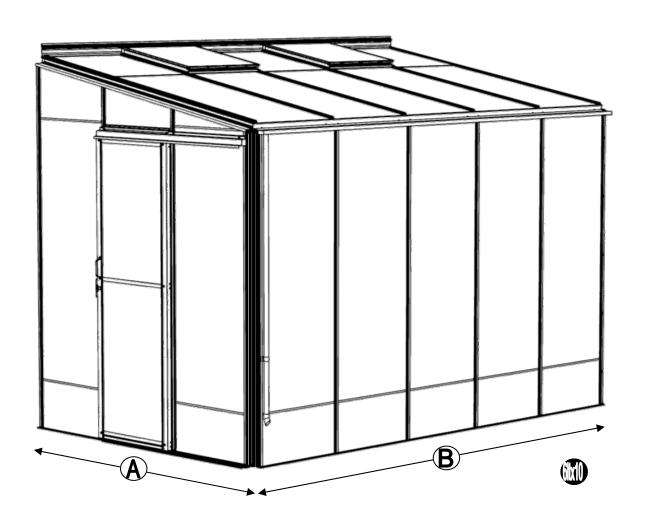


6' Lean-To Assembly Instructions



NOMINAL SIZE	A (mm)	B (mm)
6lt x 4		1392
6lt x 6		2012
6lt x 8	1952	2632
6lt x 10	1	3252
6lt x 12		3872

NOMINAL SIZE	A (mm)	B (mm)
6ft extension	-	1860



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-side, 2-front gable, 3-rear, 4-joining the three sides together, 5-roof, 6-wall attachment, 7-vent, 8-door, 9-glazing, 10-vent attachment, 11-door attachment, 12-anchoring down, 13-optional louvre, 14-optional shelf, 15-optional staging, 16-finishing touches, Door / Double doors on the side (this is optional and needs to be pre-ordered. 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
ī		EXTERNAL VIEW

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.







PARTS LIST Identify and separate all like for like components prior to assembly. The 'parts list' also into the various sections 1 - 12 shown below. Parts can also be identified by their profil stated lengths etc Base dimensions and recommendations. Ensure that your base is level as this will make the building, especially the glazing of the roof much more straight forward. PREPARATION Tools required. IMPORTANT: Use WD40 or similar in the glazing bar channels and insting rubber prior to frame assembly.	ke assembly of sert the black glaz-
BASE the building, especially the glazing of the roof much more straight forward. PREPARATION Tools required. <u>IMPORTANT</u> : Use WD40 or similar in the glazing bar channels and instance.	sert the black glaz-
	524', use 10mm
Take the side glazing bars 'D508' with the rubber inserted and the diagonal braces 'D55 bolts to join them to the gutter and 15mm bolts to the cills (note how the head of the bog glazing bar during construction).	
Again ensuring that the gable framework is rubbered-up follow the diagrams to assemble the building. Make sure that you have inserted the extra bolts utilised in sections 4, 5 are roof and side corner bars not every rubber channel will require rubber unless it is to be tion (see separate manual and section P).	and 11. On the
JOINING THE THREE SIDES Take the side (1) and both gables (2 & 3) and join them together on your base. It is a group some ladders to the side to support them if you do not have anyone to hold them for your base.	
Attach the ridge and then the rubbered-up roof bars ensuring that they are fully butted and down onto the gutter. Some tubular braces are supplied to add extra strength, they now or later with crop head bolts.	
WALL ATTACHMENT The main body of the frame is complete it can be attached to the wall. Make sure that to vertical and the ridge is horizontal then drill and screw the building to the wall. Do not a the ground until section (12) as your building may not be square.	
Once the vent is glazed add silicone to the vent sides and top. Stand the vent/s on their and then leave the silicone to set.	ir hinge (vent top)
7b VENT SLAM The slam bar 'D079' can be moved up and down between the roof glazing bars so that down onto the pane of glass beneath, the autovent will be attached to it later on (10).	it can be butted
8 DOOR/S Construct the door using the diagrams and then leave to one side ready for attachment	t in section (11).
Layout the bar cappings and covers around the building like a sundial checking that all correct. You can also place the roof cappings in the gutters so they are closer to hand. that your roof cappings (D541 / D547) are in one long section however you can cut the tions if you wish due to the glass overlap in the roof. This will remove the bulge in the rever keep the roof cover strips (D544) full lengths for the neatest finish. The glass in the bevel on the black separator strip which is on top of the 305mm high glass base panels action allows the glass to tuck underneath the gutter canopy. Use the capping and the screws to then hold the glass in place. The covers then enclose the screw heads giving top tip is to not attach the door post capping (D814/D836) until you have fitted the door threshold (11) to give you more room to manoeuvre.	You will notice eses into two sectoof capping, howels sides has to s. This bevelling self tapping g a neat finish. A
Take the assembled vent and slide the vent hinge 'D866' into the end of the ridge allow pivot open and closed. Vent stops go either side of the vent to stop any lateral movement of the Bayliss XL autovents.	
DOOR ATTACHMENT Use the bolts inserted in section (2) to attach the upper door track. The lower door rung ramp threshold 'D087' push down and lock together. Please note that if you are putting left hand gable (as you look at wall) the door track and runner will go from the doorway ter and if you are putting the door on the right hand end the track and runner will open.	g the door on the towards the gut-
ANCHORING DOWN Now that the greenhouse is finished and the door and vent/s are operating without intended to anchor the building down using 2" rawl plugs and screws. Use a 7mm masonry drill to create the holes.	
OPTIONAL LOUVRE They attach to the building during the glazing process (9) like a piece of glass with a bl above and below them.	ack separator
OPTIONAL SHELVING Robinsons integral cantilever staging and shelving attaches to the inside of the greenheither square head bolts (insert four into each side glazing bar 'D508' during construction (1)) or rectangular 'crop head' bolts which can be fitted retrospectively (both sets of bolt shelving/staging). This system allows the height of either the staging or the shelf to be specific height. Commonly the staging brackets are set 900mm from the cills though you	ion of the sides Its accompany the set at an operator
OPTIONAL STAGING suit the end user/s. The aluminium shelf / staging slats come in two lengths; (4'):1240n (6'):1860mm 'D2003'. These slats can combine to create any length of staging required etc	nm 'D2002' and
FINISHING TOUCHES Now that the main body of the structure is complete you can add; downpipe fittings, early the structure is complete.	ve bungs.

Section Ref	Part No.	Section	Size (mm)	6lt 4	6lt 6	6lt 8	6lt 10	6lt 12	Section Ref	Part No.	Section	Size (mm)	6lt 4	6lt 6	6lt 8	6lt 10	6lt 12
	D600		1270	1					2	DUDDED	\cap	1000			00		
	D036		1890		1				3	RUBBER	Δ	(1m)			38		
	D037		2510			1			3	D174	4	N/A			8		
	D050		3130				1							1	1	ı	
	D040		3750					1	-	D948	k	1277	1	_			
	D947		1277	1						D976	1	1897		1			
	D975	n	1897		1					D973	Ĺ	2517			1	4	
	D974	, ,,	2517			1				D981	ł	3137				1	
U	D979]	3137				1			D977		3757					1
	D978		3757					1		D653		1270	1	4			
	D524		2026	1		2	2		5	D593 D594		1897 2517		1	1		
		IJ								D594 D595		3137			ı	1	
	D508	4	1930	1	2	3	4	5		D595	4 6	3757				1	1
										2000	a Va	0707					
	RUBBER	Q	1000 (1m)	4	8	12	16	20		D951		1915	1	2	3	4	5
	D174	6	N/A	1	2	2	4	1			<u> </u>	1000					
	D036		1890			2				RUBBER	<u> </u>	(1m)	4	8	12	16	20
	D510	لگلي	1930			2				D866	٦	639		1		2	2
_	D955	31 c 12 c	2037			2				D863L		613		1		2	2
2		ليا								D863R	. . .	613		1		2	2
2 + 3	D956		2147			2			7	D862	F	593		1		2	2
3	D957		2257			2				D079 PLUS FLUFF	Ë	590		1		2	2
	D962		1890			2				D114	00	N/A		2			4
	D950L	ا_ا				1				D220 PLUS FS6060 SCREW	6	N/A		2			4
	D950R		1915			1				D205		N/A		2			4

Section Ref	Part No.	Section	Size (mm)	6lt 4	6lt 6	6lt 8	6lt 10	6lt 12
	D090 + D347 lock = D301	<u></u>	1824			1		
	D094	<u></u>	1824			1		
	D096 + D217 wheel = D307	#	611			1		
8	D095	[]	611			1		
	D097		611			1		
	D232		905			2		
	D233		797			2		
	P053	5	N/A			1		
	D225	0	610			1		
	D840B		4000			1		

ANTITIES	etc SEPERATE	10mm	13	16	19	22	25
MAIN FRAME QUANTITIES	VENTS / DOORS etc S	15mm	27	29	30	31	32
MAIN F	VENTS/	m6	40	45	49	53	57







Section Ref		Part No.	Section	Size (mm)	6lt 4	6lt 6	6lt 8	6lt 10	6lt 12	
	5	D541		1915	1	2	3	4	5	
	1	D953		1923	1	2	3	4	5	
	3	D913	4	2030			1			
	3	D960		2140			1			
	2	D969		140			1			
	2	D971		250			1			
	5	D547		1915	2					
	2	D814	_H_	1883	2					
9	1/2/3	D952	- 7	1923		4				
	2/3	D958		2250	2					
		1								
	5	D544		1915	3	4	5	6	7	
	2	D836		1883	2					
	3	D914		2030	1					
	2/3	D915	Joe	2250			2			
	1/2/3	D954	OR	1923	5	6	7	8	9	
	3	D959		2140		1				
	2	D970		140			1			
	2	D972		250			1			

		<u> </u>	•	
	D864		590	1
	D860	石	1240	1
	D087	~	587	1
	D084	لل الم	1270	1
11	D083]	1270	1
,	D153	10 07	198_	1
	D163	000	90	2
	D154	1	N/A	1
	D222/B		590	1
	D112		650	1
	D845		N/A	2
	D842		N/A	1

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.

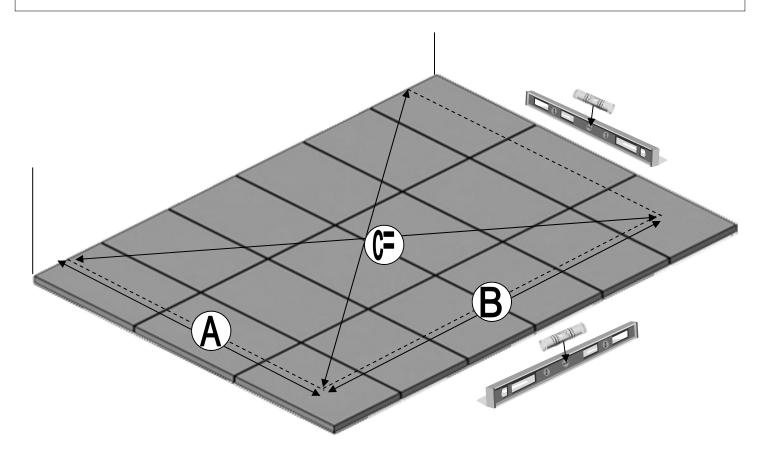
It is essential that the BASE IS FLAT, LEVEL AND SQUARE AS WELL AS BEING SUBSTANTIAL enough to take the weight of the greenhouse including its 4mm glass.

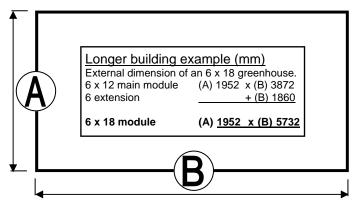
Give yourself enough room around your base to allow for fitting the glass and any on-going maintenance / cleaning. A slab base which is larger than the greenhouse is the ideal solution and is our preferred foundation.

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.



