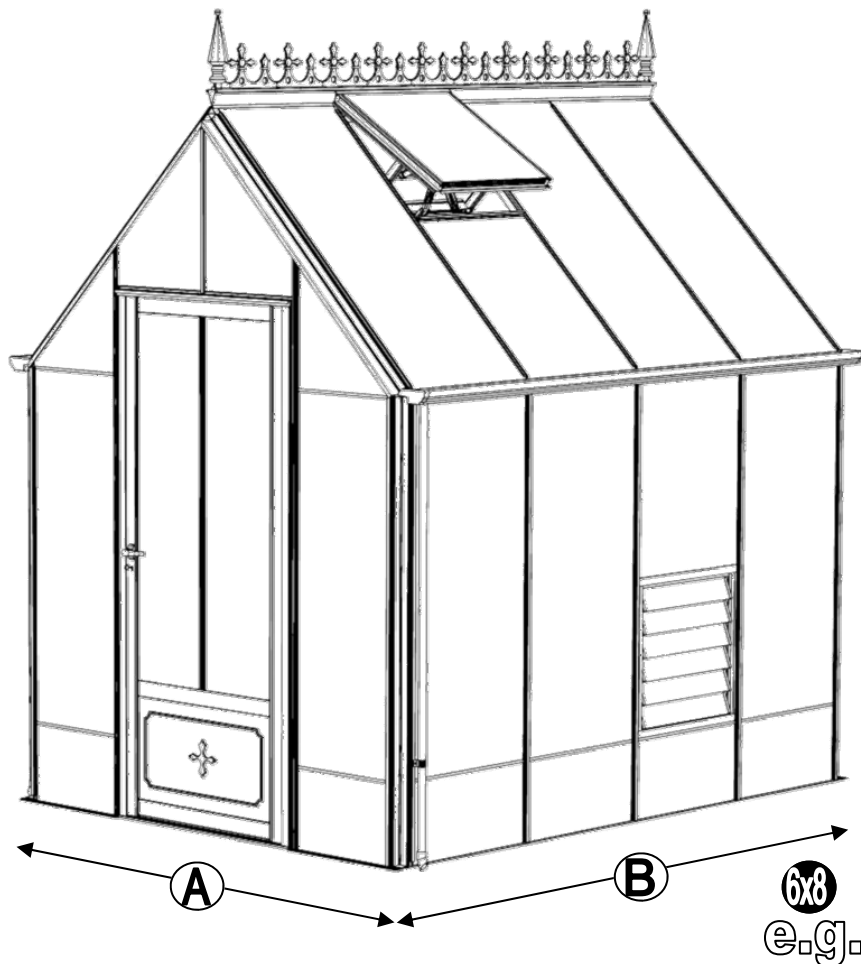


Victorian 'REPTON' 6 Assembly Instructions



NOMINAL SIZE	A (mm)	B (mm)
6 x 6	1972	2012
6 x 8		2632
6 x 10		3252
6 x 12		3872



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**-louvre, **6**-roof, **7**-vent, **8**-glazing, **9**-vent attachment, **10**-door attachment, **11** anchoring down, **12** finishing touches, **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

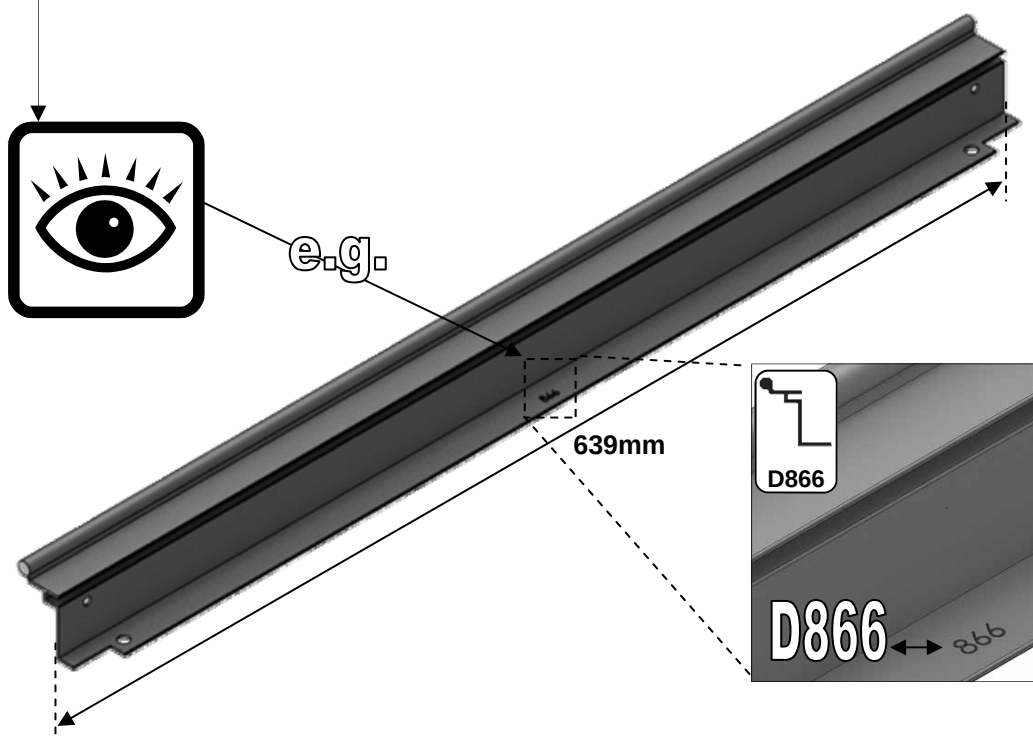
- When selecting a site for your greenhouse, it is vital that you choose as flat and level an area as possible.
- A concrete or slabbed base will provide the most solid foundation for your greenhouse.
- **IMPORTANT:** Do **not** fix your building down until the building is fully assembled, including 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. Some parts are numbered and can be identified by a stamped or hand written number (without the 'D'). Alternatively, 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 pivot pins / lock etc... .

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.



KEY SYMBOL	KEY DESCRIPTION
	EXTERNAL VIEW
	INTERNAL VIEW
	THINK
	THIS SECTION RELATES TO ANOTHER (e.g. 1 to 5)
	CORRECT
	DO NOT FIX DOWN!
	TWIST TO LOCK
	TIGHTEN
	PUSH AND HOLD
	CUT TO LENGTH

SECTION No	TITLE	ASSEMBLY SYNOPSIS: IMPORTANT INFORMATION / CONSIDERATIONS
B P 1 2 3 4 5 6 7a 7b 8 9 10 11 12 13 14	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..
	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. Please be aware that the hinge door on your greenhouse opens inwards, make sure that there will be no interference between the door and the foundations.
	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.
	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 bolt slides into each glazing bar during construction). Please also remember to slide in your 22mm bolts for attaching the decorative eave spandrels 'DV100' in section 5.
	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 4 and 5. 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).
	REAR	
	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.
	LOUVRE	They attach to the building during the glazing process (8) like a piece of glass with a black separator above and below them. If you are fitting an optional auto-louvre then you need to carefully drill (3mm bit) out the rivets which mount the handle to the frame. You can then either utilise those holes or create more to mount the unit.
	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. Attach your cresting before you glaze the building to give yourself more room to work. Utilise the 22mm bolts slid into the side (section 1) and roof bars to attach your DV100 and DV101 spandrels.
	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.
	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).
	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 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. 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. <u>IMPORTANT</u> : On the roof sections please make sure that you place a screw around 25mm / 1" from the bottom of each capping strip (create a hole in the plastic if required) and that the screws are nice and tight to avoid any glass slippage.
	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). Attach the Bayliss XL autovents.
	DOOR ATTACHMENT	Your door comes pre-constructed and locked minus the handles and their pivot pin but now it needs to be mounted to the front end of your building. Utilise the 'DV522' plates and twist in crop headed bolts to join the door and its frame to the building (pinch the door frame against your long front verticals whilst tightening your 'DV522' plates to ensure that there is no gap). If you are struggling to eradicate the gap between the door frame and verticals then some silicone can be carefully applied to the area to create a vertical seal. Be careful not to lock yourself in the building and to avoid damage do not open the door until it is attached to the front gable. Getting the door to swing perfectly without dropping or rubbing on the ground may require some small but vital adjustments. You may also need to insert a packer underneath the door frame hinge to increase ground clearance. Part 'DV275' canopies the door frame top hiding the clearance space at the top of the door. The door can only be made to swing inwards. <u>IMPORTANT</u> : Please do NOT let the door slam open or closed as it is likely to cause damage to the door and the frame. Please twist the handle to open and close. Please also be aware that your door KEYS (3 provided) are unique to the building so they should not be stored together.
	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.
	FINISHING TOUCHES	Now that the main body of the structure is complete you can add; downpipe fittings, eave bungs, gutter stop ends. It is also important to carefully apply some silicone to the internal eaves corners and external and internal ridge corners to minimise the chance of water entering the structure.
	OPTIONAL SHELVEING	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 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'. These slats can combine to create any length of staging required, i.e. 4'+6' = 10' etc...
	OPTIONAL STAGING	

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

1	D043		1894	2			
	D021		2514		2		
	D022		3134			2	
	D023		3754				2
	DV213		1897	2			
	DV210		2517		2		
	DV211		3137			2	
	DV212		3757				2
	D103		1787	4			
	D066		1676	4	6	8	10
	RUBBER		1000 (1m)	14	21	27	34
	D174		N/A	4	4	8	8

Victorian

Section Ref	Part No.	Section	Size (mm)	6 6	6 8	6 10	6 12
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2 +	DV104		N/A	4			
	DV105		N/A	2			
	RUBBER		1000 (1m)	44			
	D163		90	2			
	D174		N/A	7			

6	DV204		1897	1			
	DV201		2517		1		
	DV202		3137			1	
	DV203		3757				1
	DV253		1345	4	6	8	10
	RUBBER		1000 (1m)	11	17	22	27

2 +	DV230		1984	1			
	DV224L		540	1			
	DV224R			1			
	D048		1676	4			
	DV233L		2173	2			
	DV233R			2			
	DV260		2612	1			
	DV269		468	2			
	DV272		1840	1			
	DV290		1679	4			
	DV250L		1345	2			
	DV250R			2			
	D671		610	1			
	DV275		904	1			

7	D866		639	2	2	4	4
	D863L		613	2	2	4	4
	D863R		613	2	2	4	4
	D862		593	2	2	4	4
	D079 PLUS FLUFF		590	2	2	4	4
	D114		N/A	4	4	8	8
	D220 PLUS FS6060 SCREW		N/A	4	4	8	8
	D205		N/A	4	4	8	8

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

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

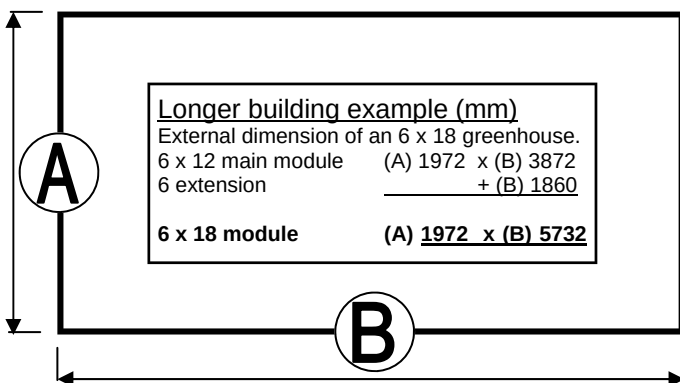
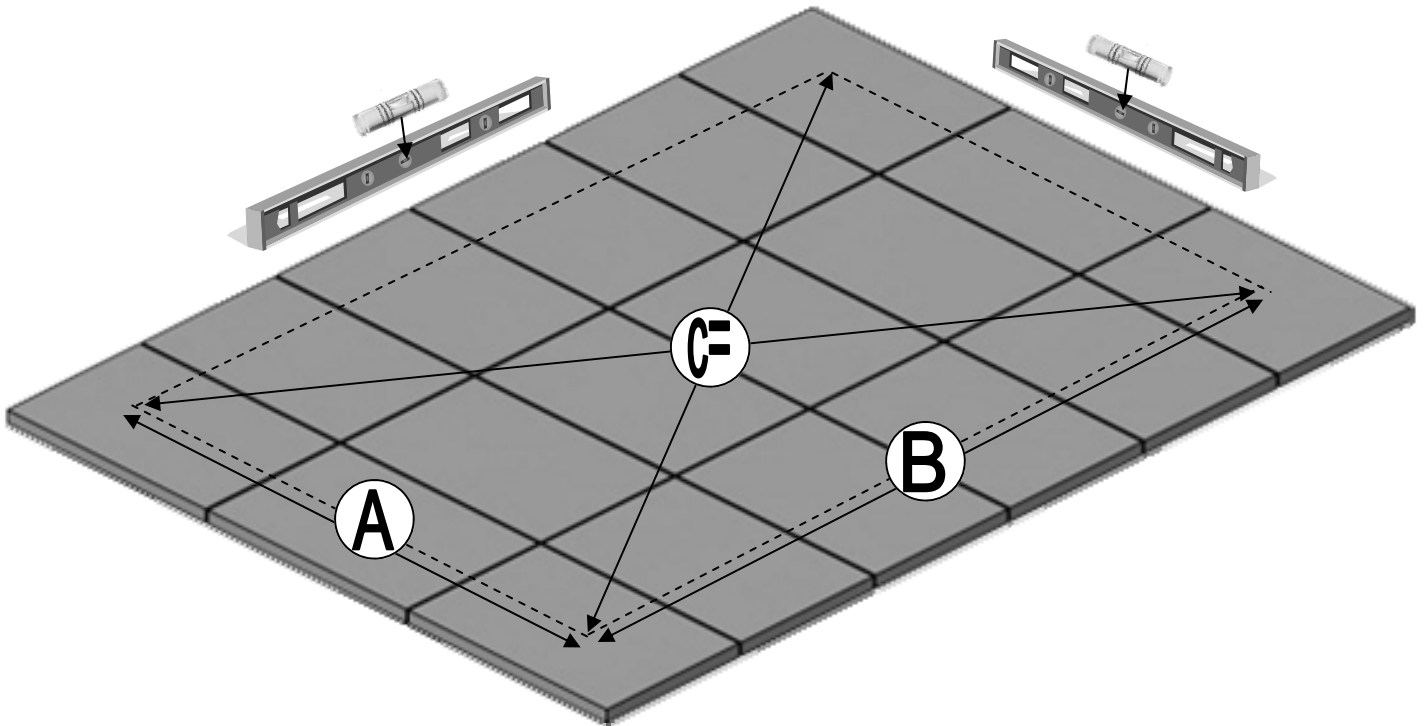
It is essential that the **BASE IS FLAT, LEVEL AND SQUARE AS WELL AS BEING SUBSTANTIAL** enough to take the weight of the greenhouse including its 4mm glass.

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.



Longer building example (mm)

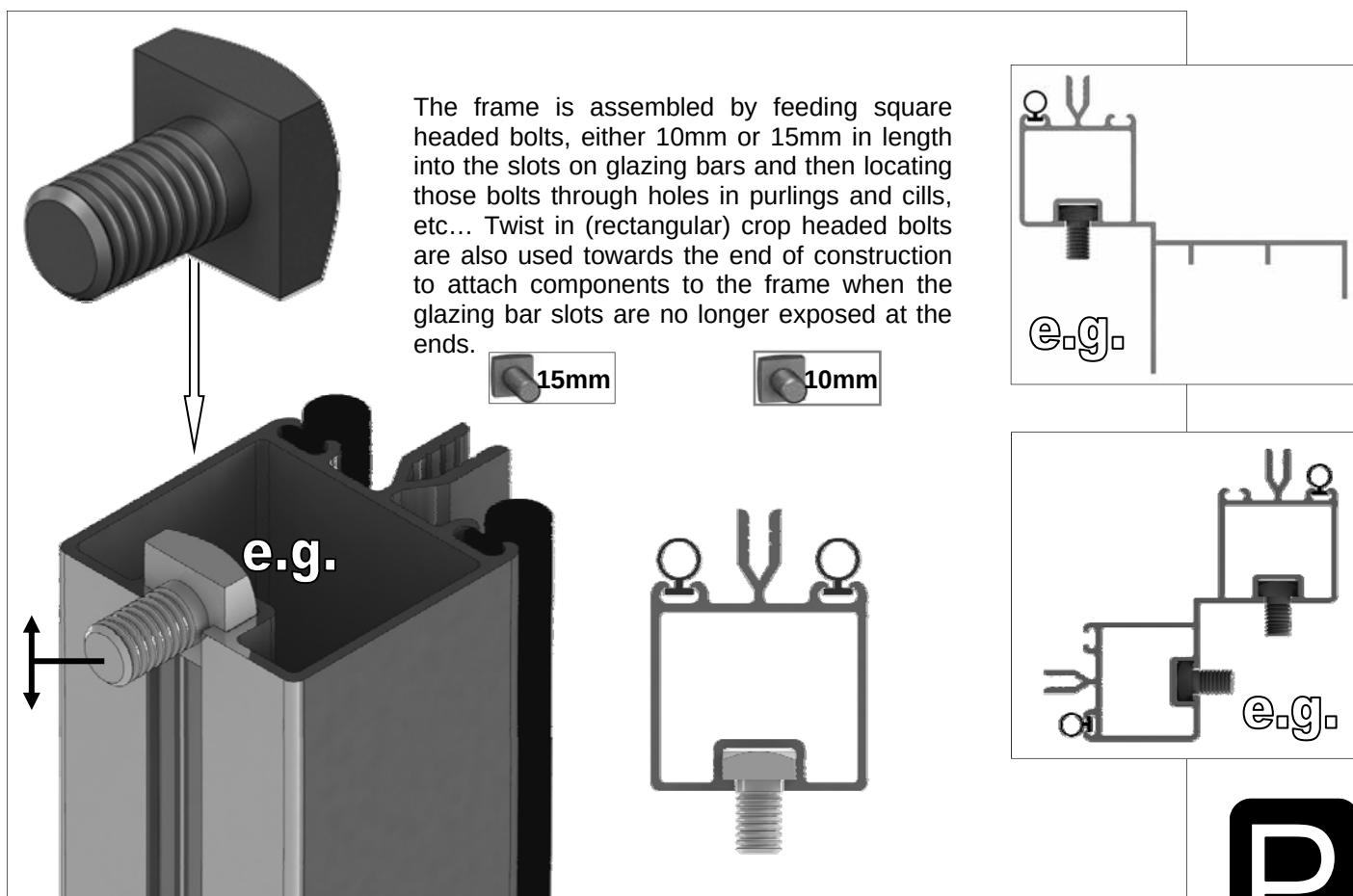
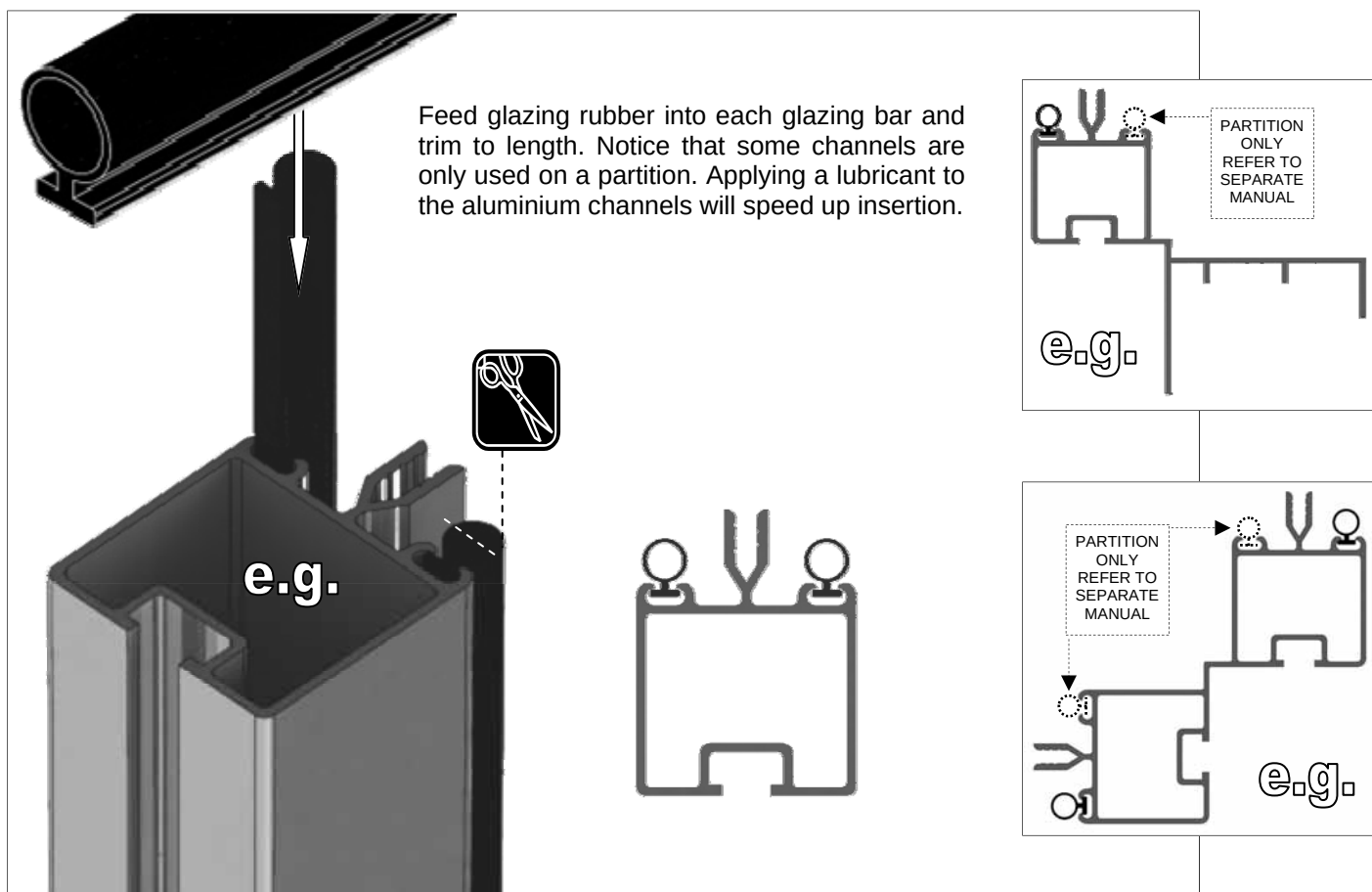
External dimension of an 6 x 18 greenhouse.
6 x 12 main module (A) 1972 x (B) 3872
6 extension + (B) 1860

