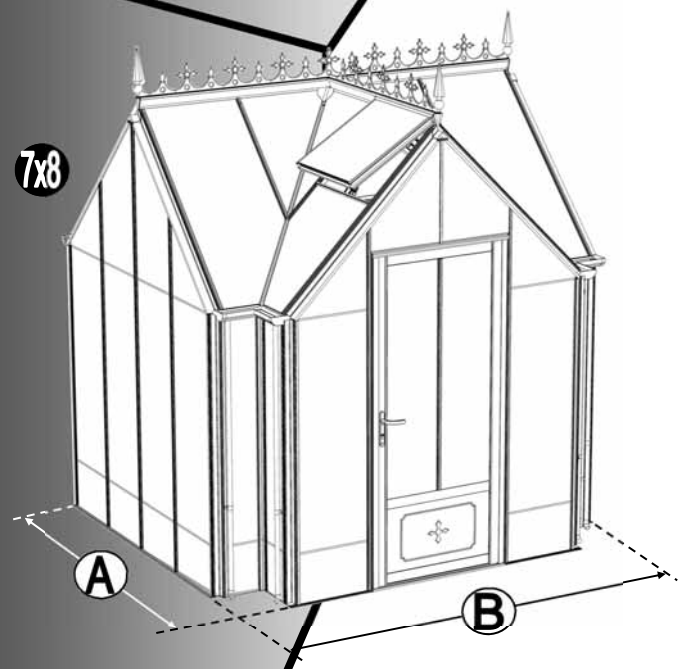
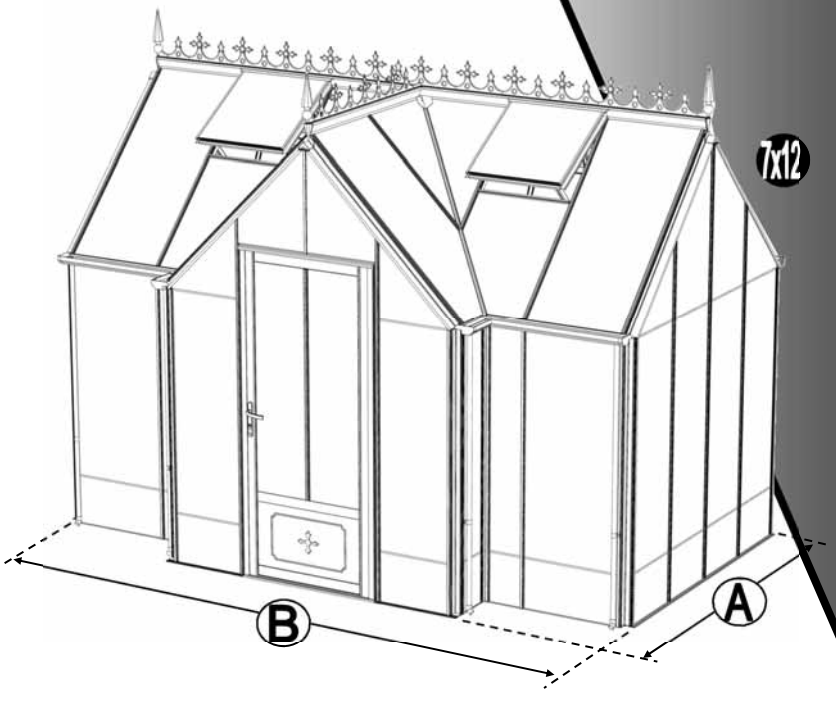
Robinsons
ALUMINIUM GREENHOUSES

Victorian 'RAYNHAM' 7
Assembly Instructions





NOMINAL SIZE	A (mm)	B (mm)
7 x 8	2302	2632
7 x 12		3872
7 x 16		5112
7 x 20		6352

Issue 07/25

GB 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**-rear, **2**-porch gable, **3**-end gables, **4**-porch sides, **5**-main frame assembly, **6a**-rear roof, **6b**-porch roof, **7**-vent, **8**-louvre, **9**-glazing, **10**-vent attachment, **11**-door attachment, **12** anchoring down, **13** finishing touches, **14** optional shelf, **15** 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 extensions then please also refer the separate extension manual before you begin construction.

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.

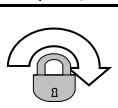
Additional Considerations

- 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 pivot pins / lock etc...

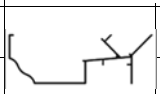
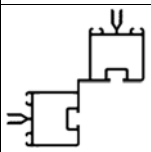
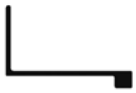
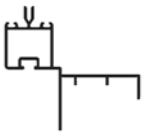
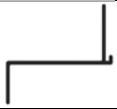
Guarantee

- 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.

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.

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
	PARTS LIST	Identify and separate all like for like components prior to assembly. The 'parts list' also separates parts into the various sections 1 - 13 shown below. Parts can also be identified by their profile pictures and stated lengths etc..
B	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.
P	PREPARATION	Tools required. IMPORTANT: Use WD40 or similar in the glazing bar channels and insert the black glazing rubber prior to frame assembly.
1	REAR	Take the glazing bars 'D066' with the rubber inserted and the diagonal braces 'D103', use 12mm bolts to join them to the gutter and 16mm 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 6.
2 /	PORCH GABLE	Again ensuring that the gable framework is rubbered-up follow the diagrams to assemble each gable in 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).
3	END GABLES	
4	PORCH SIDES	The porch sides (the L-shaped area to the left and right of the porch gable between cills and gutters level) can either be built in situ piece by piece or built away from the structure as an L-shape and then attached in a similar manner to plain gable/s to rear. Please ensure that where relevant you slide 2 x 22mm bolts into the side bars for the attachment of the DV100 eaves spandrels.
5	MAIN FRAME ASSEMBLY	Take the rear (1) and the end gables (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. Once the porch sides (4) have been attached to the main building then the porch gable (2) can be inserted between them in the same way you would attach a end gable to the rear. You will now have a T-shaped framework. It is important that you check that the internal diagonal measurements within the building are equal to ensure that the building is square, spending a little time on this now will speed up roof assembly and glazing. On buildings longer than 12' the end gable (1) should attach to the extension sides (see separate manual) first before the rear maintaining 620mm spacings, e.g. a 16' building = end (3), 4' handed extension sides, 8' rear (1), 4' handed extension sides, end (3).
6a	REAR ROOF	Attach the main ridge between the end gables and then the rubbered-up roof bars 'DV253' 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 rear (section 1) and roof bars to attach your DV100 and DV101 spandrels. On longer models you may need to carefully prop up the roof and tie the sides together to keep the ridge and gutters straight (i.e. not sagging or bowed) until the building is fully glazed.
6b	PORCH ROOF	The porch ridge can be fitted to the porch gable supporting its free end with ladders or a wooden sprag. The porch hips 'DV381' can now be attached between the welded porch gutter sections and the free end of the porch ridge. A same height porch utilises a DV366 bracket to allow the porch ridge to connect to the main module. Identify all of the handed roof bars and look for their locations. Insert the rubber into their channels and when attaching ensure again that were relevant you slide in 22mm bolts for eave (x2) and roof spandrels (x2). Eave and Roof sprandrels can now be attached using the previously inserted 22mm bolts. The ladders / sprag supporting the porch ridge free end can now be removed. Prior to glazing the cresting and finials should be siliconed into place. Attaching them once the glass has been installed by leaning through vent apertures is more time consuming.
7a	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.
7b	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 (10).
8	LOUVRE	They attach to the building during the glazing process (9) 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. On the 8' long building they will both have to go back centre side by side.
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. The porch cowlings 'DV340' should be attached before the vents are inserted so that access through vent apertures is available. Silicone the cowling area internally, position cowls and VERY carefully (avoiding glass below) mark, and screw x 2 'EV0329' into place. IMPORTANT: Silicone the cowling externally and check with watering can than the cowl is water tight, note silicone can be moulded shortly after application if you wet your fingers. 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.
10	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 autovent/s.
11	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. IMPORTANT: 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.
12	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.
13	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.
14	OPTIONAL REAR SHELVING	Robinsons integral cantilever staging and shelving attaches to the inside of the greenhouse frame using either hex / square head bolts (insert four into each glazing bar 'D066' during construction of the rear (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...
15	OPTIONAL REAR STAGING	

Section Ref	Part No.	Section	Size (mm)	7 8	7 12
1	D021		2514	1	
	D023		3754		1
	DV210		2517	1	
	DV212		3757		1
	D103		1787	2	
	D066		1676	3	5
	RUBBER		1000 (1m)	10.5	17
	D174		N/A	2	3
2	DV224L		540	1	
	DV224R			1	
	D048		1676	2	
	DV233L		2173	1	
	DV233R			1	
	DV269		468	2	
	DV290		1679	2	
	DV250L		1345	1	
	DV250R			1	
	D671		610	1	
	DV275		904	1	
	D163		90	2	
	DV104		N/A	2	
	DV105		N/A	1	
	RUBBER		1000 (1m)	20	
	D174		N/A	4	

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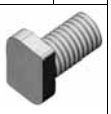
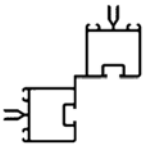
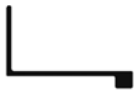
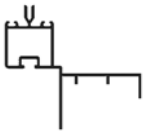
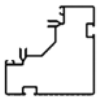
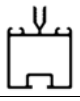
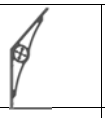
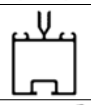
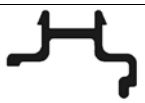
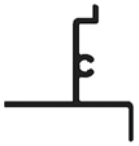
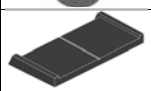
MAIN FRAME QUANTITIES

VENTS / DOORS etc SEPERATE

Part No.	7 8	7 12
FS6505 HEX 12mm		
	112	124
HE569 *10mm CROP*		
	10	10
FS6506 HEX 16mm		
	47	65
FS6507 HEX 22mm		
	14	22
FS6504 M6 NUT		
	183	223
FS6018 *19mm*		
	2	

Section Ref	Part No.	Section	Size (mm)	7 8	7 12
3	DV230		1984	2	
	D048		1676	4	
	DV233L		2173	2	
	DV233R			2	
	DV260		2612	2	
	DV272		1840	2	
	DV290		1679	4	
	DV250L		1345	2	
	DV250R			2	
	DV104		N/A	4	
	DV105		N/A	2	
	RUBBER		1000 (1m)	48	
	D174		N/A	6	
4	DV345		303	2	1
	DV348		923		1
	DV357		923		1
	DV361		303	2	1
	DV362		1676	2	
	DV393		327X327	2	
	DV394		327X947		1
	DV395				1
	D066		1676		2
	RUBBER		1000 (1m)	7	14
	D174		N/A	2	4

Section Ref	Part No.	Section	Size (mm)	7 8	7 12
6	DV100		N/A	3	7
	DV101		N/A	3	5
	DV201		2517	1	
	DV203		3757		1
	DV349A		1230	1	
	DV253		1345	3	7
	DV366		N/A	1	
	DV375L		830	2	
	DV375R			2	
	DV381		1668	2	
	RUBBER		1000 (1m)	16	26

Section Ref	Part No.	Section	Size (mm)	7 8	7 12
9	2	D662		600	1	
	1 / 4	D812		1660	7	11
	10	DV479		1384	1	
	2 / 3	DV633L/R		2173	3 + 3	
	6	DV653		1378	3	7
	3	DV660		2612	2	
	6b	DV675L/R		863	2 + 2	
	2 / 3	D813		1675	6	
	1 / 4	D834		1660	6	
	6	DV650		1345	6	
	2	D666		602	1	
	1 / 4	D825		1660	13	17
	2 / 3	D826		1677	6	
	10	DV480		1384	1	
	2 / 3	DV634L/R		2173	3 + 3	
	6	DV656		1378	9	13
	3	DV666		2612	2	
	6b	DV679L/R		863	2 + 2	
	9	DV340		N/A	2	
	9	EV0329		12	2	
11	D522		N/A	10	
7	D866		639	2	4
	D863L		613	2	4
	D863R		613	2	4
	D862		593	2	4
	D079 PLUS FLUFF		590	2	4
	D114		N/A	4	8
	D220 PLUS FS6060 SCREW		N/A	4	8
	D205		N/A	4	8
13	D119			1	
	DV120		N/A	6	
	D589		N/A	4	6
	D584		1500	4	6
	D591		N/A	4	6
	D636		N/A	4	6
	D583		N/A	4	6
	D208		N/A	3	
	DV219A (RH)		N/A	3	
	DV218A (LH)		N/A	3	

Victorian Raynham

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

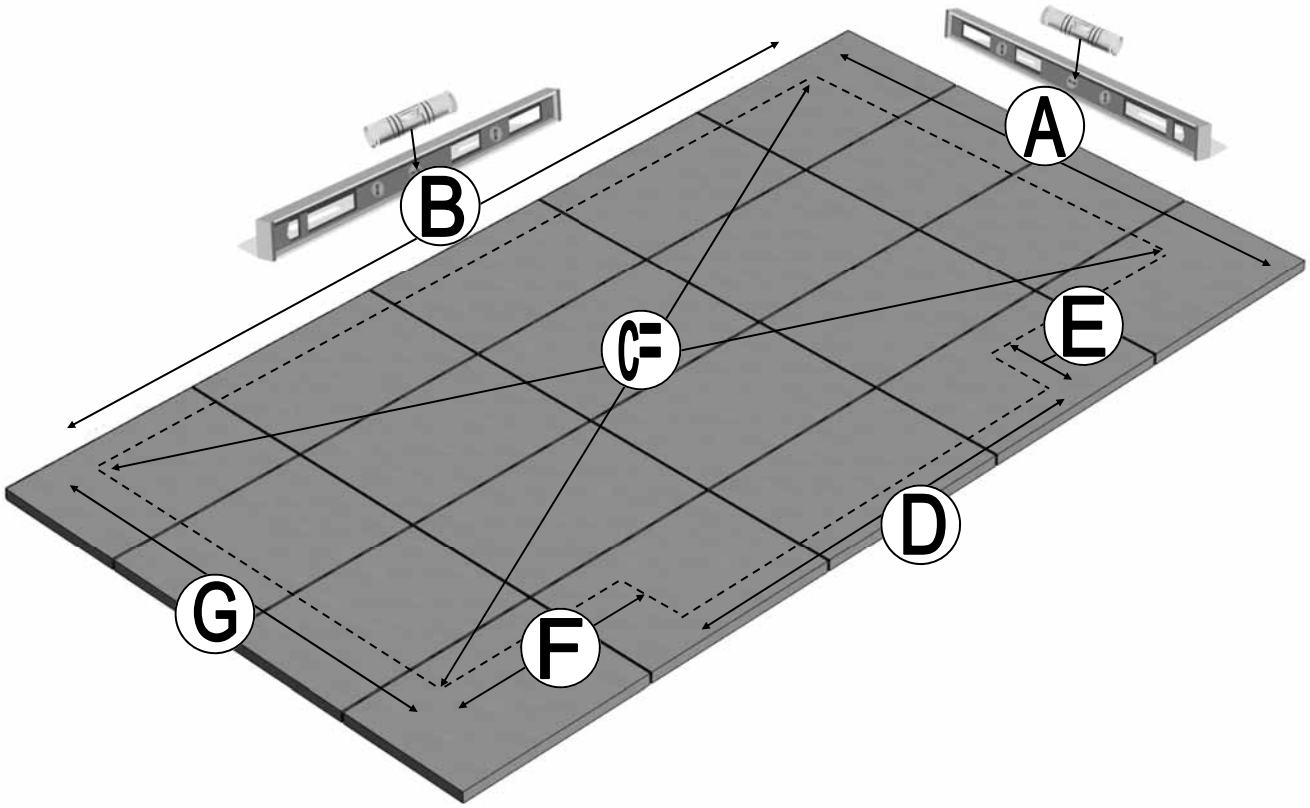
We cannot emphasis how important it is to have a proper base for your Robinsons Greenhouse to be erected upon.

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.



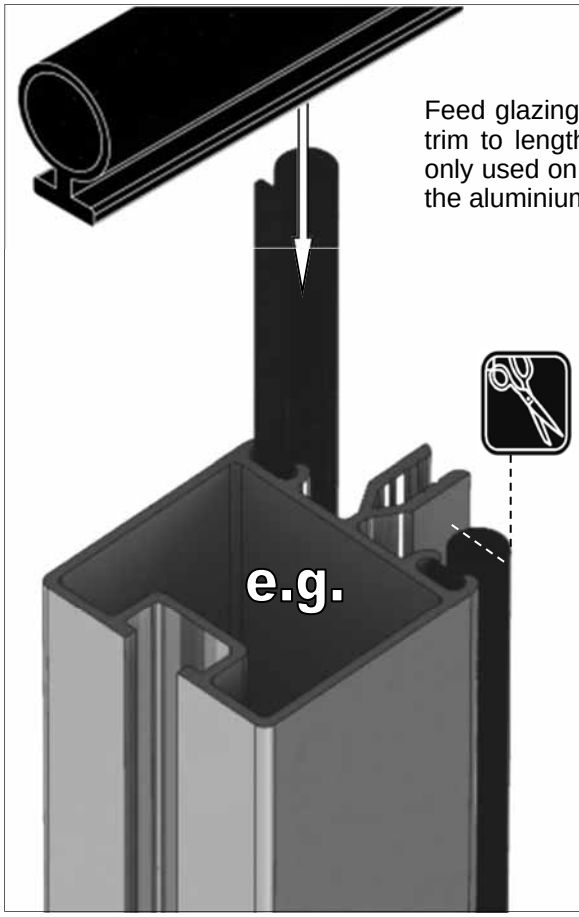
EXTERNAL DIMENSIONS (mm)

Model sizes listed are **nominal**, use 'mm' measurements.
i.e.: an 7 x 12 is the model 7'6" x 12'7"

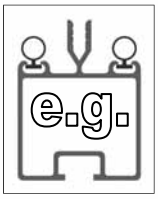
MODEL		A (mm) TOTAL WIDTH	B (mm) LENGTH	C (mm) DIAG	D (mm) PORCH	E (mm) PORCH DEPTH	F (mm) RETURN LENGTH	G (mm) WIDTH
RAYNHAM 7 VICTORIAN	7 x 8	2302	2632	3289	1972	330	330	1972
	7 x 12		3872	4345			950	
	7 x 16		5112	5479			1570	
	7 x 20		6352	6651			2190	

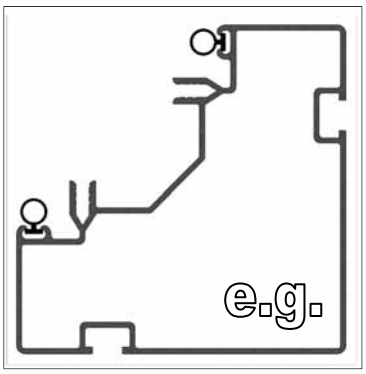
B

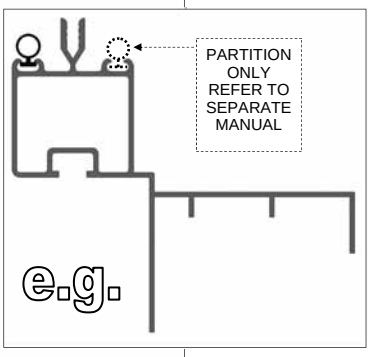
Victorian Raynham

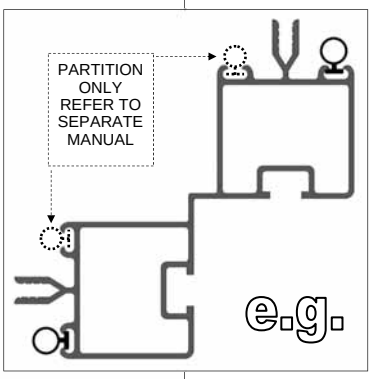


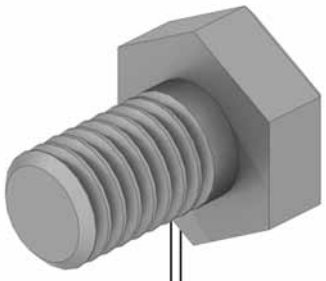
Feed glazing rubber into each glazing bar and trim to length. Notice that some channels are only used on a partition. Applying a lubricant to the aluminium channels will speed up insertion.





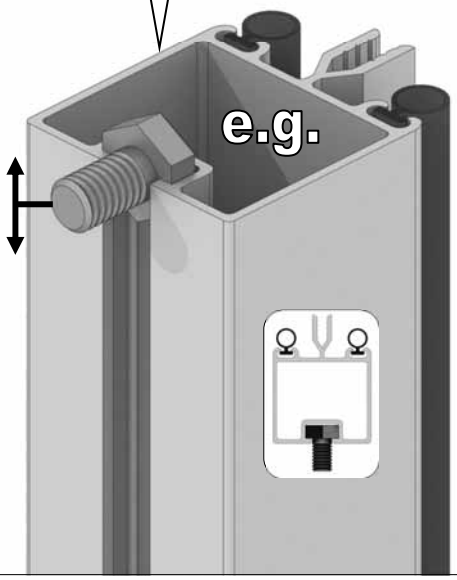






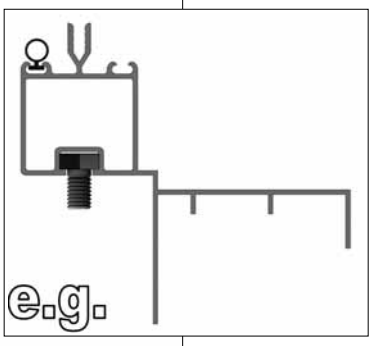
Robinsons have now upgraded the original square headed alloy bolts to stainless steel **Hexagonal** headed bolts. The frame is assembled by feeding these bolts, either 12mm, 16mm or 22mm in length (previously 10mm, 15mm and 22mm) into the slots on glazing bars and then locating those bolts through holes in purlings and cills, etc… The 12mm bolts tend to be used to join two parts together and the 16mm bolts tend to be used to join two or more parts or where an extrusion is thicker. 22mm bolts are for your eave and ridge spandrels (DV100 / DV101).

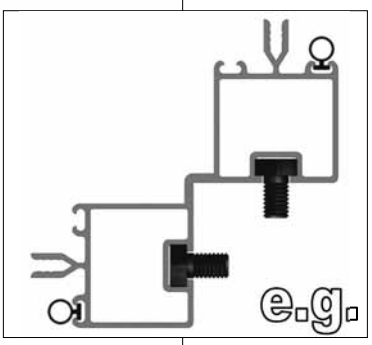
Twist in (rectangular) crop headed bolts are also used towards the end of construction to attach components to the frame retrospectively when the glazing bar slots are no longer exposed at the ends.



If an image in the manual shows a square headed bolt please interpret it as the new HEX headed replacement.

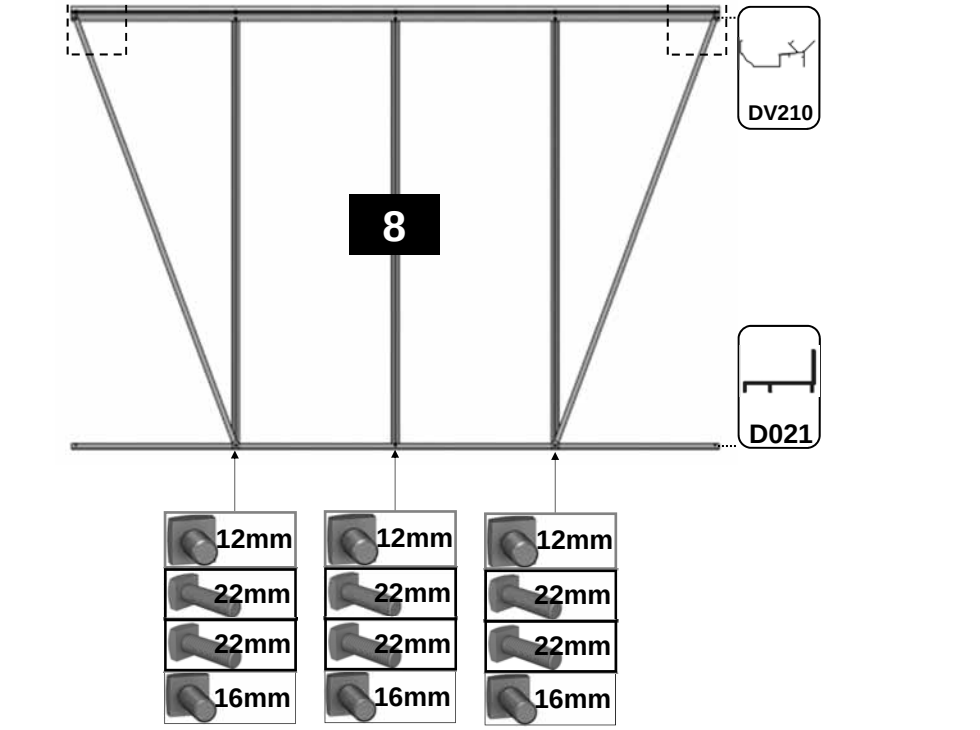
	ORIGINAL SQUARE HEAD		NEW HEX HEAD
10mm		12mm	
15mm		16mm	
22mm		22mm	



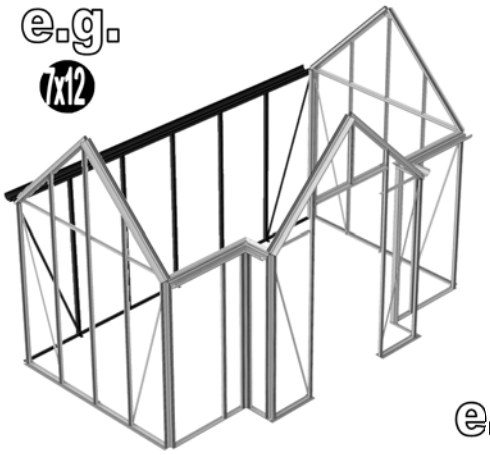


REAR		7 x 8	7 x 12
Part No	mm	Quantity	
DV210	2517	1	
DV212	3757		1
D021	2514	1	
D023	3754		1
D066	1676	3	5
D103	1787	2	
D174		2	3
BOL M6X12		3	5
BOL M6X16		5	7
BOL M6X22		6	10
NUT M6		8	12
D227 Rubber	1000	10.5	17

