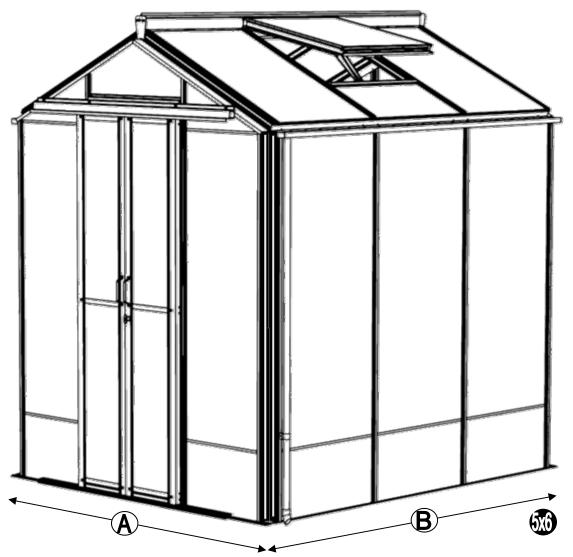


# Regatta Assembly instructions



NOMINAL SIZE	A (mm)	B (mm)
5 x 2		772
5 x 4		1392
5 x 6	4000	2012
5 x 8	1662	2632
5 x 10		3252
5 x 12		3872

Issue 4



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, 15 finishing touches. 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. The components can be identified by their distinctive profiles, lengths and quantities detailed in the parts list (see next page).
- 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 framework. This does not include glazing, moving parts, accidental damage or wind damage.

	KEY SYMBOL	KEY DESCRIPTION
1		EXTERNAL VIEW
		INTERNAL VIEW

# L

INTERNAL VIEW

THINK



THIS SECTION RELATES TO ANOTHER (e.g. 1 to 5)



CORRECT



DO <u>NOT</u> FIX DOWN!



TWIST TO LOCK



TIGHTEN



**PUSH AND HOLD** 



**CUT TO LENGTH** 

# **UPDATE:** Robinsons plastic / aluminium cover strips -

On a Robinsons building the glazing capping is in two parts. The lower plastic capping screws into the glazing bars pressing the glass down onto its rubber beading. The upper plastic / aluminium covers then need to be applied to cover the heads of the self-tapping screws. If you are struggling to press on the cover strips then we recommend the use of a rubber mallet or perhaps a wooden block and hammer, a short sharp tap onto the cover at one end is all that is needed to stretch the cover around the lower capping protrusions locking it into place. You can then either continue to use the mallet along the length of the cover or continue just using the palm of your hand. Once in the building and the edges are protected Robinsons 4mm thick toughened safety glass is very strong and can cope with the vibrations caused by hitting the covers though we would not recommend that you hit the glass directly. Some of the aluminium cover caps have a hole in them at one end which is sometimes used to hang the parts for powder coating. You can if you wish use the hole to stop the covers from sliding in the roof using a glazing screw, note you will have to use a countersunk screw under the vents to avoid interference with the vent bottom.







SECTION NO	TITLE	ASSEMBLY SYNOPSIS: IMPORTANT INFORMATION / CONSIDERATIONS
	PARTS LIST	Identify and separate all like for like components prior to assembly. The 'parts list' also separates parts into the various sections 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 'D066' with the rubber inserted and the diagonal braces 'D103', use 10mm bolts to join them to the gutter and 15mm bolts to the cills (note how the head of the bolts slide into each glazing bar during construction).
2	FRONT	Again ensuring 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
3	REAR	4, 5 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 the 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).
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	Construct the door using the diagrams and then leave to one side ready for attachment in section (10).
8	GLAZING	Layout the bar capping and covers around the building like a sundial checking that all is present and correct. You can also place the roof capping in the gutters so they are closer to hand. The glass in the sides has to bevel on the black separator strip which is on top of the 305mm high glass base panels. This bevelling action allows the glass to tuck underneath the gutter 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. A top tip is to not attach the door post capping (D766/D767) until you have fitted the door runner and threshold (10) to give you more room to manoeuvre. It is a good idea to glaze two roof sections first to ensure the building is square followed by two side sections to ensure the building isn't leaning,
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	Use the bolts inserted in section (2) to attach the upper door track. The lower door runner 'D860' and ramp threshold 'D087' 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	OPTIONAL SHELVING	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 'D066' 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 brack-
14	OPTIONAL STAGING	ets 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'. These slats can combine to create any length of staging required, i.e. 4'+6' = 10' etc
15	FINISHING TOUCHES	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)	5 2	5 4	5 6	5 8	5 10	5 12
	D1046		654	2					
	D071		1274		2				
	D043		1894			2			
	D021		2514				2		
	D022		3134					2	
	D023		3754						2
	D1045		657	2					
	D070		1277		2				
	D042	7_	1897			2			
	D014	1 1	2517				2		
	D015		3137					2	
	D016		3757						2
Ш	D103		1787	2	2		4	4	
	D066		1676	0	2	4	6	8	10
	RUBBER	Q	1000 (1m)	0	7	14	21	27	34
	D174	8	N/A	0	2	4	4	8	8

	D756		1670	2
	D048	⇒ <u> </u>	1676	4
2	D655		1906	4
<sub>-</sub> -7"-4	D757		1738	4
2 中 3	D111		N/A	2
	D750	لملي	882	2
	D751			2
	RUBBER	Q	1000 (1m)	33
	D174	6	N/A	8

	Section Ref	Part No.	Section	Size (mm)	5 2	5 4	5 6	5 8	5 10	5 12
		D4047		057	4					
		D1047	4	657	1					
)		D072	T	1277		1				
		D044		1897			1			
		D001	本	2517				1		
		D002		3137					1	
		D003		3757						1
	5	D752		882	0	2	4	6	8	10
		RUBBER	Q	1000 (1m)	0	3	6	9	12	15

	D866	<b>^</b> _	639	1	2	3	4
	D863L		613	1	2	3	4
	D863R	<u>_</u>	613	1	2	3	4
7	D862	丰	593	1	2	3	4
	D079 PLUS FLUFF	ļ.	590	1	2	3	4
	D114	00	N/A	2	4	6	8
	D220 PLUS FS6060 SCREW		N/A	2	4	6	8
	D205	-	N/A	2	4	6	8

ANTITIES	10mm	16	22	28	34	40	46	
QC etc	VENTS / DOORS etc S	15mm	26	30	34	36	38	40
MAIN F	VENTS/	m6	42	52	62	70	78	86

Section Ref	Part No.	Section	Size (mm)		5 4	5 6	5 8	5 10	5 12
	D762 + D347 lock = D764	<u></u>	1714				1		
	D763 + D156 strike = <b>D765</b>		1714	1					
	D760	<u></u>	1714	1					
	D761	<u></u>	1714				1		
	D059+ D217 wheel = D060		305	2					
6	D061		305				2		
	D062	5	305				2		
	D233	4	797				8		
	P053	5	N/A				2		
	D225	0	610			1	CUT		
·	D840 B		4000				1		
	D263	3	N/A				14		
	Pack Of 7		N/A				14		
	D260 pack	The same of the sa	N/A				24		

Section <b>Ref</b>	Part No.	Section	Size (mm)	5 2	5 4	5 6	5 8	5 10	5 12	
	D812	٦-	1660	0	2	4	6	8	10	
	D661		1906	2						
	D758		117	2						
	D754		892	0	2	4	6	8	10	
			1		•					
	D813	J-4	1675	4						
	D766		1773	2						
8	D834		1660	4						
	D753		892	4						
	D755	PLASTIC	892	4	6	8	10	12	14	
	D825		1660	4	6	8	10	12	14	
	D826		1677				4			
	D665	OR	1908				2			
	D767		1773	2						
	D759	ALUM	119	2						
		1	1	1						

	D864		590	1						
	D860	华	1240	1						
	D087		587	1						
	D082	للر	1270	1						
10	D081	]	1270	1						
	D163	000	90	2						
	D150		N/A	1						
	D222 /B		590	1						
	D204 L&R /B	100	1	1+1						
	D845			2						
	D312	4	mi	2						
	ANY OTHER PARTS IN YOUR DOOR PACK ARE REDUNDANT ON THIS MODEL!									

# THE DIMENSIONS BELOW ARE THE EXACT EXTERNAL BASE DIMENSIONS FOR THE ROBINSONS RANGE.

We cannot emphasis how important it is to have a proper base for your Robinsons Greenhouse to be erected upon.

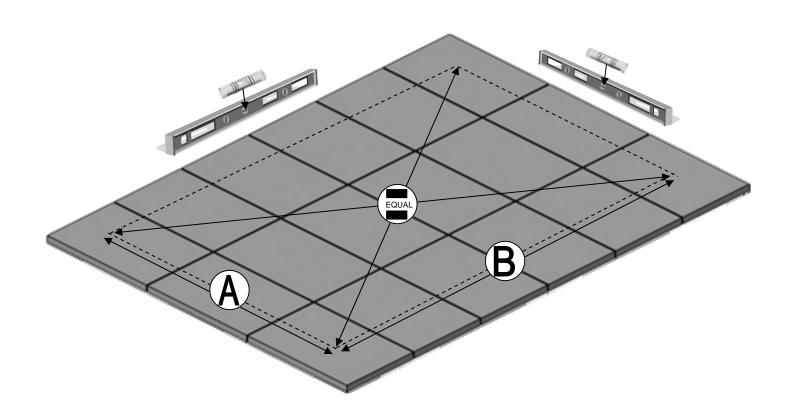
It is essential that the **BASE IS FLAT, LEVEL AND SQUARE AS WELL AS BEING SUBSTANTIAL** enough to take the weight of the greenhouse including its 4mm glass.

Give yourself enough room around your base to allow for fitting the glass and any on-going maintenance / cleaning. A slab base which is larger than the greenhouse is the ideal solution and is our preferred foundation.

A brick perimeter base is equally suitable providing there is a concrete foundation beneath it. We suggest using a solid brick with no frogs or holes (quality stock bricks or semi-engineering bricks).

**IMPORTANT**: Do not anchor your greenhouse down until it is fully assembled including glazing unless you are 100% sure your base is square and level. If not your glass will not fit properly.

**IMPORTANT:** If you have anything overhanging the ridge on a lean-to building then please make sure it does not interfere with the motion of the roof vents.