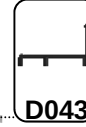
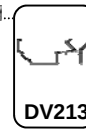
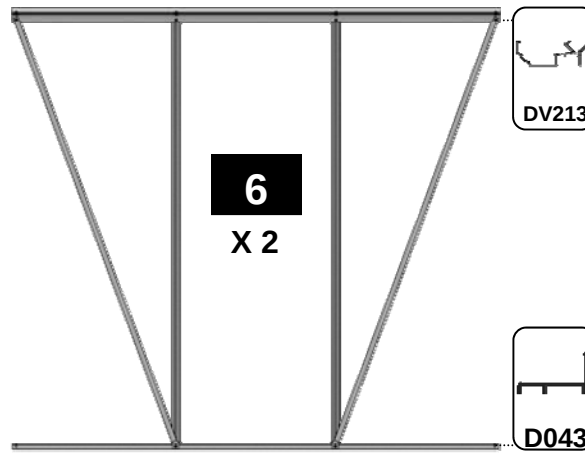
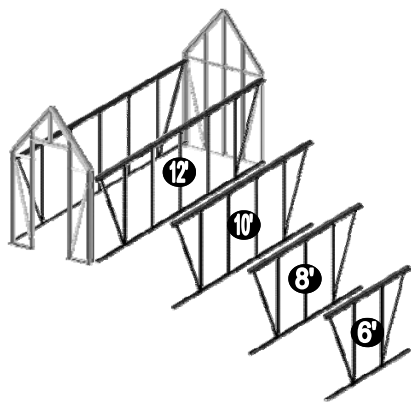
6 x 18 module (A) 1972 x (B) 5732

EXTERNAL DIMENSIONS (mm)

Model sizes listed are **nominal**,
use 'mm' measurements.
i.e.: an 6 x 10 is the model 6'6" x 10'8"

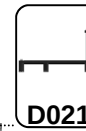
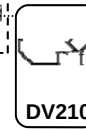
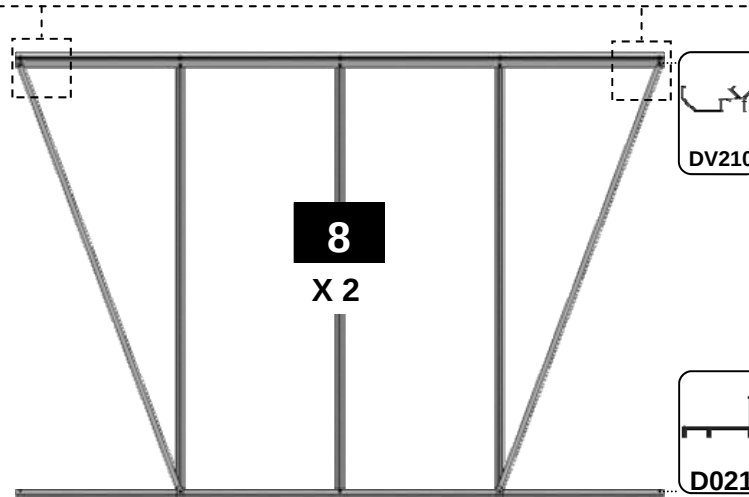
MODEL		A (mm) WIDTH	B (mm) LENGTH	C (mm) DIAGONAL
6 REPTON VICTORIAN	6 x 6	1972	2012	2817
	6 x 8		2632	3289
	6 x 10		3252	3803
	6 x 12		3872	4345
EXTENSIONS	6ft ext.	-	1860	-
	8ft ext.	-	2480	-
	10ft ext.	-	3100	-
	12ft ext.	-	3720	-





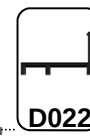
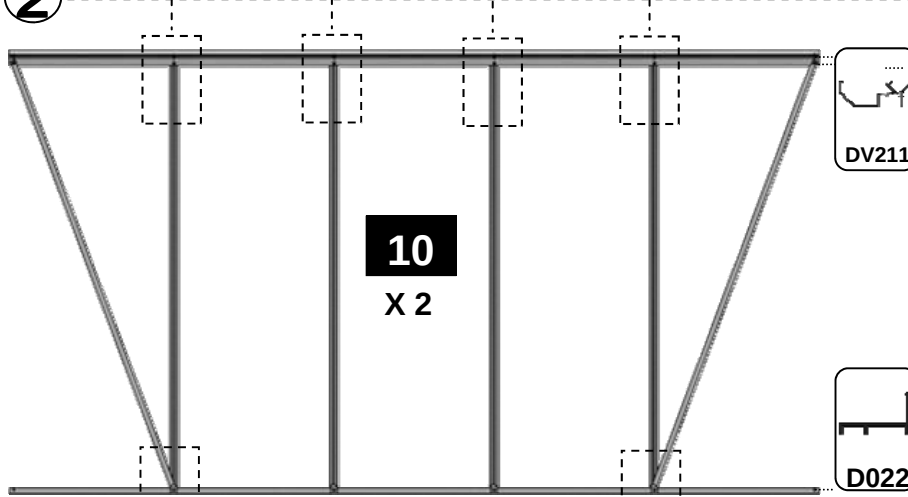
6 X 2		
Part No	mm	Quantity
DV213	1897	2
D043	1894	2
D066	1676	4
D103	1787	4
D174		4
SYBOLM6X11		4
SYBOLM6X15		8
SYBOLM6X22		8
SYNUTM6		12
Rubber	1000	14

e.g. ①



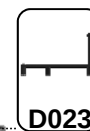
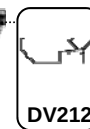
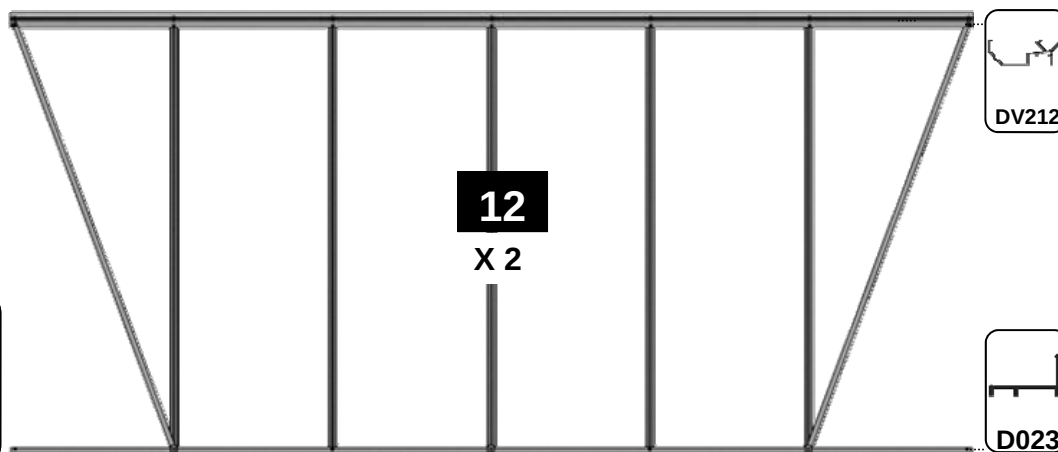
8 X 2		
Part No	mm	Quantity
DV210	2517	2
D021	2514	2
D066	1676	6
D103	1787	4
D174		4
SYBOLM6X11		6
SYBOLM6X15		10
SYBOLM6X22		12
SYNUTM6		16
Rubber	1000	21

e.g. ②

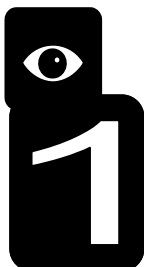


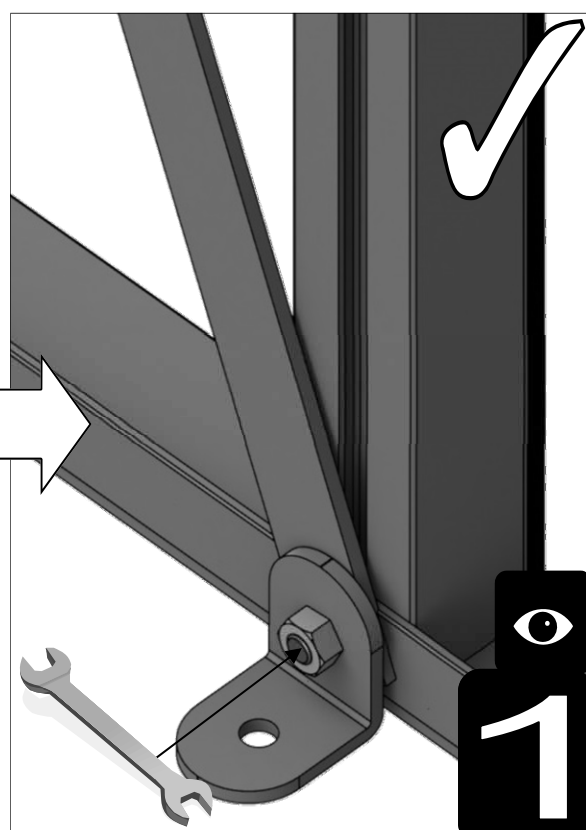
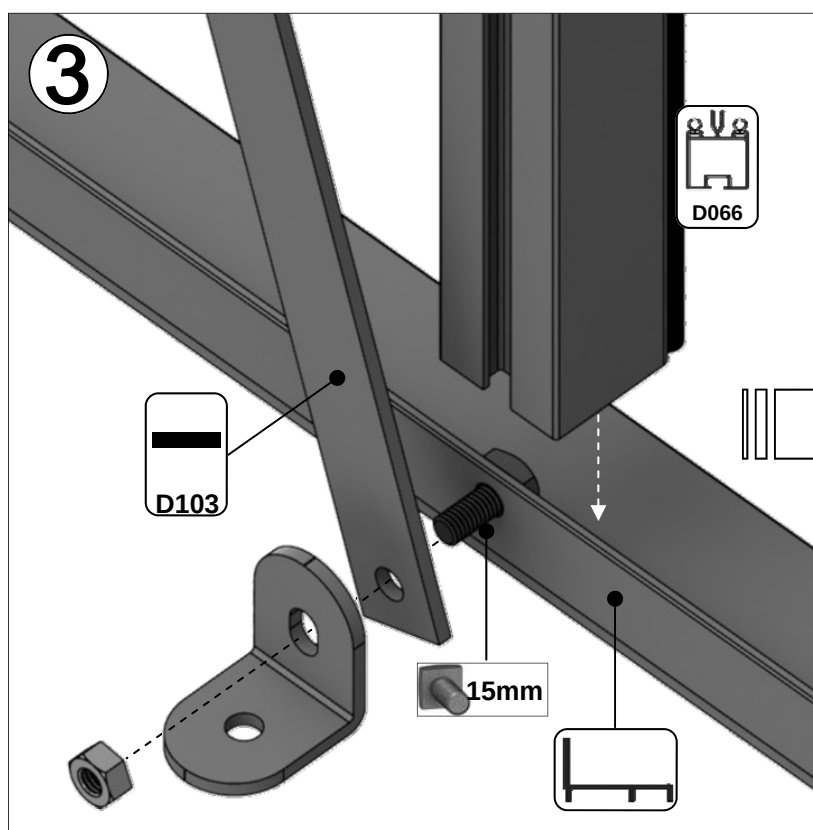
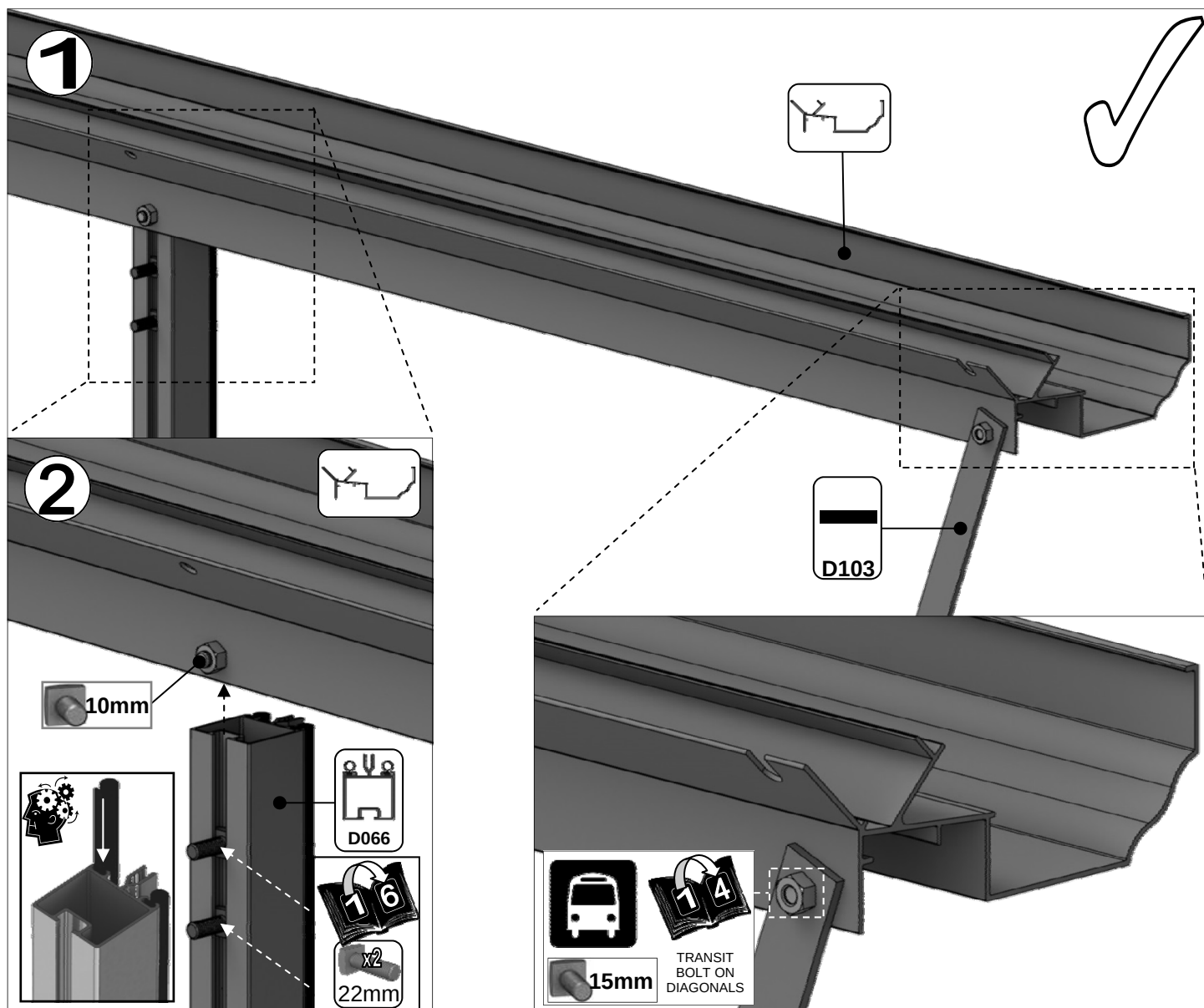
10 X 2		
Part No	mm	Quantity
DV211	3137	2
D022	3134	2
D066	1676	8
D103	1787	4
D174		8
SYBOLM6X11		8
SYBOLM6X15		12
SYBOLM6X22		16
SYNUTM6		20
Rubber	1000	27

e.g. ③

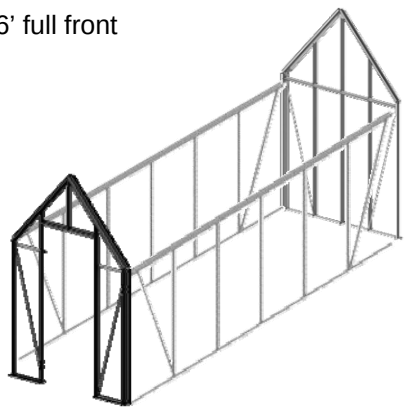


12 X 2		
Part No	mm	Quantity
DV212	3757	2
D023	3754	2
D066	1676	10
D103	1787	4
D174		8
SYBOLM6X11		10
SYBOLM6X15		14
SYBOLM6X22		20
SYNUTM6		24
Rubber	1000	34