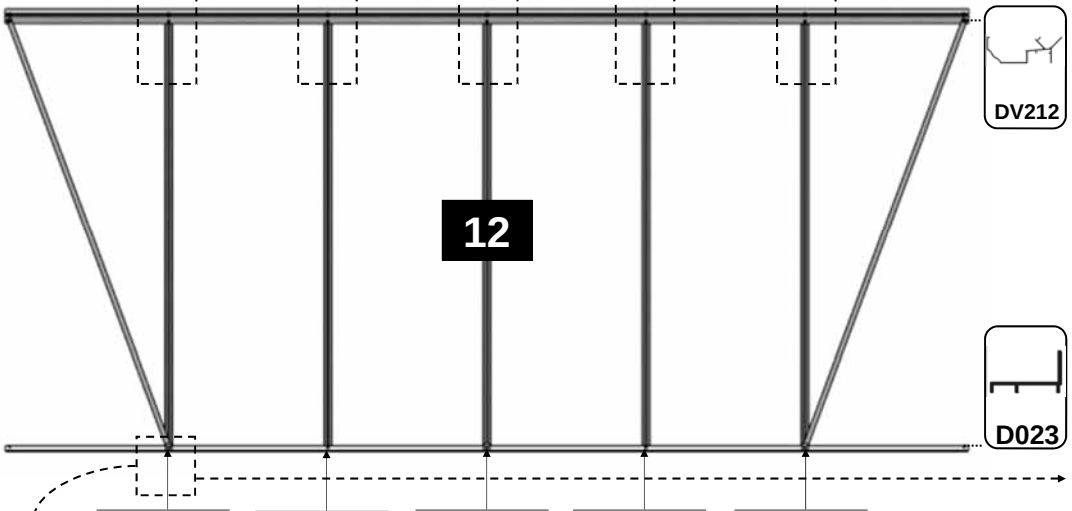
e.g. 1



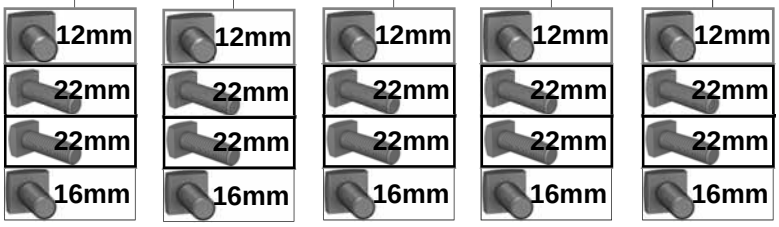
e.g. 1x12

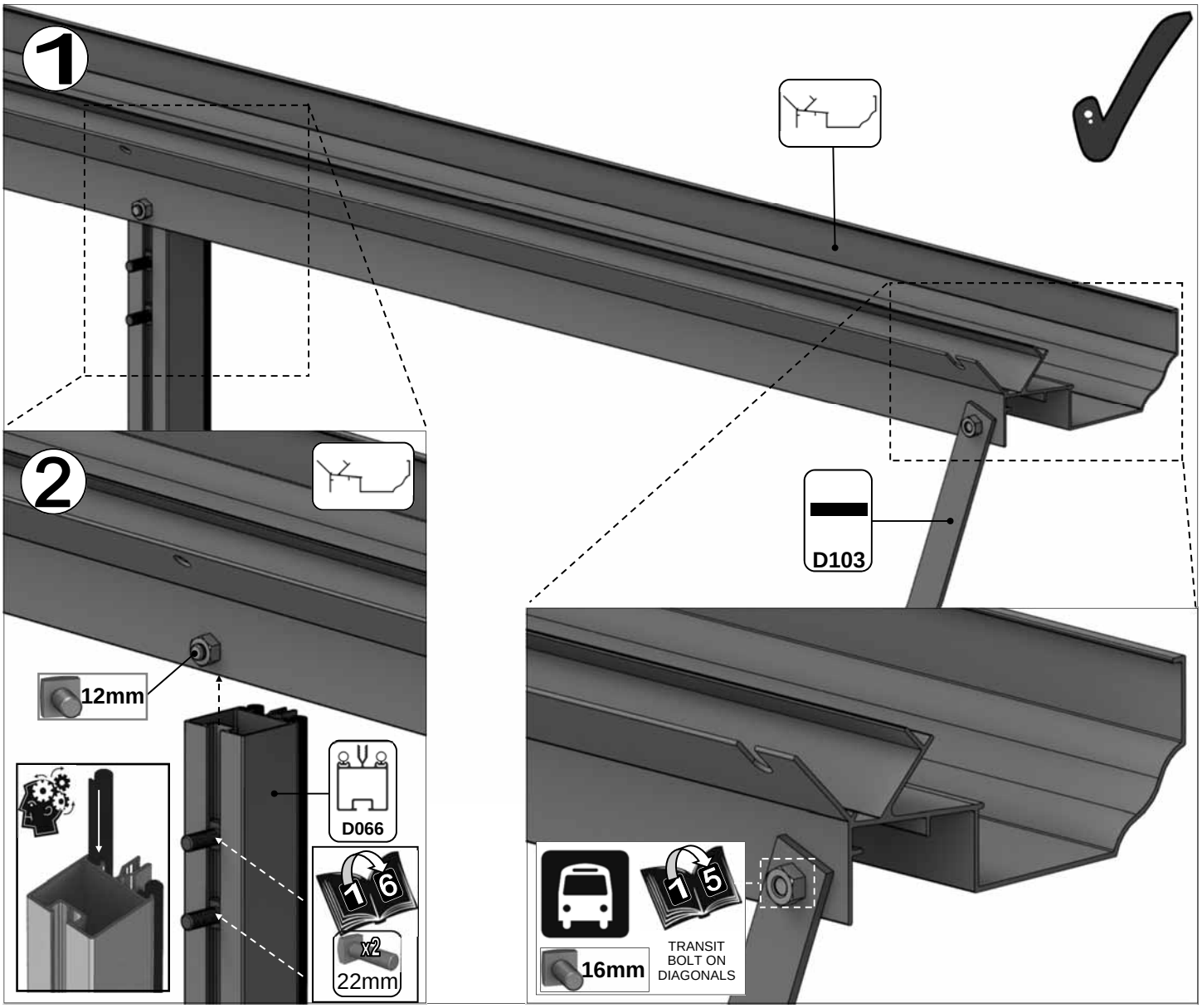


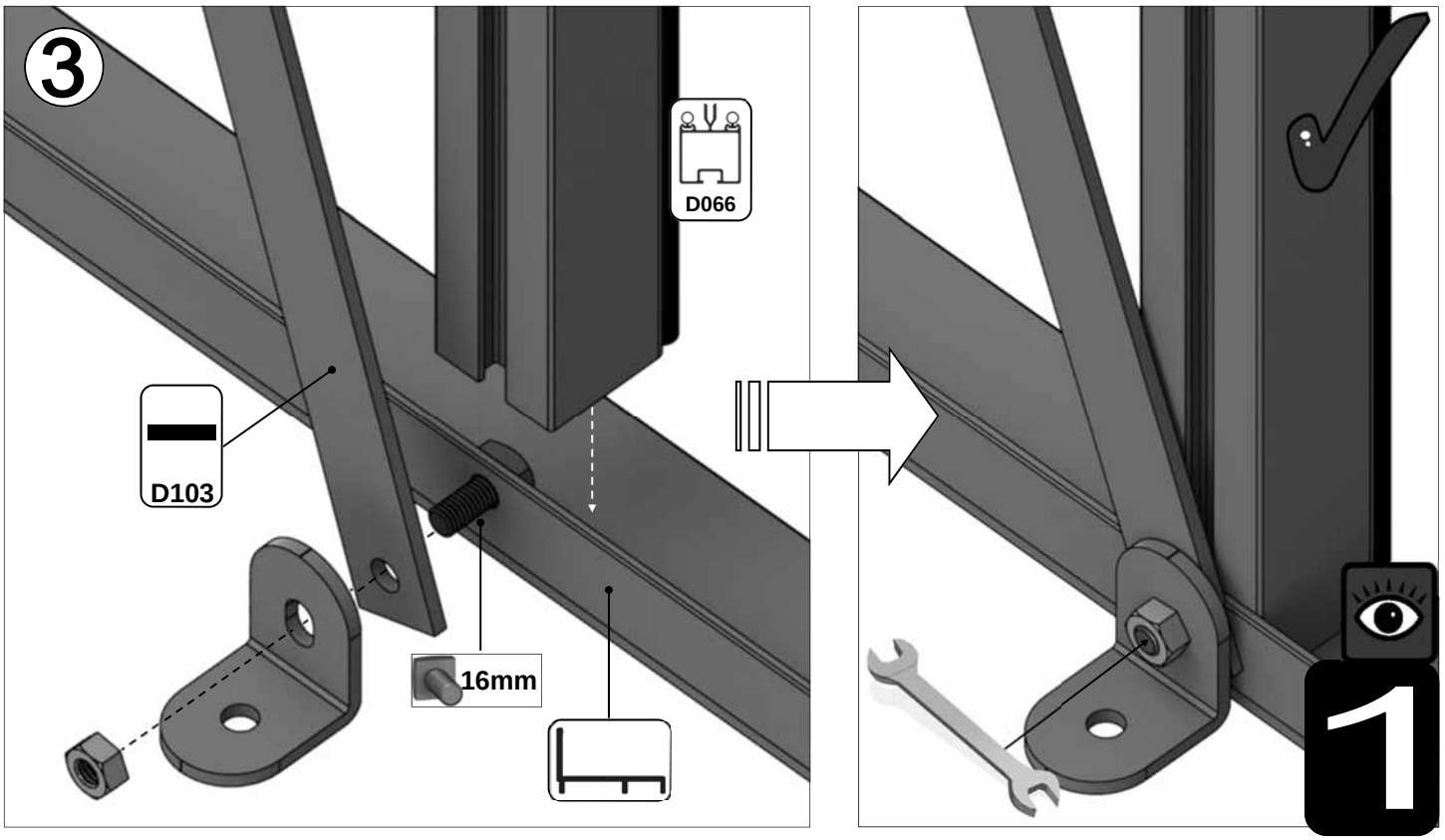
e.g. 2



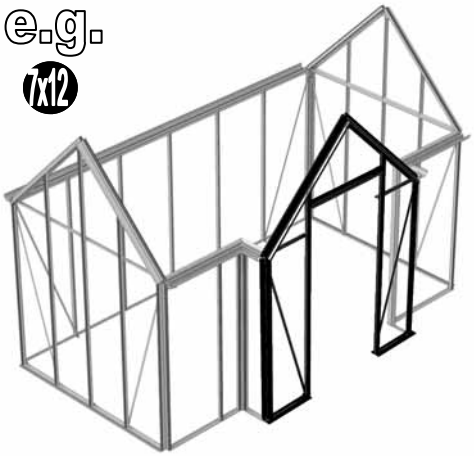
e.g. 3




1
2
D103
12mm
D066
1 6
x2
22mm
1 5
16mm
TRANSIT
BOLT ON
DIAGONALS

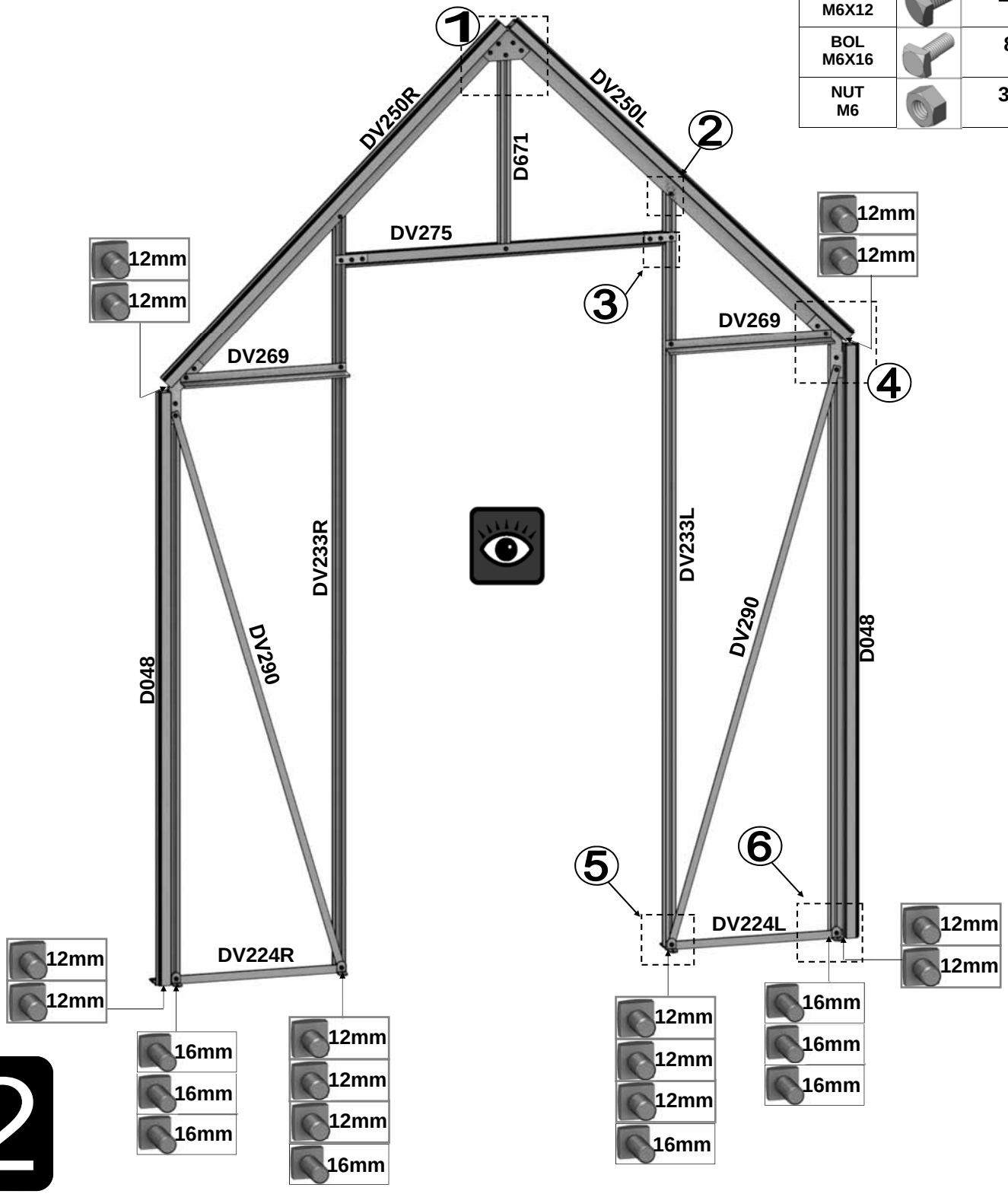

3
D066
D103
16mm
1

e.g.

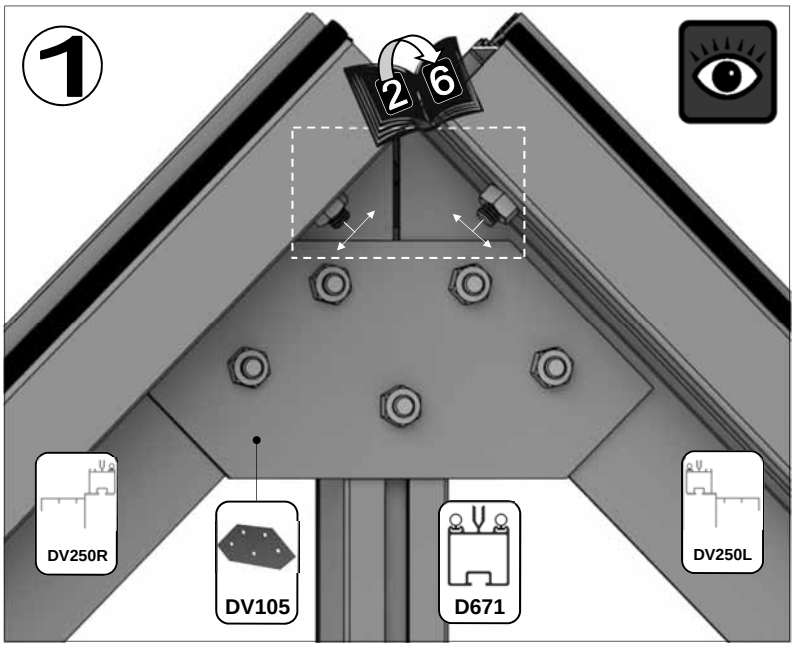


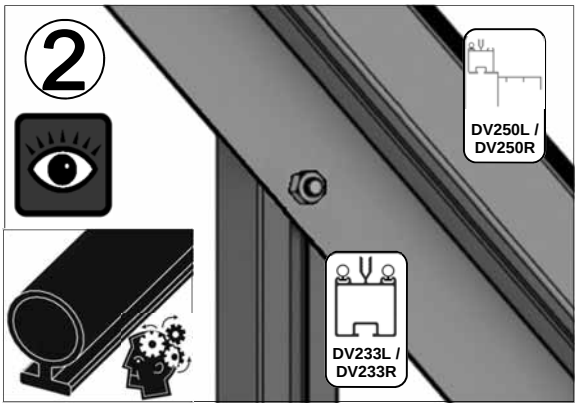
PORCH GABLE		
Part No	mm	Quantity
D671	610	1
D048	1676	2
DV224L	540	1
DV224R	540	1
DV233L	2173	1
DV233R	2173	1
DV250L	1345	1
DV250R	1345	1

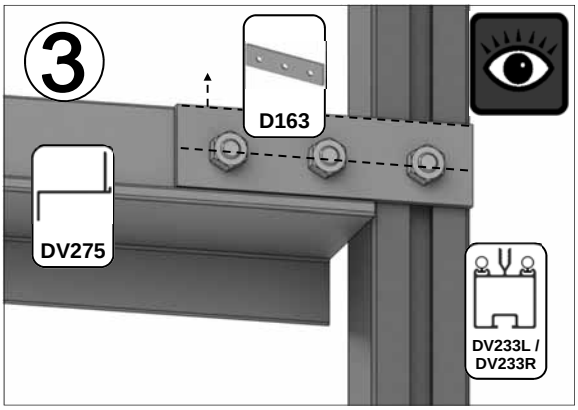
Part No	mm	Quantity
DV269	468	2
DV275	904	1
DV290	1679	2
DV104		2
DV105		1
D163		2
D174		4
D227 Rubber	1000 	20
BOL M6X12		28
BOL M6X16		8
NUT M6		36

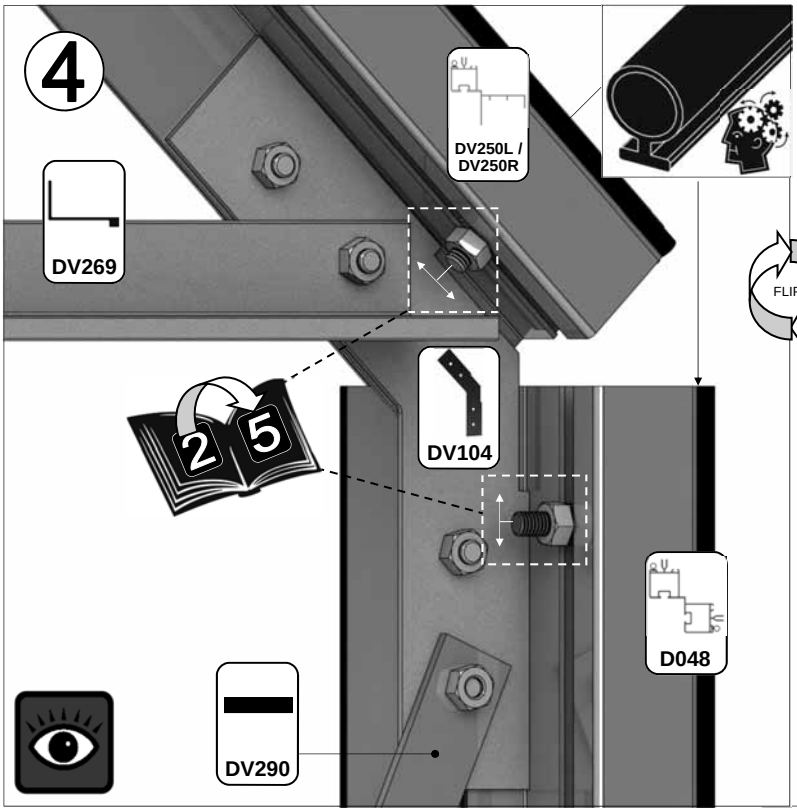


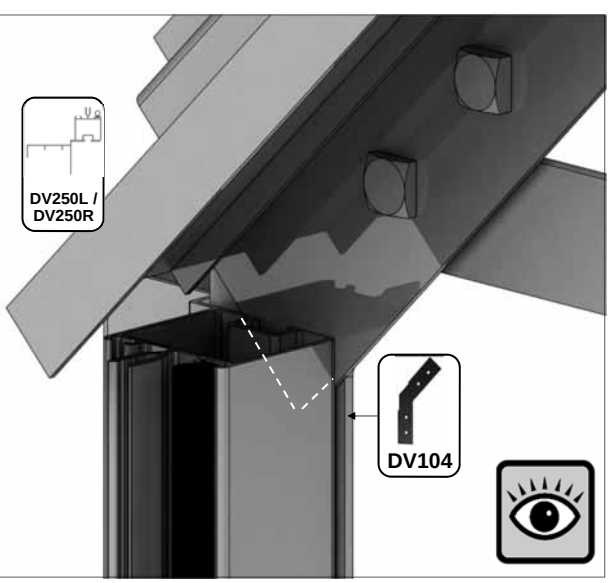
2

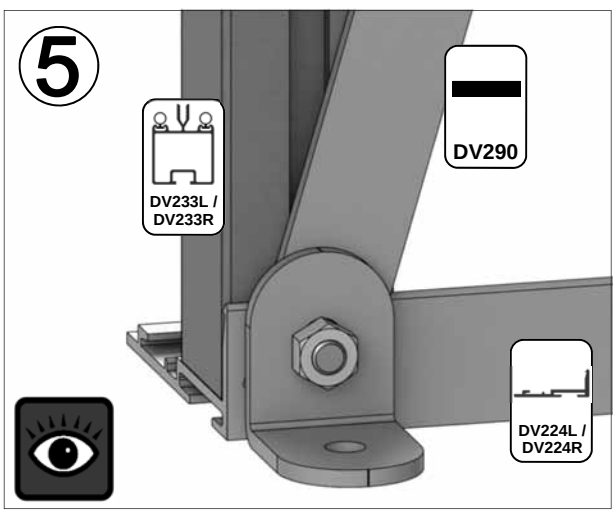

1
2 6
DV250R
DV105
D671
DV250L

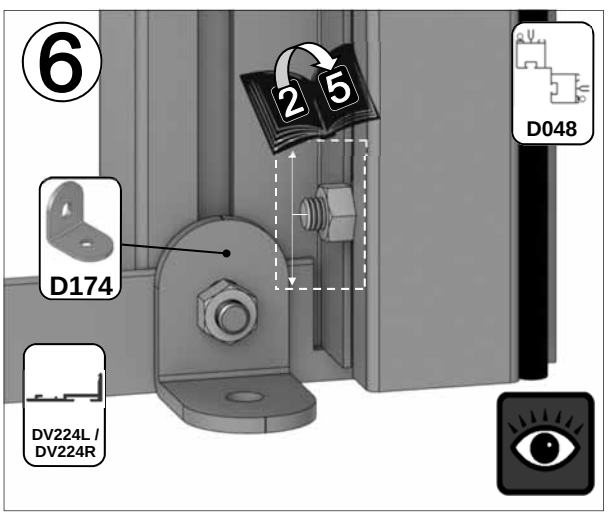

2
DV250L /
DV250R
DV233L /
DV233R


3
D163
DV275
DV233L /
DV233R


4
DV250L /
DV250R
DV269
2 5
DV104
D048
DV290


FLIP
DV250L /
DV250R
DV104


5
DV233L /
DV233R
DV290
DV224L /
DV224R

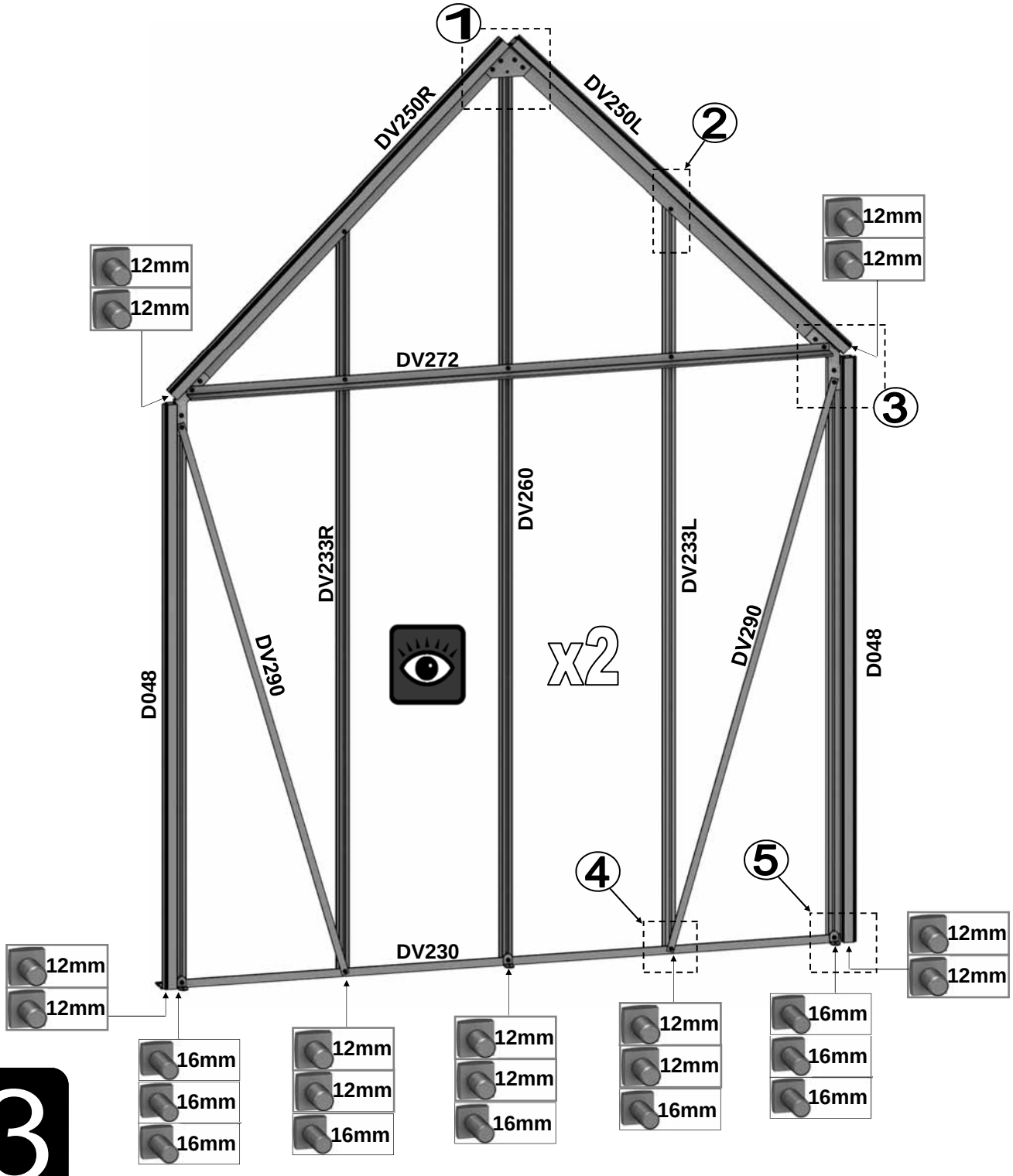

6
2 5
D048
D174
DV224L /
DV224R

2

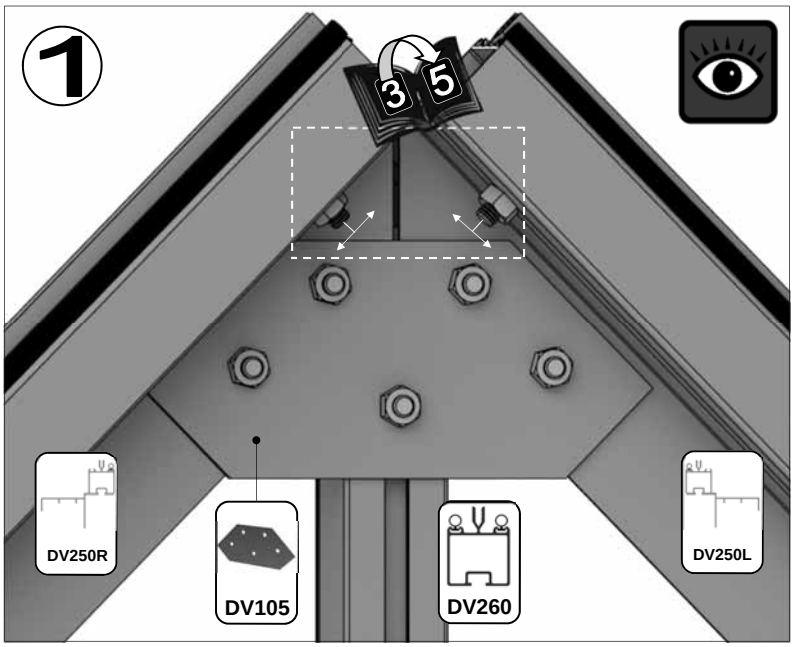
e.g.