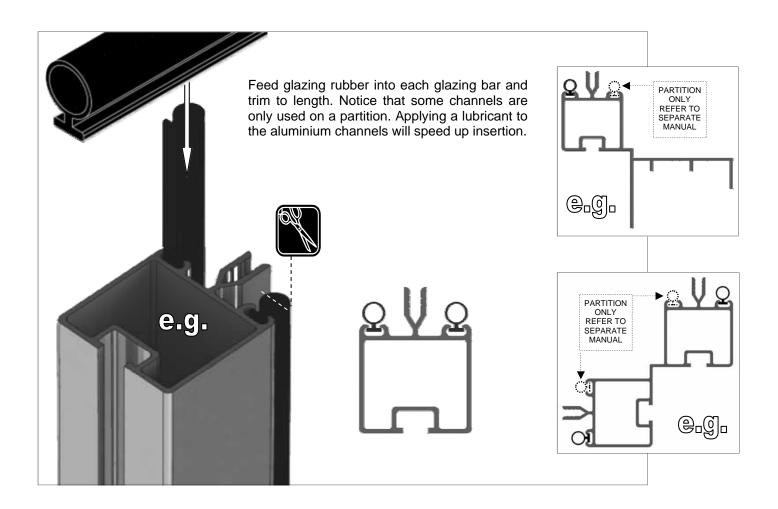


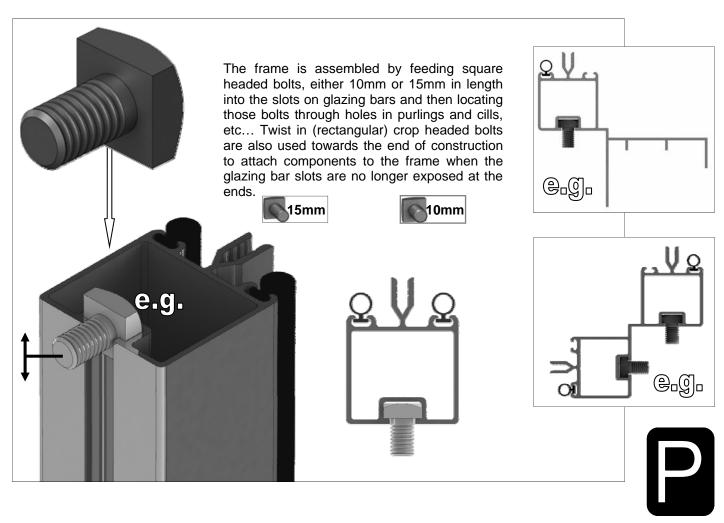
# **EXTERNAL DIMENSIONS (mm)**

Model sizes listed are **nominal**, <u>use 'mm' measurements</u>. i.e.: an 5 x 10 is the model 5'5" x 10' 8"

MODEL		A (mm) WIDTH	B (mm) LENGTH	C (mm) DIAGONAL
	5 x 2		772	1832.5
	5 x 4	1662	1392	2168
D=0.4==.	5 x 6		2012	2610
REGATTA	5 x 8		2632	3113
	5 x 10		3252	3652
	5 x 12		3872	4214



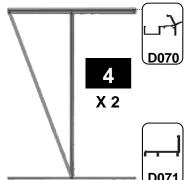




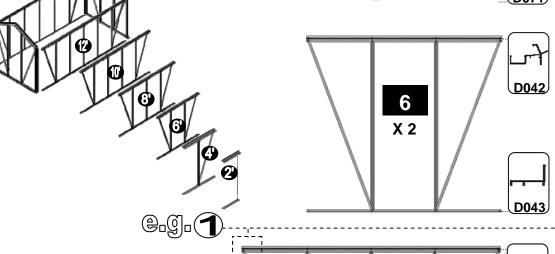


On the 2' long model the sides have no vertical side bar 'D066'. Because of this the sides have little substance and you will find it easier to skip this section '1' until you have built the front

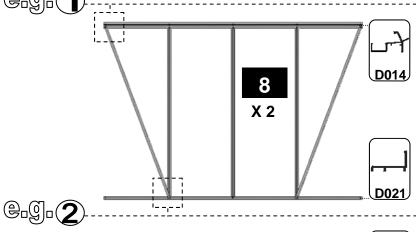
(section 2) and rear (section 3). The sides can then be built in situ during section '4' where the gutters 'D1045' and cills 'D1046' will allow the front and rear to connect.



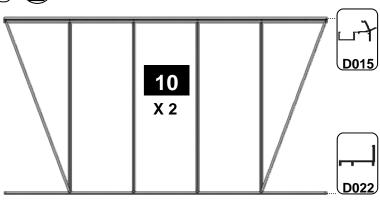
4 X 2		
Part No	mm	Quantity
D070	1277	2
D071	1274	2
D066	1676	2
D103	1787	2
D174	6	2
M6-10mm	60	2
M6-15mm		4
M6-NUT	6	6
Rubber	1000	7



6 X 2				
Part No	mm	Quantity		
D042	1897	2		
D043	1894	2		
D066	1676	4		
D103	1787	4		
D174	6	4		
M6-10mm	60	4		
M6-15mm	1	8		
M6-NUT	0	12		
Rubber	1000	14		

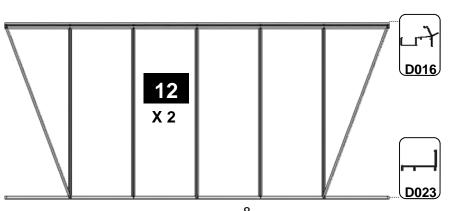


8 X 2				
Part No	mm	Quantity		
D014	2517	2		
D021	2514	2		
D066	1676	6		
D103	1787	4		
D174	6	4		
M6-10mm	8	6		
M6-15mm	4	10		
M6-NUT	0	16		
Rubber	1000	21		
	•	•		

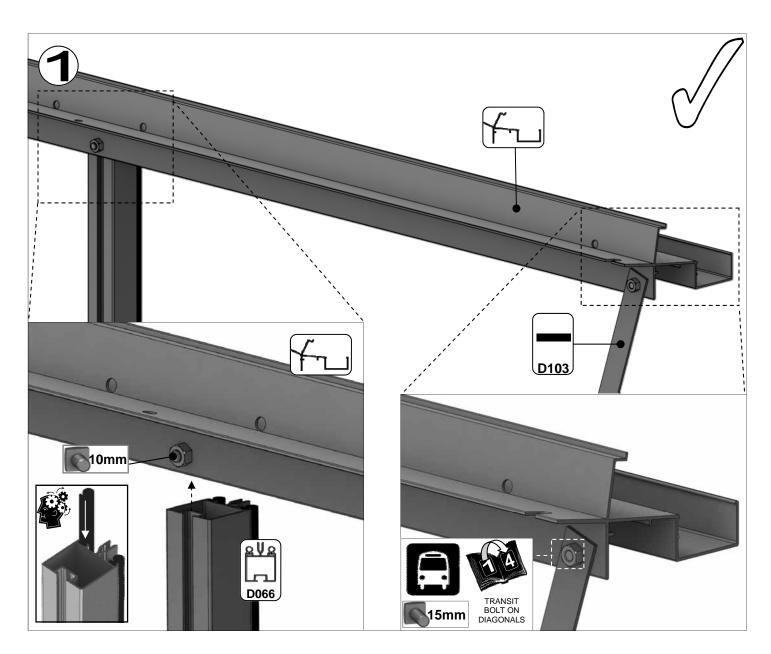


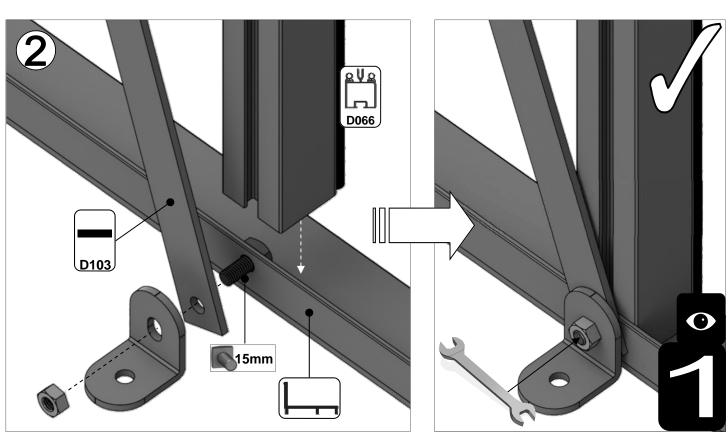
10 X 2		
Part No	mm	Quantity
D015	3137	2
D022	3134	2
D066	1676	8
D103	1787	4
D174	6	8
M6-10mm	1	8
M6-15mm	1	12
M6-NUT	0	20
Rubber	1000	27

