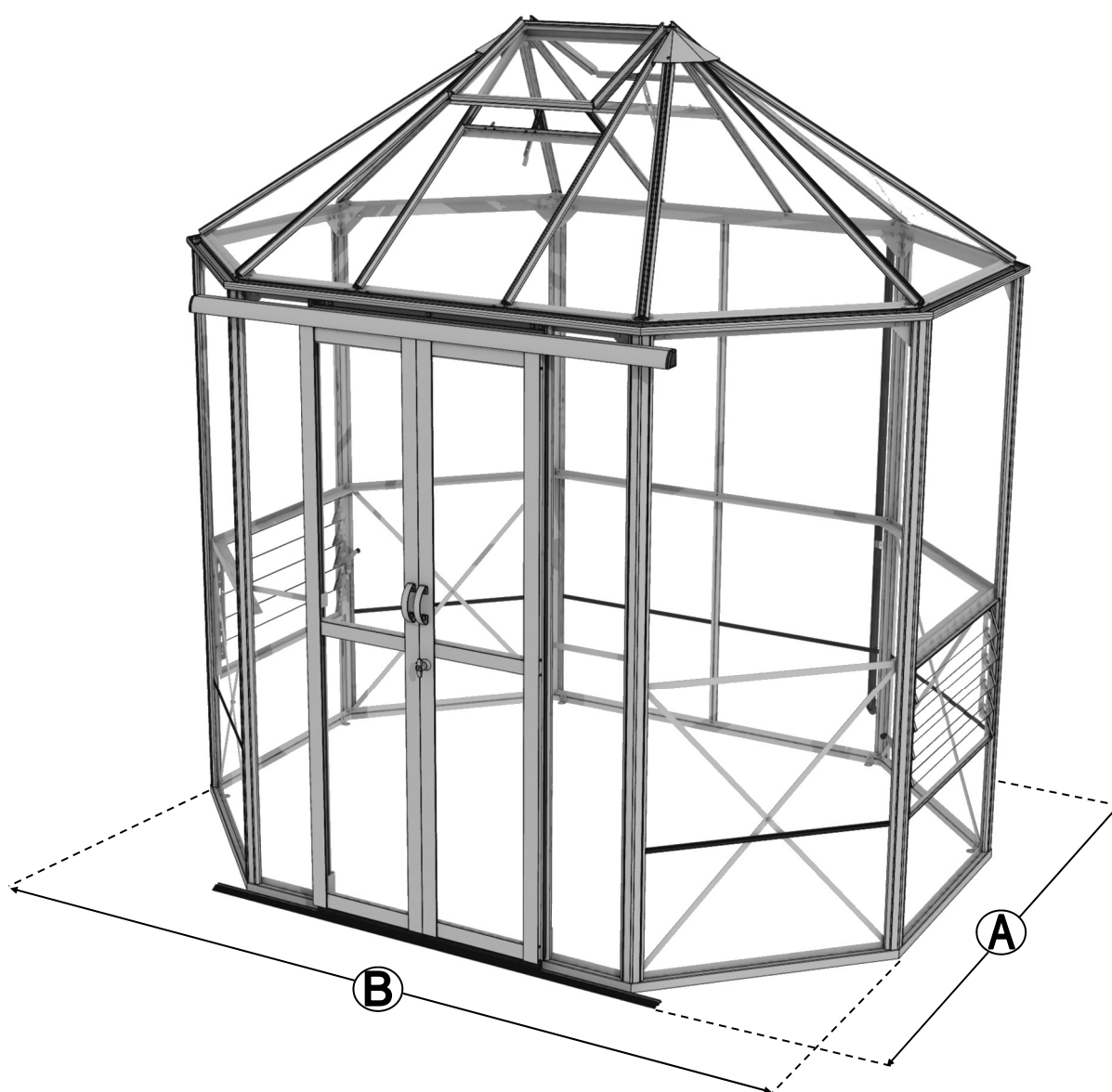
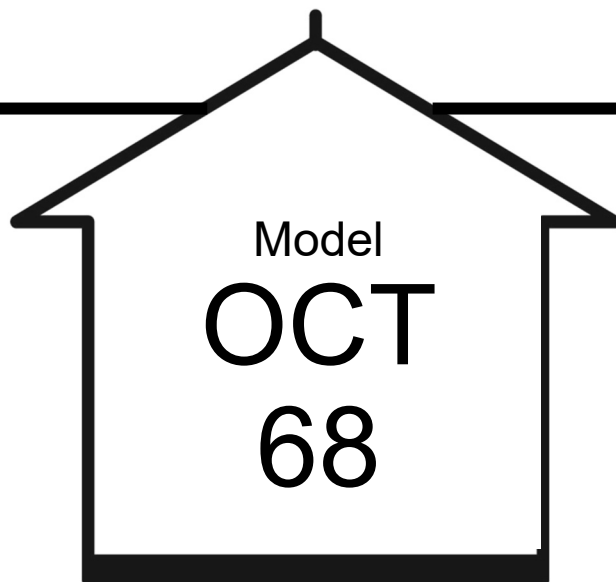




A (mm)	B (mm)
1910	2410

Issue 1.4



Thank you for purchasing your new greenhouse. We recommend you familiarise yourself with the instructions and read all safety information before you commence assembly.

These instructions are divided into sections; **B**-base, **partlists**, **P**-preparation, **1**-quarters (x4), **2**-joining sections, **3**-front assembly, **4**-roof, **5**-louvre, **6**-vents, **7**-doors, **8**-glazing, **9**-vent attachment, **10**-optional staging / shelving, **11**-door attachment, **12**-finishing touches, **13**-anchoring down, **back cover**-packing list. If you need to contact us for assistance please refer to the relevant section/s.

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

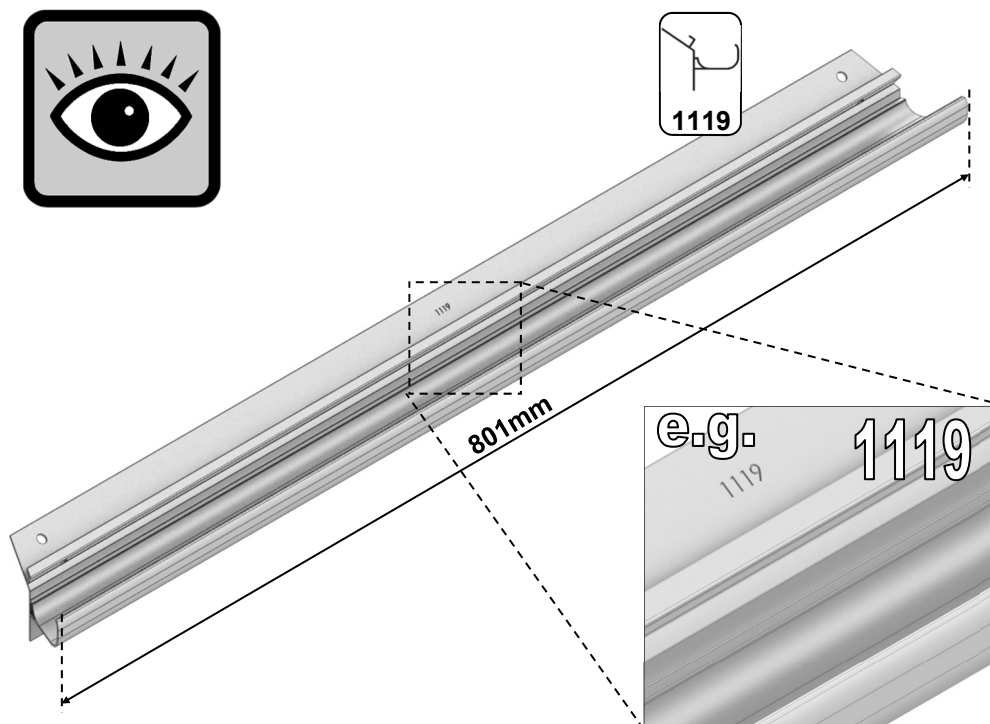
- When selecting a site for your greenhouse, it is vital that you choose as flat and level an area as possible.
- A concrete or slabbed base (slabbed recommended) will provide the most solid foundation for your greenhouse.
- IMPORTANT: Do **not** fix your building down until the building is fully assembled, including glazing.
- Avoid placing your greenhouse under trees or in other vulnerable locations.
- To minimise the risk of wind damage, try to select as sheltered a site as possible, e.g. beside a hedgerow or garden fence.

Additional Considerations

- Please bear in mind that assembling your greenhouse can be time consuming. You may need to spread the construction over two or more days. We recommend that you avoid leaving the building partially glazed. If you ever have to leave your greenhouse half assembled and not anchored down, weigh it down with slabs or bags of sand to stop the wind moving it.
- You will find it helpful to prepare a large, clean and clear area in which to work in. A garage floor or flat lawn area is ideal.
- If you have arranged for someone to install your greenhouse for you, please check that all components are included. Most parts are numbered and can be identified by a stamped number (without the 'SY', 'HE', etc..) or removable label. Alternatively, the components can be identified by lengths detailed in the packing list (see diagram below). Please also note that **NOT** all parts for a specific area will be packed together, i.e. door related components are packed together and some are used in main frame construction.
- Anchoring down your greenhouse should be the final stage of construction just after glazing.

Guarantee

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



KEY SYMBOL	KEY DESCRIPTION
	EXTERNAL VIEW
	INTERNAL VIEW
	THINK / IMPORTANT
	THIS SECTION RELATES TO ANOTHER (e.g. 1 to 5)
	CORRECT
	DO <u>NOT</u> FIX DOWN!
	TWIST TO LOCK
	CUT TO LENGTH

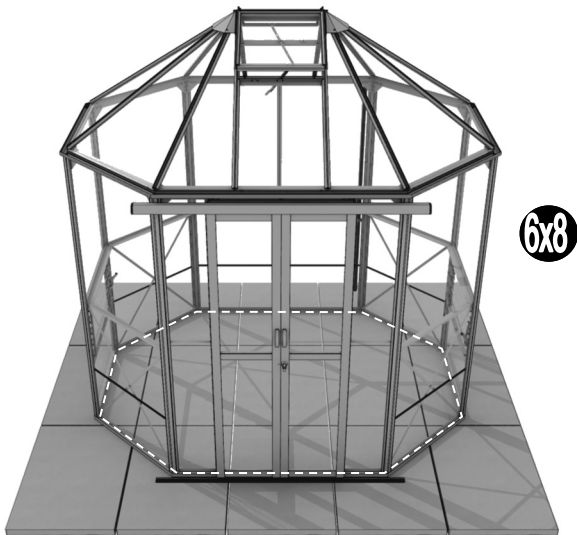
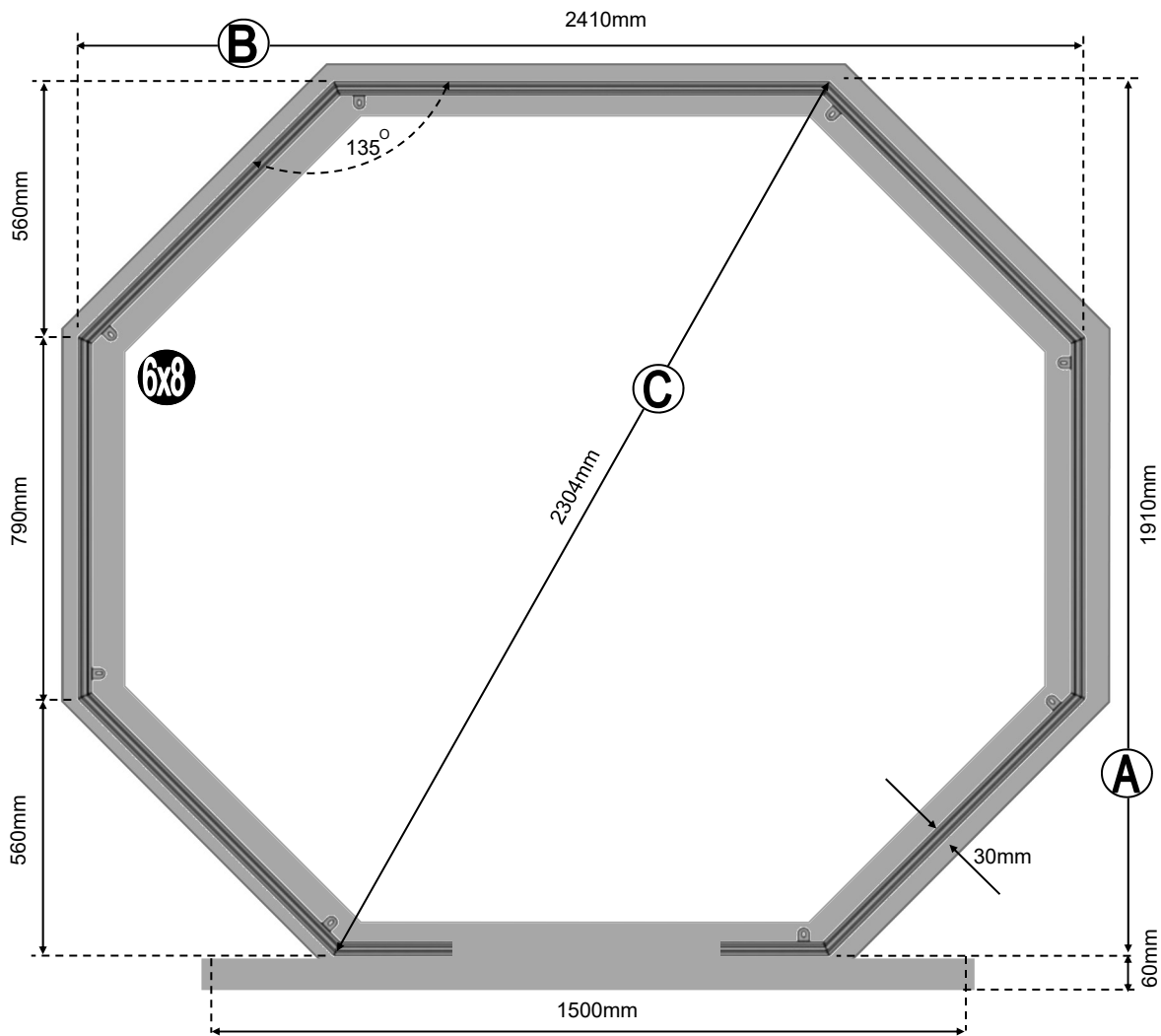
EXACT EXTERNAL FOOTPRINT DIMENSIONS (mm)			
use 'mm' measurements.			
MODEL	A (mm)	B (mm)	C (mm)
OCT 68	1910	2410	2304

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

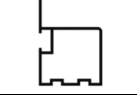
It is essential that the **BASE IS FLAT, LEVEL AND SUBSTANTIAL** enough to take the weight of the greenhouse including its glass.

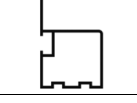
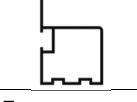
Give yourself enough room around your base to allow for fitting the glass and any on-going maintenance / cleaning. A slab base which is larger than the greenhouse is the ideal solution and is our preferred foundation. Slabs are ideal because they allow for some drainage between them (no greenhouse is 100% waterproof) and they will also help support the lower door runner SY659 and threshold SY661 (see section '10').

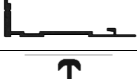
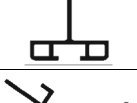
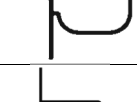
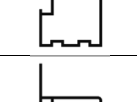
IMPORTANT: Do not anchor your greenhouse down until it is fully assembled including glazing unless you are 100% sure your base is square and level. If not your glass will not fit properly.



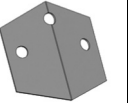
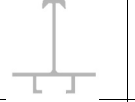
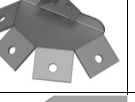
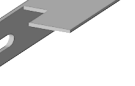
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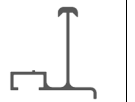
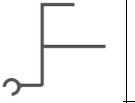
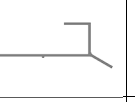
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	SY1119		801	4
	SY1122		790	4
	SY1127		1133	8
	SY1128		762	4

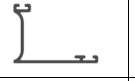
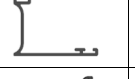
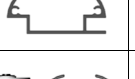
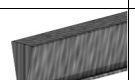
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	SY1119		801	2
	SY1121		1301	1
	SY1122		790	2
	SY1124		1290	1
	SY1128		762	2
	SY1130		1262	1

3	SY615		N/A	1
	SY616		N/A	1
	SY654		732	1
	SY1116		1802	2
	SY1153		1301	1
	SY1167		278	1
	SY1168		278	1

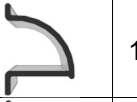
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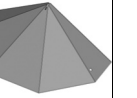
4	SY1118		1130	8
	SY1125		N/A	8
	SY1163		1108	4
	SY1164		520	1
	SY1169		N/A	2
	SY1180		482	2

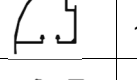
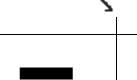
6	SY127		457	4
	SY1178		482	2
	SY1179		456	2
	SY STAY		N/A	2

7	SY630		1730	2
	SY652		1730	1
	SY653		1730	1
	SY657		365	2
	SY666		365	2
	SY670		365	2
	HE384		112	2
	SY629 (PLASTIC)		795	8
	HE571 (FLUFF)		3800	1

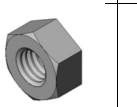
Page Ref	Part No.	Section / Part	Size (mm)	6x8
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8	SYBCC /W1802		1802	20
	SYBCC /W1130		1130	24
	ROSEP 730		730	4
	RO SEPS		610	2
	SYFOA M		15000	5

9	SY1165		N/A	2
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11	SY655		729	1
	SY658		1480	1
	SY659		1480	1
	SY661		690	1
	SY1162		266	2
	HE400		N/A	2
	HE560 (RUBBER)		N/A	2

12	D211		1625	1
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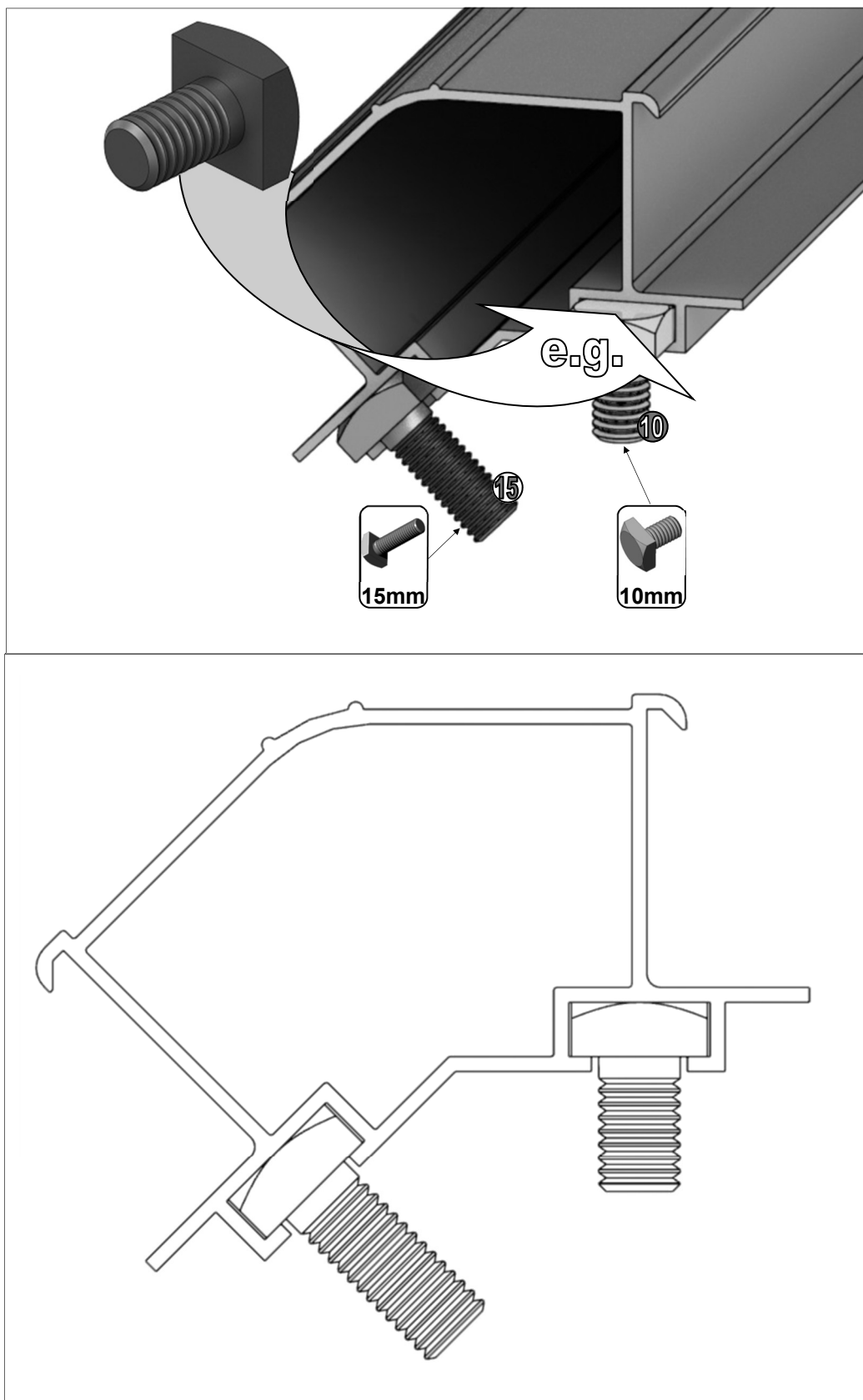
	SYBOL M6X11		10	146
	SY-BOL M6 X15		15	50
	SY NUT M6		M6	186



SECTION No	TITLE	ASSEMBLY SYNOPSIS: IMPORTANT INFORMATION / CONSIDERATIONS
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.
	PARTS LIST	Most components should have a 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 - 13 shown below. Parts can also be identified by their profile pictures and stated lengths if the punched numbers are hard to find.
P	PREPARATION	The frame is assembled by feeding square headed bolts, either 10mm or 15mm in length into the slots on glazing bars and then locating those bolts through holes in purlings and cills, etc... Twist in (rectangular) crop headed bolts are also used towards the end of construction to attach components to the frame when the glazing bar slots are no longer exposed at the ends. Do not over-tighten any bolts / nuts as they may cross-thread, you may also need to manipulate the shape of the frame slightly during glazing and door hanging so keep the nuts finger tight plus half a turn with a spanner until just before the nut caps are applied. Tools required / recommended.
1	QUARTERS	Use 10mm and 15mm bolts to join the components (note how the head of the bolt slides into each glazing bar during construction). The correct choice of bolt is highlighted with a number 10/15 in each of the diagrams.
2	JOINING THE SECTIONS TOGETHER	Take the four quarters (1) and join them together using the cills 'SY1122' and gutter components etc.... IMPORTANT: Please ensure that the downpipe gutter 'SY1121' is located at the rear middle. 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. Ensure that all internal angles are equal and that the frame is perpendicular to the ground.
3	FRONT ASSEMBLY	Components for this section are found in the main box and in the door pack. This section begins to formulate the doorway prior to door attachment in section '11'. Remember to slide the 10mm bolts into the two SY1116 glazing bars adjacent to the doorway ready to attach the door braces and stops later.
4	ROOF	Attach the eaves plates 'SY1125' linking the eight gutter sections. Slowly work through the section making sure that the building is square and that you have pre-inserted the extra bolts into the 'SY1163's'. The stay pins do not need to be attached if you have gone for an optional 'autovent/s'.
5	LOUVRE	Two louvres are supplied with each model. They attach to the building during the glazing process '8' using twist-in crop headed bolts. The louvers have to be sandwiched between the two panes provided.
6	VENTS	Two vents are supplied with manual stay fittings as standard. The stays do not need to be attached to the vent bottoms if you have gone for the autovent/s option. Prior to vent fitting offcuts of capping '8' need to be utilised to cap the vent sides to minimise glass movement.
7	DOORS	Assemble the doors using the HE583 self-tapping screws provided. Ensure that the door middle horizontals are in the correct orientation. Plastic parts SY629 are slid into the door verticals and retain the glass, if they cause interference they may need a few 'mm's' removing. The doors are attached to the structure in section '11' after the rest of the building has been glazed.
8	GLAZING	Before commencing glazing make sure that the frame is still square and level and that the building is perpendicular to the ground. The adhesive foam goes longitudinally over the greenhouse frame, see examples in diagrams. It never goes horizontally, the glass just sits directly onto the aluminium cills in the sides. Remove the white paper on the foam before it gets wet as it is difficult to remove, i.e. it comes off in small pieces. Layout the bar cappings 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. 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. Do not leave the building part glazed to prevent wind damage. Some of your capping will need to be cut (use hacksaw) around the vents and louvers as it only needs to be adjacent to a piece of glass. It is advisable to leave out panes 'U' (457x680) until after the vents have been inserted as it will allow you to have better access to the roof vents and 'SY1165' cowls. Once the vents and cowls have been attached take this opportunity to silicone seal the cowls. The slam bar 'SY1180' can be moved up or down if it is in your way. Once the vents and cowls have been fitted it is pane U which determines the height of 'SY1180' as it abuts its top edge.
9	VENT ATTACHMENT	Apply off cuts of capping to the vent sides if you have not already done so. The vents then need to be slid into the ridge profile from either end. Centralise the vents on the ridge and fit stops. Reaching through an open vent or through the space where the 'U' panes will be positioned add the ridge cowls 'SY1165' and apply silicone to help weatherproof the top of the building. The cowls are attached by carefully using a 'EV0329' tek screw which will bore into aluminium or plastic. The cowls may need to be flexed slightly to enable them to slot into position. Fit pane 'U' if you have not already done so. If you gone for the autovent option then the unit/s now needs to be clamped onto the vent bottom 'SY1179' and the slam bar 'SY1180' (please note that none of the holes in the parts are utilised, the autovent just clamps on).
10	OPTIONAL SHELIVING / STAGING	The height of the staging is determined by the greenhouse horizontal purlings 'SY1128' etc... The shelf though can be fitted at the height you determine. Use the supporting tubes 'EV0349 & SYD2014' to fit the staging and shelf perpendicular to the frame.
11	DOOR ATTACHMENT	Attaching the upper door track SY658 and the lower door runner SY659 will allow the doors to be hung onto the structure. Getting the doors to slide perfectly will take some fine tuning and the shape of the doors may need to be adjusted fractionally to correspond with doorway aperture that they are covering.
12	FINISHING TOUCHES	Now that the main body of the structure is complete you can add the downpipe fittings. Use the waterproof tape and silicone to seal between the gutter sections. The downpipe bracket 'D841' is attached by carefully using a 'EV0329' tek screw which will bore into aluminium or plastic.
13	ANCHORING DOWN	Now that the greenhouse is finished and the door is operating without interference 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 through the HE300 base brackets.