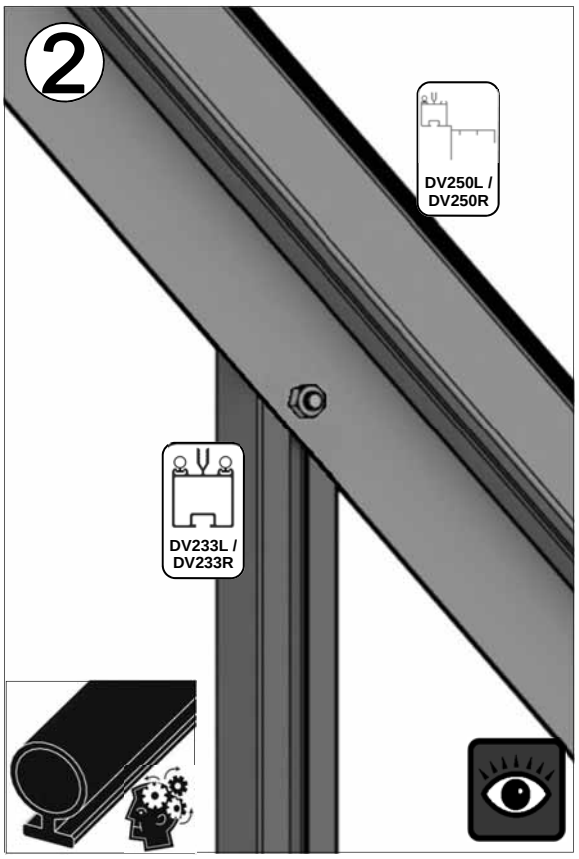
END GABLE X 2		
Part No	mm	Quantity
D048	1676	4
DV230	1984	2
DV233L	2173	2
DV233R	2173	2
DV250L	1345	2
DV250R	1345	2
DV260	2612	2
DV272	1840	2
DV290	1679	4

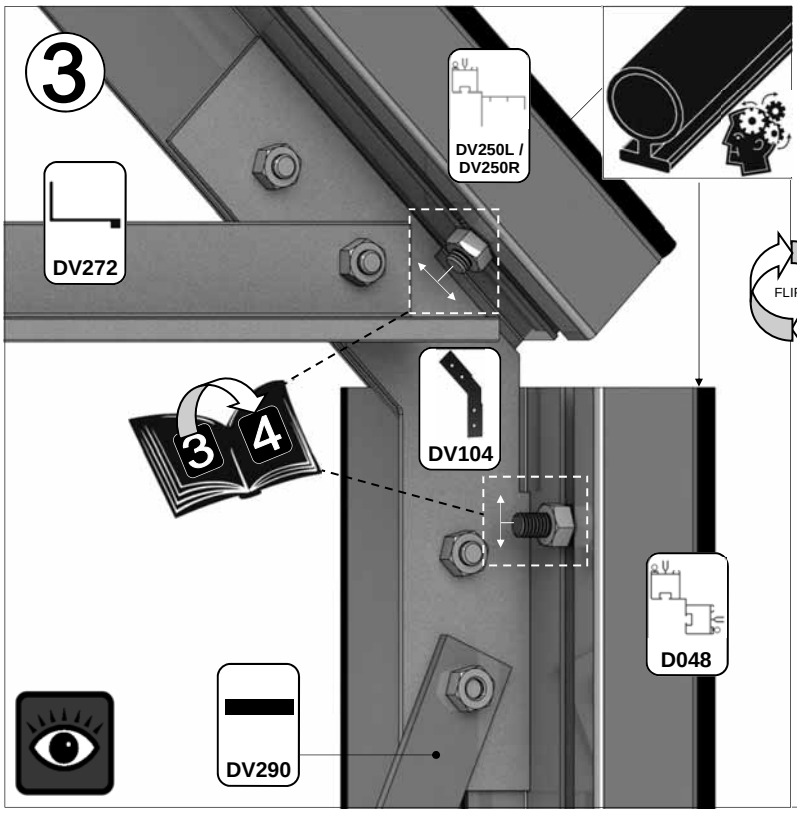
Part No	mm	Quantity
DV104		4
DV105		2
D174		6
D227		48
M6X12		50
M6X16		18
M6NUT		68

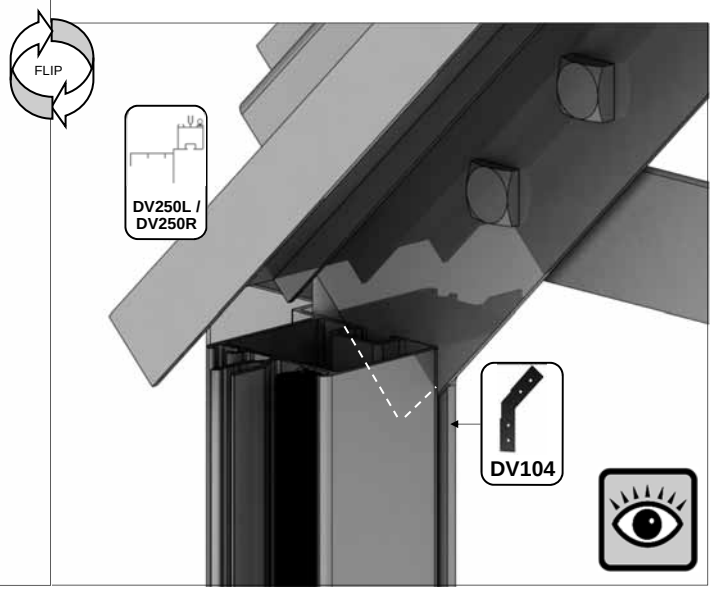


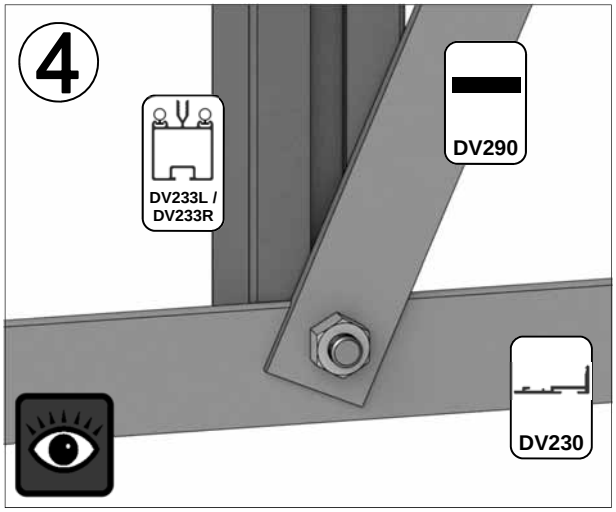
3

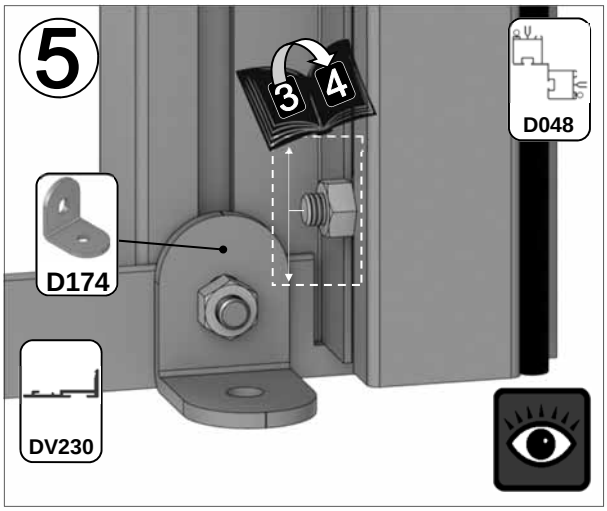

1
3
5
DV250R
DV105
DV260
DV250L


2
DV250L /
DV250R
DV233L /
DV233R


3
DV250L /
DV250R
DV272
3
4
DV104
D048
DV290


FLIP
DV250L /
DV250R
DV104


4
DV233L /
DV233R
DV290
DV230

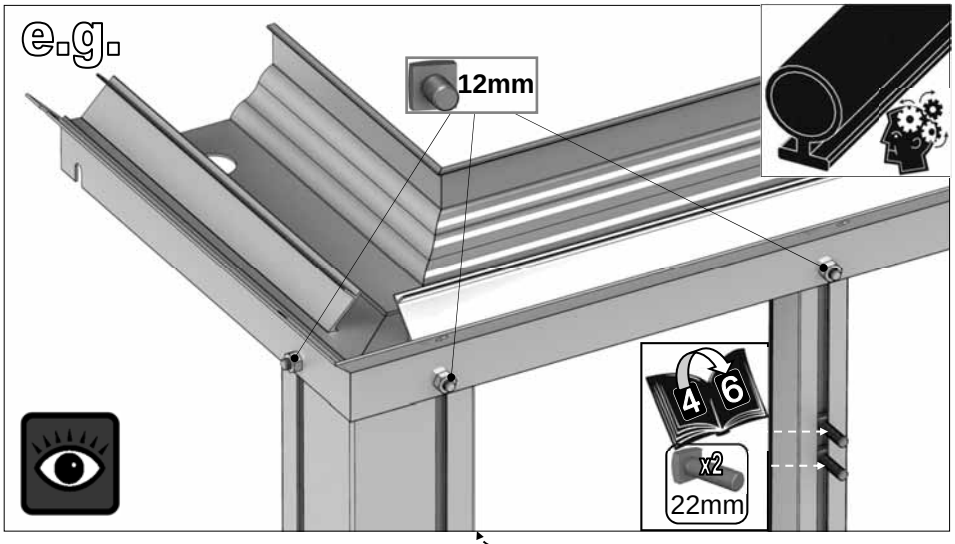

5
3
4
D048
D174
DV230

3

e.g.

1x12

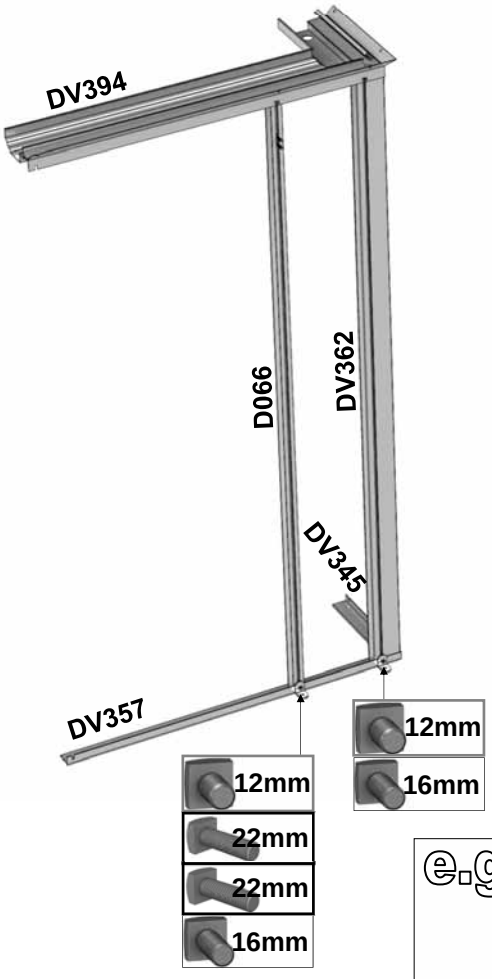
e.g.

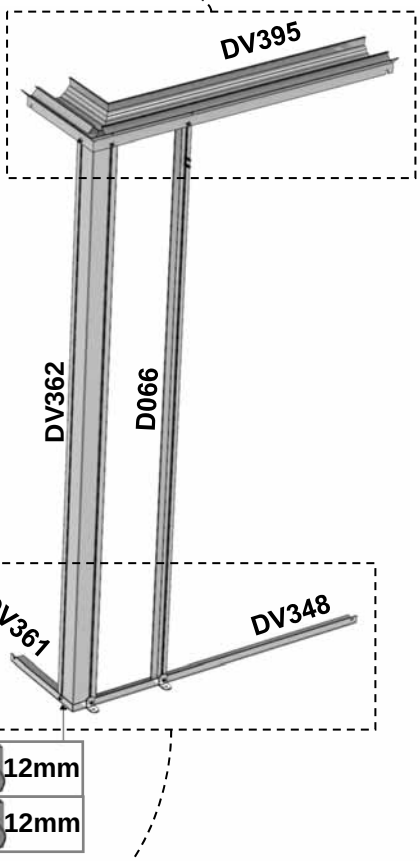


e.g.

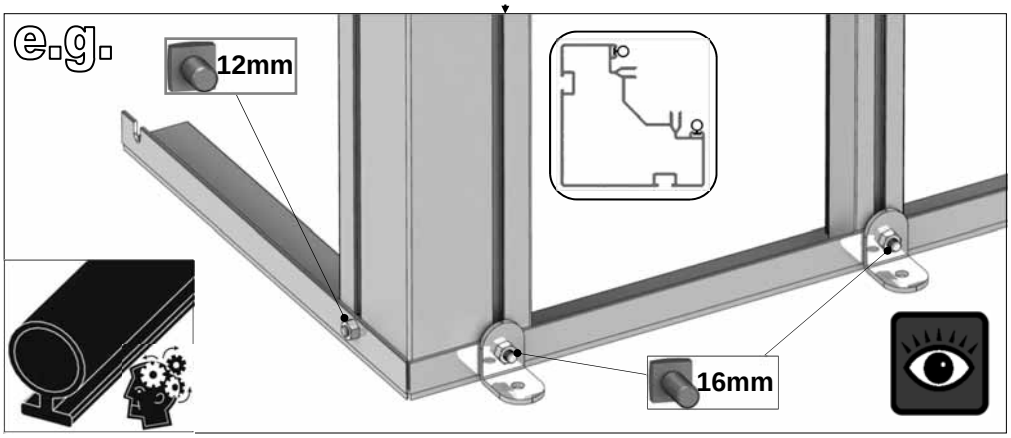
1x12

PORCH SIDES		7x8	7x12
Part No	mm	Quantity	
D066	1676		2
DV345	303	2	1
DV348	923		1
DV357	923		1
DV361	303	2	1
DV362	1676	2	
DV393	327X327	2	
DV394	327X947		1
DV395			1
D174		2	4
D227 Rubber	1000	7	14
BOL M6X12		6	8
BOL M6X16		2	4
BOL M6X22			4
NUT M6		8	12

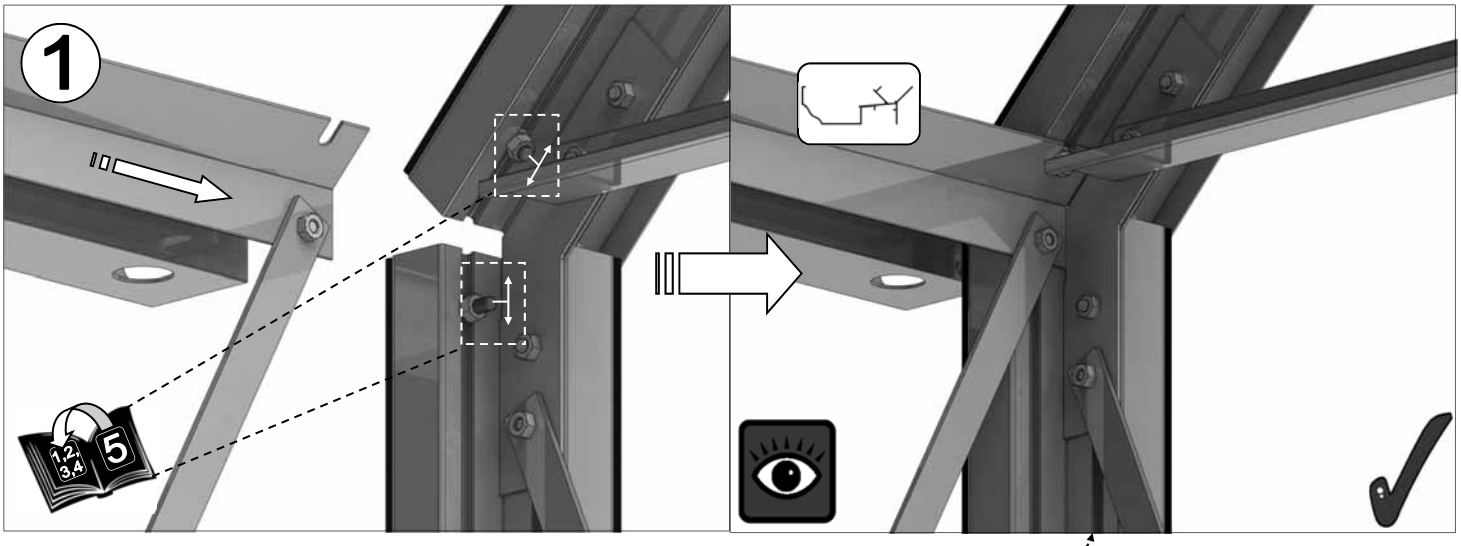


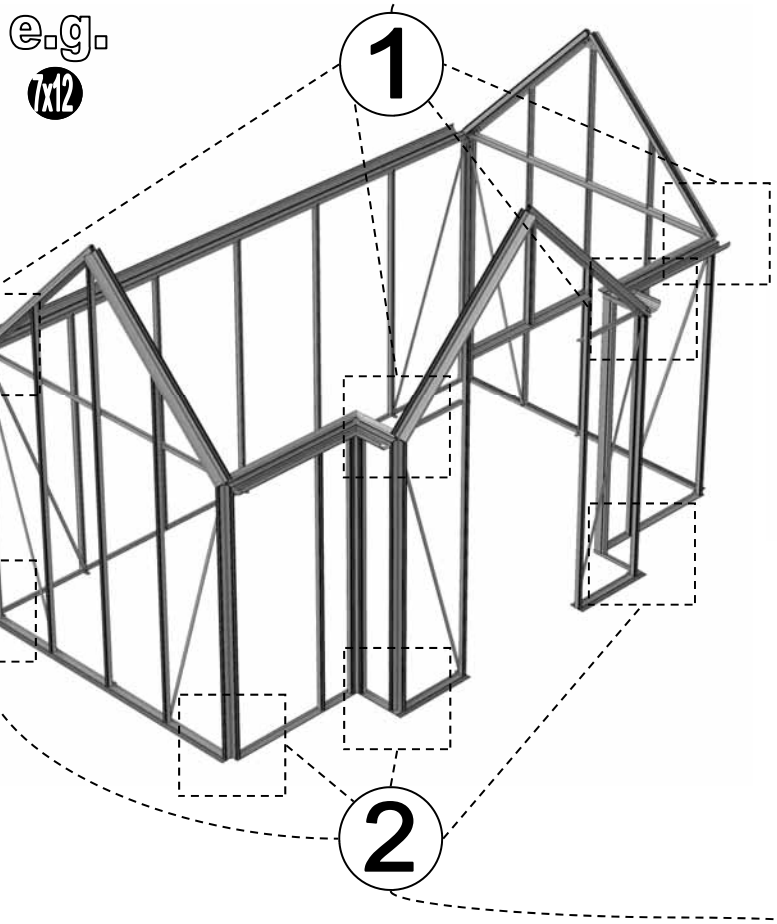


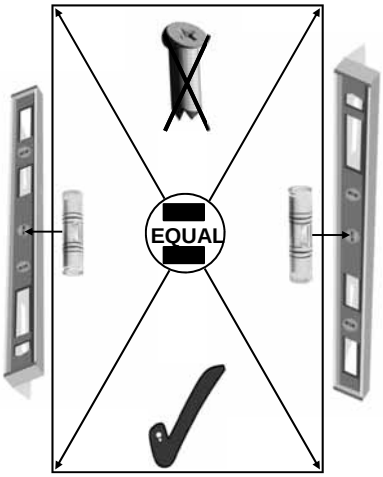
e.g.

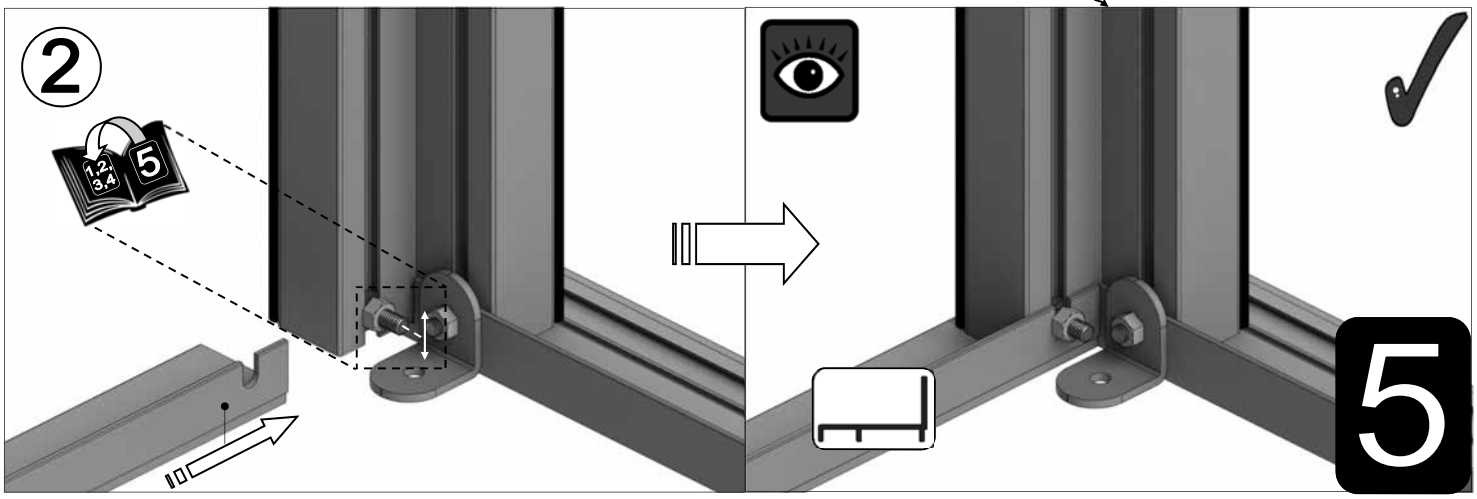


4

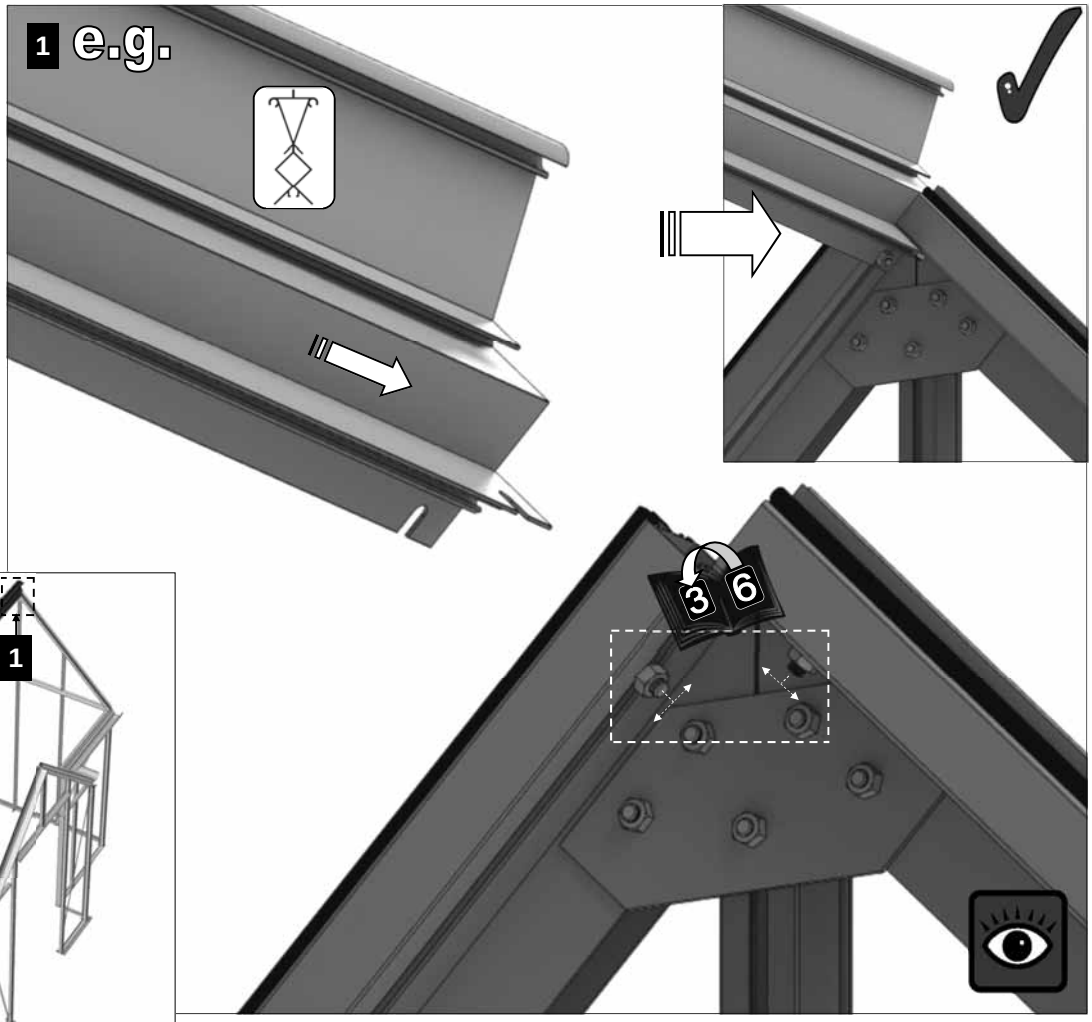

1
1,2,
3,4
5

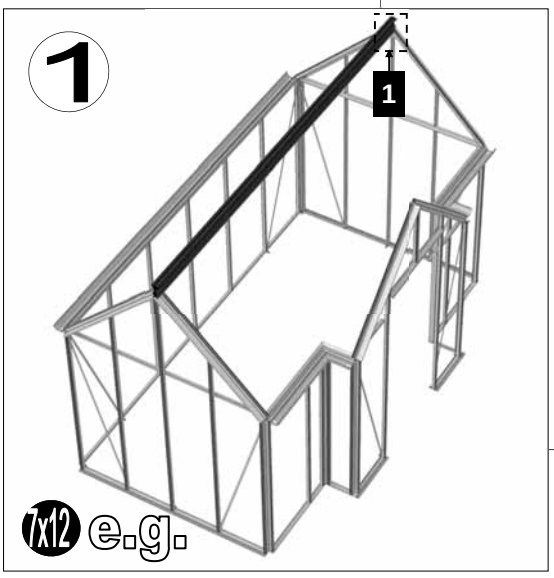

e.g.
1x12
1
2


EQUAL


2
1,2,
3,4
5
5

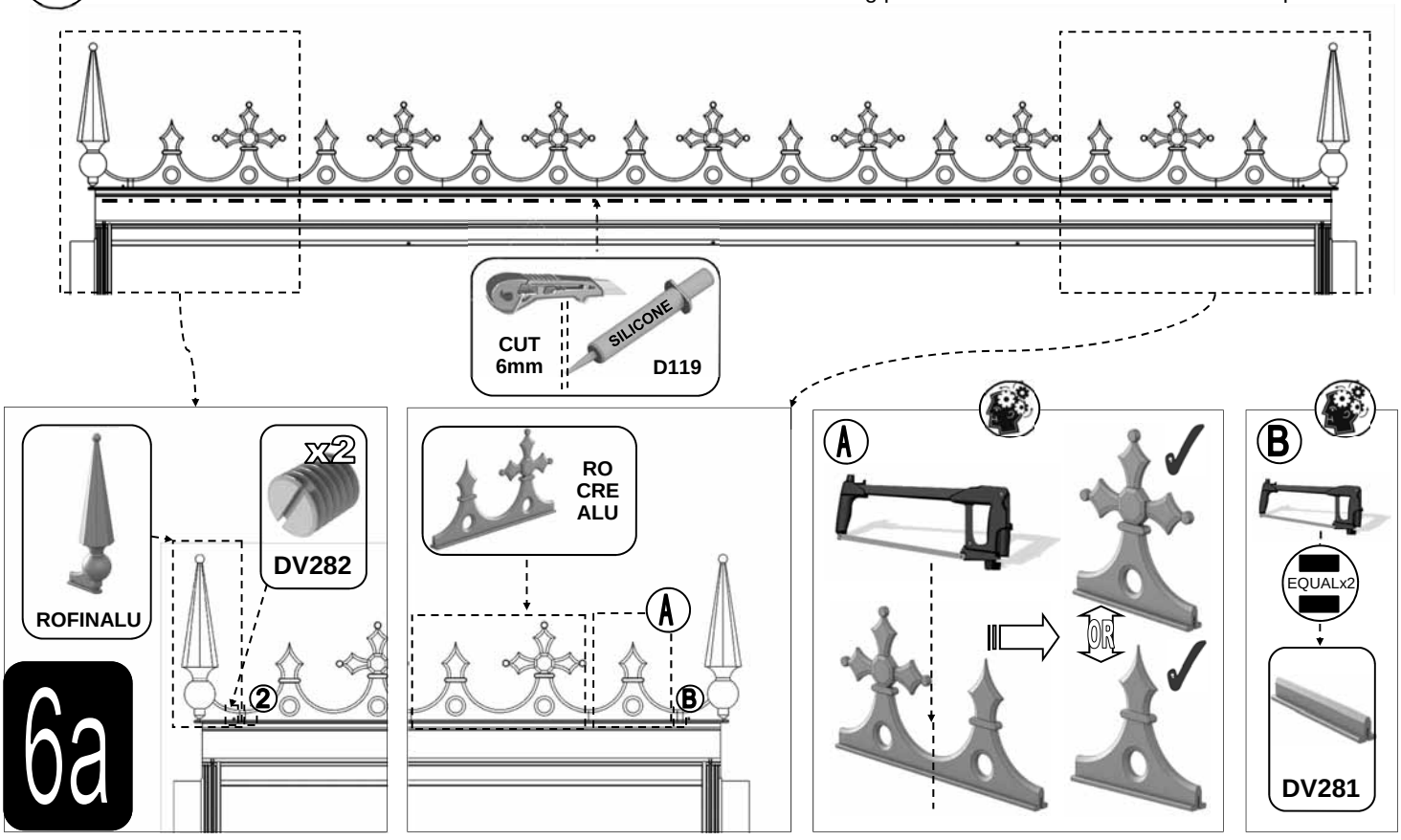
REAR ROOF		7x8	7x12
Part No	mm	Quantity	
DV100	n/a	3	7
DV201	2517	1	
DV203	3757		1
DV253	1345	3	7
D227 Rubber	1000	9	19
BOL M6X12		6	14
BOL M6X22		12	28
NUT M6		24	56