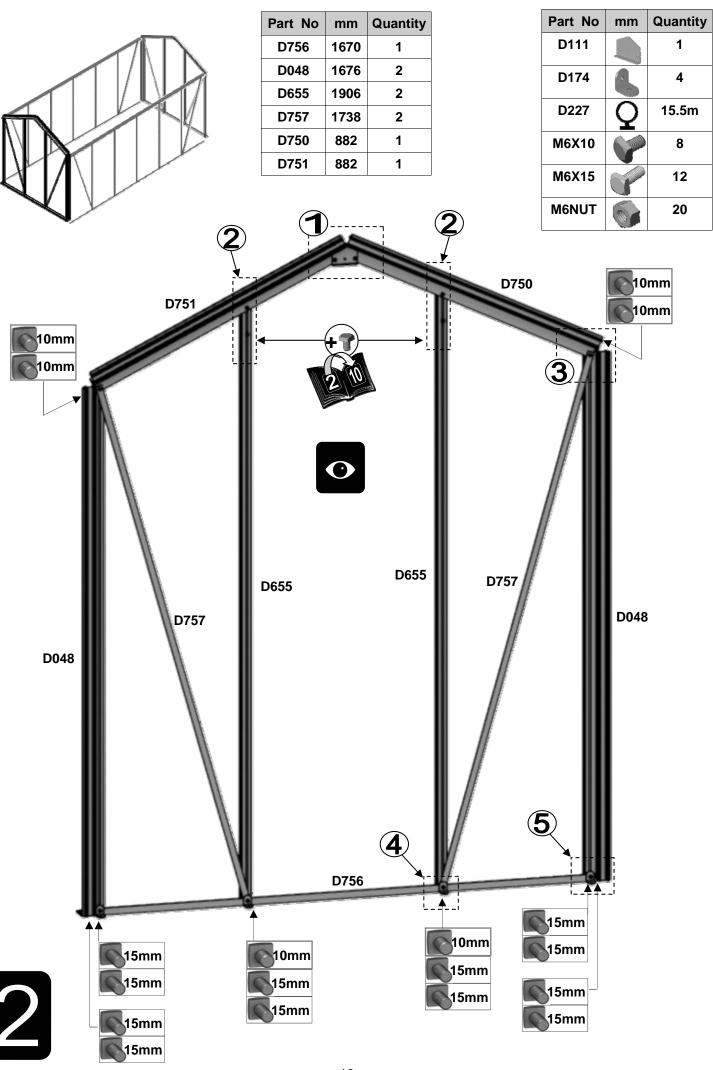


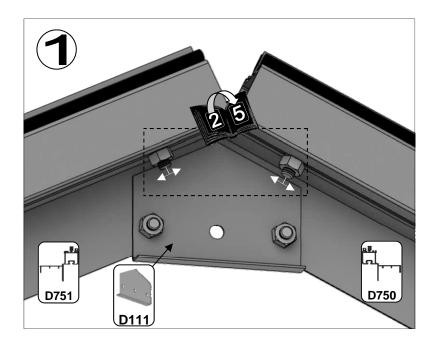


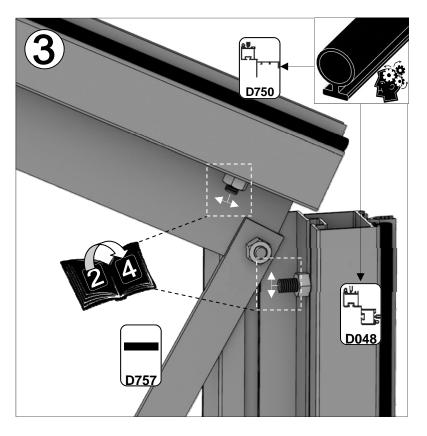
12 X 2			
Part No	mm	Quantity	
D016	3757	2	
D023	3754	2	
D066	1676	10	
D103	1787	4	
D174	6	8	
M6-10mm	6	10	
M6-15mm		14	
M6-NUT	0	24	
Rubber	1000	34	

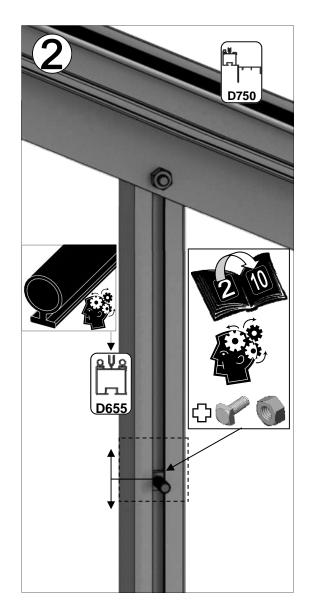


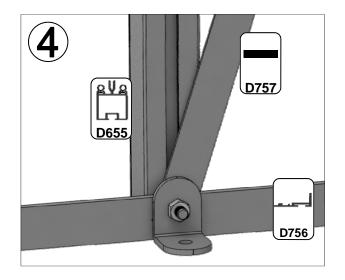


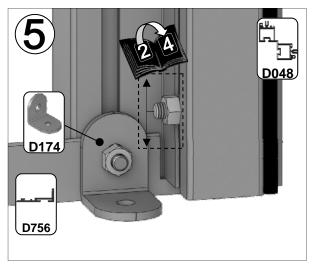




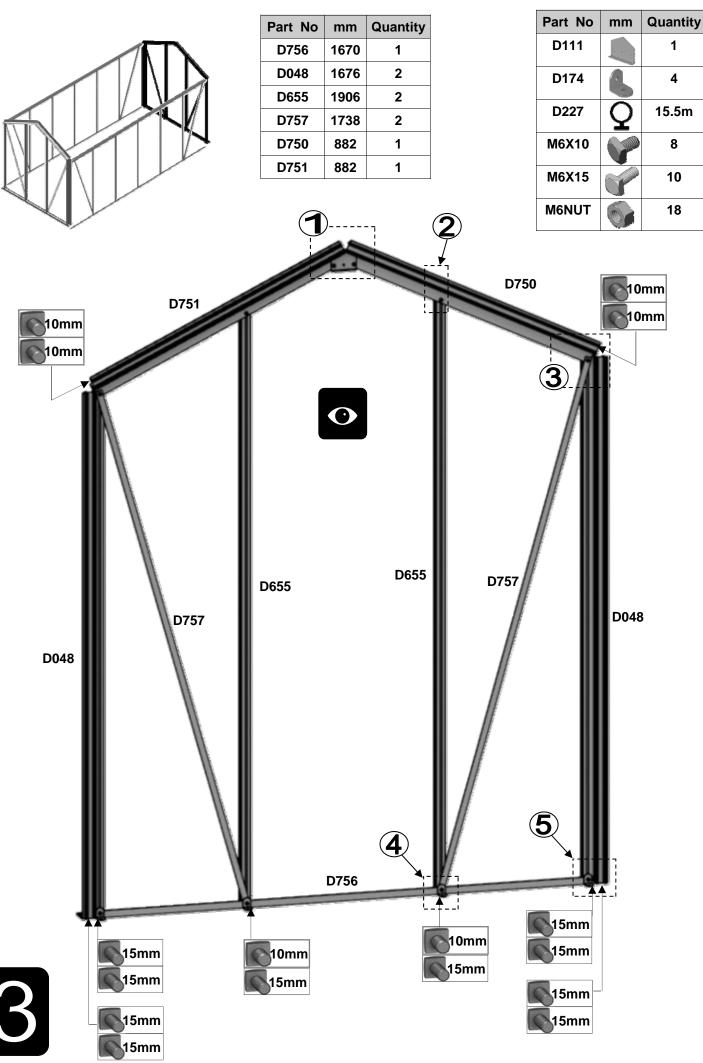


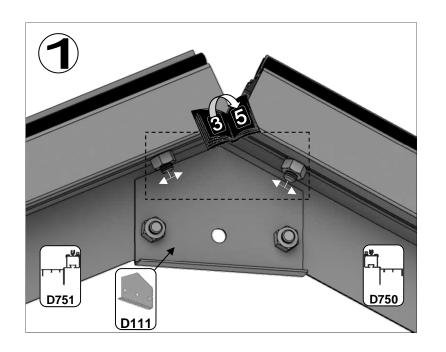




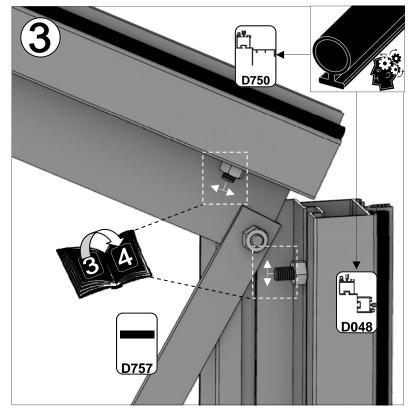


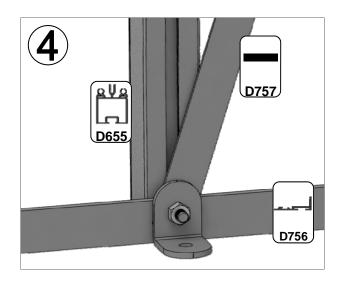


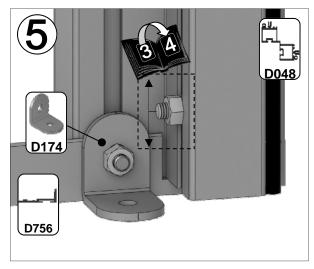




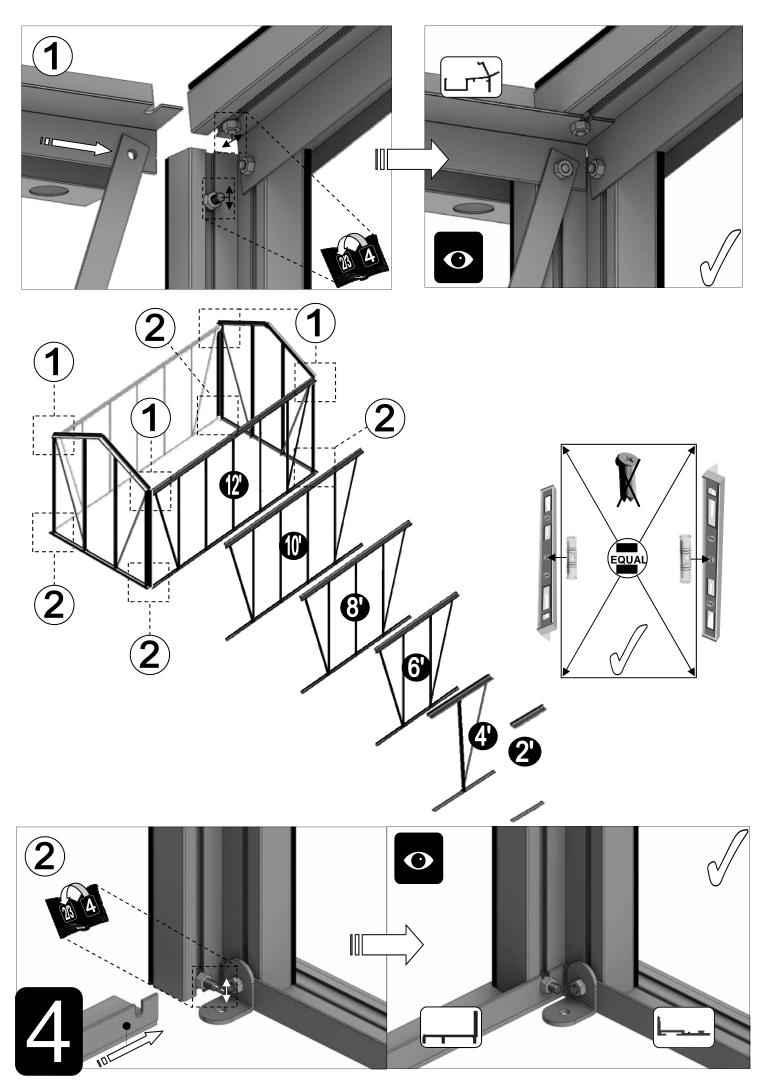












2'		
Part	mm	Quan.
D1047	657	1

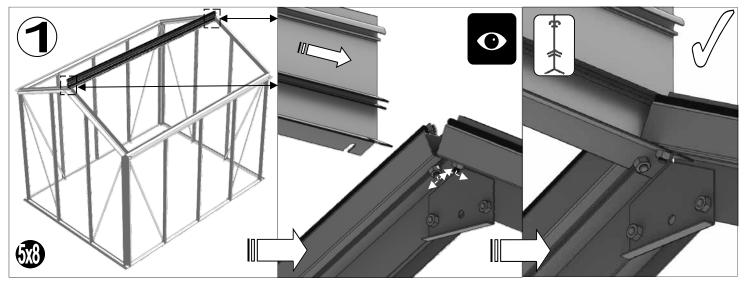
4'	Po	4
Part	mm	Quan.
D072	1277	1
D752	882	2
RUBBER	1000	4

