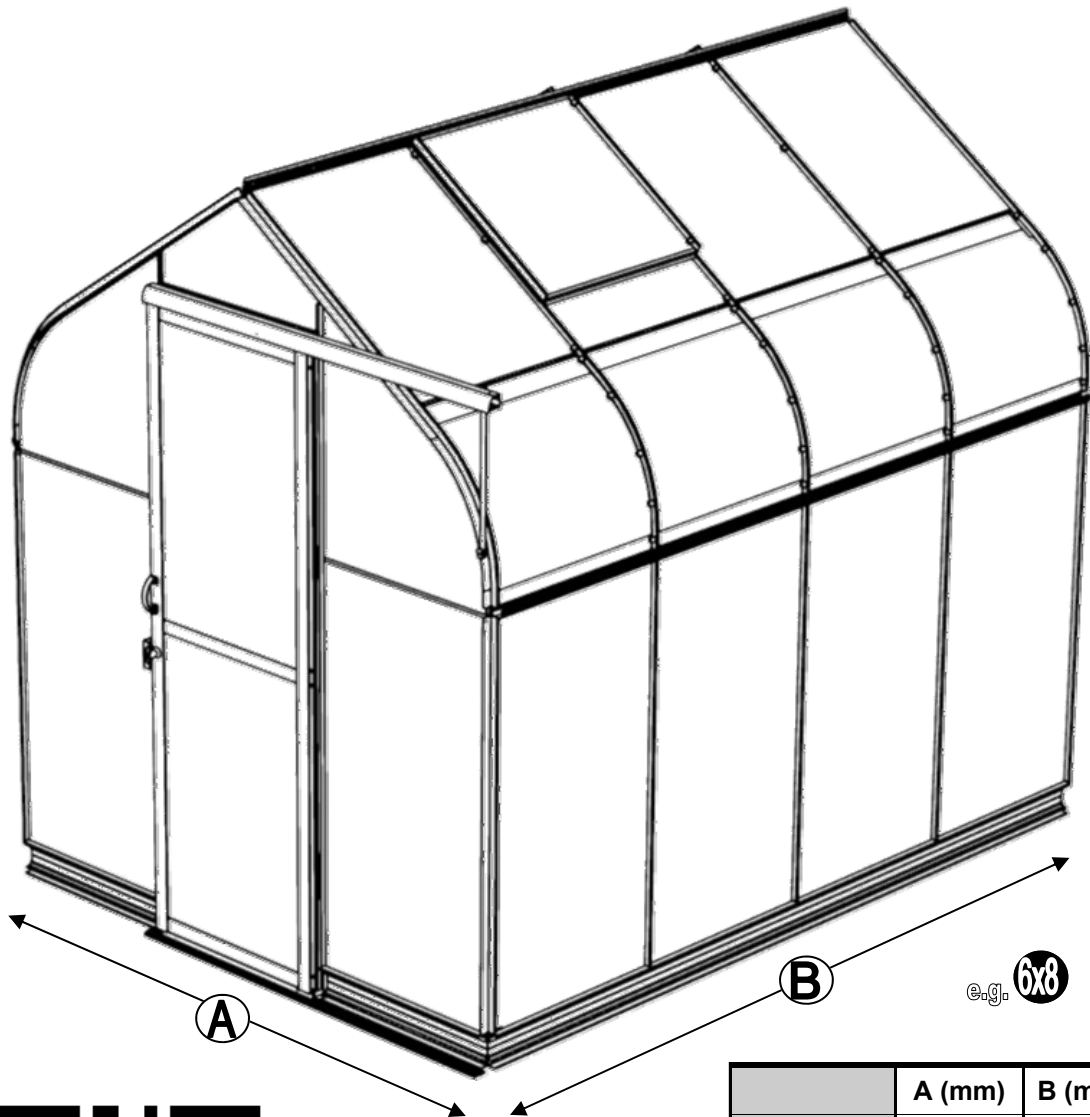


Model HE-PEN



	A (mm)	B (mm)
6'3" x 4'4"	1910	1348
6'3" x 6'4"		1968
6'3" x 8'4"		2588
6'3" x 10'5"		3208
6'3" x 12'5"		3828

ASSEMBLY INSTRUCTIONS

These instructions are divided into sections; **B**-base, **partlists**, **1**-sides, **2**-front gable, **3**-rear, **4**-joining the four sides together, **5**-roof, **6**-vent, **7**-door, **8**-glazing(**8a** toughened glass), **9**-vent attachment, **10**-door attachment, **11** anchoring down, **back cover**-packing list. If you need to contact us for assistance please refer to the relevant section/s or the page numbers bottom middle.

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

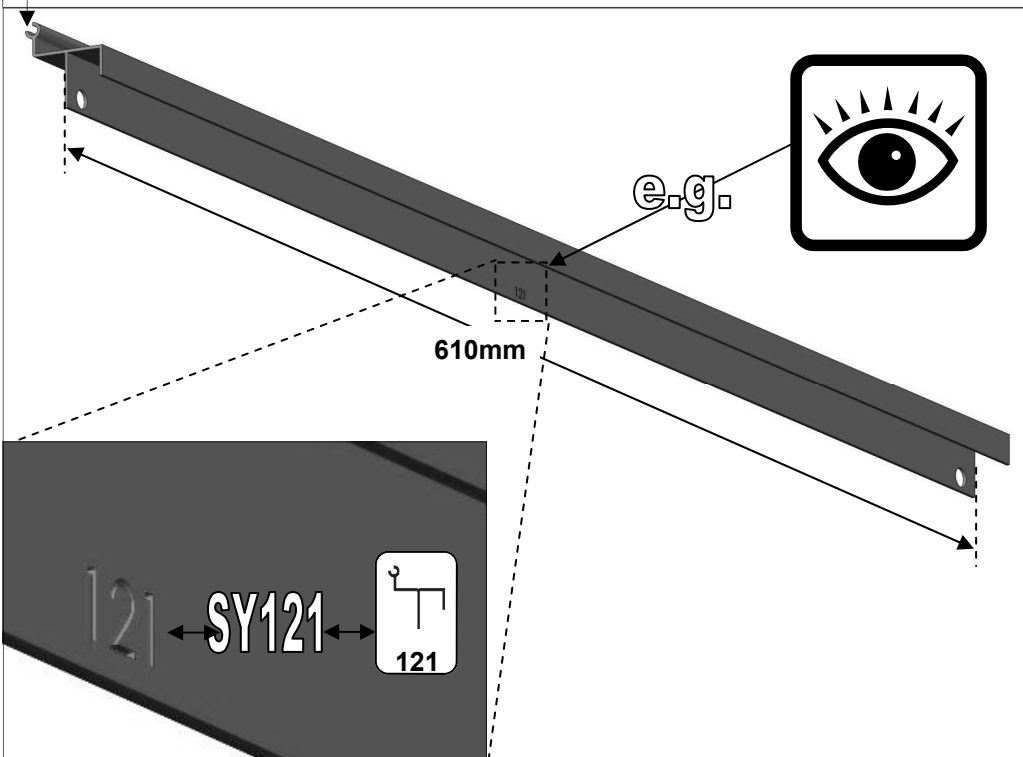
- When selecting a site for your greenhouse, it is vital that you choose as flat and level an area as possible.
- A concrete or slabbed base will provide the most solid foundation for your greenhouse.
- **IMPORTANT:** Do **not** fix your building down until the building is fully assembled, including 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. Most parts are numbered and can be identified by a stamped number (without the 'SY', 'HE', 'CL') 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 (including glazing).
- Once installed your greenhouse requires little maintenance, but to maintain the smooth running of your door(s) WD40 or similar can be applied to the door wheels and lower door guides.

