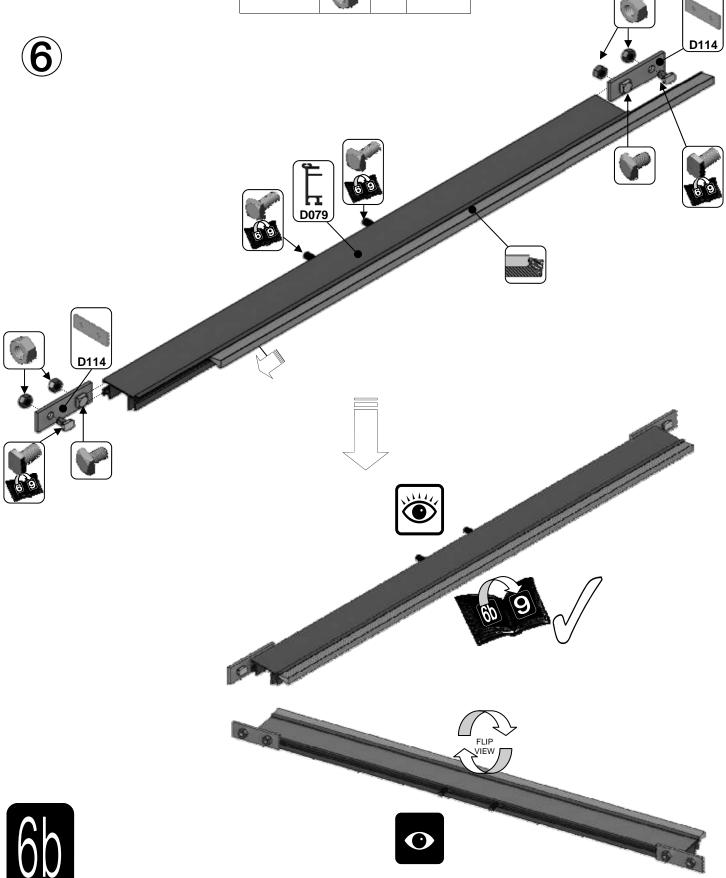


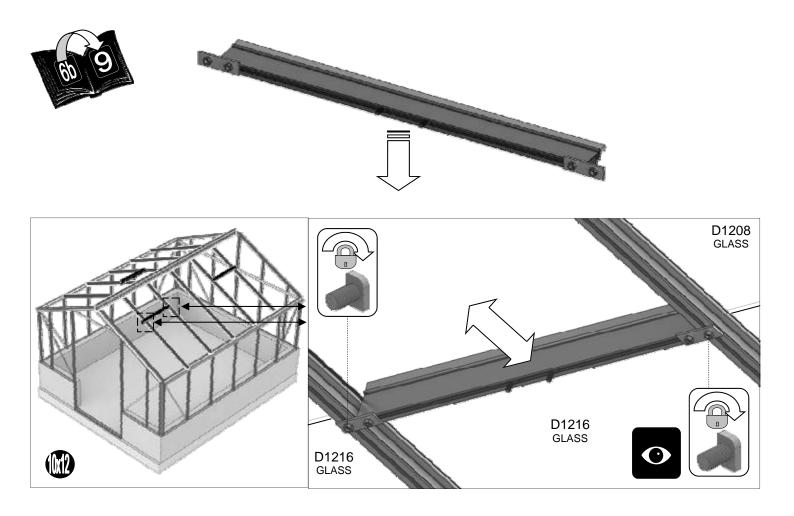


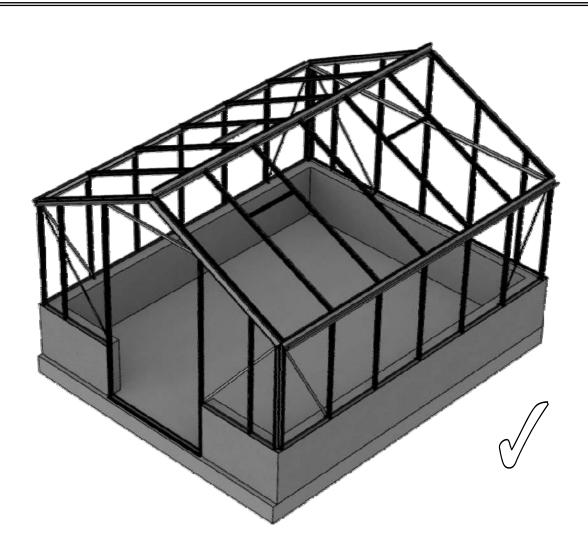


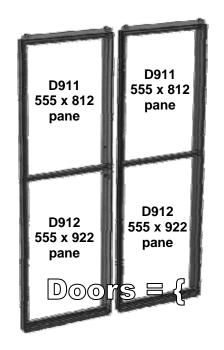
Part No		mm	Quantity
SY- BOLM6X11	8	10	2
SY- BOLM6X15	<b>F</b>	15	2
SYBOLM6 X11CROP	6	10	2
SYNUTM6		N/A	4