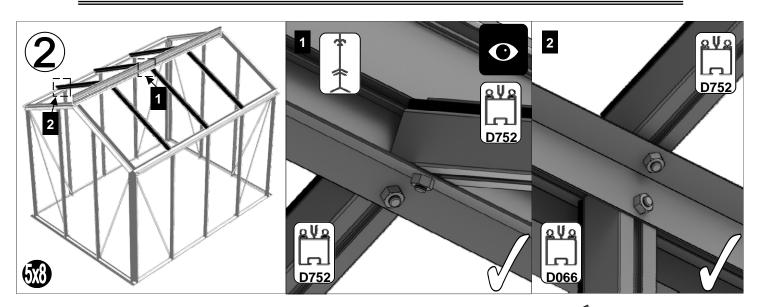
6'	V <sub>0</sub>	8
Part	mm	Quan.
D044	1897	1
D752	882	4
RUBBER	1000	8

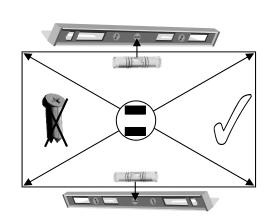
8'		12
Part	mm	Quan.
D001	2517	1
D752	882	6
RUBBER	1000	11

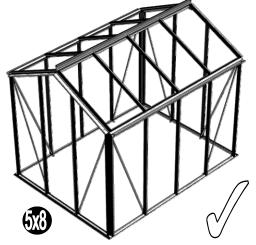
10'	Po	16
Part	mm	Quan.
D002	3137	1
D752	882	8
RUBBER	1000	15

12'		20
Part	mm	Quan.
D003	3757	1
D752	882	10
RUBBER	1000	18

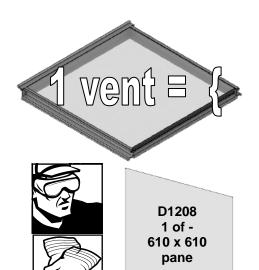






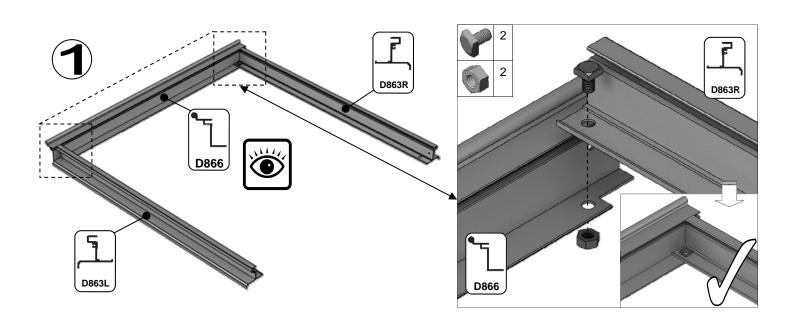


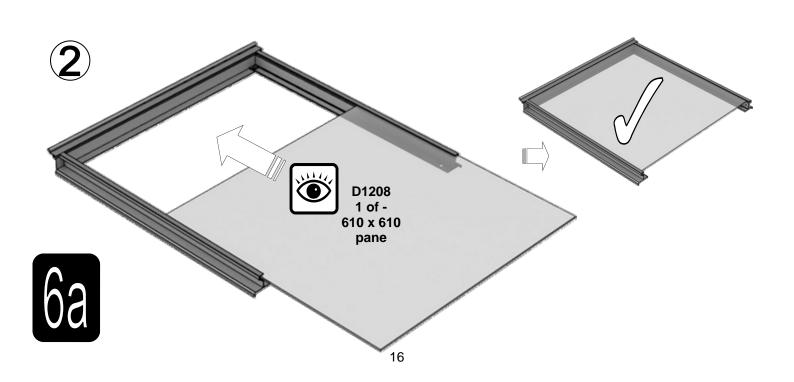


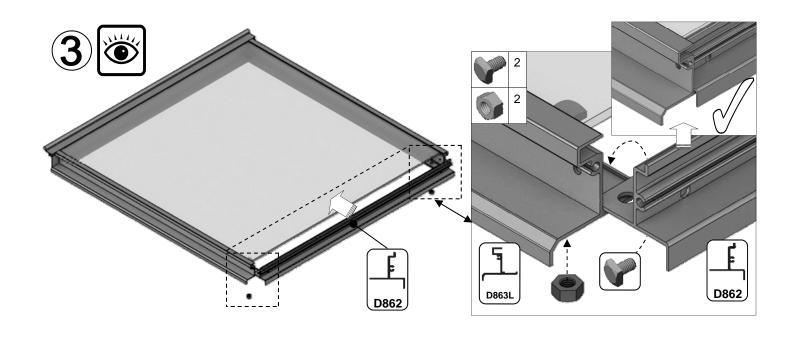


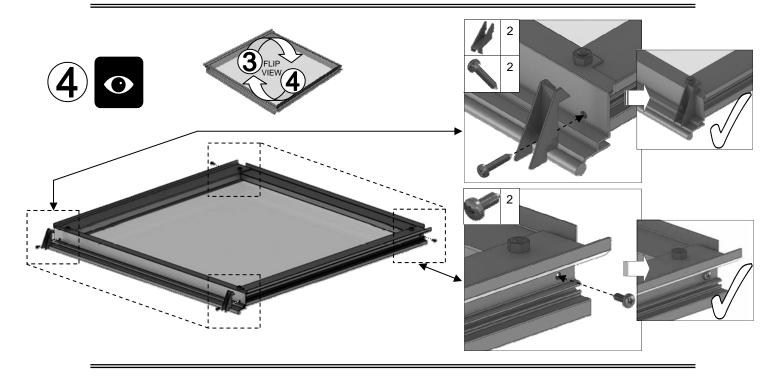
Part No		mm	Quantity
D866	<b>1</b>	639	1
D863L		613	1
D863R	工	613	1
D862	<u></u>	593	1

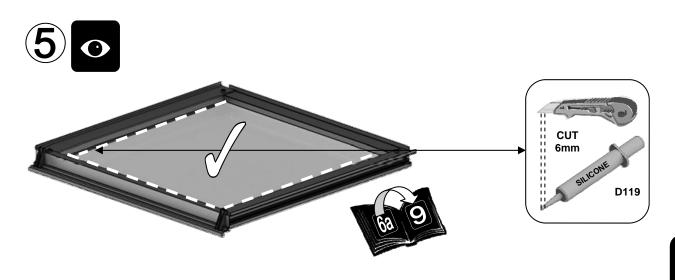
Part No		mm	Quantity
D220 PLUS FS6060 SCREW	6	N/A	2
D205	-	N/A	2
SY- BOLM6X11		10	4
SYNUTM6		M6	4
8 X 12 S/T FS6017	6	10	2
8 x 19 S/T FS6018	1	19	2







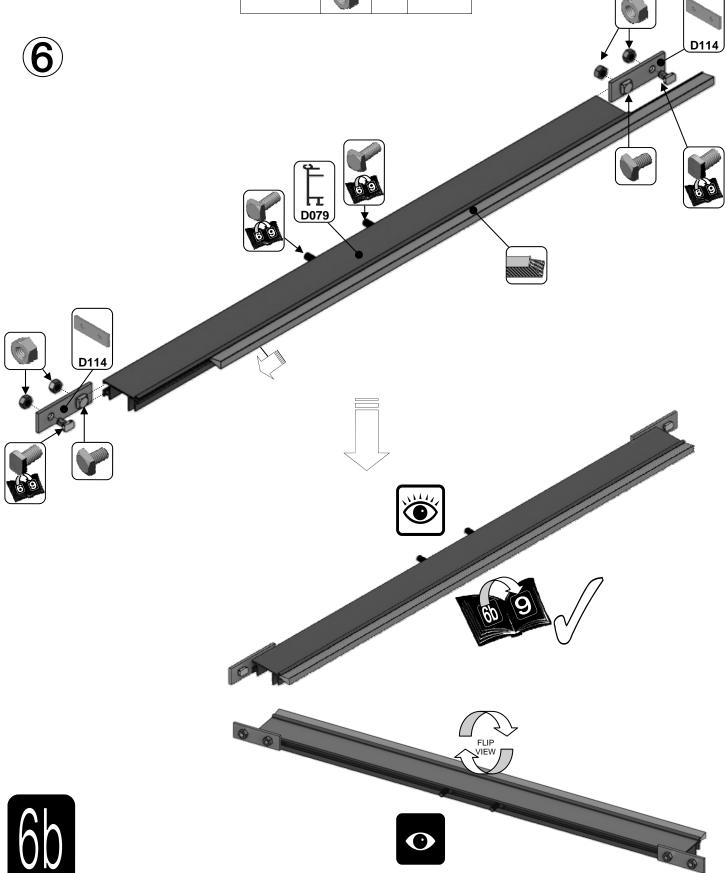


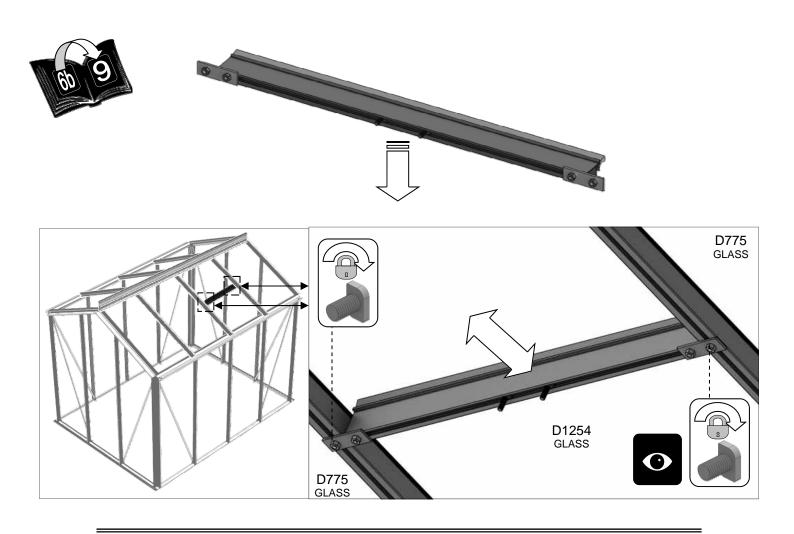


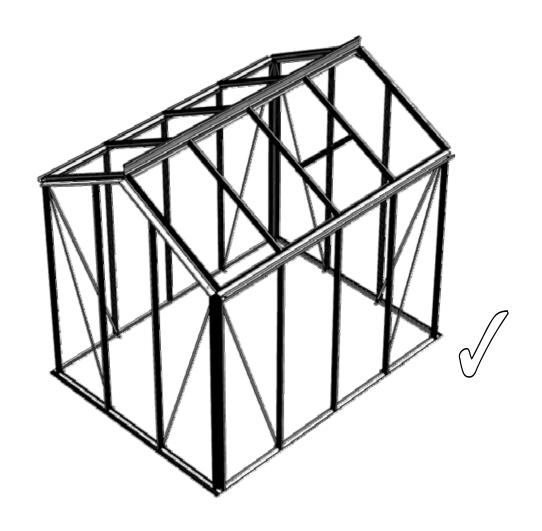


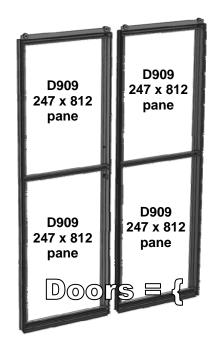
Part No	mm	Quantity
SY- BOLM6X11	10	2
SY- BOLM6X15	15	2
SYBOLM6 X11CROP	10	2
SYNUTM6	N/A	4