Guarantee

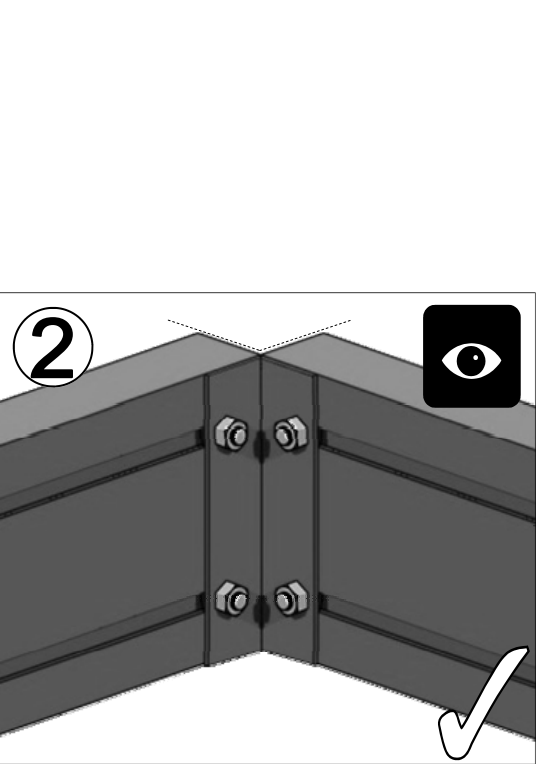
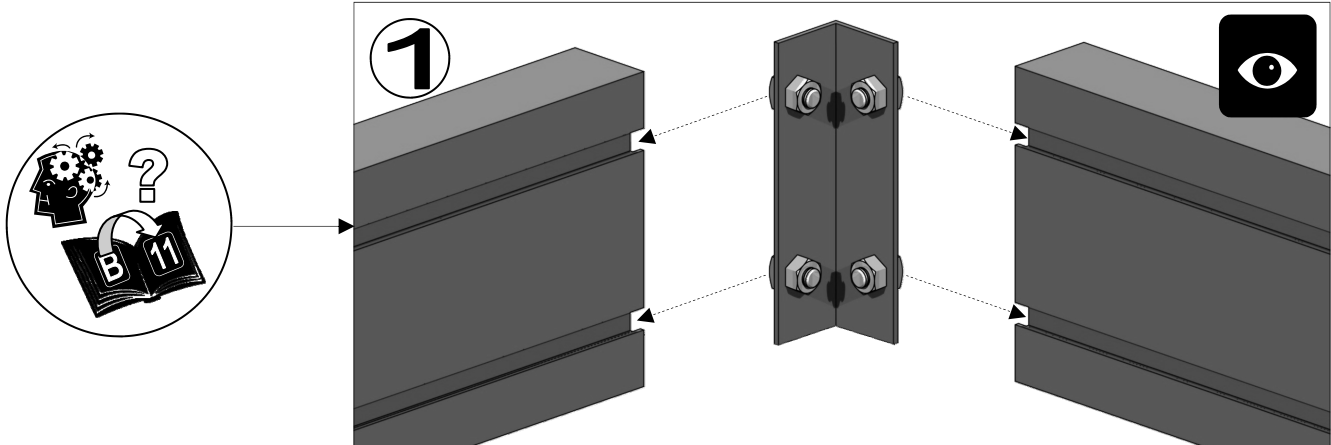
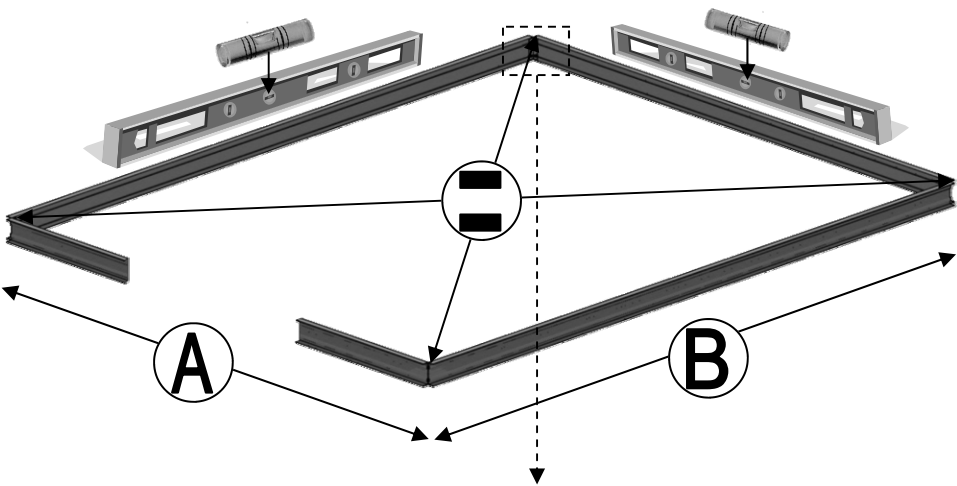
- Your new greenhouse is guaranteed for 10 years against faulty manufacture of the framework. This does not include glazing, moving parts, accidental damage or wind damage.