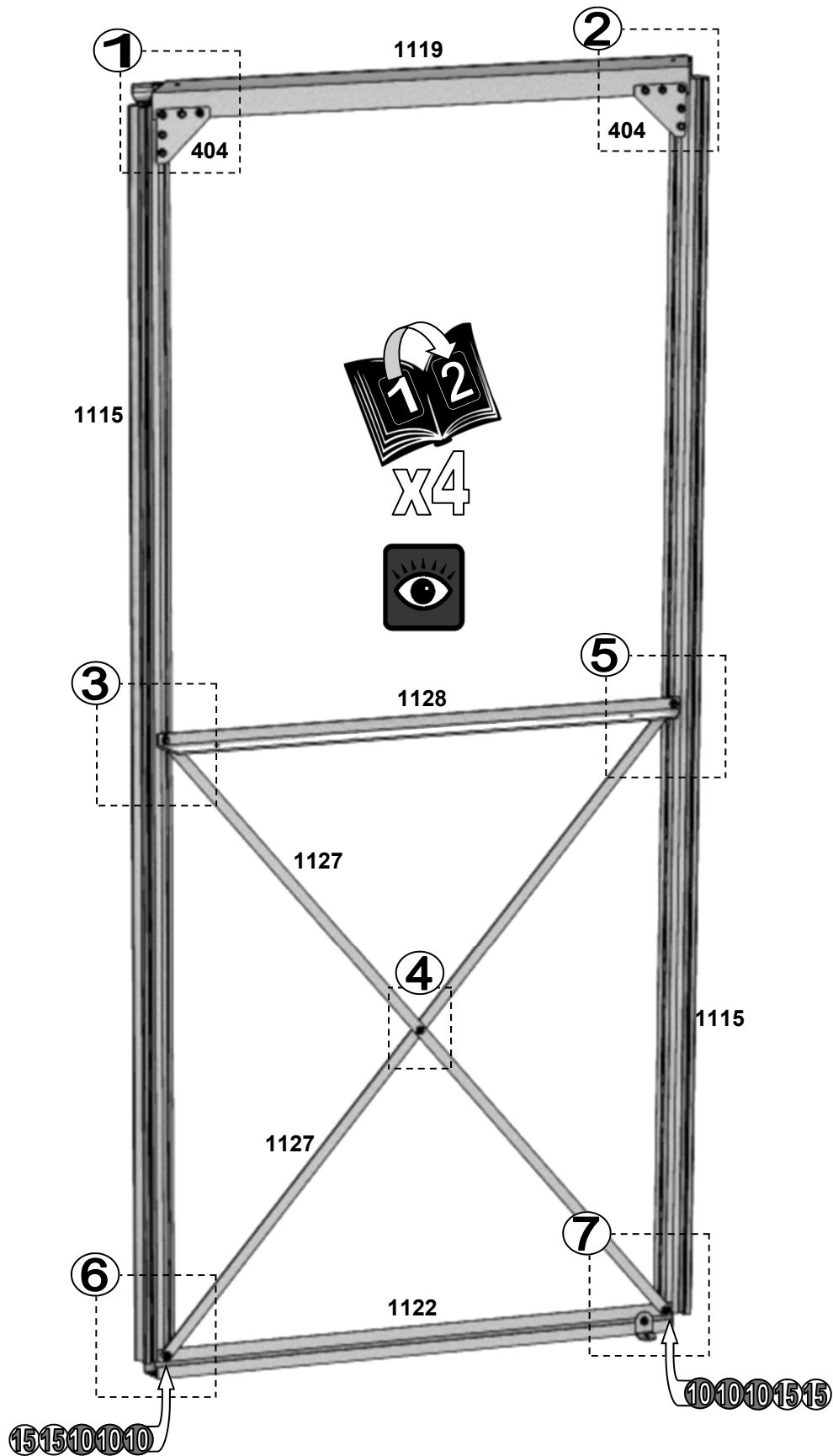
The frame is assembled by feeding square headed bolts, either 10mm or 15mm in length into the slots on glazing bars and then locating those bolts through holes in purlins and cills, etc... Twist in (rectangular) crop headed bolts are also used towards the end of construction to attach components to the frame when the glazing bar slots are no longer exposed at the ends.

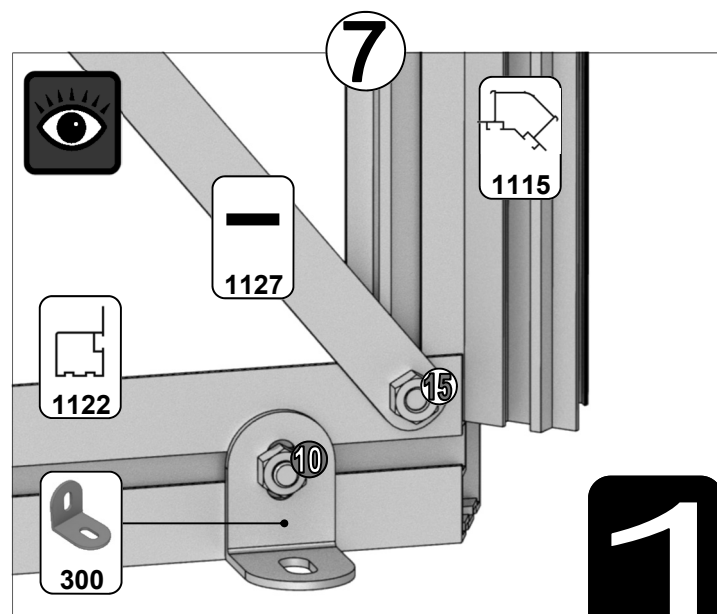
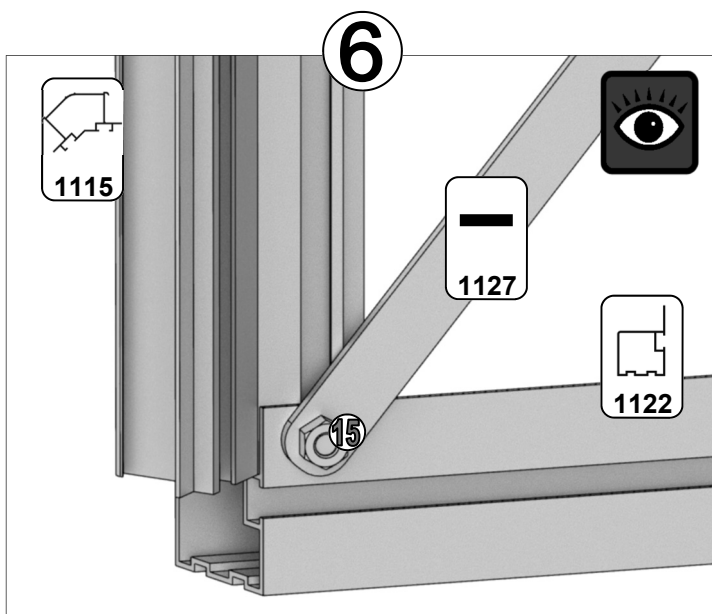
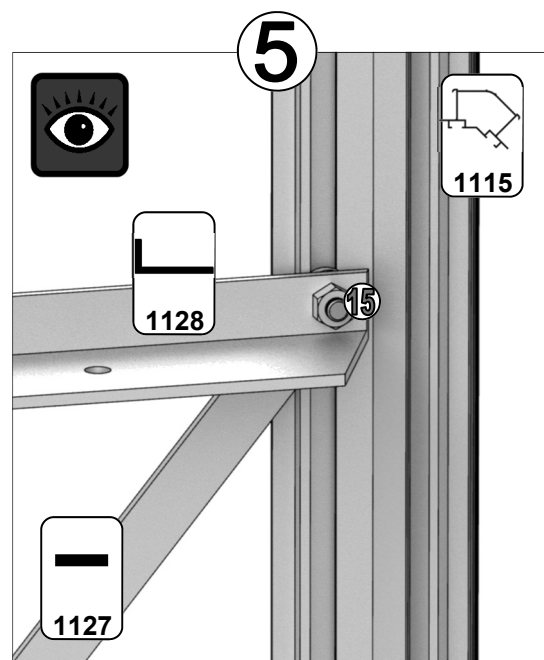
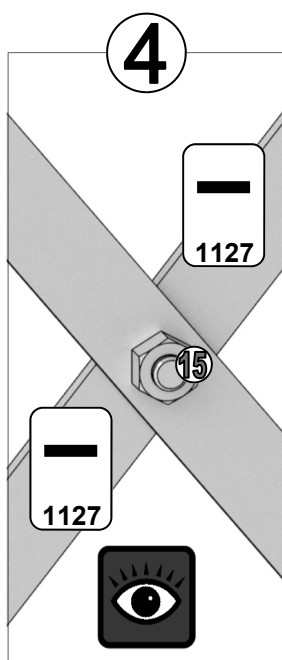
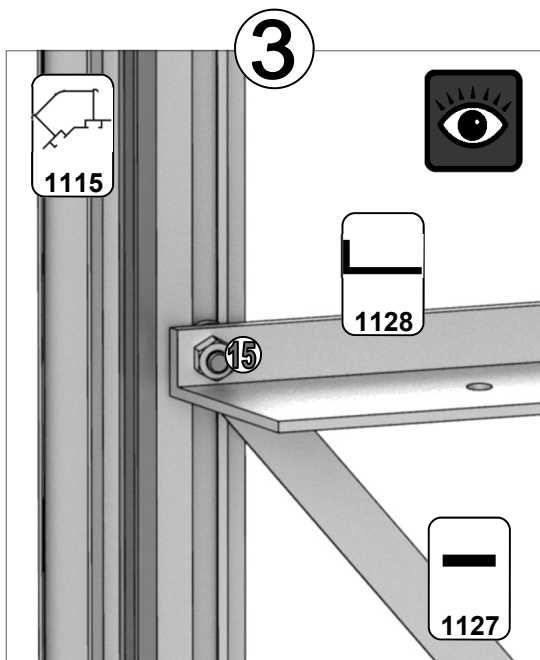
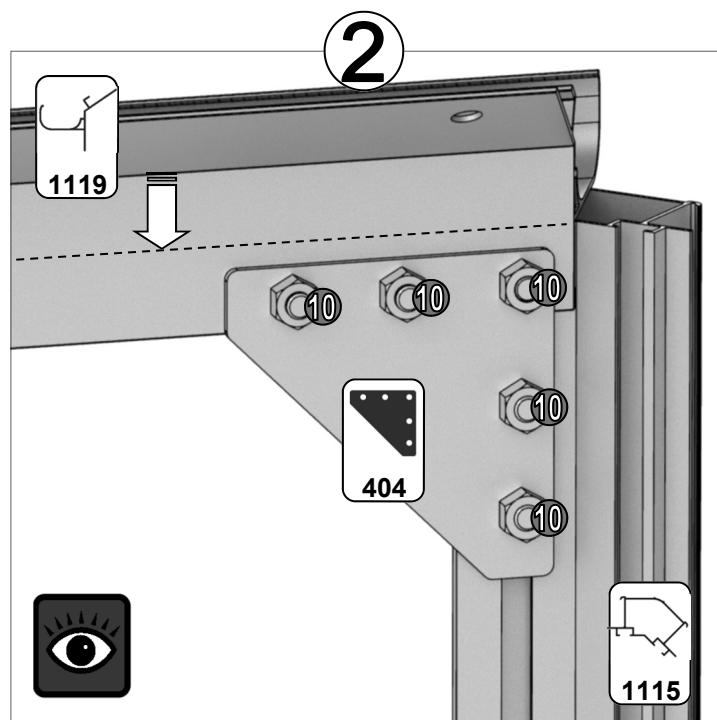
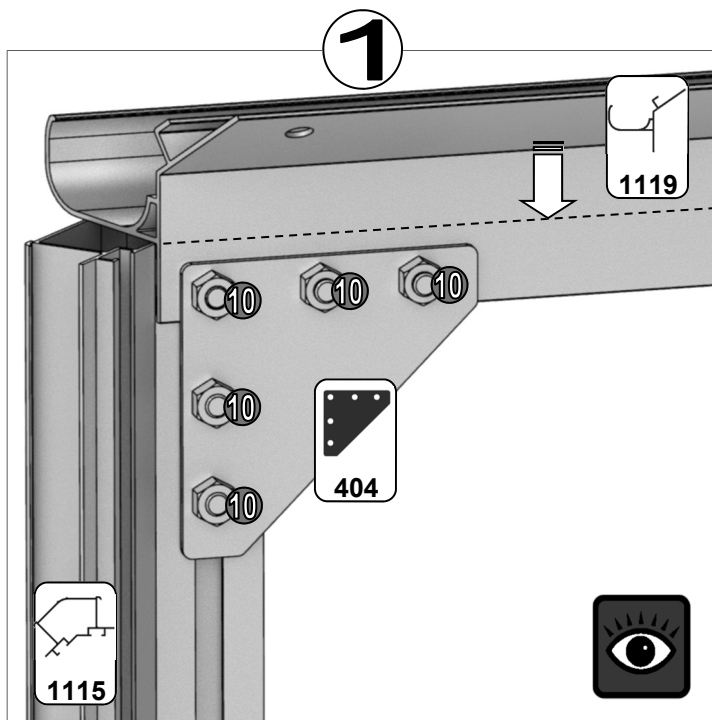
IMPORTANT: Please do NOT over tighten any of the nuts during construction as they can cause the aluminium bolts to cross thread and possibly snap. You are best to keep the nuts just over finger tight during frame assembly to allow the frame to move and settle into its intended shape. You can then carefully give the nuts an extra half turn with a spanner prior to adding the nut cap covers towards the end of the build.





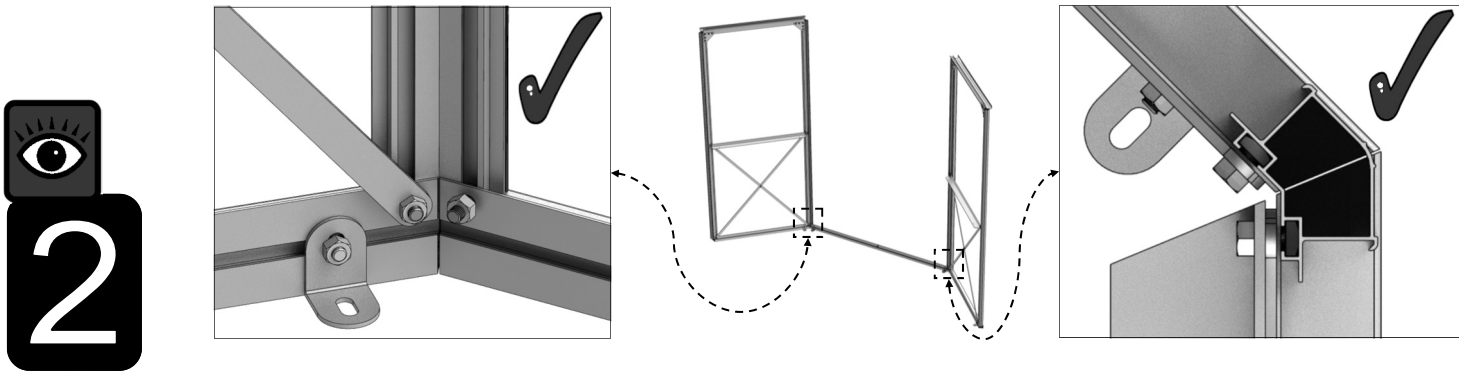
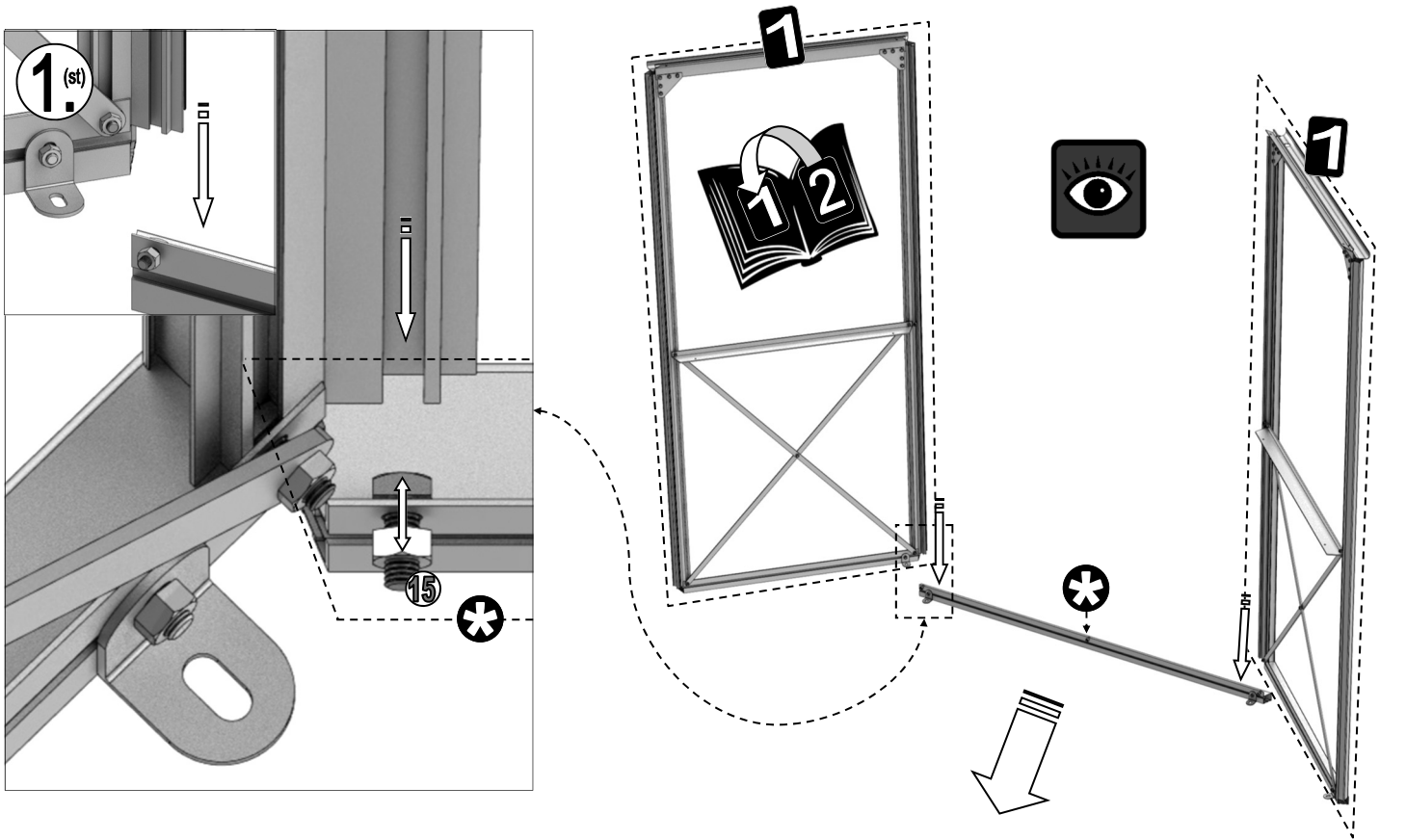
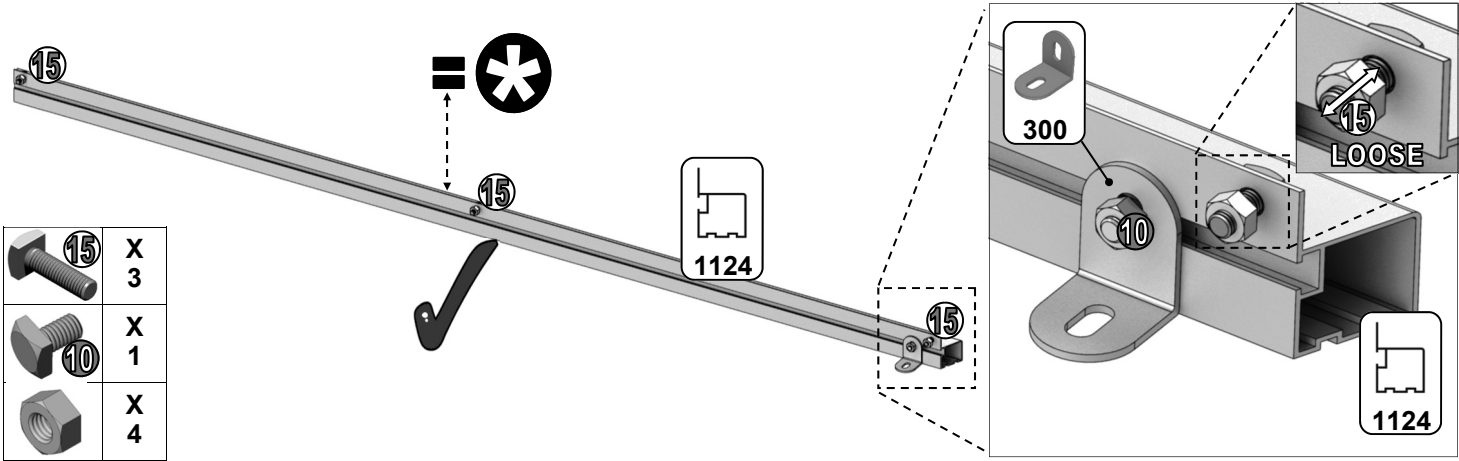
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	Detail										
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	Quantity	8	4	4	8	4	4	8	44	20	64

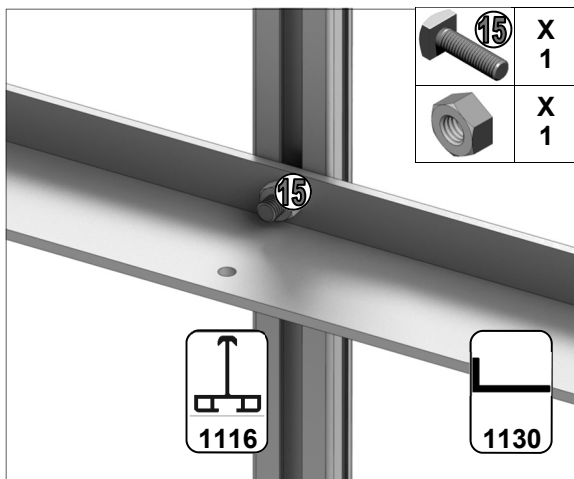
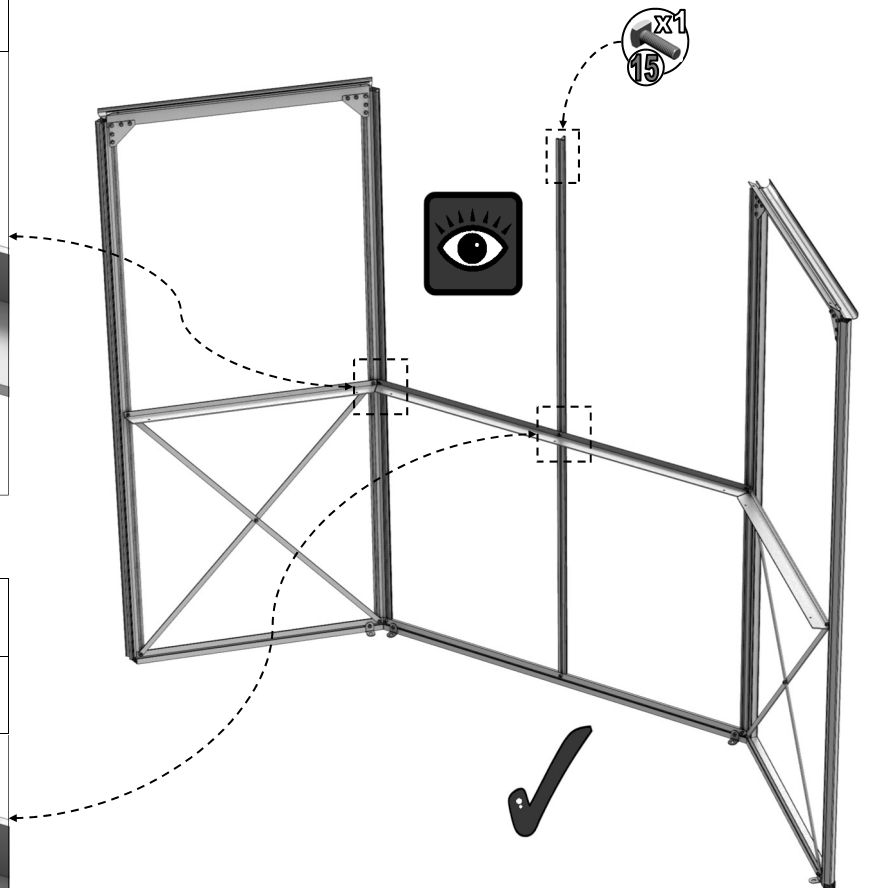
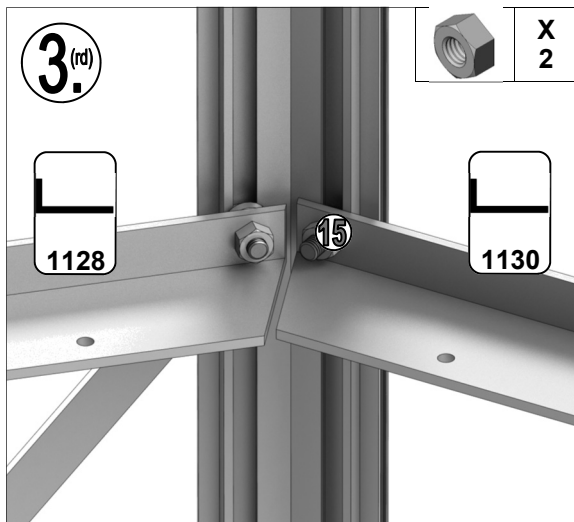
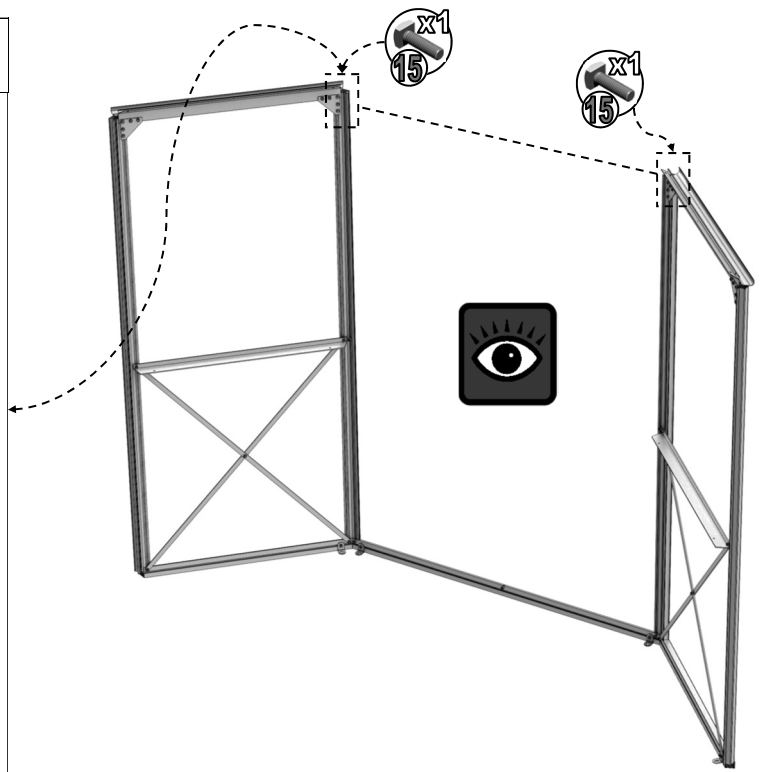
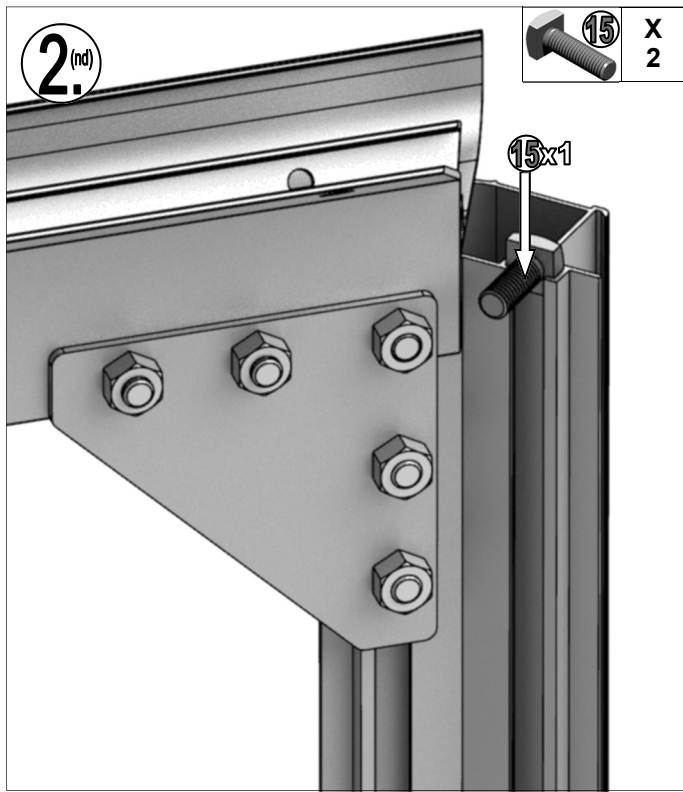