Part No		mm	Quantity
D079 PLUS FLUFF	Ţ	590	1
D114	00	N/A	2



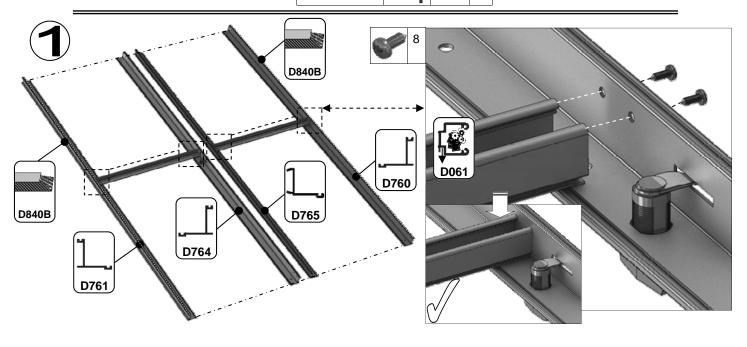


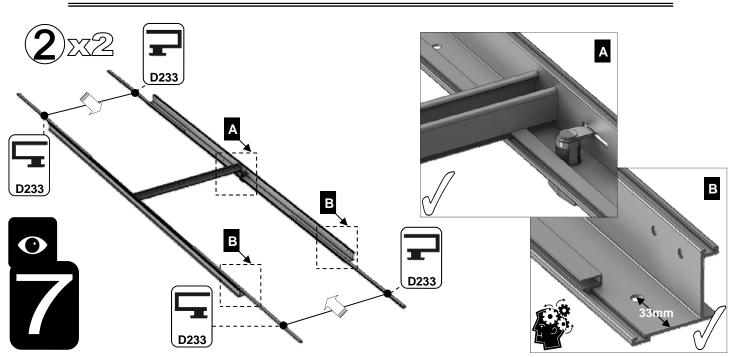


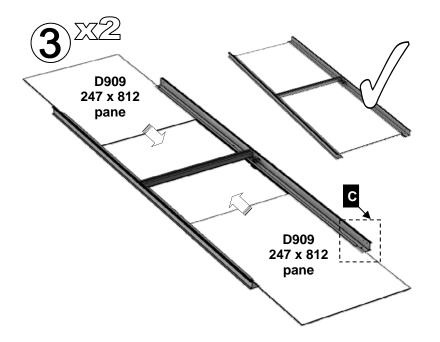


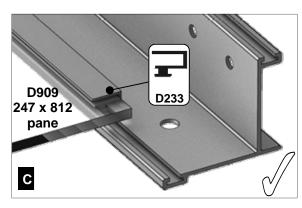
Part No		mm	Q
D762 + D347 lock = D764	7	1714	1
D763 + D156 strike = D765	$\prod$	1714	1
D760		1714	1
D761		1714	1
D059+D217 wheel = D060	[ا	305	2
D061	֓֞֜֞֞֜֜֞֜֜֞֜֜֞֜֜֞֜֜֜֜֞֜֜֜֜֜֜֜֞֜֜֜֜֜֜֜֜	305	2
D062	۲	305	2

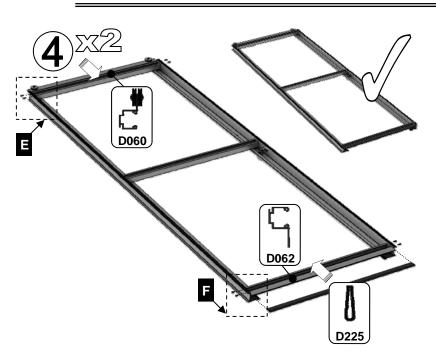
Part No		mm	Q
D233	G	797	8
P053		N/A	2
D225		610 (cut 2 x 305)	1
D840B		4000	1
D263		N/A	14
PACK x 2		N/A	14
D261 PACK	Carried States	N/A	24