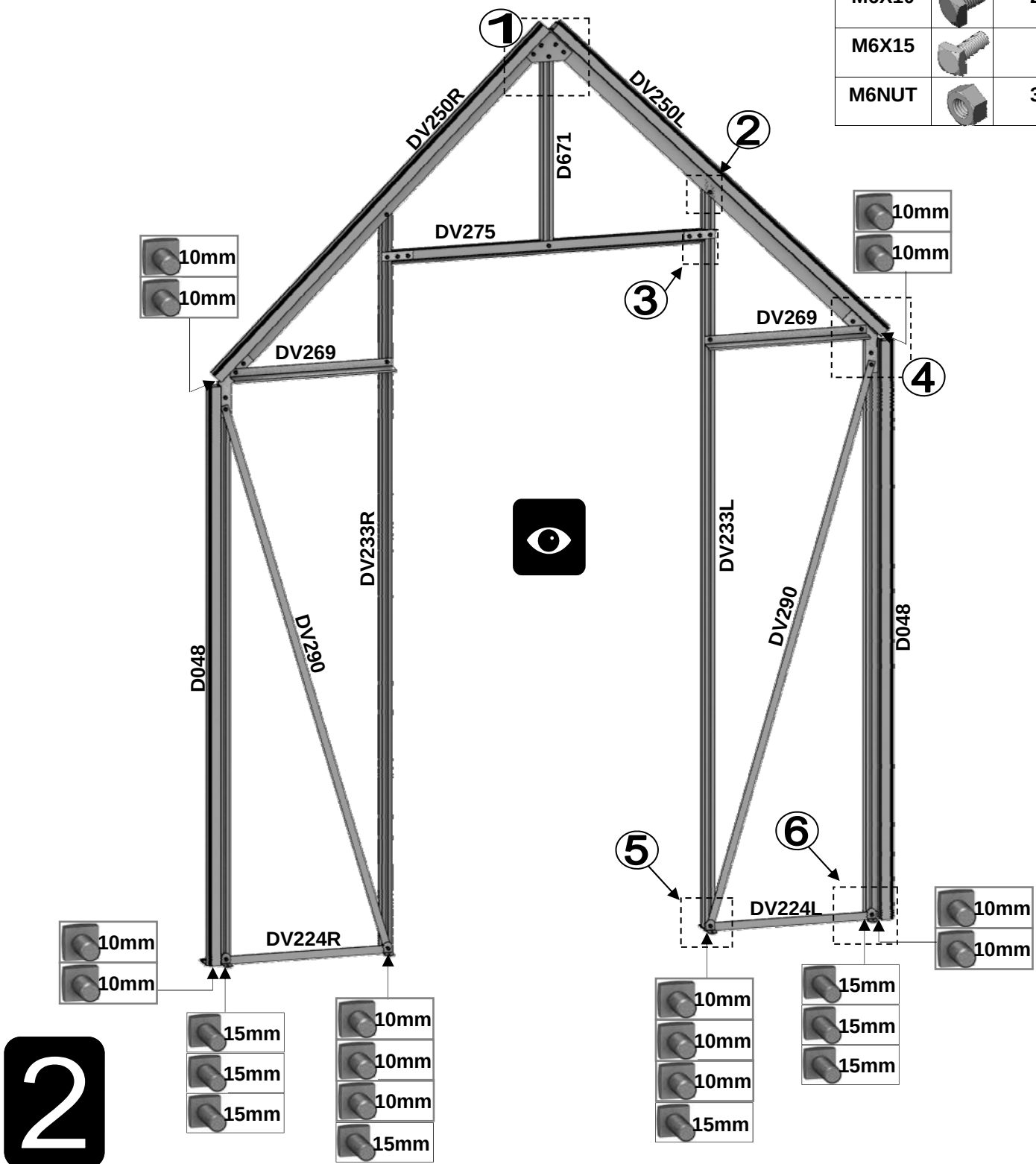


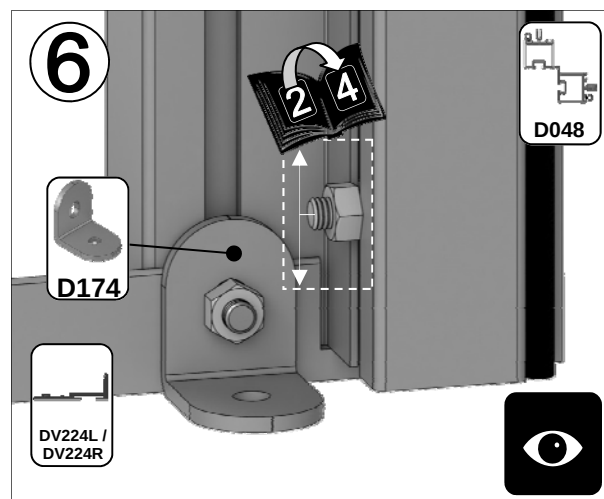
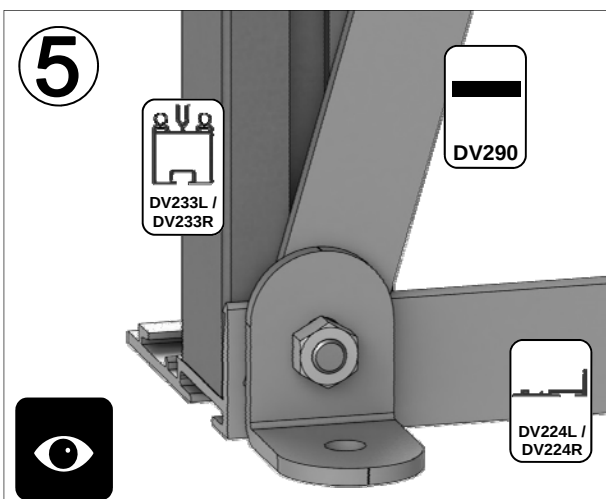
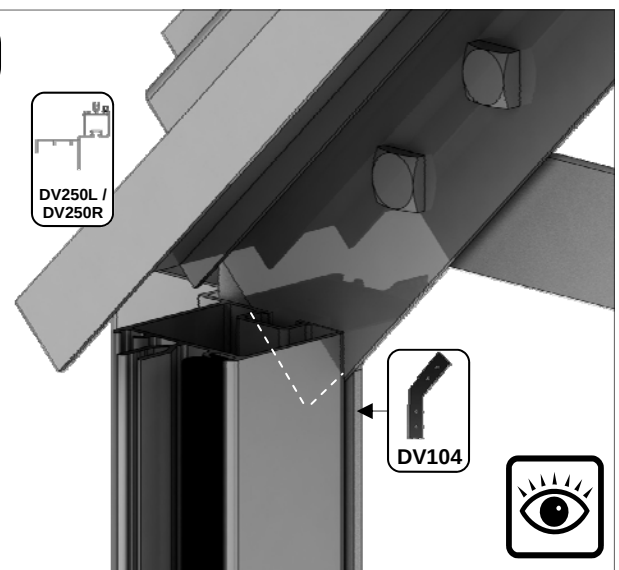
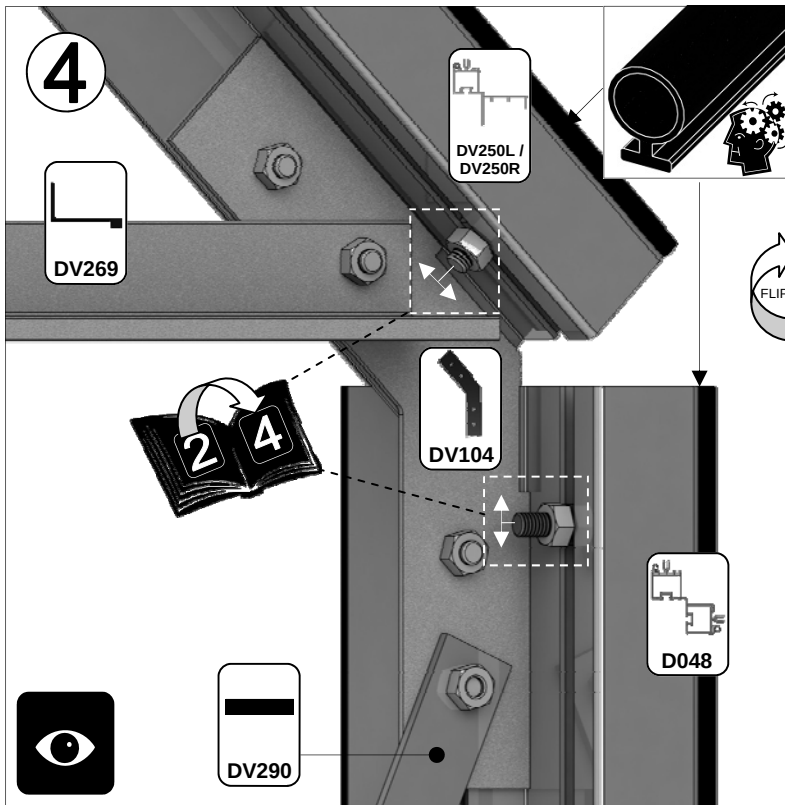
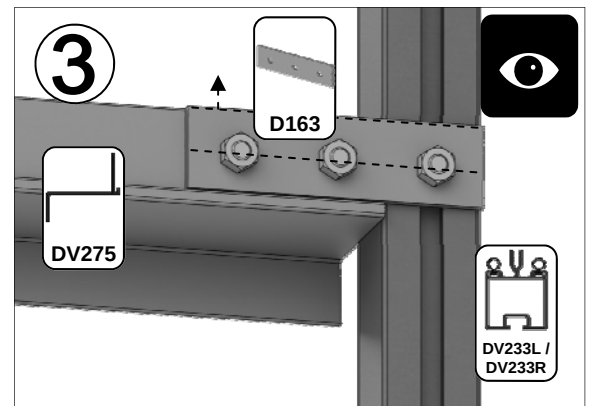
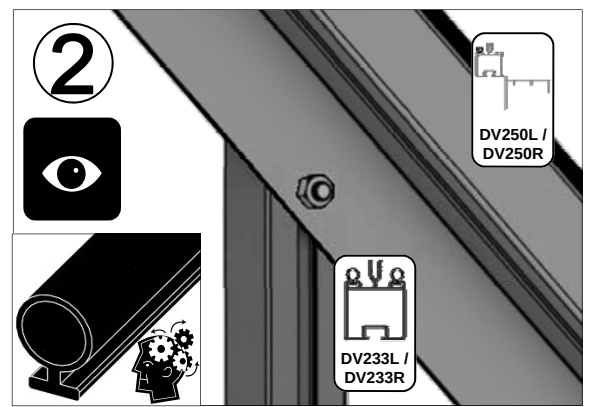
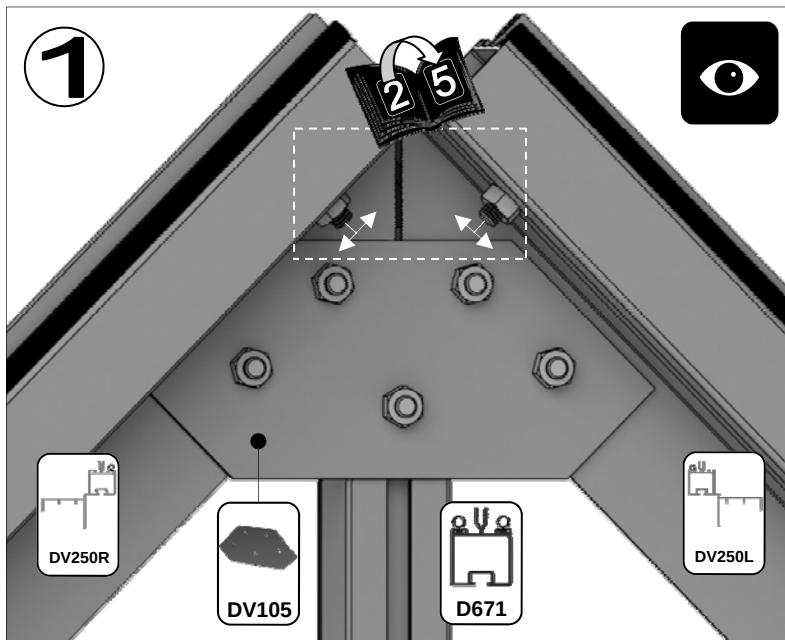
6' full front



Part No	mm	Quantity
D671	610	1
D048	1676	2
DV224L	540	1
DV224R	540	1
DV233L	2173	1
DV233R	2173	1
DV250L	1345	1
DV250R	1345	1

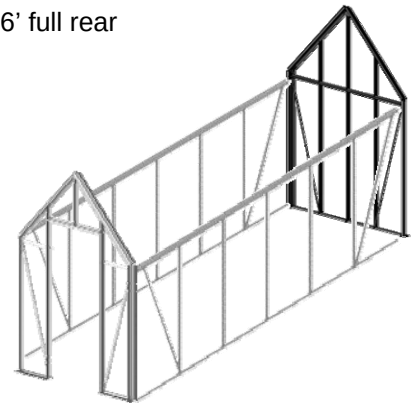
Part No	mm	Quantity
DV269	468	2
DV275	904	1
DV290	1679	2
DV104		2
DV105		1
D163		2
D174		4
D227		20
M6X10		28
M6X15		8
M6NUT		36





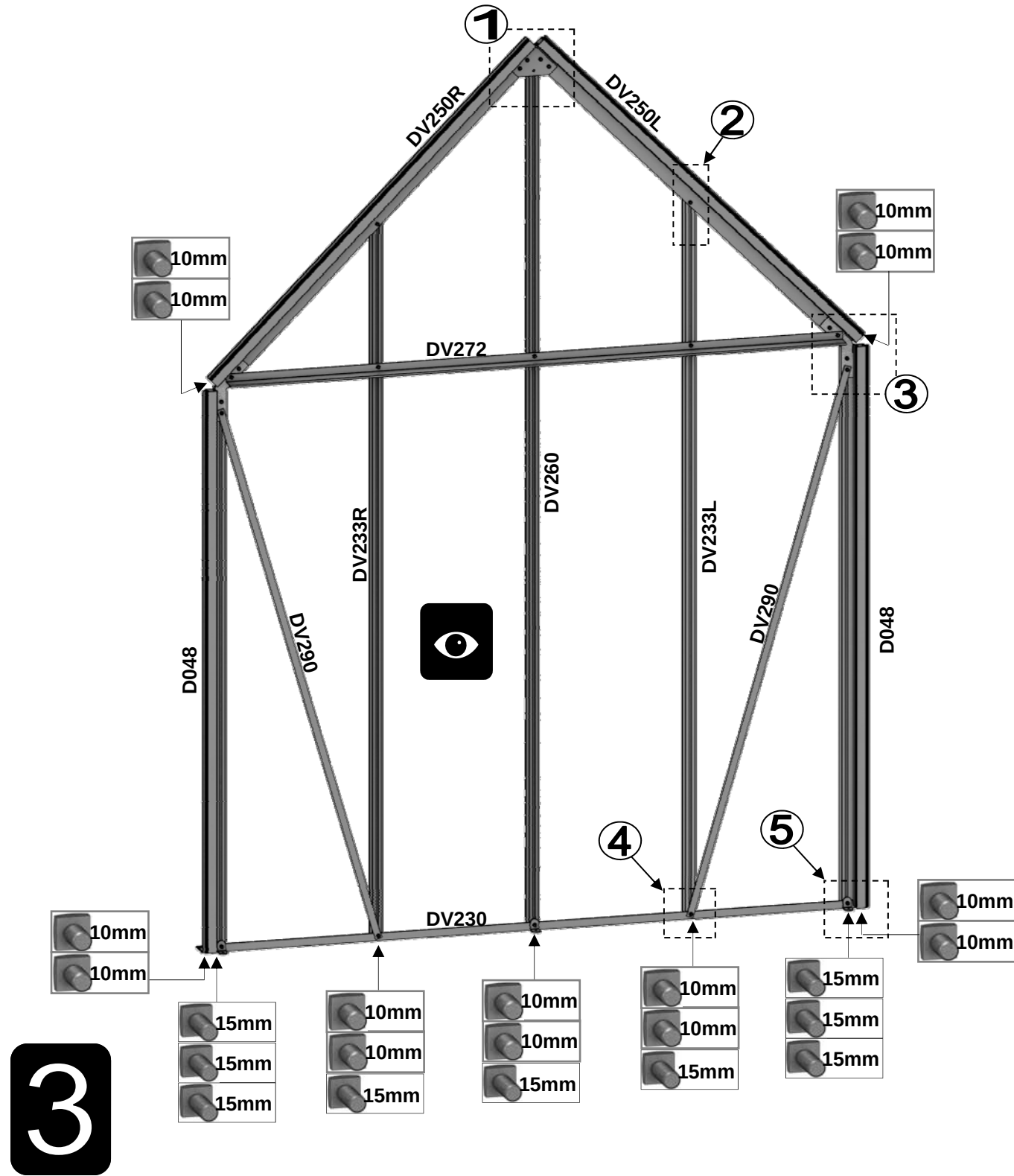
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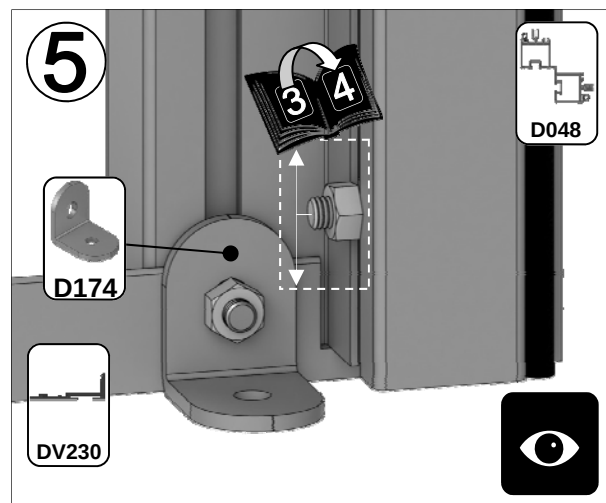
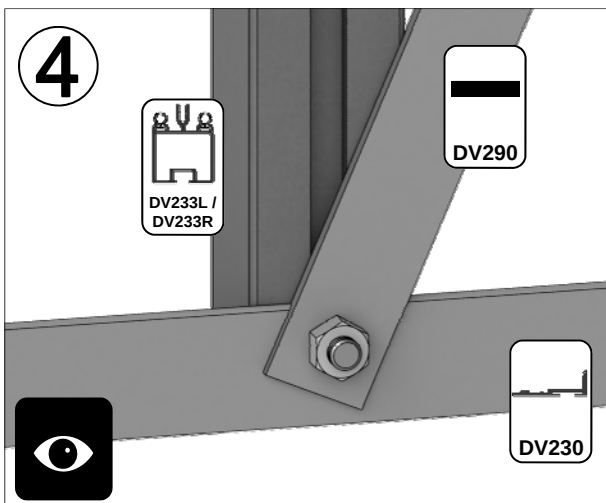
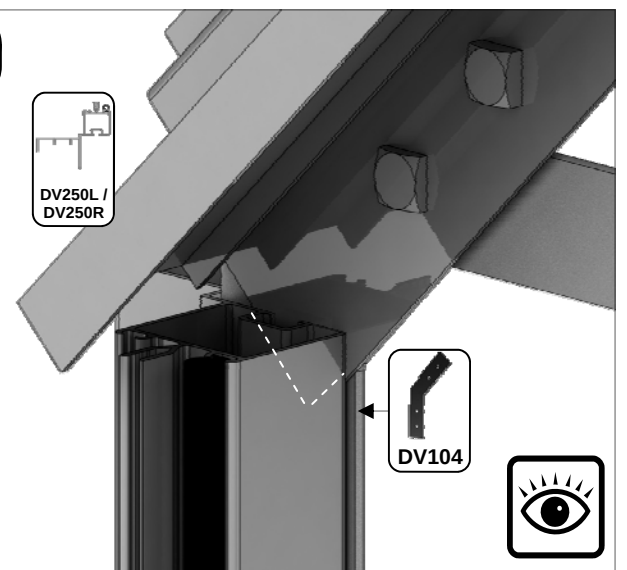
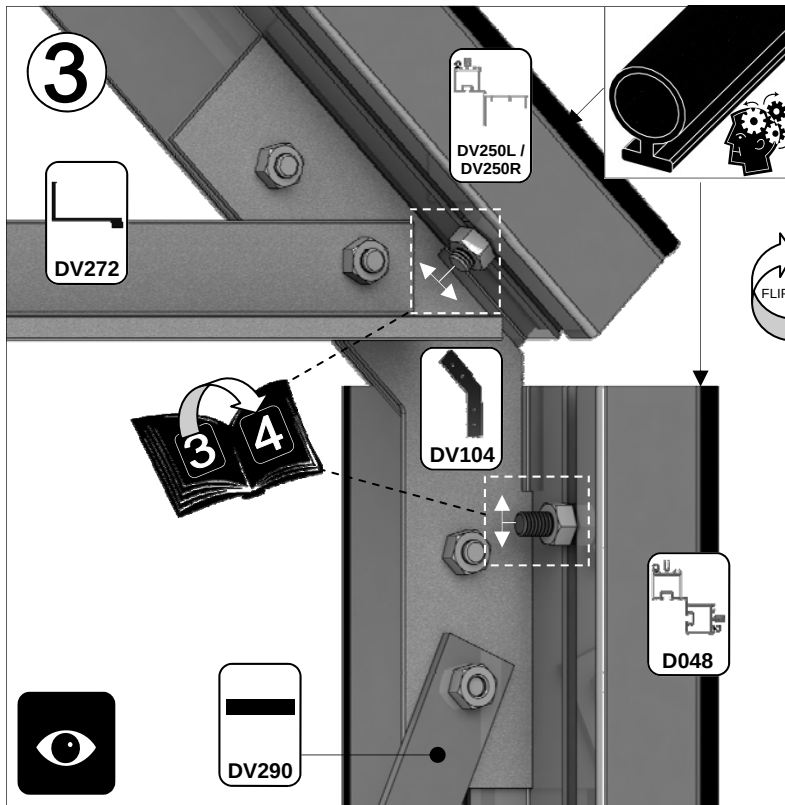
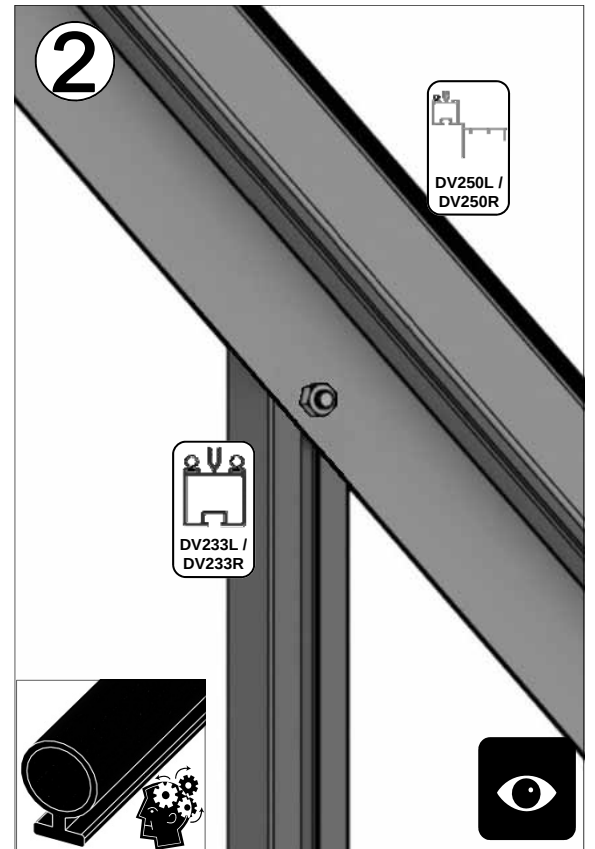
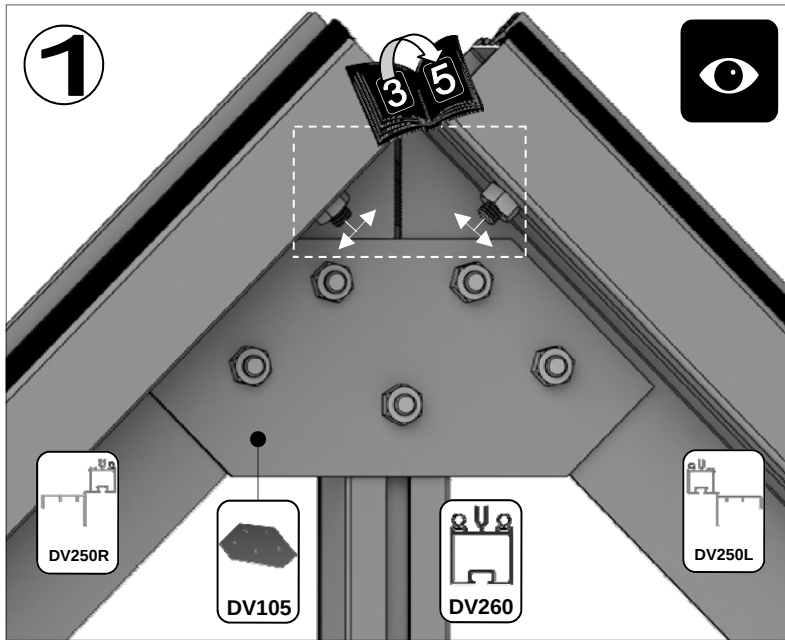
6' full rear



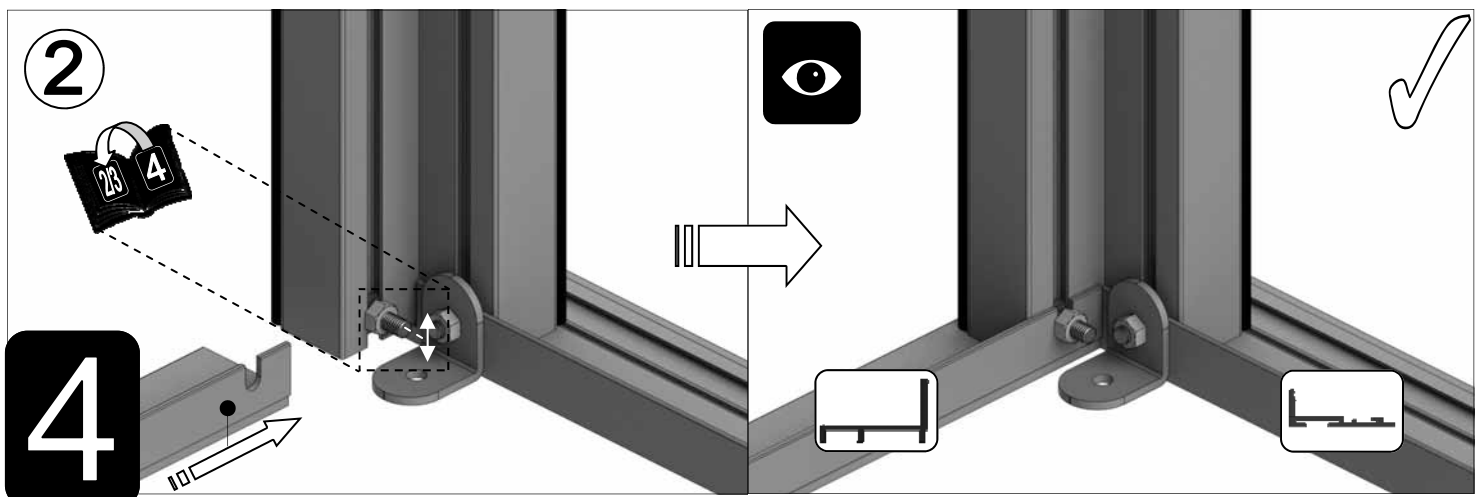
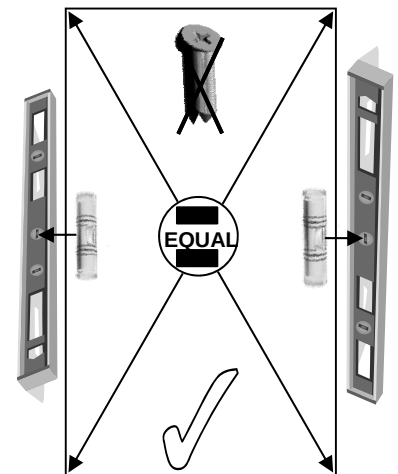
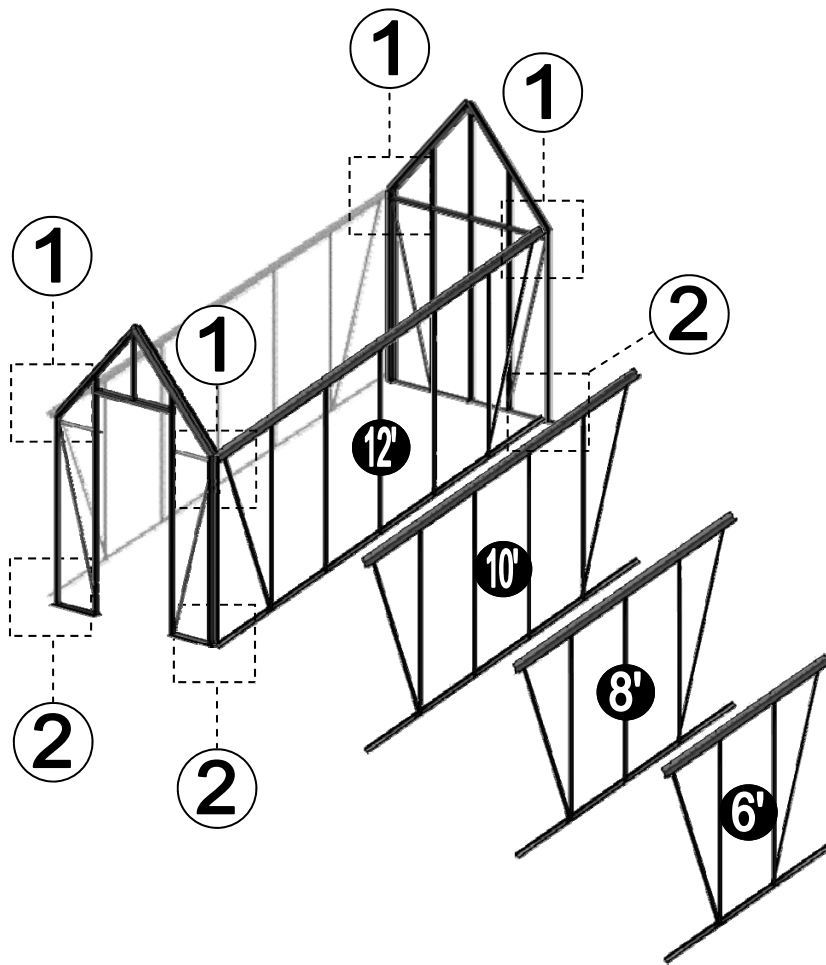
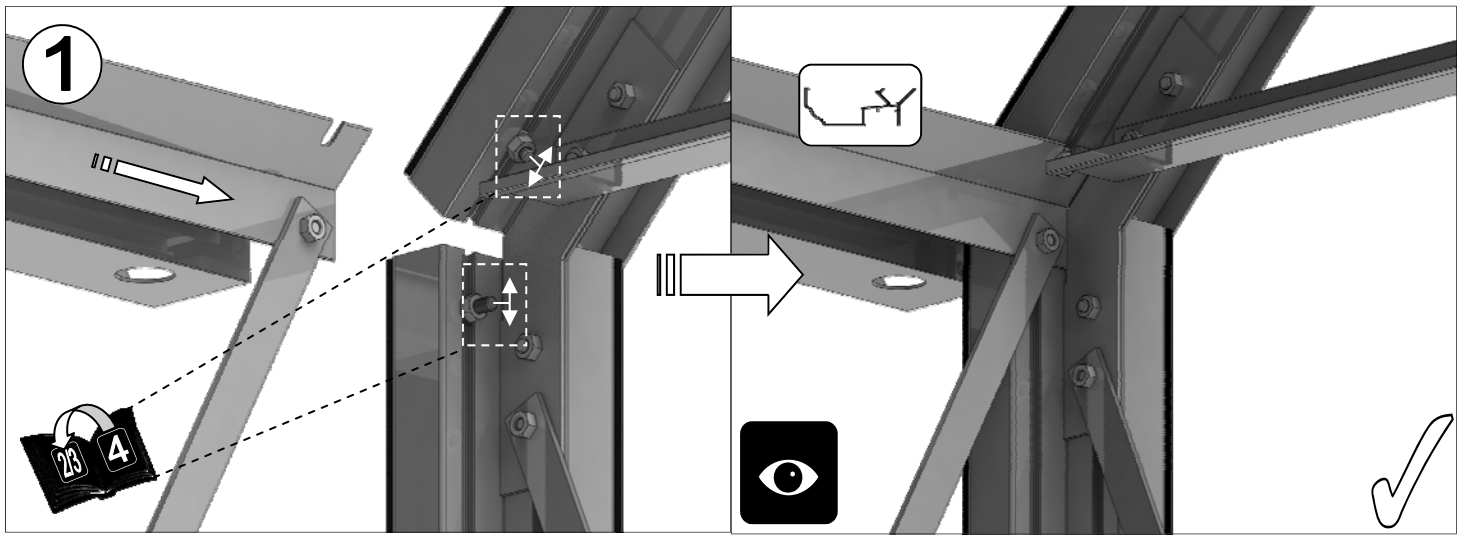
Part No	mm	Quantity
D048	1676	2
DV230	1984	1
DV233L	2173	1
DV233R	2173	1
DV250L	1345	1
DV250R	1345	1
DV260	2612	1
DV272	1840	1
DV290	1679	2