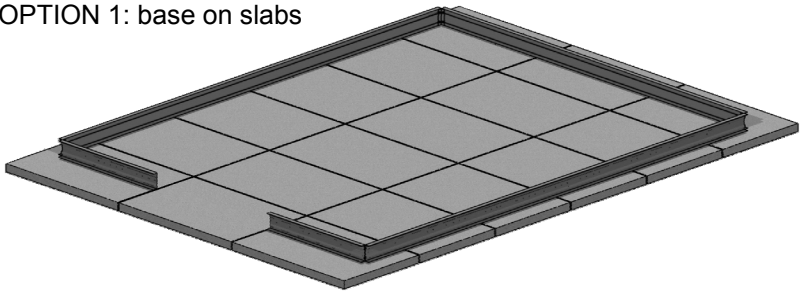
KEY SYMBOL	KEY DESCRIPTION
	EXTERNAL VIEW
	INTERNAL VIEW
	THINK
	THIS SECTION RELATES TO ANOTHER (e.g. 1 to 5)
	CORRECT
	DO NOT FIX DOWN!
	TWIST TO LOCK
	TIGHTEN
	DO NOT WET!
	CUT TO LENGTH



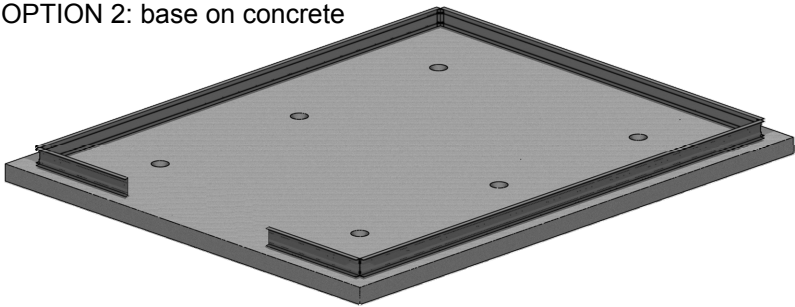
	A (mm)	B (mm)
6'3" x 4'4"	1910	1348
6'3" x 6'4"		1968
6'3" x 8'4"		2588
6'3" x 10'5"		3208
6'3" x 12'5"		3828



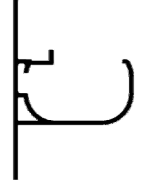
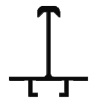
OPTION 1: base on slabs

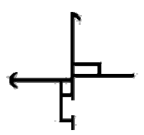
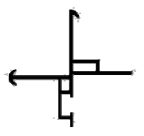
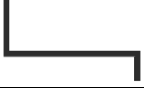
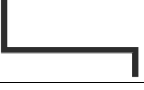


OPTION 2: base on concrete



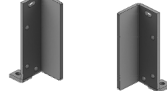
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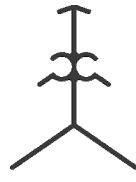
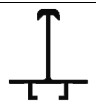
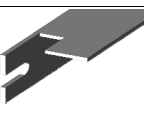
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	SY005		3100				2	
	SY017		2480			2		
	SY025		1860		2			
	SY055		1240	2				
	SY105		1240	2				
	SY106		1860		2			
	SY107		2480			2		
	SY108		3100				2	
	SY109		3720					2
	SY049		1314	2	4			
	SY032		1210	2	4	6	8	10

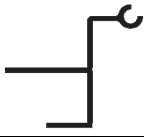
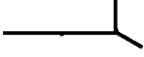
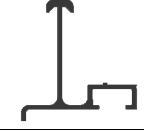
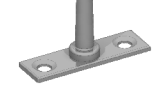
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	SY022			2				
	SY049		1314	2				
	SY049 A		1314	2				
	SY111		1384	2				
	SY112			2				
	SY030		1210	2				
	SY031			2				
	SY096		614	4				
	SY039		1836	1				
	SY023		1856	1				
	SY279		636	2				
	SY612		615	1				
	HE308		638	2				

6 P E N R I T H

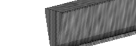
Page Ref	Part No.	Section	Size (mm)	6 4	6 6	6 8	6 10	6 12
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2	SY201		2					
	SY202		4					
	SY616 SY615		1					

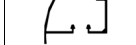
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	SY006		3100				1	
	SY012		2480			1		
	SY026		1860		1			
	SY057		1240	1				
	SY113		1388	2	4	6	8	10
	SY100		1240	2				
	SY101		1860		2			
	SY102		2480			2		
	SY103		3100				2	
	SY104		3720					2
	SY085		628 /	1				
	SY093		636		1	2	3	4
	CL1046		375	1	2	3	4	5

6	SY121		636	1	1	2	3	4
	SY123		610	1	1	2	3	4
	SY124		610	2	2	4	6	8
	HE330			1	1	2	3	4
	HE711			2	2	4	6	8
	HE587 HE578	 M4 BOLT M4 NUT		6 6	6 6	12 12	18 18	24 24
	CLP3 +			2	2	4	6	8
	CL1044							

Page Ref	Part No.	Section	Size (mm)	6 4	6 6	6 8	6 10	6 12
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7	HE707 (HE371+ SKID)		618			1		
	HE708 (HE701+ WHEELS)		618			1		
	HE373		618			1		
	HE717 (HE377+ LOCK)		1880			1		
	HE379		1880			1		
	HE384		112			1		
	HE558		870			4		
	HE571		3800			1		
	HE583		19			12		

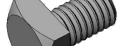
8	SYCLIP		168	212	258	304	350
	SY120		4	6	8	10	12
	SYFOAM		3 roll	4 roll	5 roll	5 roll	6 roll

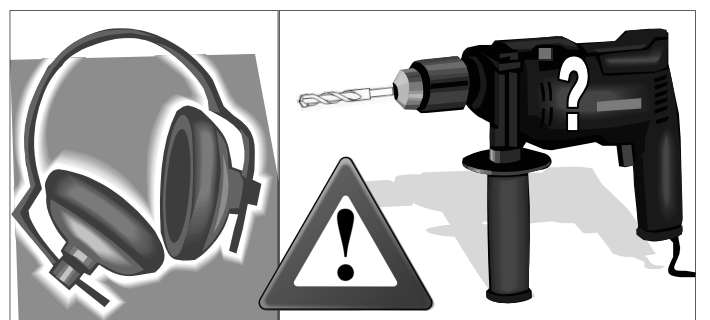
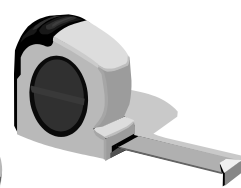
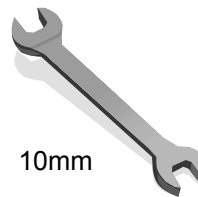
10	HE400		N/A			1		
	HE560		N/A			1		
	HE374		1320			1		
	HE402		1320			1		
	HE404		N/A			2		
	SY627		612			1		
	SY614		574			1		
	HE300		N/A			1		
	SY637		300			1		
	HE401		N/A			1		
	02 -1825		SCREW			2		

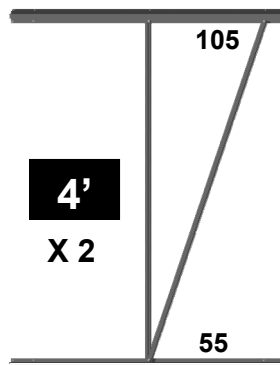
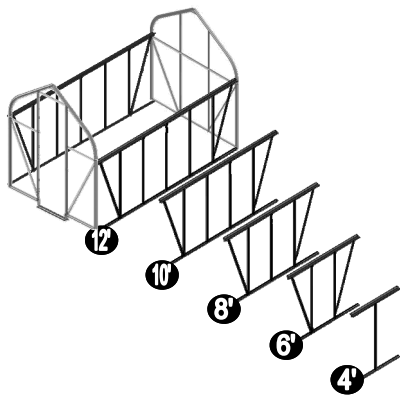
6