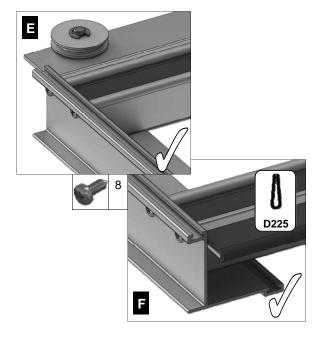


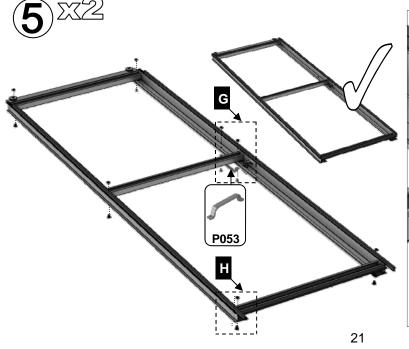


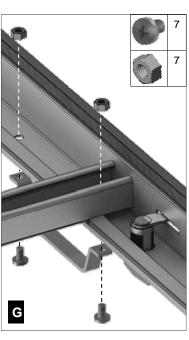






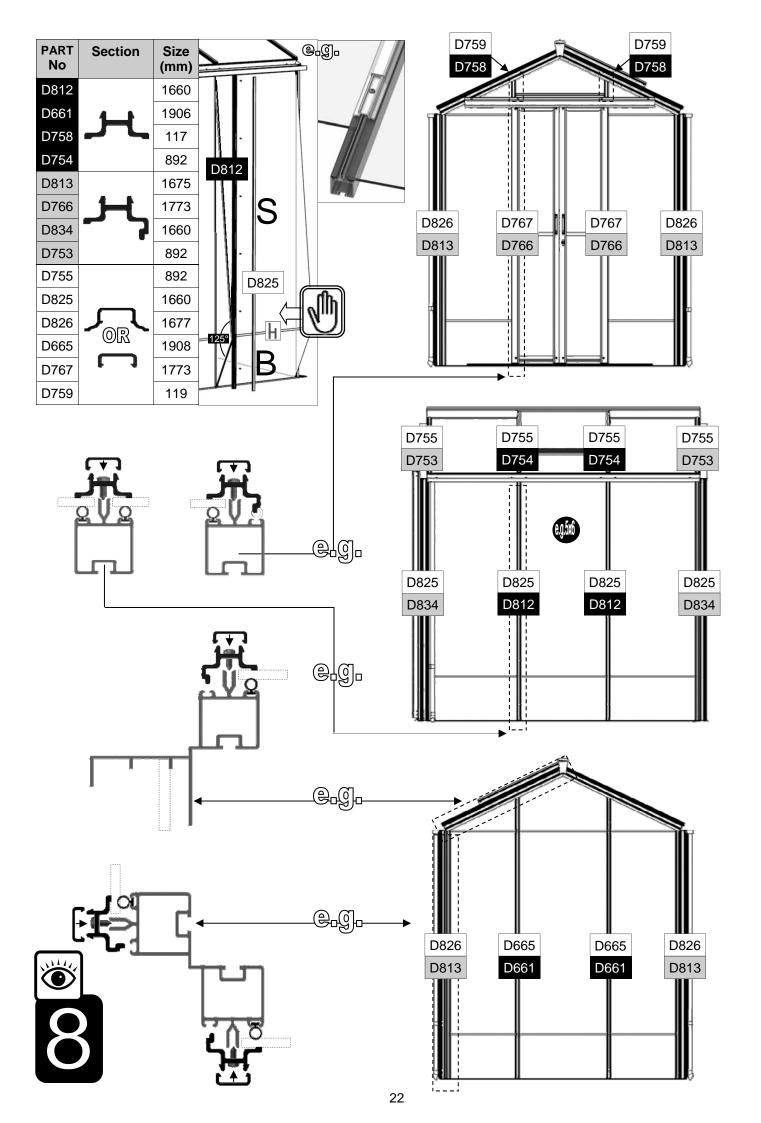


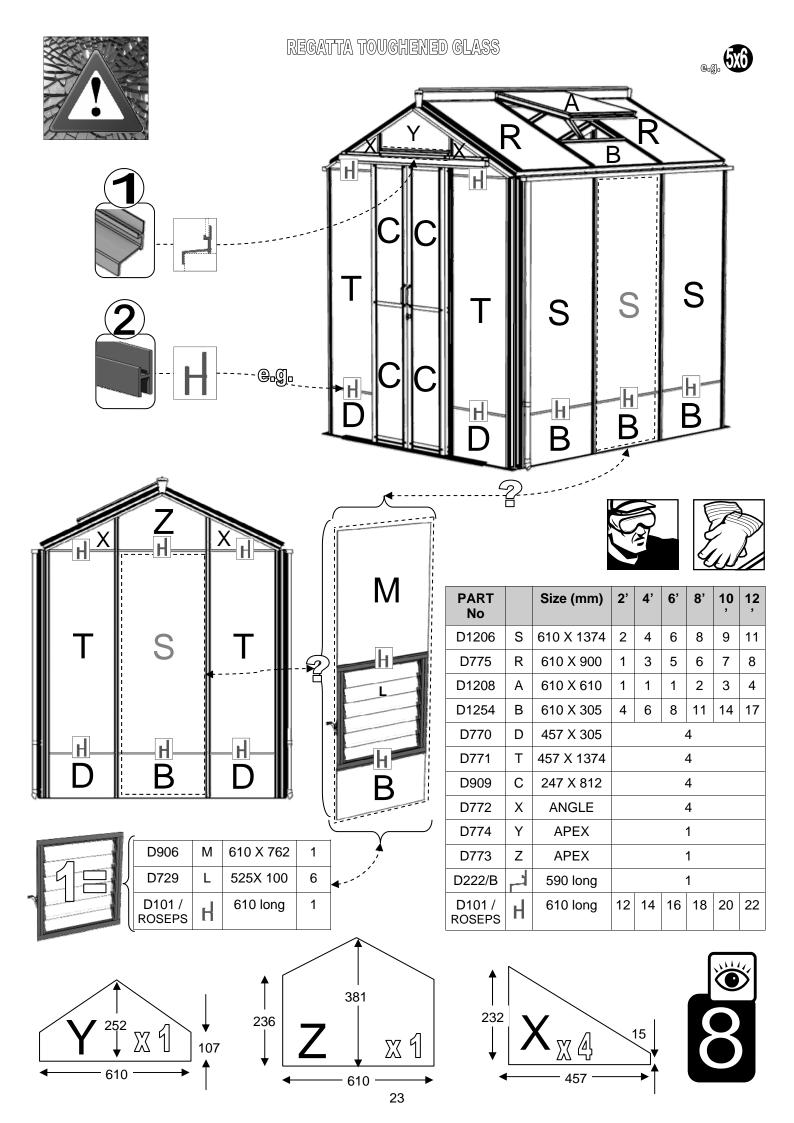


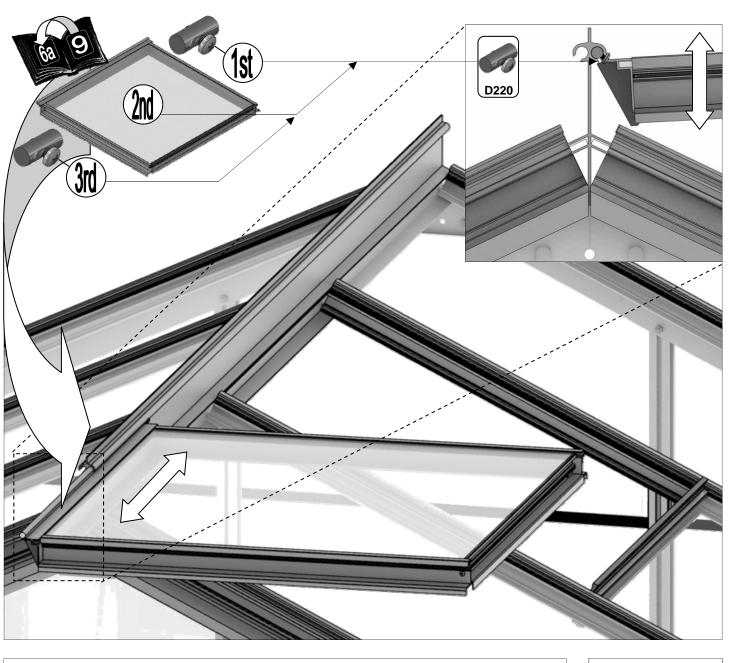


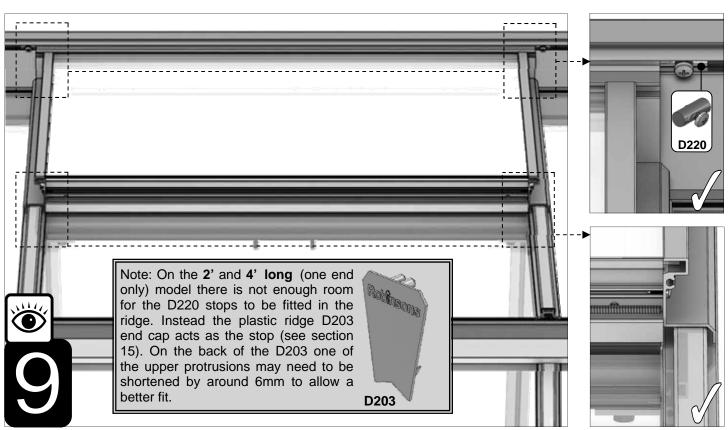


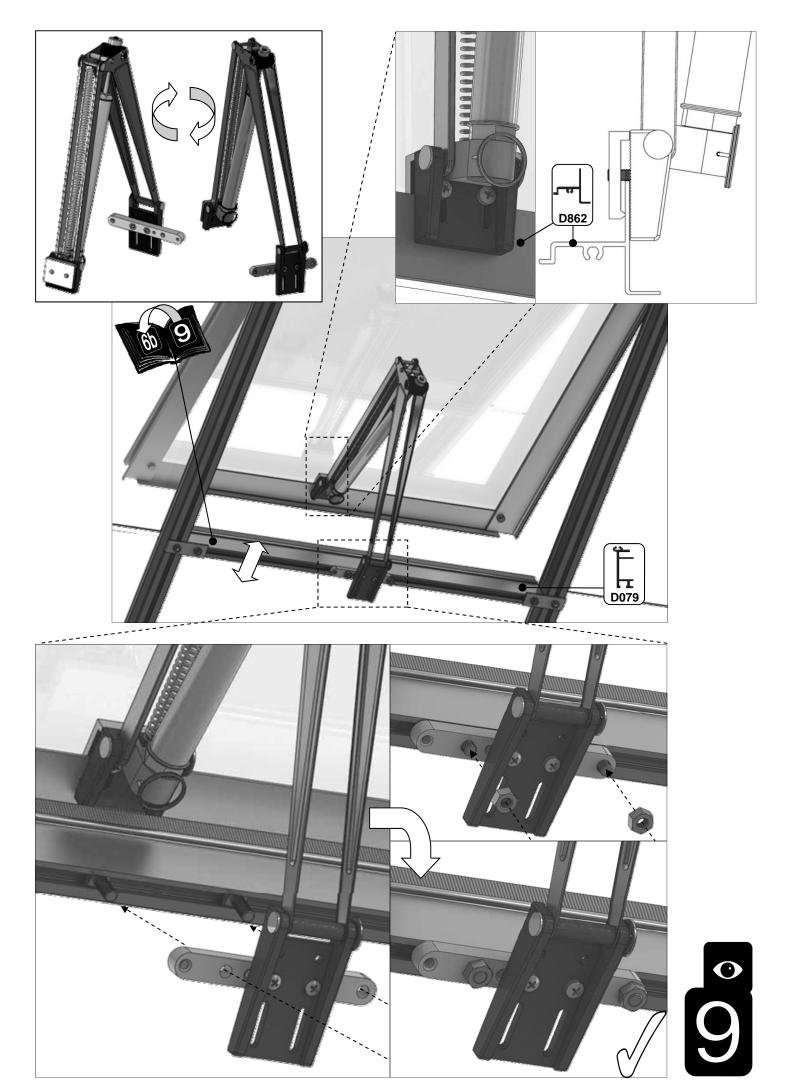






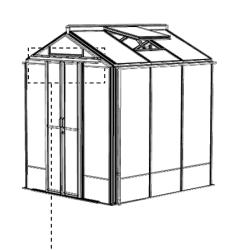


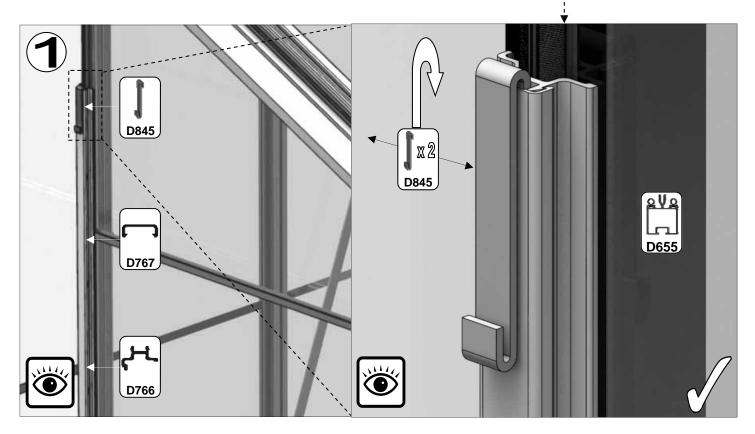


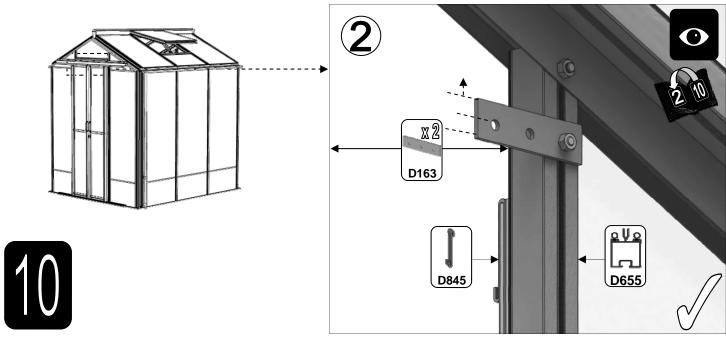


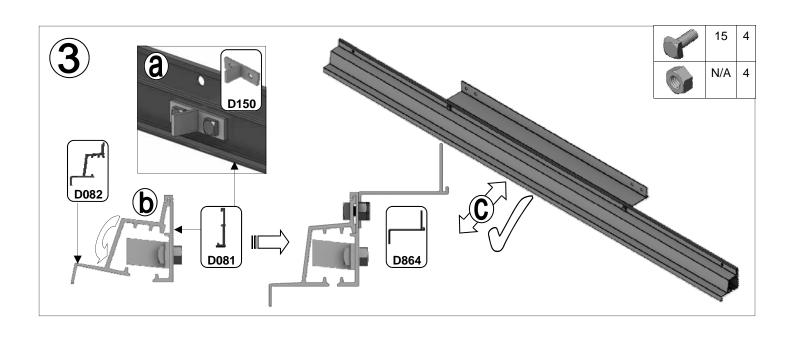
Part No		mm	Q
D864		590	1
D082	7	1270	1
D081	]	1270	1

Part No		mm	Q
D163		90	2
D150	2 0	1	1
D845	<del></del>		2
SY- BOLM6X15			8
SYNUTM6			8