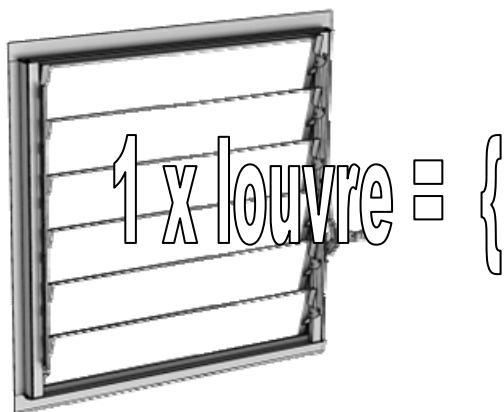
Part No	mm	Quantity
DV104		2
DV105		1
D174		3
D227		24
M6X10		25
M6X15		9
M6NUT		34



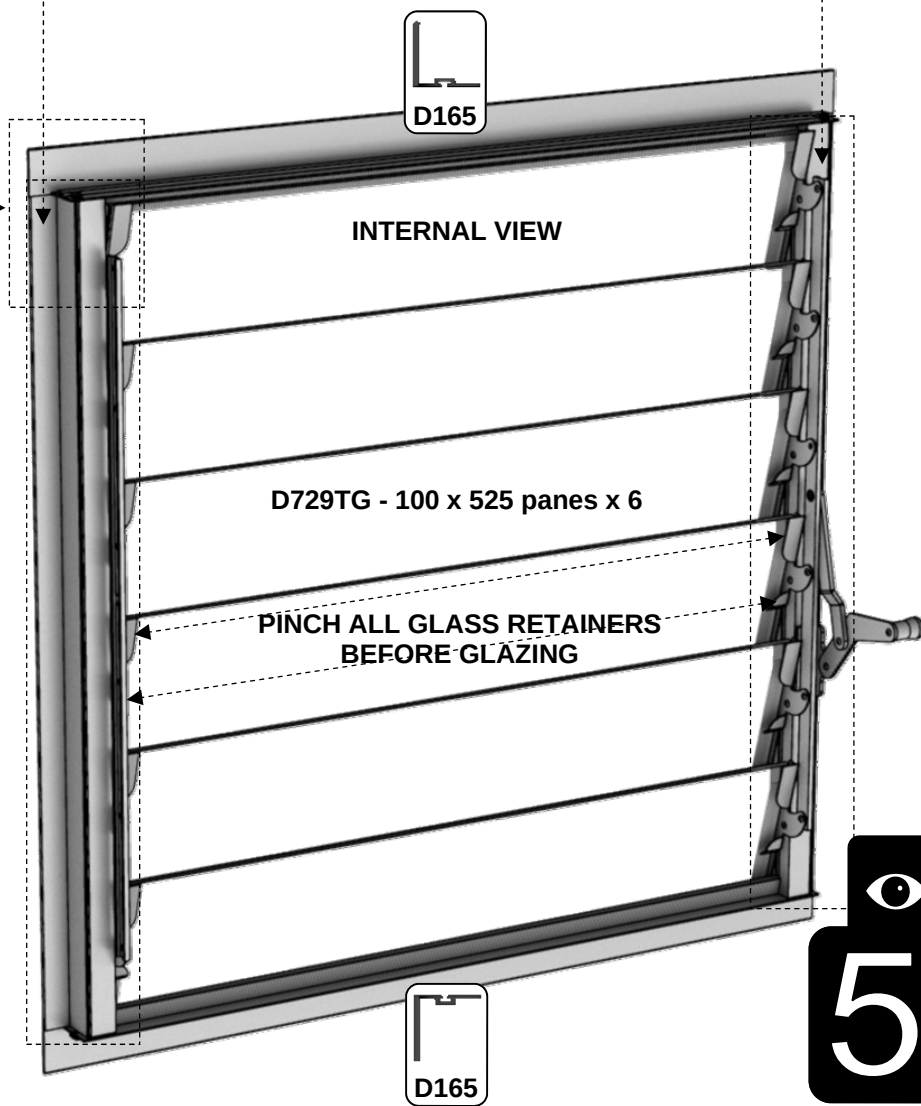
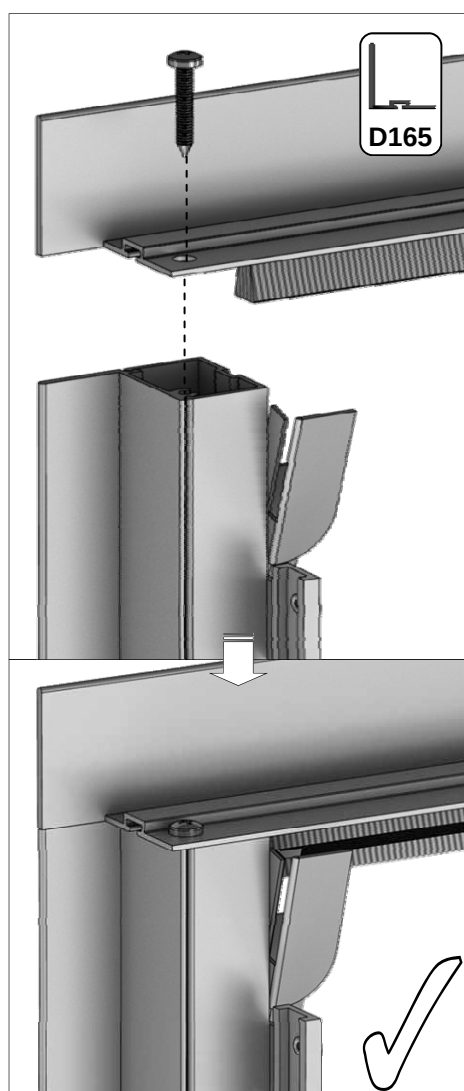
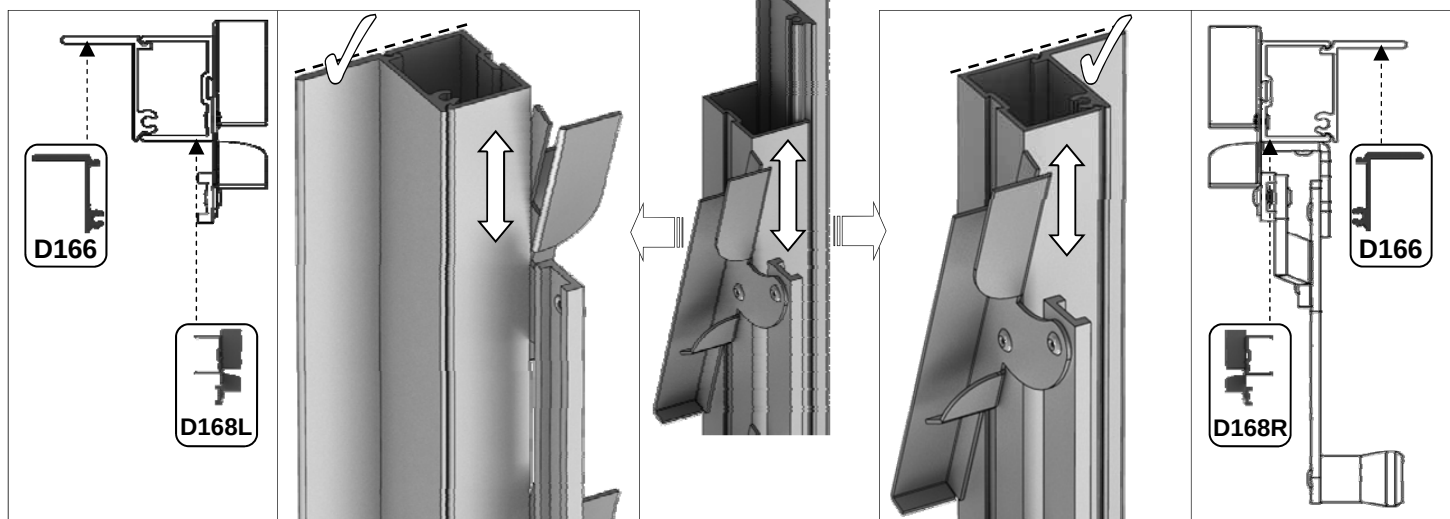


3





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

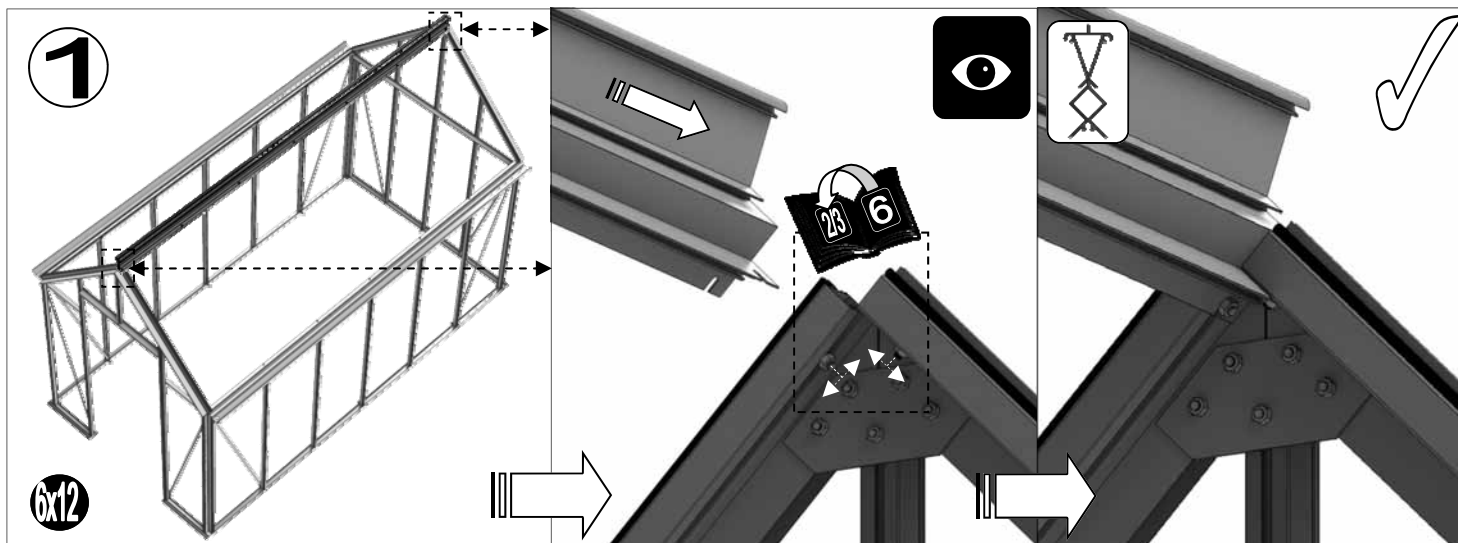


6'		
Part No	mm	Quantity
DV204	1897	1
DV253	1345	4
DV100	n/a	4
DV101	n/a	2
RUBBER	1000	11
SYBOLM6X11		8
SYBOLM6X22		16
SYNUTM6		32

8'		
Part No	mm	Quantity
DV201	2517	1
DV253	1345	6
DV100	n/a	6
DV101	n/a	3
RUBBER	1000	17
SYBOLM6X11		12
SYBOLM6X22		24
SYNUTM6		48

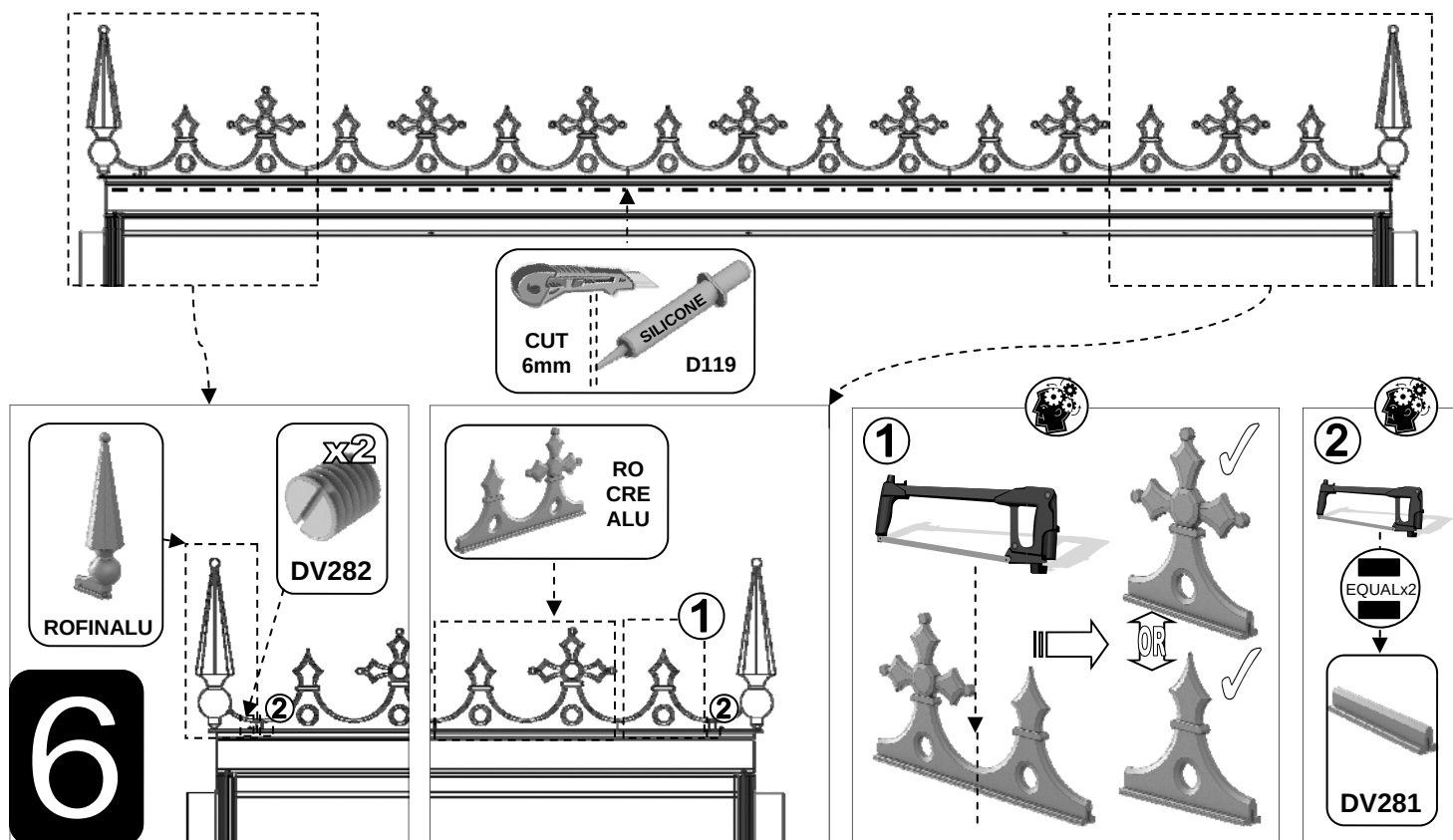
10'		
Part No	mm	Quantity
DV202	3137	1
DV253	1345	8
DV100	n/a	8
DV101	n/a	4
RUBBER	1000	22
SYBOLM6X11		16
SYBOLM6X22		32
SYNUTM6		64