PENRITH

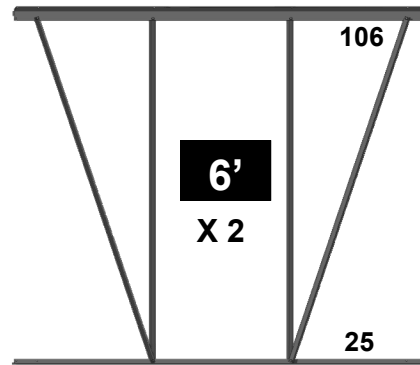
Page Ref	Part No.	Section	Size (mm)	6 4	6 6	6 8	6 10	6 12
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SYBOL M6X11		M6 BOLT 10mm	82	98	112	126	142
SYBOL M6X15		M6 BOLT 15mm	8				
SYNUT M6		M6 NUT	96	121	135	149	165
SYBOL M6X11 CROP		M6 CROP	15	14	14	14	14



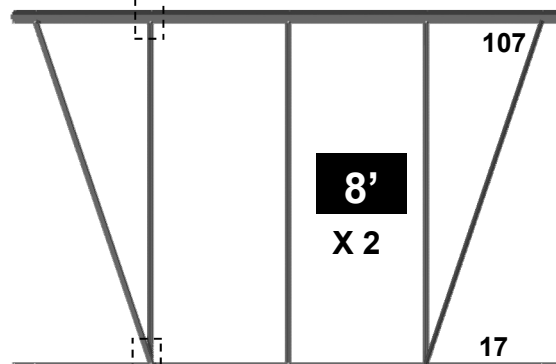


Part No	mm	Quantity
105	1240	2
032	1210	2
055	1240	2
049	1314	2
M6		6
M6		6



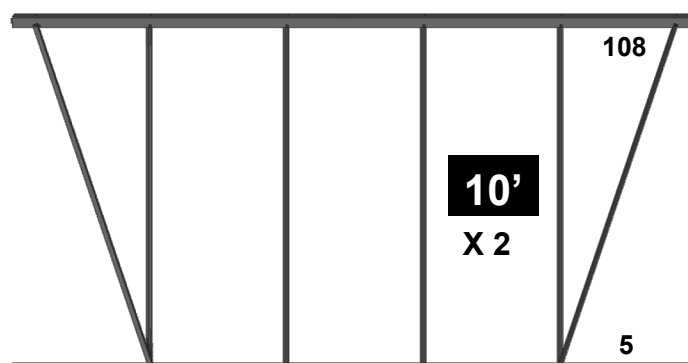
Part No	mm	Quantity
106	1860	2
032	1210	4
025	1860	2
049	1314	4
M6		12
M6		12