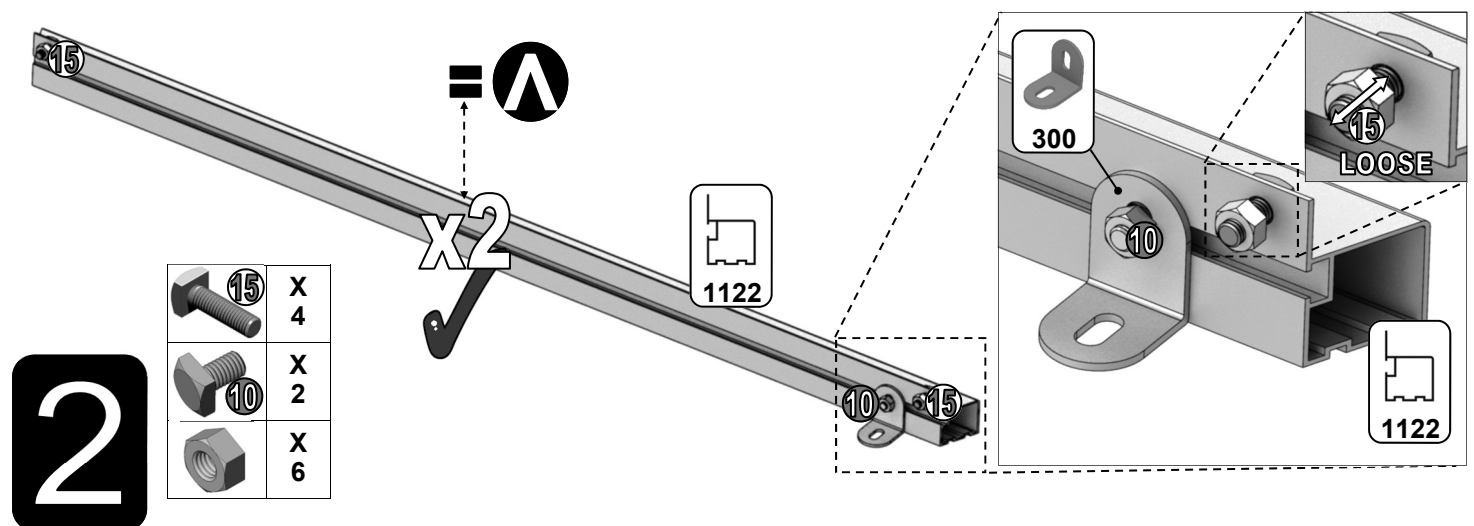
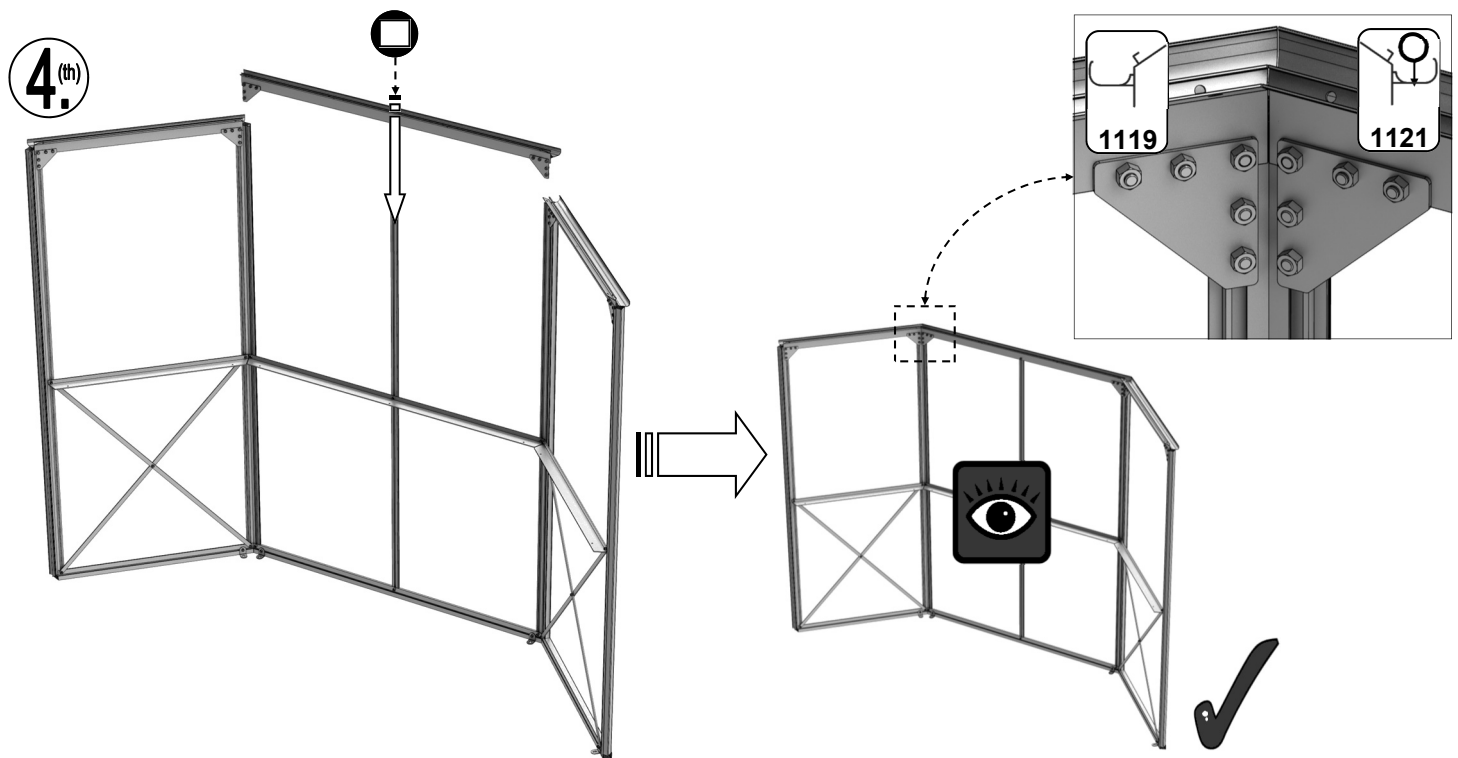
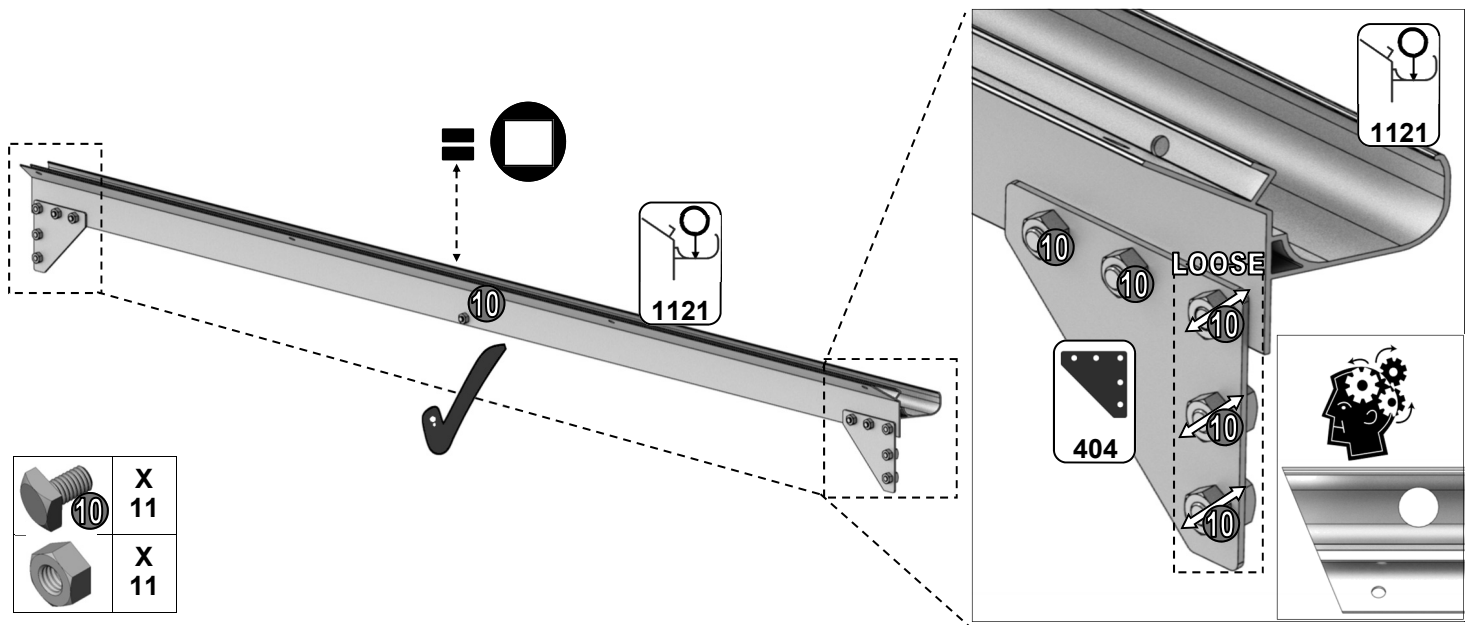


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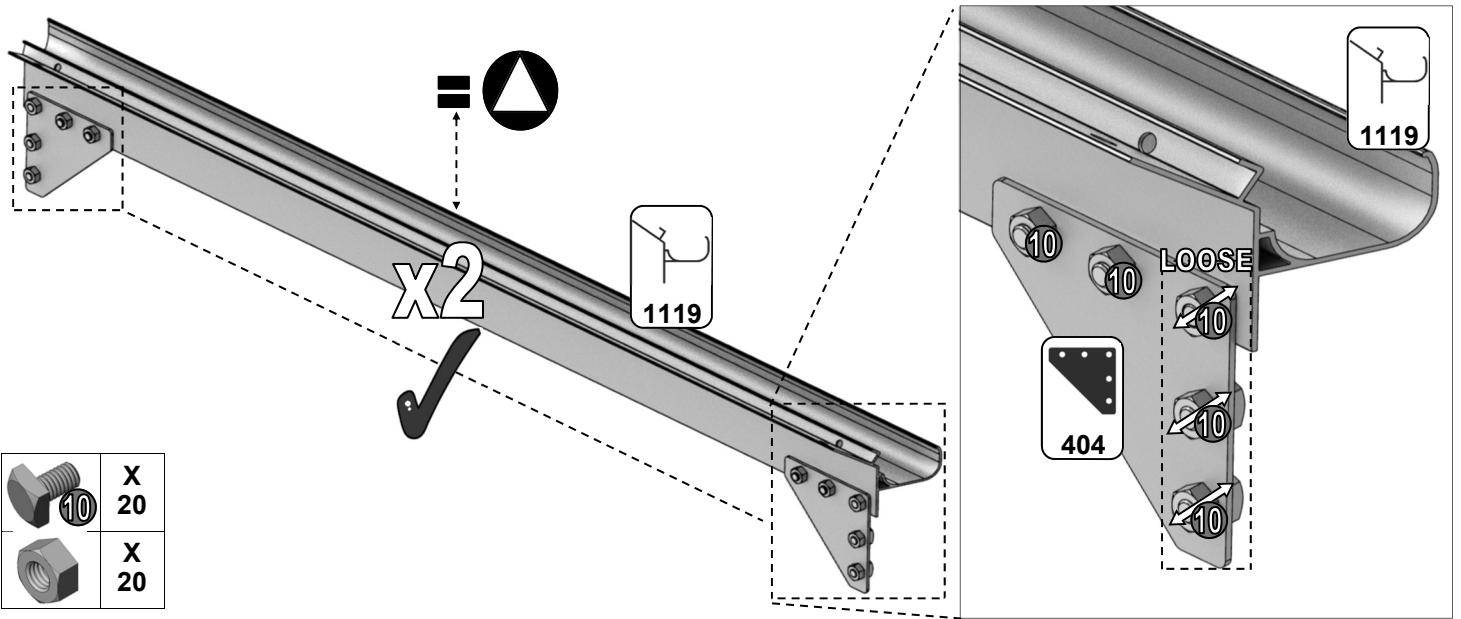
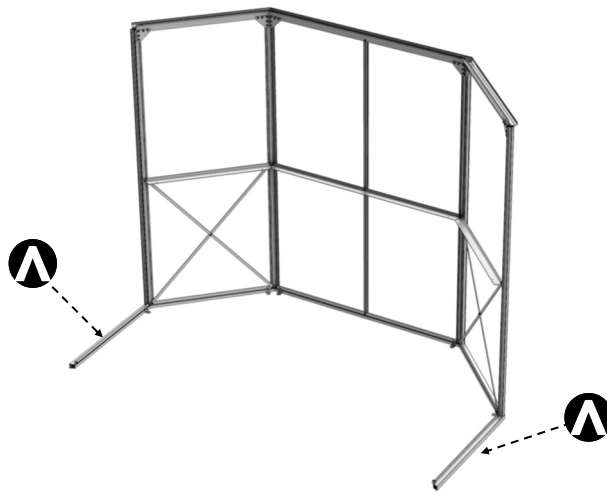
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	Detail												
	Length 'mm'	1802	801	1301	790	1290	762	1262	N/A	N/A	10	15	N/A
	Quantity	1	2	1	2	1	2	1	3	6	34	14	48





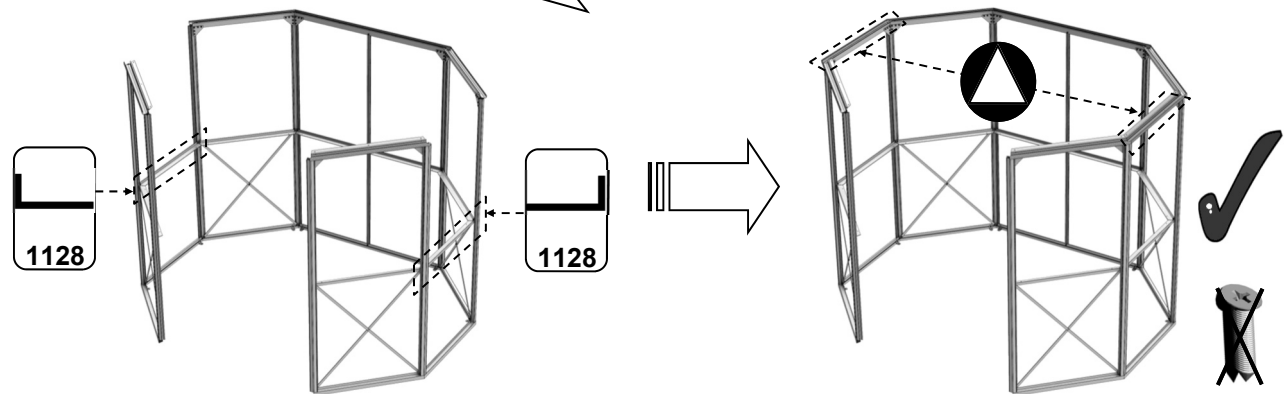
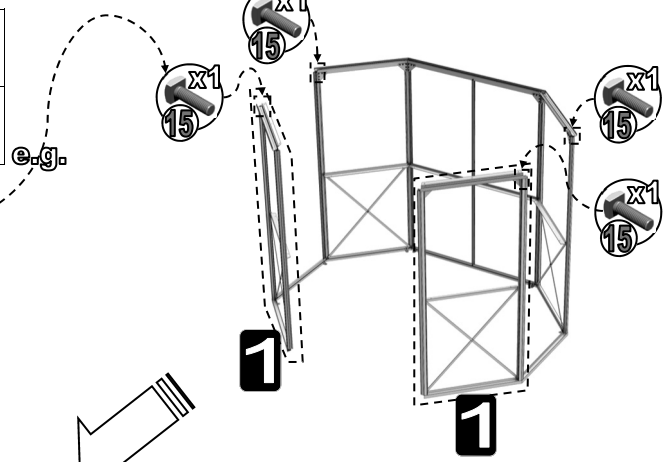
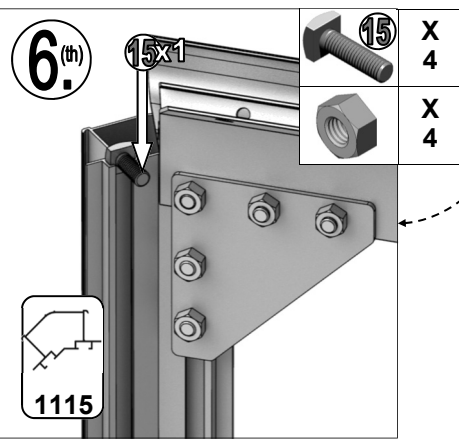


5^(th)

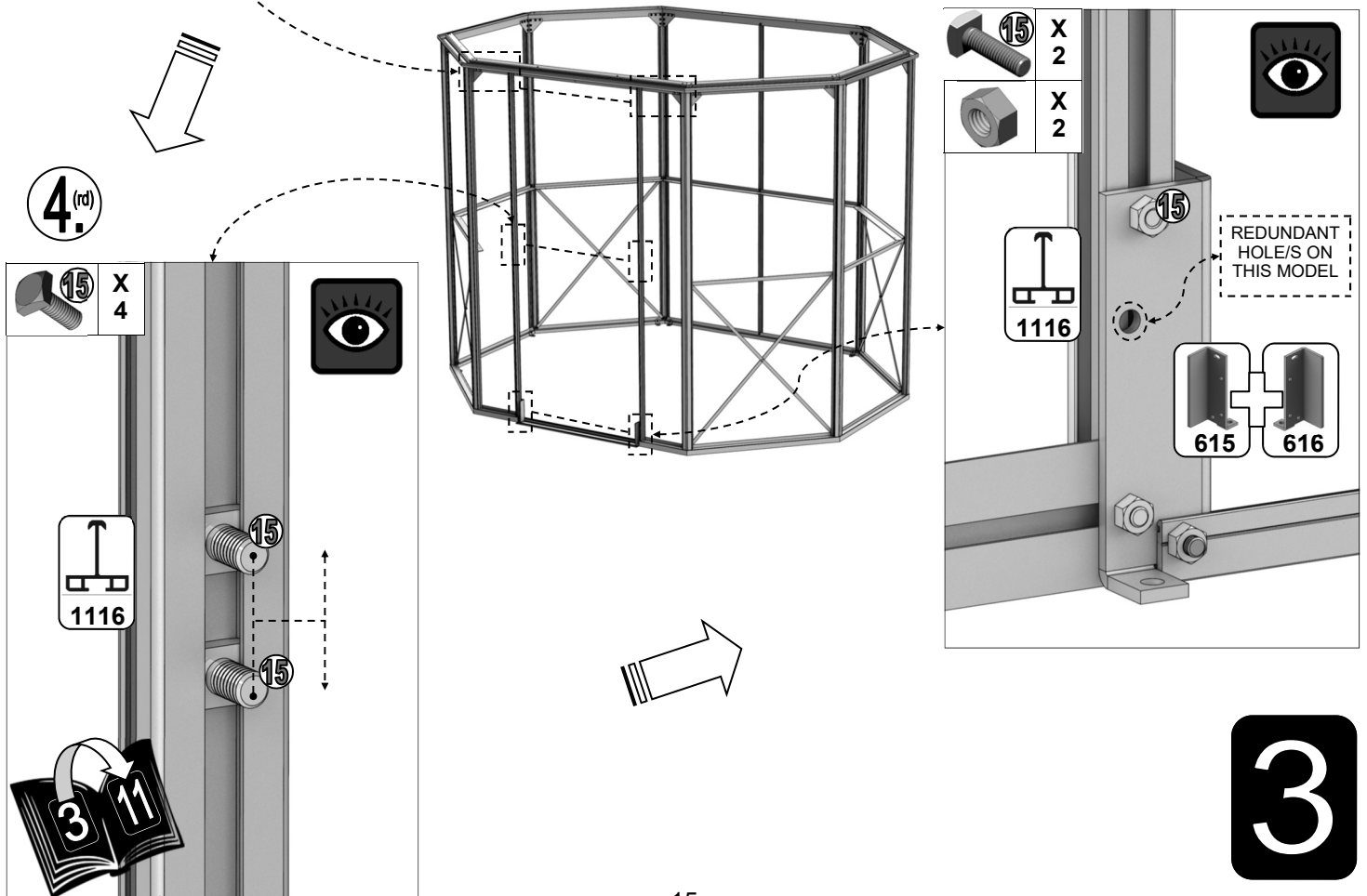
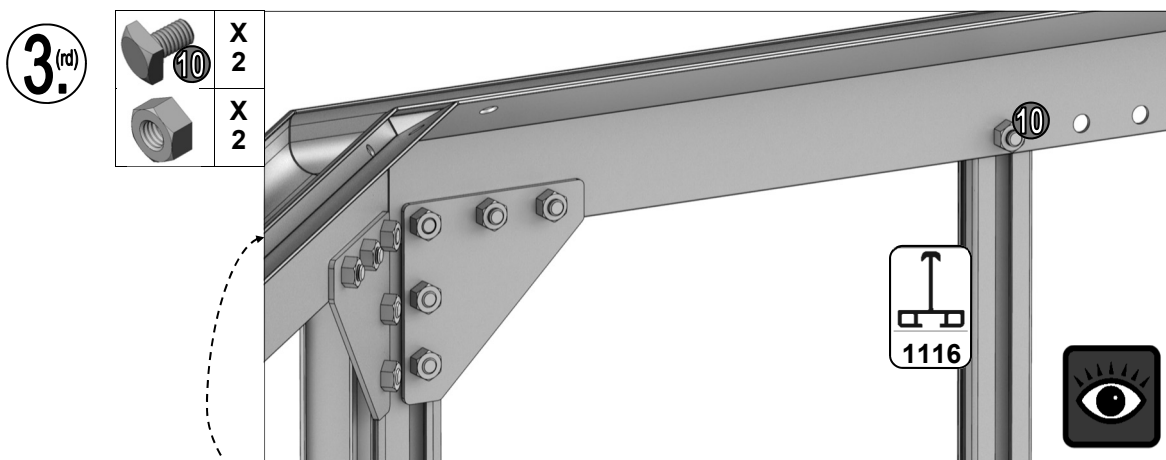
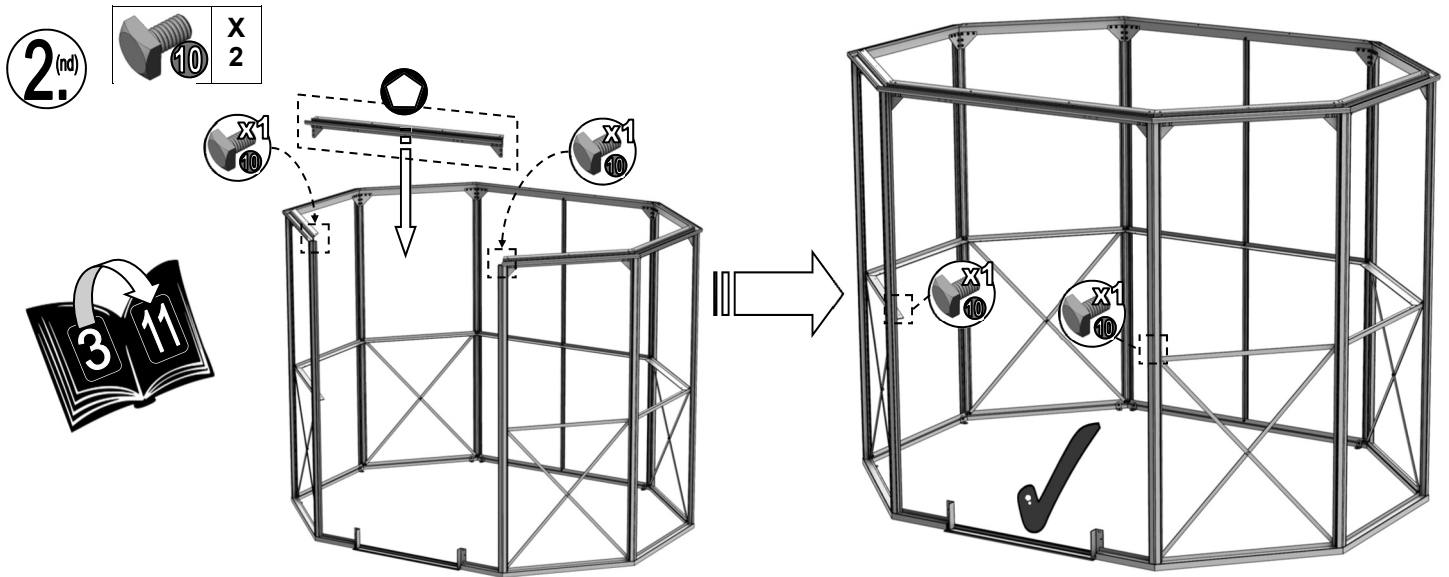