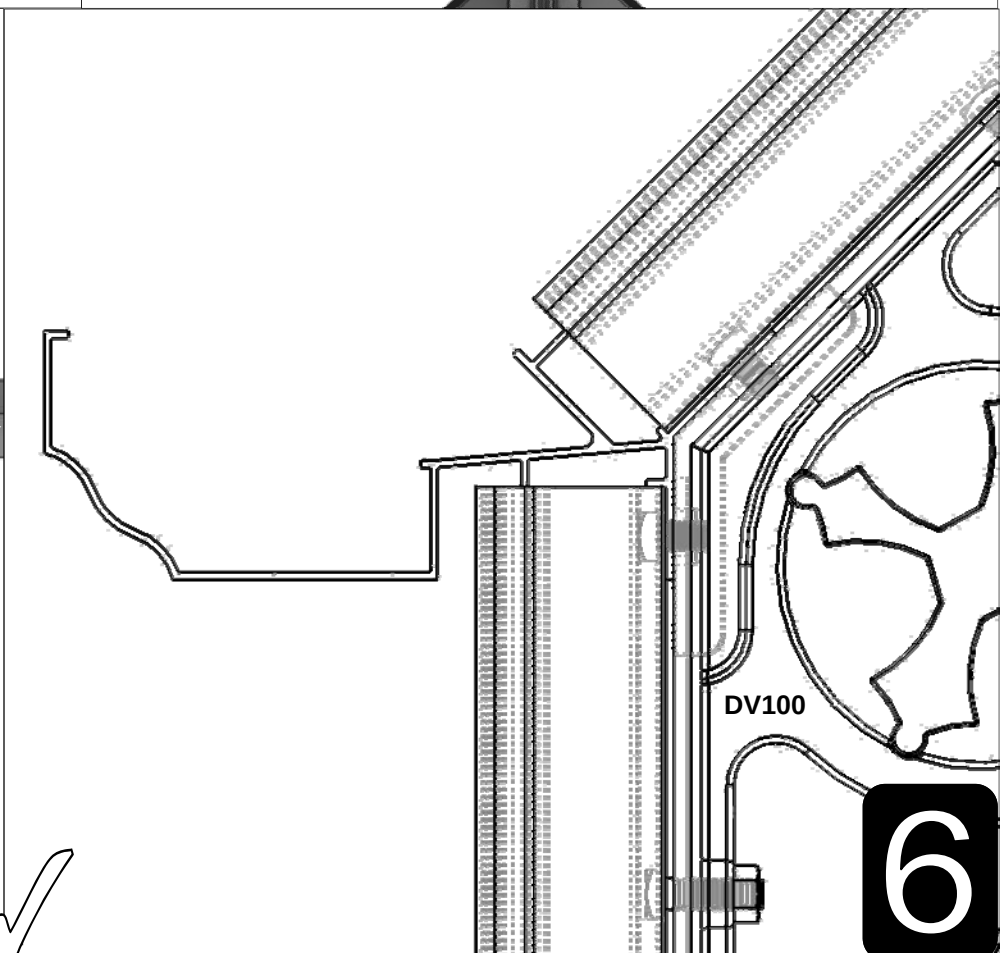
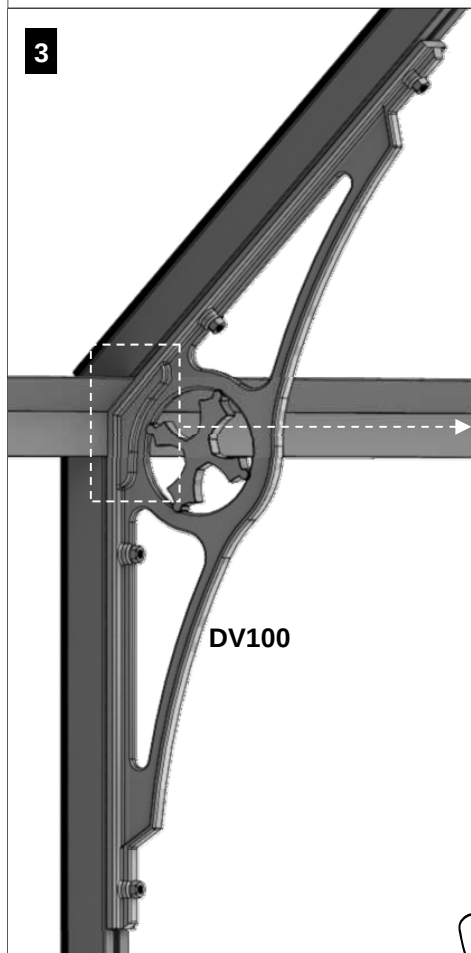
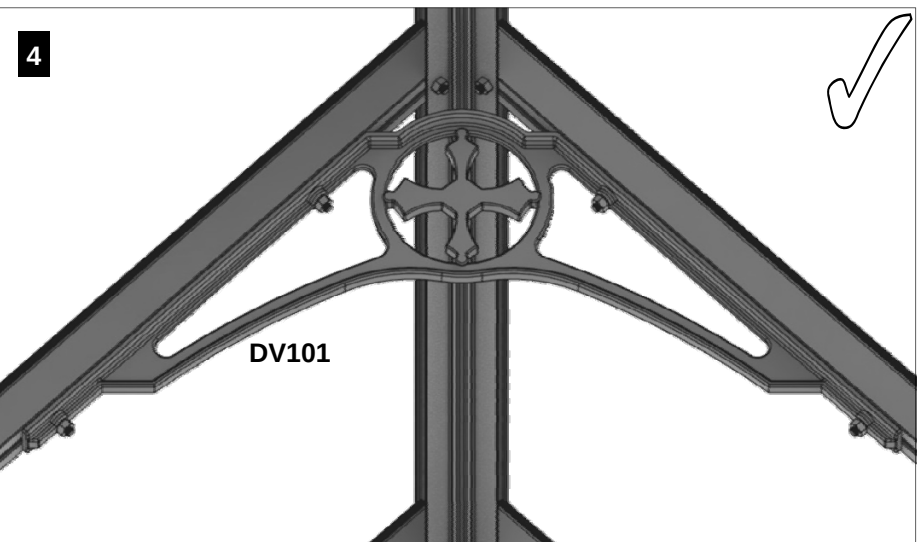
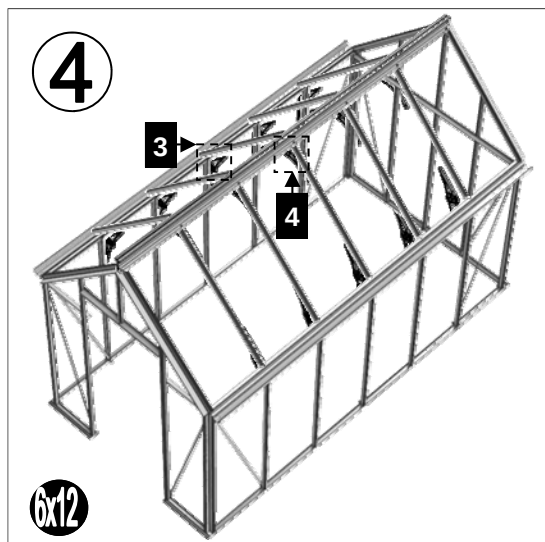
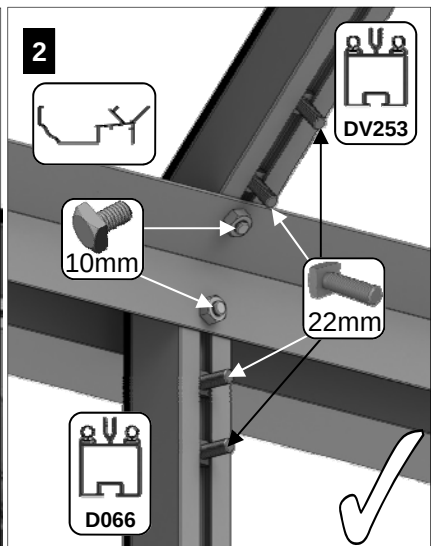
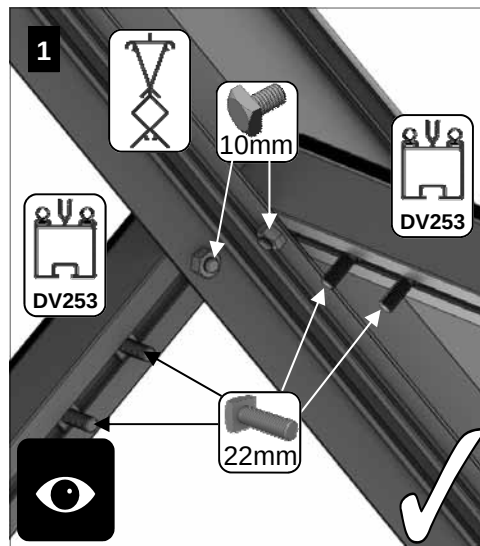
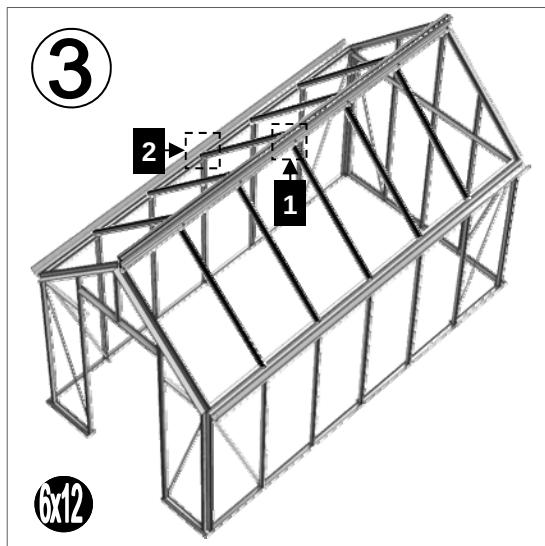
12'		
Part No	mm	Quantity
DV203	3757	1
DV253	1345	10
DV100	n/a	10
DV101	n/a	5
RUBBER	1000	27
SYBOLM6X11		20
SYBOLM6X22		40
SYNUTM6		80

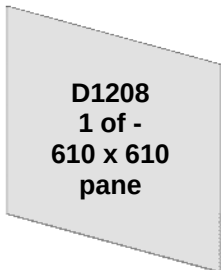


2

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

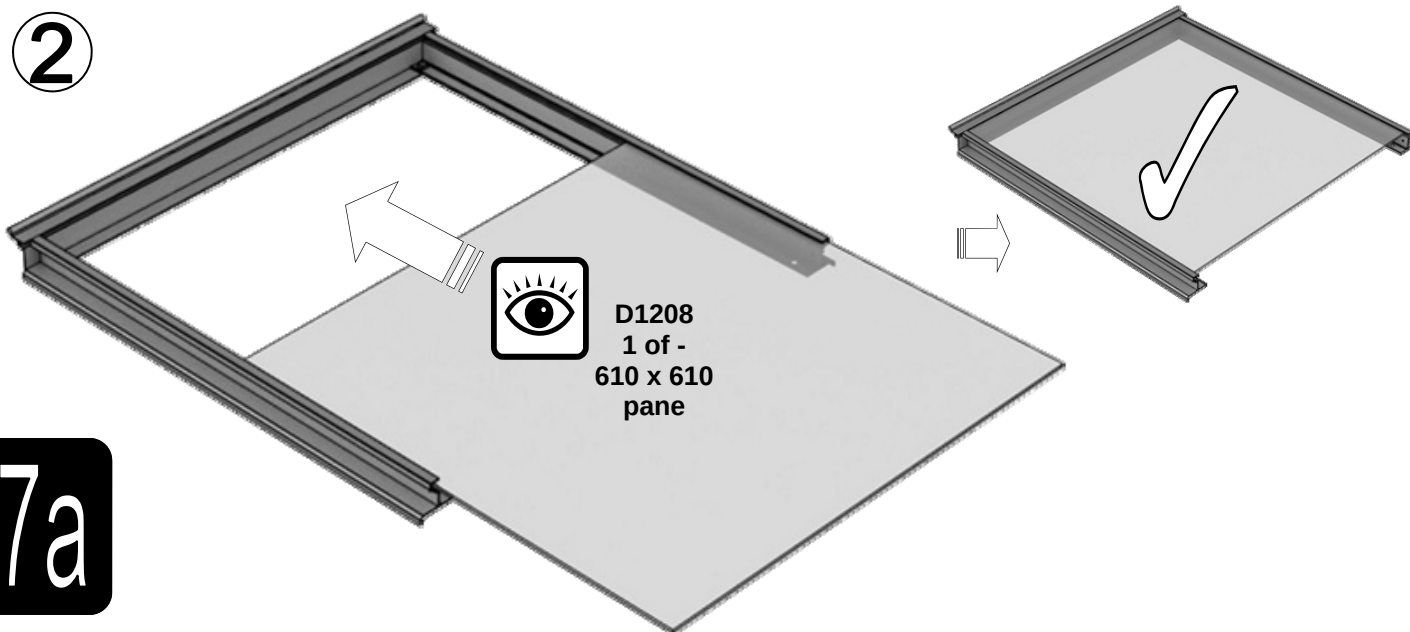
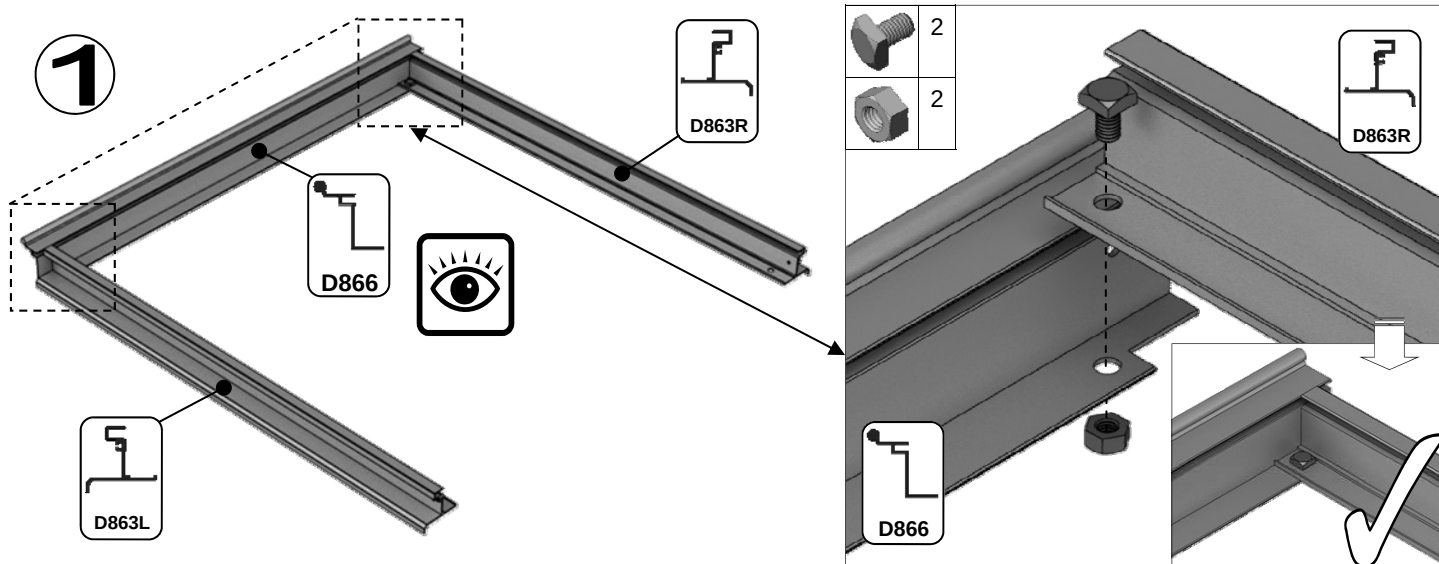






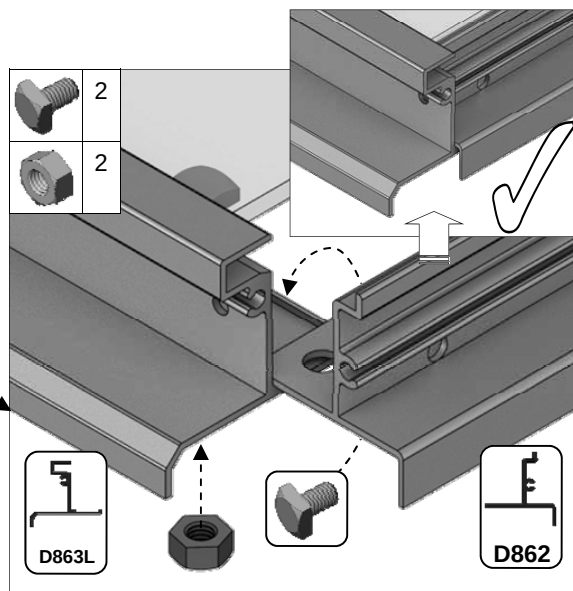
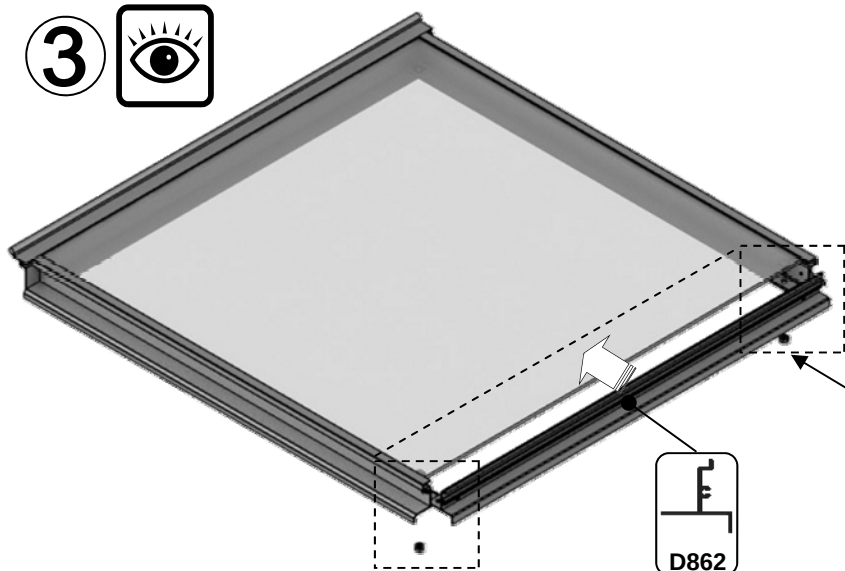
Part No		mm	Quantity
D866		639	1
D863L		613	1
D863R		613	1
D862		593	1

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

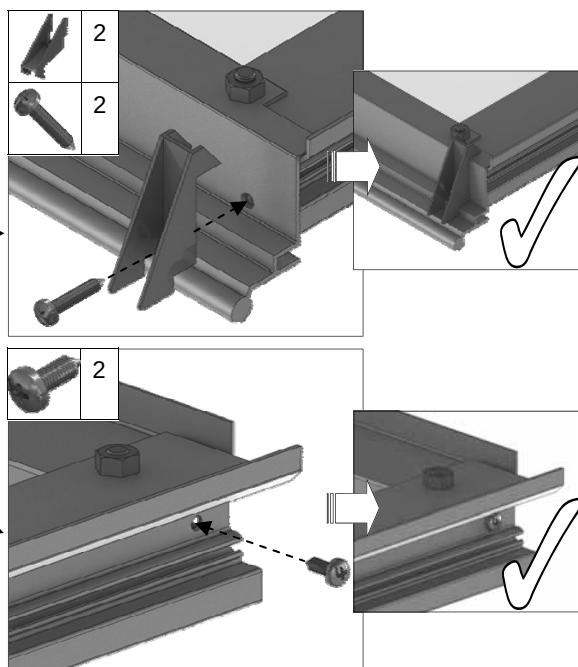
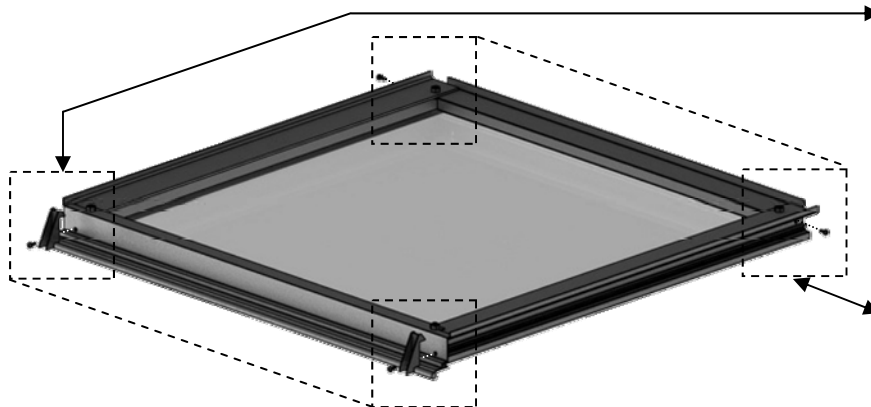
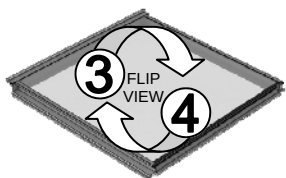


7a

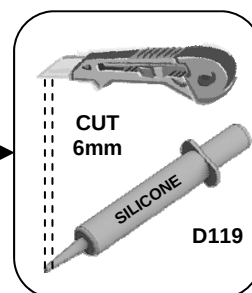
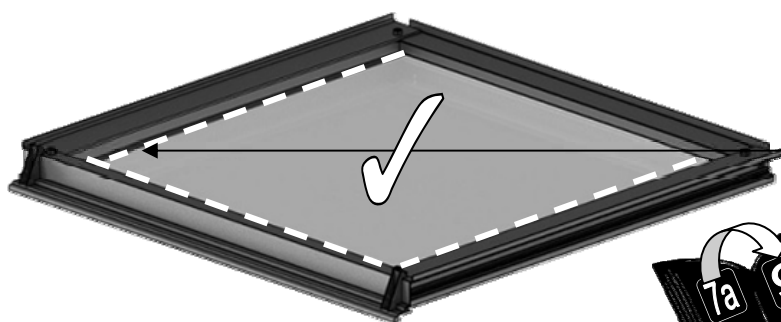
3 



4 



5 

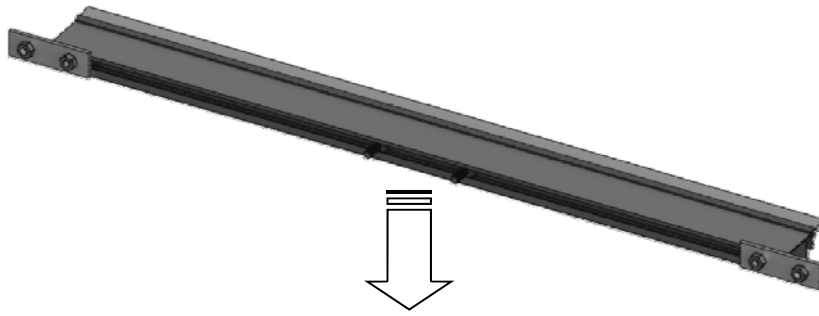


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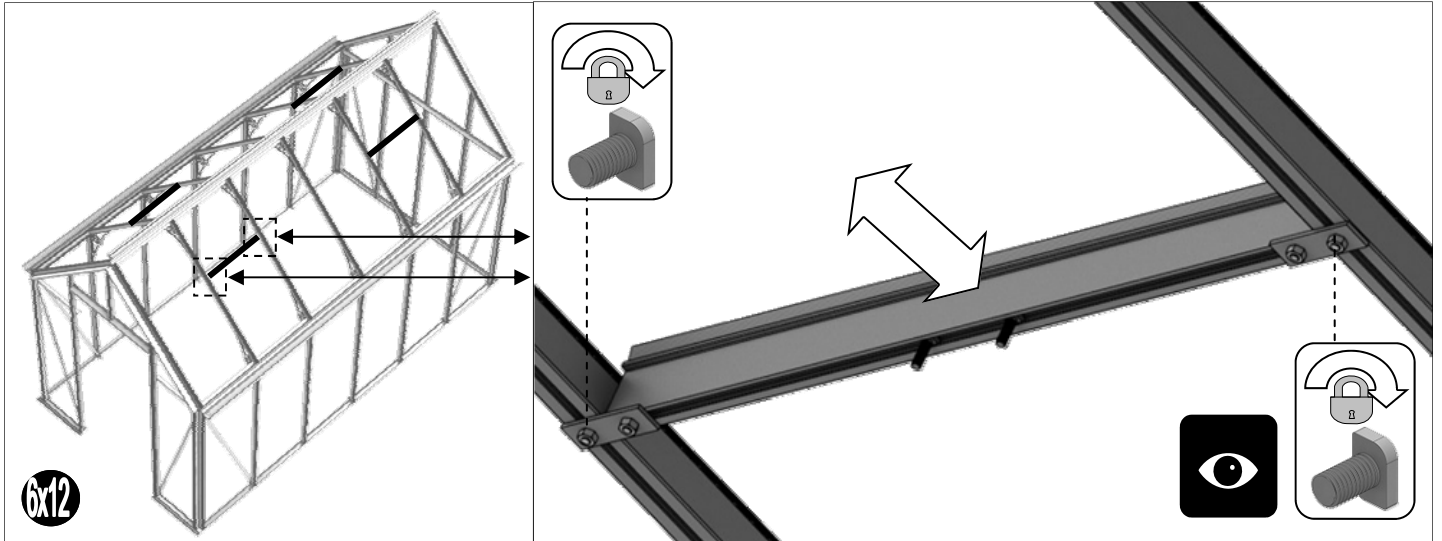
⑥

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





7b



GLAZING (plans pto):

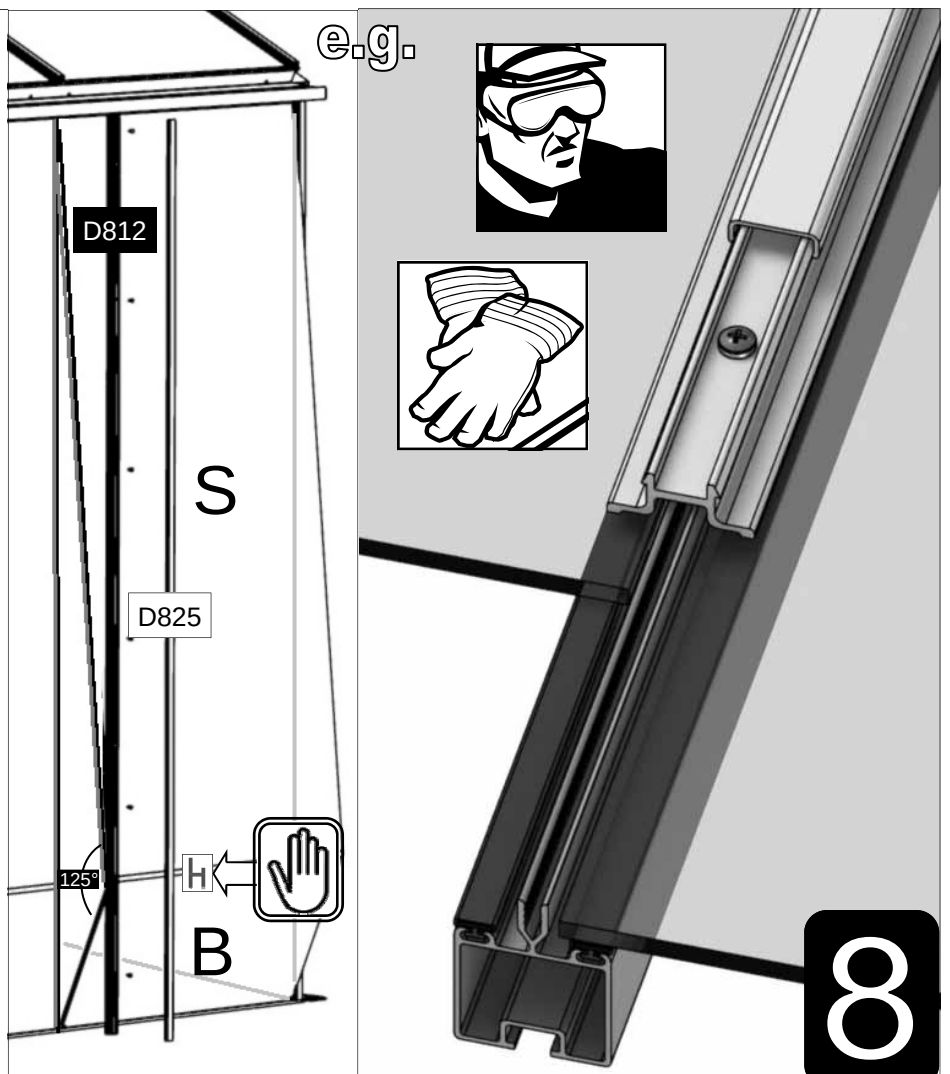
Glass and aluminium can potentially cause injury. Please ensure you wear protective goggles, gloves, headgear and suitable footwear when assembling and glazing the building.