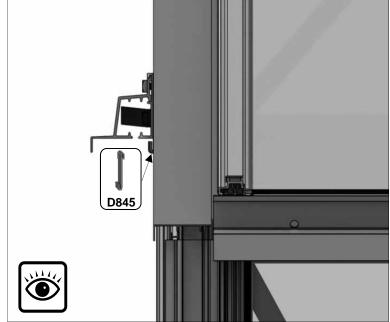


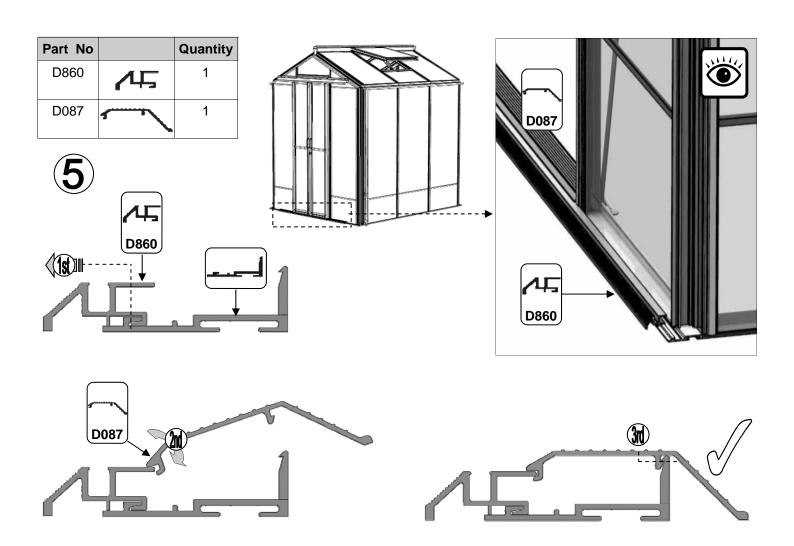


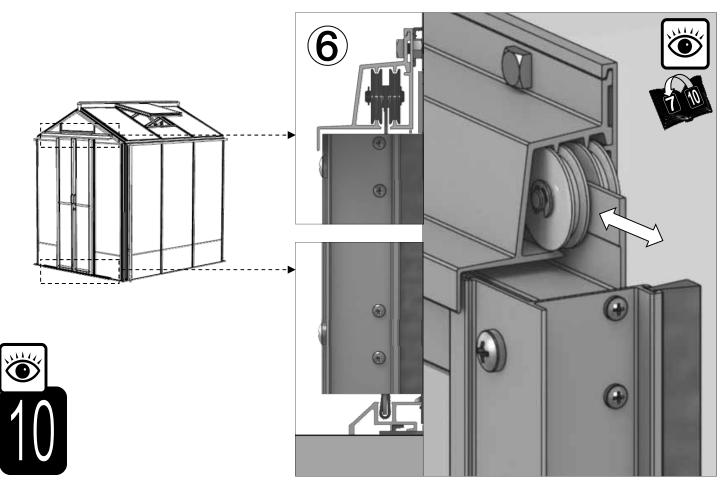




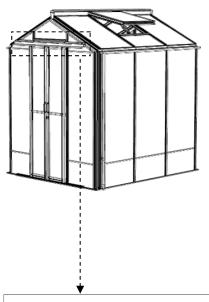


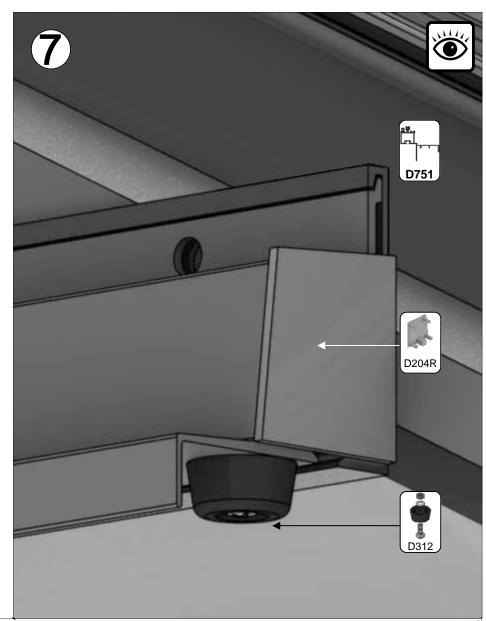


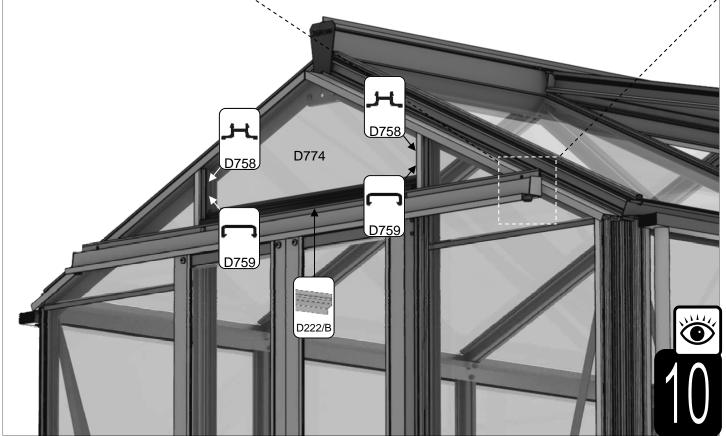


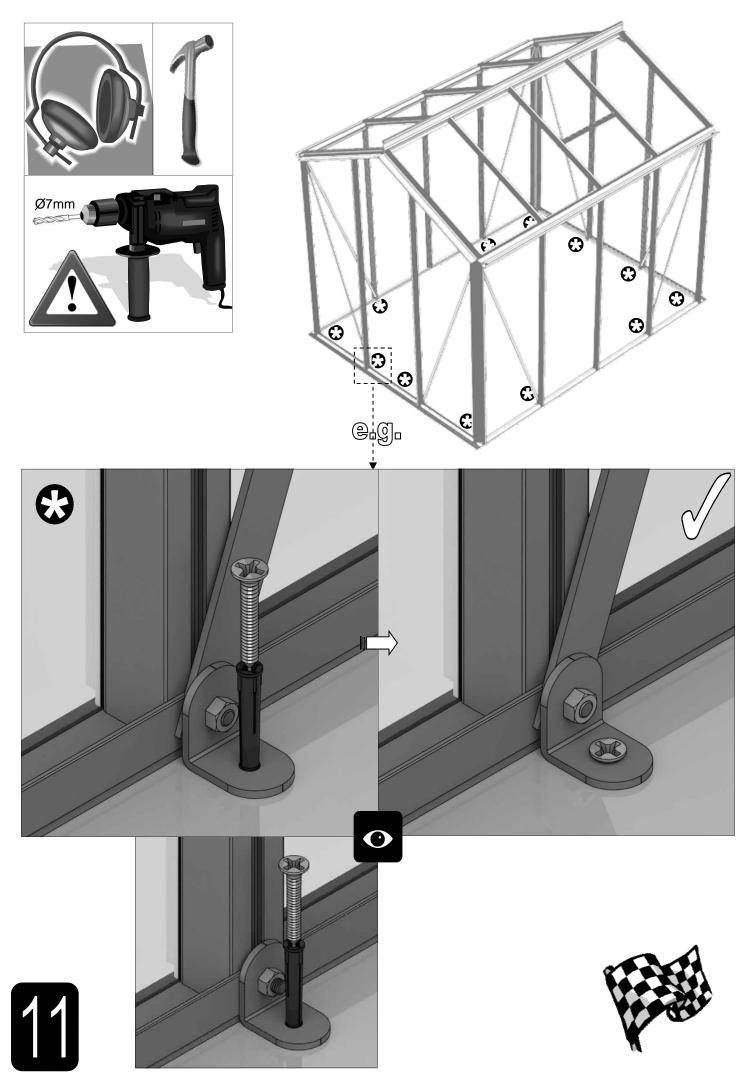


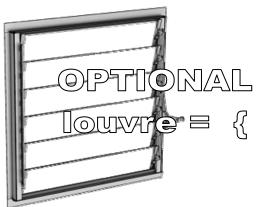
Part No		Quantity
D312	(a) (b) (c)	2
D222/B		590
D204L/B	1	1
D204R/B		1