	X 20
	X 20

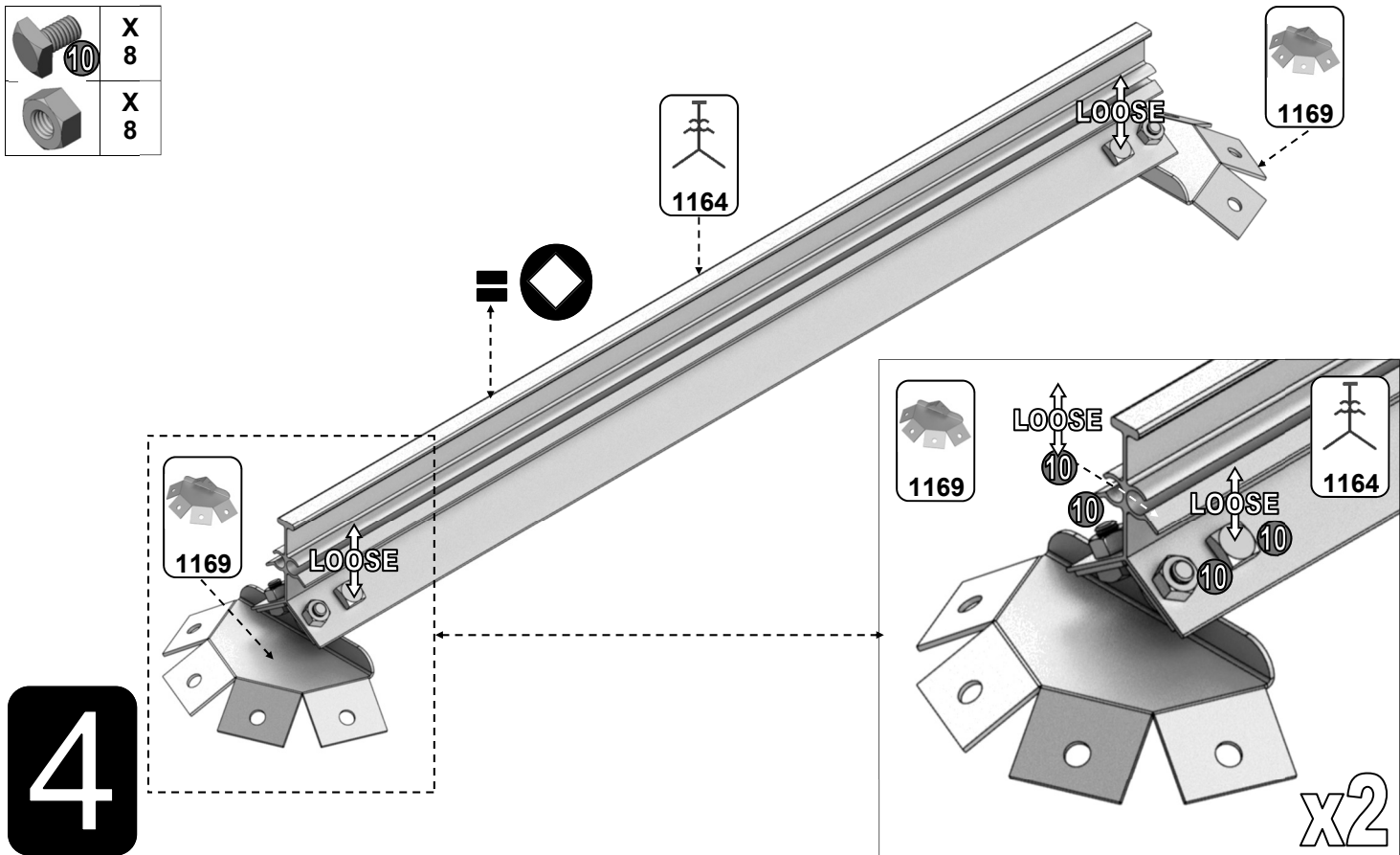
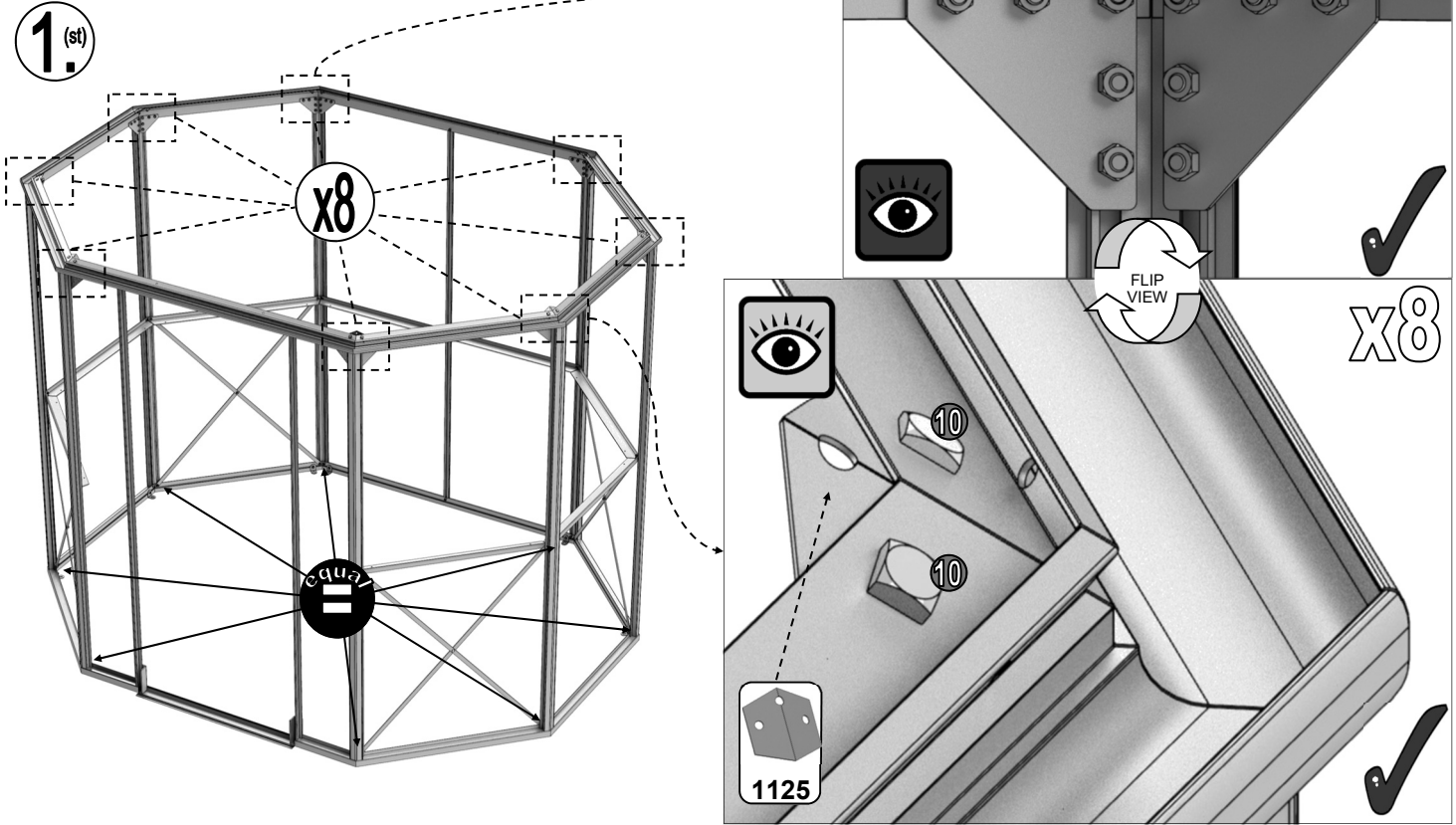
6^(th)

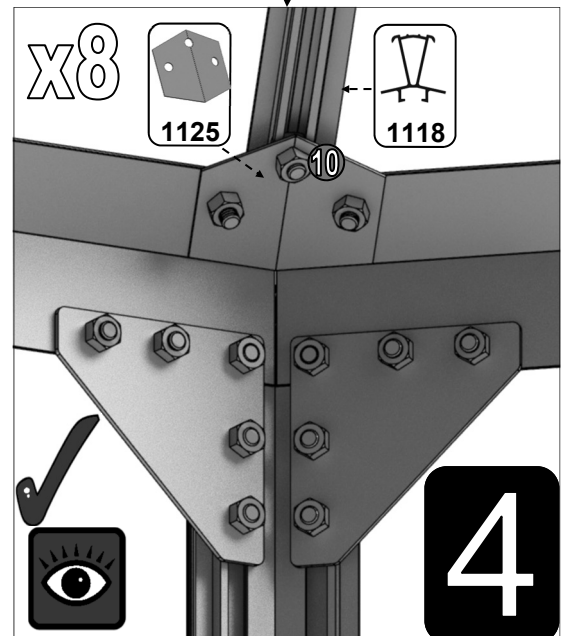
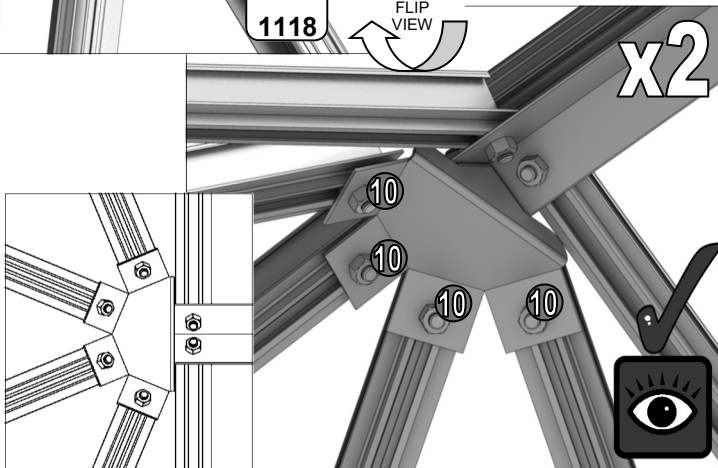
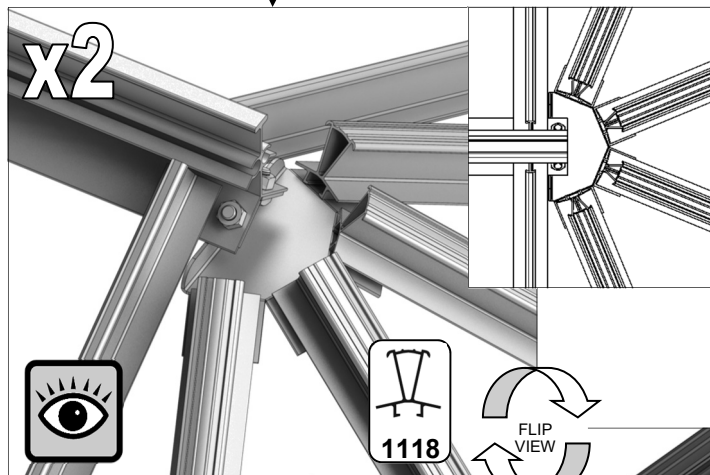
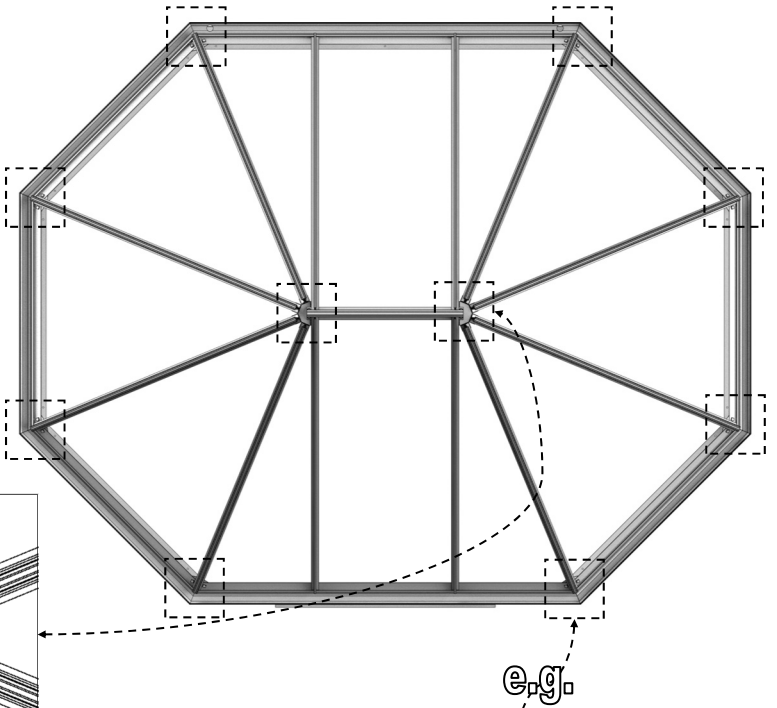
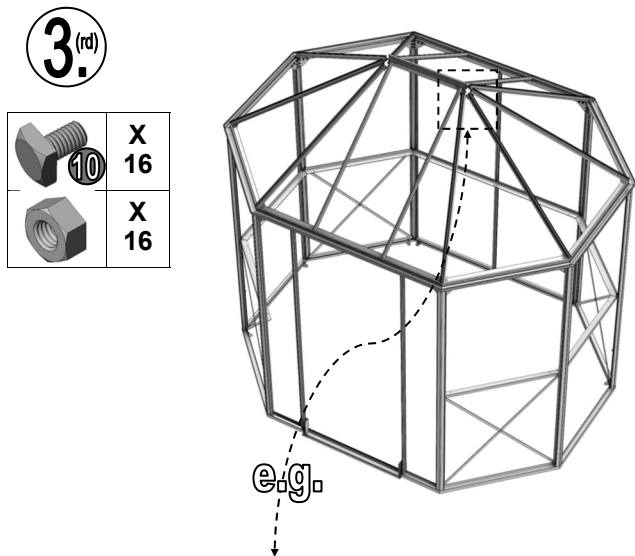
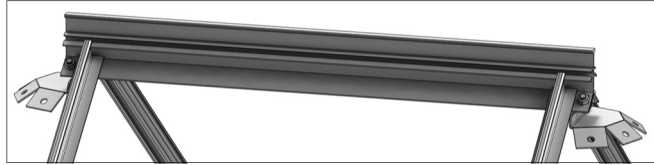
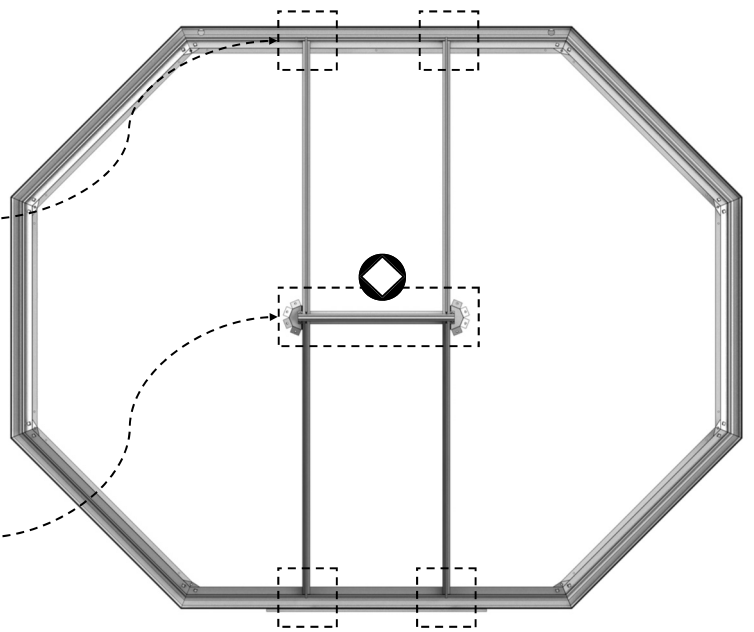
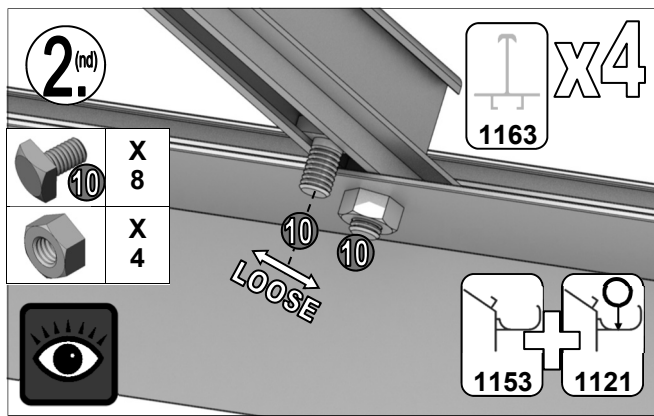


2



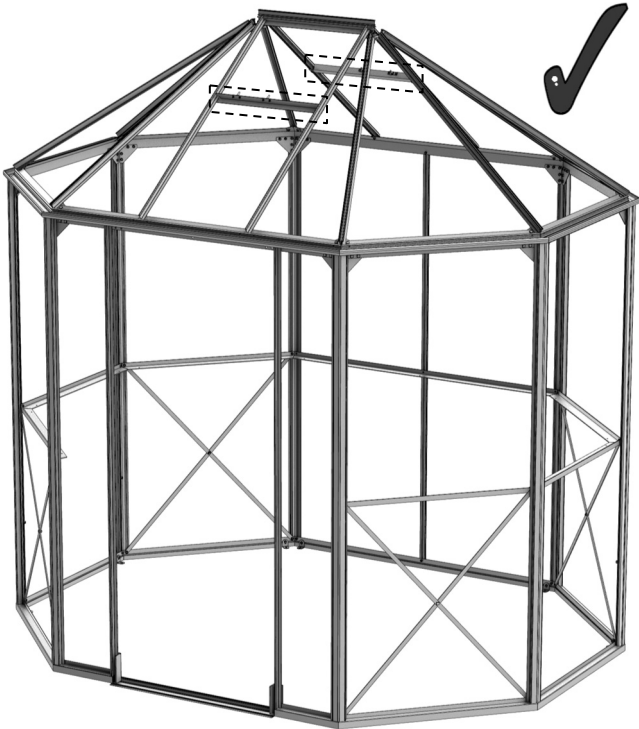
Part No	SY 1118	SY 1125	SY 1163	SY 1164	SY 1169	SYBOL M6X11	SYNUT M6
Detail							
Length 'mm'	1130	N/A	1108	520	N/A	10	N/A
Quantity	8	8	4	1	2	48	48





4b

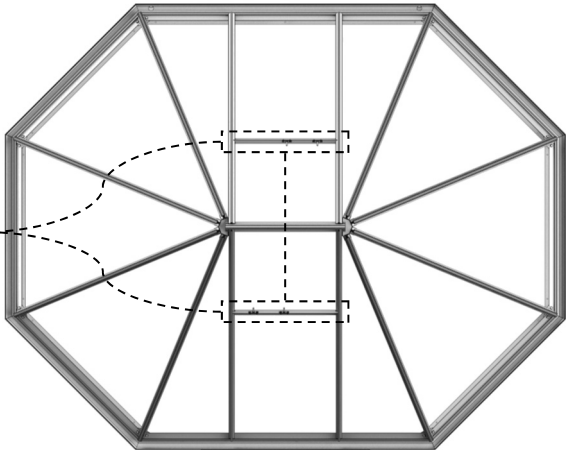
Part No	SY 1180	SY PIN	SBOL M4X10	SYNUT M4	SYNUT M6
Detail					
Length 'mm'	482	N/A	10	N/A	N/A
Quantity	2	4	8	8	4



4^(th)