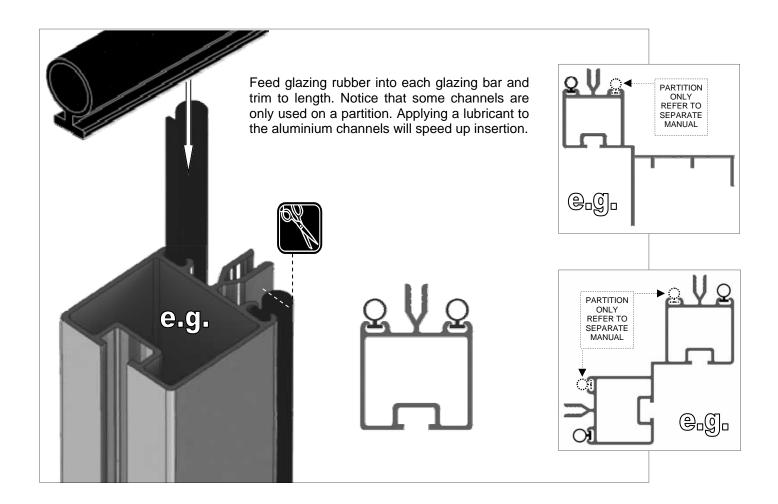


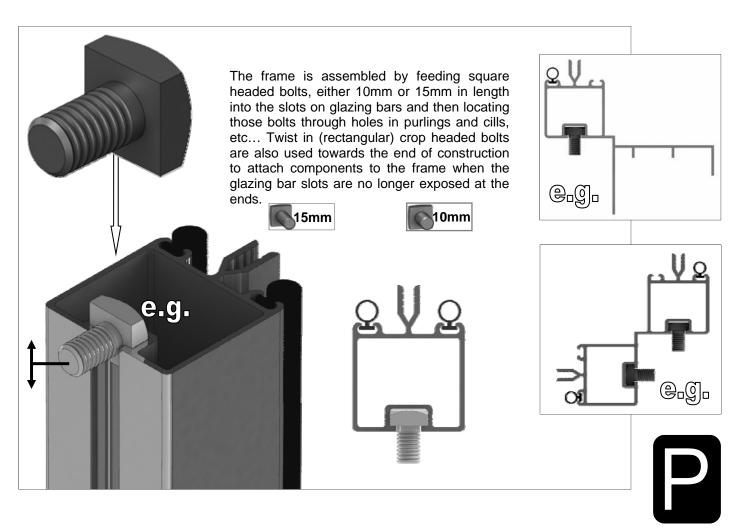
EXTERNAL DIMENSIONS (mm)

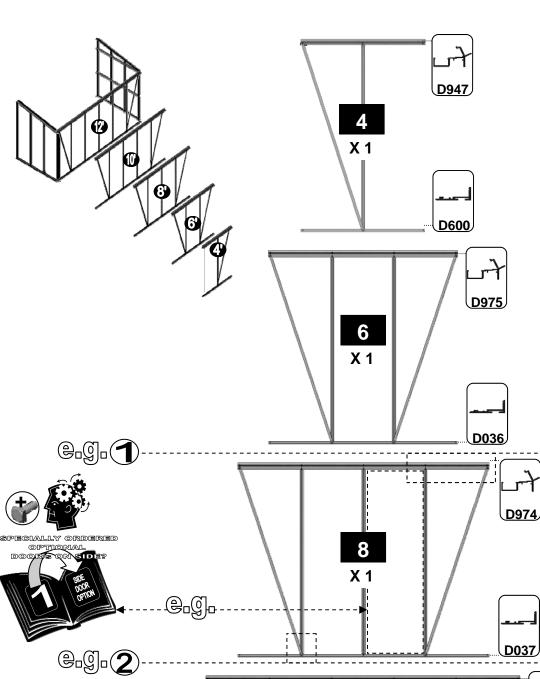
Model sizes listed are **nominal**, <u>use 'mm' measurements</u>. i.e.: an 6 x 10 is the model 6'4" x 10' 7"

MODEL		A (mm) WIDTH	B (mm) LENGTH	C (mm) DIAGONAL
	6 x 4 Lt		1392	2397.5
	6 x 6 Lt		2012	2787
6' LEAN-TO	6 x 8 Lt	1952	2632	3263
	6 x 10 Lt		3252	3781
	6 x 12 Lt		3872	4326
EXTENSIONS	6ft ext.	-	1860	-









6LT H	IIGH SID	E 4 X 1
Part No	mm	Quantity
D947	1277	1
D600	1270	1
D508	1930	1
D524	2026	1
D174	6	1
M6- 10mm	6	1
M6- 15mm	9	2
M6- NUT	0	3
Rubber	1000	4

6LT HIGH SIDE 6 X 1					
Part No	mm	Quantity			
D975	1897	1			
D036	1890	1			
D508	1930	2			
D524	2026	2			
D174	•	2			
M6- 10mm	3	2			
M6- 15mm		4			
M6- NUT	0	6			
Rubber	1000	8			

6LT HIGH SIDE 8 X 1					
Part No	mm	Quantity			
D974	2517	1			
D037	2510	1			
D508	1930	3			
D524	2026	2			
D174	ø	2			
M6- 10mm	-	3			
M6- 15mm		5			
M6- NUT	6	8			
Rubber	1000	12			

	10 X 1	D979
, M		

6LT HIGH SIDE 10X 1					
Part No	mm	Quantity			
D979	3137	1			
D050	3130	1			
D508	1930	4			
D524	2026	2			
D174	6	4			
M6- 10mm	4	4			
M6- 15mm	1	6			
M6- NUT	0	10			
Rubber	1000	16			