Part No		mm	Quantity
D079 PLUS FLUFF	ПŢ	590	1
D114	4 4	N/A	2



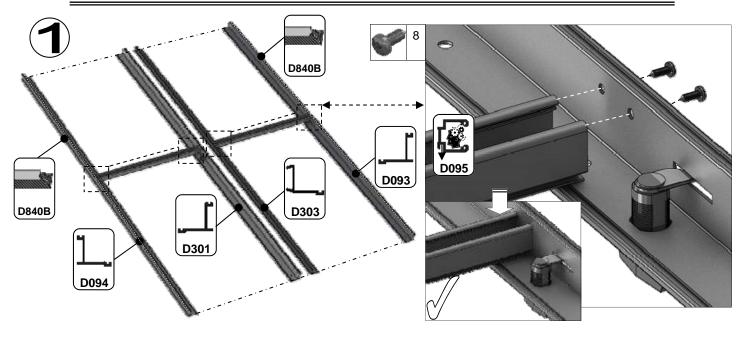


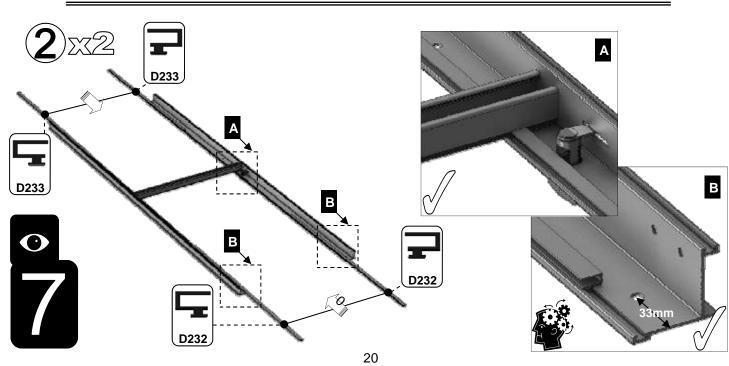


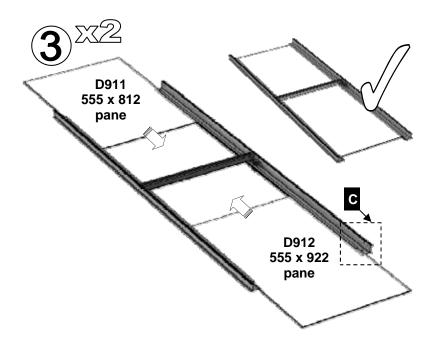


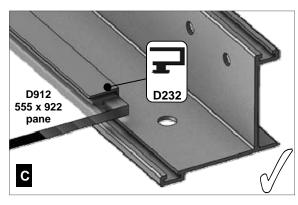
Part No		mm	Q
D094	L	1824	1
D090 + D347 lock = D301	J	1824	1
D092 + D156 strike = D303		1824	1
D093	لّــ	1824	1
D096 + D217 wheel = D307		611	2
D095		611	2
D097	۲	611	2

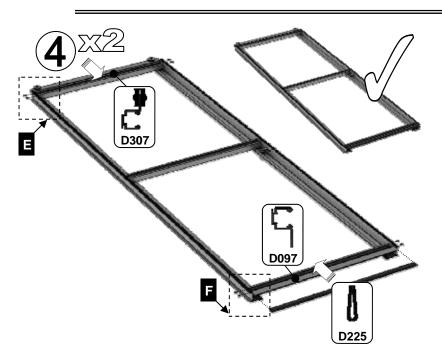
Part No		mm	Q
D232		905	4
D233	1	797	4
P053		N/A	2
D225	8	610	2
D840B		4000	1
D263		N/A	14
PACK x 2		N/A	14
D261 PACK		N/A	24