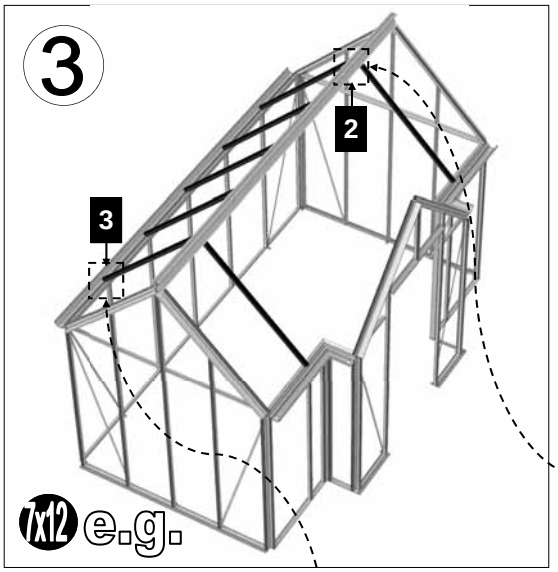


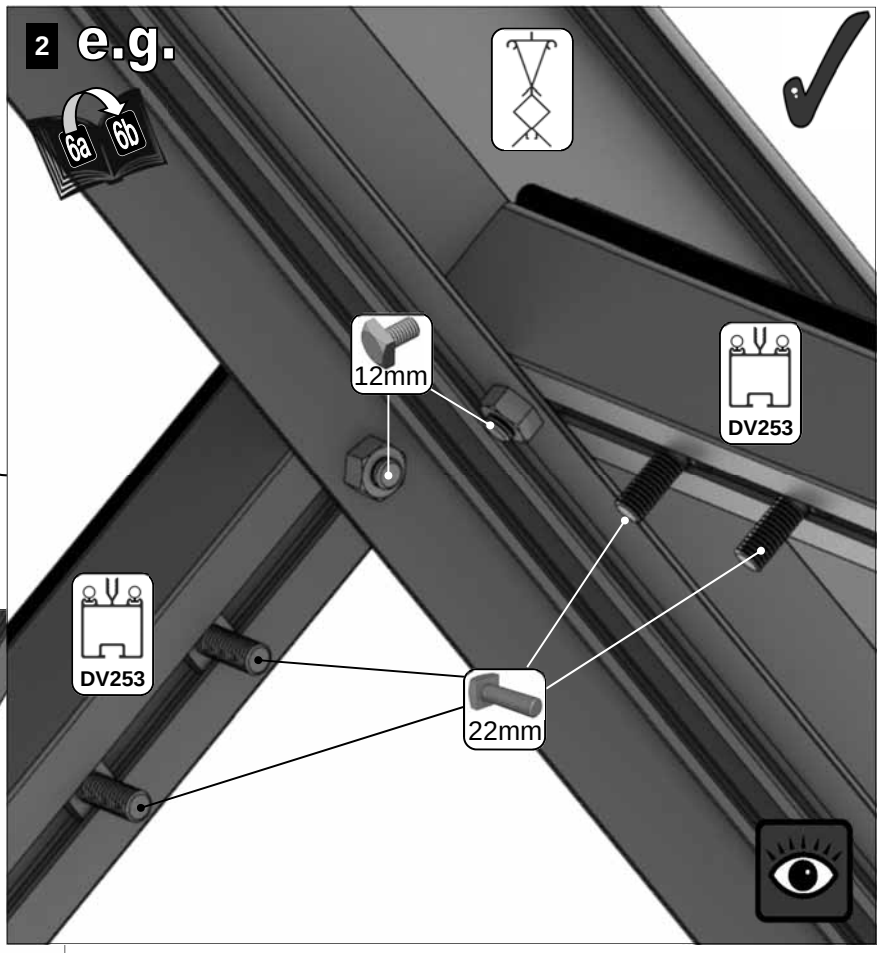


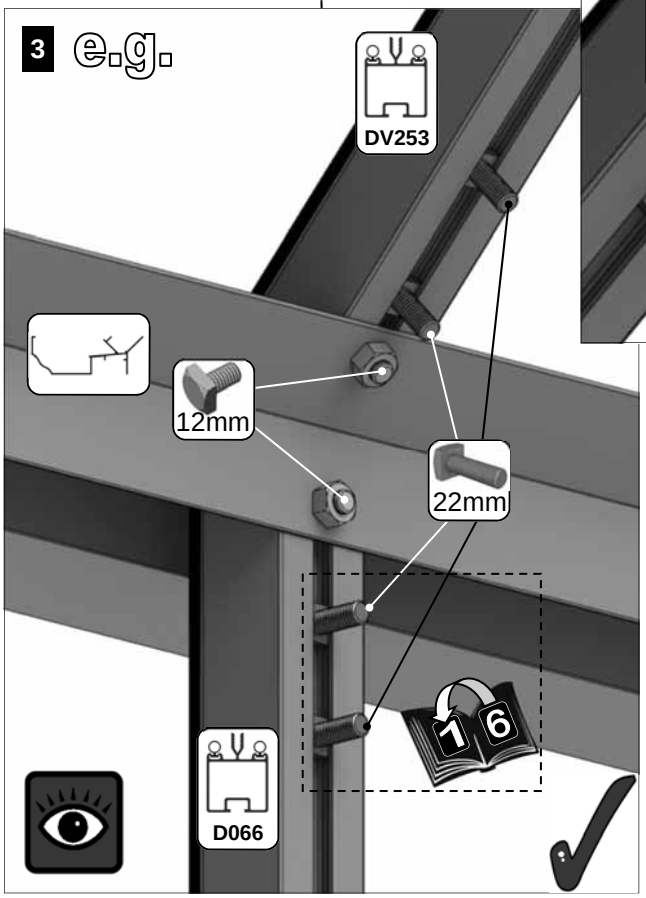
- End finials need to be pinched onto the ridge using 'DV282' grub screws.
- Depending on your ridge length a half cresting may need to be cut. Some spacer bar may also be required 'DV281' cut into two equal sections.
- Each finial and cresting piece needs to be siliconed 'D119' into place.

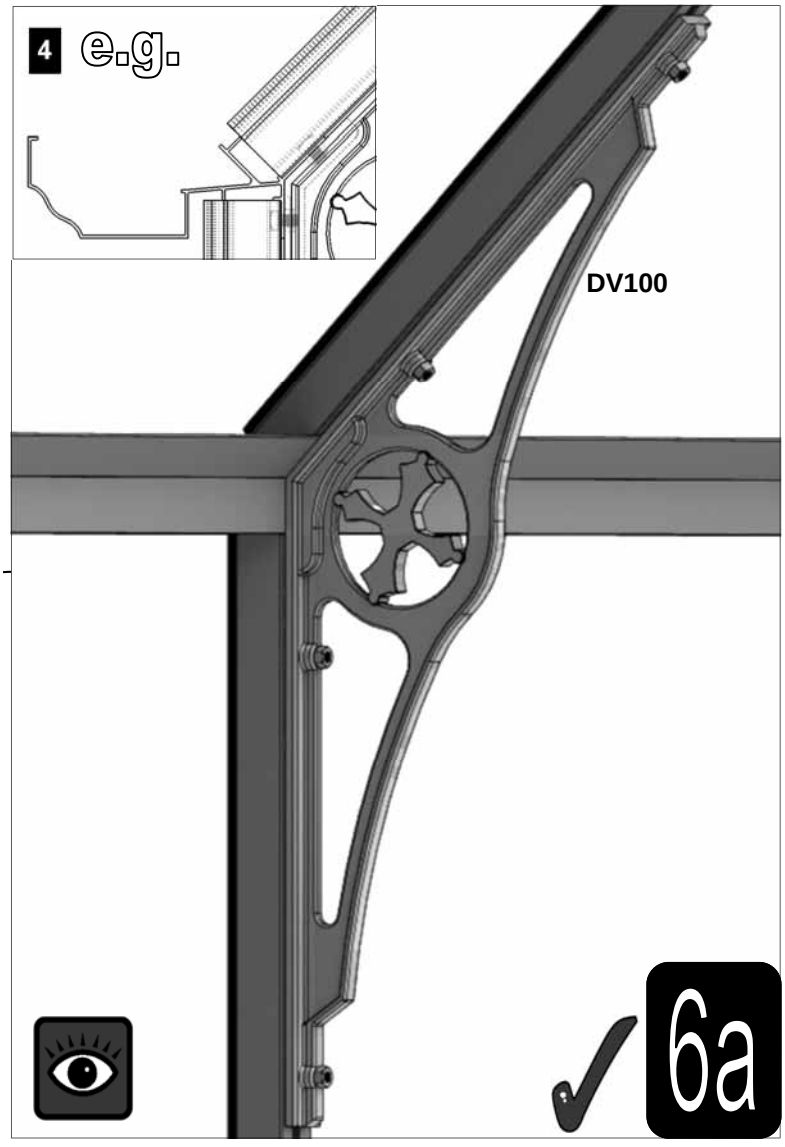
2

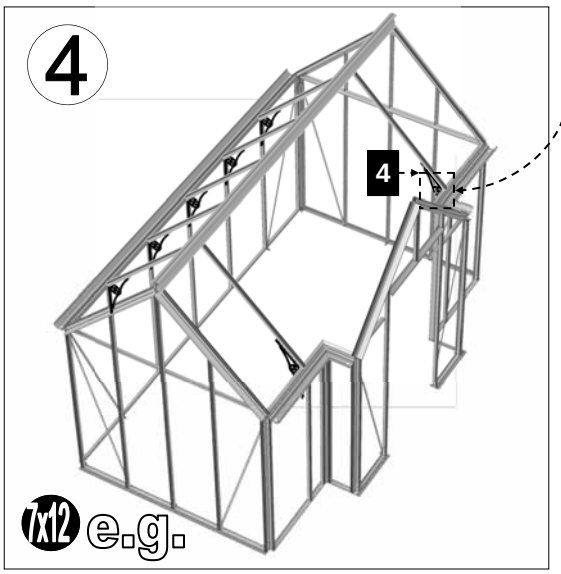



3
2
3
1x12 e.g.

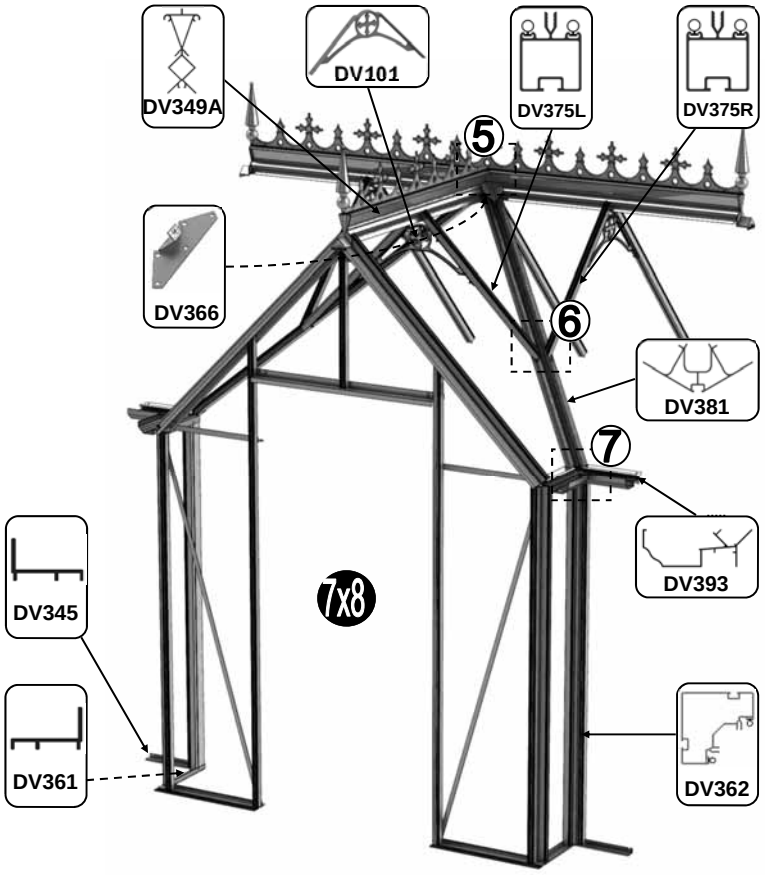

2 e.g.
6a
6b
12mm
DV253
DV253
22mm

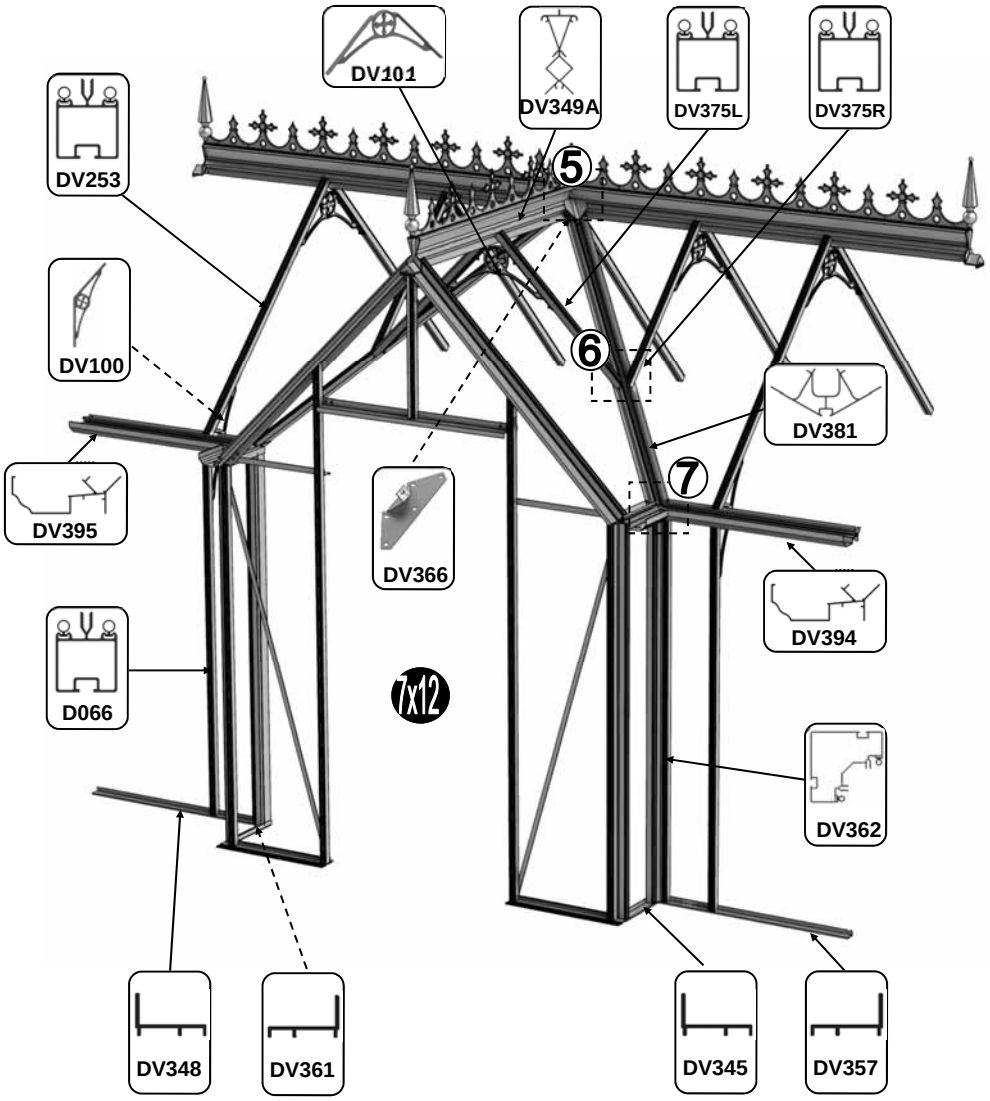

3 e.g.
DV253
12mm
22mm
1
6
D066


4 e.g.
DV100
6a

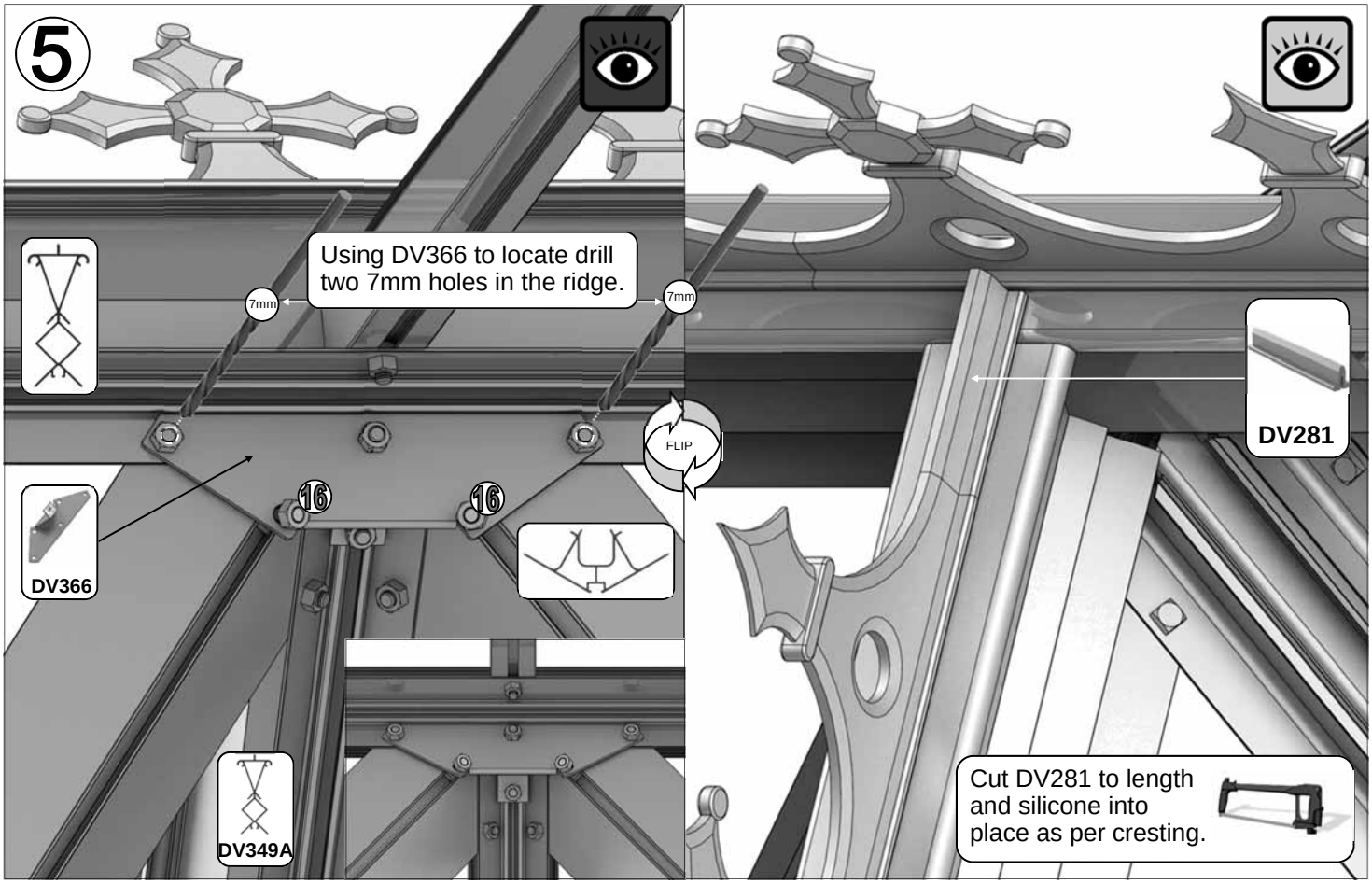

4
4
1x12 e.g.

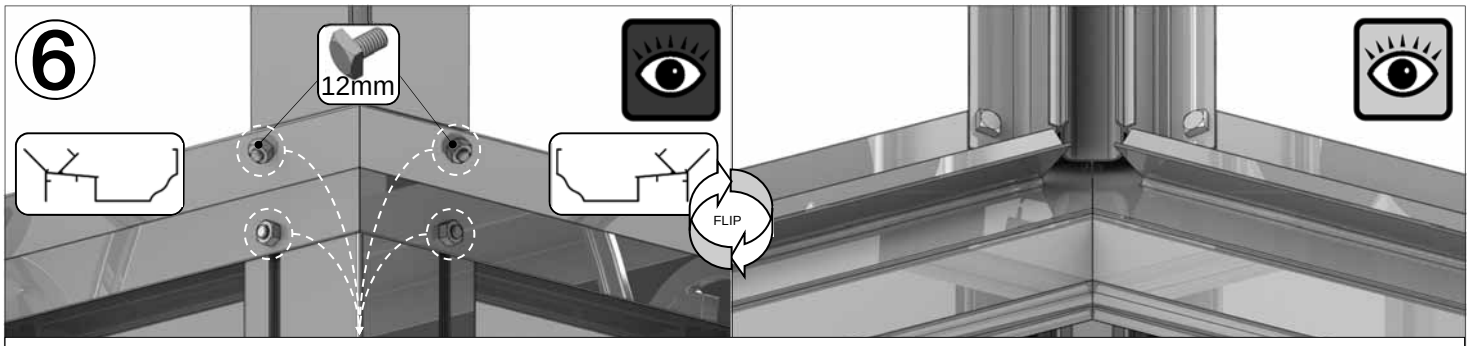
PORCH ROOF		7x8	7x12
Part No	mm	Quantity	
DV101	n/a	3	5
DV349A	1230	1	
DV366	n/a	1	
DV375L	830	2	
DV375R	830	2	
DV381	1668	2	
D227 Rubber	1000	7	
BOL M6X12		19	
BOL M6X16		2	
BOL M6X22		8	
NUT M6		29	



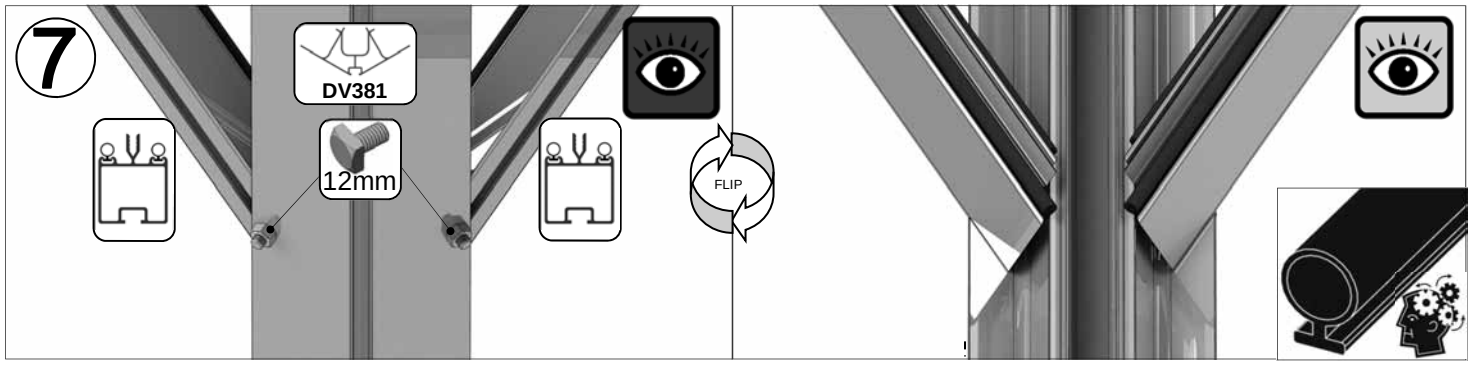


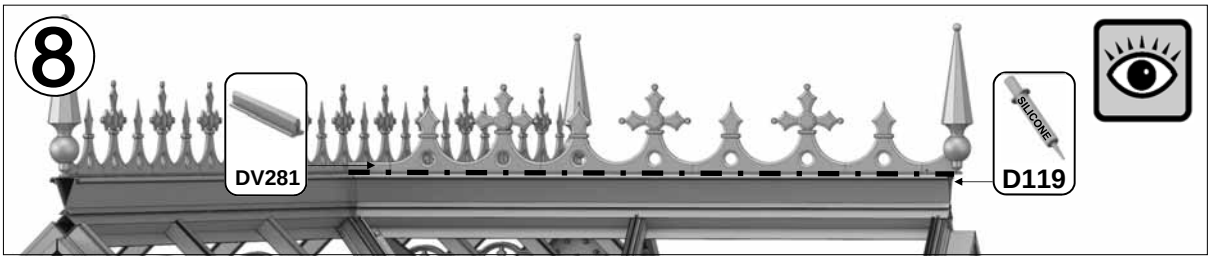
6b



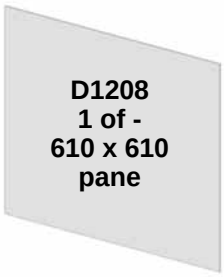


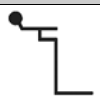
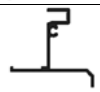
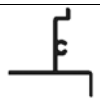
IMPORTANT: Because your porch gutter sections are welded together to eliminate the chance of any leaks the holes circled above can vary slightly in their locations. They may therefore require slight alteration to marry up with DV362 and DV381. Using an 8mm drill bit to enlarge the standard 7mm holes will for example give a little more play to aid fitting.