6LT HIGH SIDE 12X 1

mm

3757

3750

1930

2026

P

0 1000 Quantity

1

5

2

4

5 7

12

20

Part No

D978

D040

D508

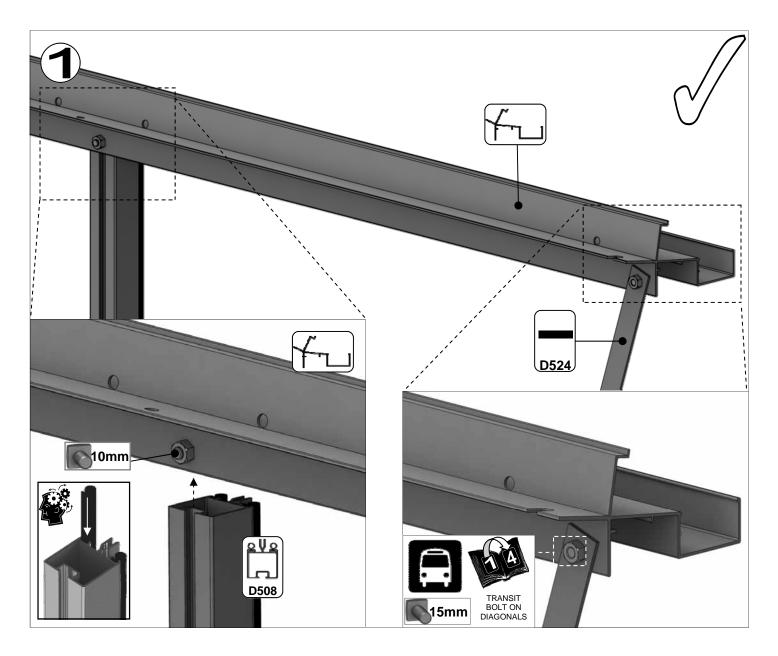
D524

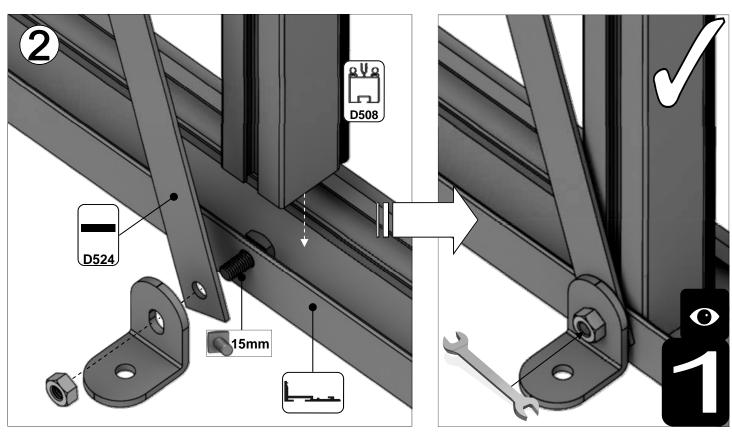
D174

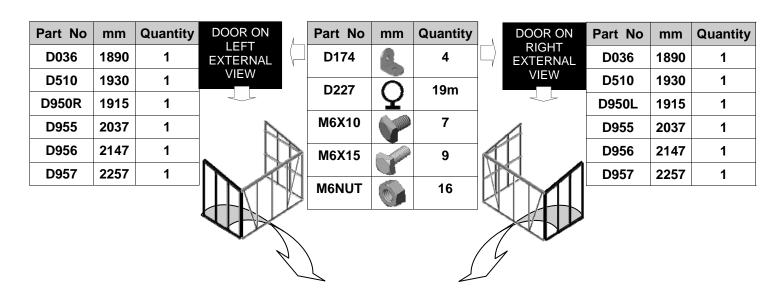
M6-10mm M6-15mm M6-NUT Rubber

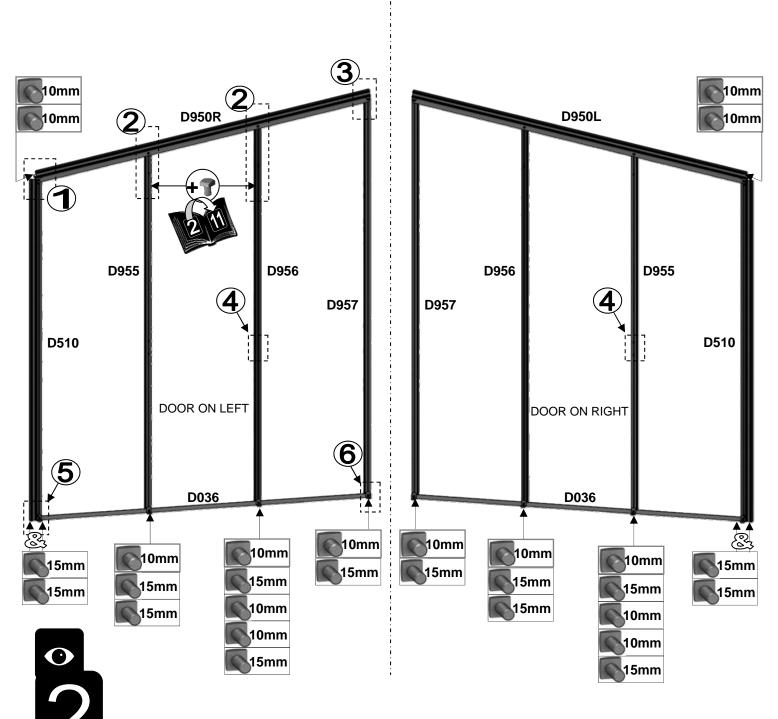


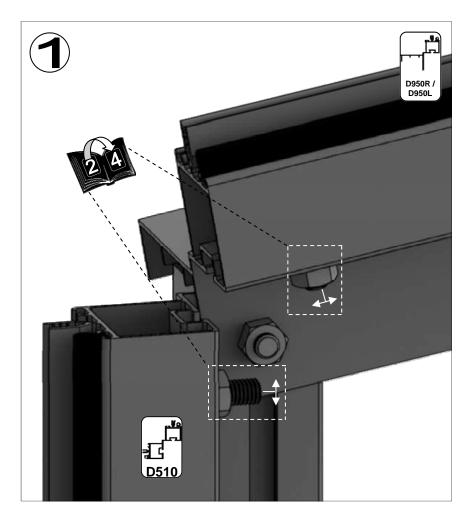
	1 x	2		D978
		8		D040

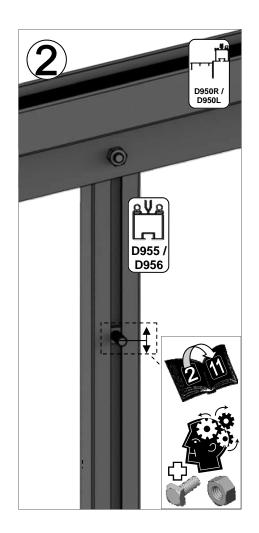


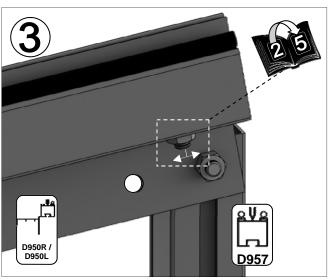


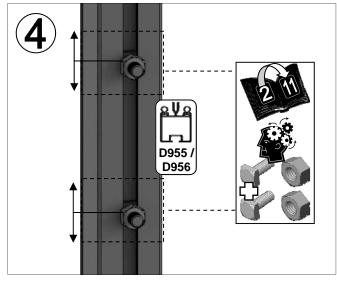


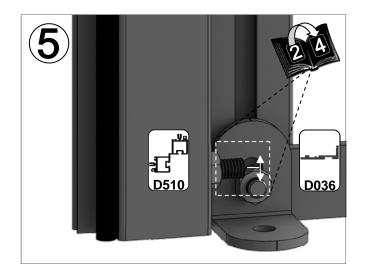


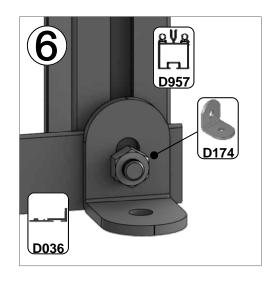




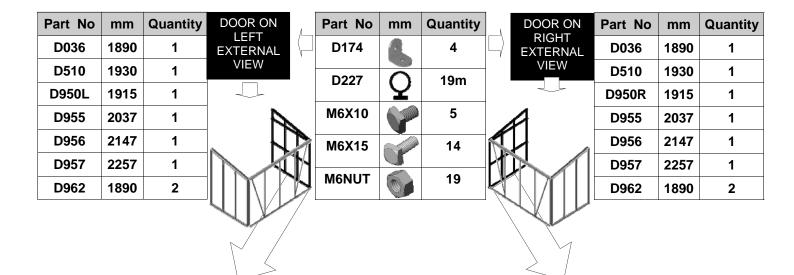


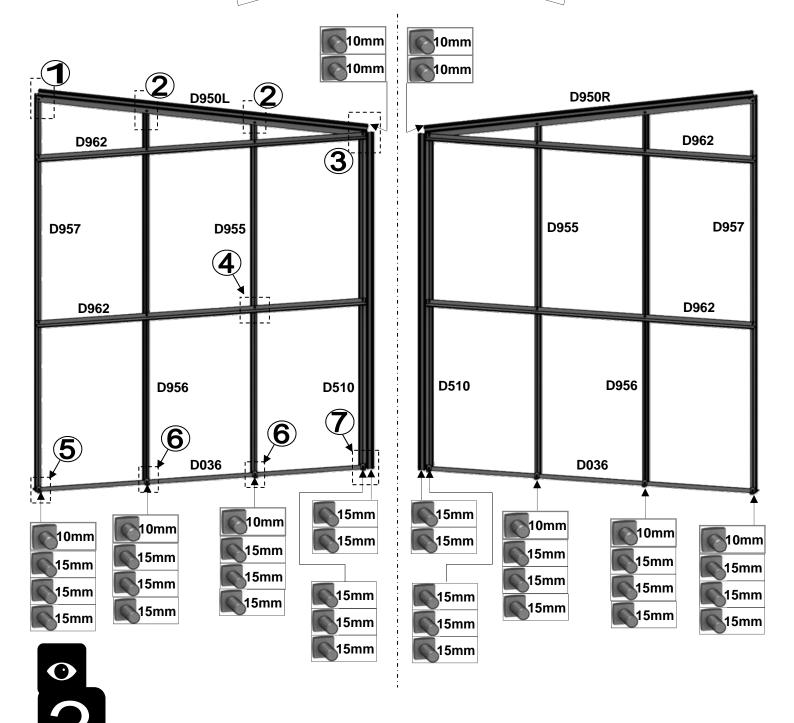


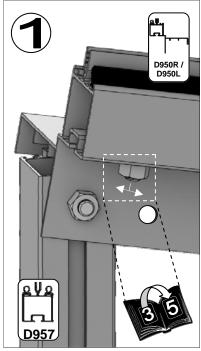


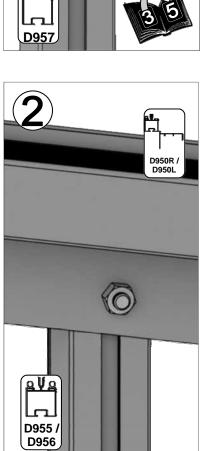


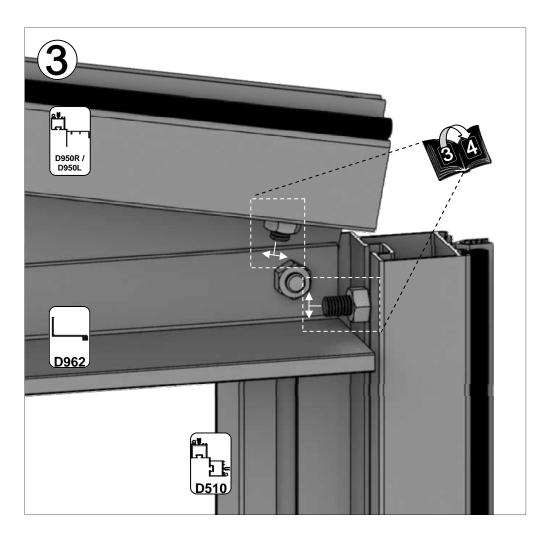


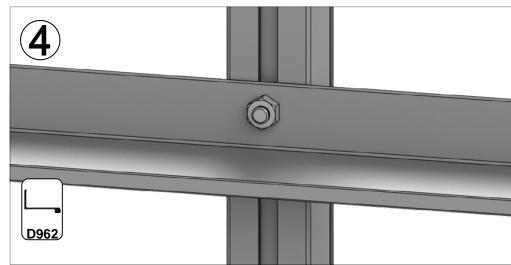


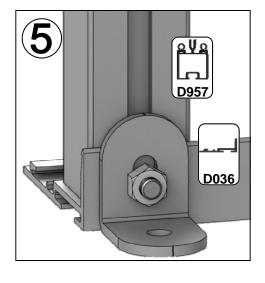




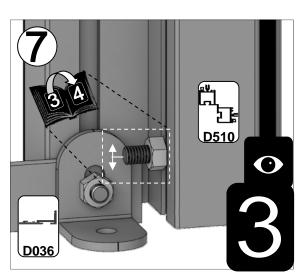


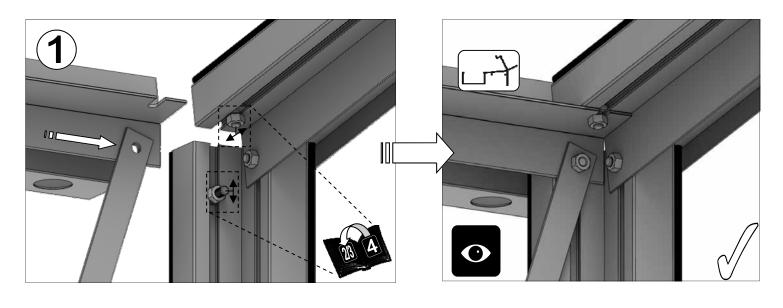


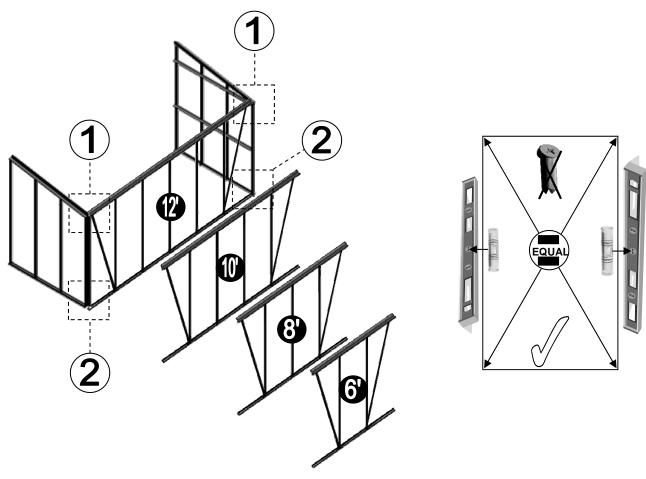


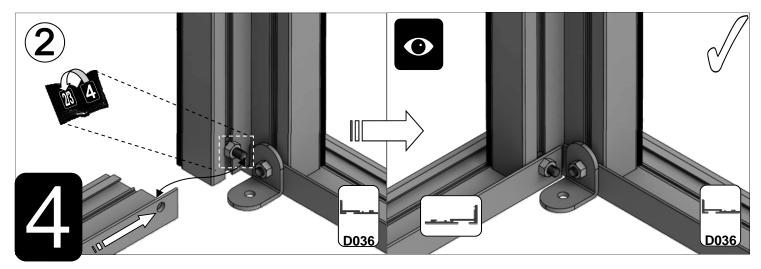




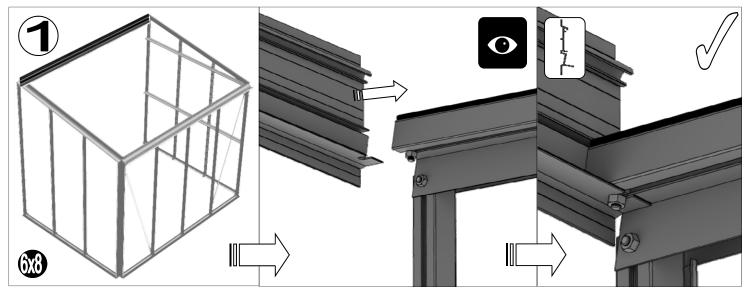


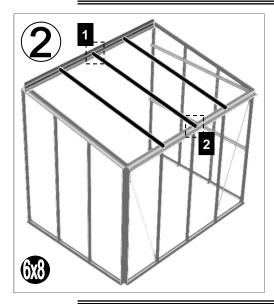


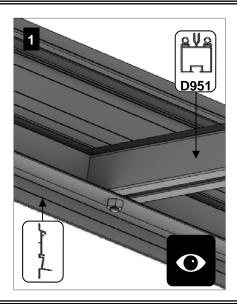


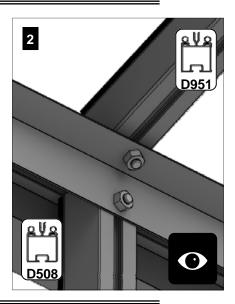


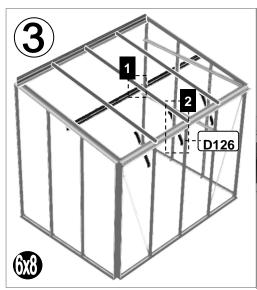
4'		2	6'		4	8'		6	10'		8	12'		10
Part	mm	Quantity												
D948	1277	1	D976	1897	1	D973	2517	1	D981	3137	1	D977	3757	1
D951	1915	1	D951	1915	2	D951	1915	3	D951	1915	4	D951	1915	5
D653	1270	1	D593	1897	1	D594	2517	1	D595	3137	1	D596	3757	1
RUBBER	1000	4	RUBBER	1000	8	RUBBER	1000	12	RUBBER	1000	16	RUBBER	1000	20