Please remember that glass is fragile and should be handled with extreme care. Always clear up and dispose of any breakages immediately.

Layout the plastic bar cappings e.g. D812 and covers e.g. D825 around the building like a sundial checking that all is present and correct, see right and pto. You can also place the roof cappings in the gutters so they are closer to hand.

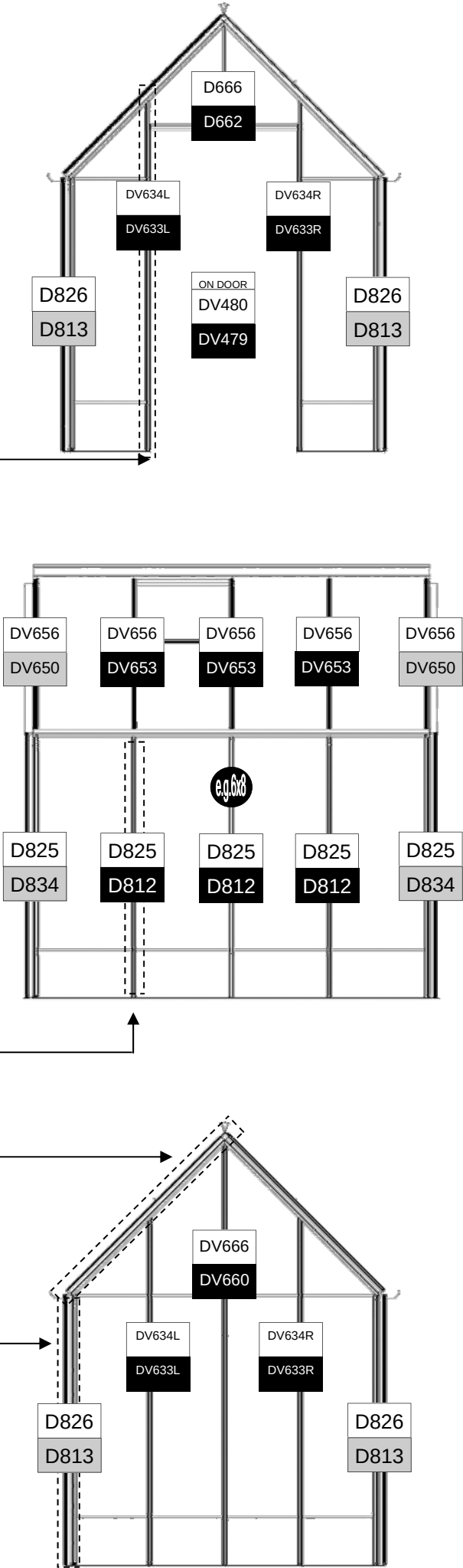
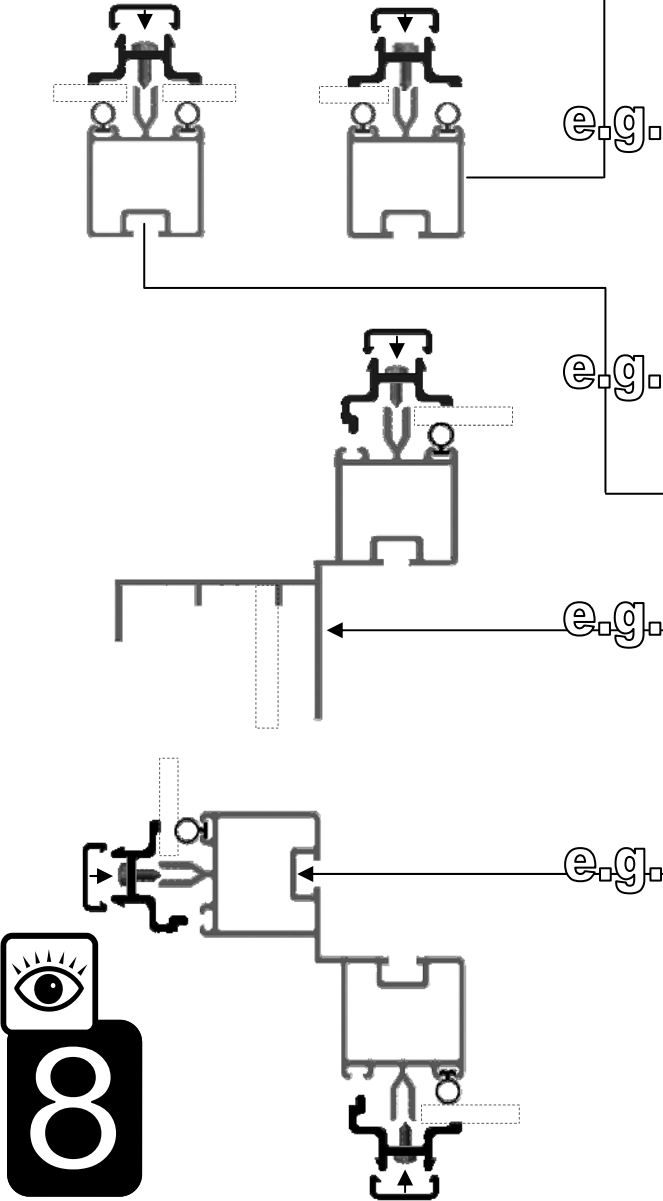
The glass in the sides has to bevel on the black / white separator strip (see right) which is on top of the 305mm high glass base panels. This bevelling action allows the glass to tuck underneath the gutter and roof corner canopy. Use the capping e.g. D812 and the self tapping screws to then hold the glass in place. The covers then enclose the screw heads giving a neat finish e.g. D825.

IMPORTANT: On the roof sections please make sure that you place a screw around 25mm / 1" from the bottom of each capping strip (create a hole in the plastic if required) and that the screws are nice and tight to avoid any glass slippage.



8

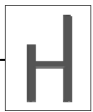
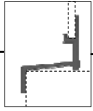
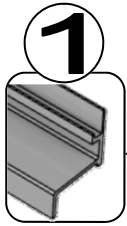
PART No	Section	Size (mm)
D662		600
DV479		1384
DV653		1378
DV660		2612
DV633L/R		2173
D812		1660
D813		1675
D834		1660
DV650		1345
D666		602
D825		1660
D826		1677
DV480		1384
DV634L/R		2173
DV656		1378
DV666		2612



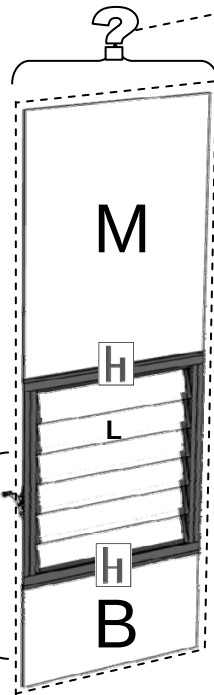
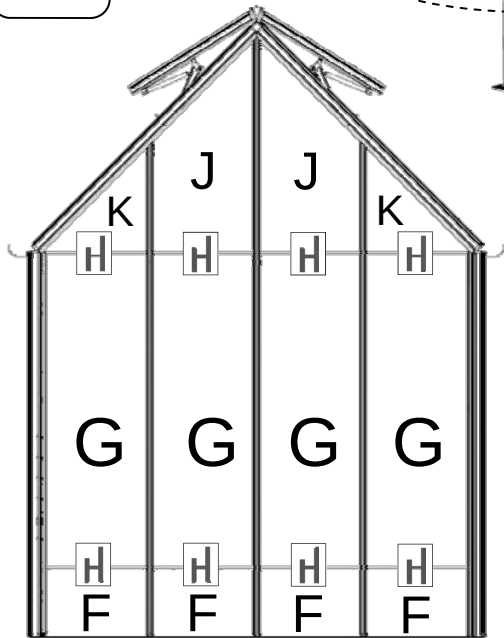
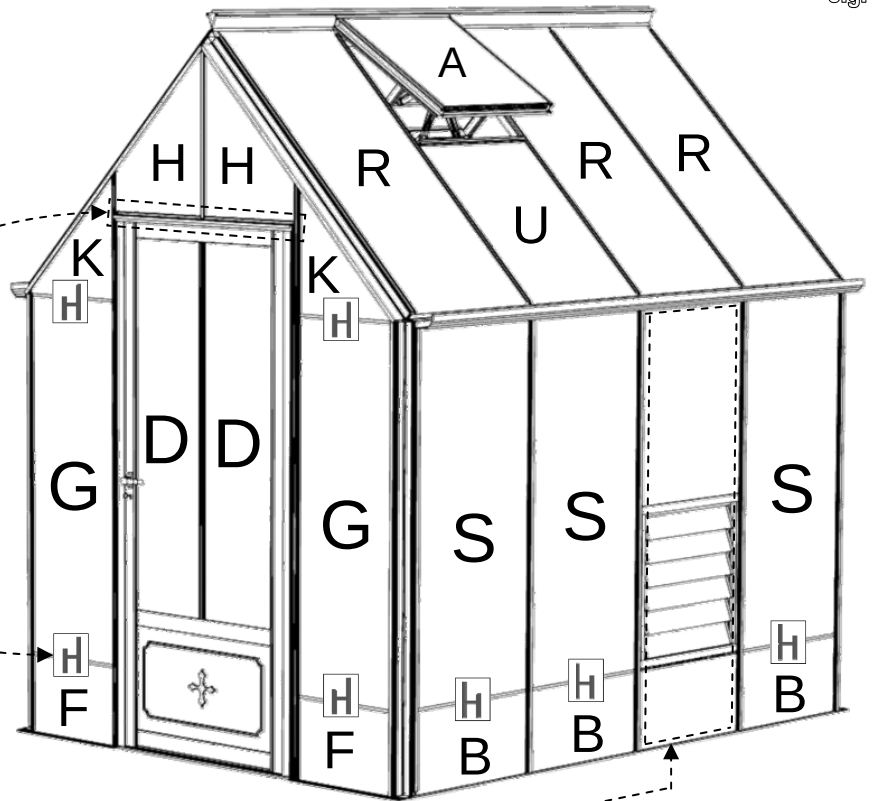


VICTORIAN 6 TOUGHENED GLASS

e.g. 6x8



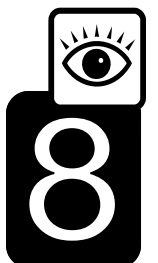
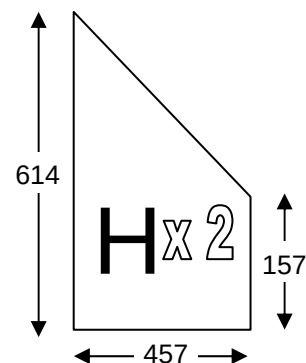
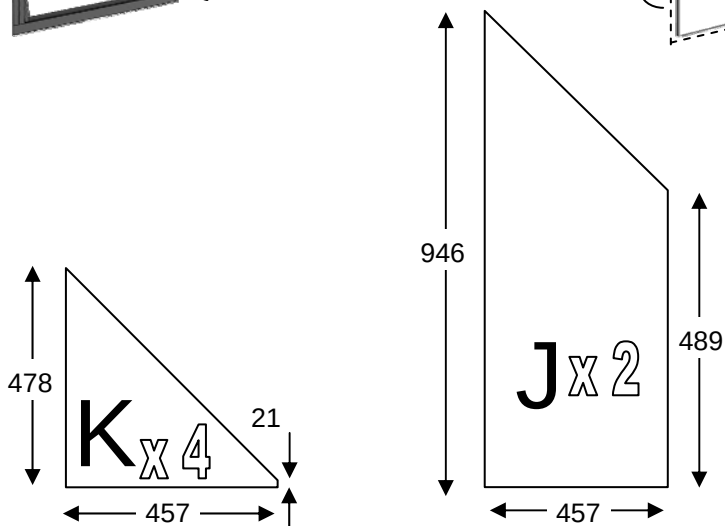
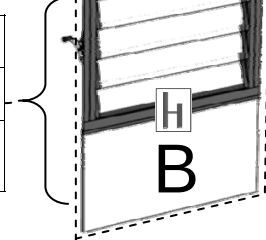
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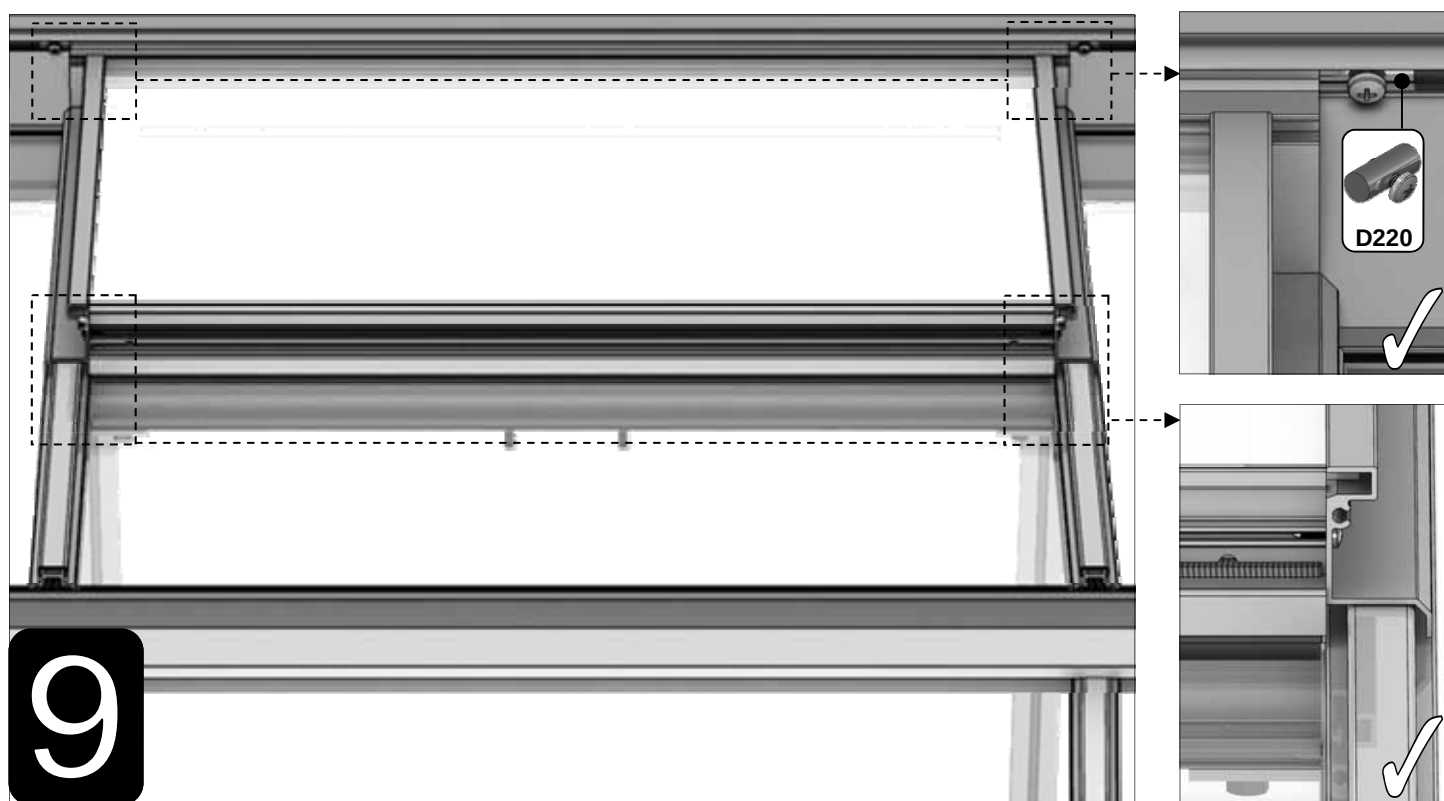
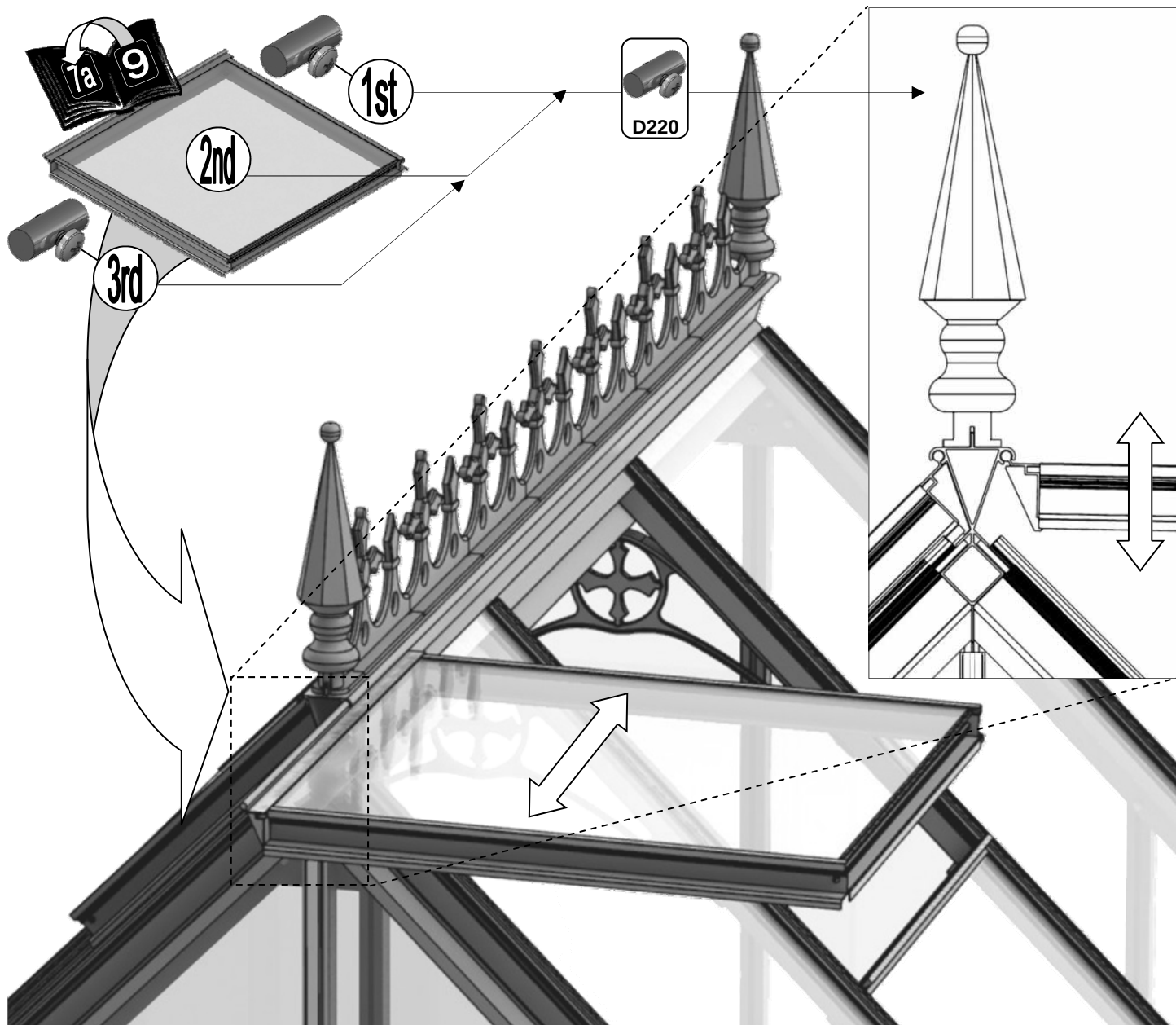