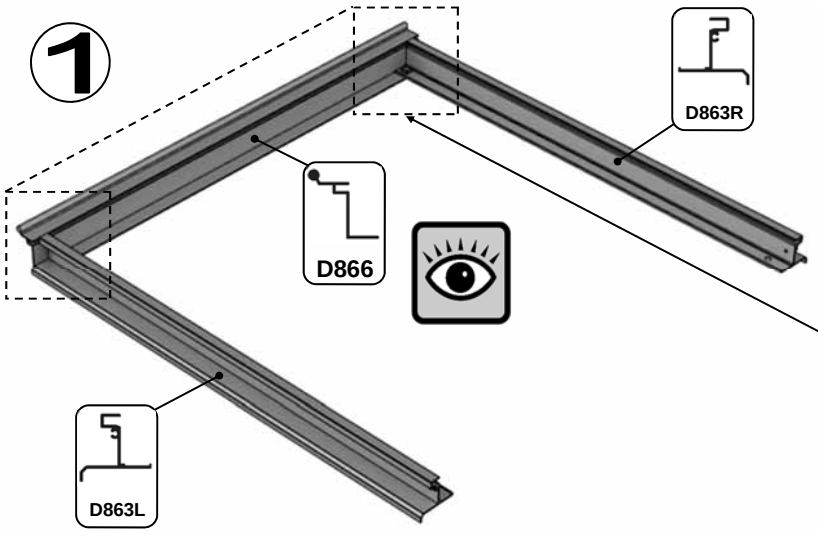


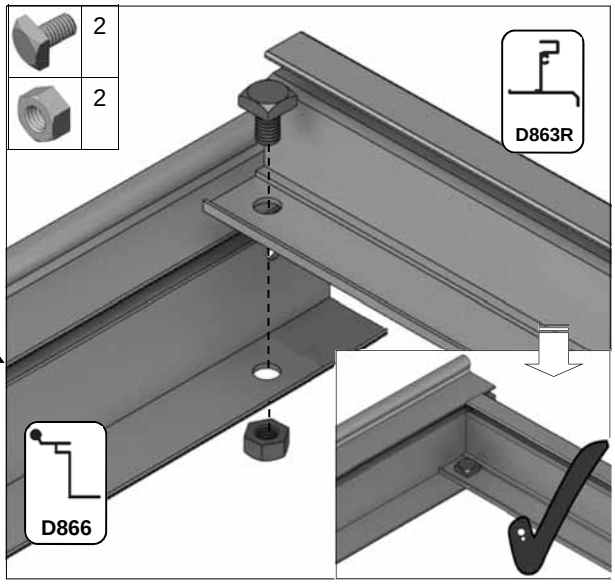
6b

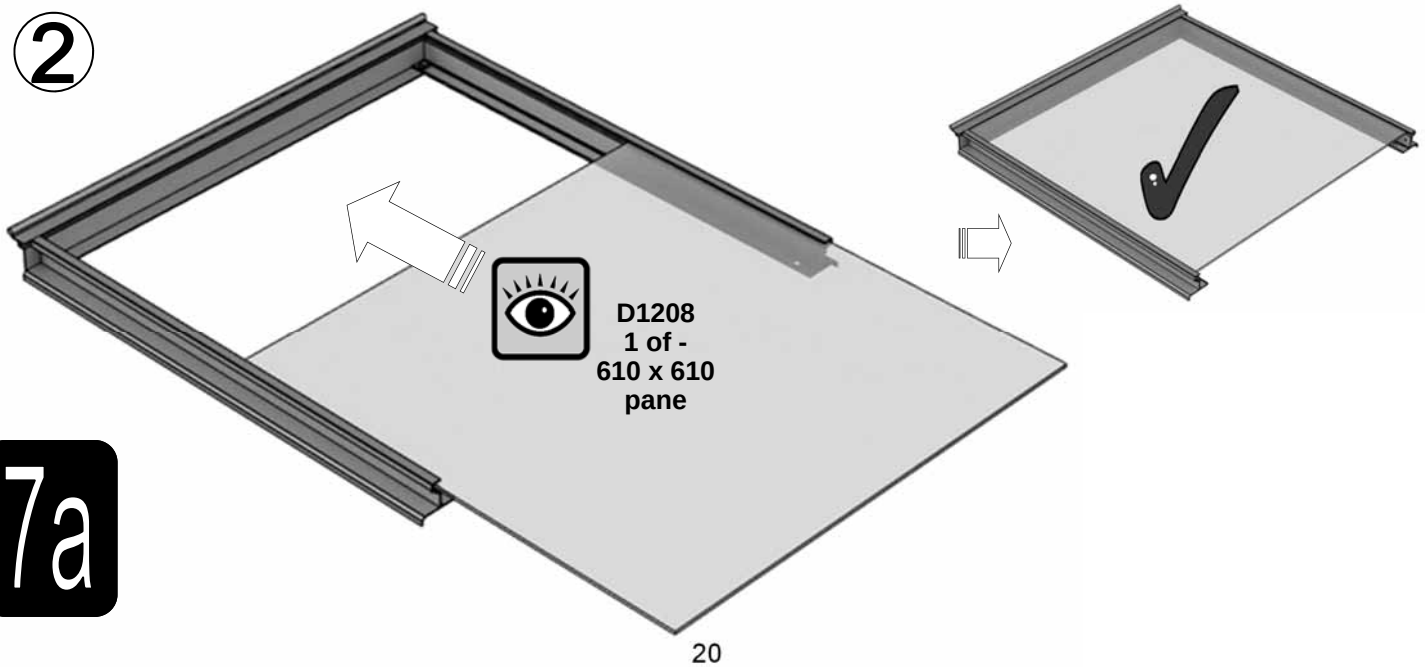


Part No		mm	Quantity
D866		639	1
D863L		613	1
D863R		613	1
D862		593	1

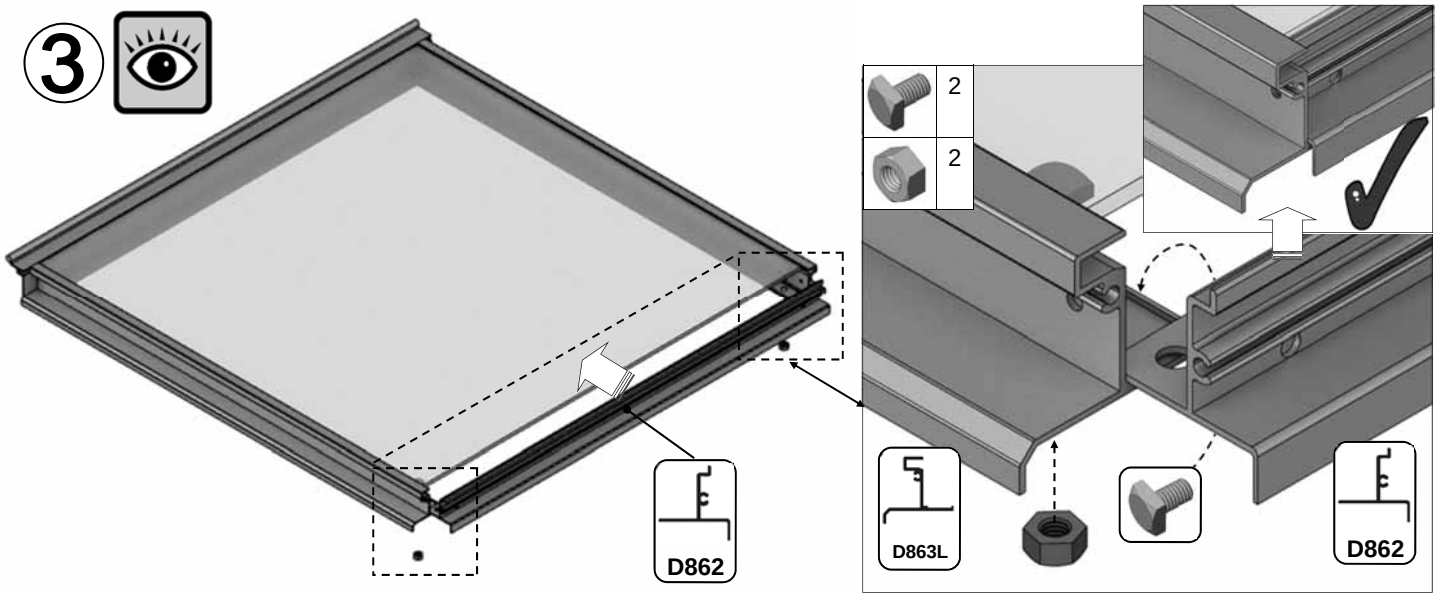
Part No		mm	Quantity
D220 PLUS SCREW		N/A	2
D205		N/A	2
BOL M6X12		12	4
NUT M6		M6	4
8 X 12 S/T FS6017		10	2
8 x 19 S/T FS6018		19	2

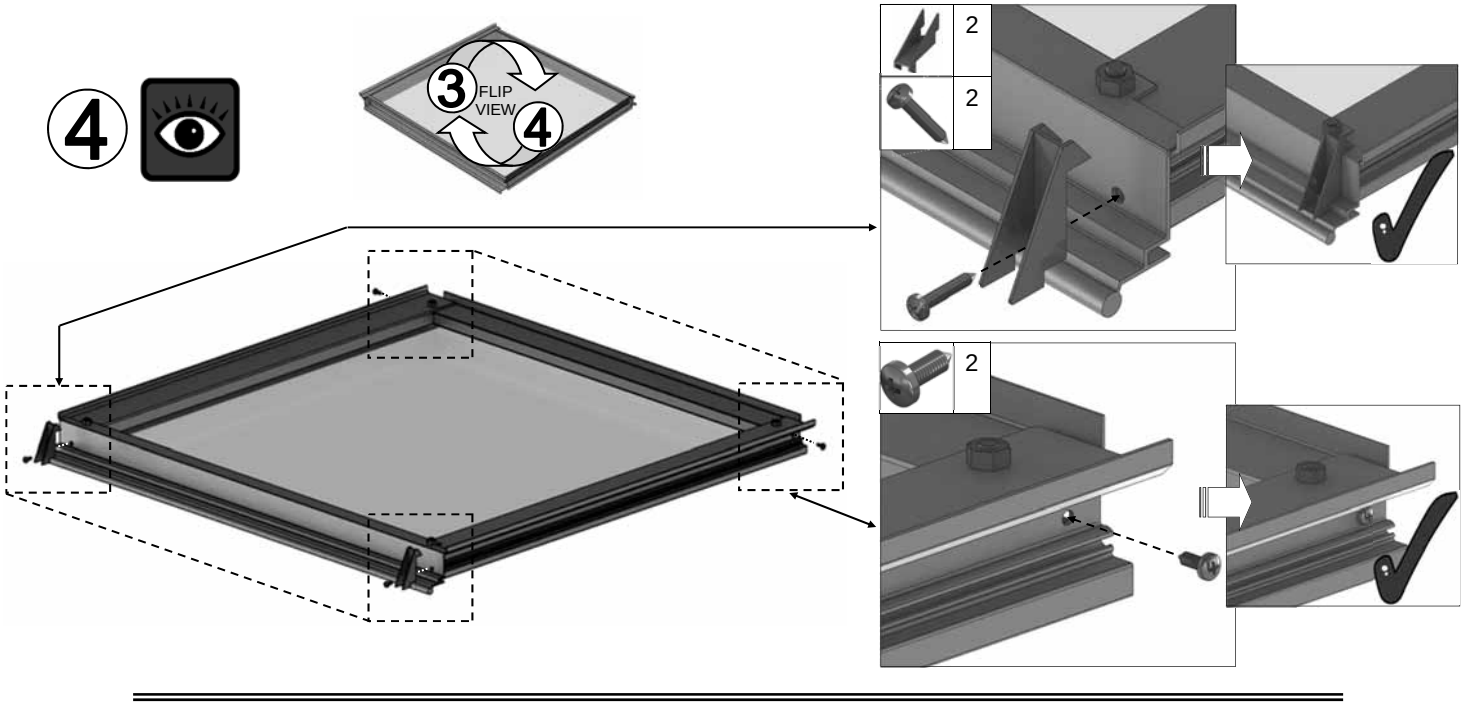


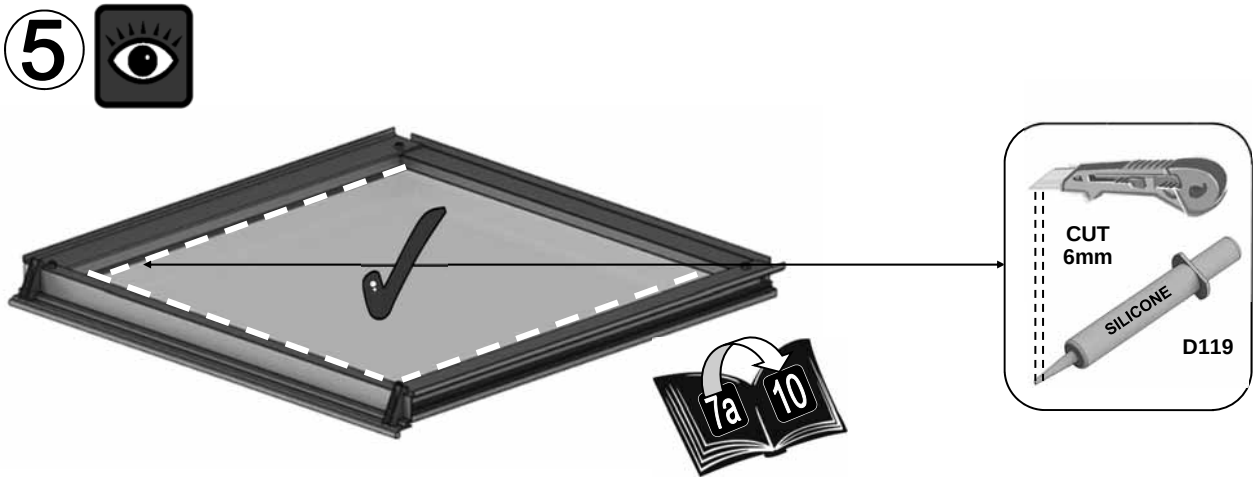




7a


3
2
2
D862
D863L
D862


4
3
FLIP
VIEW
4
2
2
2

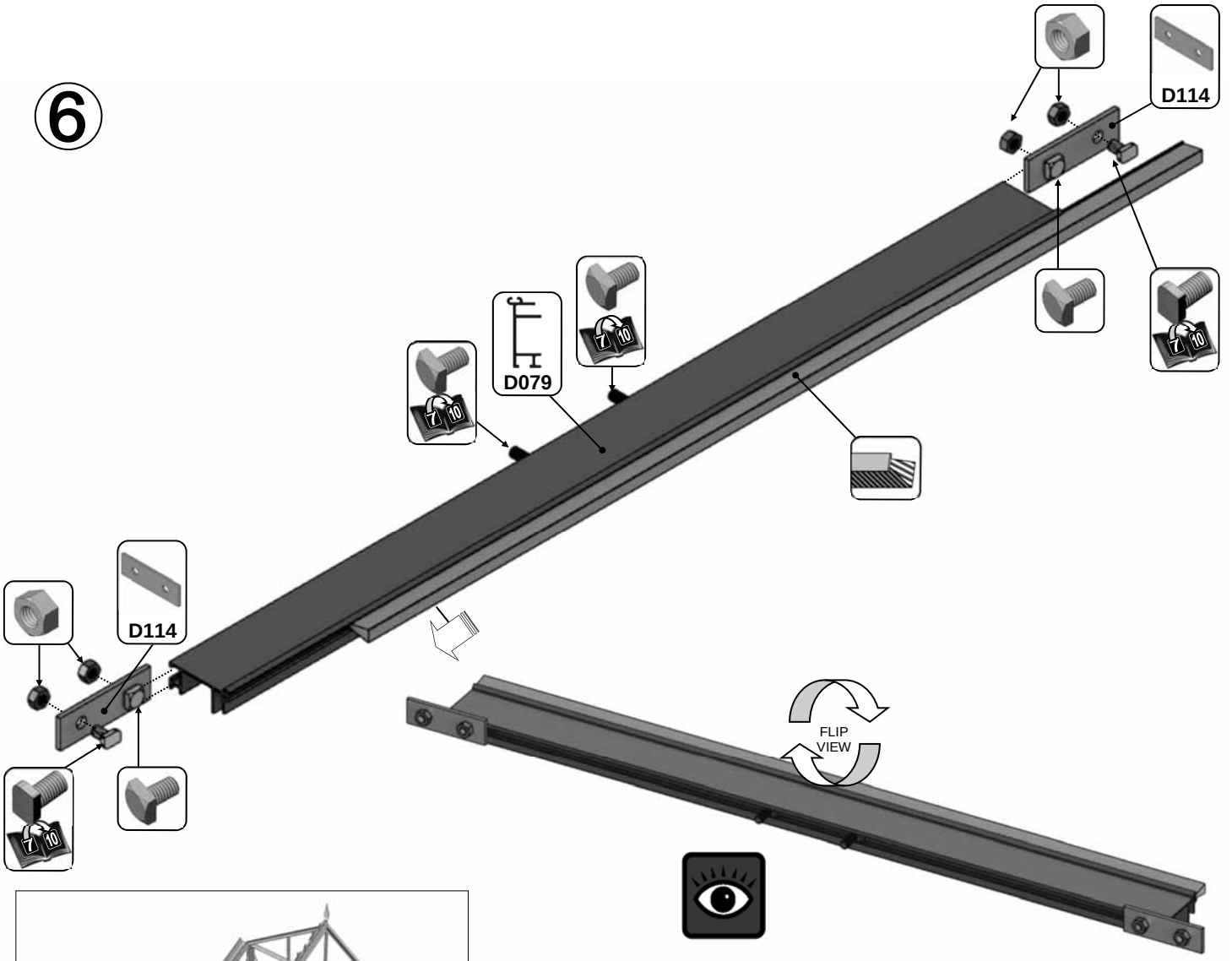

5
CUT
6mm
SILICONE
D119
7a
10

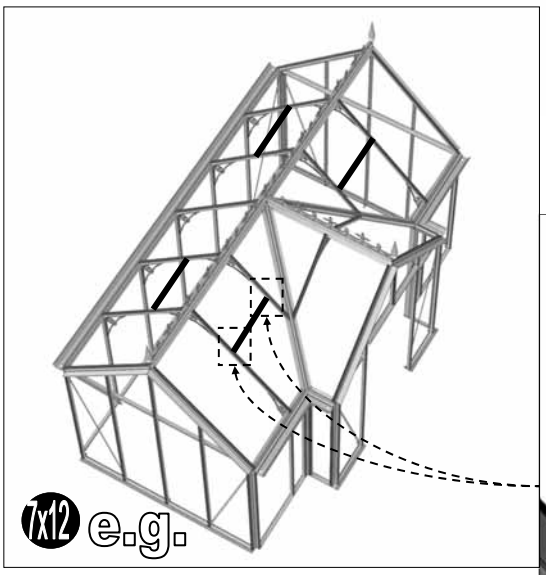
7a

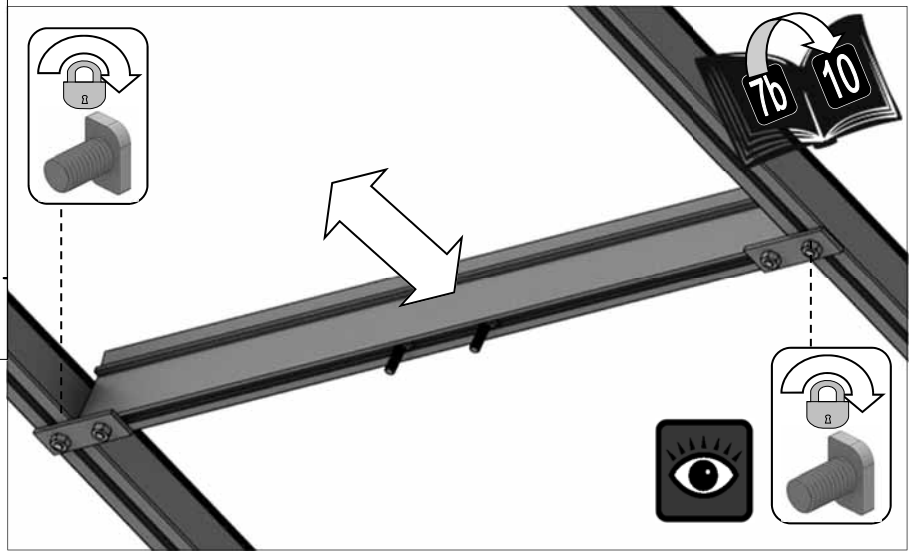
Part No		mm	Quantity
BOLM6X12		12	4
BOLM6 X10CROP		10	2
NUTM6		N/A	4

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

6



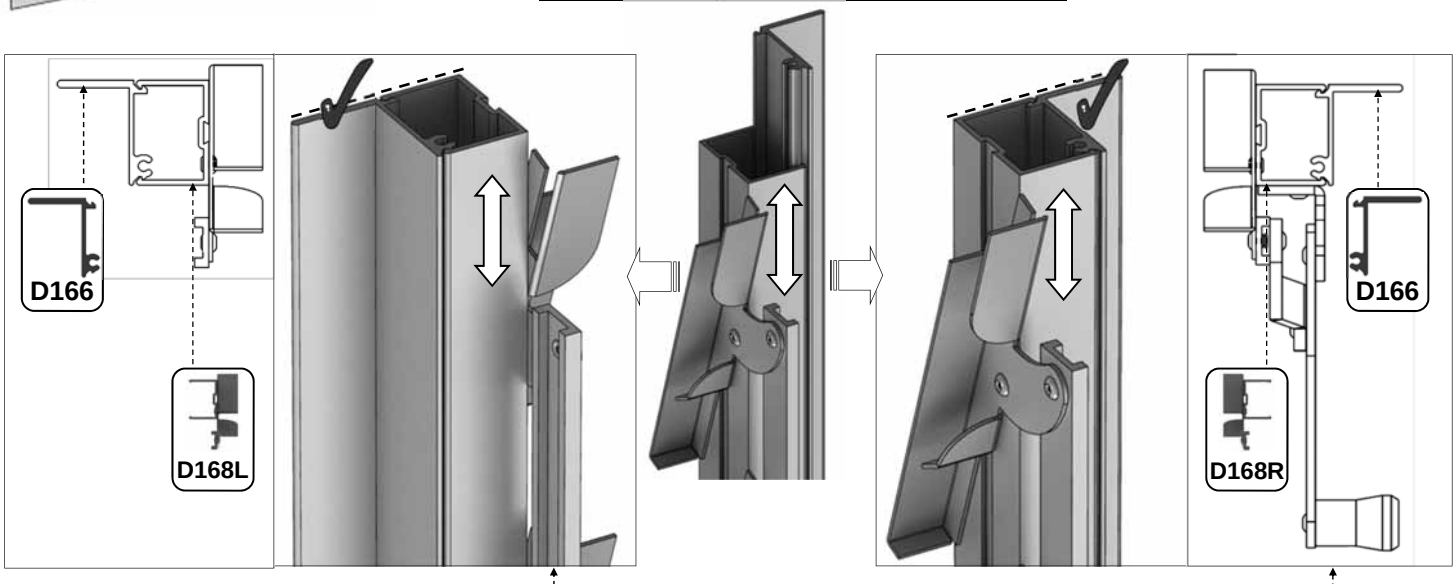


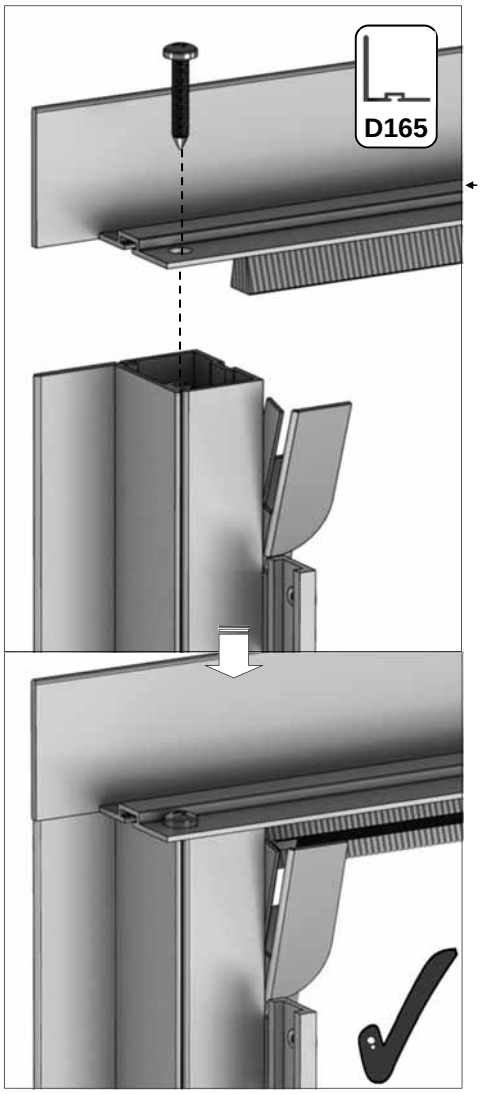


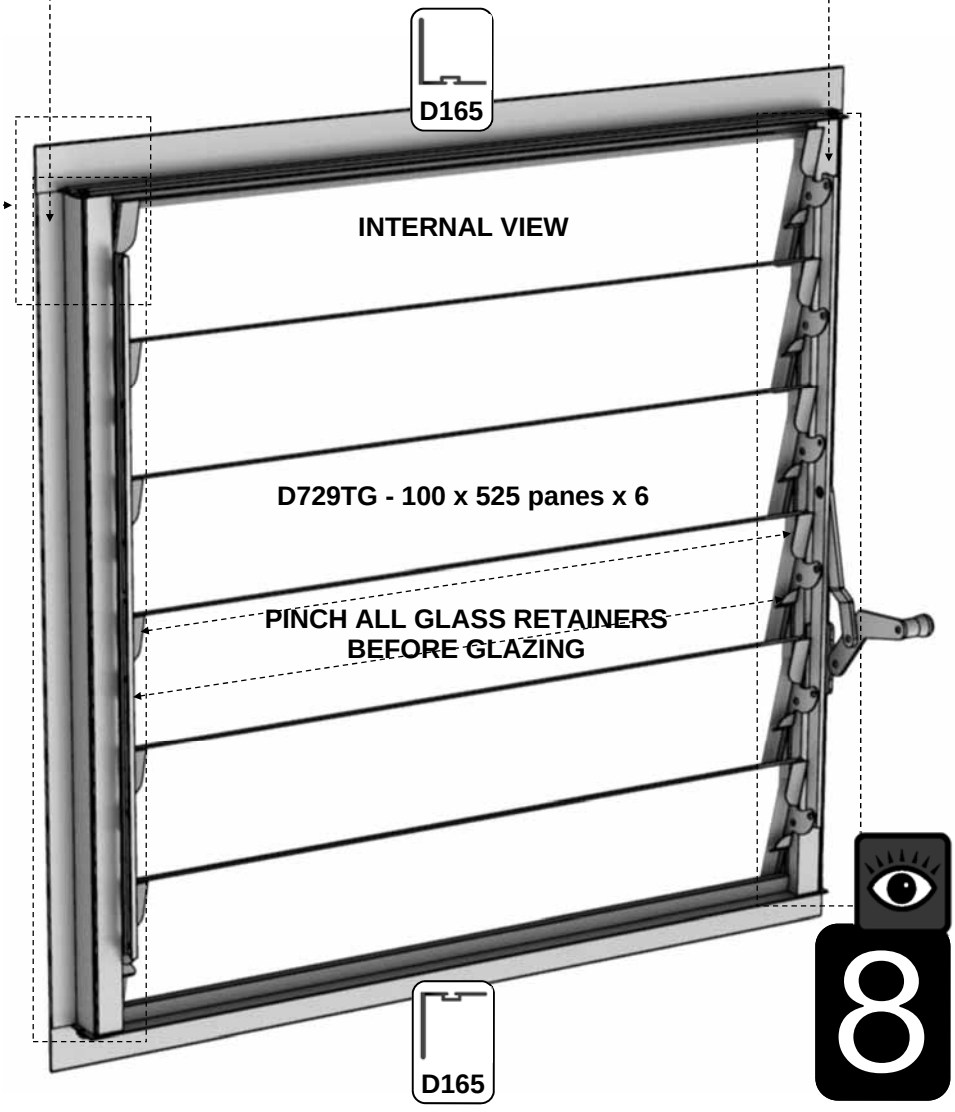
7b

1 x louvre = {

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







8

PORCH CAPS AND COVERS			7x8	7x12
PART No	SECTION	SIZE (mm)	QUANTITY	
D662		600	1	
D812		1660	7	11
DV479		1384	1	
DV633L		2173	3	
DV633R		2173	3	
DV653		1378	3	7
DV660		2612	2	
DV675L		863	2	
DV675R		863	2	
D813		1675	6	
D834		1660	6	
DV650		1345	6	
D666		602	1	
D825		1660	13	17
D826		1677	6	
DV480		1384	1	
DV634L		2173	3	
DV634R		2173	3	
DV656		1378	9	13
DV666		2612	2	
DV679L		863	2	
DV679R		863	2	