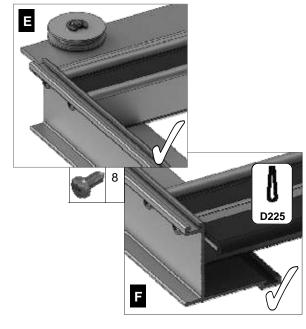


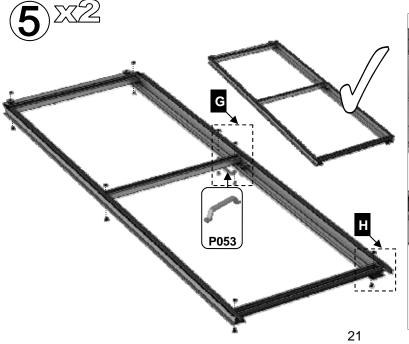


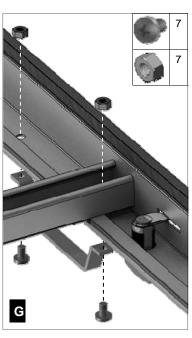




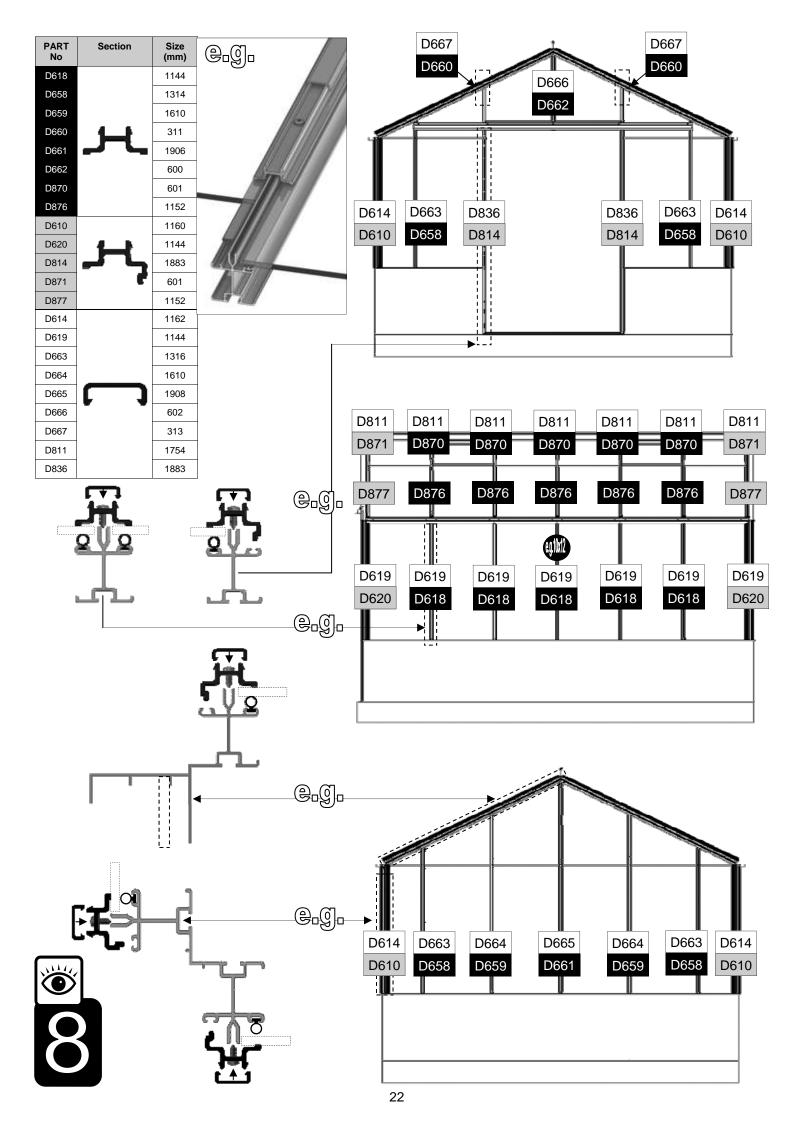


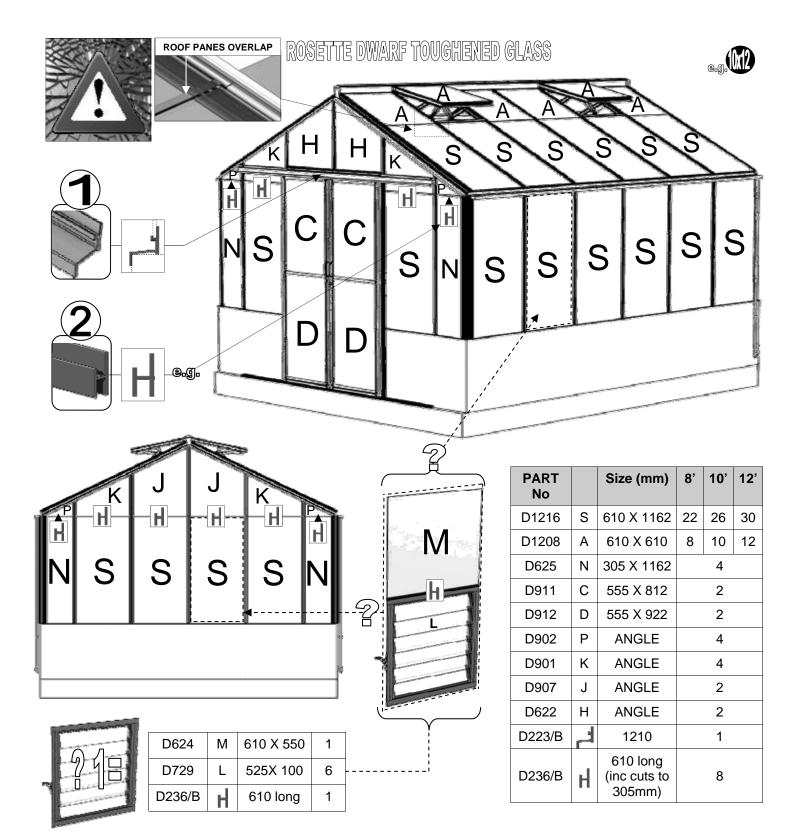


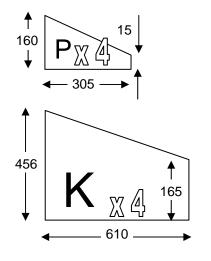


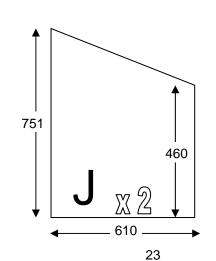


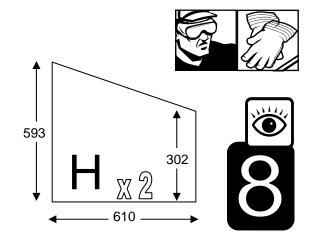


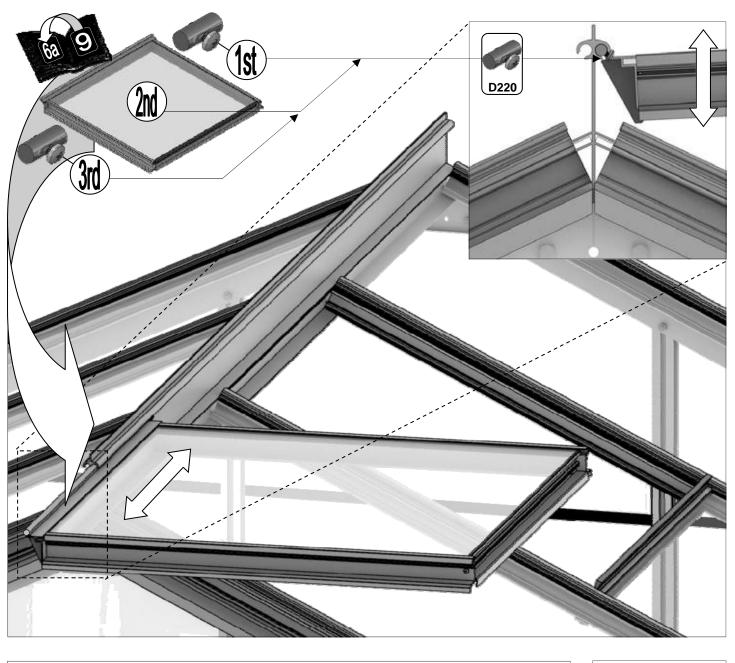


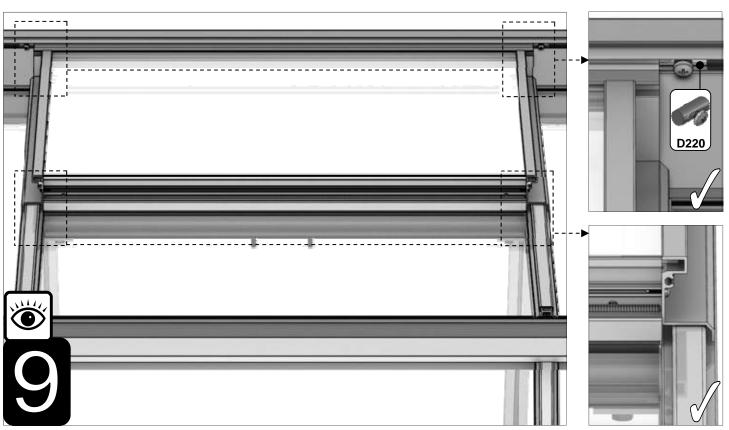