OR

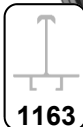


x2

OPTIONAL
AUTOVENT



1180



1163



4a 4b



1163



X
4

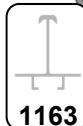


x2

MANUAL
STAY



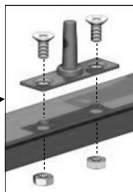
1180



1163



4a 4b



1163



X
4



X
4



X
8

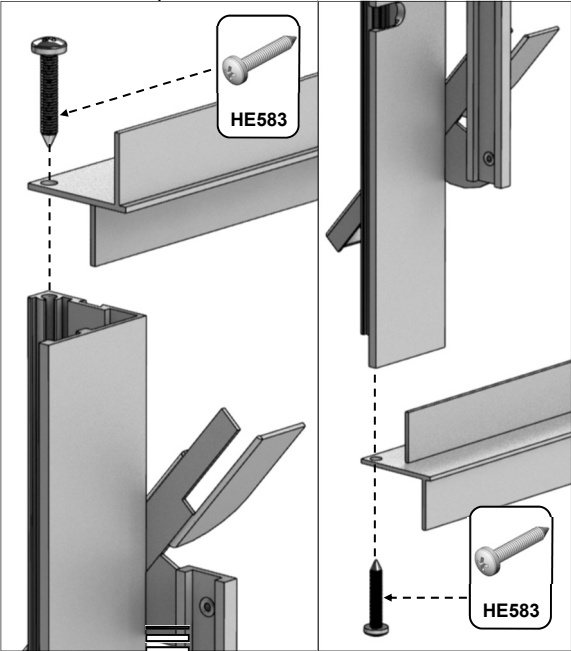


X
8

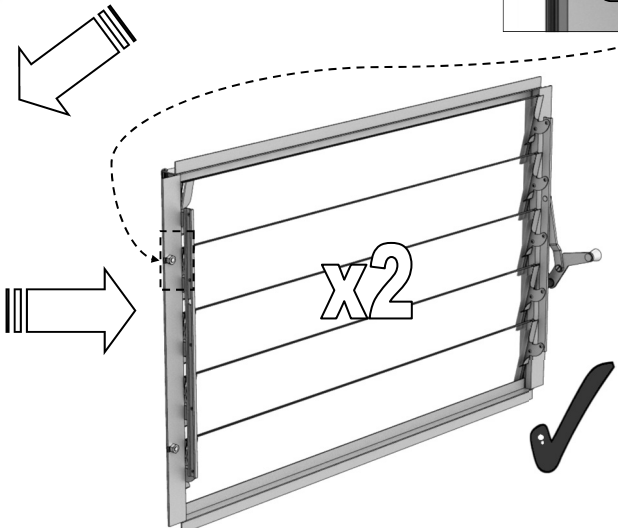
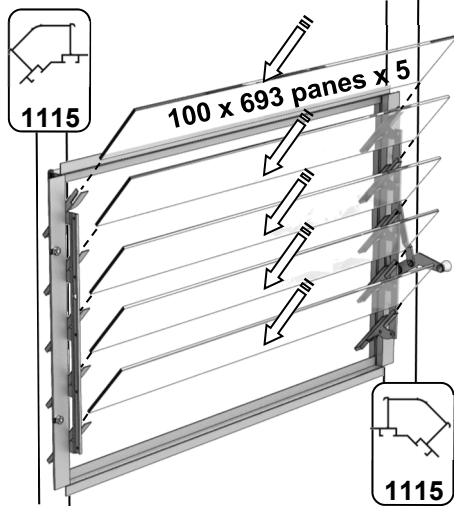
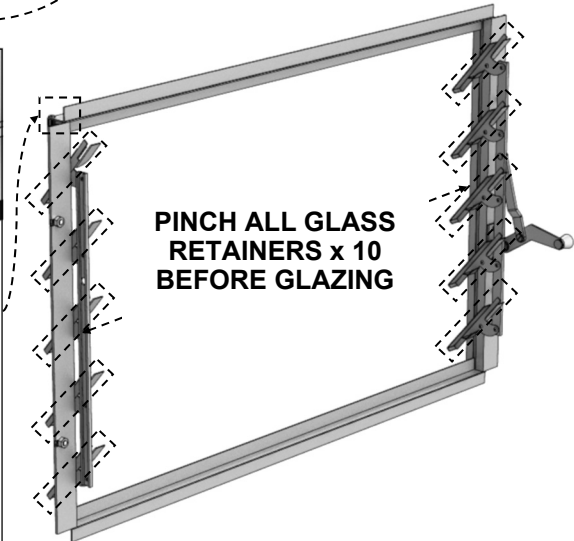
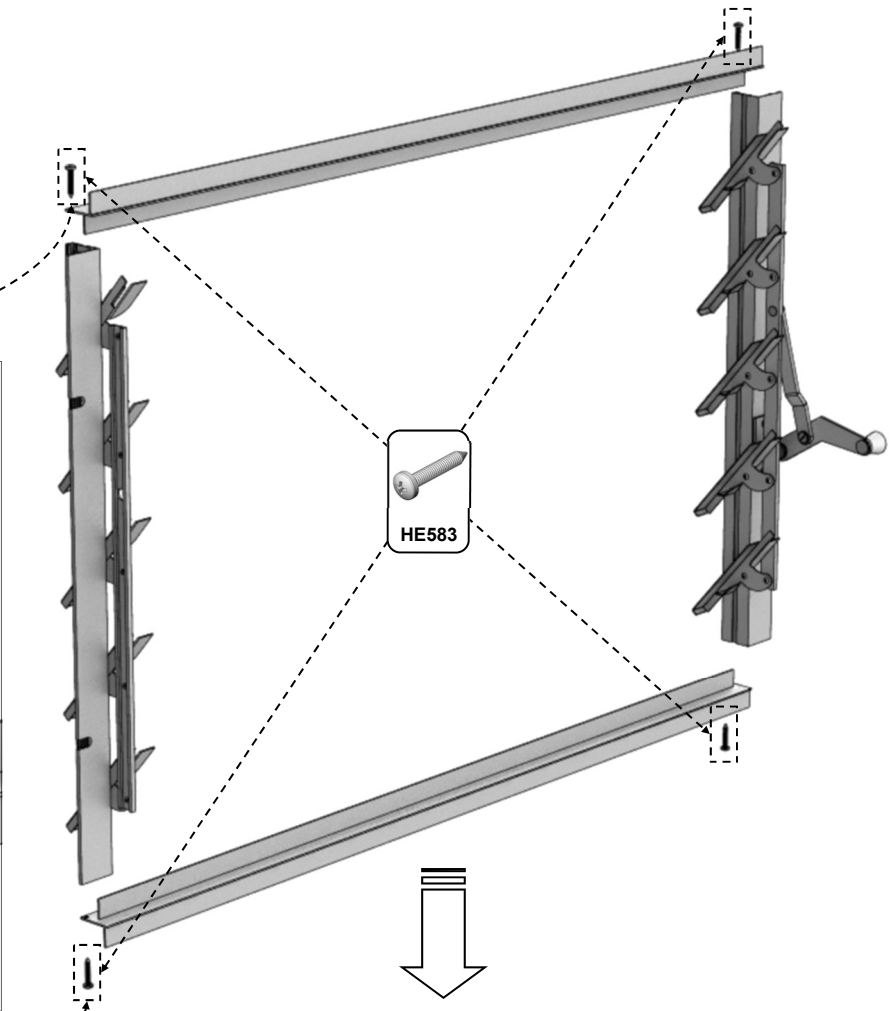
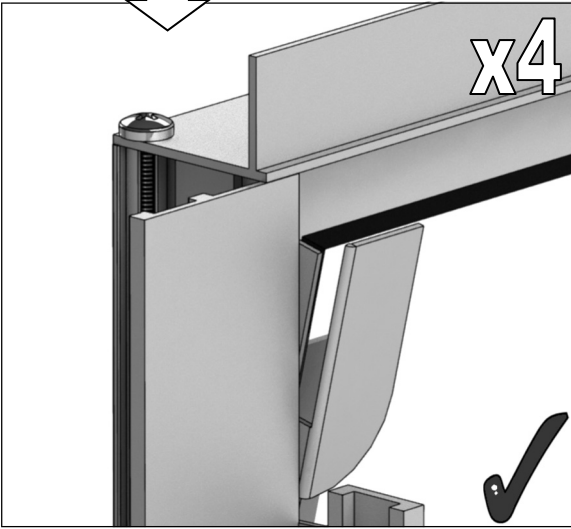
4

5

Part No	HE583	SYBOL M6X11 CROP	SYNUT M6
Detail			
Length 'mm'	19	11	N/A
Quantity	4	4	4



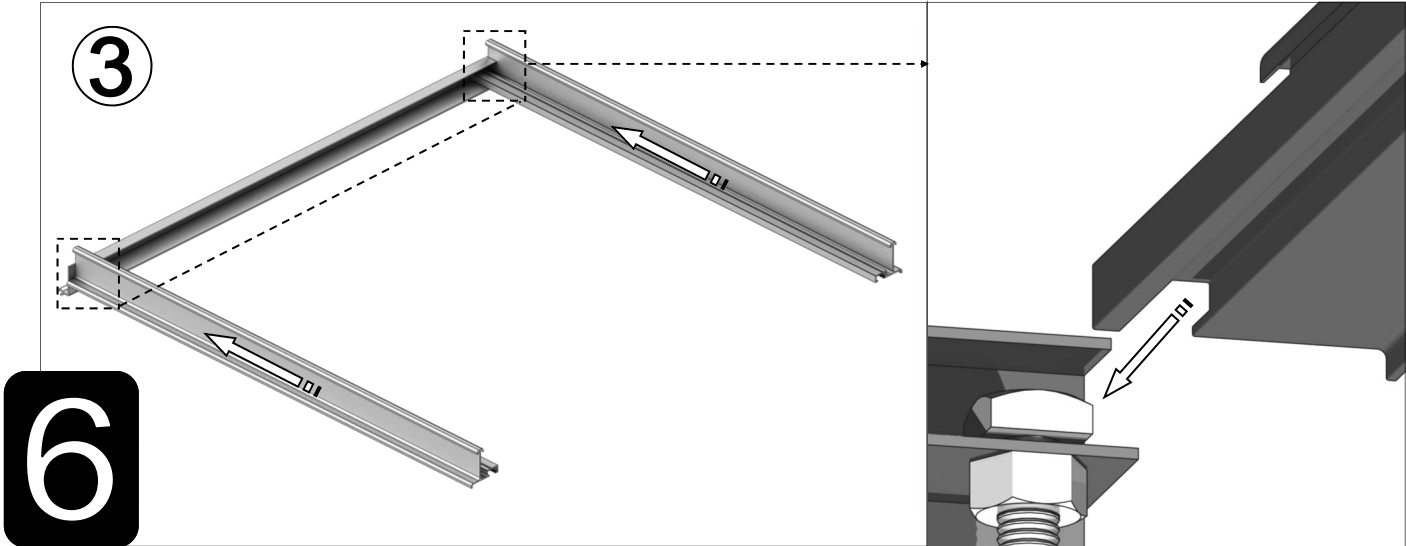
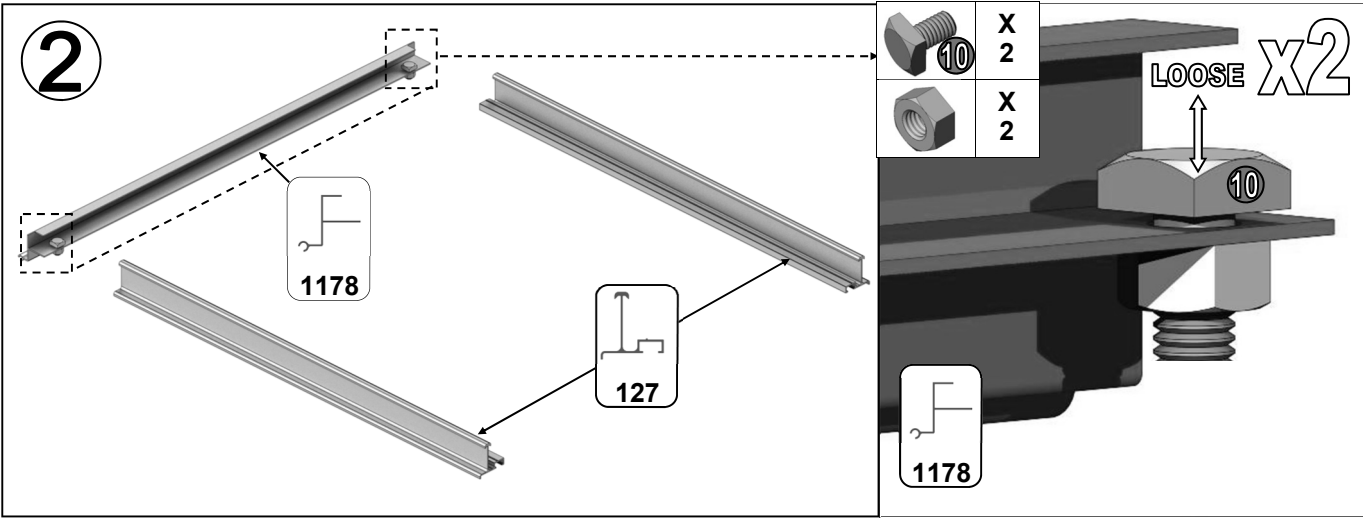
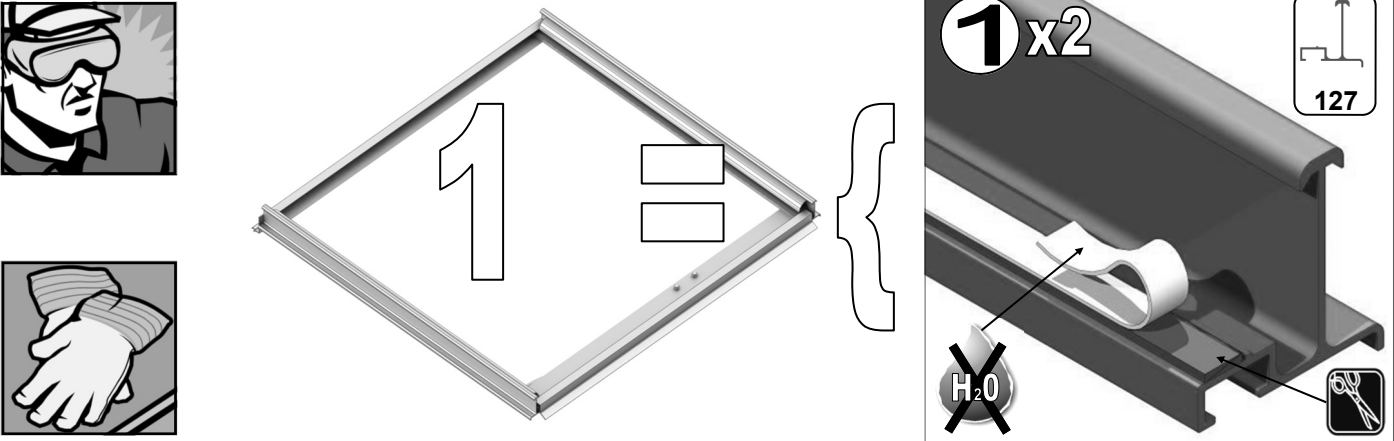
e.g.

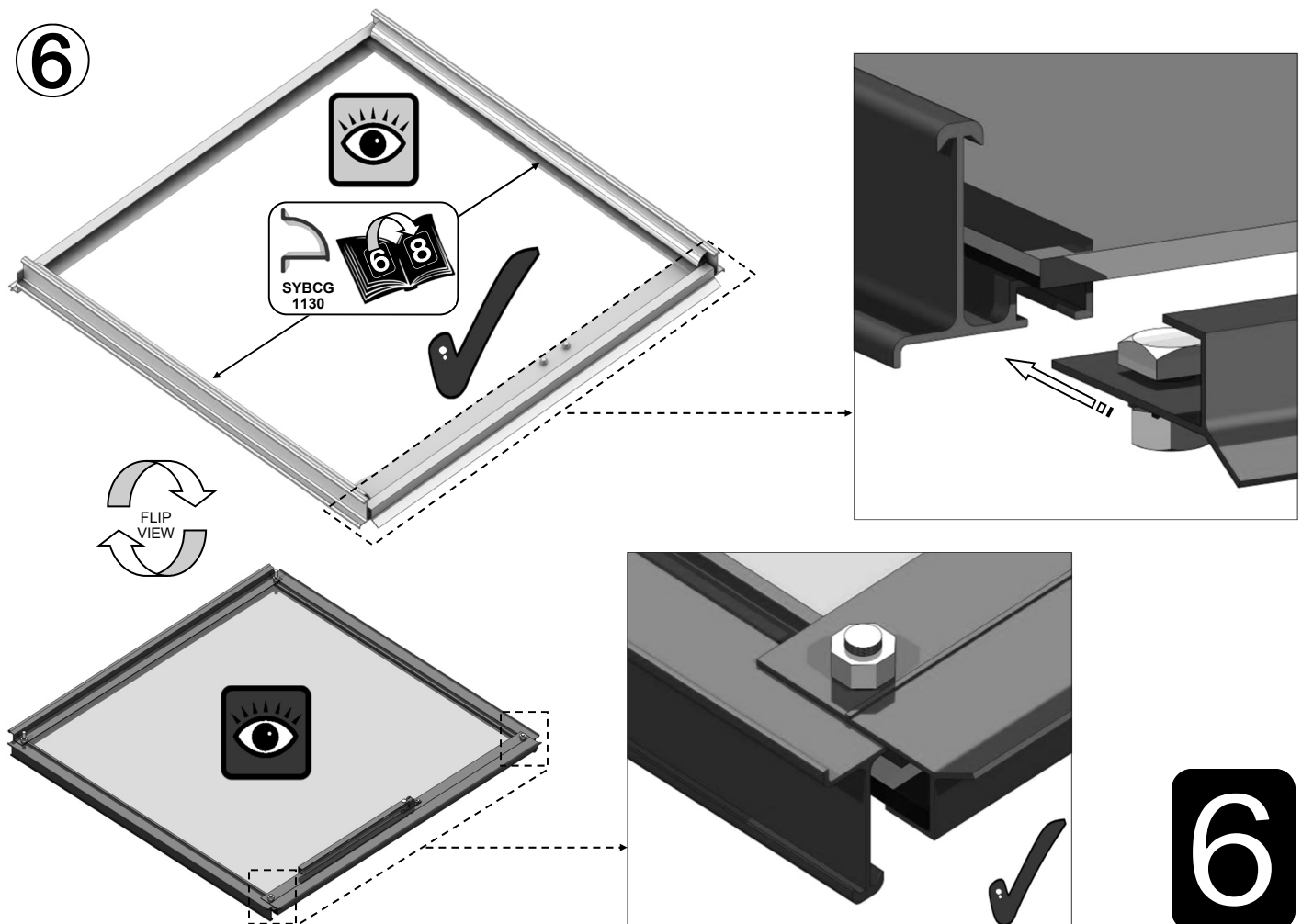
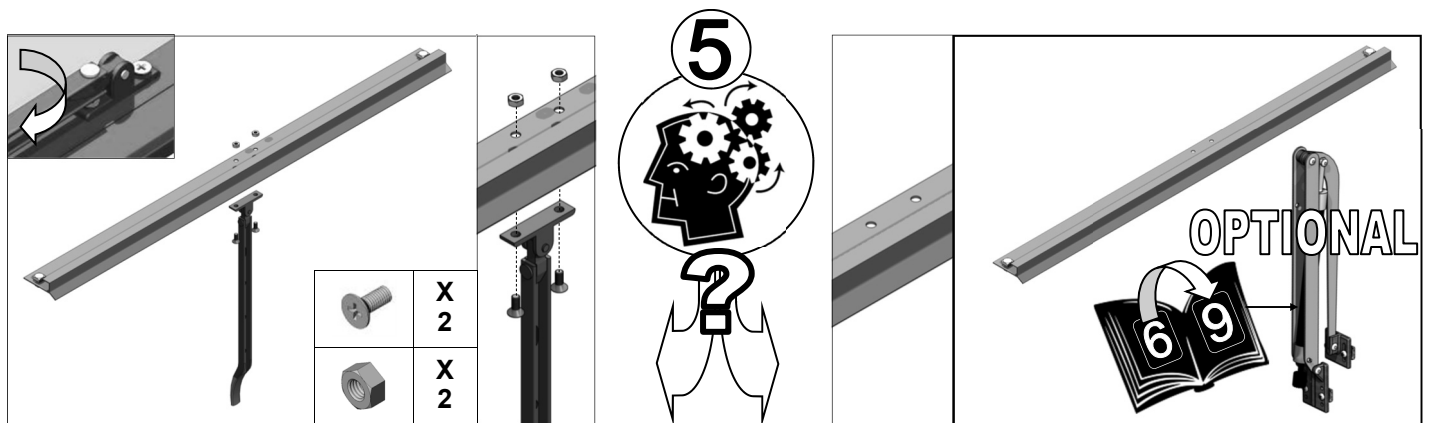
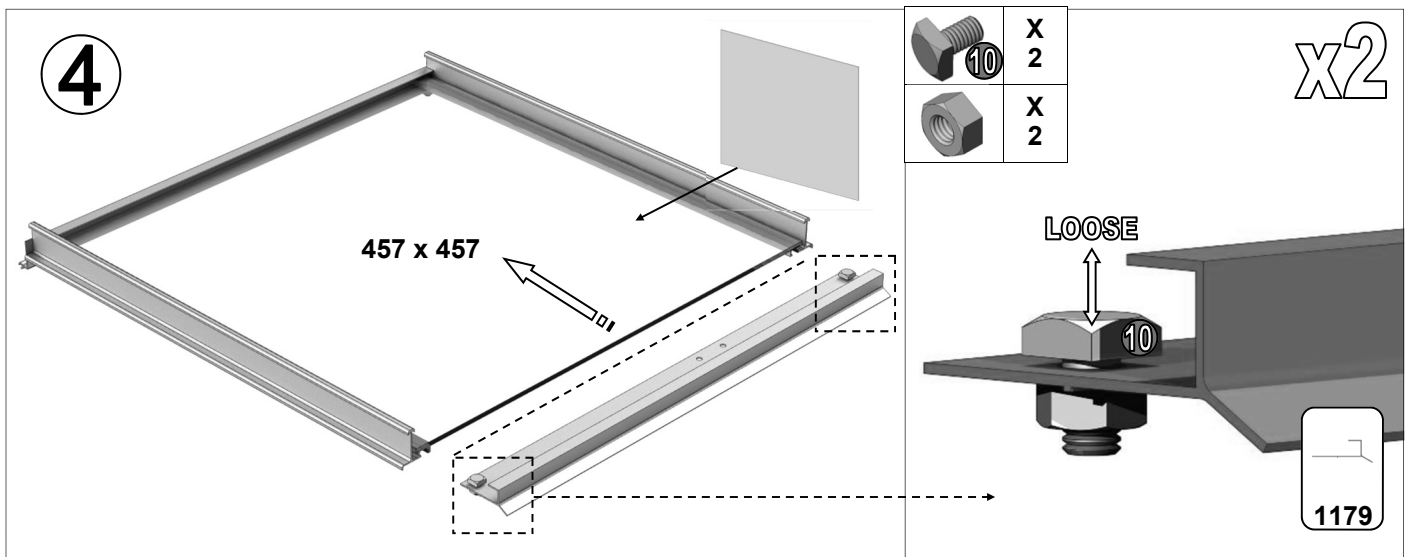


5

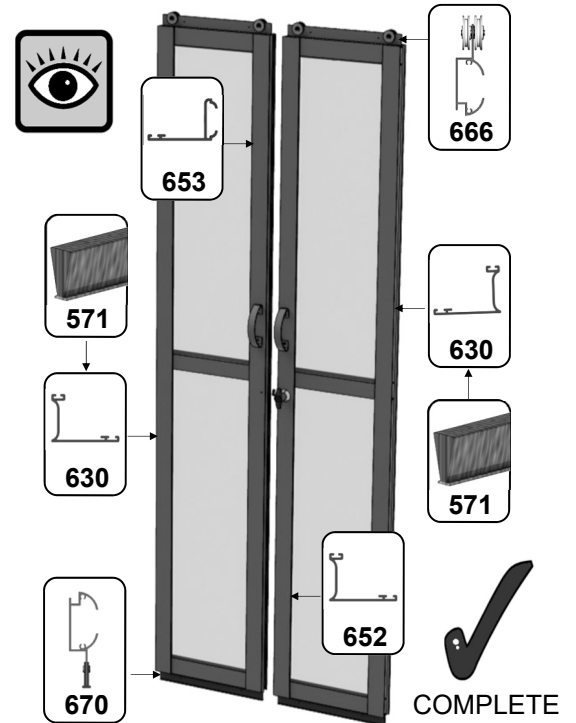
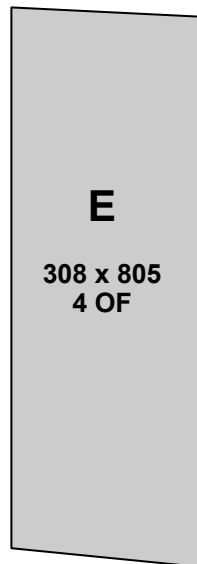
6	Part No / Pane	SY 127	SY 1178	SY 1179	SYBOL M6X11	SYNUT M6	SYBOL M4X10	SYNUT M4	SY STAY	SY FOAM	457 x 457
	Detail										
	Length 'mm'	457	482	456	10	N/A	10	N/A	N/A	FOAM CUT TO 457	
	Quantity	2	1	1	4	4	2	2	1	2	

Note: If **22mm bolts** have been supplied in your vent smalls pack they are redundant on this model.



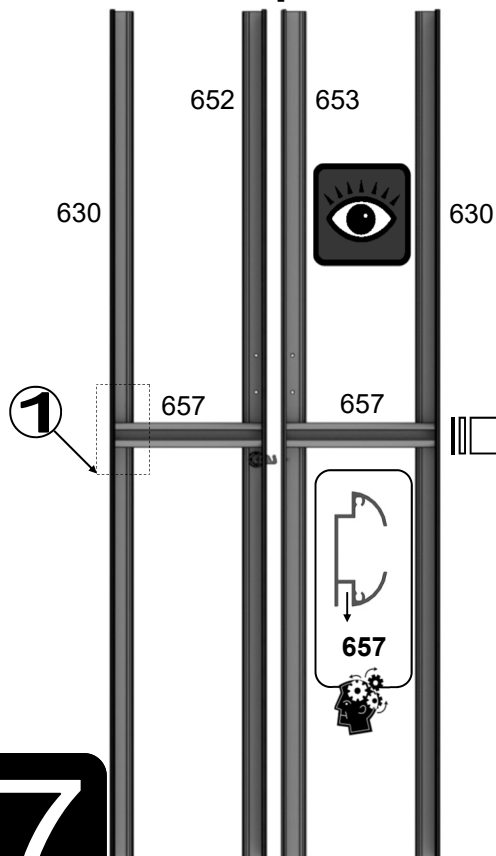


7	Part No	SY630	SY652	SY653	SY657	SY666	SY670	HE384	SY629 (PLASTIC)	HE571 (FLUFF)	HE583	SYBOL M6X11	SYNUT M6
	Detail												
	Length 'mm'	1730	1730	1730	365	365	365	112	795	3800	19	10	N/A
	Quantity	2	1	1	2	2	2	2	8	1	24	4	4