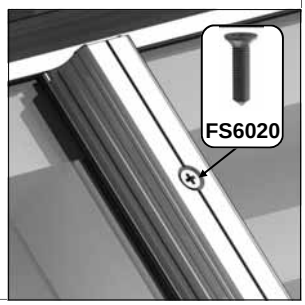
GLAZING (plans pto):

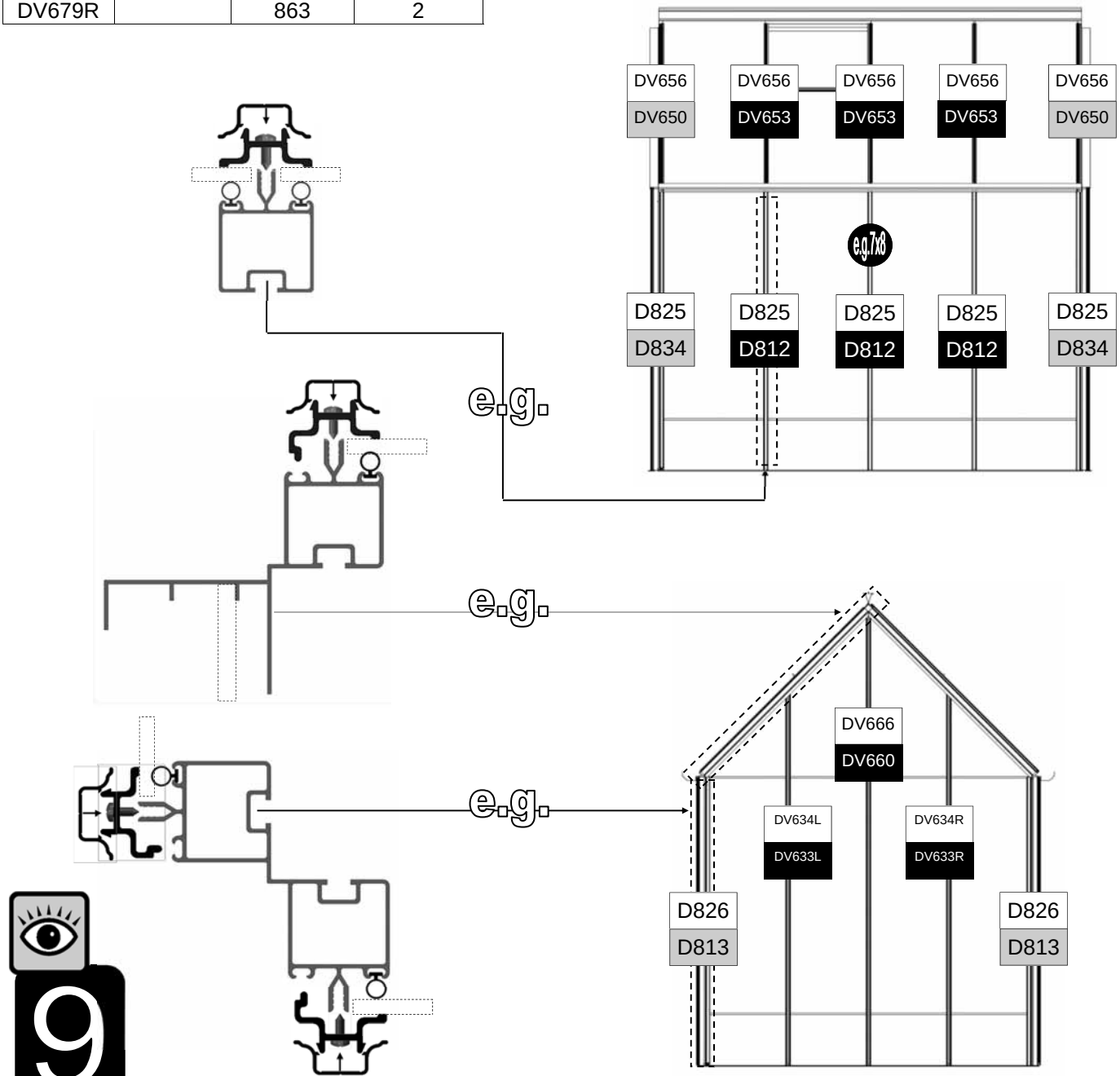
Glass and aluminium can potentially cause injury. Please ensure you wear protective goggles, gloves, headgear and suitable footwear when assembling and glazing the building.

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

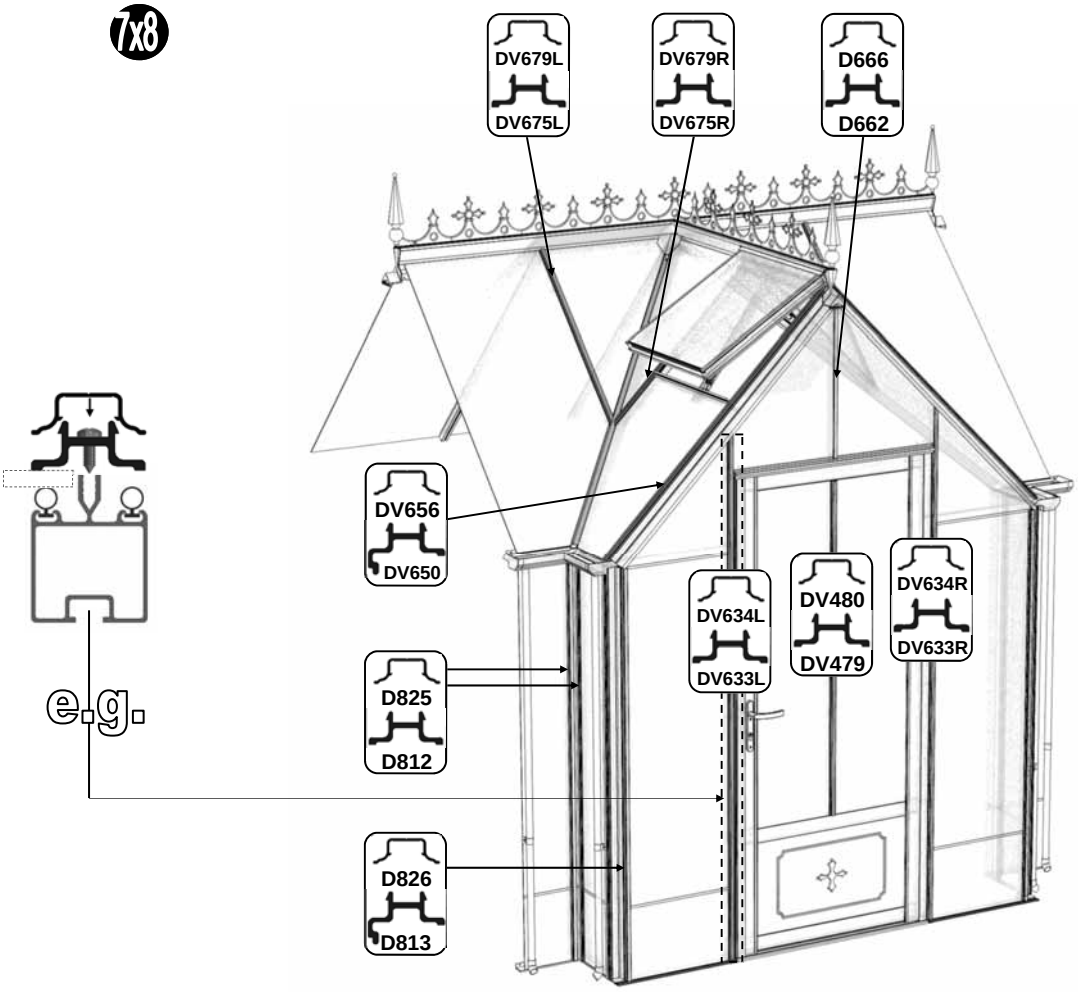
Layout the plastic bar cappings e.g. D812 and covers e.g. D825 around the building like a sundial checking that all is present and correct. You can also place the roof cappings in the gutters so they are closer to hand.

If you have a building which has aluminium cover caps then the roof covers are held in place with low-profile countersunk screws 'FS6020'. It looks neatest if all of these screws go towards the ridges of the building, see right.

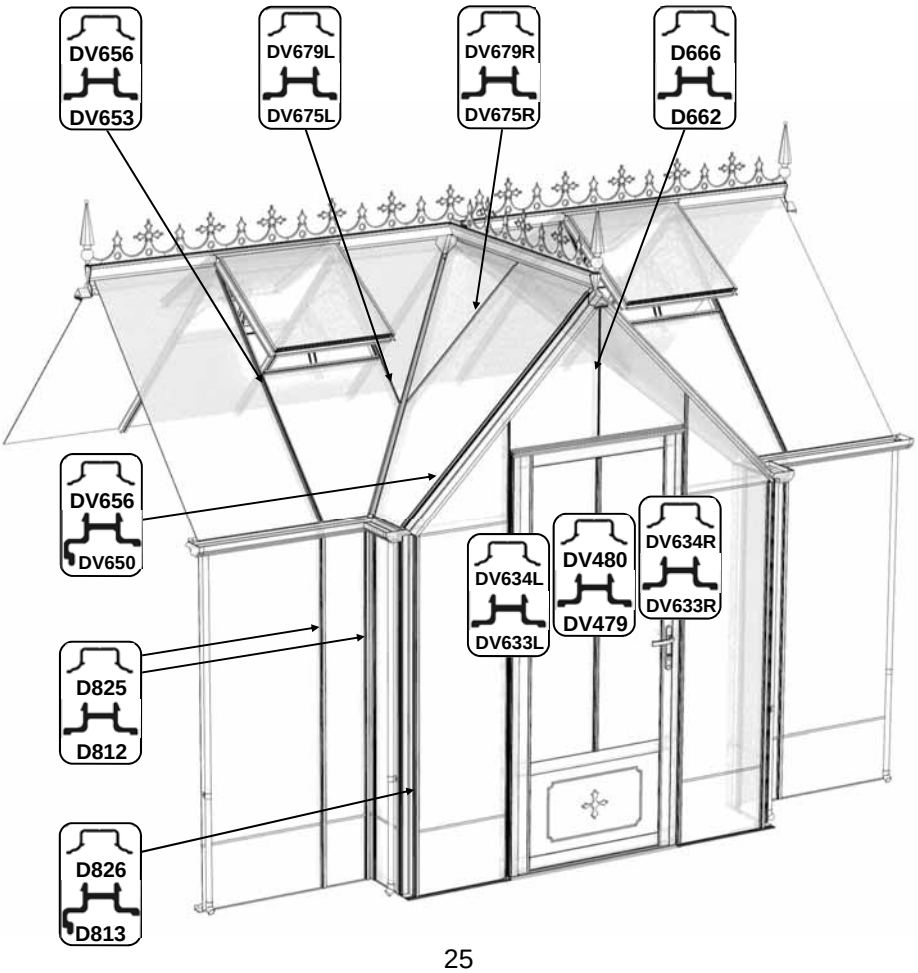




7x8


DV679L
DV675L
DV679R
DV675R
D666
D662
DV656
DV650
DV634L
DV633L
DV480
DV479
DV634R
DV633R
D825
D812
D826
D813
e.g.

7x12

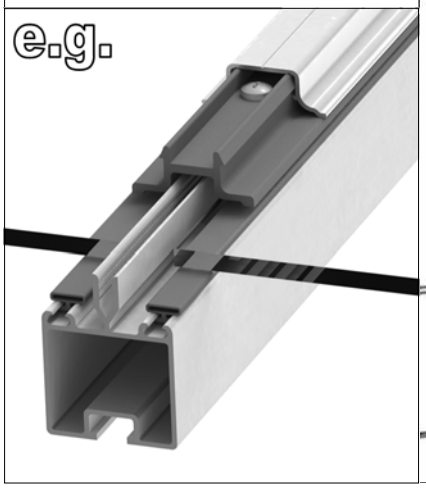

DV656
DV653
DV679L
DV675L
DV679R
DV675R
D666
D662
DV656
DV650
DV634L
DV633L
DV480
DV479
DV634R
DV633R
D825
D812
D826
D813

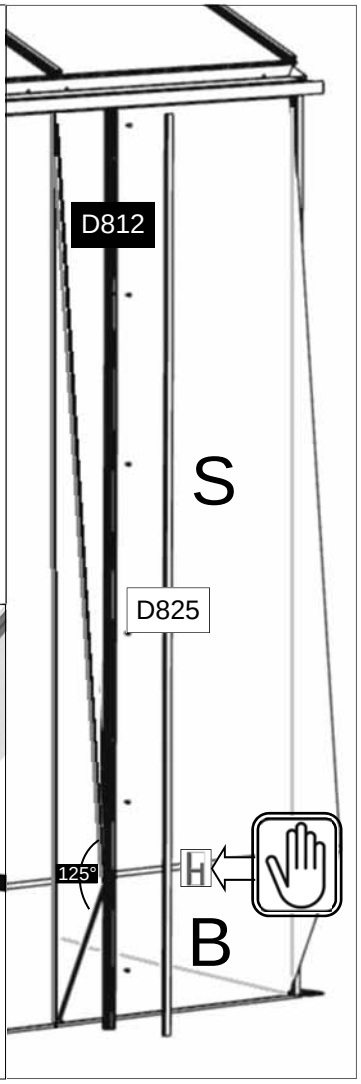
9

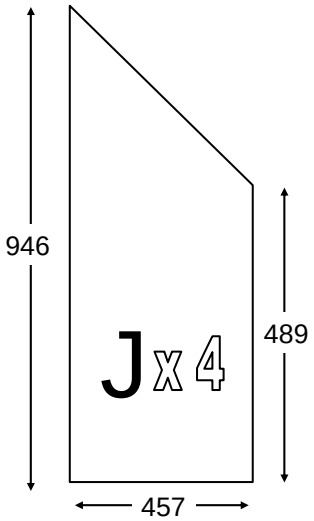
PORCH GLASS			7x8	7x12	7x16	7x20
PART No		**Size (mm)**	**QUANTITY**			
D729	L	525 X 100	12		24	
D770	F	457 X 305	10			
D771	G	457 X 1374	10			
D906	M	610 X 762	2		4	
D1206	S	610 X 1374	2	6	8	12
D1208	A	610 X 610	2	4	5	6
D1254	B	610 X 305	4	8	12	16
DV700	D	357 X 1384	2 FITTED			
DV706	R	610 X 1384	3	6	8	12
DV710	K	ANGLE	6			
DV712	H	ANGLE	2			
DV711	J	ANGLE	4			
DV720	U	610 X 790	1	2	4	
DV725	E	SPECIAL ANGLE	4			
DV737	T	ANGLE	1	2	1	2
DV738	V	215 X 305	4			
DV739	W	215 X 1374	4			
DV746	Z	ANGLE	3	2	3	2
D223/B		Cut to 904mm	1			
D101 / ROSEPS	H	610 long (inc cuts to 457&305mm)	28	32	38	42

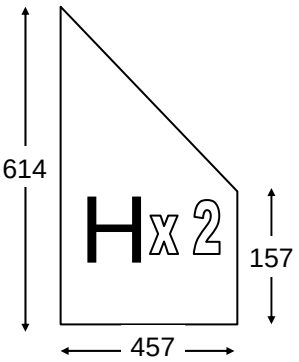
The glass in the sides has to bevel on the black 'ROSEPS' / white 'D101' separator strip (see right) which is on top of the 305mm high glass base panels. This bevelling action allows the glass to tuck underneath the gutter and roof corner canopy. Use the capping e.g. D812 and the self tapping screws to then hold the glass in place. The covers then enclose the screw heads giving a neat finish e.g. D825.

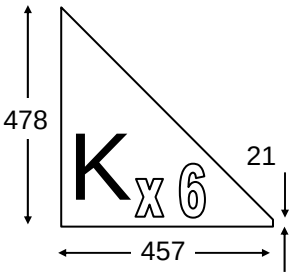
IMPORTANT: On the roof sections please make sure that you place a screw around 25mm / 1" from the bottom of each capping strip (create a hole in the plastic if required) and that the screws are nice and tight to avoid any glass slippage.

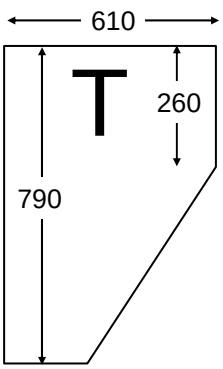


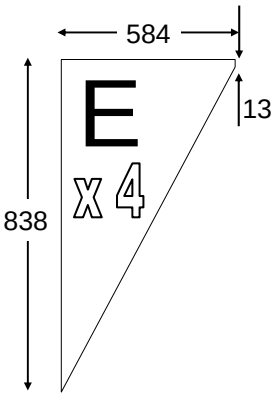


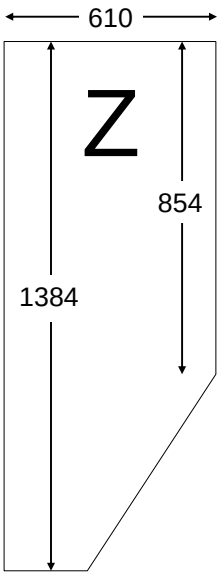




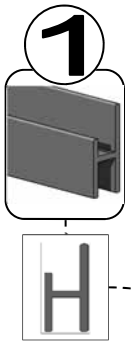




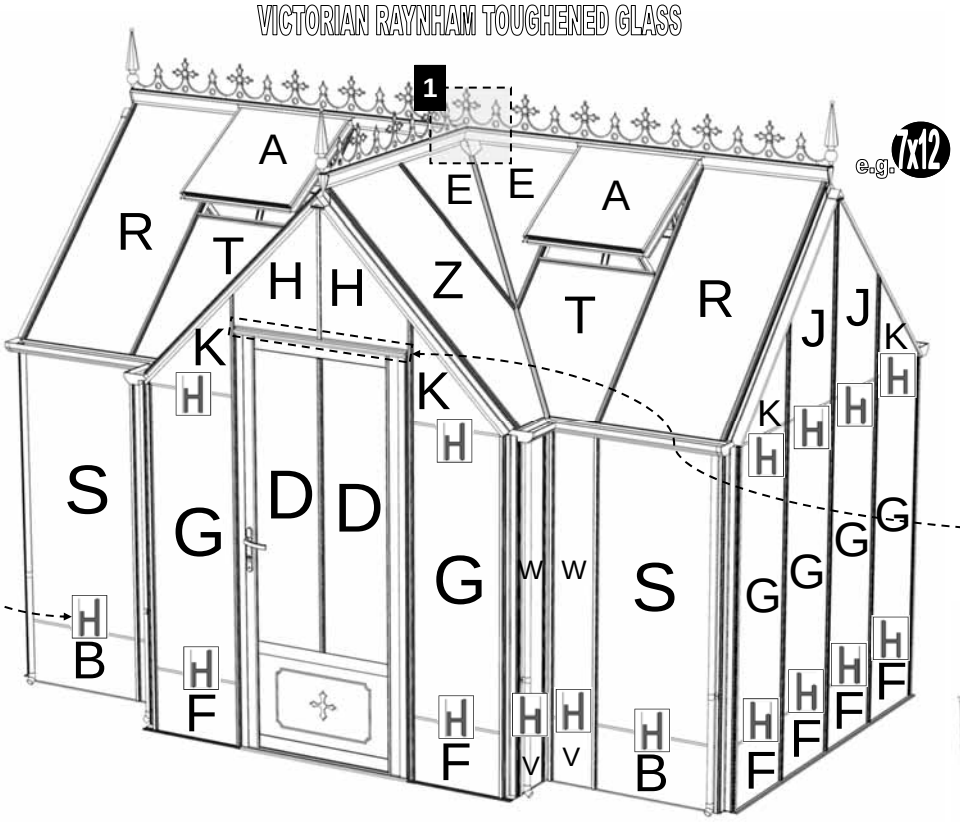


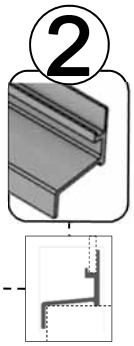


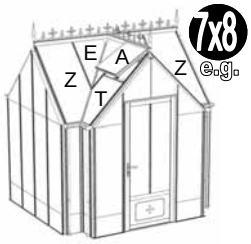
VICTORIAN RAYNHAM TOUGHENED GLASS



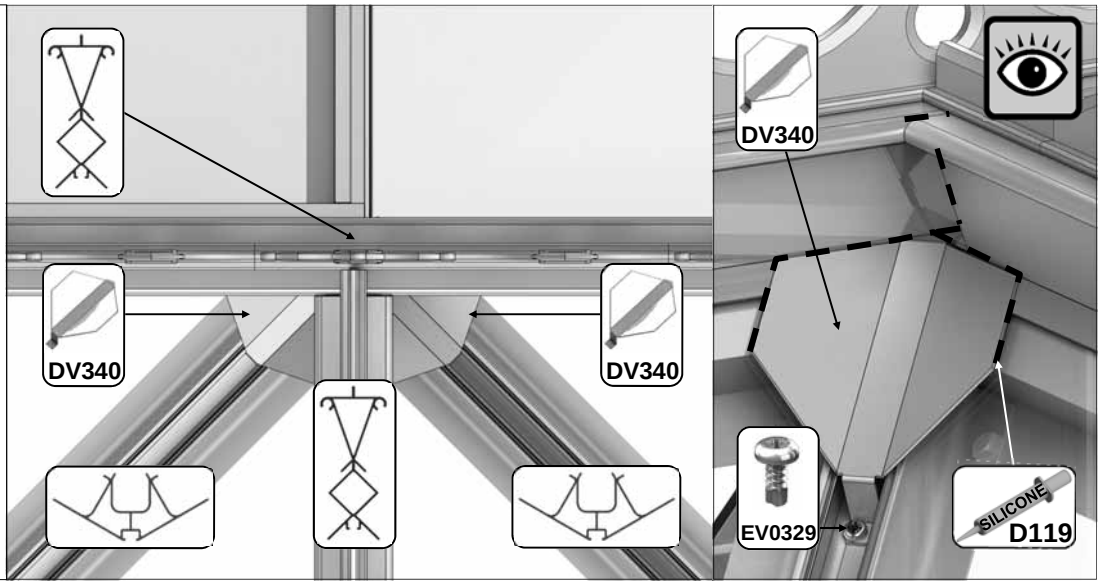
e.g.



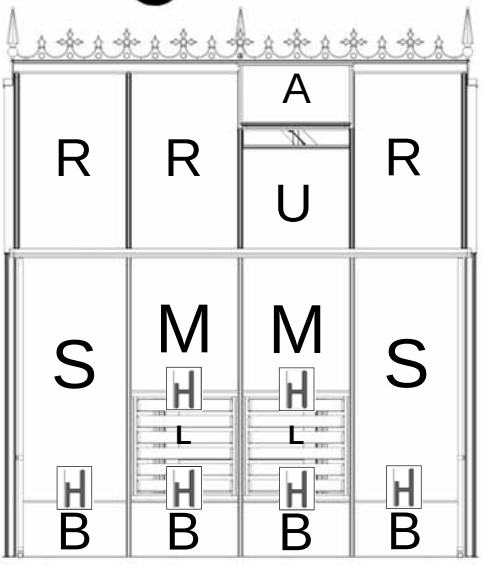




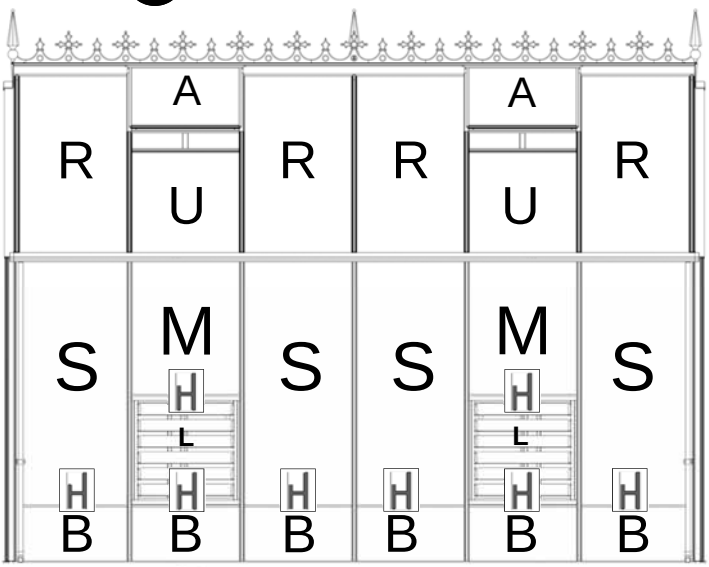
1 Once the porch area has been glazed parts 'DV340' (x2) can be attached (by leaning through the vent apertures) using 'EV0329' Tek screws which bore into the porch hips 'DV381' and silicone to eliminate leaks. DV340's are designed to direct water into the DV381's.
Ensure that you have created a neat and effective seal, note that silicone can be moulded slightly with wet fingers. Once the building is complete this area is hard to access so TEST the area is leak free with a watering can whilst you have easy access (i.e. before the vents have been slide into place).