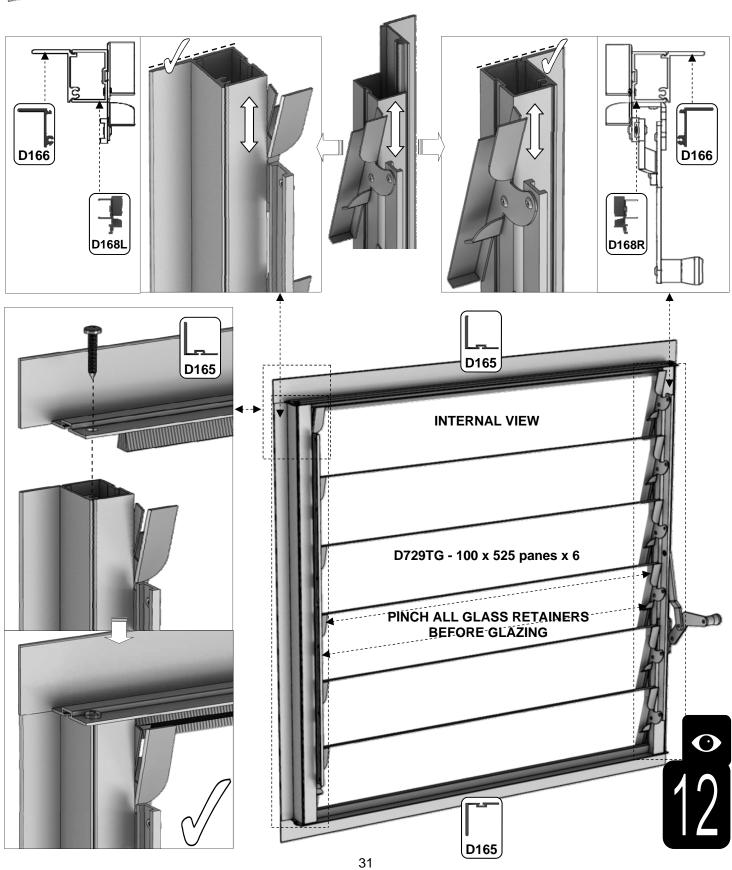


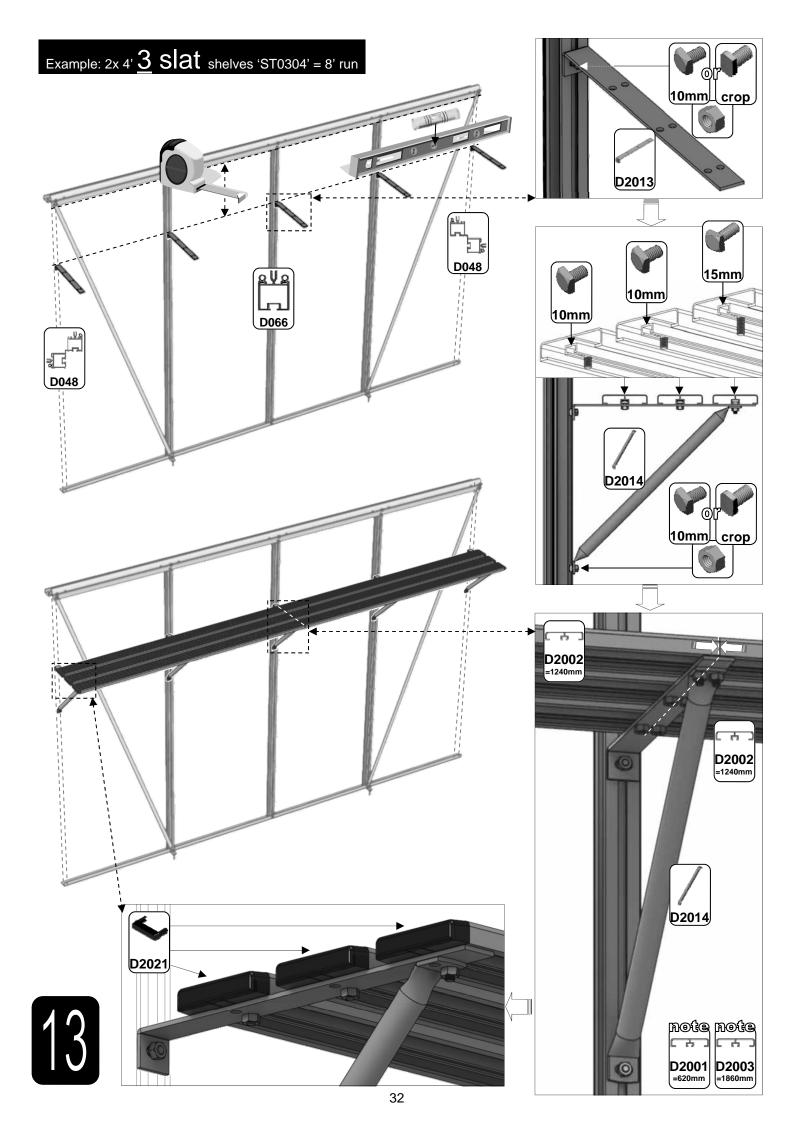


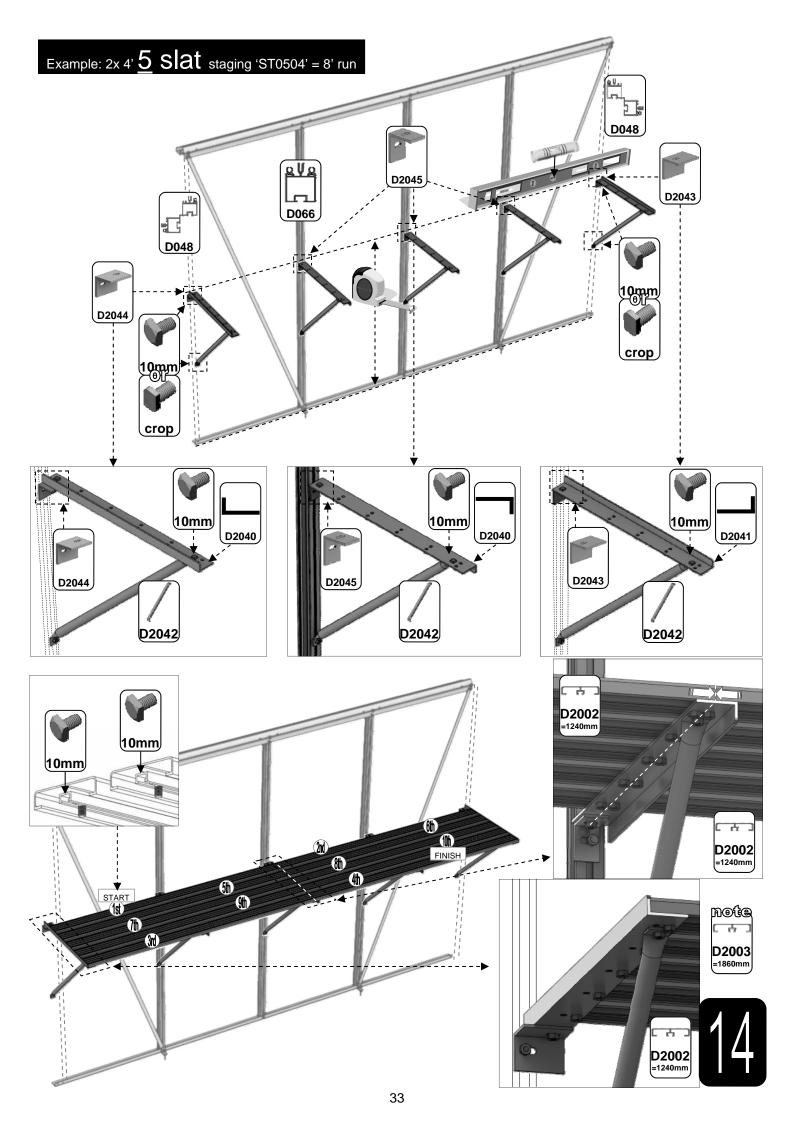


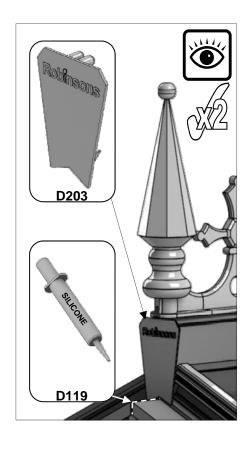
Part No		mm	Quantity
D168L	1 5	552	1
D168R (handle)	手车	552	1
D165		612	2
D166		552	2
FS6013	6	12	4



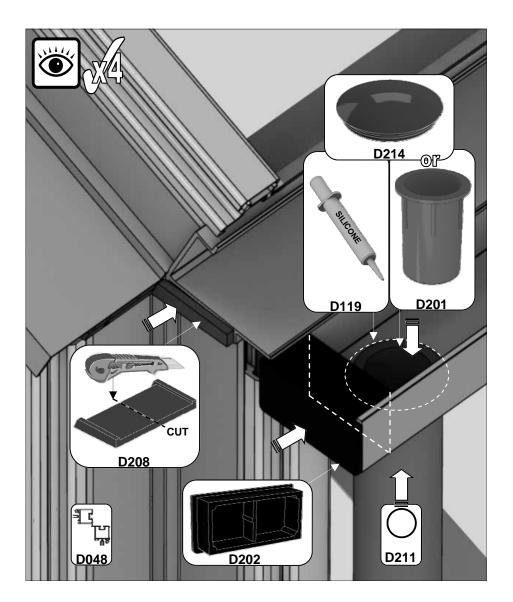








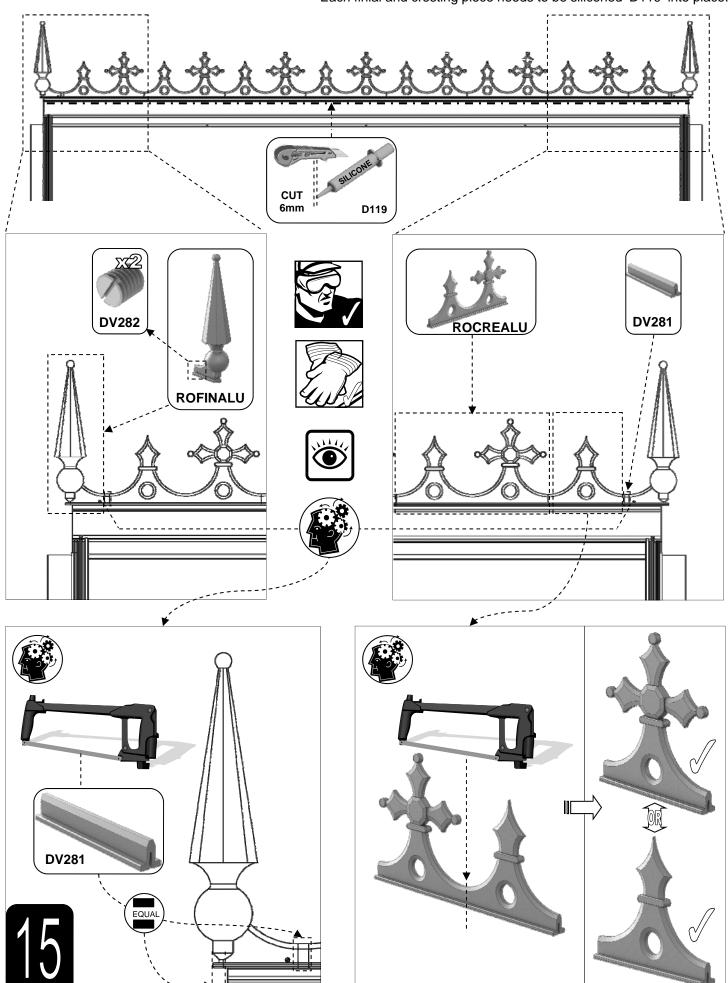






# OPTIONAL cresting = {

- End finials need to be pinched onto ridge using 'DV282' grub screws.
- Depending on your ridge length a half cresting may need to be cut or/ and some spacer bar 'DV281' cut into two equal sections.
- Each finial and cresting piece needs to be siliconed 'D119' into place.



Please be aware that this is a multi-national manual, if you spot any errors or have any constructive comments regarding the manual please email james.spooner@greenhousepeople.co.uk and I will make the necessary amendments. Whilst the information contained in this booklet is accurate at the time of publication, changes in the course of Robinsons policy of improvement through development and design might not be indicated. We point out this fact to avoid any infringements of the Trade Descriptions Act and also to advise that Robinsons Greenhouses reserve the right to change specifications and materials without prior notice.

In addition any photographs of completed buildings would be most appreciated to add to our portfolio.

THIS GREENHOUSE BOX WAS PACKED BY:	DATE:



www.robinsonsgreenhouses.co.uk

To contact Robinsons Customer Services email us at <a href="mailto:sales@robinsonsgreenhouses.co.uk">sales@robinsonsgreenhouses.co.uk</a> or call us on 01782 385 409.

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