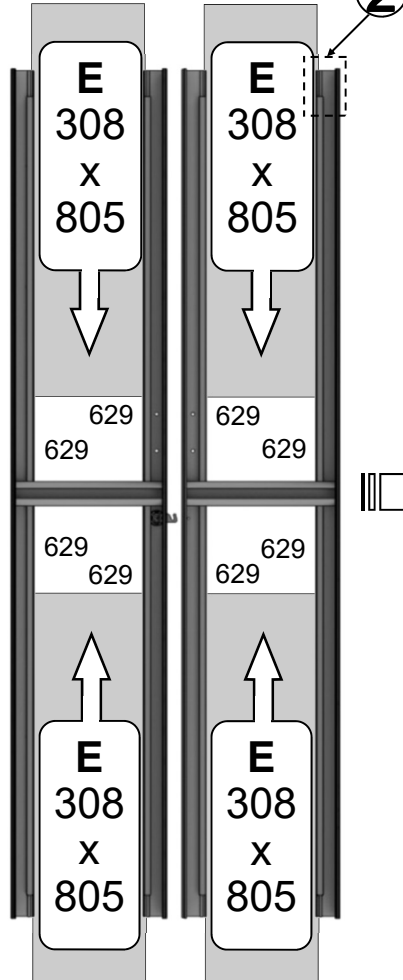


START

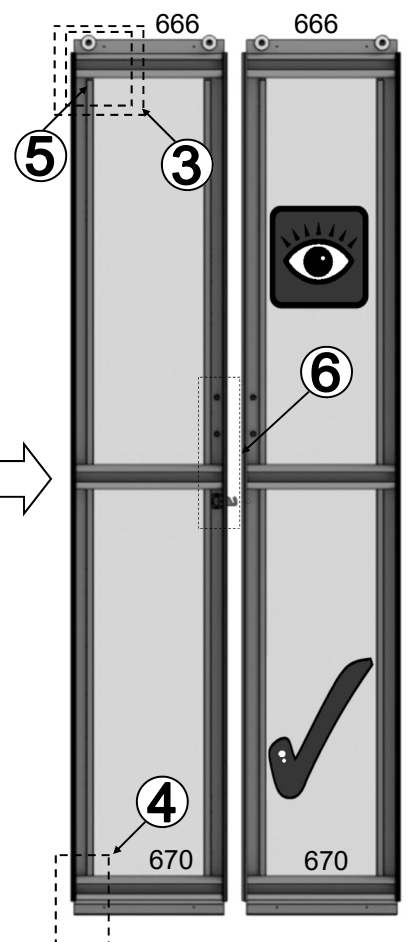
Tops

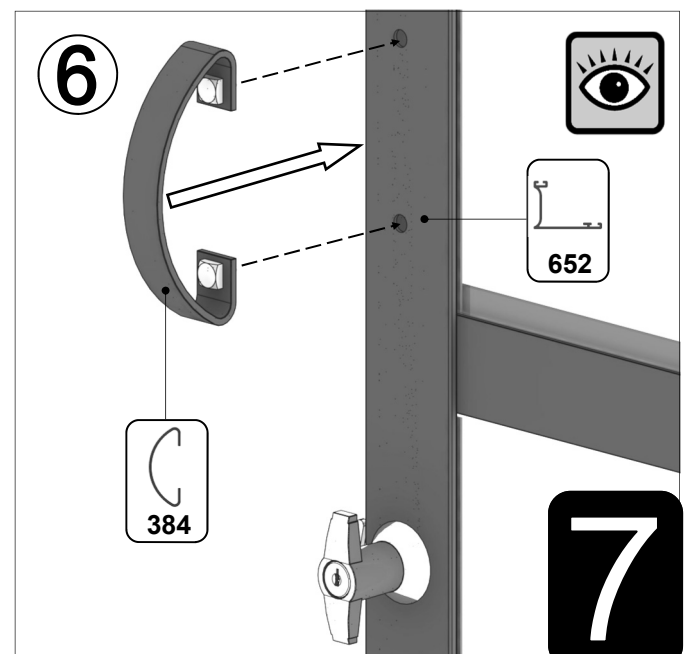
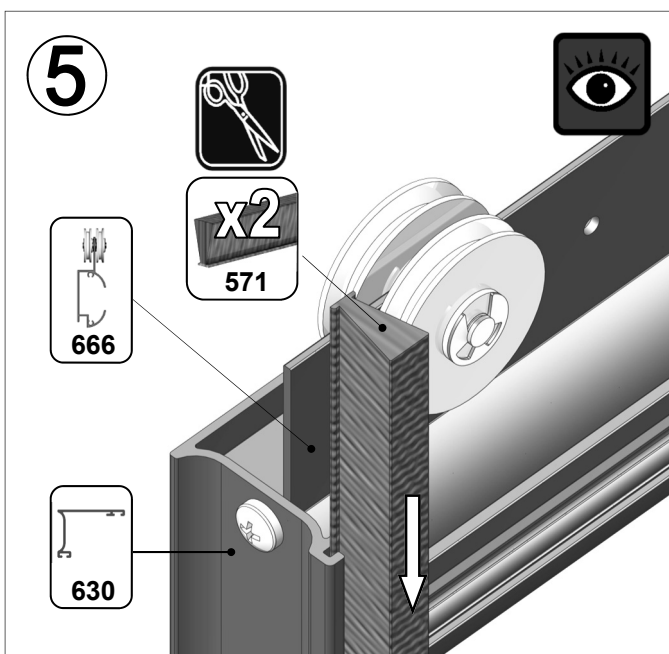
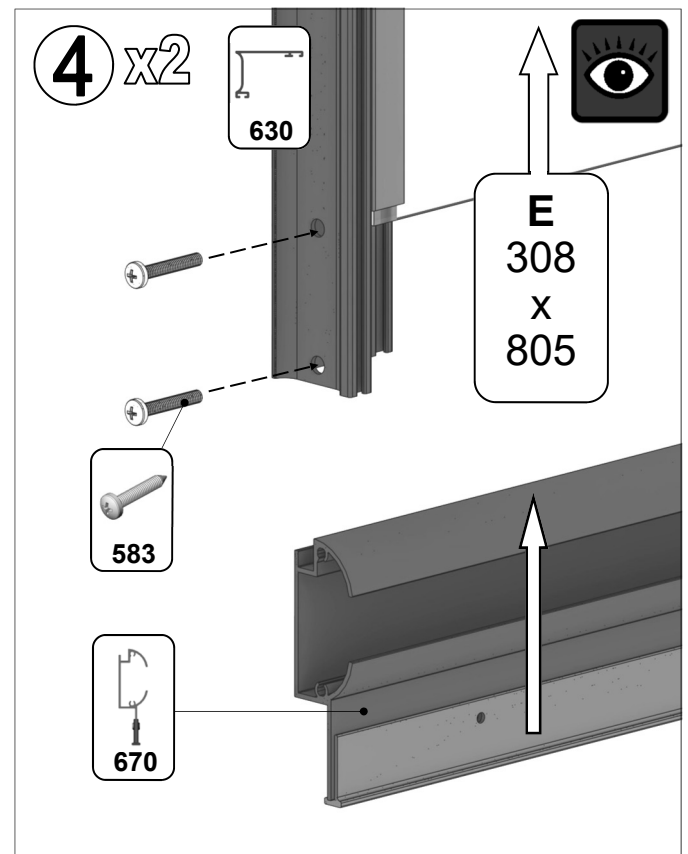
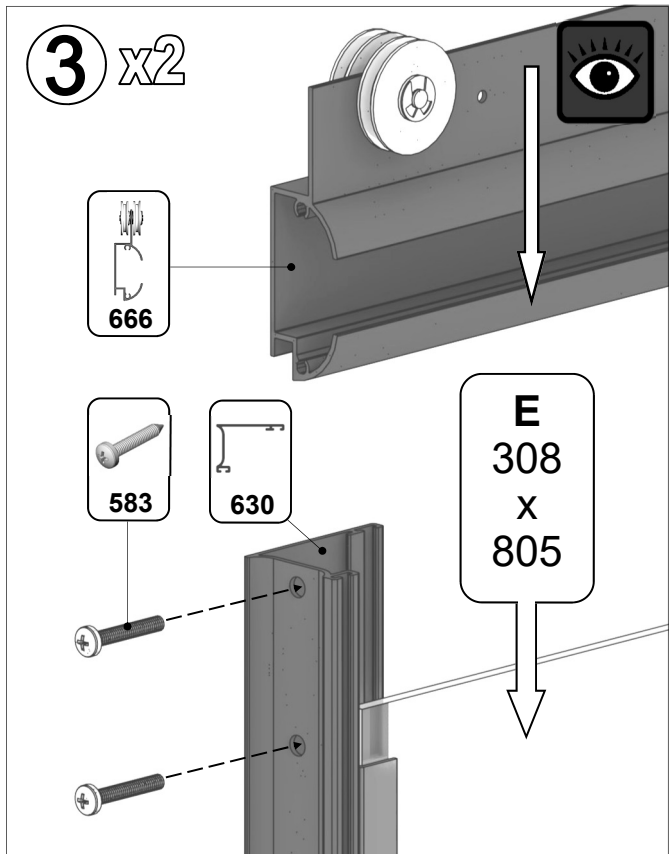
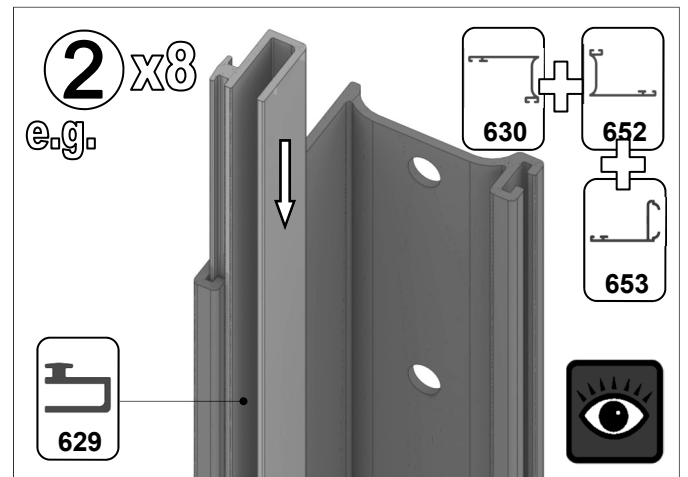
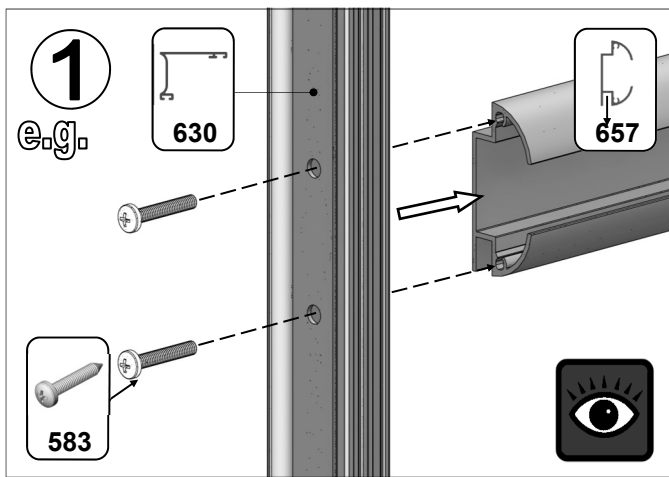


INSERT GLASS



FINISH

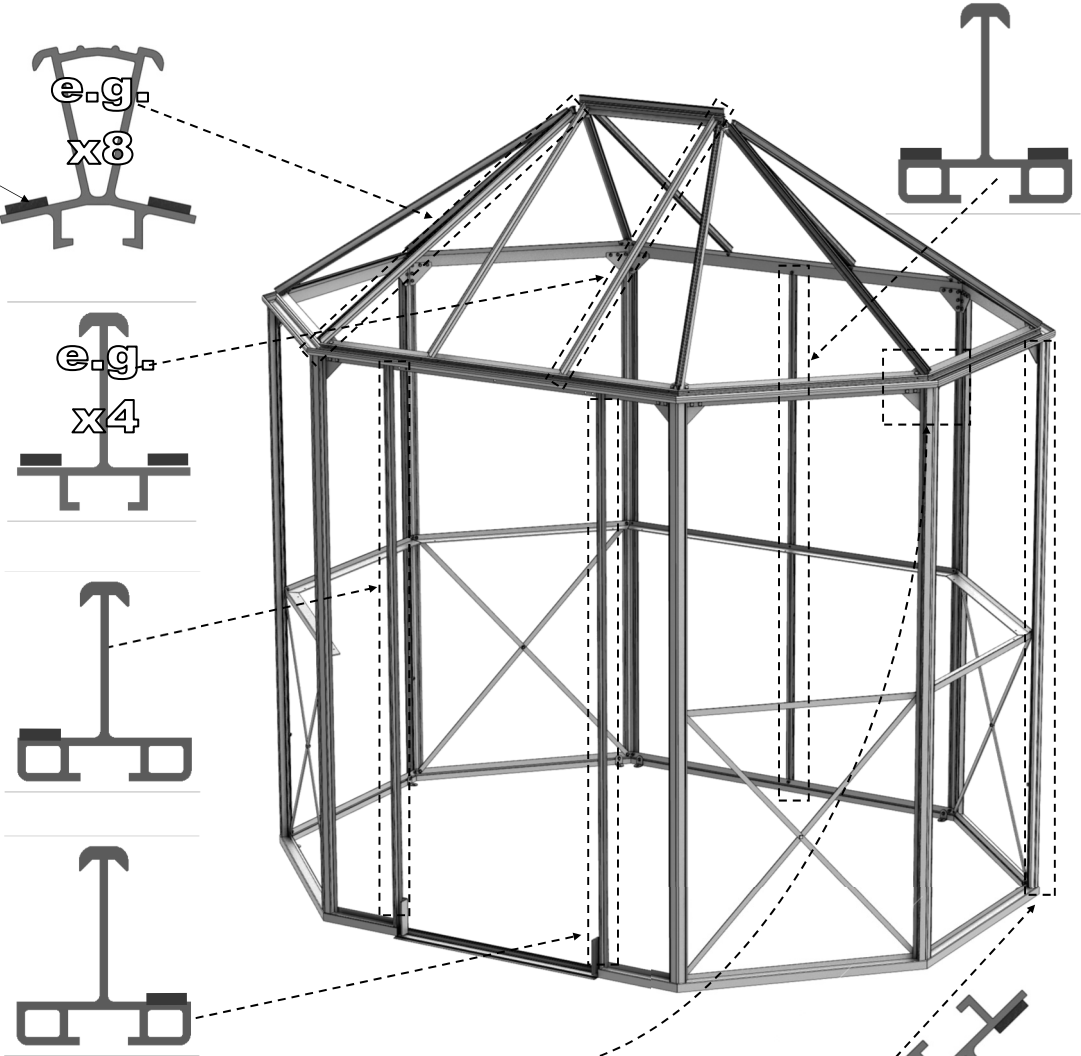




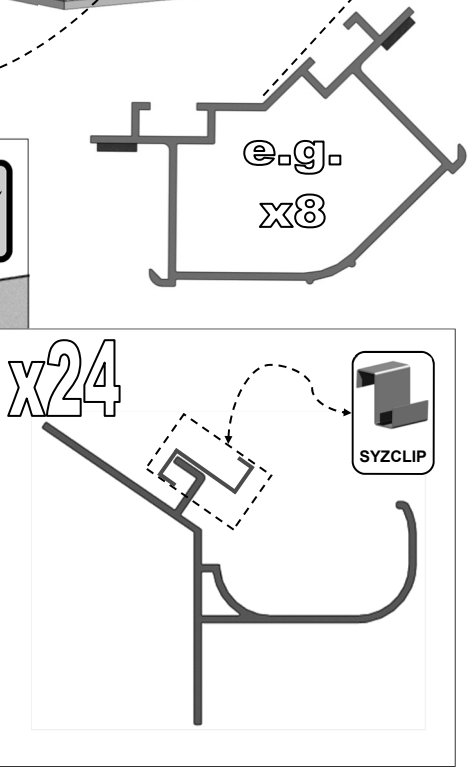
8	Part No / Pane	S	N	B	M	J	D	L	A	U	V	R (SY1117)	T (SY1166)
	Detail												
	Length 'mm'	730 x 1422	610 x 1422	730 x 377	610 x 377	240 x 1800	308 x 805	693 x 100	730 x 976	457 x 680	457 x 457	SEE DIAG.	SEE DIAG.
	Quantity	4	2	6	2	2	4	10	2	2	2	6	4

The adhesive foam (SYFOAM) goes longitudinally over the greenhouse frame, see examples to the right. It never goes horizontally, the glass just sits directly onto the aluminium cills in the sides.

Remove the white paper on the foam before it gets wet as it is difficult to remove, i.e. it comes off in small pieces.

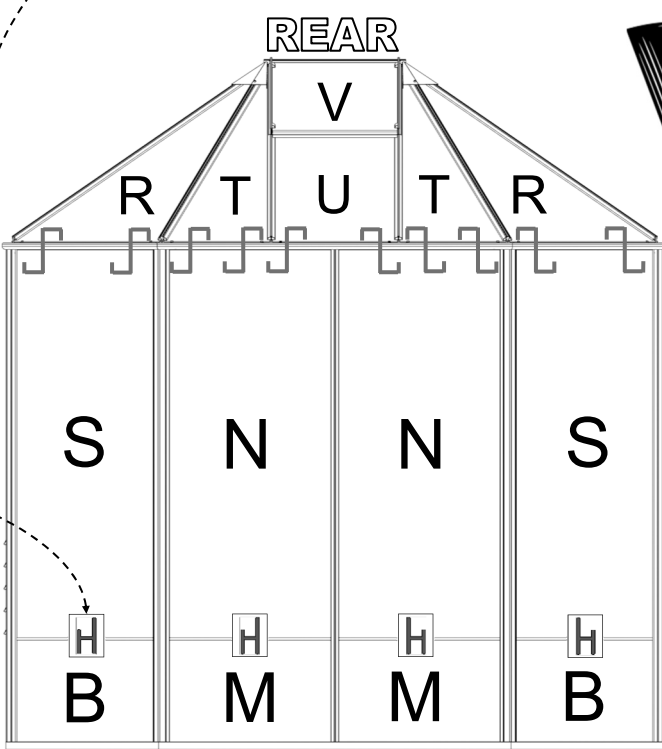
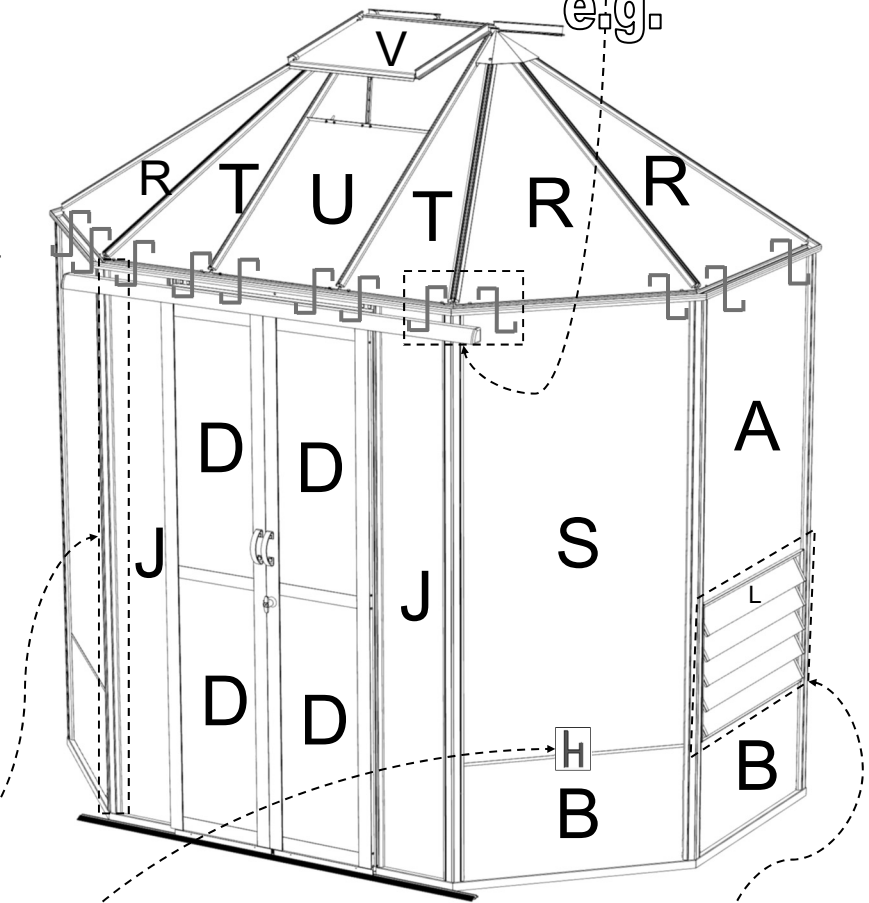
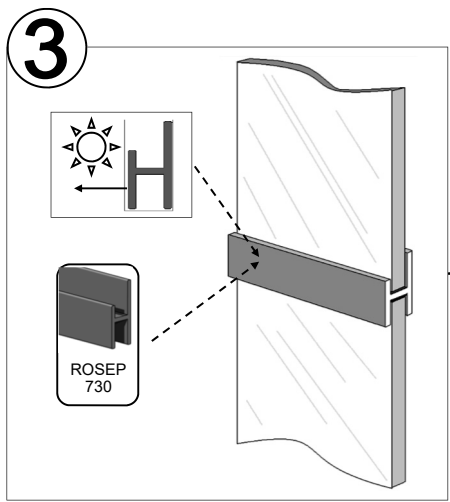
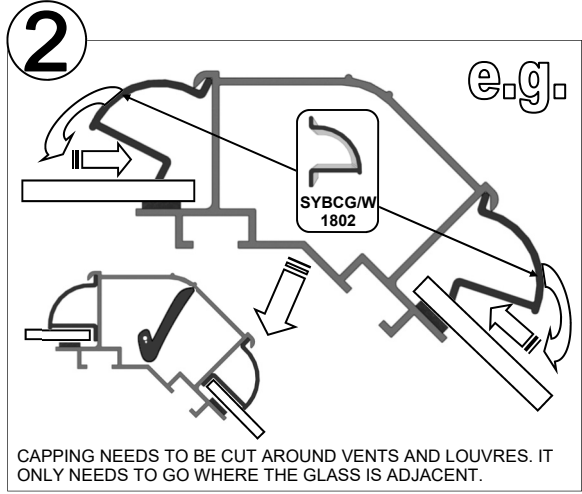
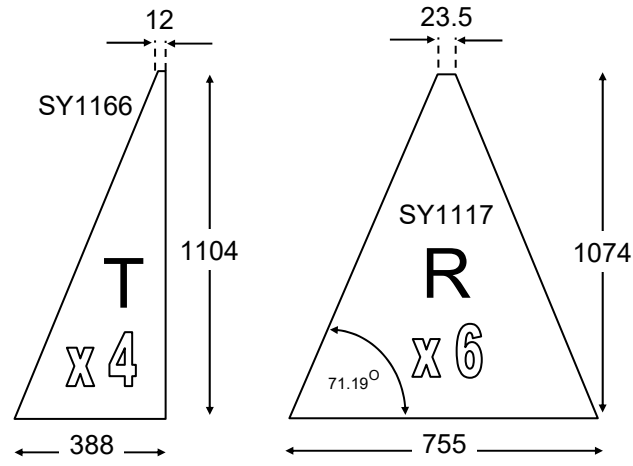
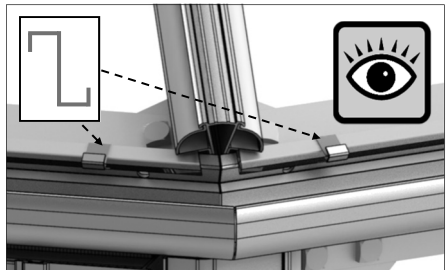


'Z' SHAPED CLIPS X 2 SUPPORT THE BOTTOM OF EACH ROOF SHEET 'R'

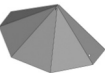


SYBCG /W1802	SYBCG /W1130	SYZ CLIP	ROSE P730	RO SEPS	SY FOAM
					
1802	1130	n/a	730	610	15000
20	24	24	4	2	5

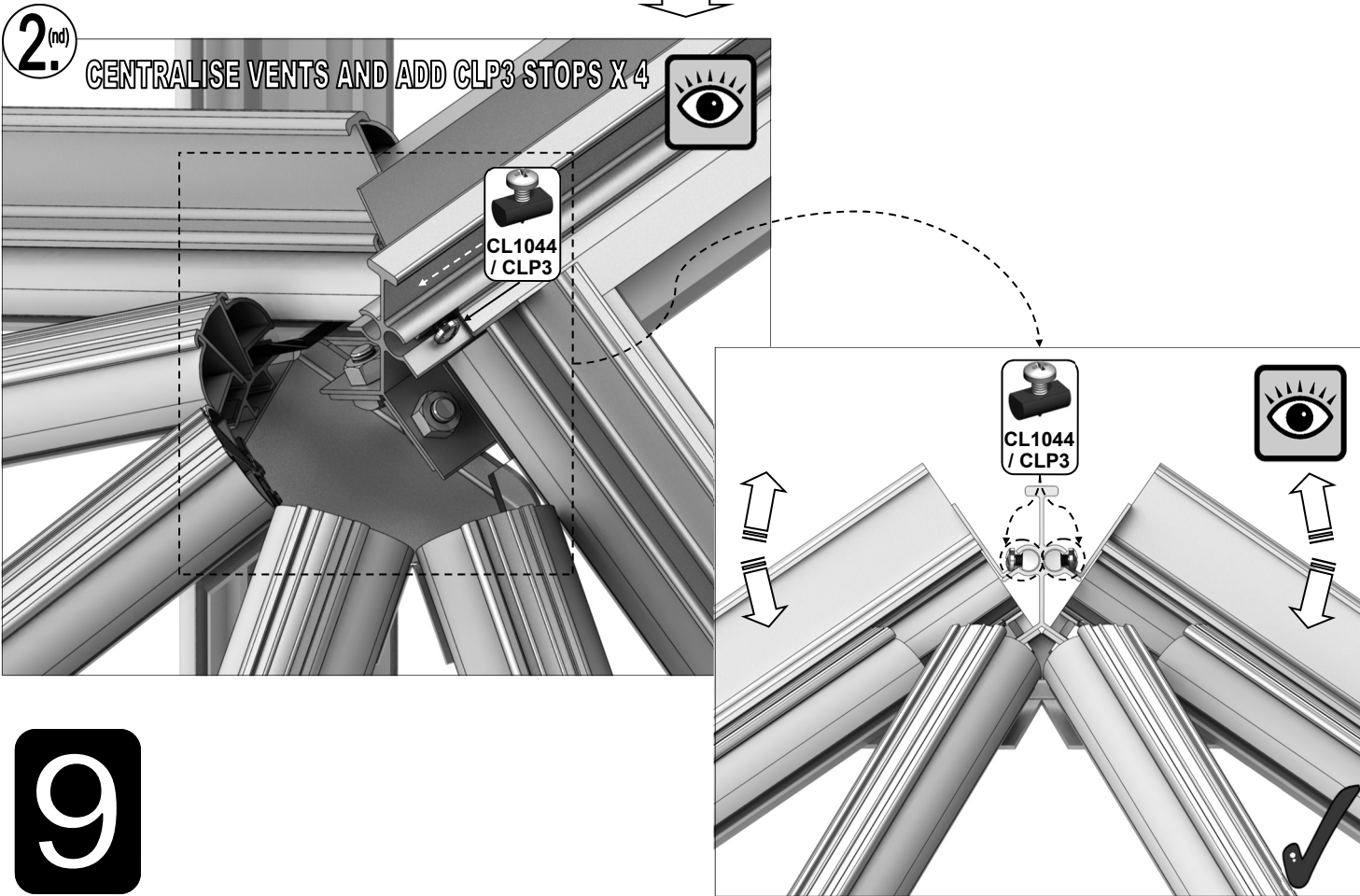
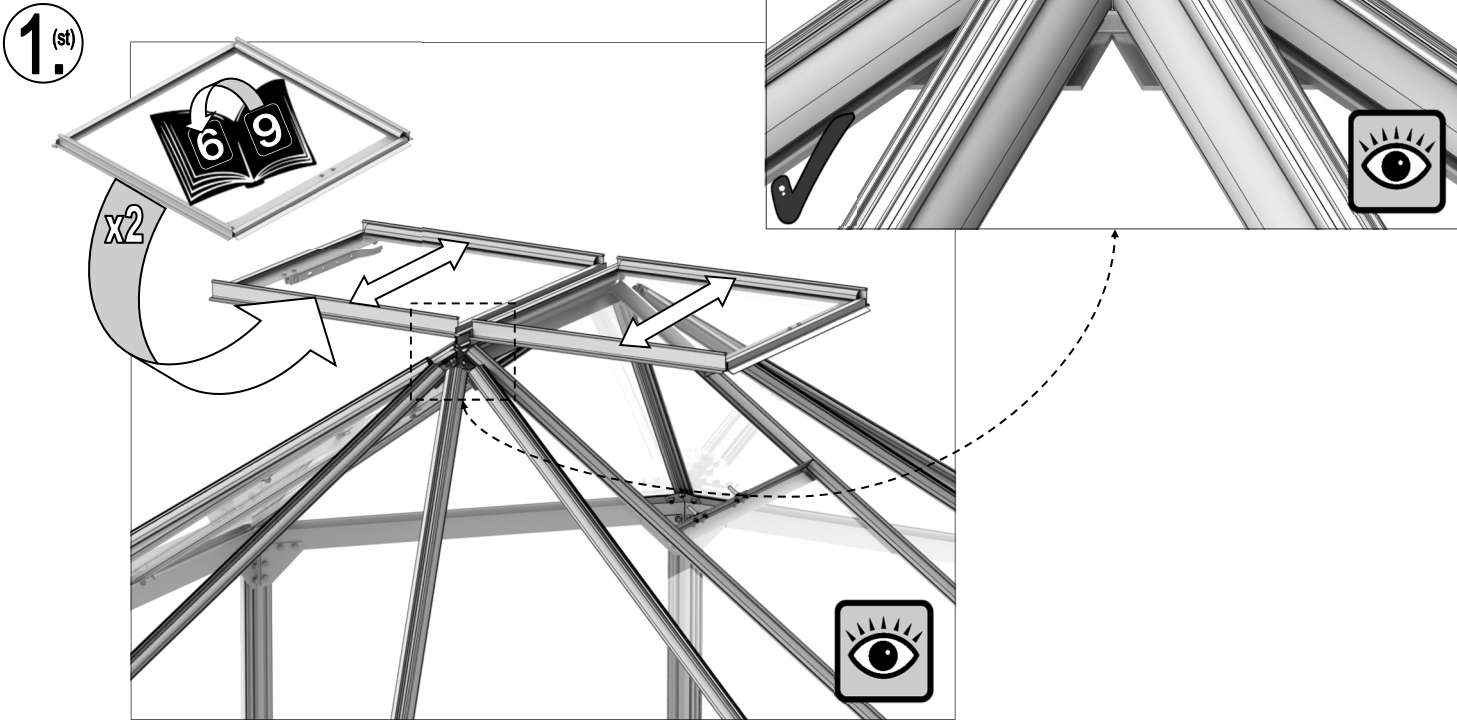
68 OCT TOUGHENED GLASS