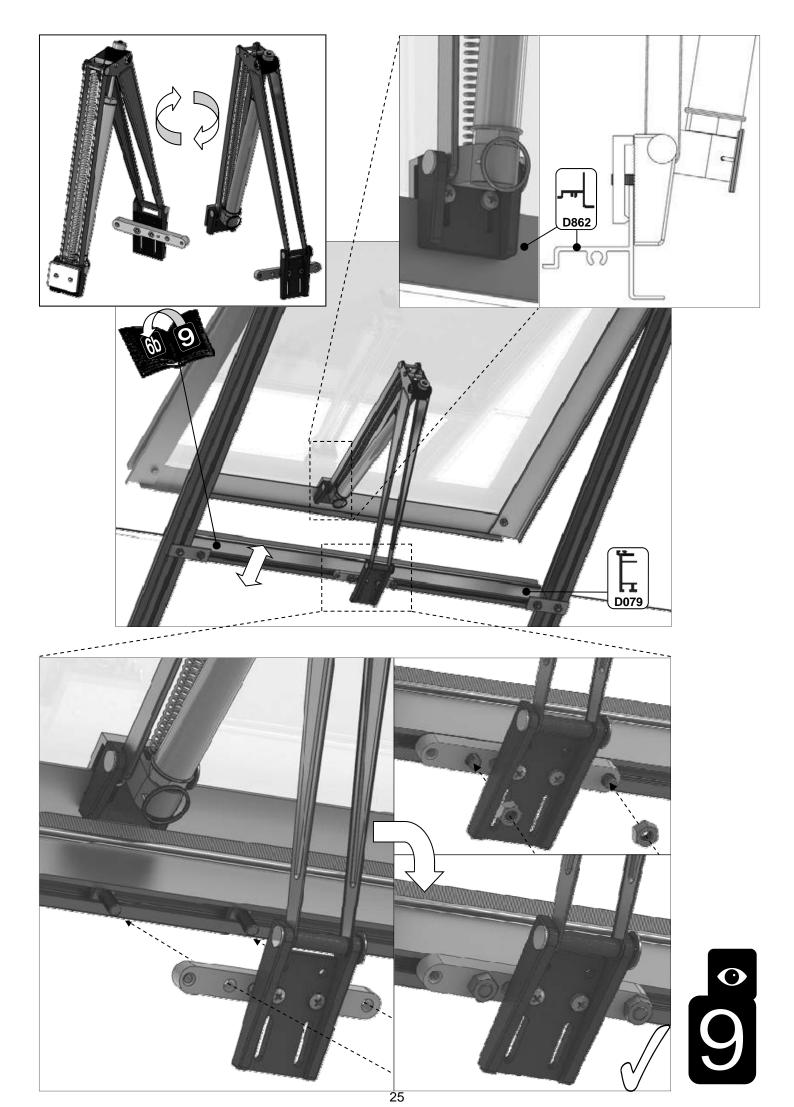






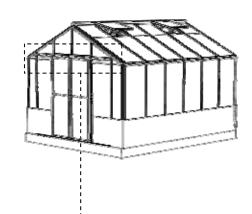


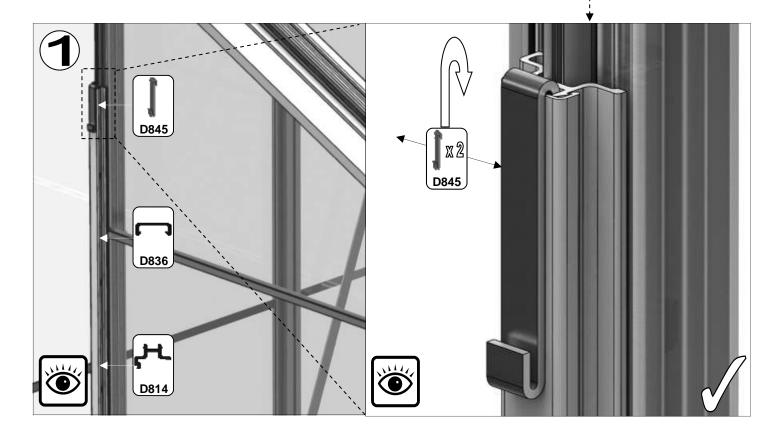


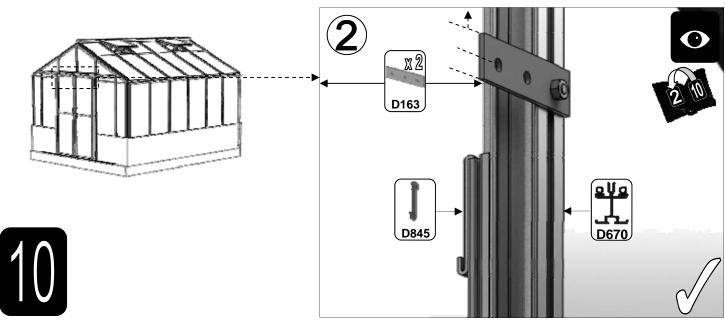


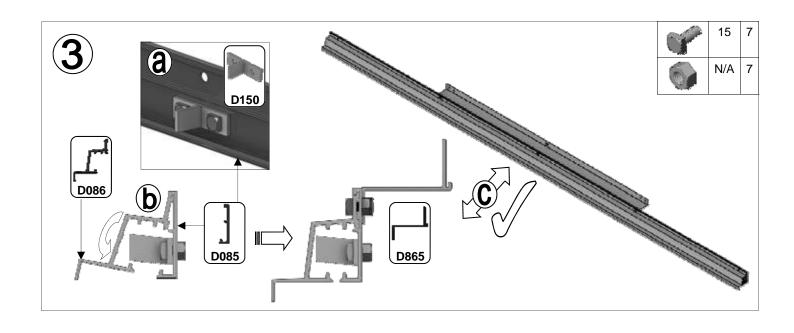
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D865		1210	1
D086	۲۲	2510	1
D085	]	2510	1

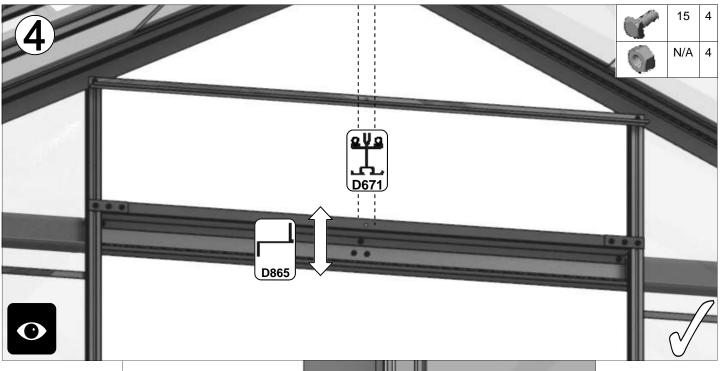
Part No		mm	Q
D163	* * *	90	2
D150	0		1
D845			2
SY- BOLM6X15	150		11
SYNUTM6	6		11