e.g. ① →

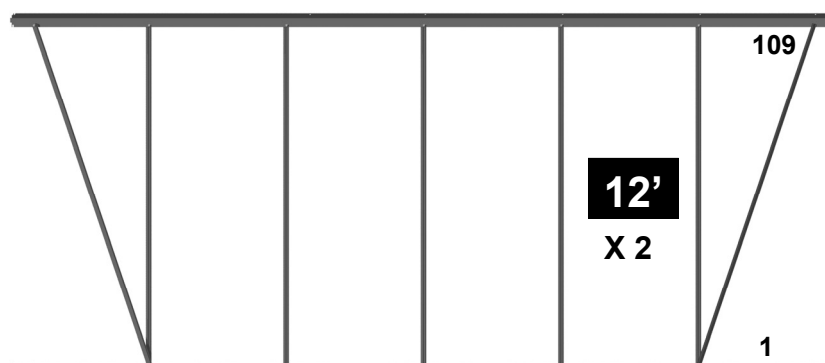


Part No	mm	Quantity
107	2480	2
032	1210	6
017	2480	2
049	1314	4
M6		16
M6		16

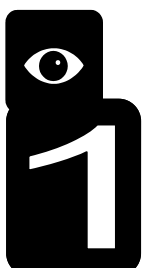
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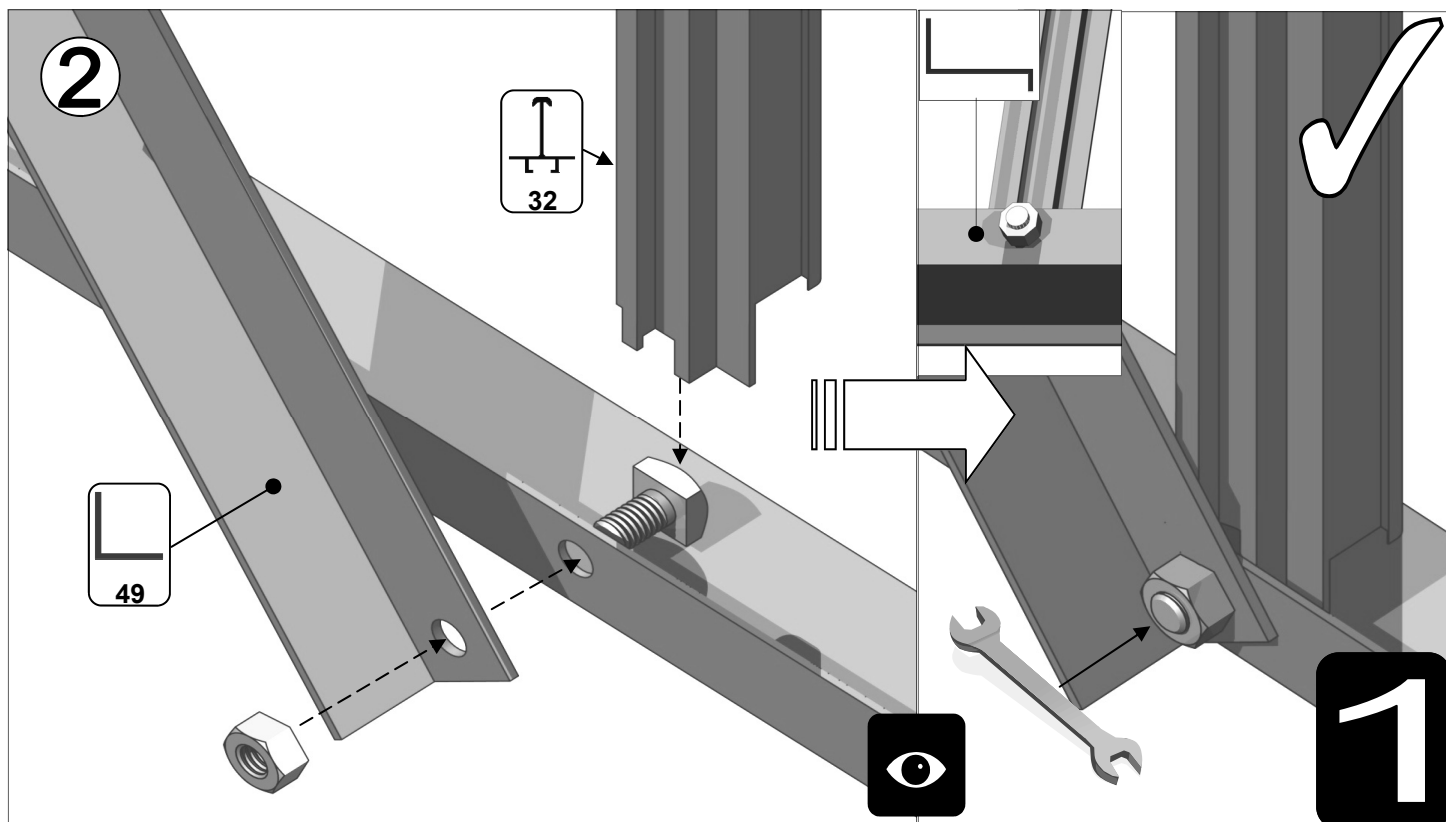
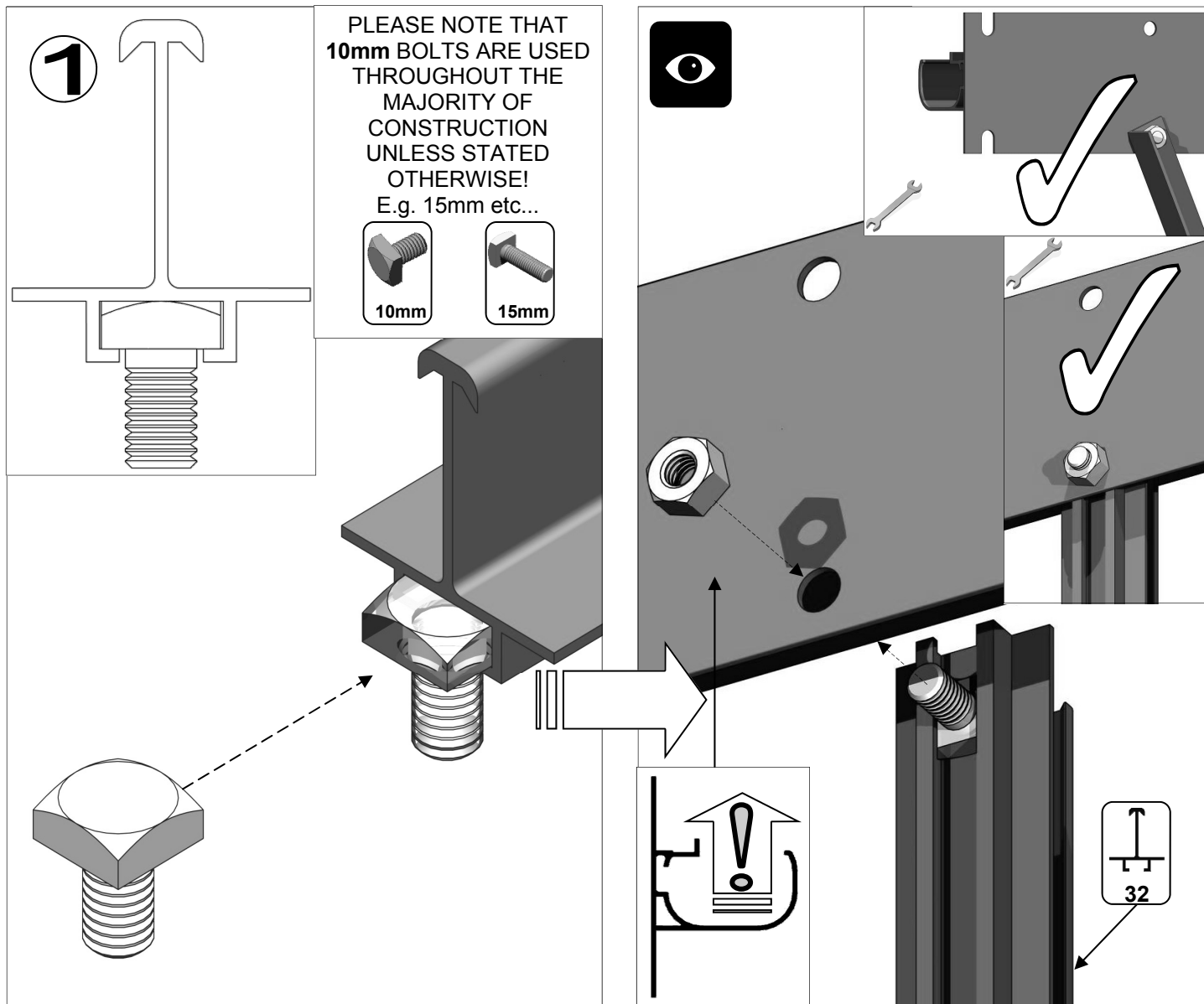


Part No	mm	Quantity
108	3100	2
32	1210	8
5	3100	2
49	1314	4
M6		20
M6		20



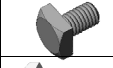
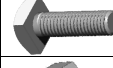
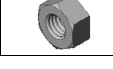
Part No	mm	Quantity
109	3720	2
32	1210	10
1	3720	2
49	1314	4
M6		24
M6		24

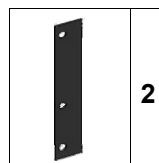
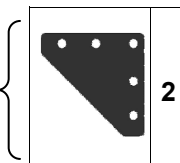
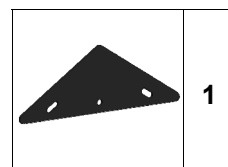