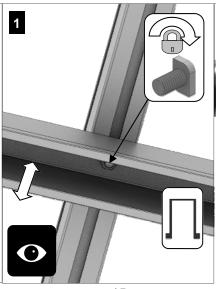


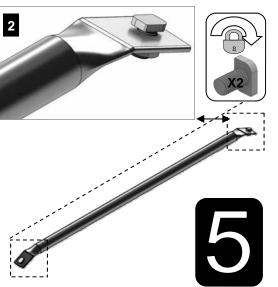


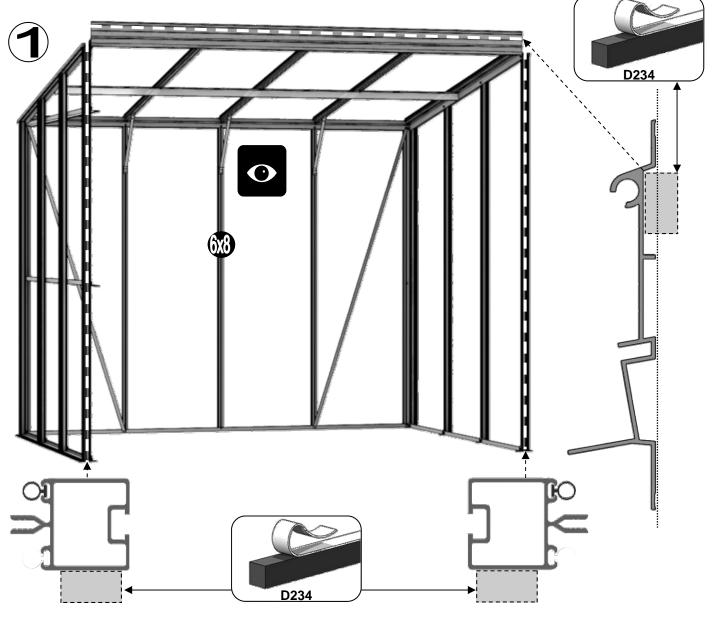


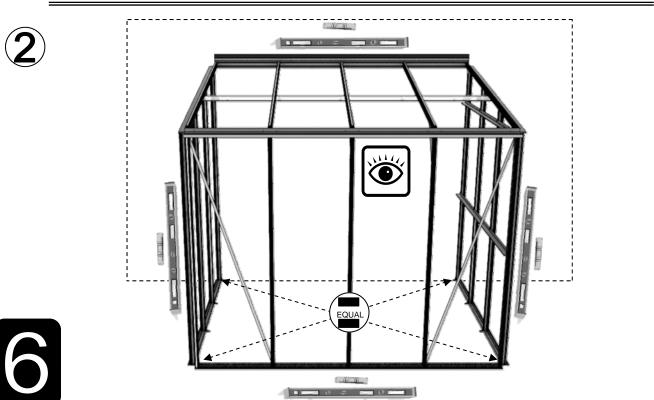








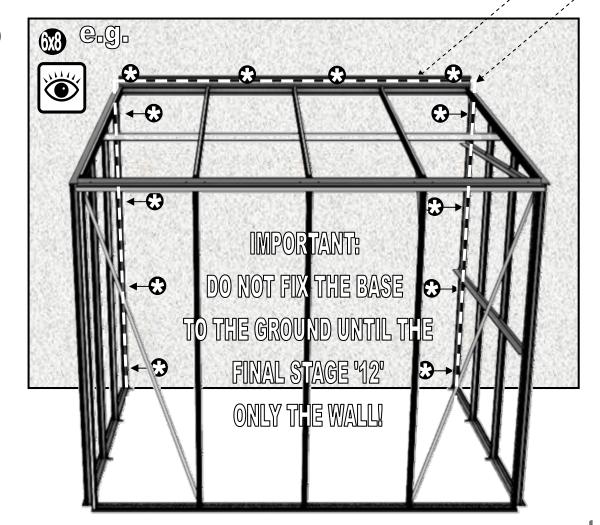


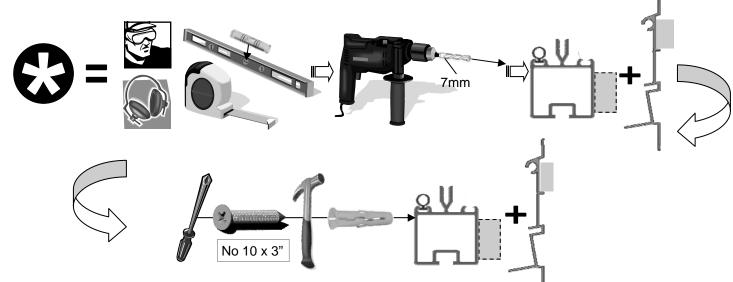


			6x4	6x6	6x8	6x10	6x12
Part No		mm	Quantity				
SYSCR3	×	75	10	11	12	13	14
SYRAWL		50	10	11	12	13	14





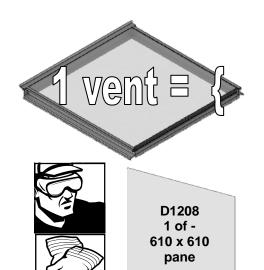




There are various options for attaching your greenhouse frame to its wall.

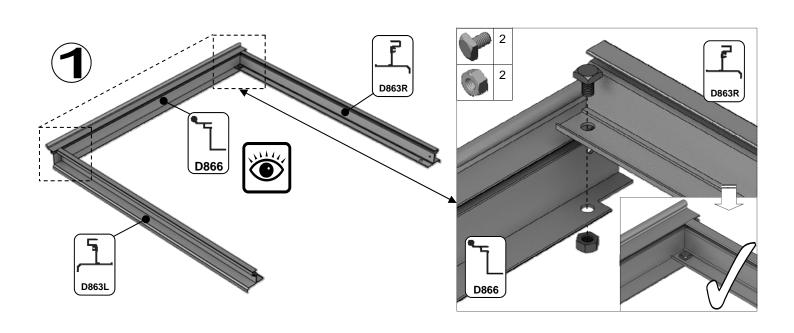
- 1) Drill through the vertical wall bars with a 7mm drill/hammer drill using a 7mm masonry bit, Use 3" screws to secure the wall bars.
- 2) Drill through the vertical wall bars with a 7mm drill bit and enlarge the inner hole to 10mm. Use 2" screws to secure the wall bars hiding the screw heads inside the bars to give a neat finish.
- 3) Use L-shaped brackets and 2" screws to secure the frame to the wall similar to anchoring the green-house down (e.g. section 12).

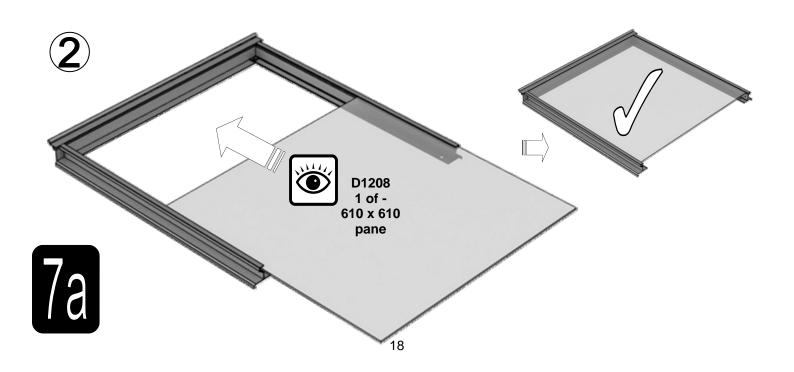


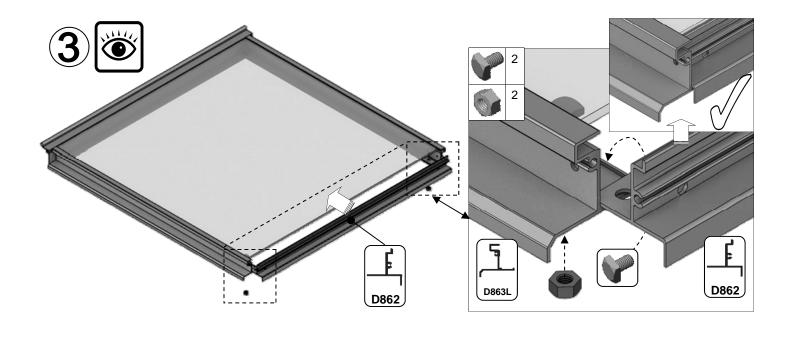


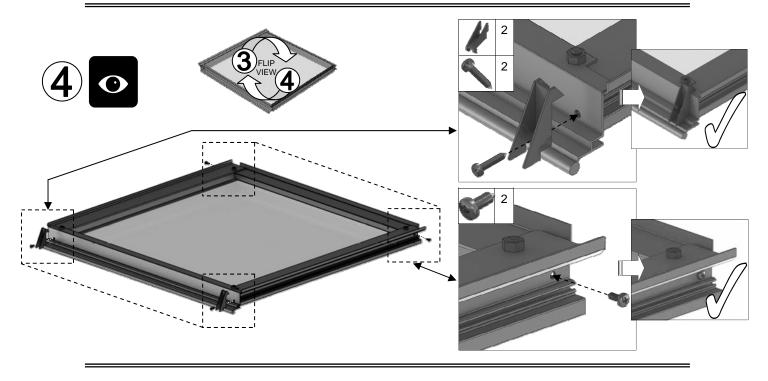
Part No		mm	Quantity
D866	~ _	639	1
D863L	1	613	1
D863R	上	613	1
D862	<u></u>	593	1

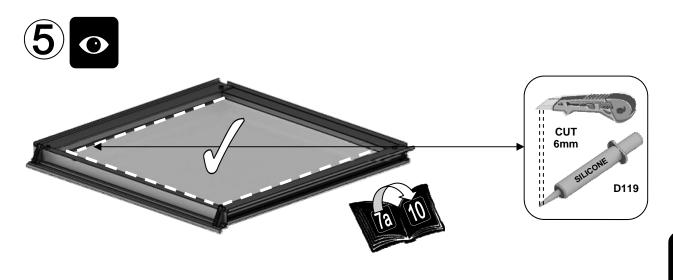
Part No		mm	Quantity
D220 PLUS FS6060 SCREW	10	N/A	2
D205	1	N/A	2
SY- BOLM6X11		10	4
SYNUTM6		M6	4
8 X 12 S/T FS6017	6	10	2
8 x 19 S/T FS6018	1	19	2