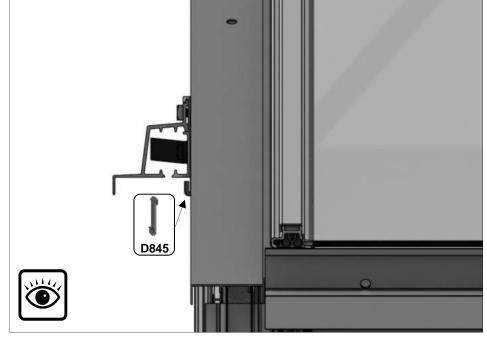


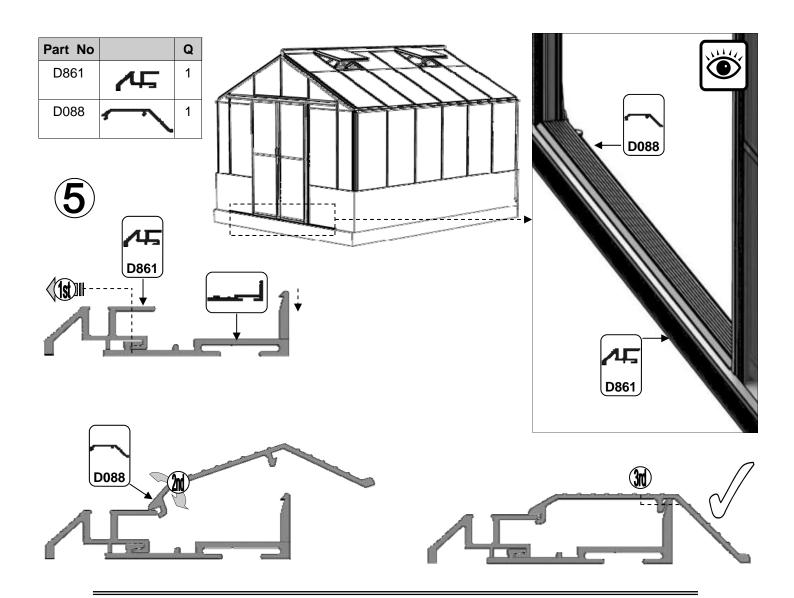


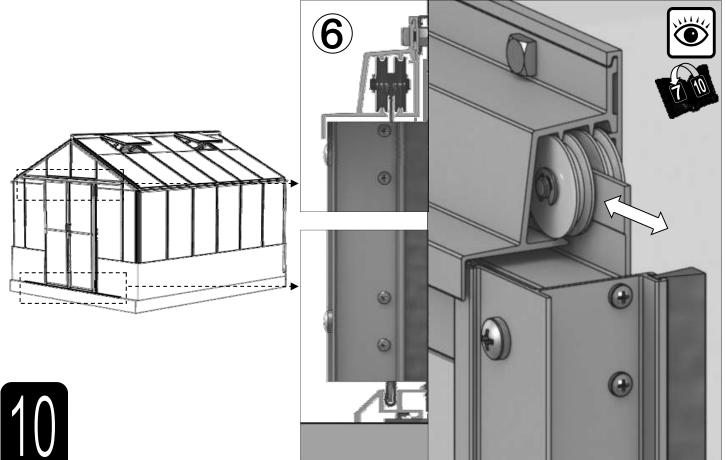


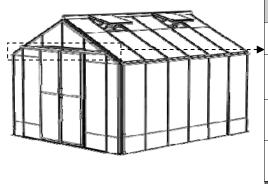


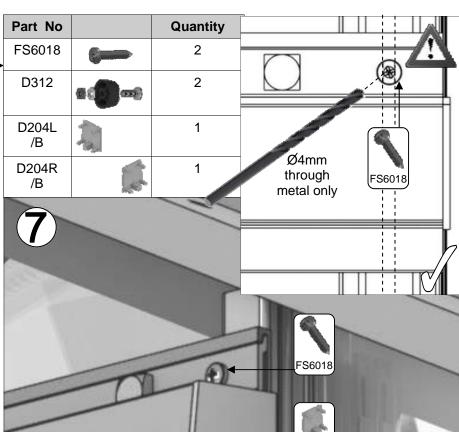




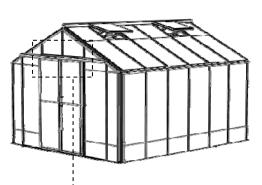