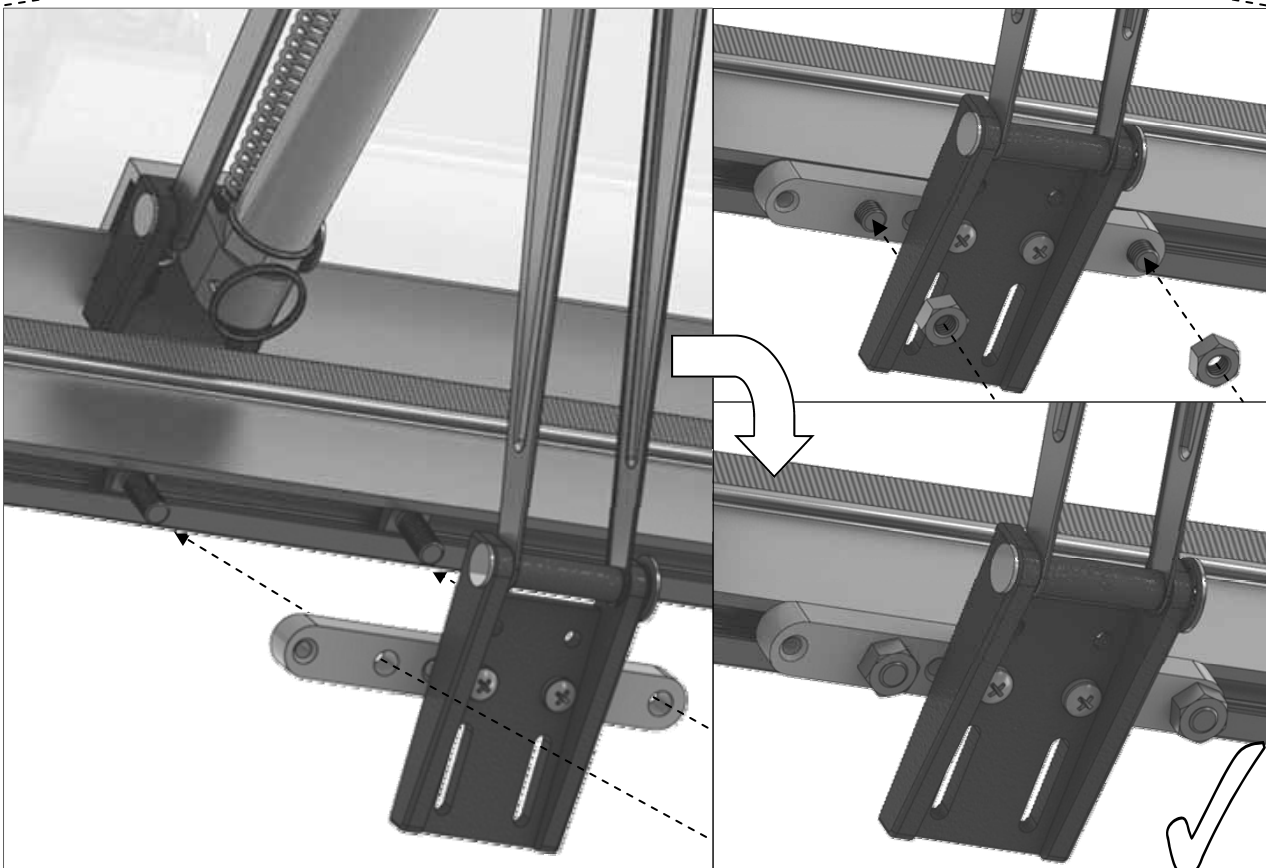
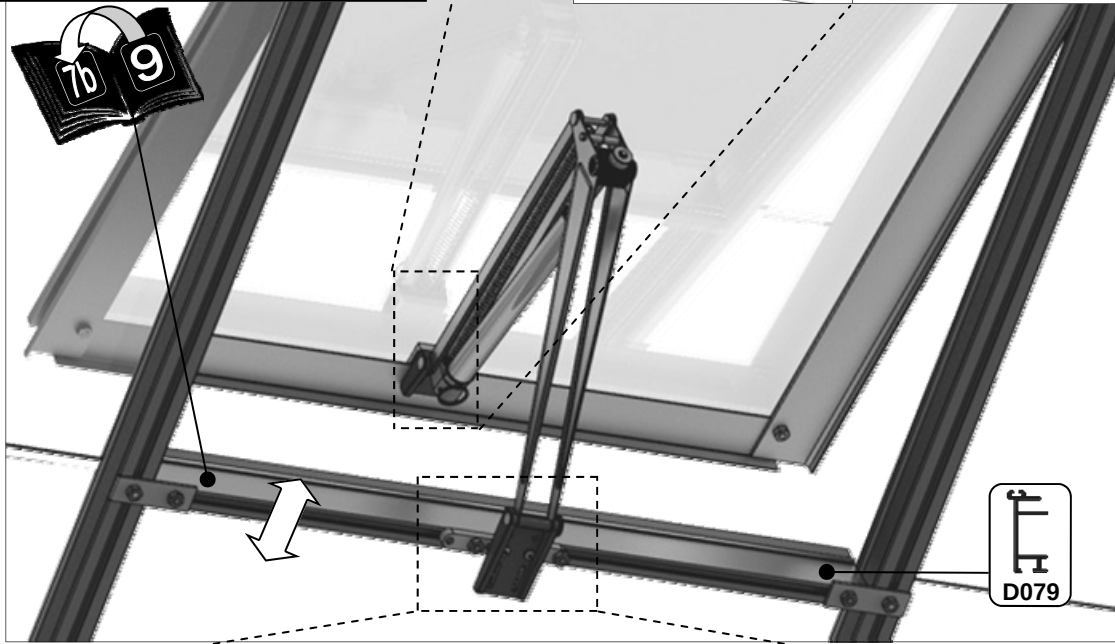
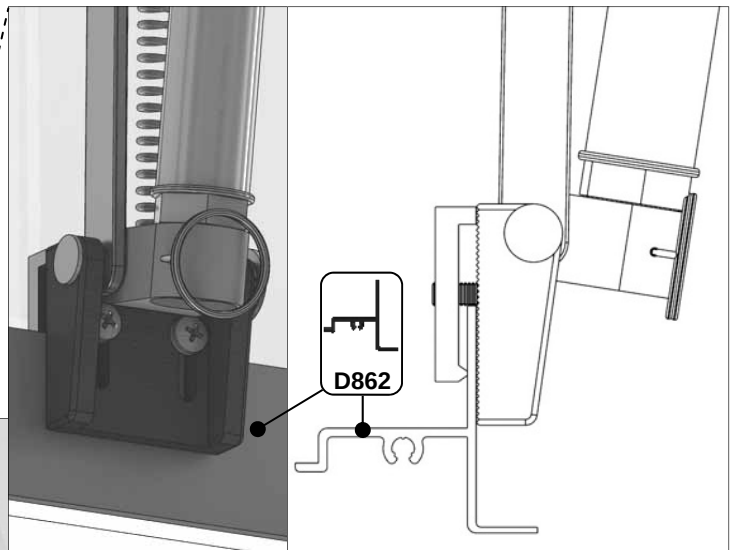
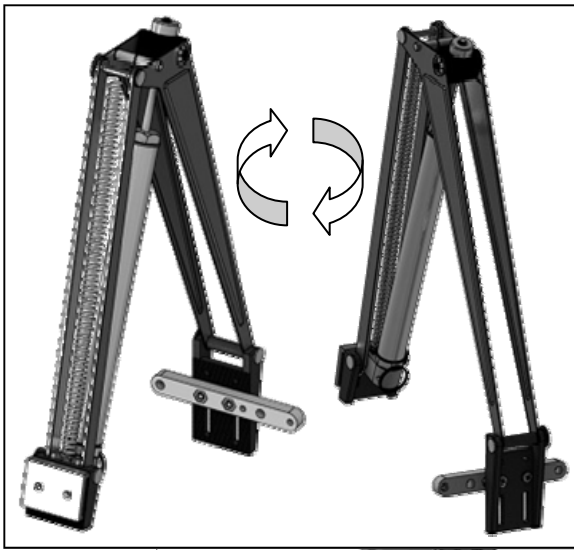
PART No		Size (mm)	6'	8'	10'	12'
D1206	S	610 X 1374	5	7	8	10
DV706	R	610 X 1384	4	6	6	8
DV720	U	610 X 790	2	2	4	4
D1208	A	610 X 610	2	2	4	4
D1254	B	610 X 305	6	8	10	12
D770	F	457 X 305	6			
D771	G	457 X 1374	6			
DV700	D	357 X 1384	2			
DV710	K	ANGLE	4			
DV711	J	ANGLE	2			
DV712	H	ANGLE	2			
D223/B		Cut to 904mm	1			
D101 / ROSEPS	H	610 long (inc cuts to 457&305mm)	19	21	24	26



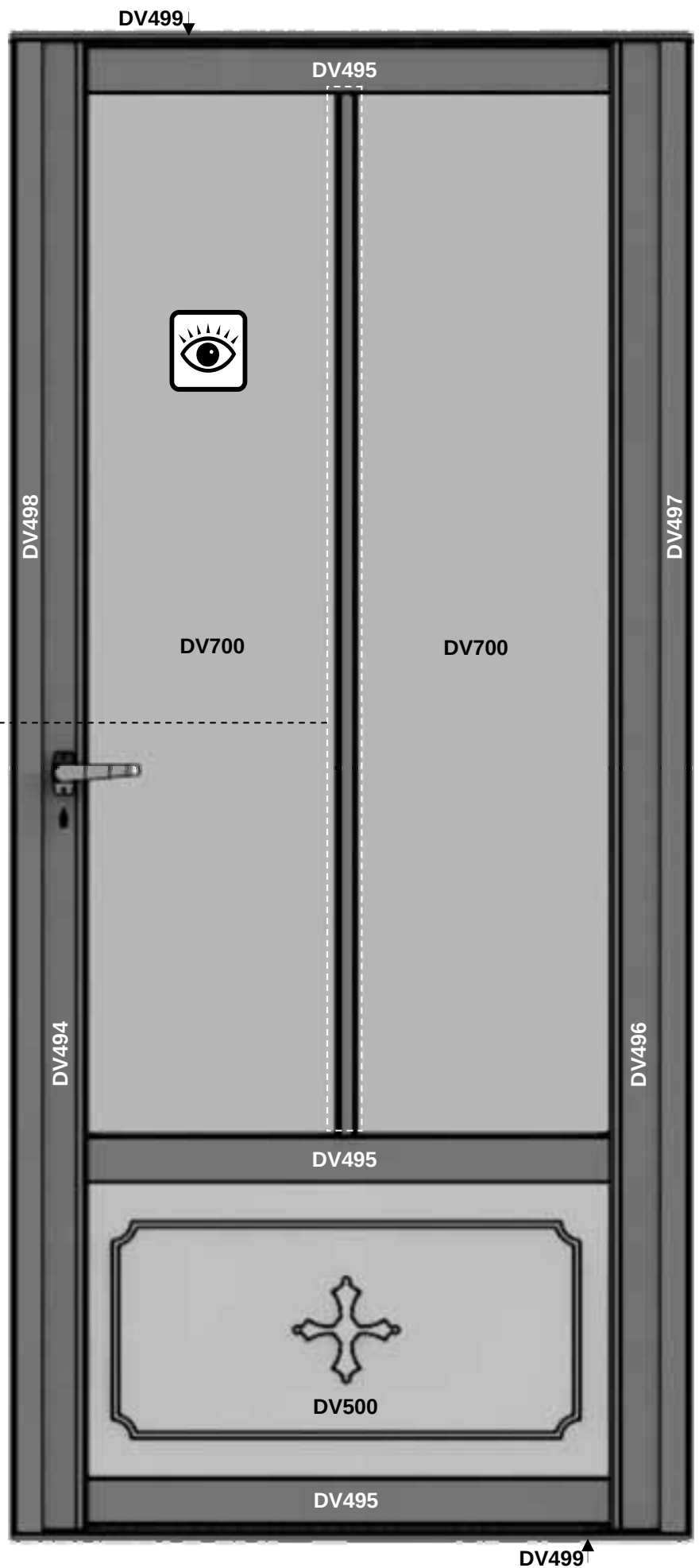
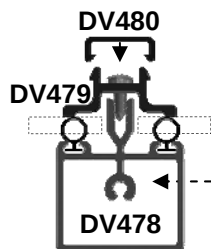
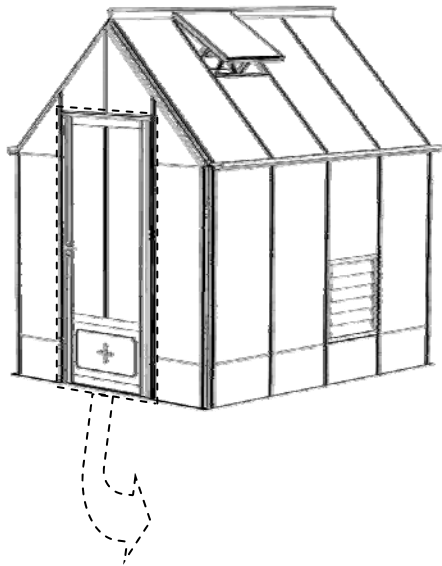
D906	M	610 X 762	1
D729	L	525 X 100	6
D101 / ROSEPS	H	610 long	1





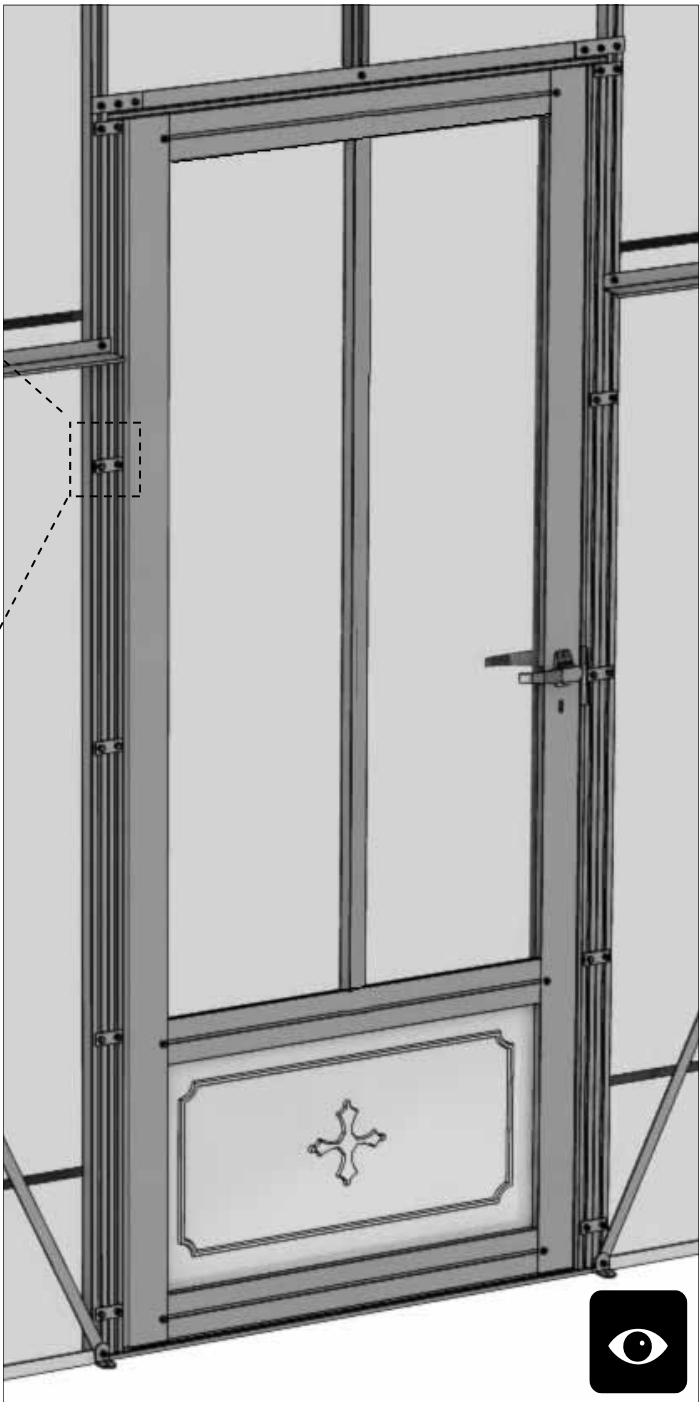
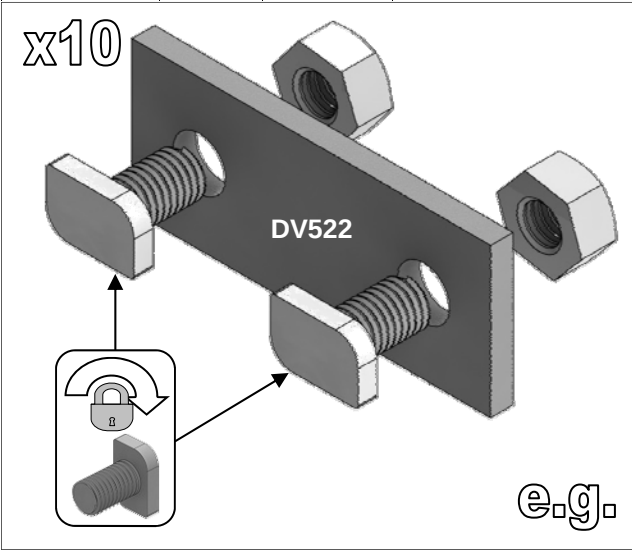