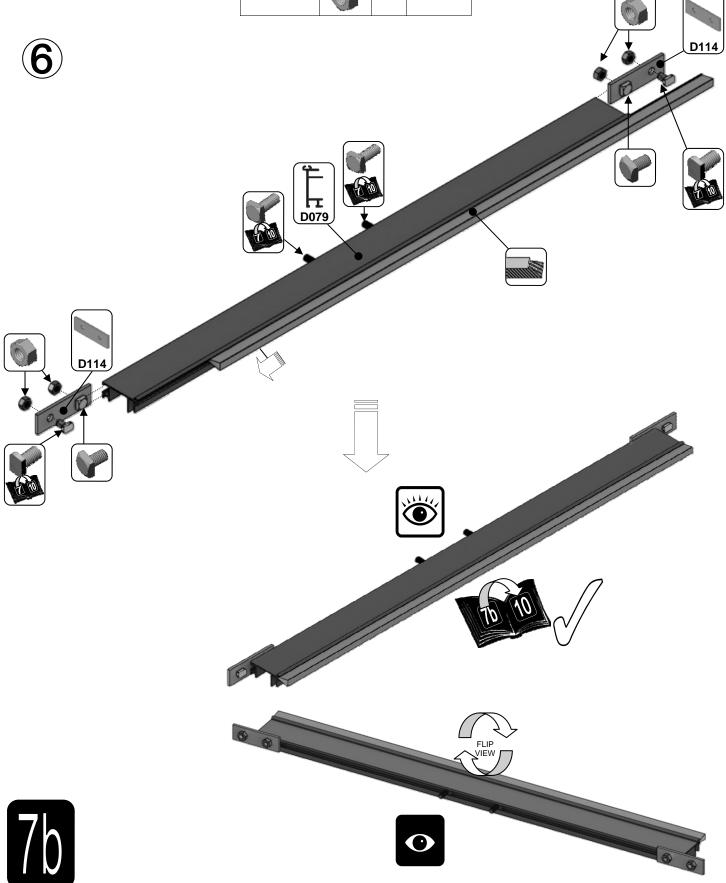


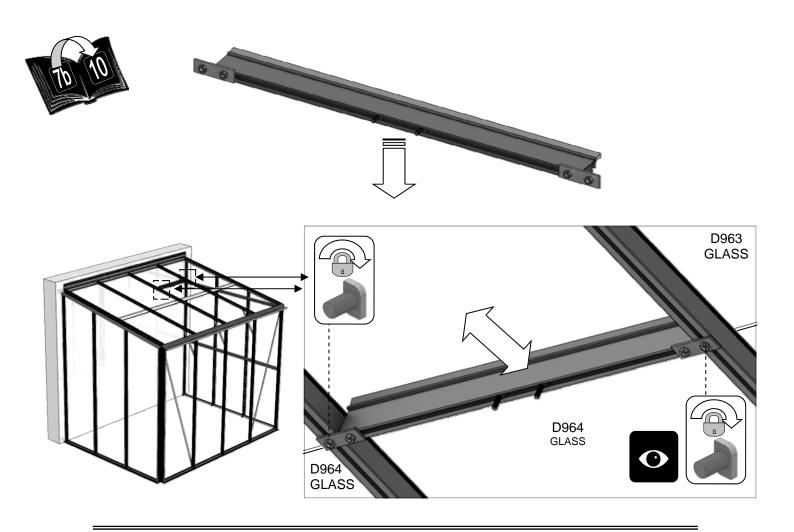


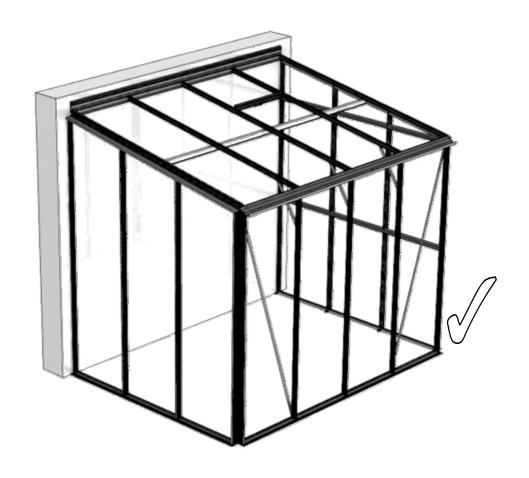


Part No		mm	Quantity
SY- BOLM6X11		10	2
SY- BOLM6X15	P	15	2
SYBOLM6 X11CROP		10	2
SYNUTM6		N/A	4

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



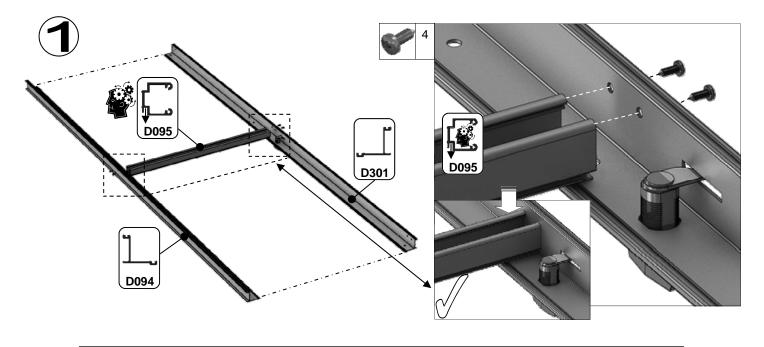


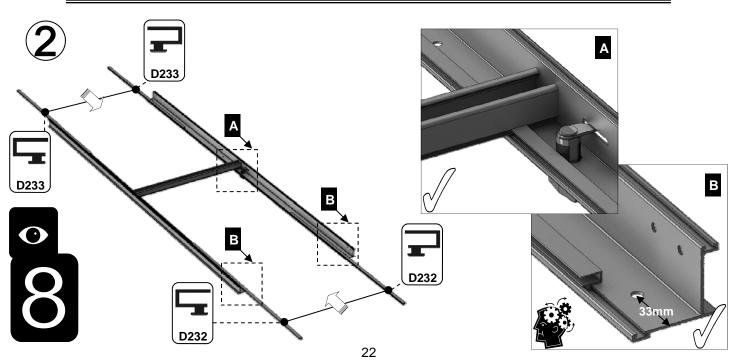


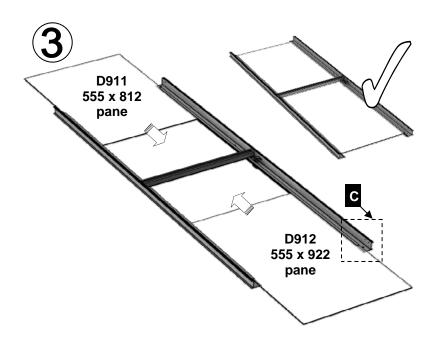


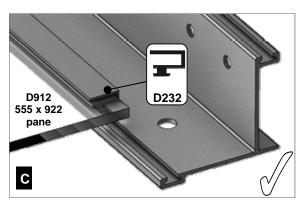
Part No		mm	Q
D090 + D347 lock = D301		1824	1
D094	ʹʹͺ	1824	1
D096 + D217 wheel = D307	ريا	611	1
D095	Ĺ	611	1
D097		611	1

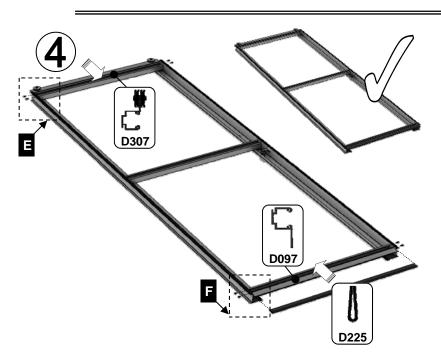
Part No		mm	Q
D232		905	2
D233	1	797	2
P053		N/A	1
D225	0	610	1
D840B		4000	1
D263		N/A	7
PACK		N/A	7
D260 PACK	Carrie	N/A	12