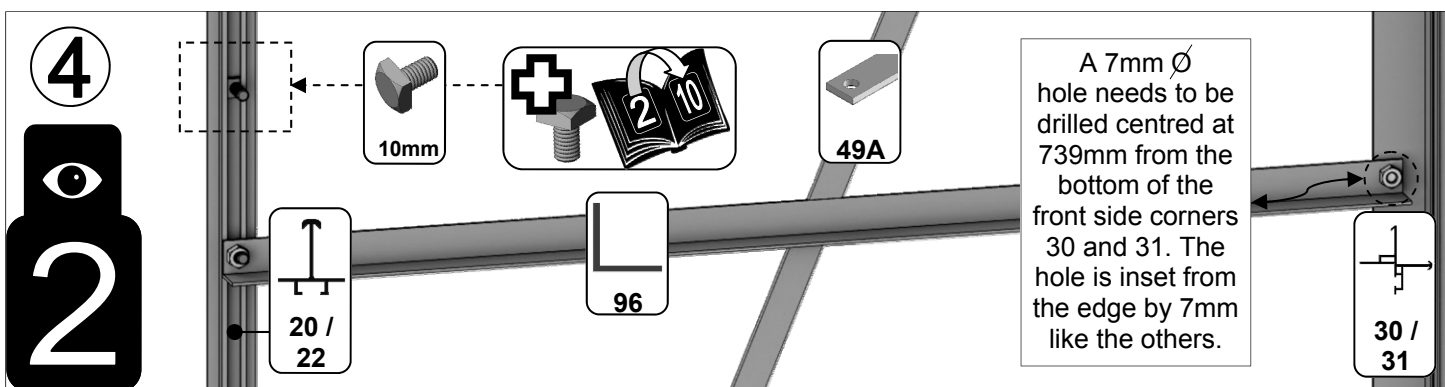
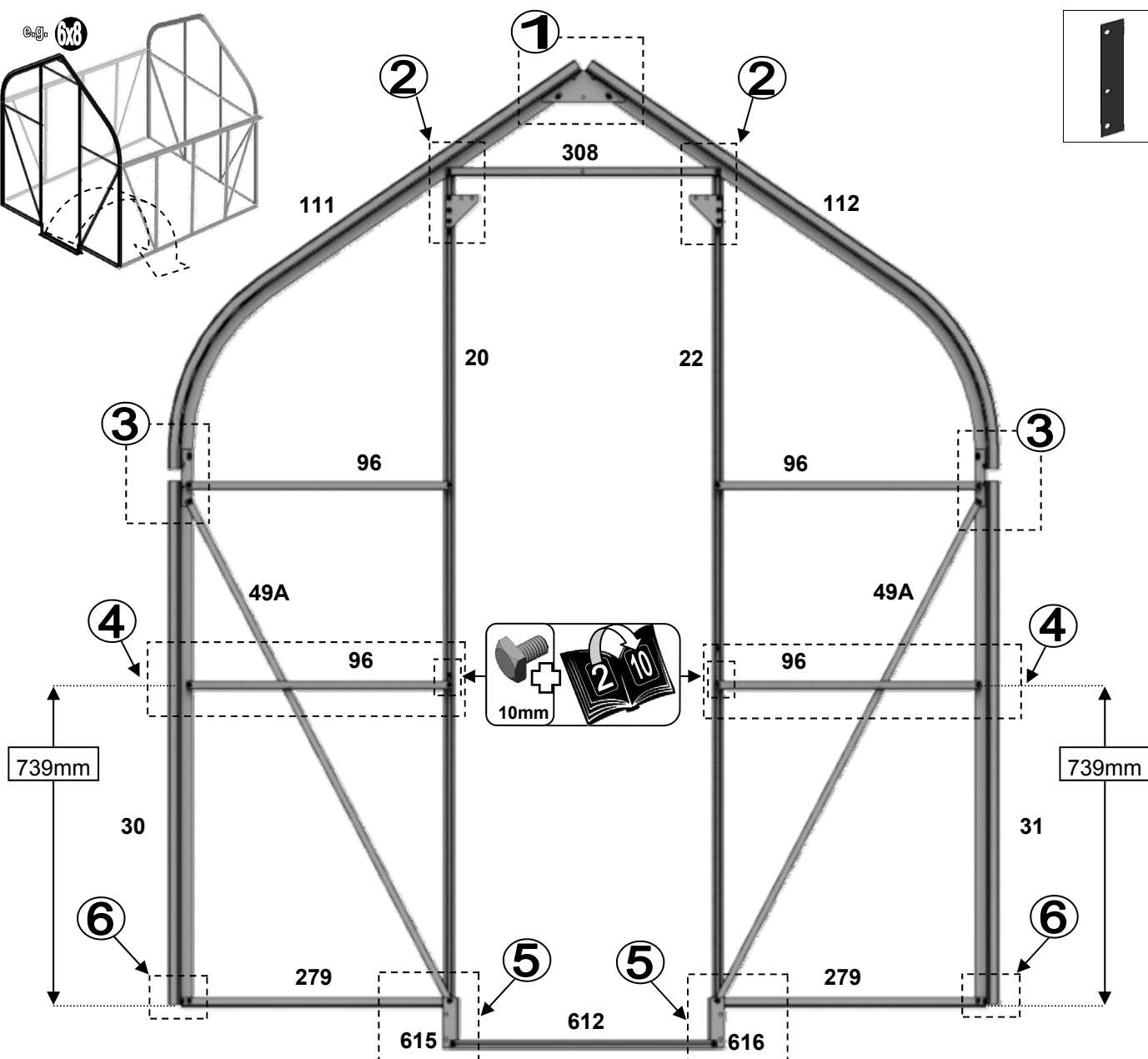
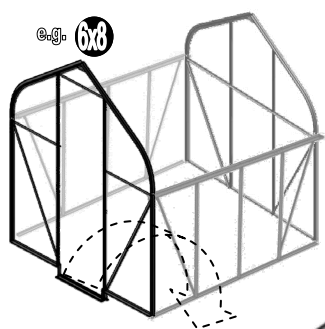
Part No	mm	Quantity
20	1942	1
22	1942	1
30	1210	1
31	1210	1
49A	1314	2
96	614	4
111	1384	1