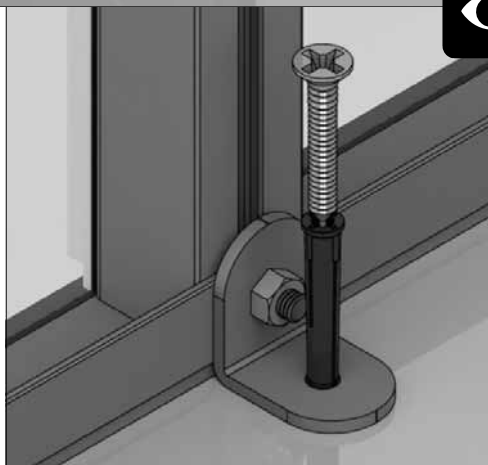
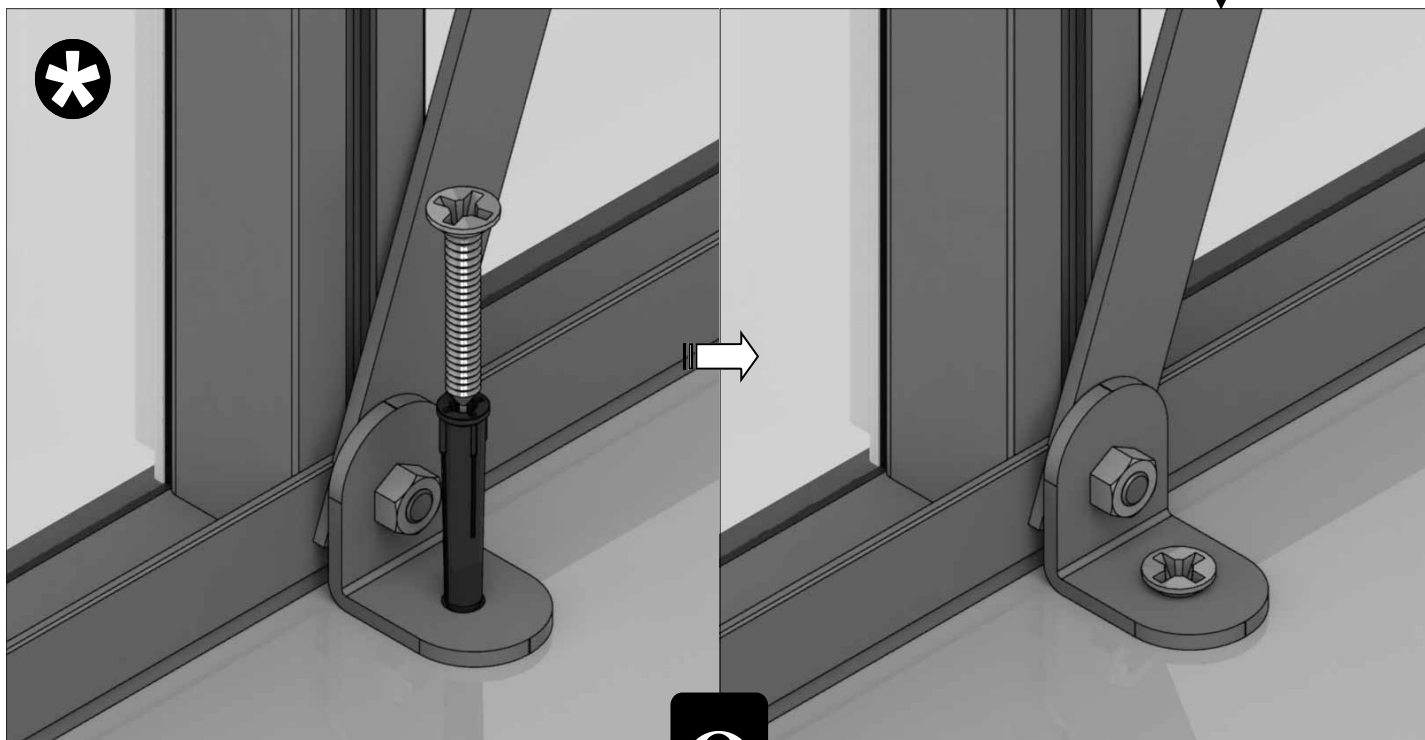
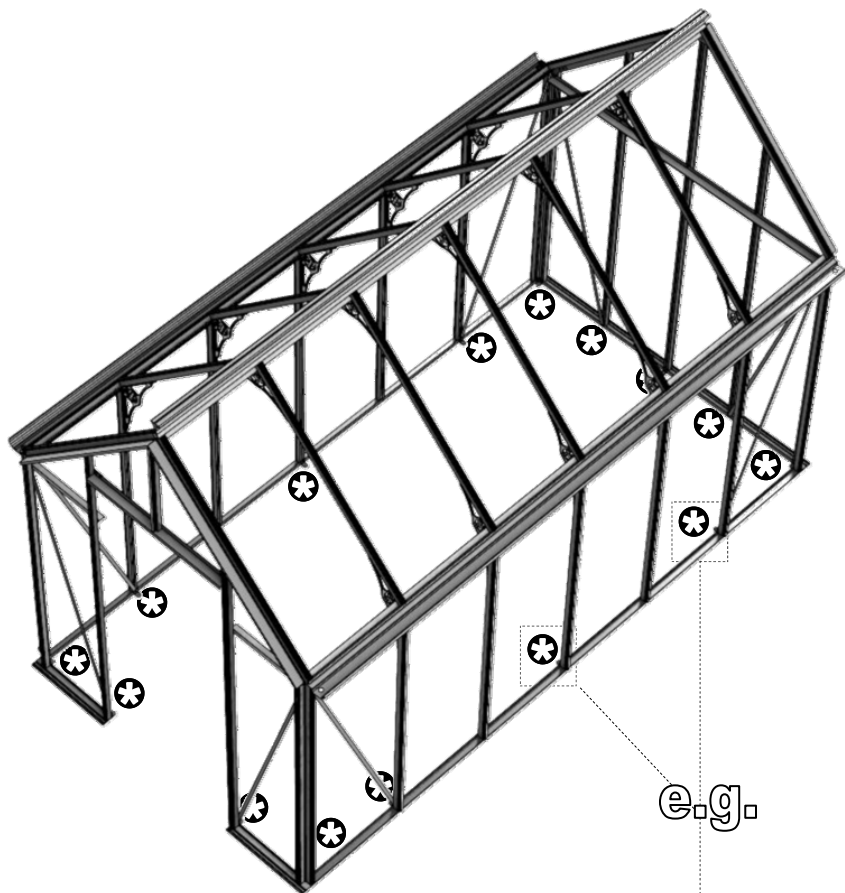
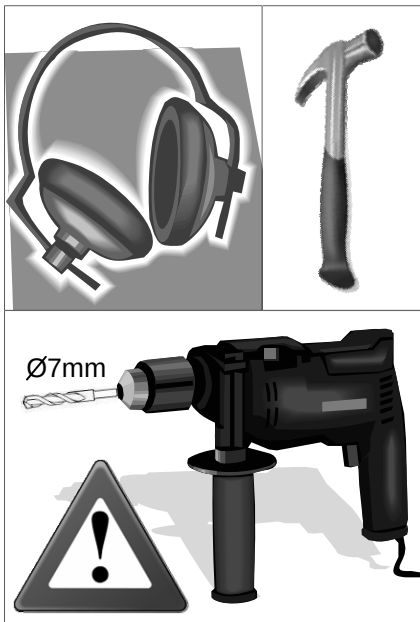
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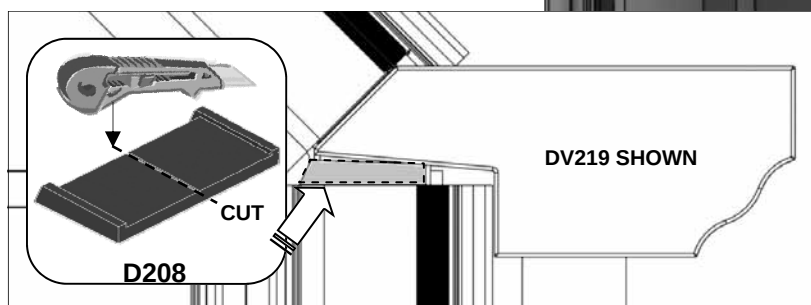
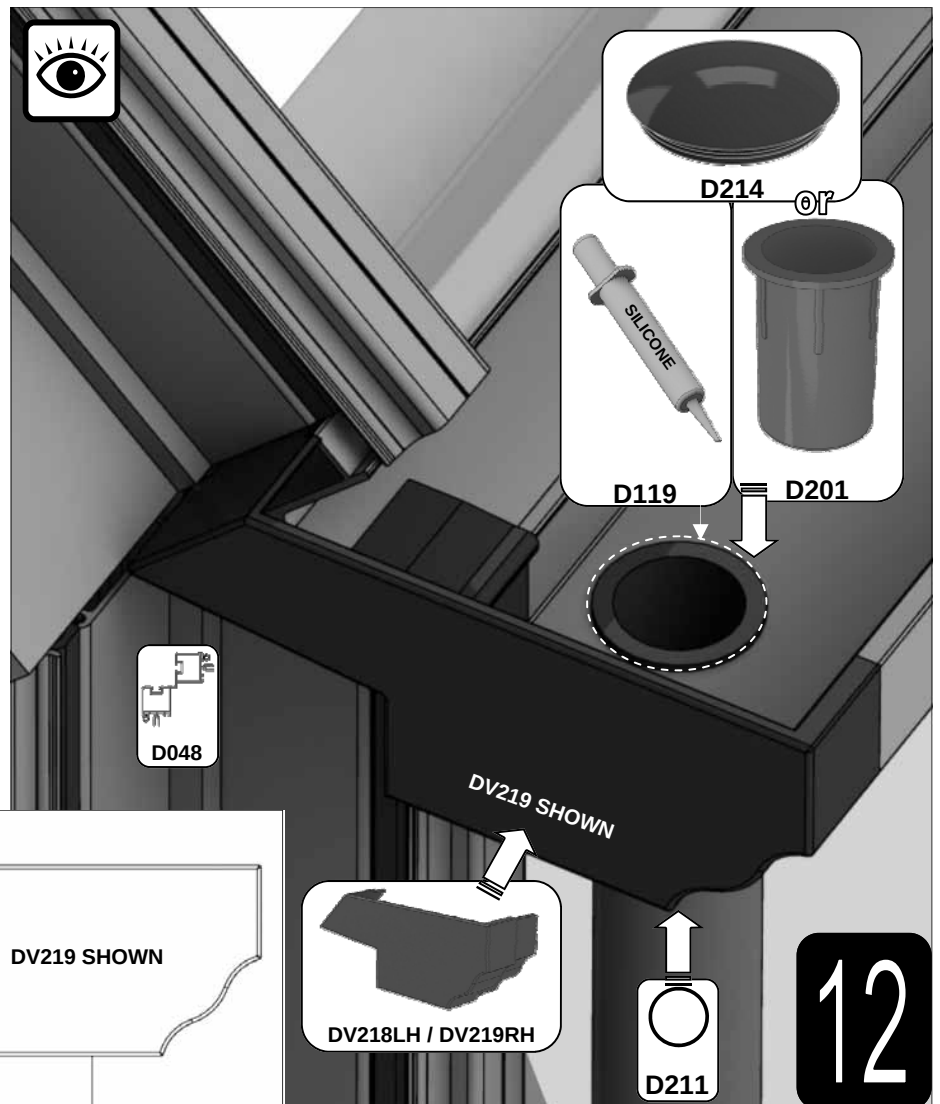
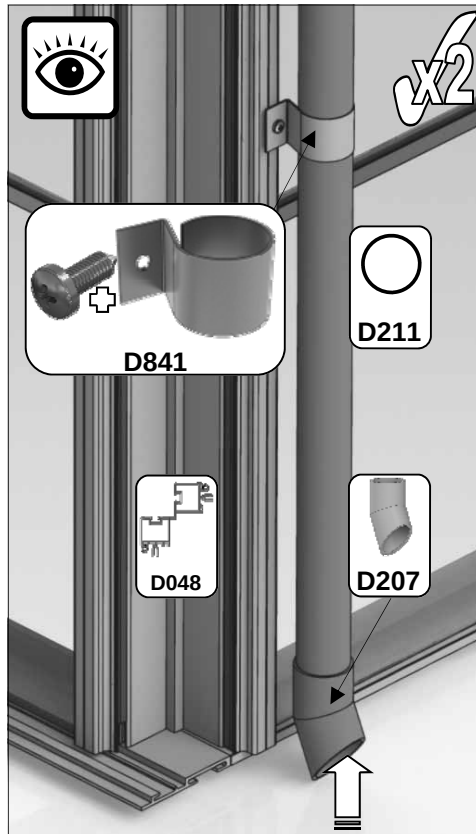
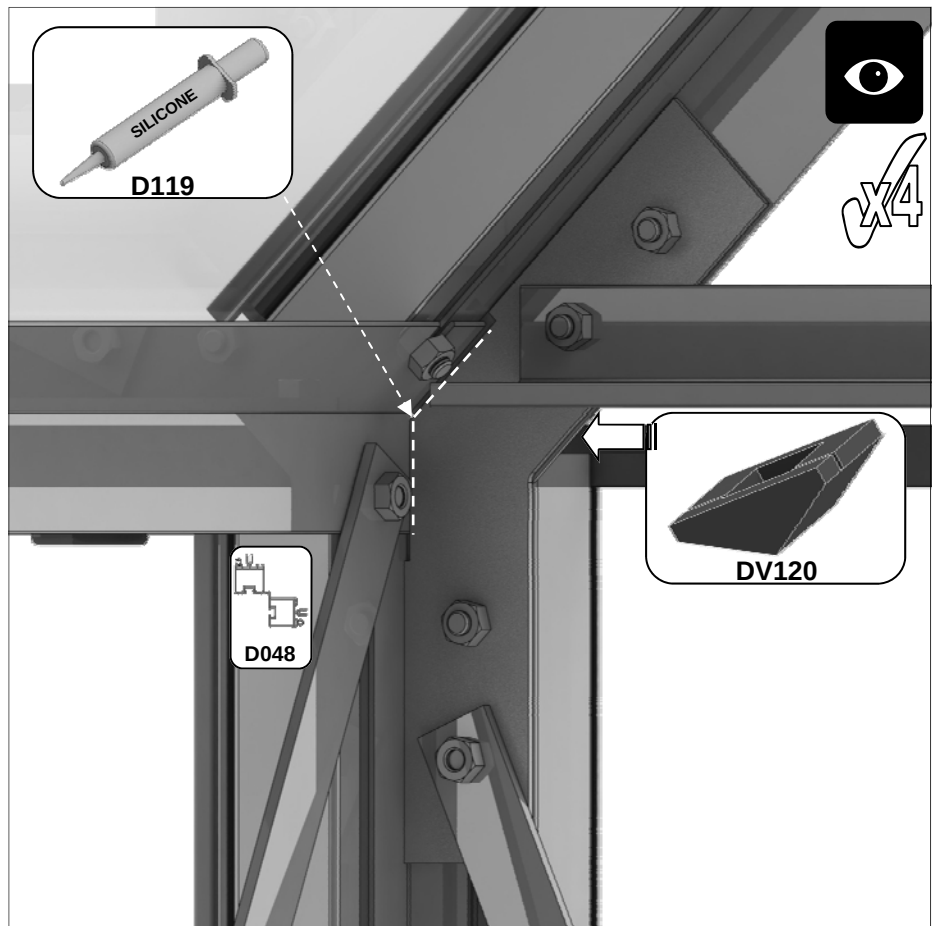
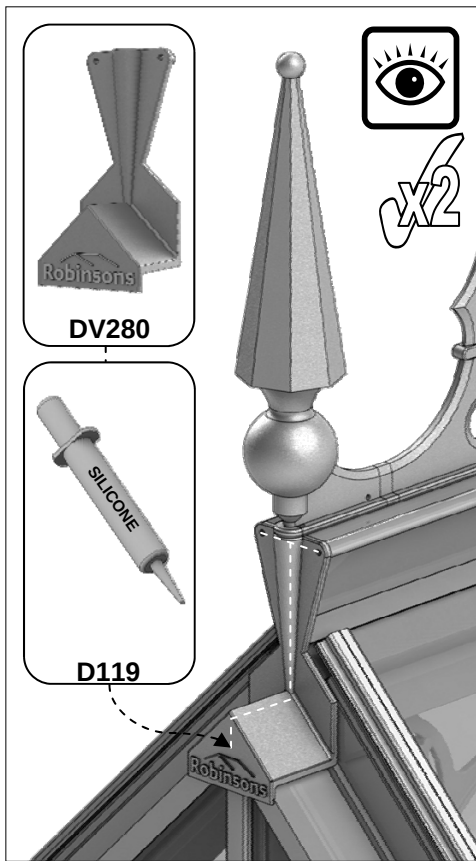
10

Part No		Quantity
D522		10
SYBOLM6 X11CROP		20
SYNUTM6		20

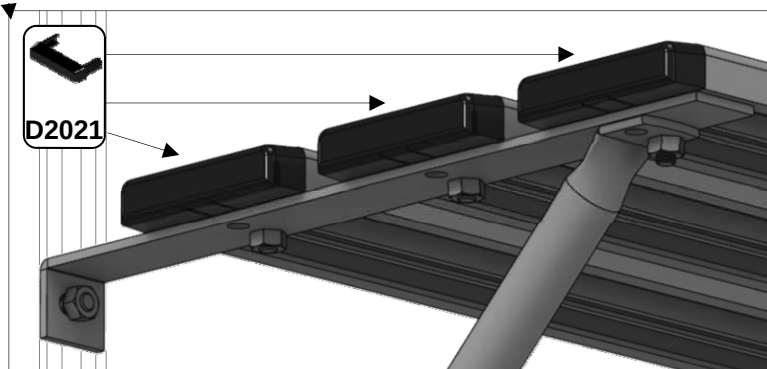
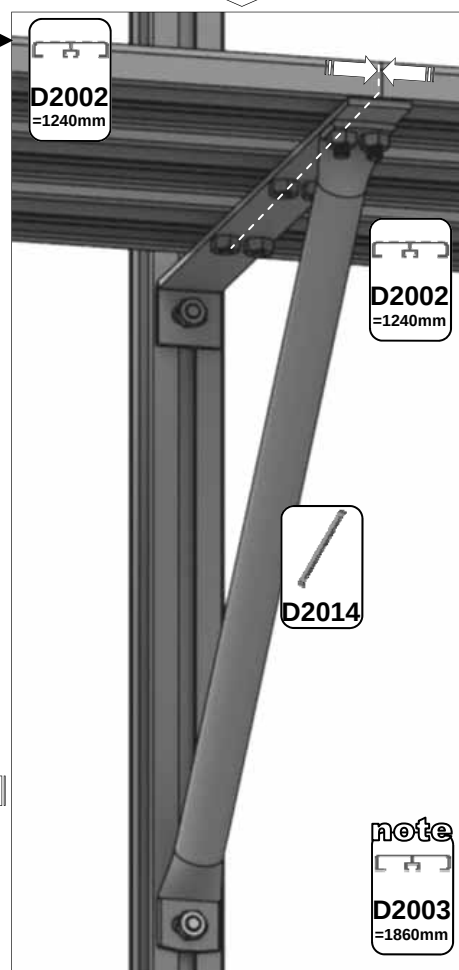
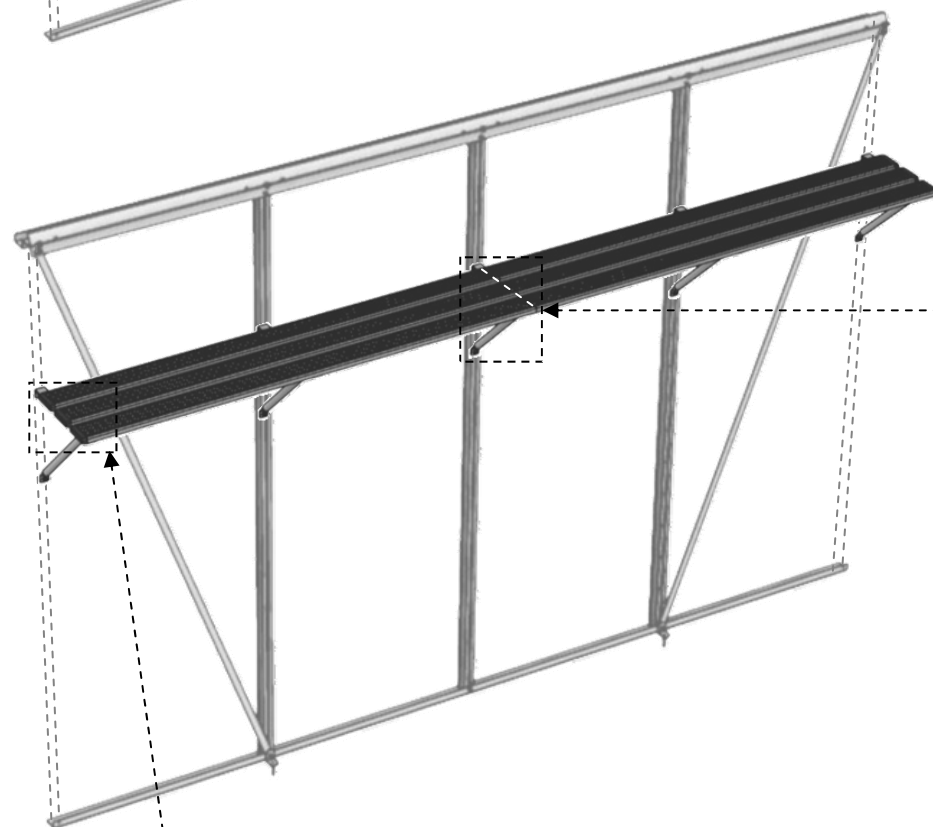
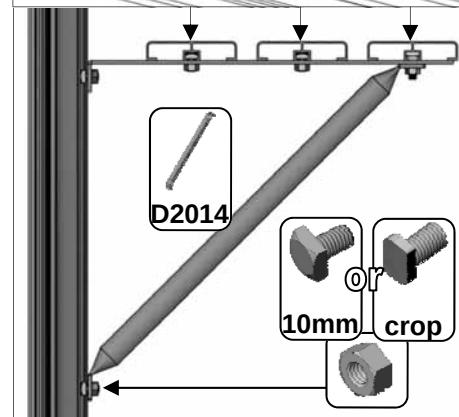
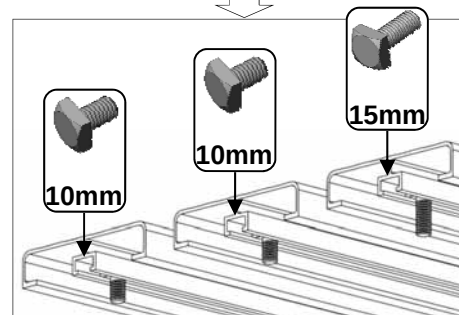
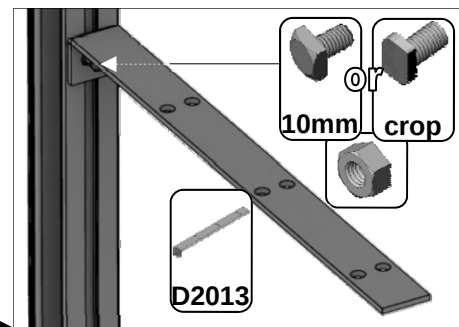
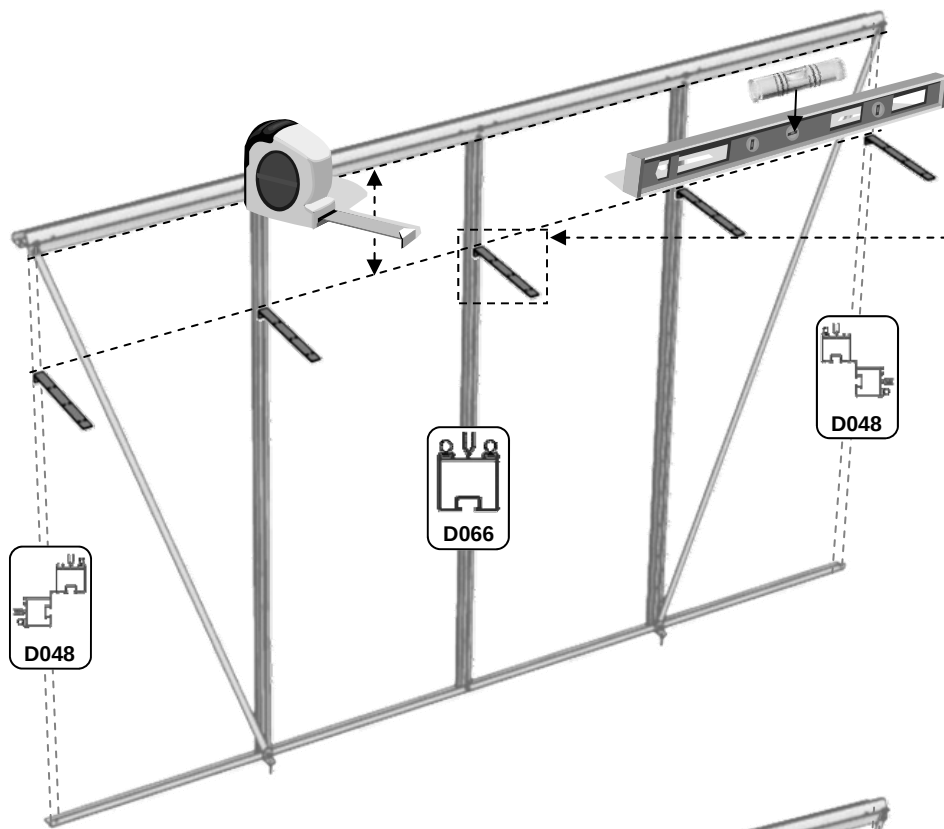




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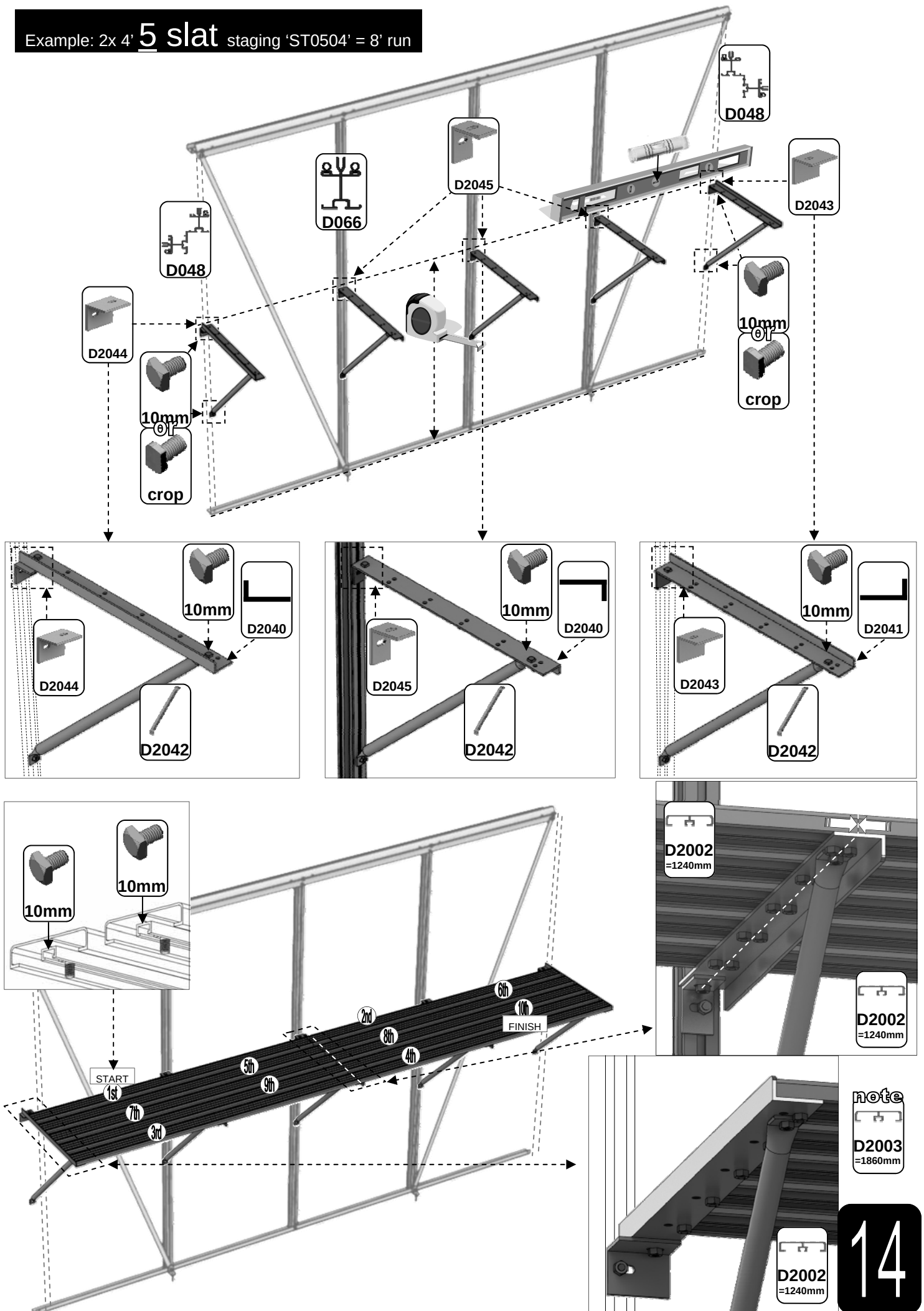


Example: 2x 4' 3 slat shelves 'ST0304' = 8' run



13

Example: 2x 4' **5** slat staging 'ST0504' = 8' run



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.spooner@greenhousepeople.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.

THIS GREENHOUSE BOX WAS PACKED BY:

DATE: _____



www.robinsonsgreenhouses.co.uk

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