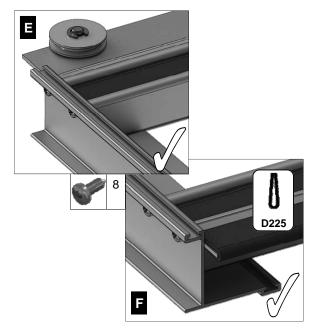


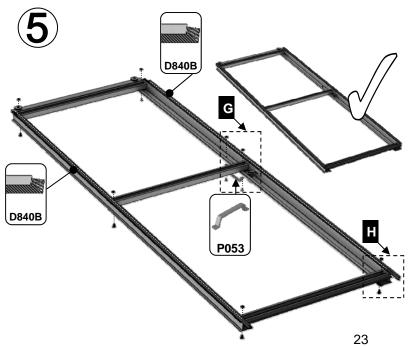


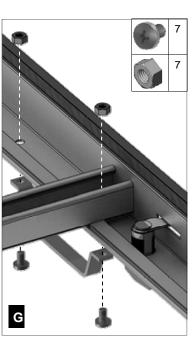




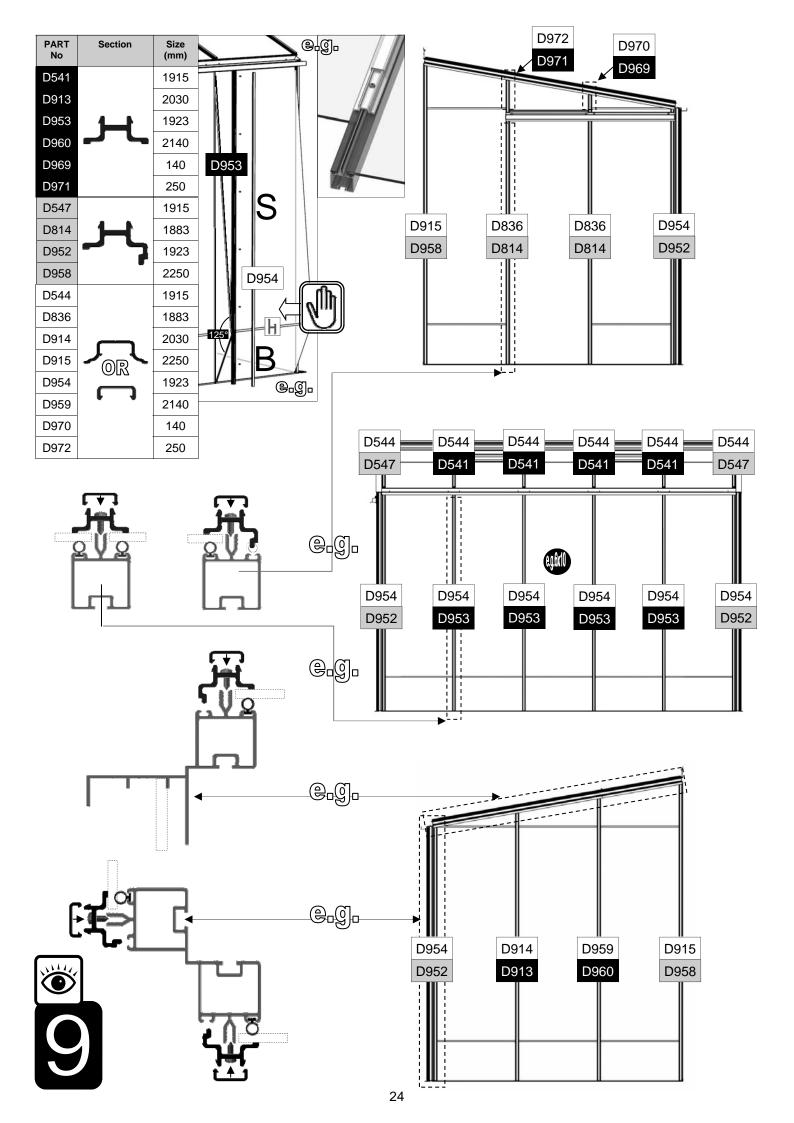


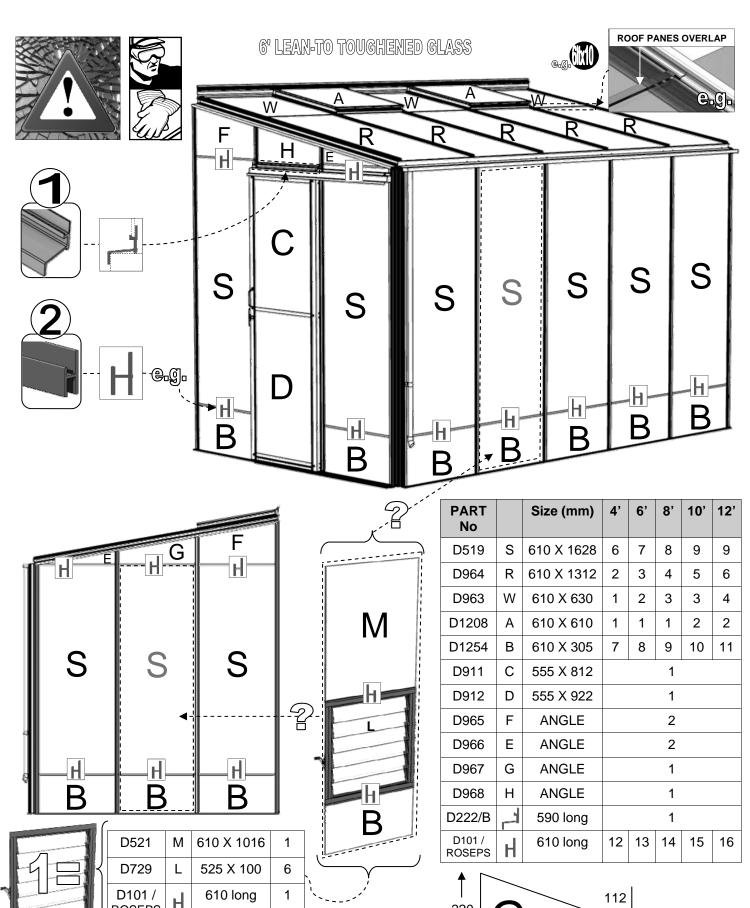


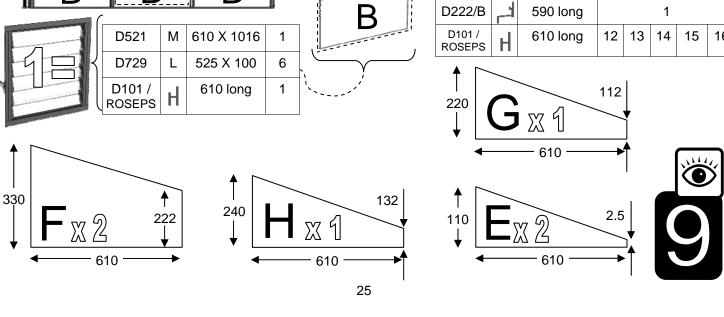


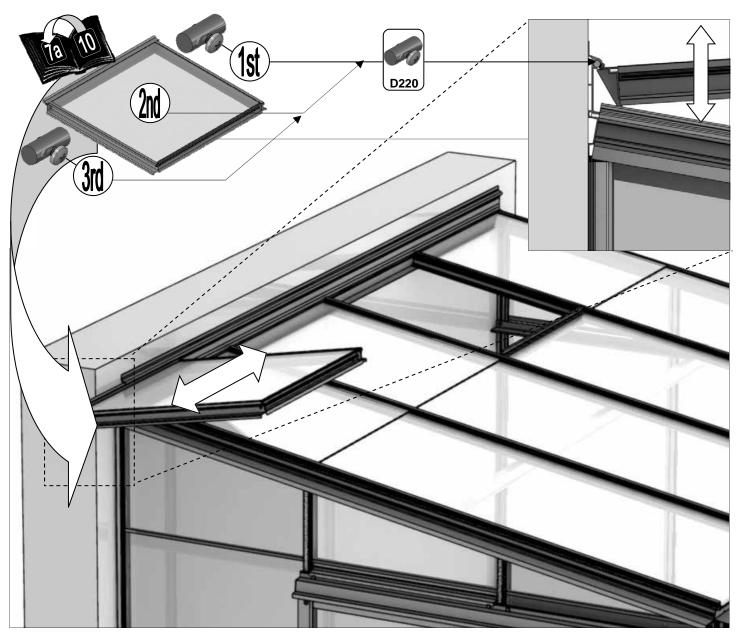


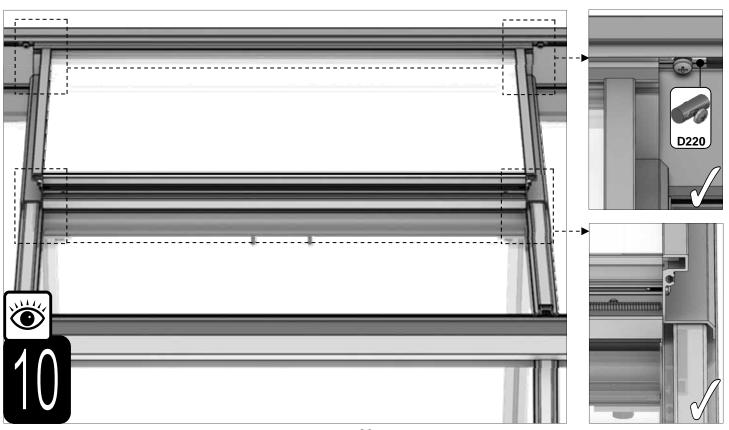


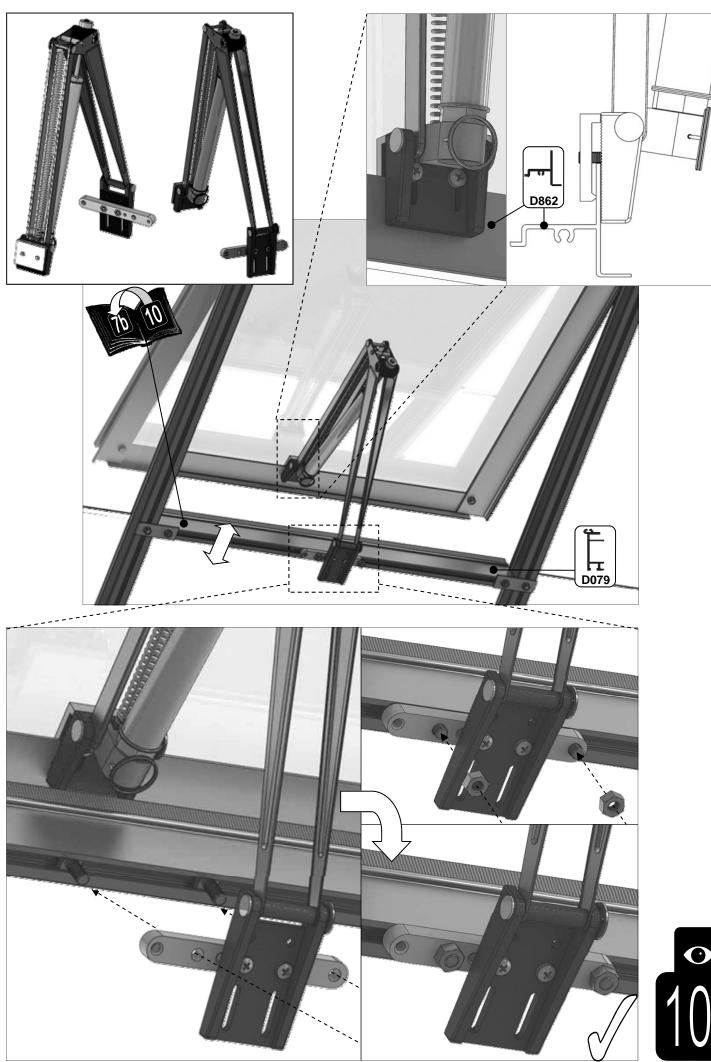






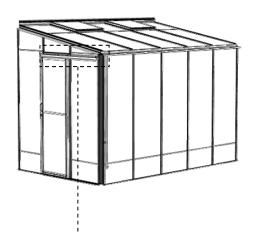


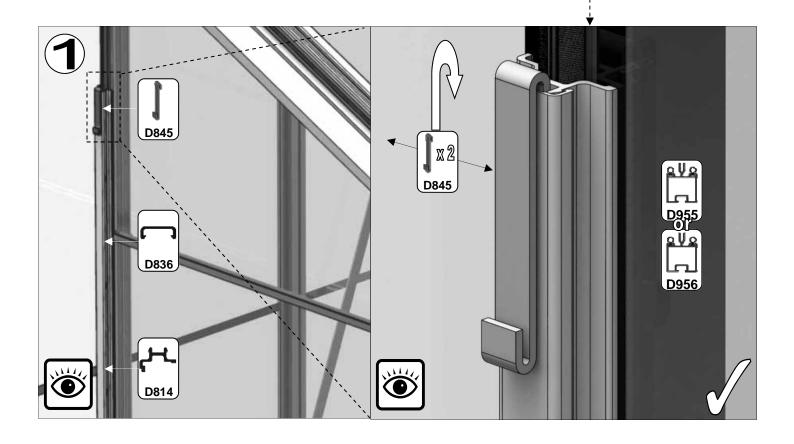


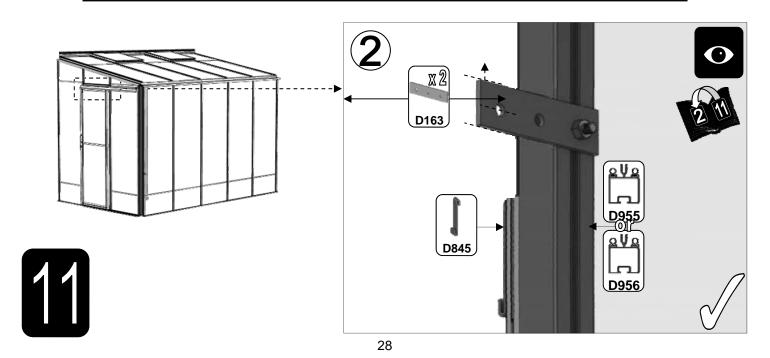


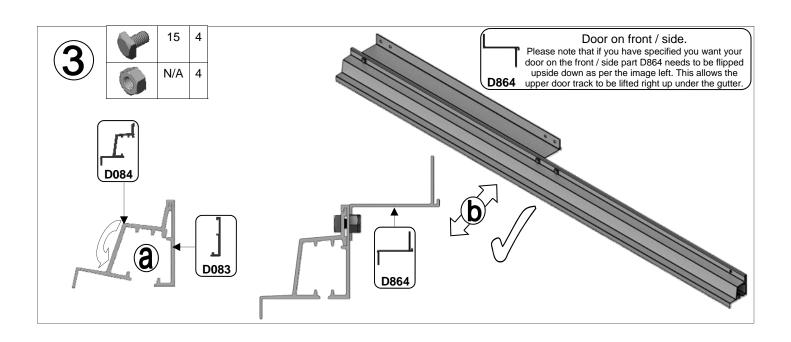
Part No		mm	Q
D864		590	1
D084	۲	1270	1
D083		1270	1

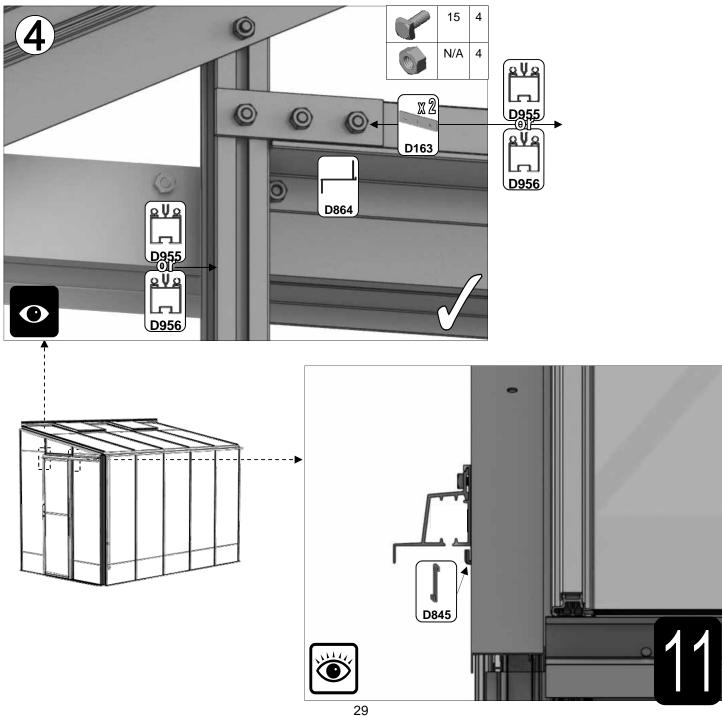
Part No		mm	Q
D163	6	90	2
D845	-		2
SY- BOLM6X15			8
SYNUTM6			8