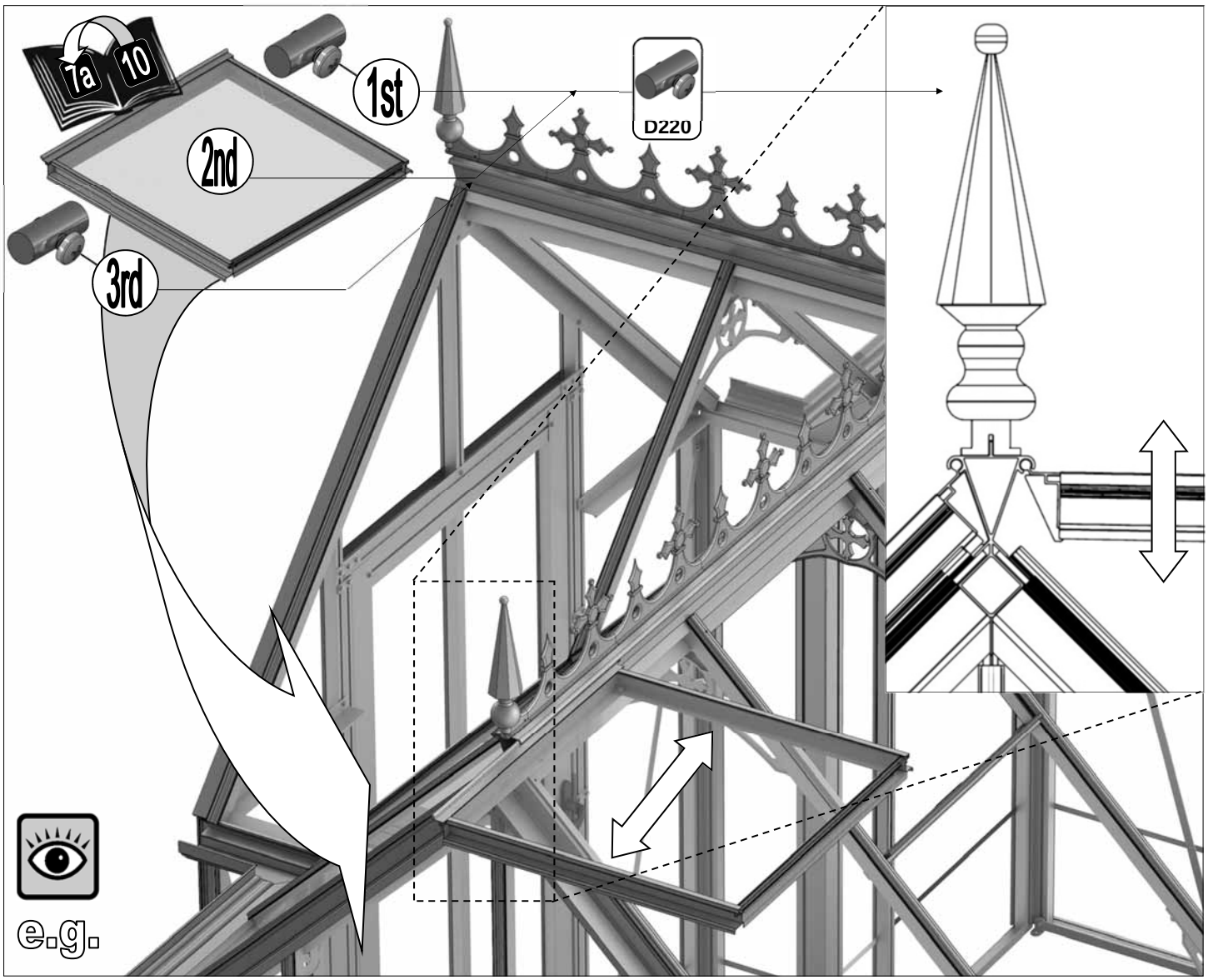


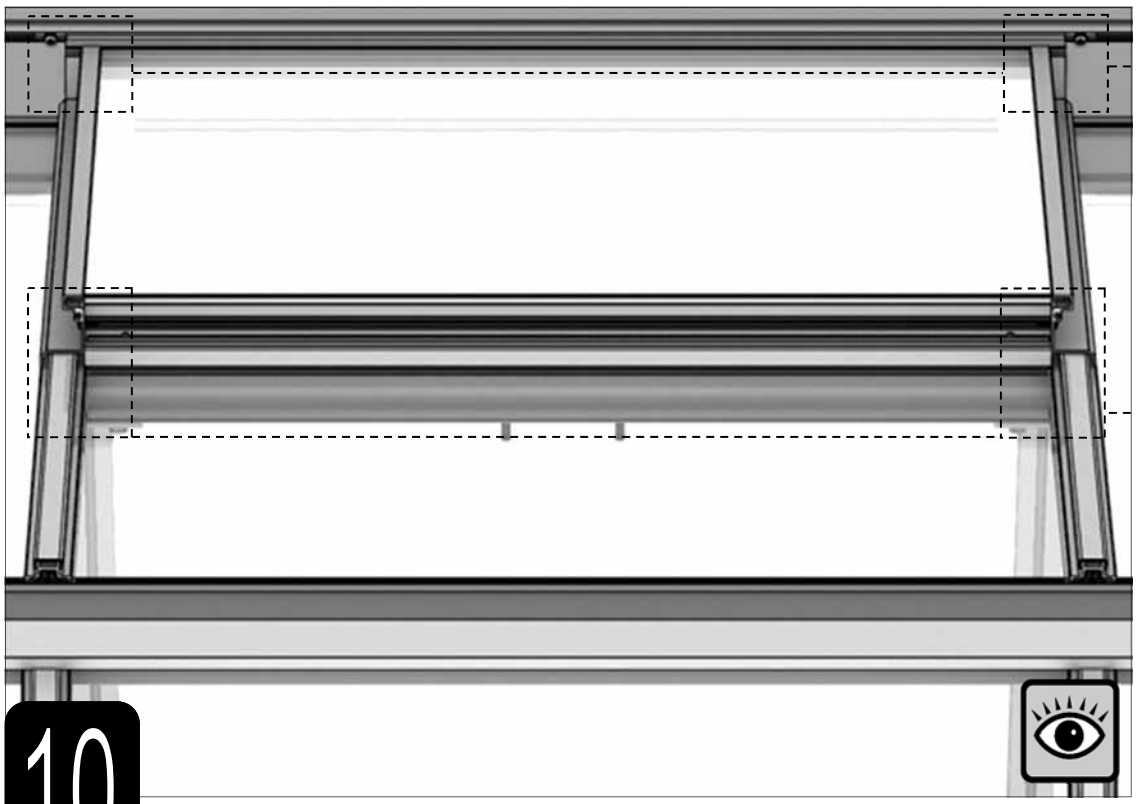
REAR 7x8

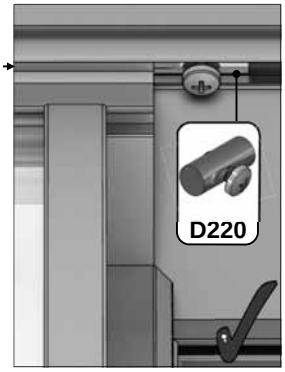


REAR 7x12

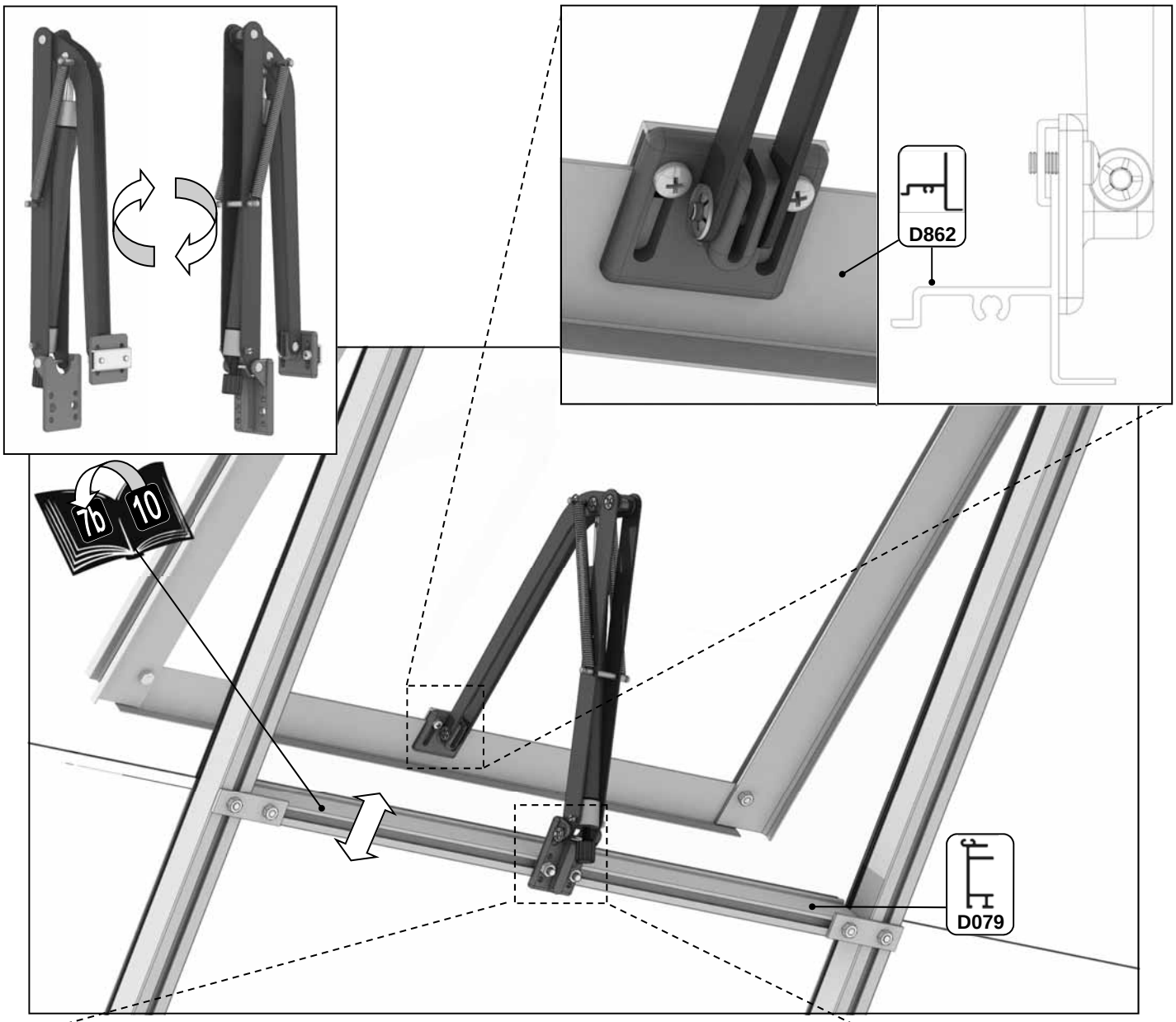


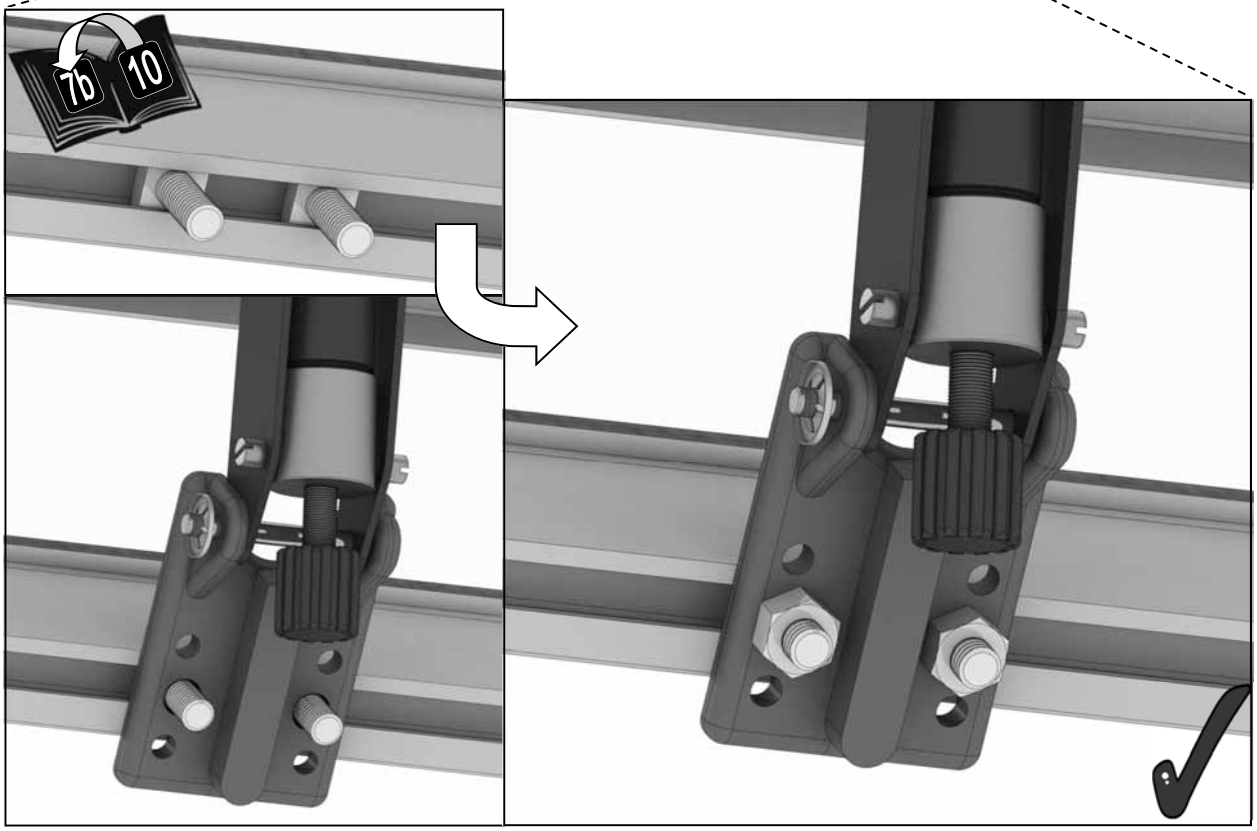




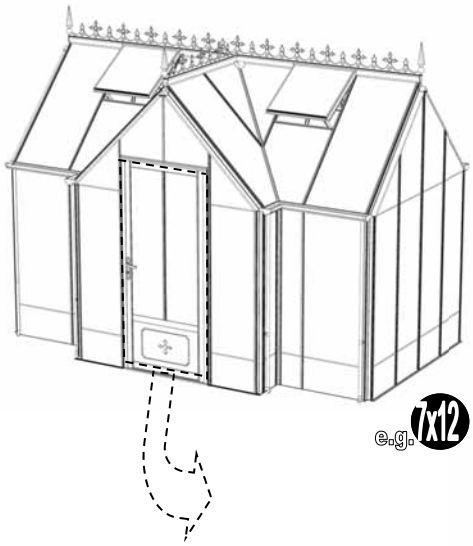


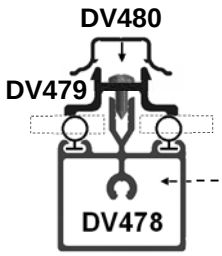
10

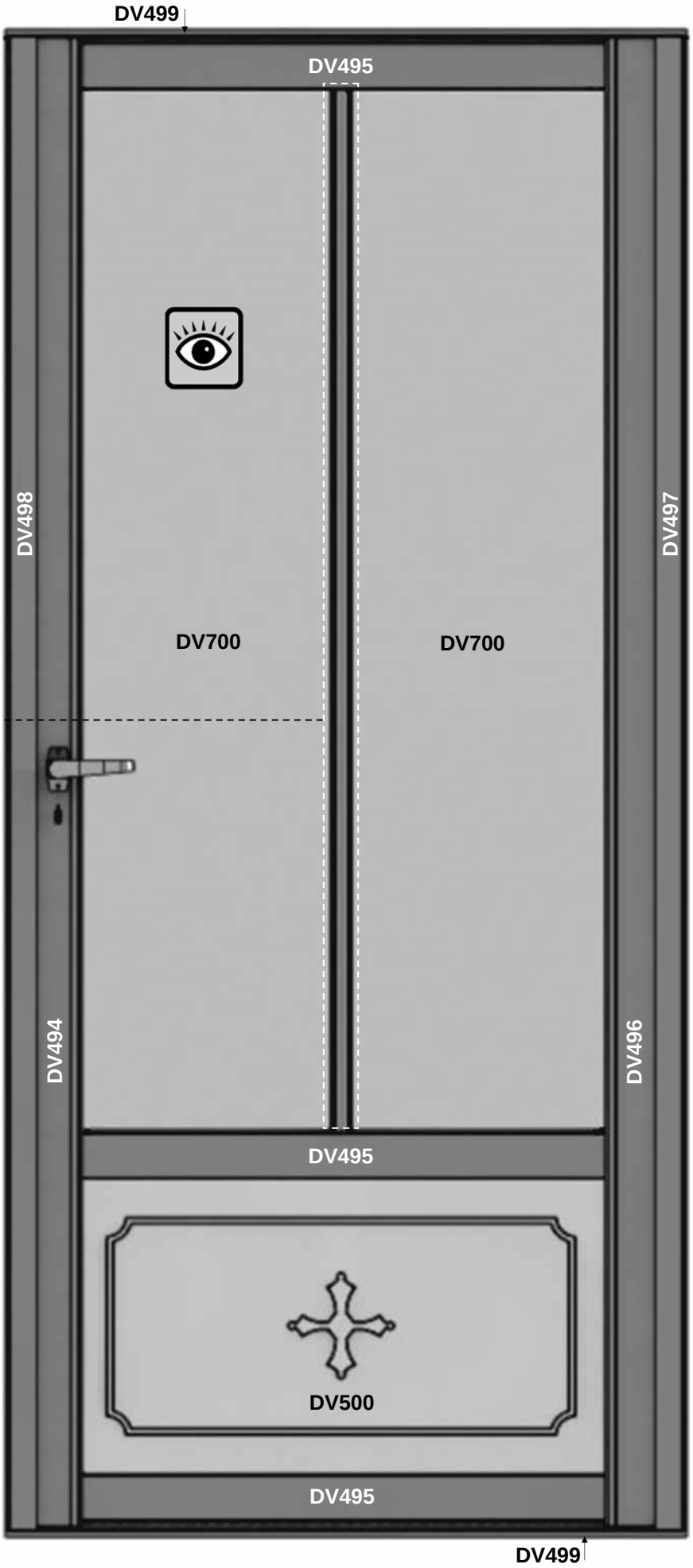




10

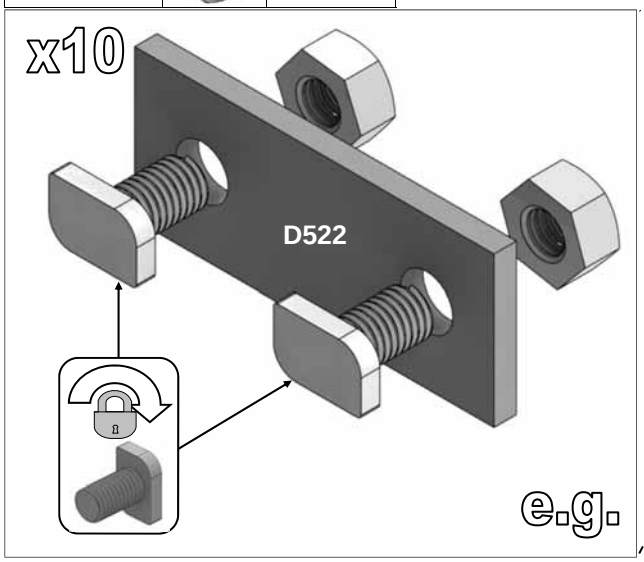

e.g. 1x12

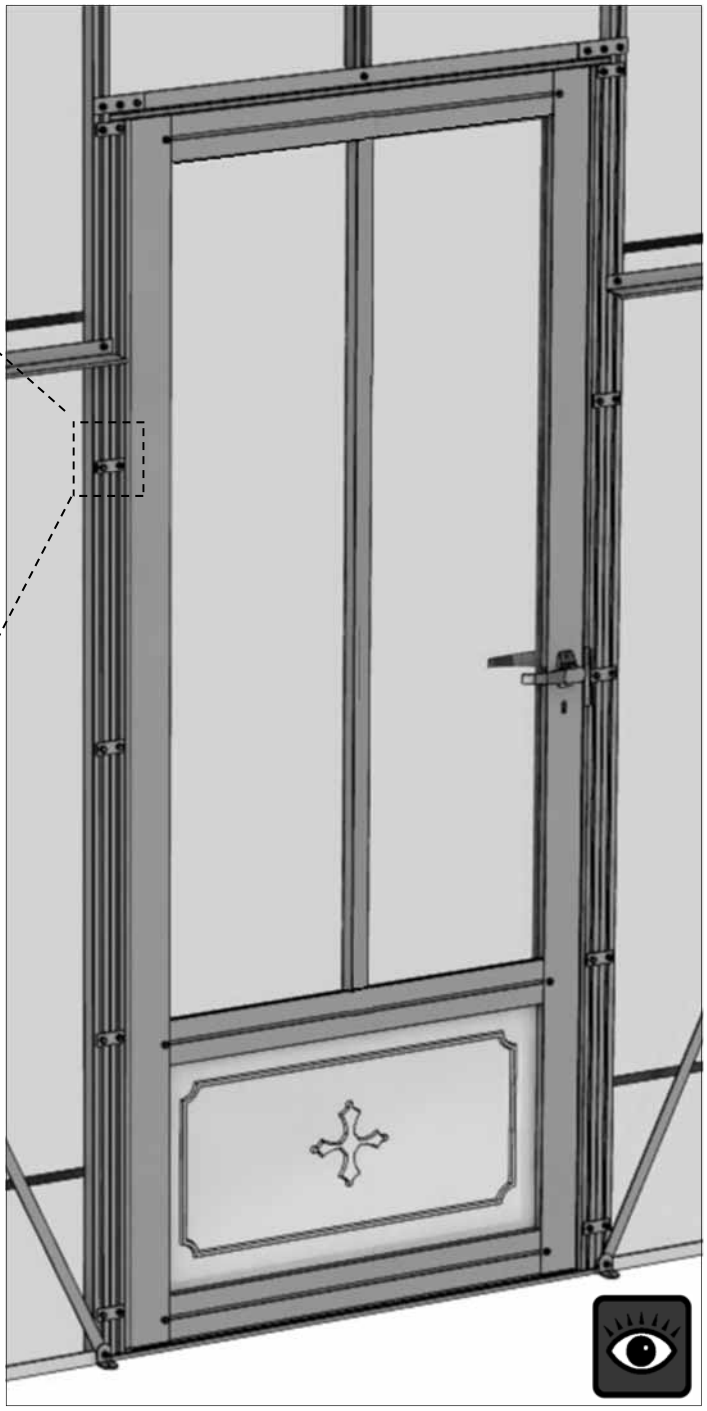

DV480
DV479
DV478

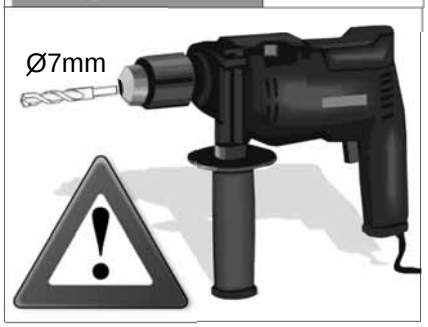

DV499
DV495
DV498
DV497
DV700
DV700
DV494
DV496
DV495
DV500
DV495
DV499

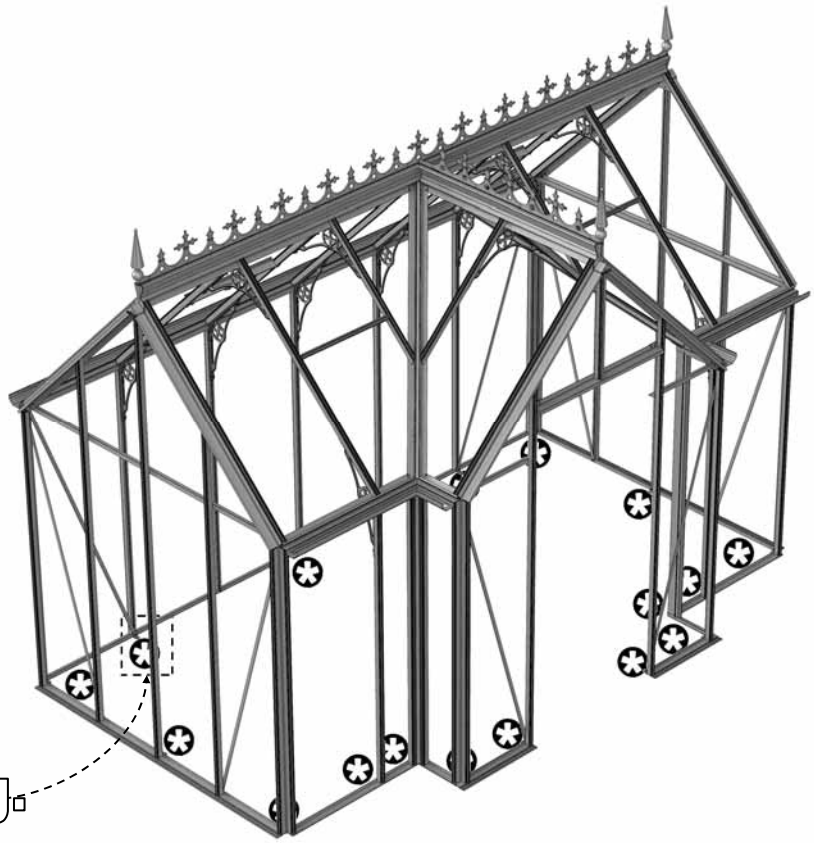
11

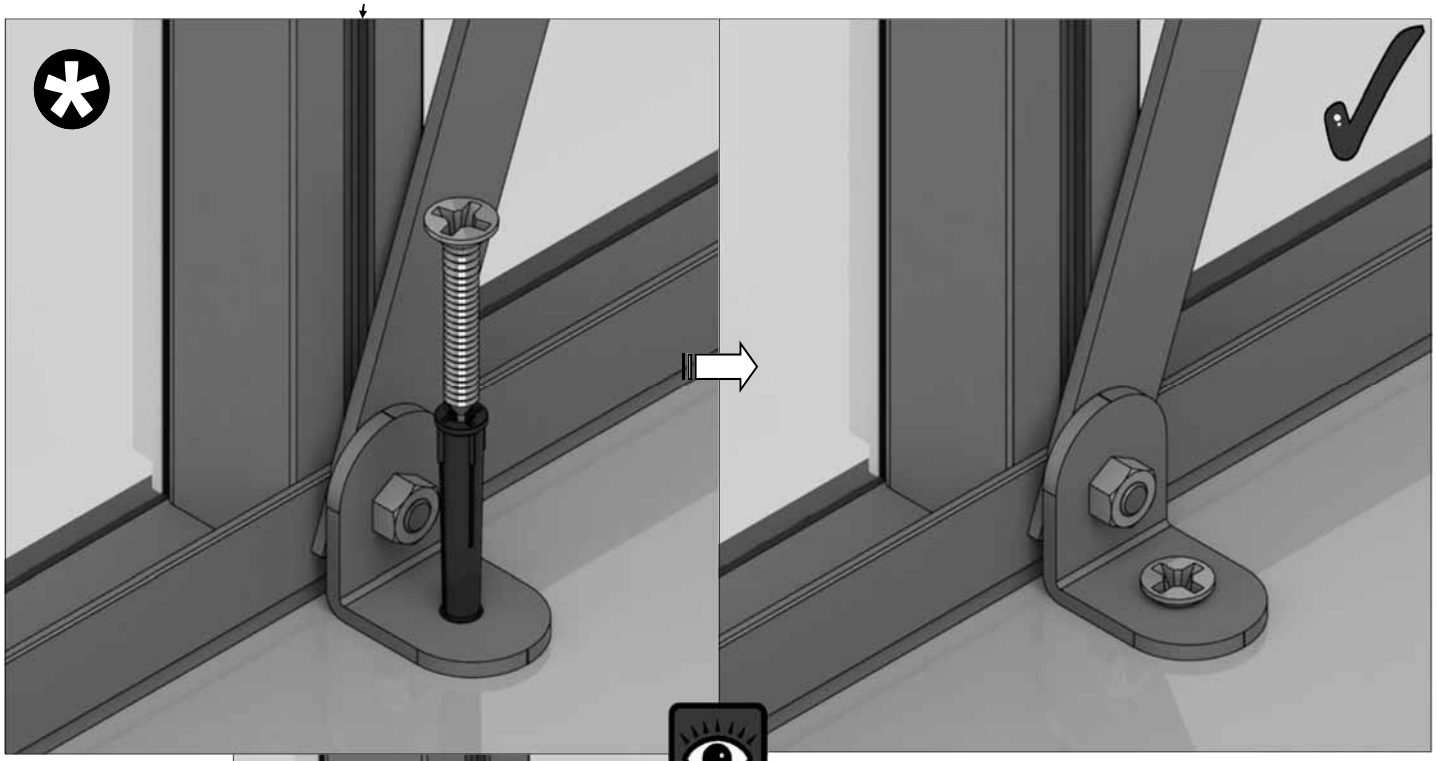
Part No		Quantity
D522		10
BOLM6 CROP		20
NUT M6		20