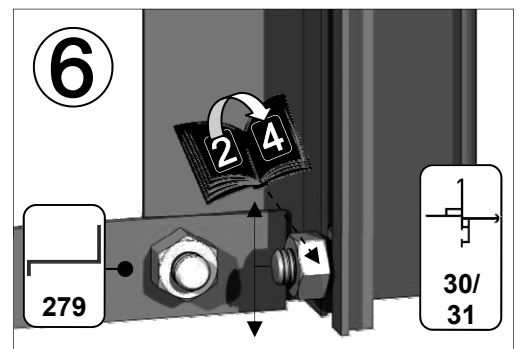
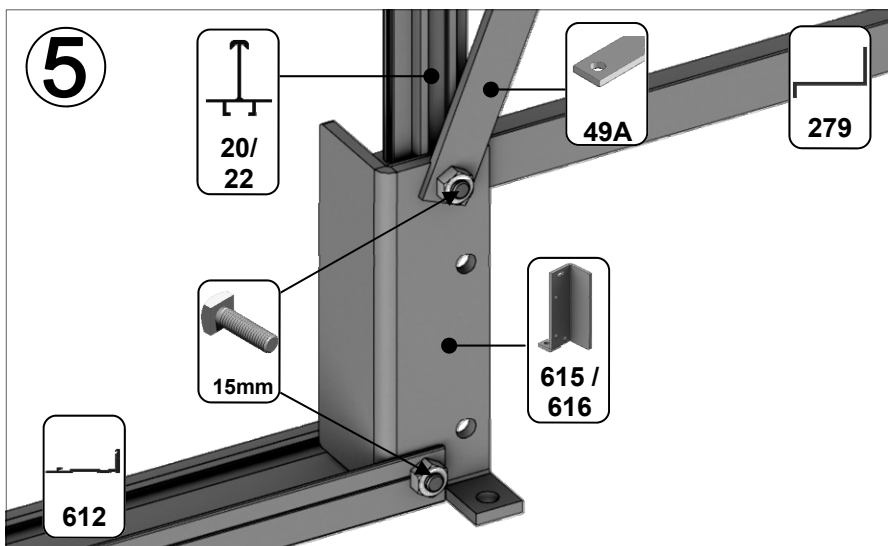
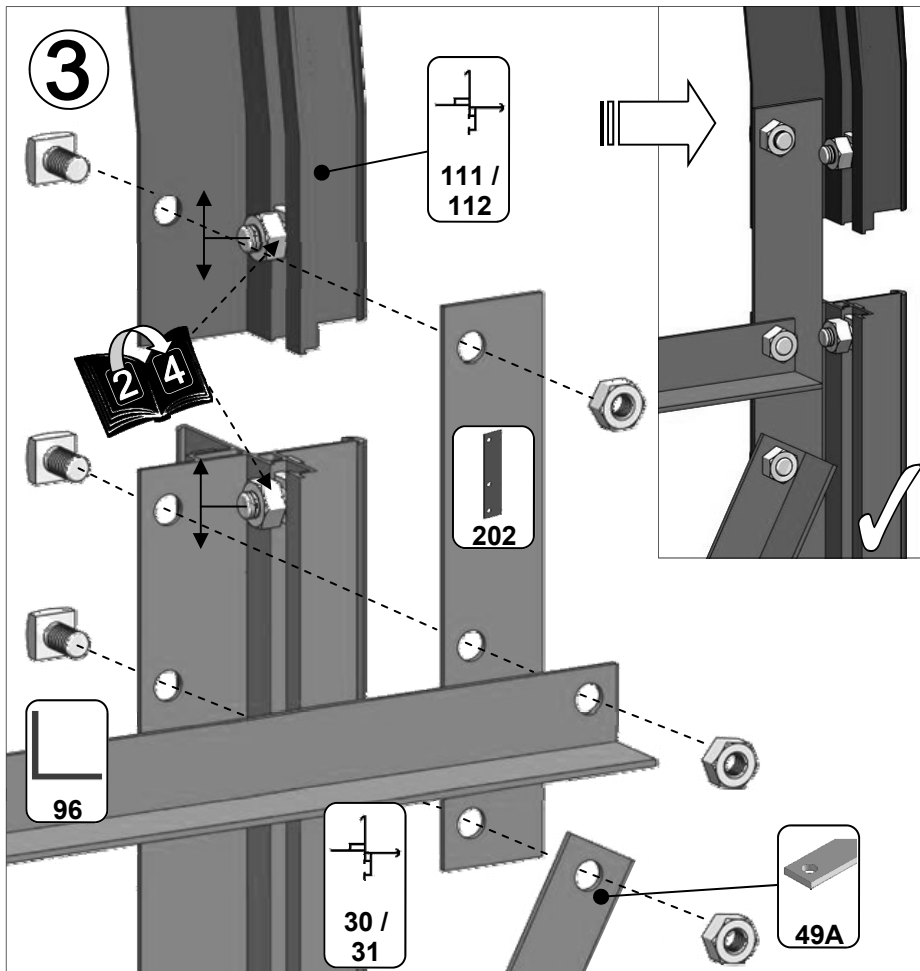
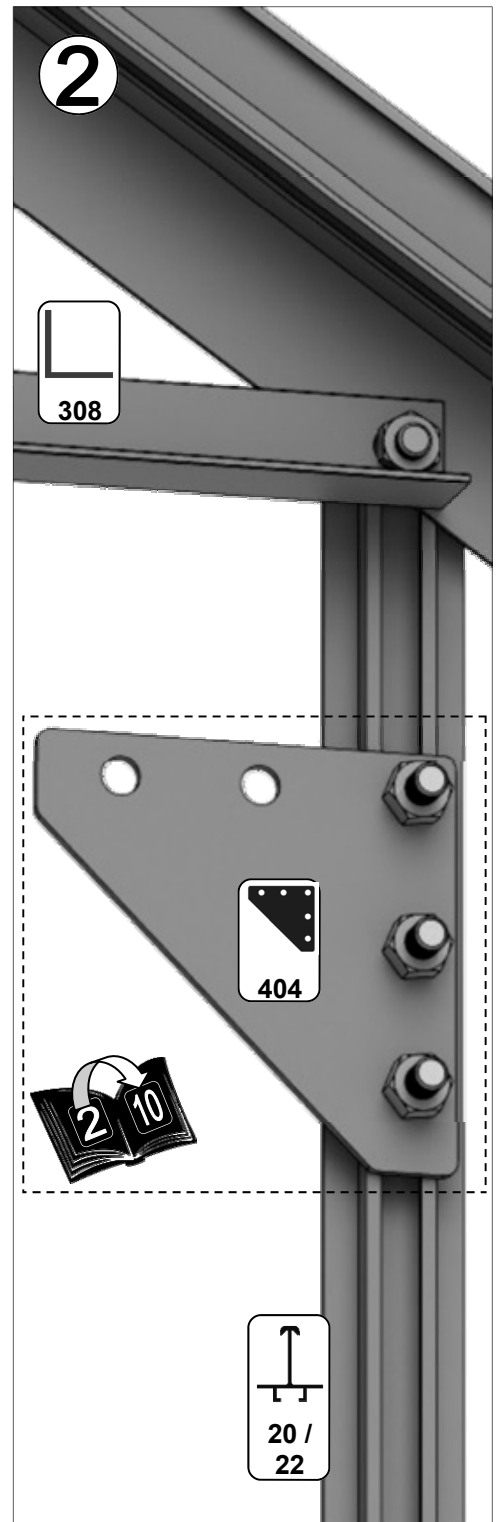
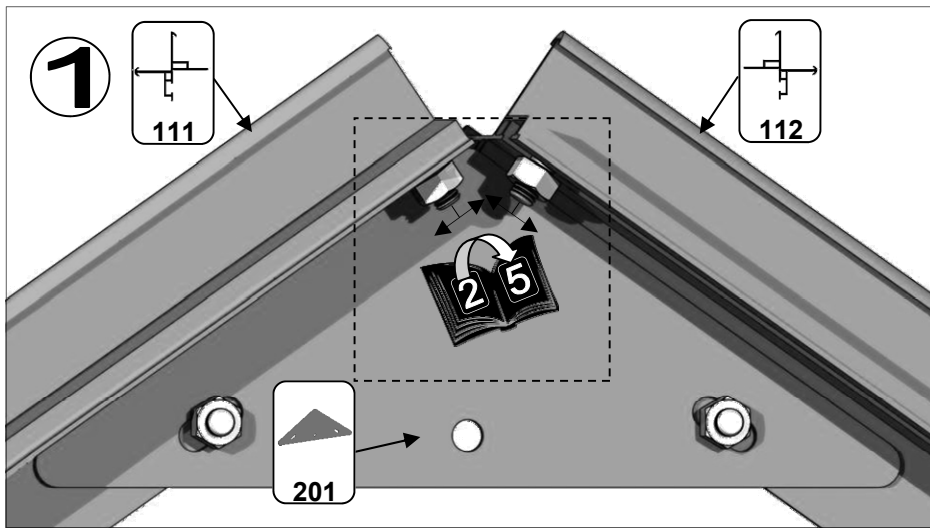
Part No	mm	Quantity
112	1384	1
308	638	1
279	636	2
612	615	1
615	n/a	1
616	n/a	1