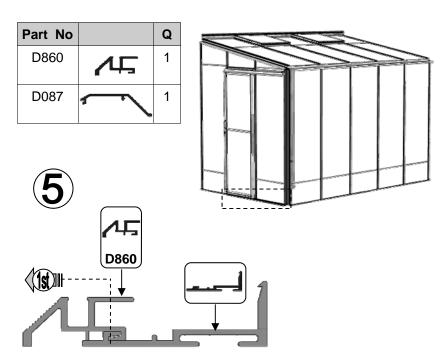


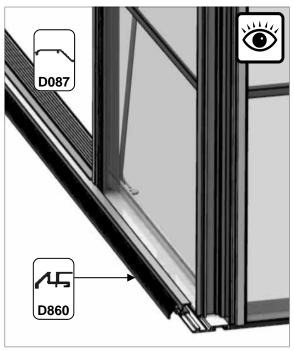


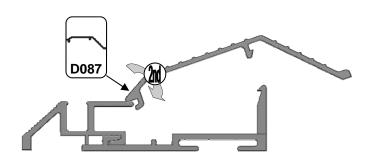


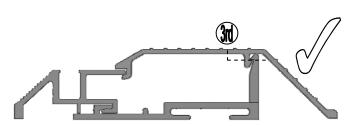


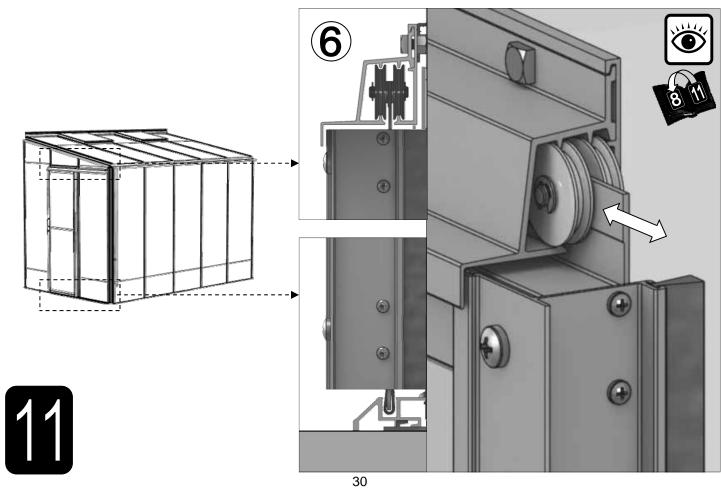


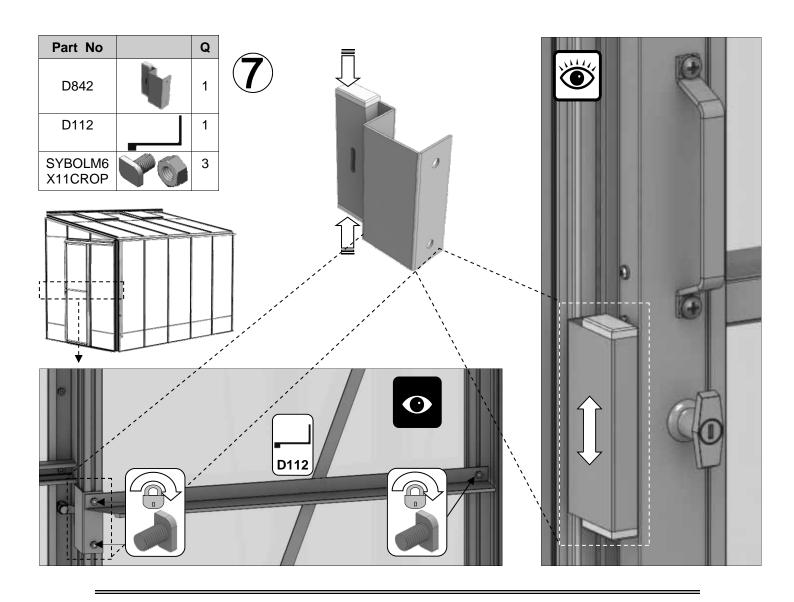


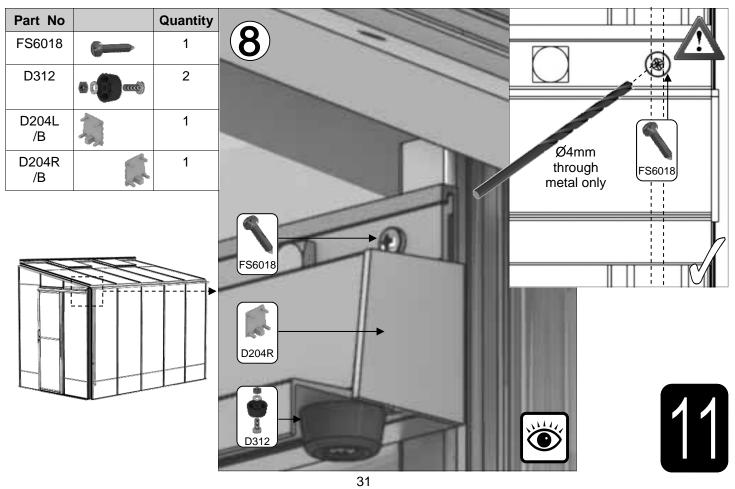




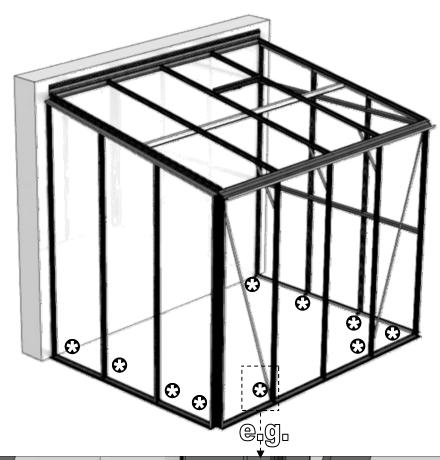


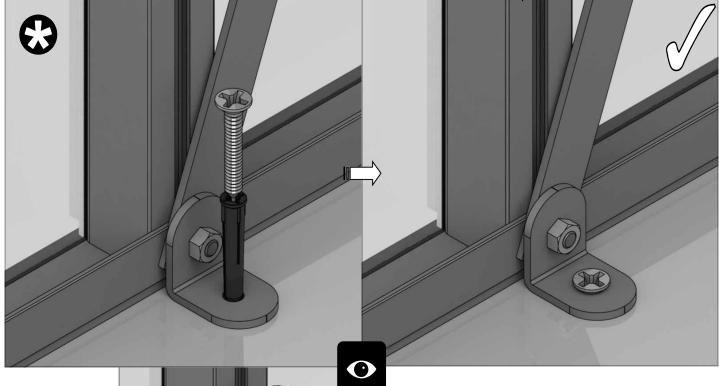






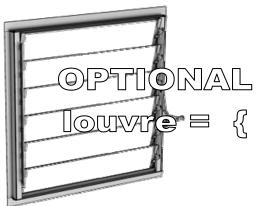






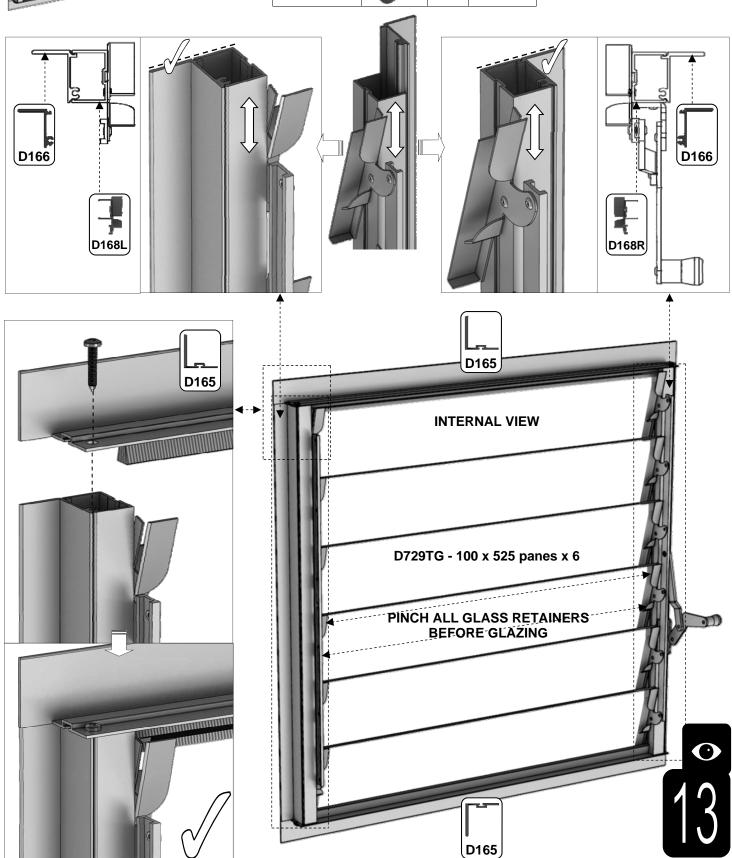


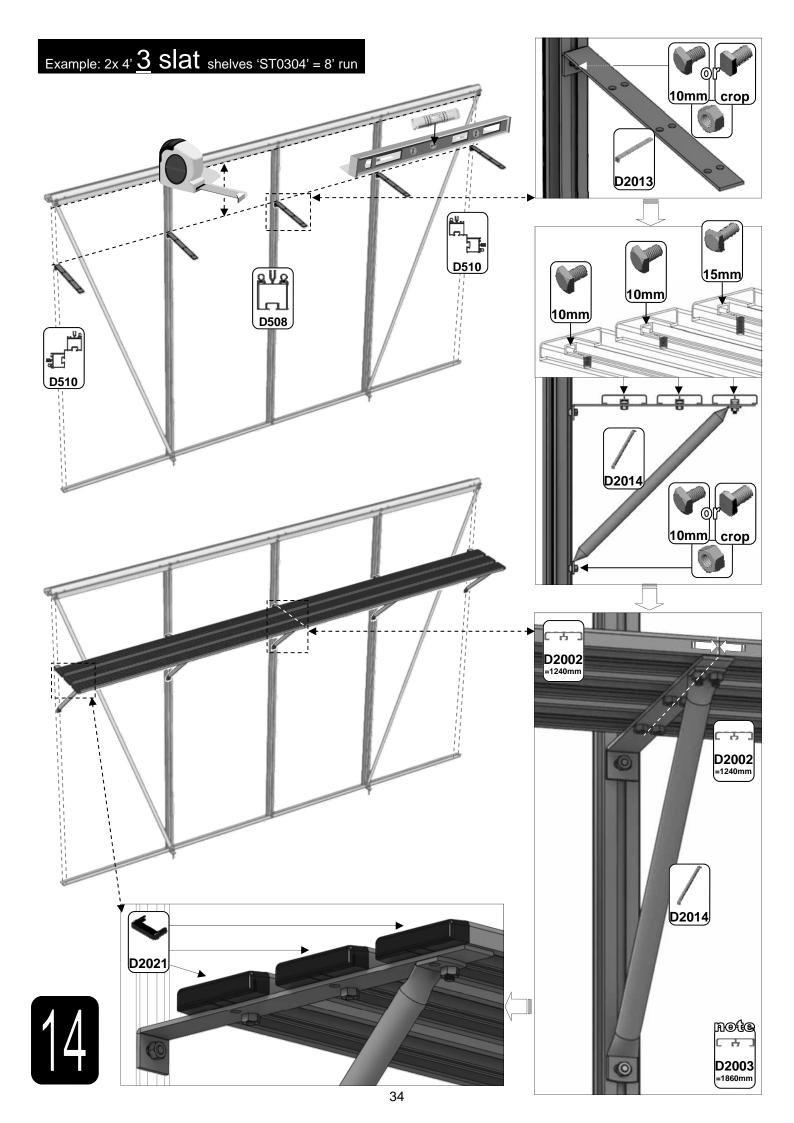


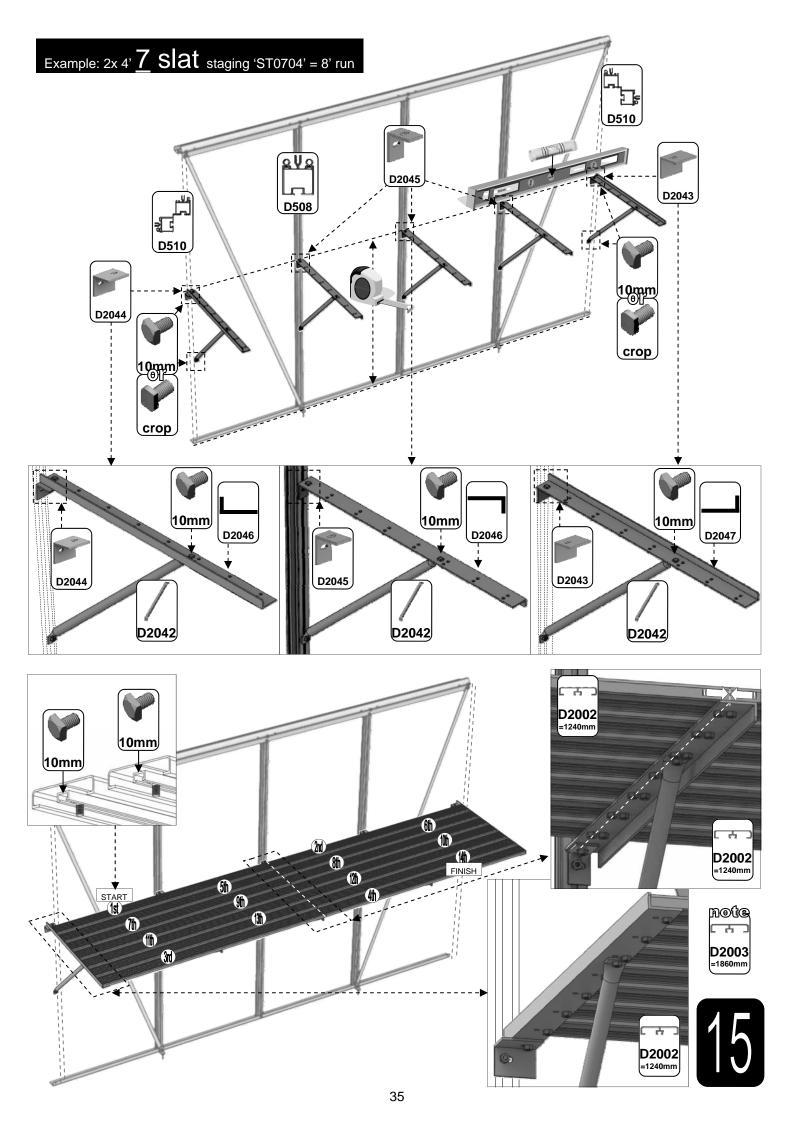


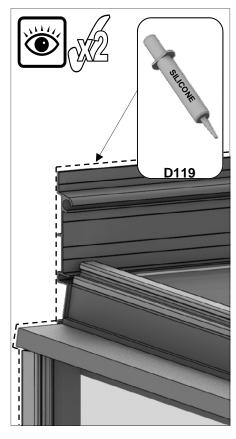
Part No		mm	Quantity
D168L	4	552	1
D168R (handle)	手丰	552	1
D165		612	2
D166	 	552	2
FS6013	6	12	4

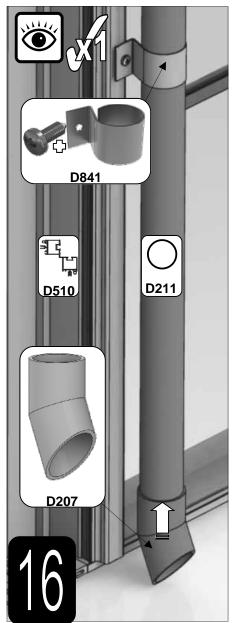


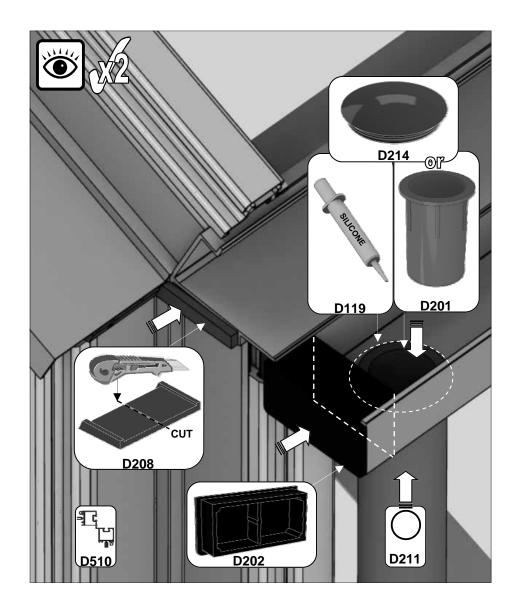


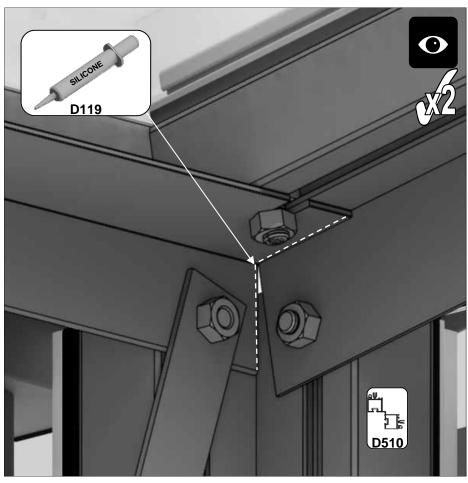






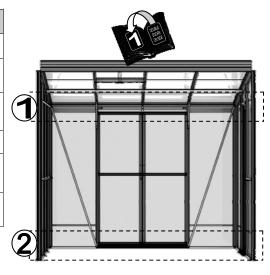


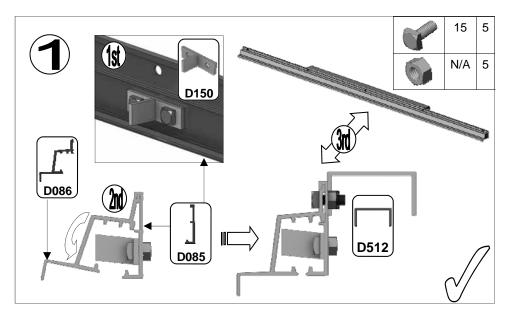


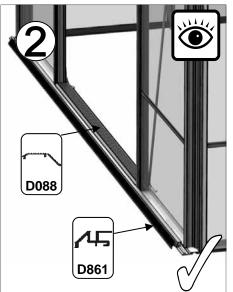


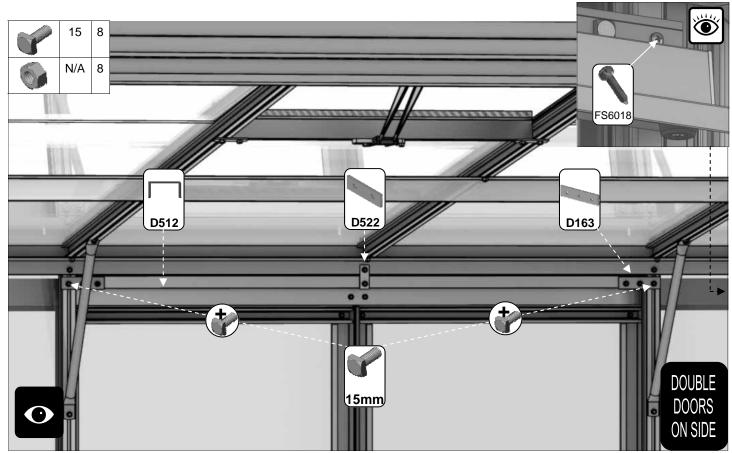
Part No		mm	Q
D512		1210	1
D086	۲۲	2510	1
D085		2510	1

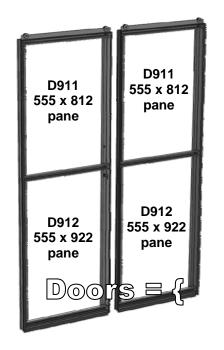