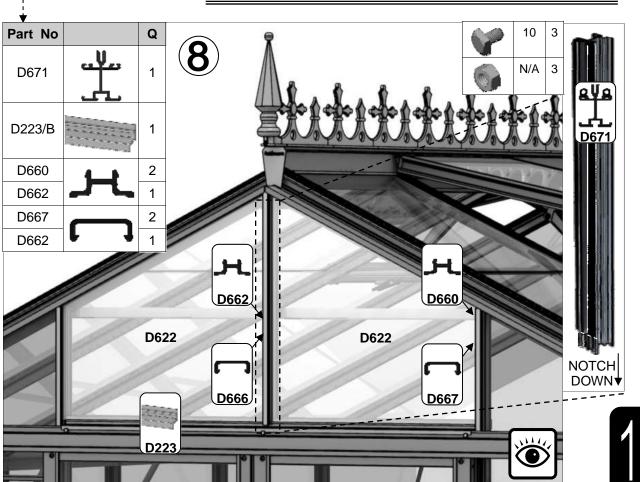




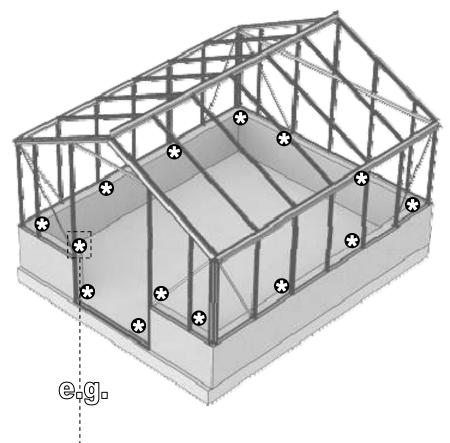


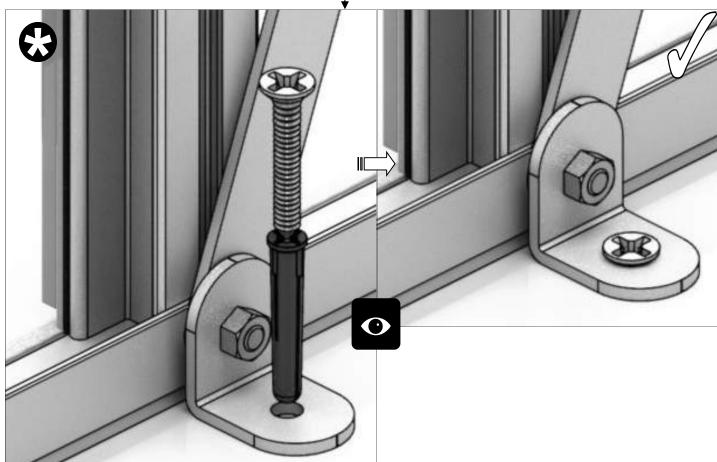
D204R





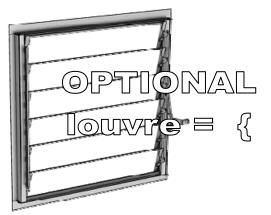






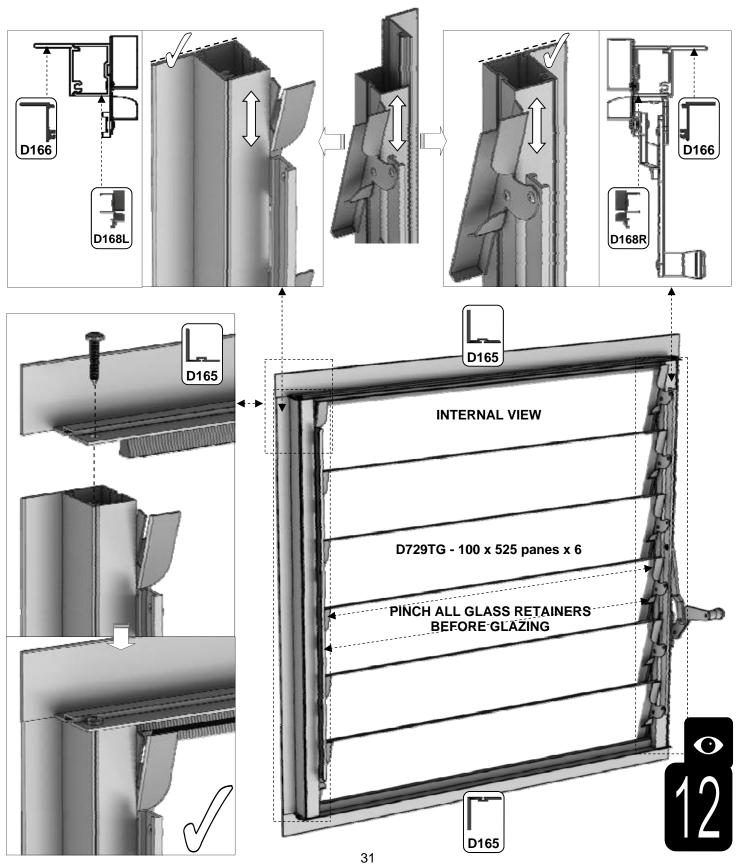