8

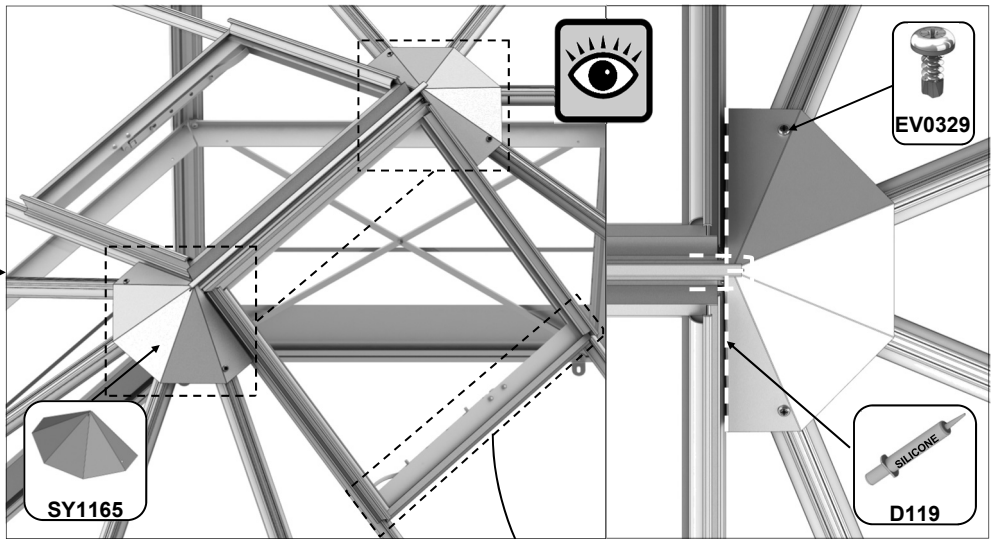
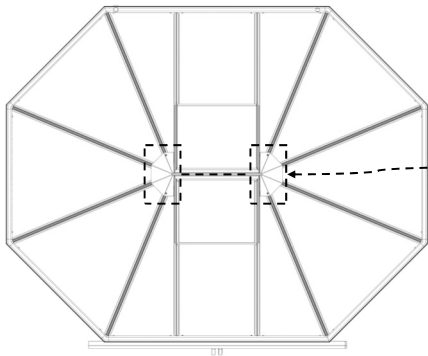
9	Part No	CL1044 / CLP3	SY1165	EV0329	D119
	Detail				
	Length 'mm'	N/A	N/A	12	N/A
	Quantity	4 + 4	2	4	1

SLIDE VENTS INTO RIDGE FROM EITHER END

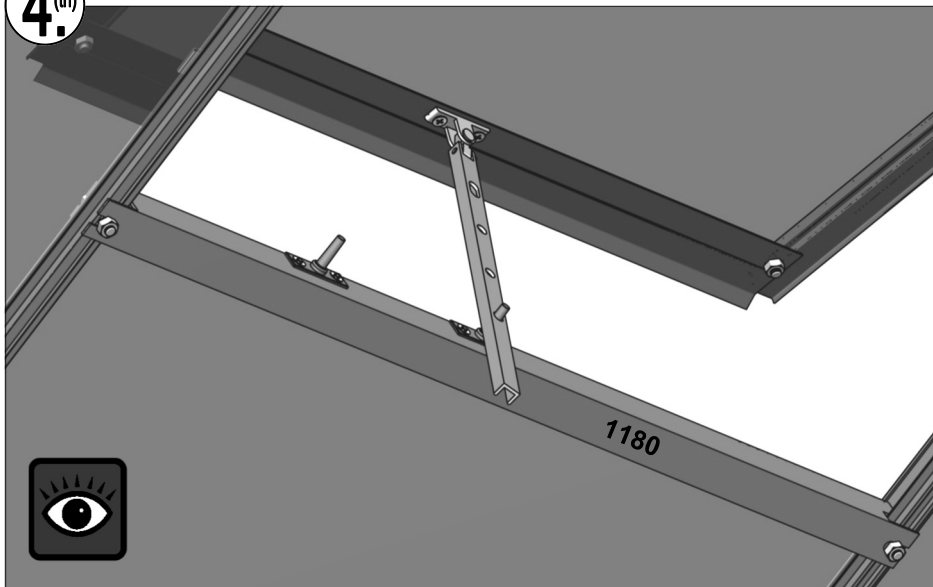


9

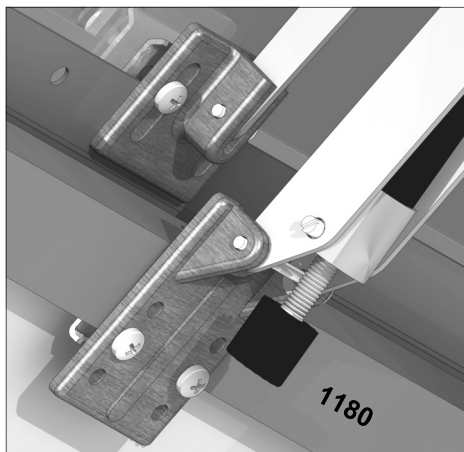
3.^(rd)



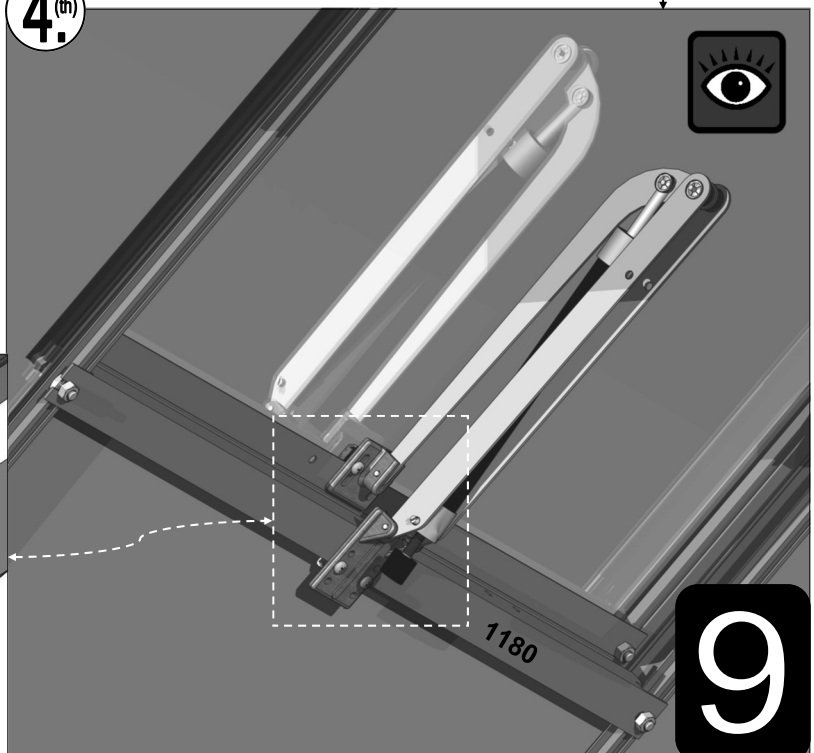
4.^(th)



OPTIONAL



4.^(th)

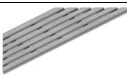


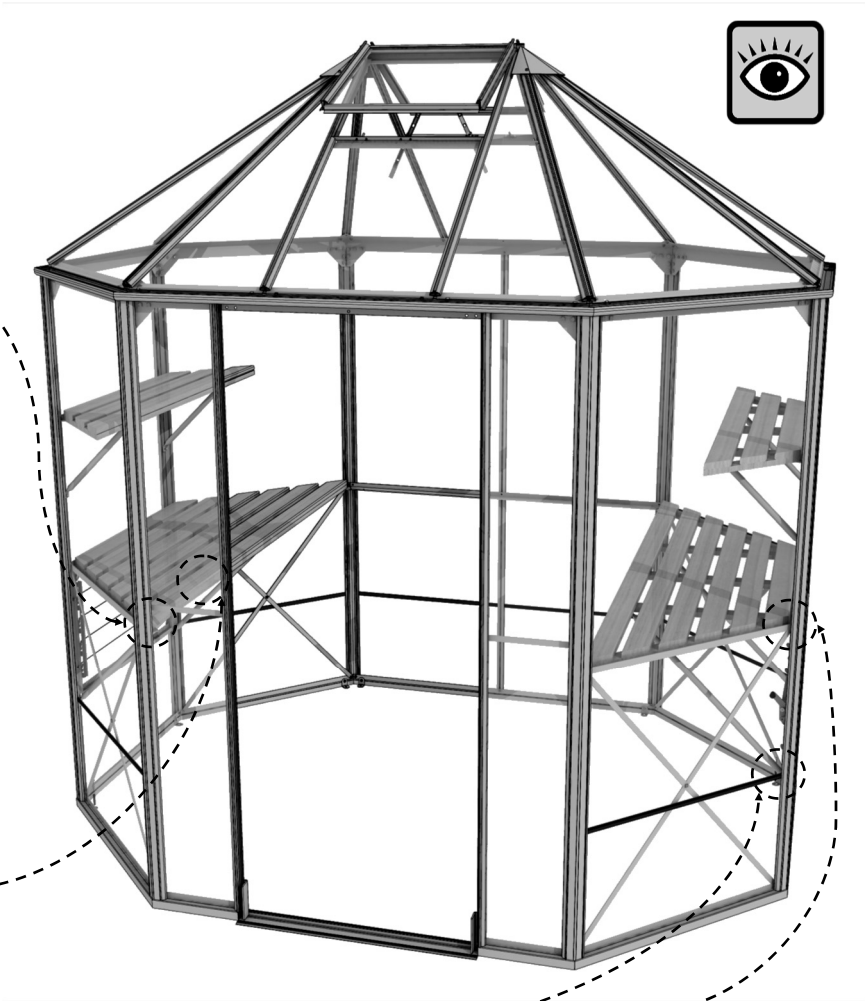
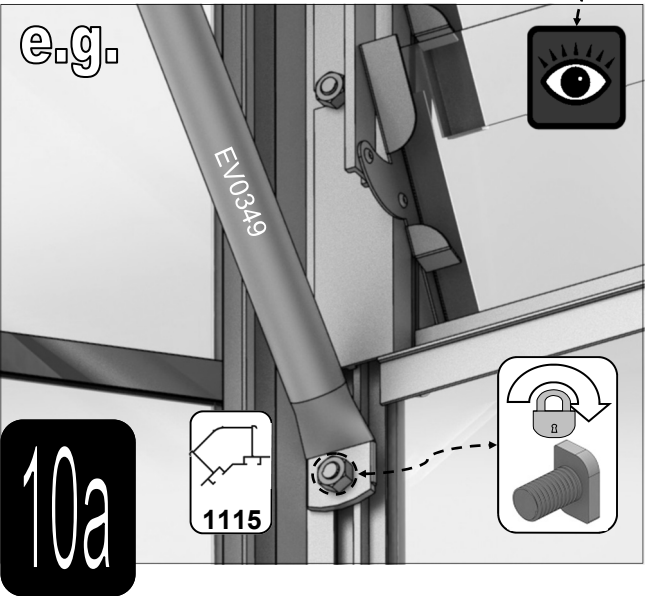
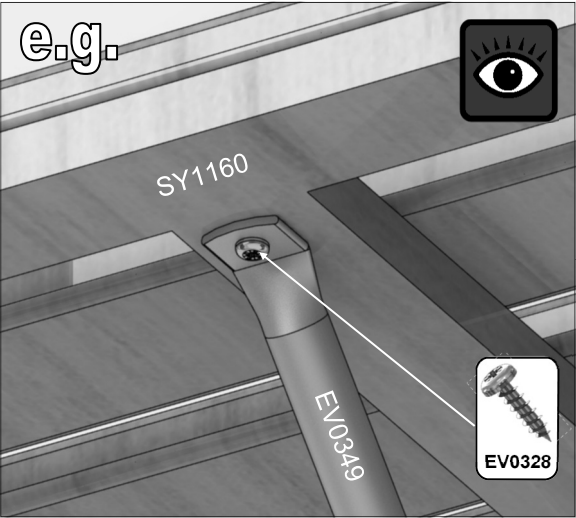
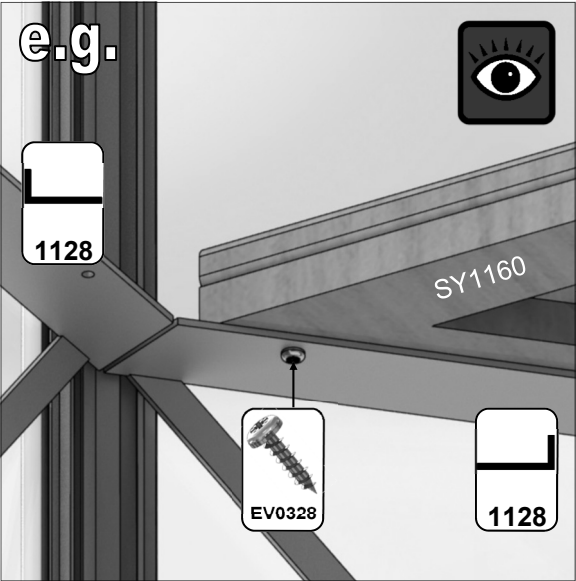
9

1179

1180

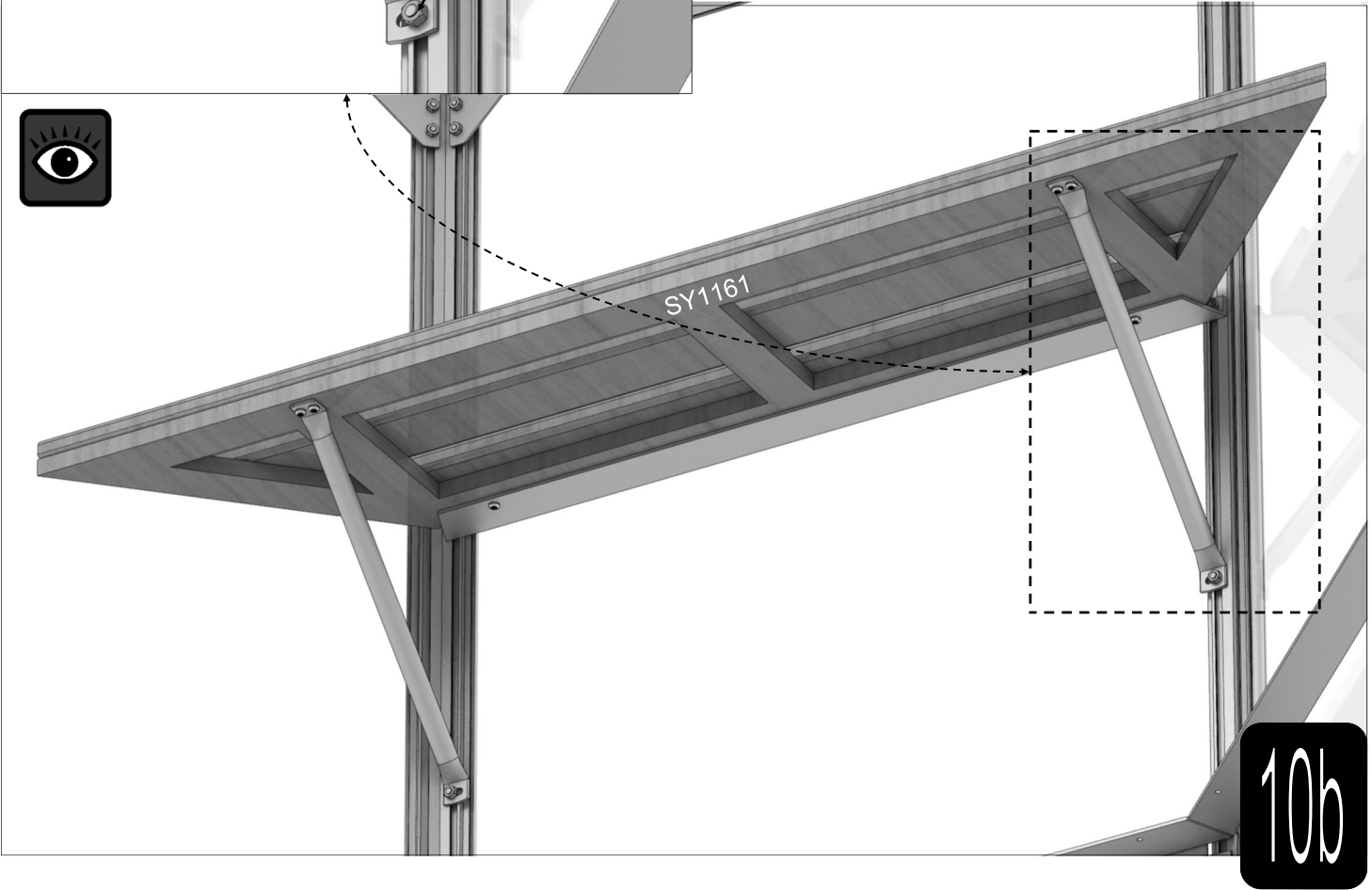
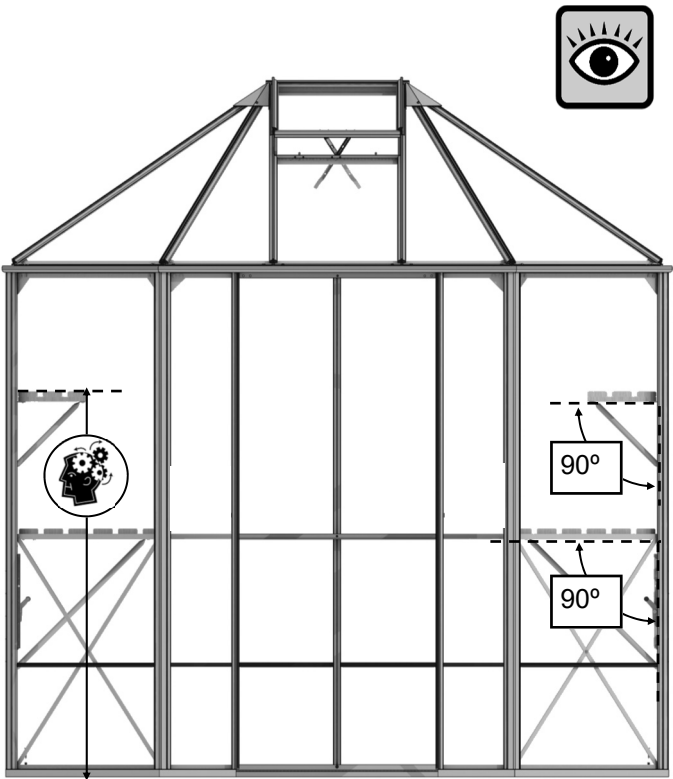
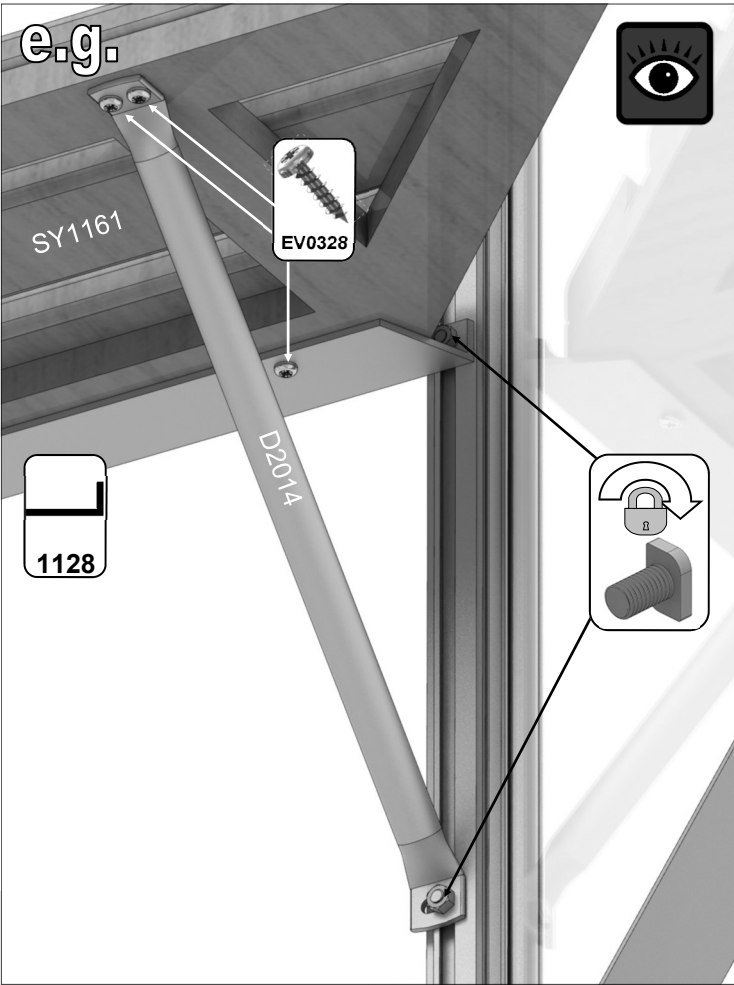
1180