Part No		mm	Q
D522	0 0	50	1
D163		90	2
D150	20		1
D845	Ĵ		2
SY- BOLM6X15	4		13
SYNUTM6			13





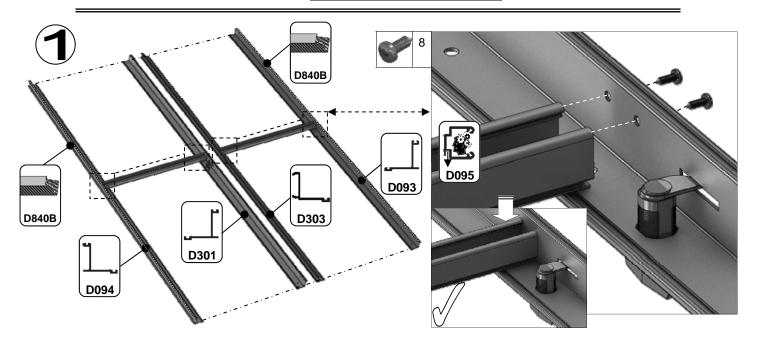


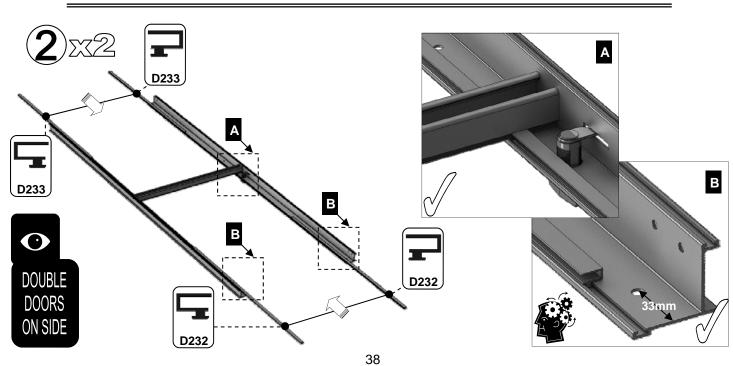


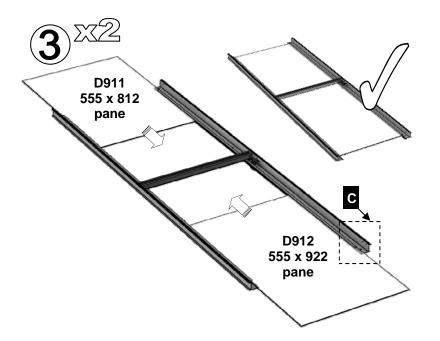


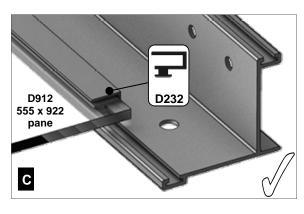
Part No		mm	Q
D094	1	1824	1
D090 + D347 lock = D301		1824	1
D092 + D156 strike = D303	\bigcup	1824	1
D093		1824	1
D096 + D217 wheel = D307		611	2
D095		611	2
D097	<u>C</u>	611	2

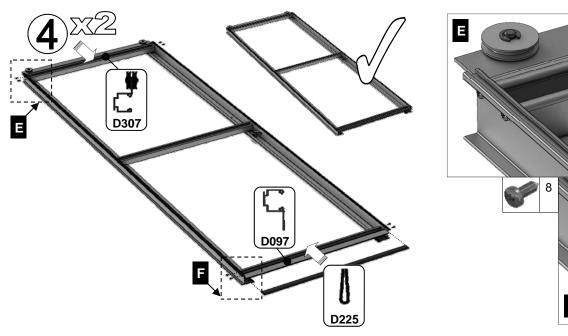
Part No		mm	Q
D232		905	4
D233	1	797	4
P053		N/A	2
D225	0	610	2
D840B		4000	1
D263		N/A	14
PACK x 2		N/A	14
D261 PACK	6	N/A	24

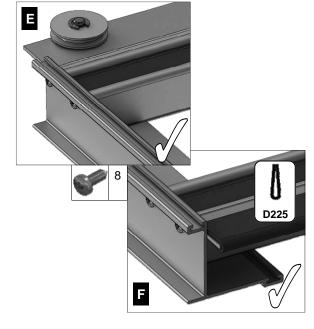


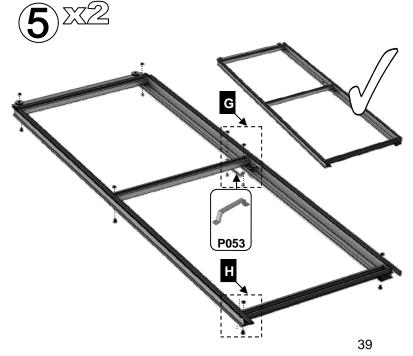


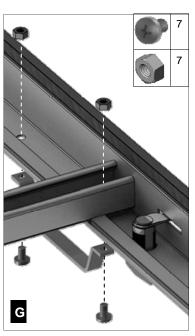














ON SIDE

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:	



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To contact Robinsons Customer Services email us at sales@robinsonsgreenhouses.co.uk or call us on 01782 385 409.

Our address is Robinsons Greenhouses, Unit 19 Blythe Park, Cresswell, Stoke-on-Trent, Staffordshire, ST11 9RD