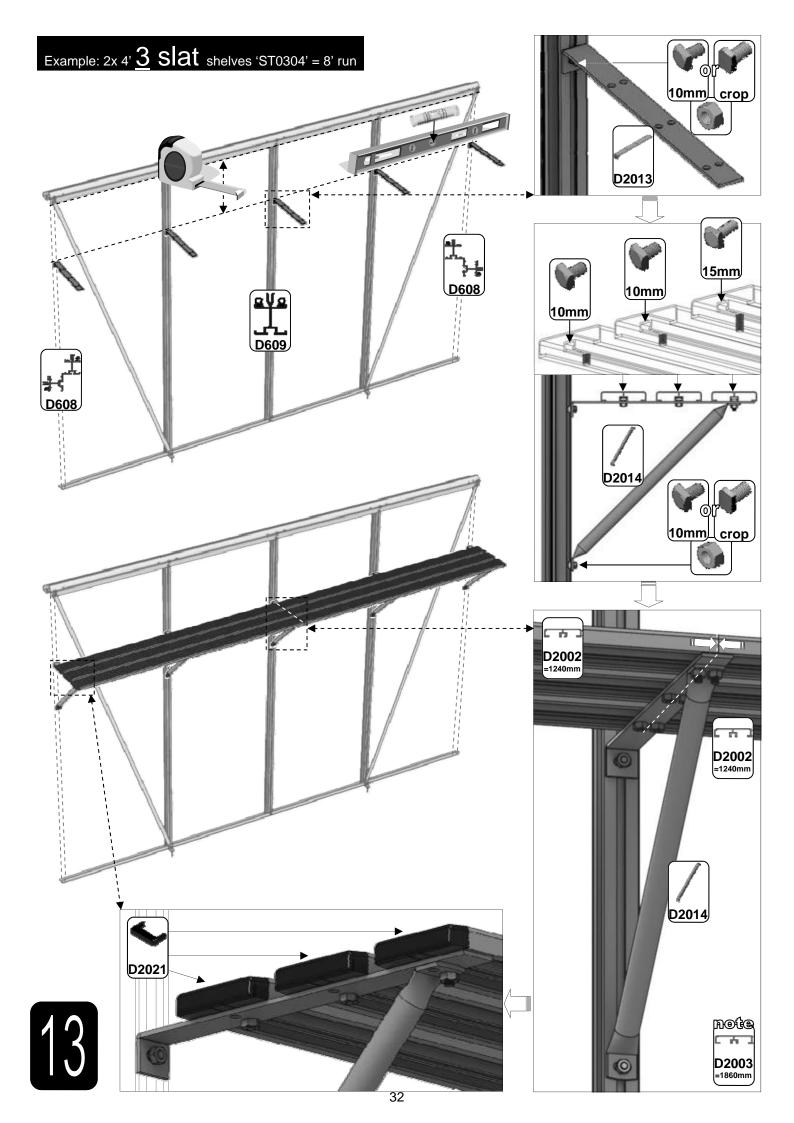


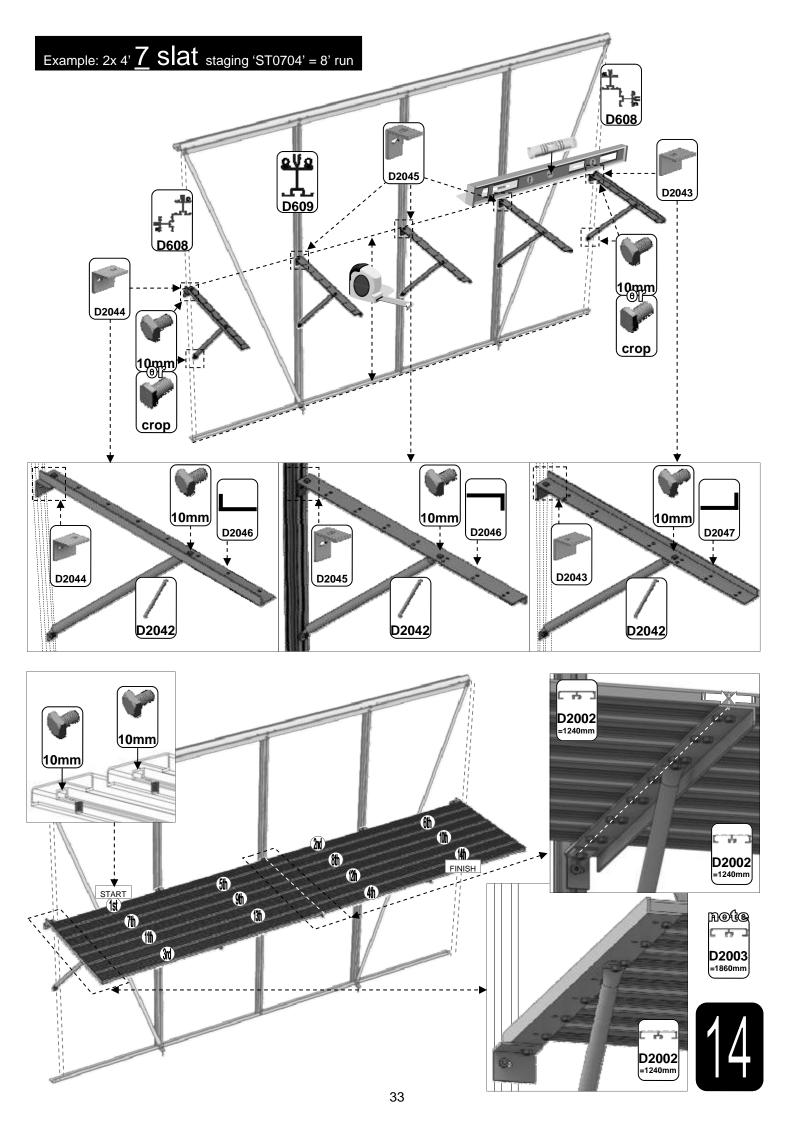


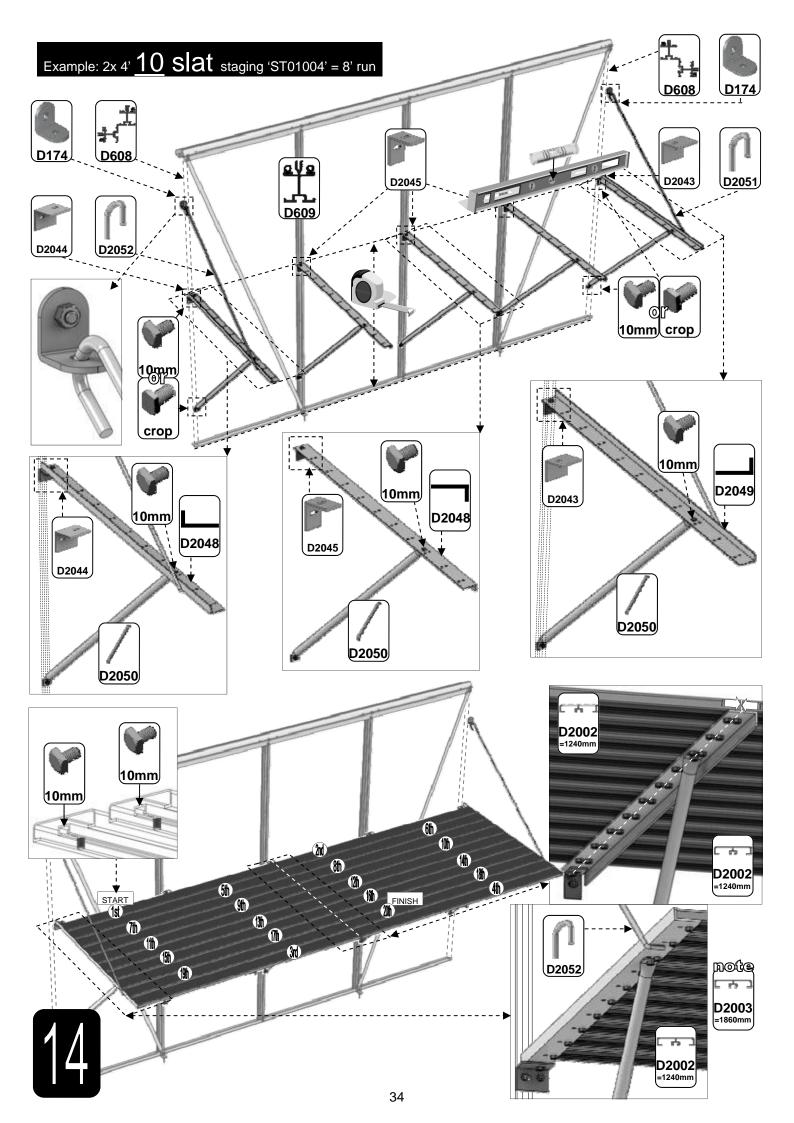
Part No		mm	Quantity
D168L		552	1
D168R (handle)	下丰	552	1
D165	<u></u>	612	2
D166	٦	552	2
FS6013	6	12	4