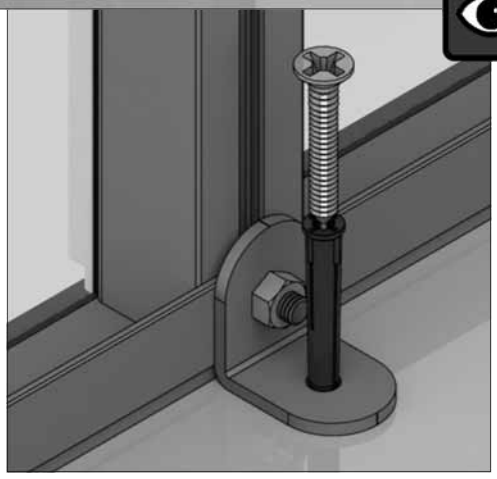




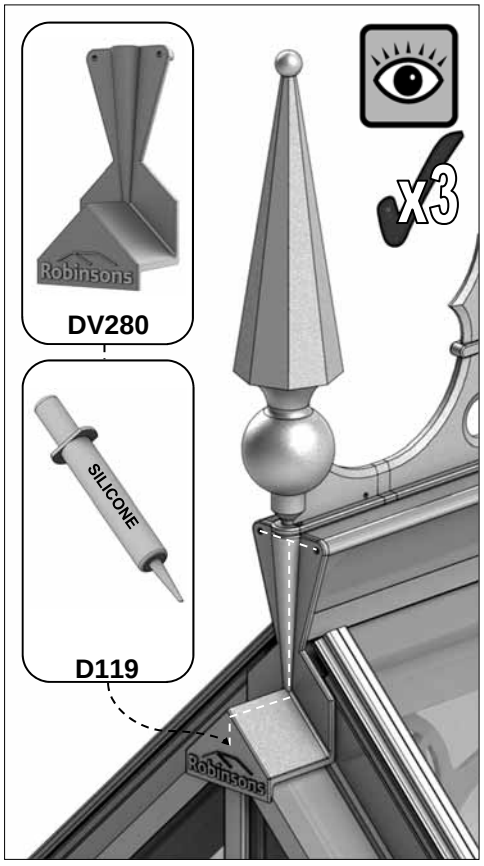


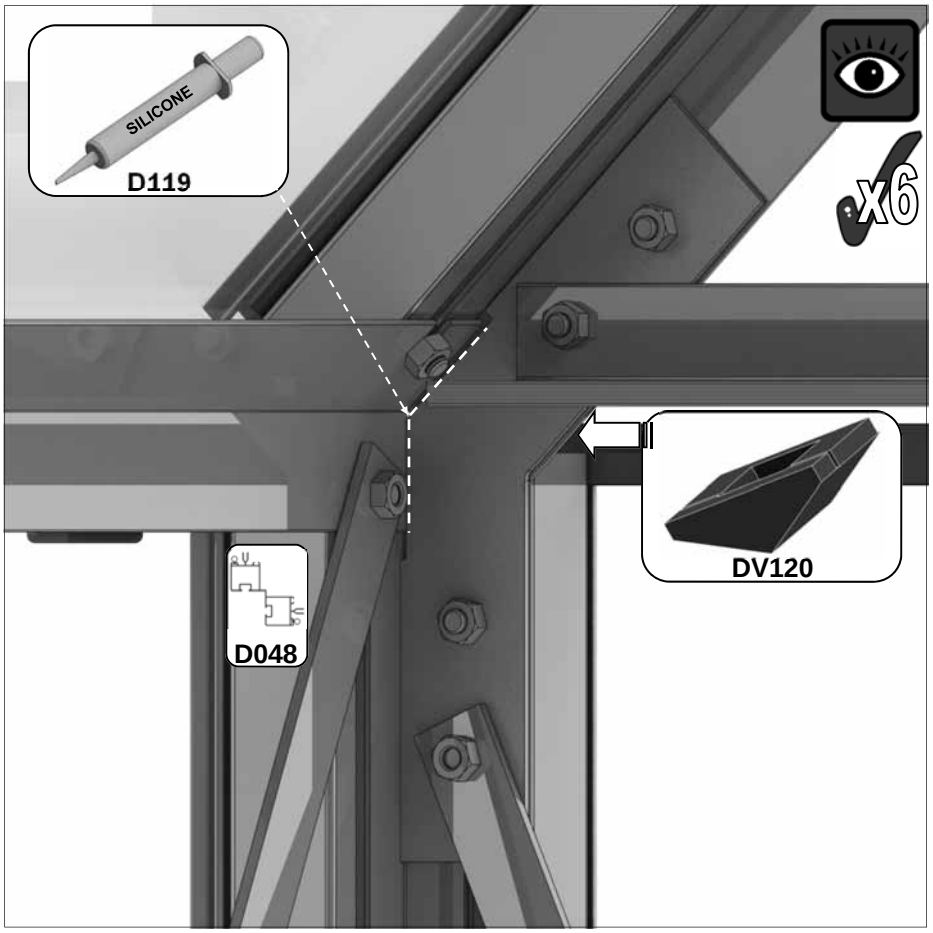


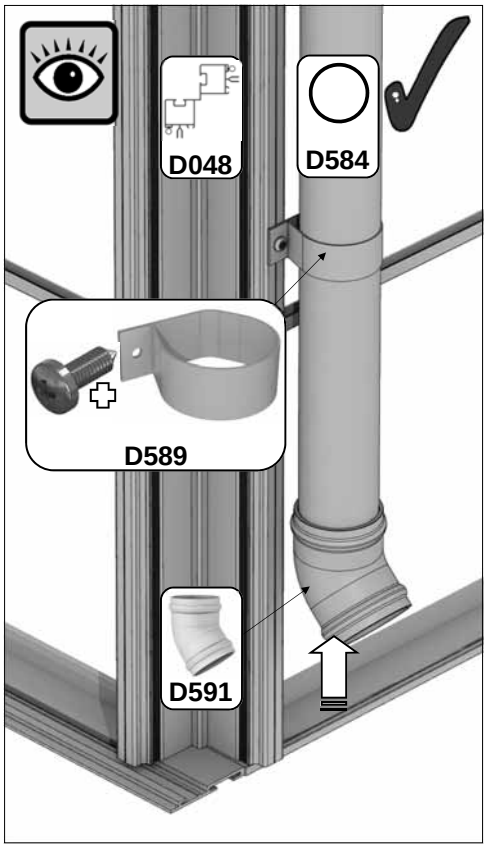


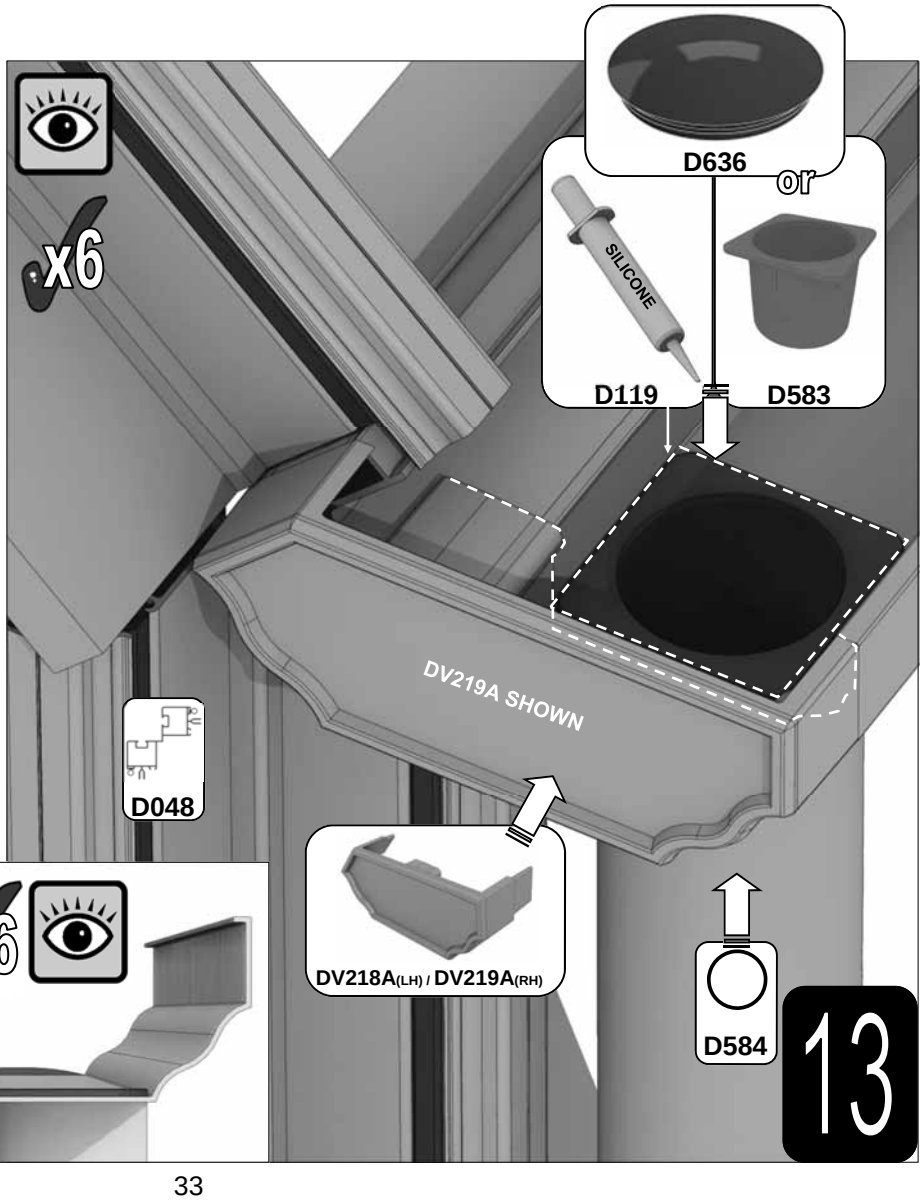


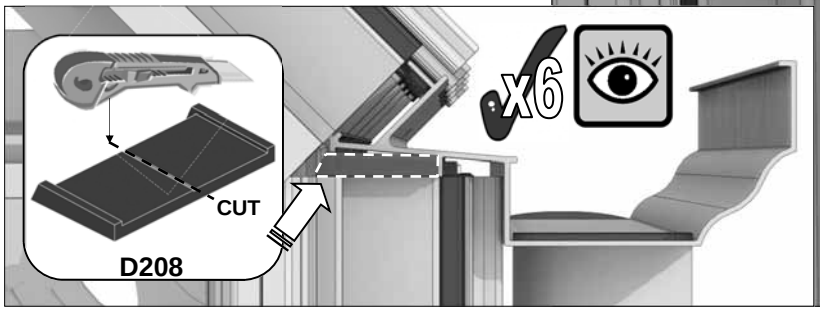
12


DV280
SILICONE
D119
X3

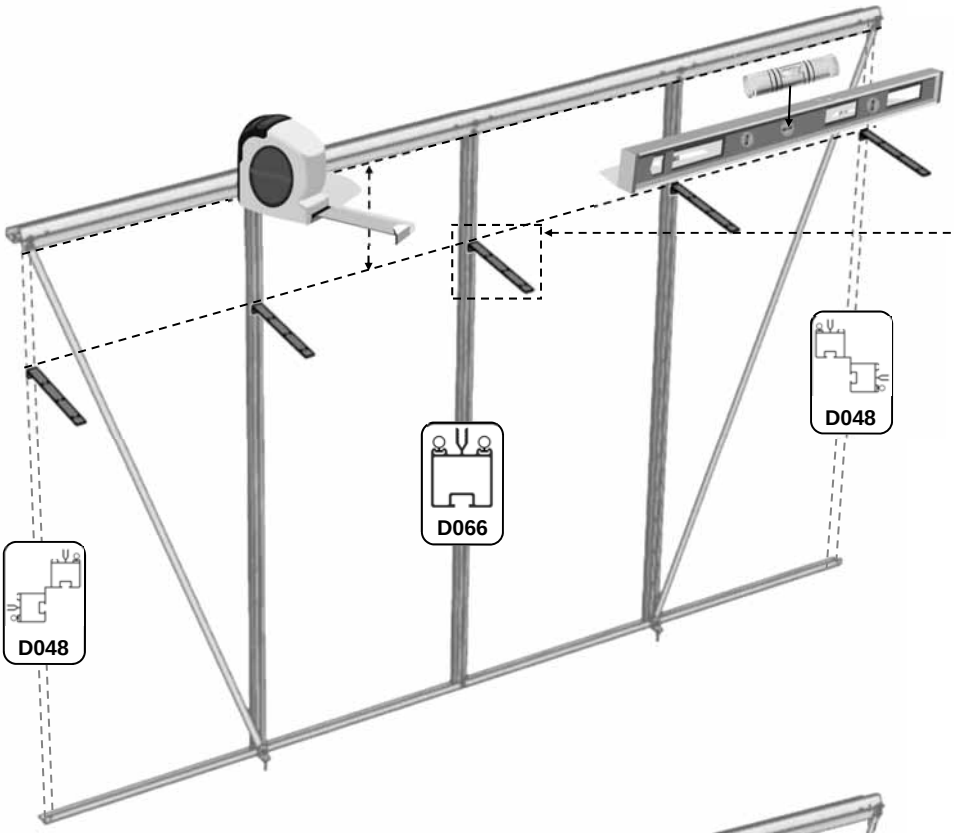

SILICONE
D119
X6
DV120
D048

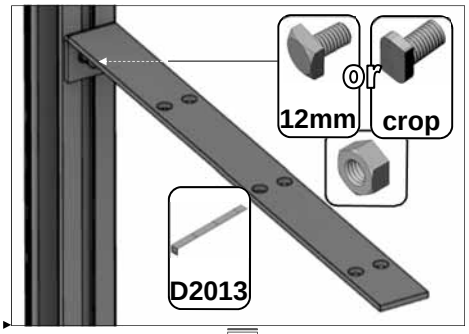

D048
D584
D589
D591

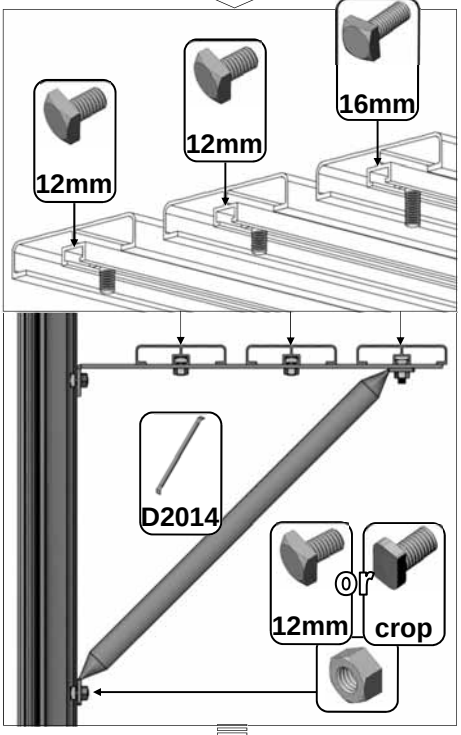

D636
or
SILICONE
D119
D583
X6
DV219A SHOWN
D048
DV218A(LH) / DV219A(RH)
D584
13

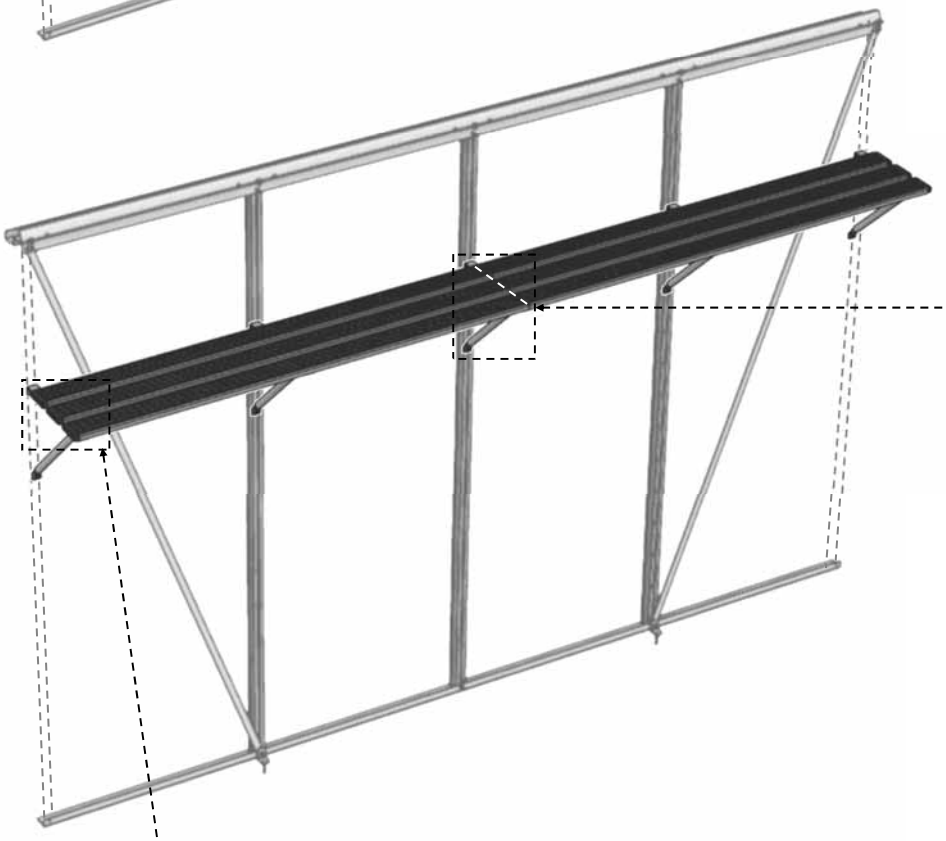

CUT
D208
X6

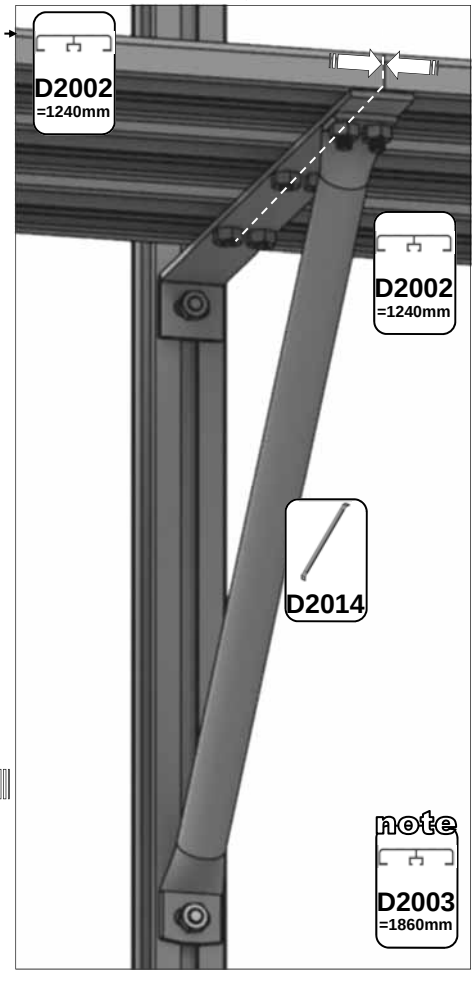
Example: 2x 4' 3 slat shelves 'ST0304' = 8' run

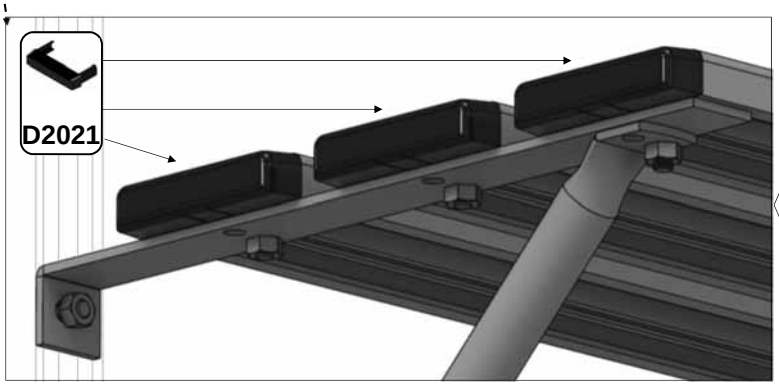






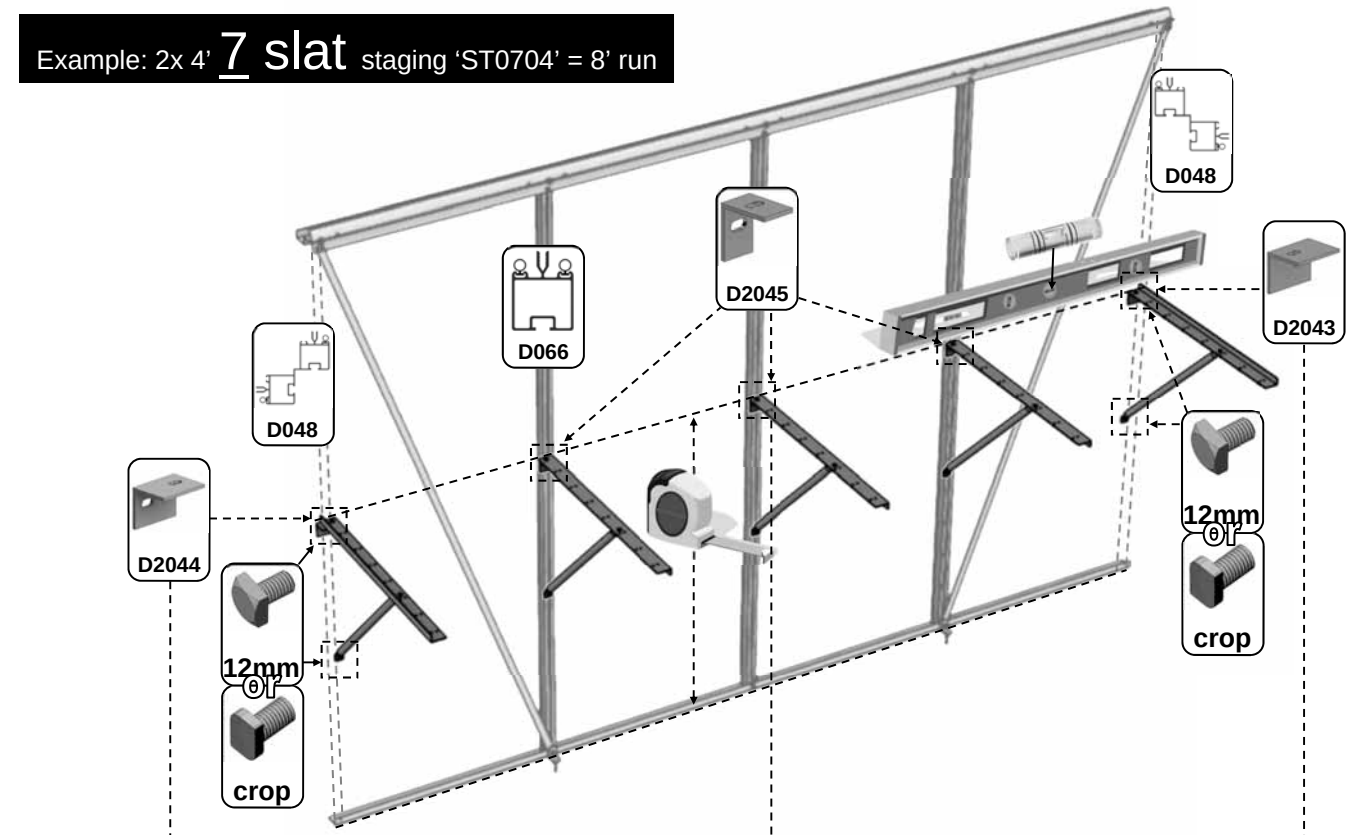


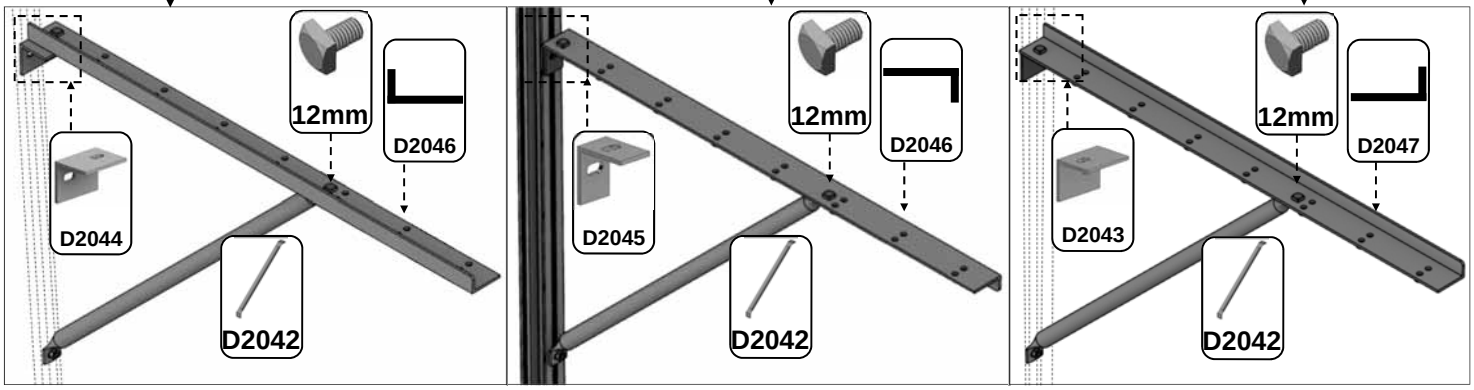


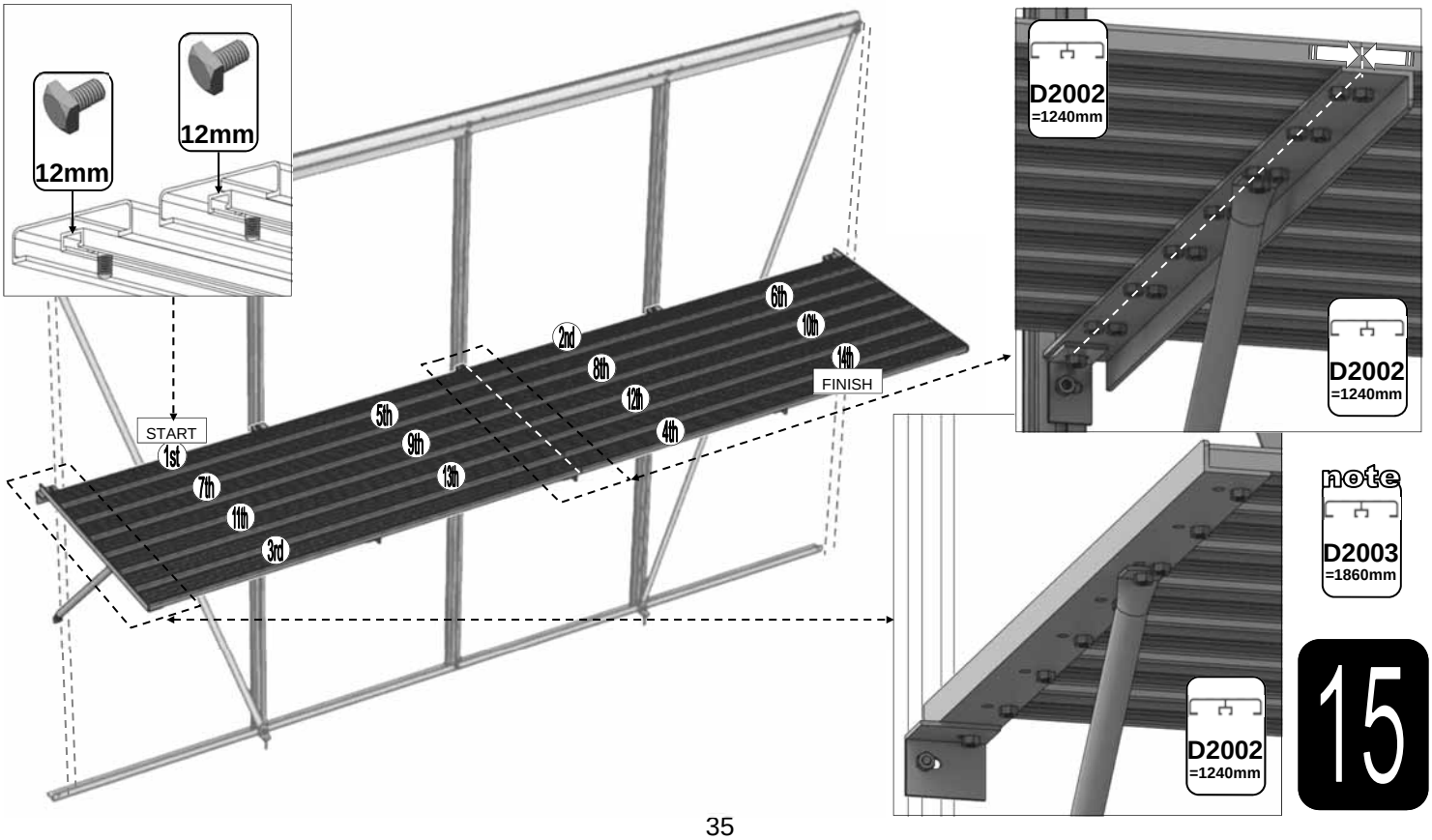


14

Example: 2x 4' 7 slat staging 'ST0704' = 8' run







15

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:_____

_____

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