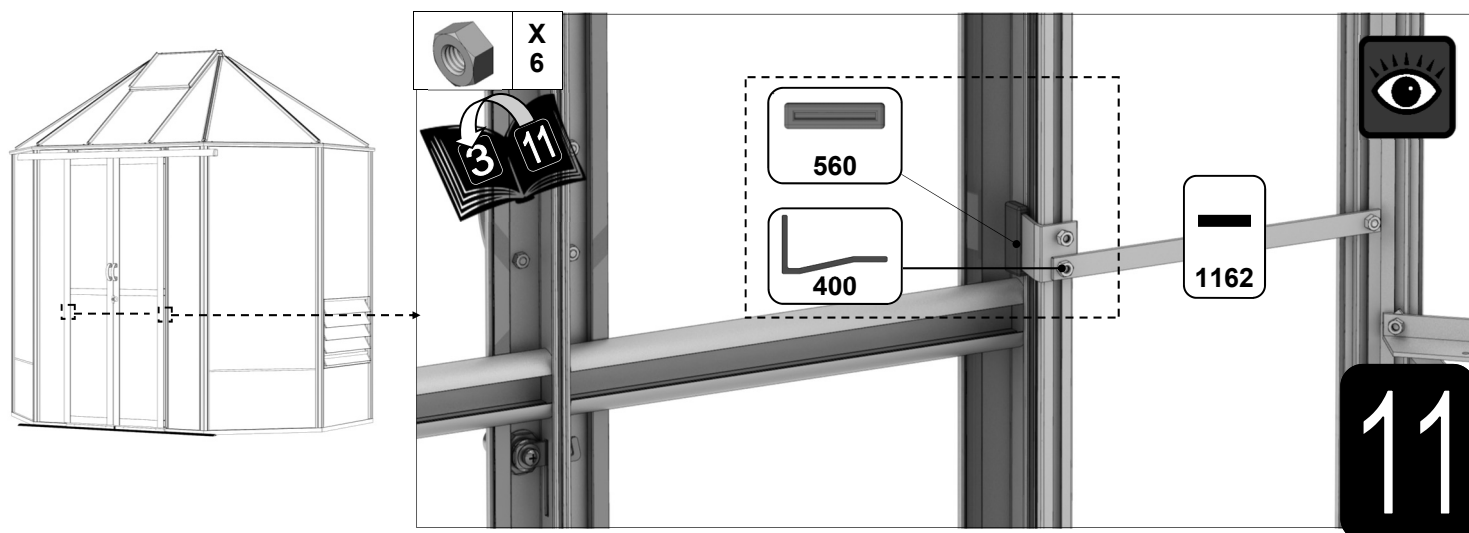
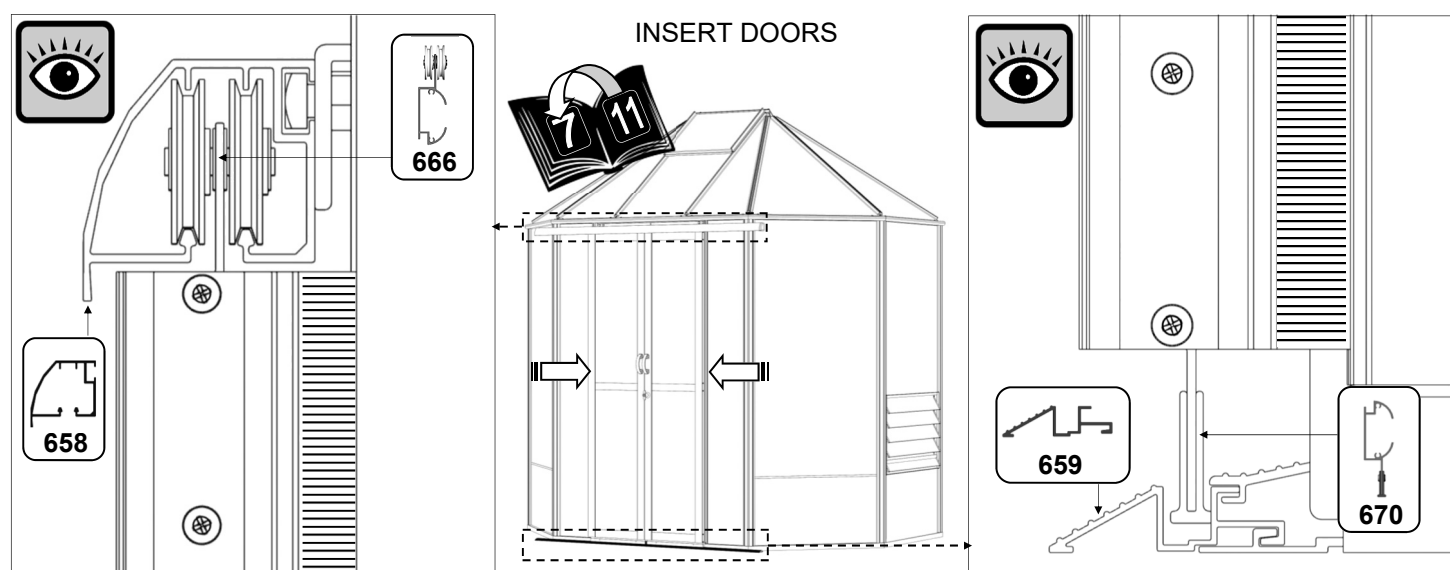
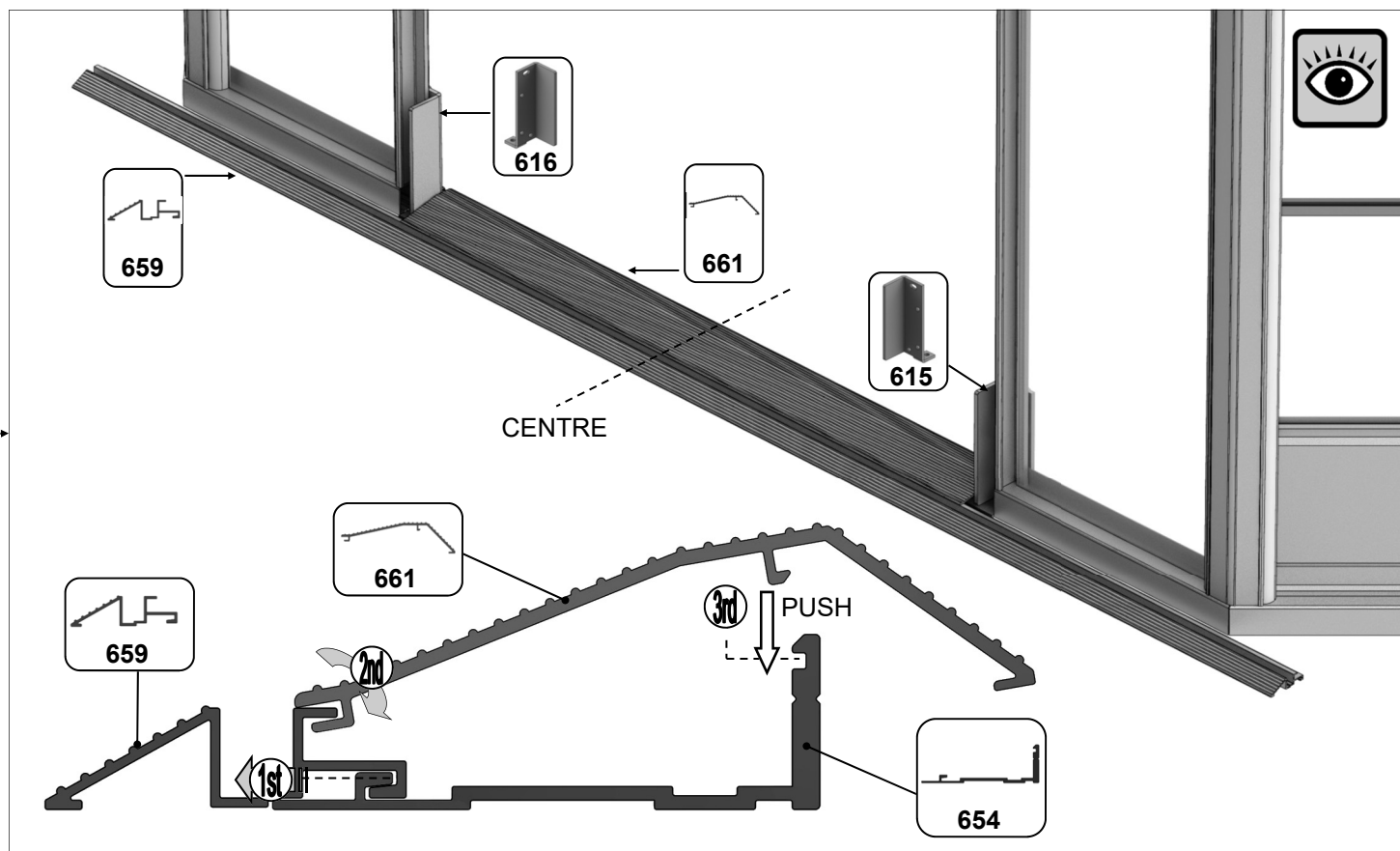
10a	Part No	SY1160	EV0349	EV0328	SYBOLM6 X11CROP	SYNUT M6
	Detail					
	Length 'mm'	1788	726	19	11	n/a
	Quantity	2	4	16	4	4



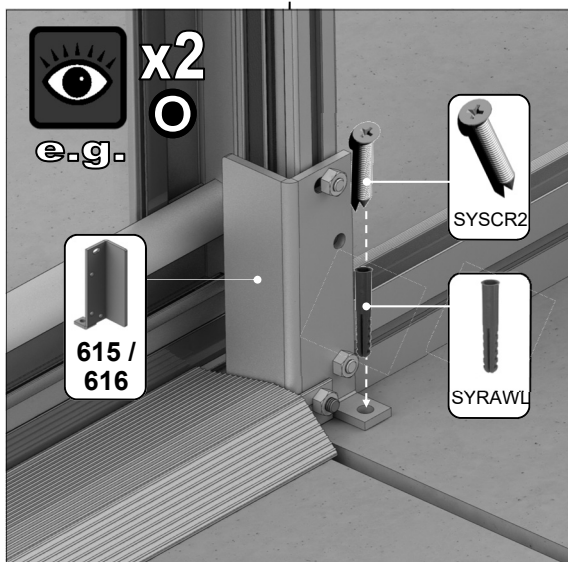
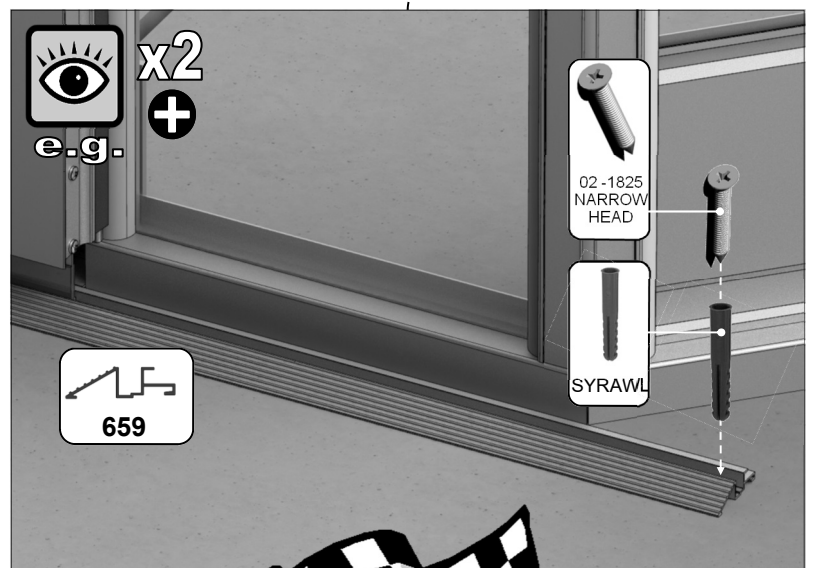
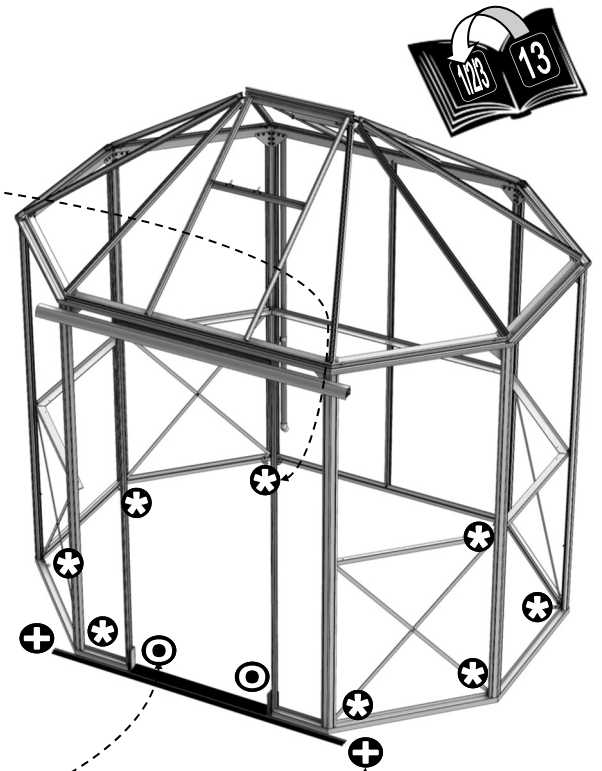
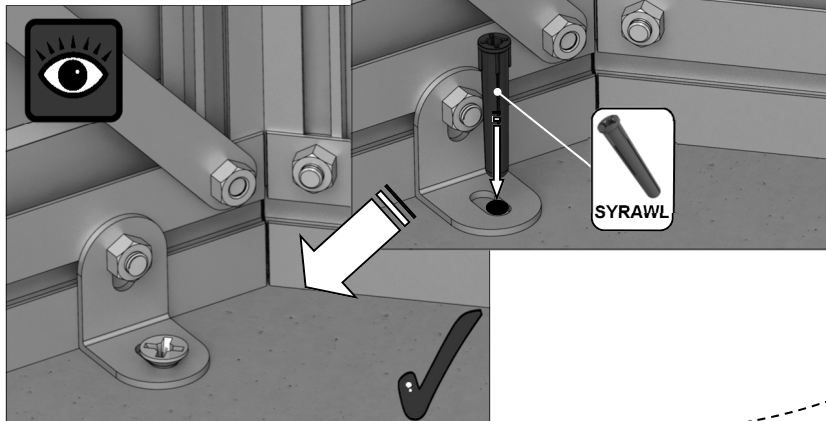
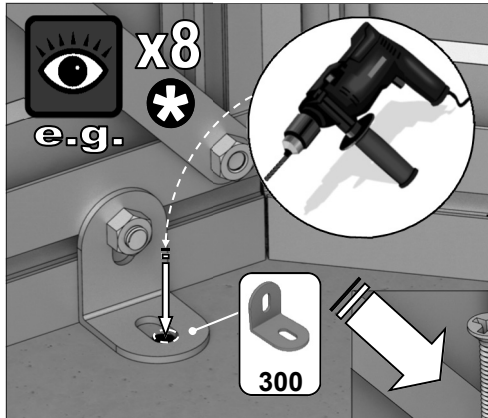
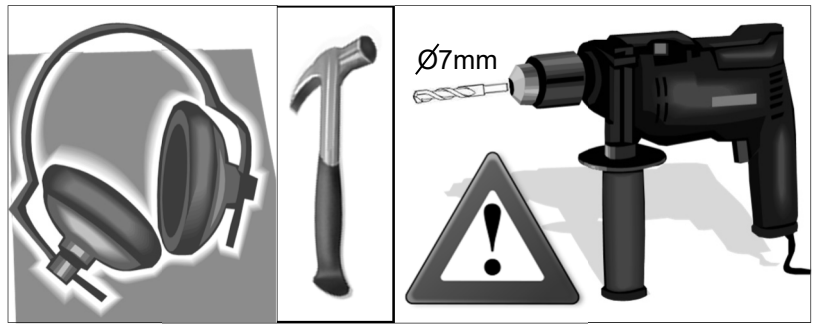
Part No	SY1161	SY1128	D2014	EV0328	SYBOLM6 X11CROP	SYNUT M6
Detail						
Length 'mm'	1248	762	385	19	11	n/a
Quantity	2	2	4	12	8	8

OPTIONAL SHELVING

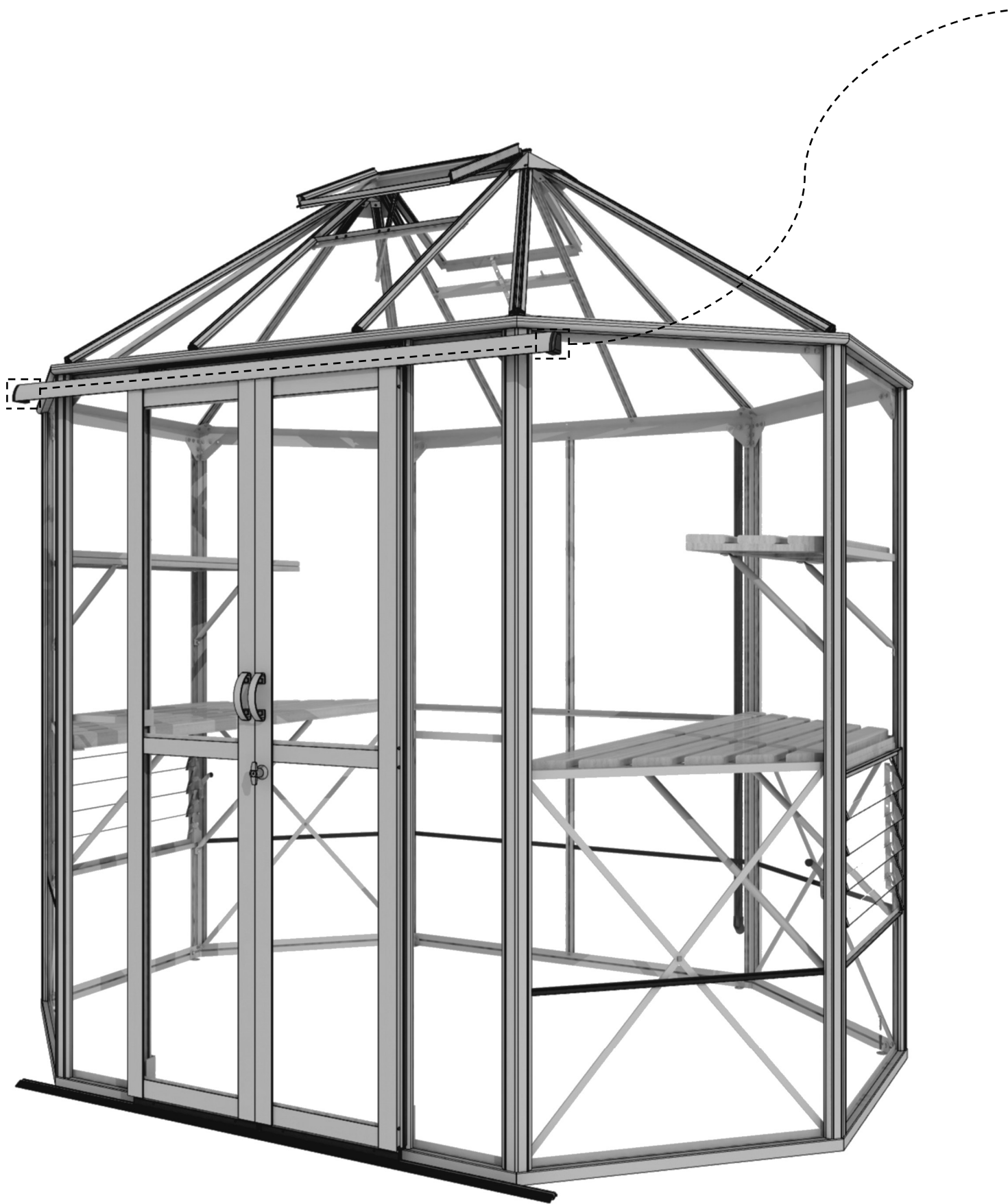




13	Part No	SYSCR2	02-1825	SYRAWL
	Detail			
	Length 'mm'	(No10 x 2") 50	NARROW HEAD 50	50
	Quantity	10	2	12

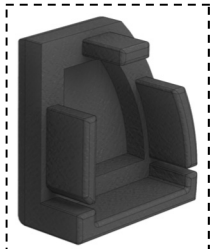
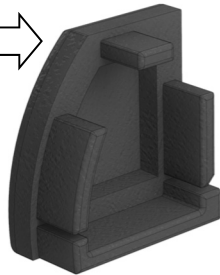
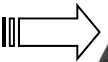
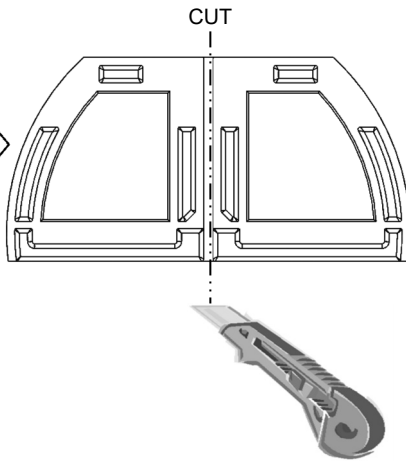
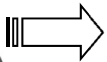
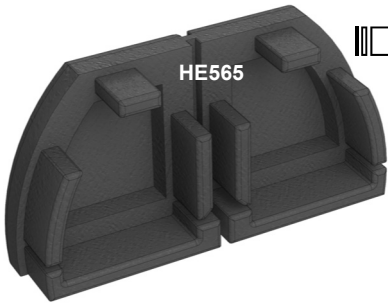


13



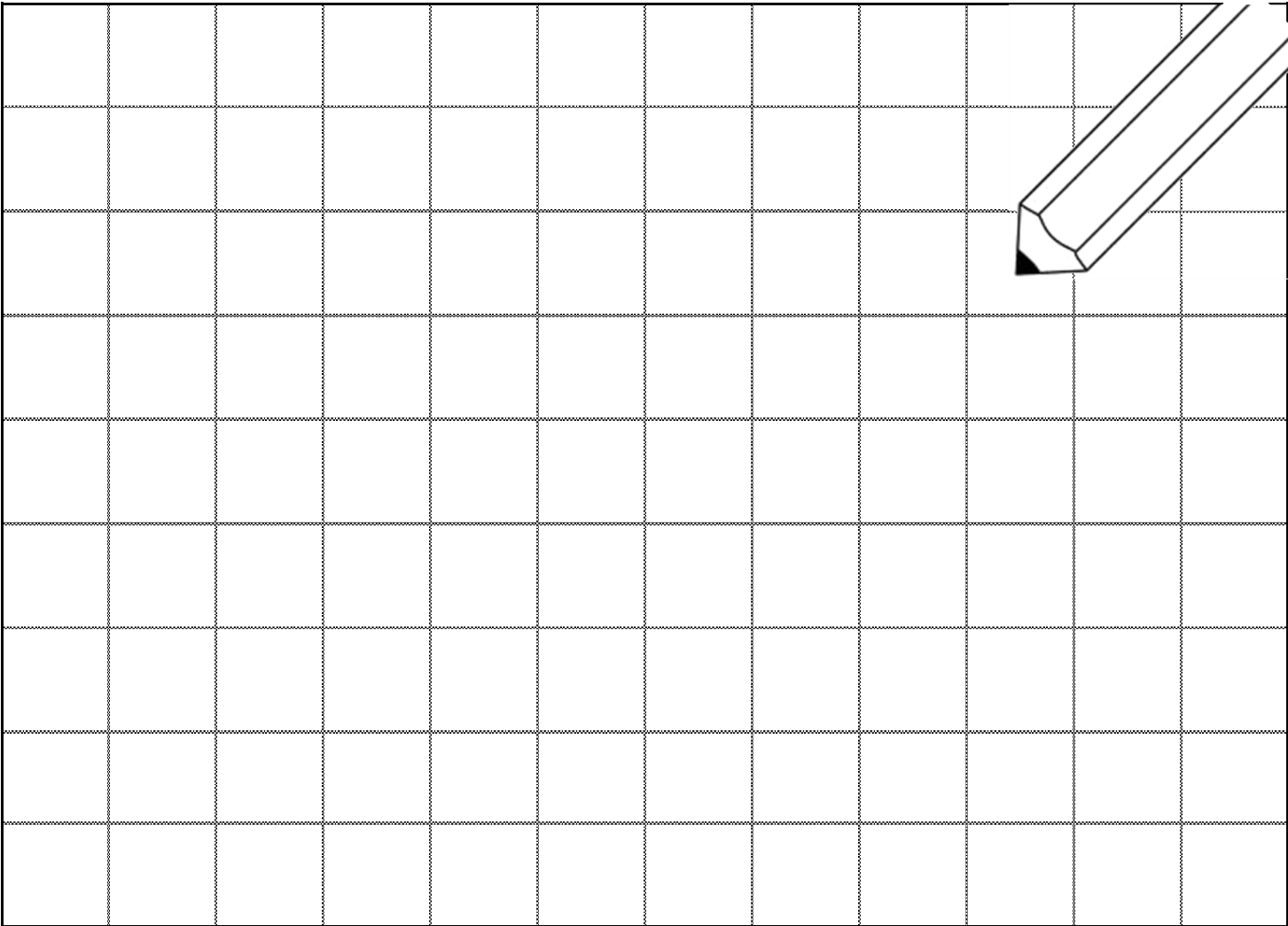
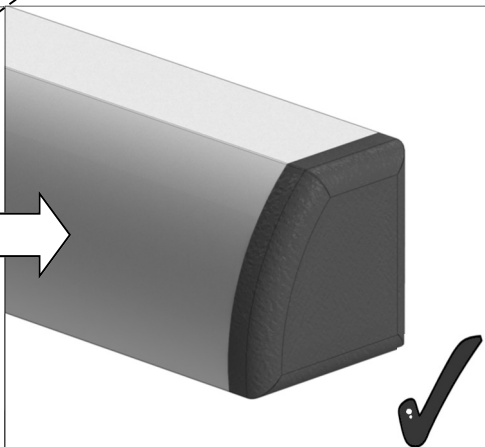
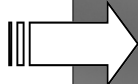
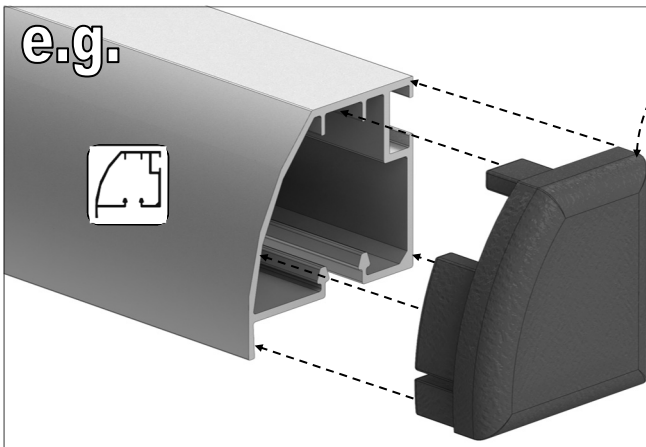
HE565 DOOR TRACK CAPS
TO BE FITTED AFTER DOORS ARE HUNG!

1.^(st)



2.^(nd)

e.g.



Part No.	Section	mm	Quantity	
SY127 /C		457	4	
SY1115 /C		1802	8	
SY1116 /C		1802	3	
SY1118 /C		1130	8	
SY1119 /C		801	6	
SY1121 /C		1301	1	
SY1122 /C		790	6	
SY1124 /C		1290	1	
SY1127 /C		1133	8	
SY1128 /C		762	6	
SY1130 /C		1262	1	
SY1153 /C		1301	1	
SY1162 /C		266	2	
SY1163 /C		1108	4	
SY1164 /C		520	1	
SY1167 /C		278	1	
SY1168 /C		278	1	
SY1178 /C		482	2	
SY1179 /C		456	2	
SY1180 /C		482	2	
SY1165 /C		N/A	2	

HEOCT68/C packing List totals

Part No.	Section	mm	Quantity	
SYBCC/ W1802		1802	20	
SYBCC/ W1130		1130	24	
D211		1625	1	
ROSEPS		610	2	
ROSEP 730		730	4	
SY FOAM		15000	5	
SY STAY/C		N/A	2	
HESMAOCT68/C smalls pack			1	
CADOOME/C DOOR PACK			1 (PACKED SEPERATELY)	
BOX PACKED BY				
.....				
.....				