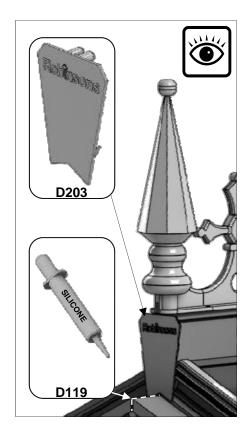




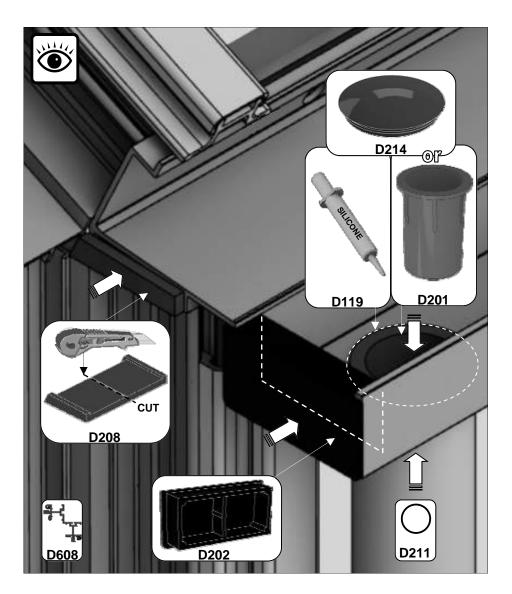


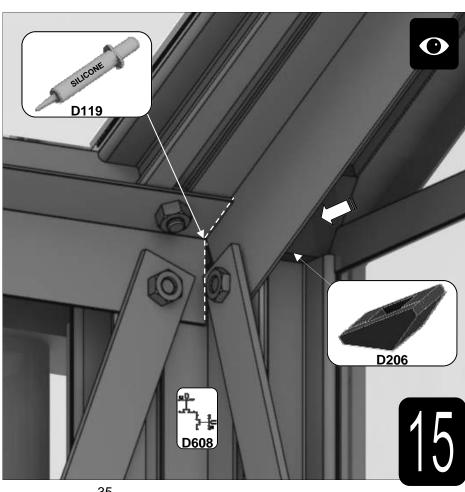


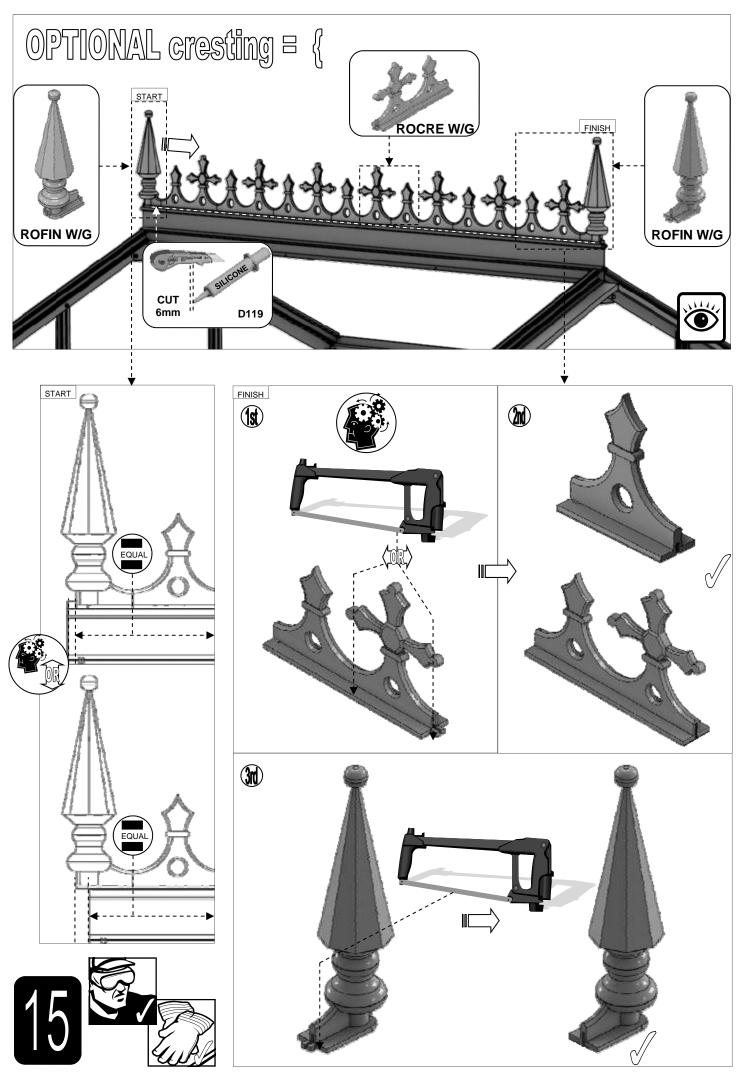




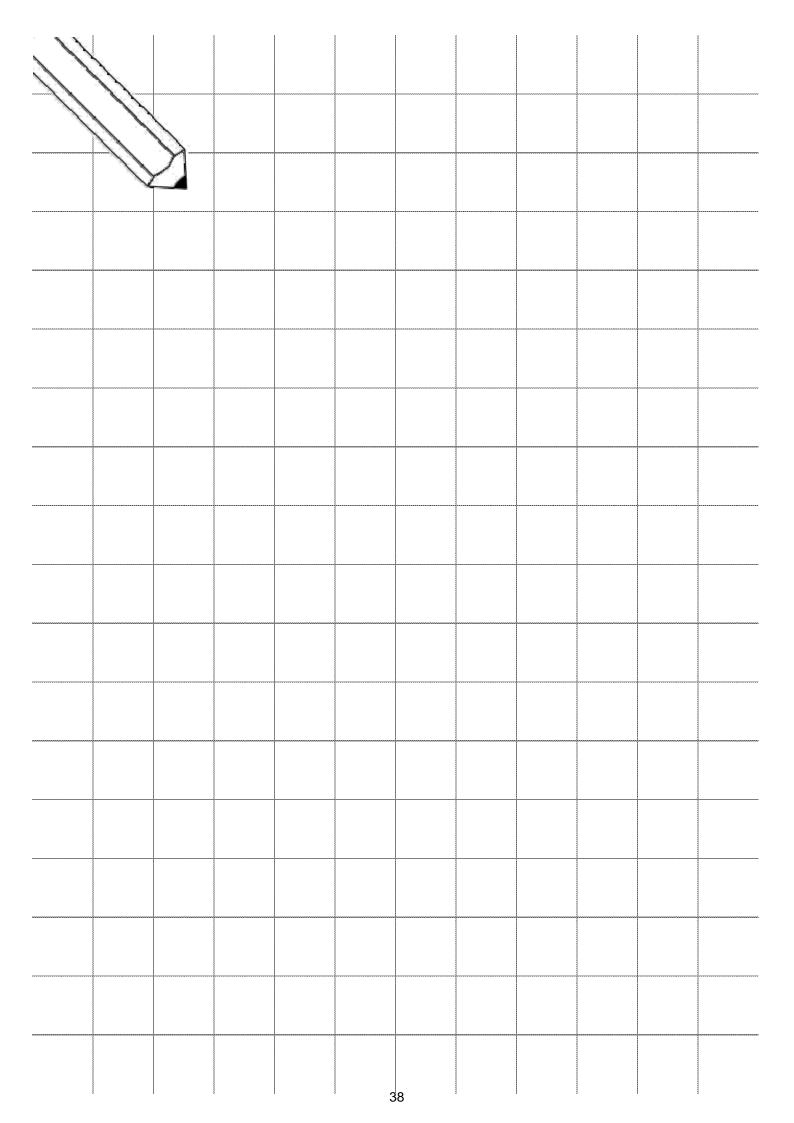














Please be aware that this is a new multi-national manual. If you spot any errors or have any constructive comments regarding the manual please email james@thegreenhousepeople.co.uk and I will make the necessary amendments. In addition any photographs of completed buildings would be most appreciated to add to our portfolio.

## Here's how you can earn £30 and have your new greenhouse feature in our next brochure....

We are always interested to hear how you went on assembling your greenhouse, and we are particularly interested to see photos of the finished article.

We like to see where you've put it, how you're using it and how it looks in your garden. Often we glean ideas from this which we can pass on to other gardeners as useful tips.

It is always nice if we can include 'real' greenhouse photos in the brochure, so if you send us a photo of your greenhouse to us and it is good enough to get into our next brochure, we will send you a £30 reward.

Please send your photos to: Photo competition Robinsons Greenhouses Blythe Park Cresswell Stoke-on-Trent Staffs ST11 9RD

Or better still, email us on james.durose@greenhousepeople.co.uk

Please write on the reverse of photos your name and address and if you would like them back, please write 'please return' on them too.

We wish you all the best with your new greenhouse, and we look forward to seeing your photos in the near future!

THIS GREENHOUSE BOX WAS PACKED BY:	DATE:



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