	10mm	34
	15mm	4
	M6	36



PARTS IN GAMMA DOOR BOX





Part No	mm	Quantity
20	1942	1
22	1942	1
23	1856	1
30	1210	1
31	1210	1

Part No	mm	Quantity
39	1836	1
49	1314	2
111	1384	1
112	1384	1
308	638	1



24

M6



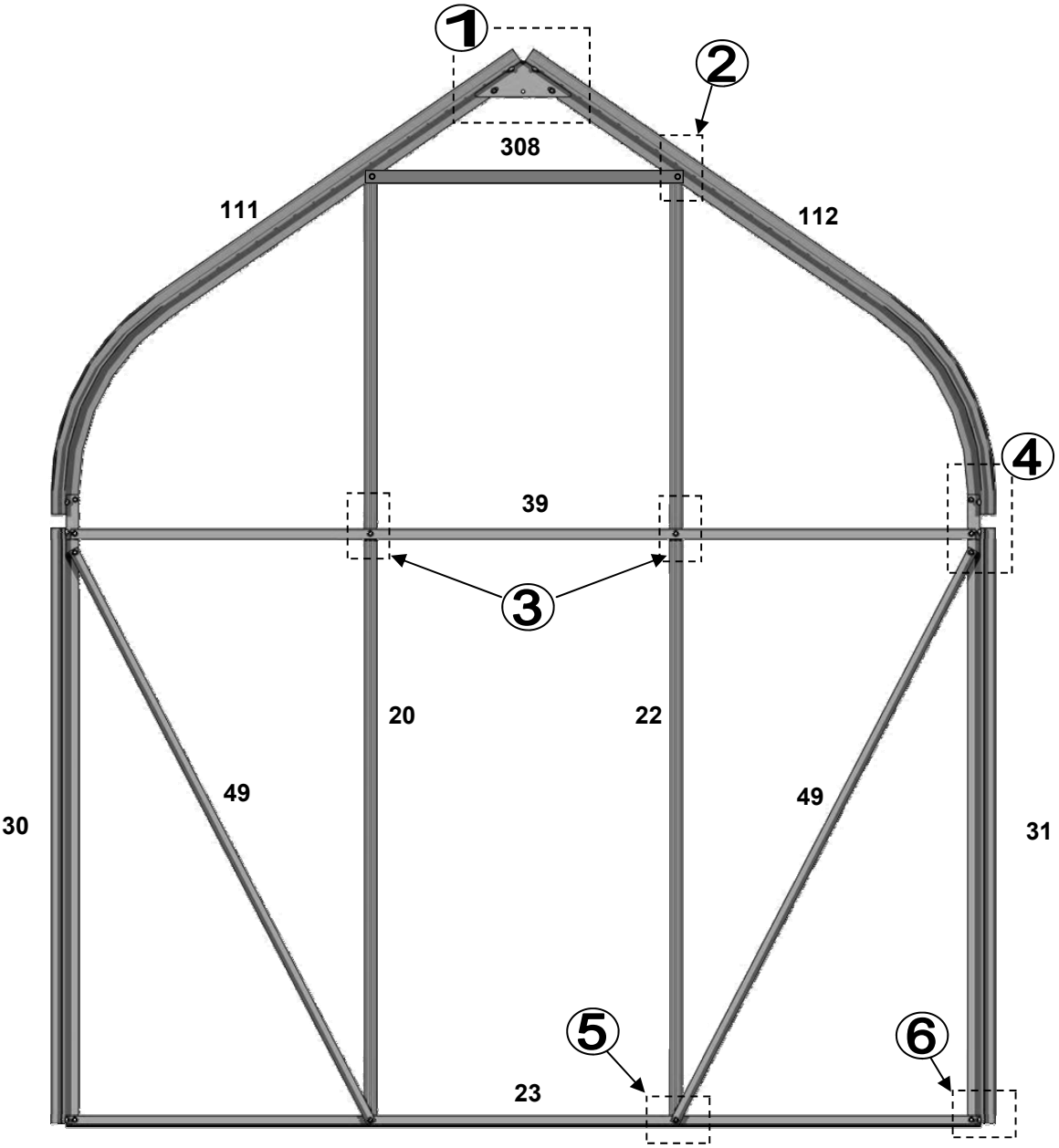
24



2

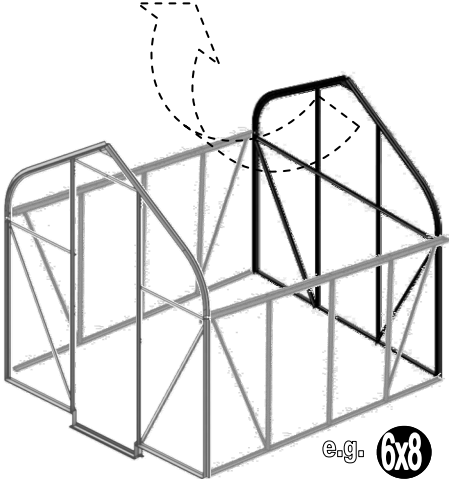


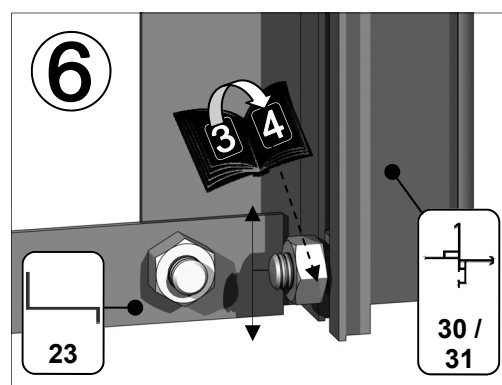
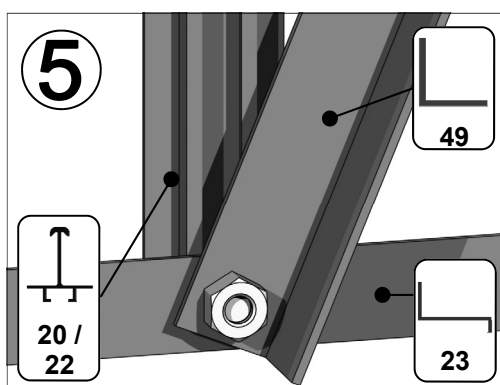
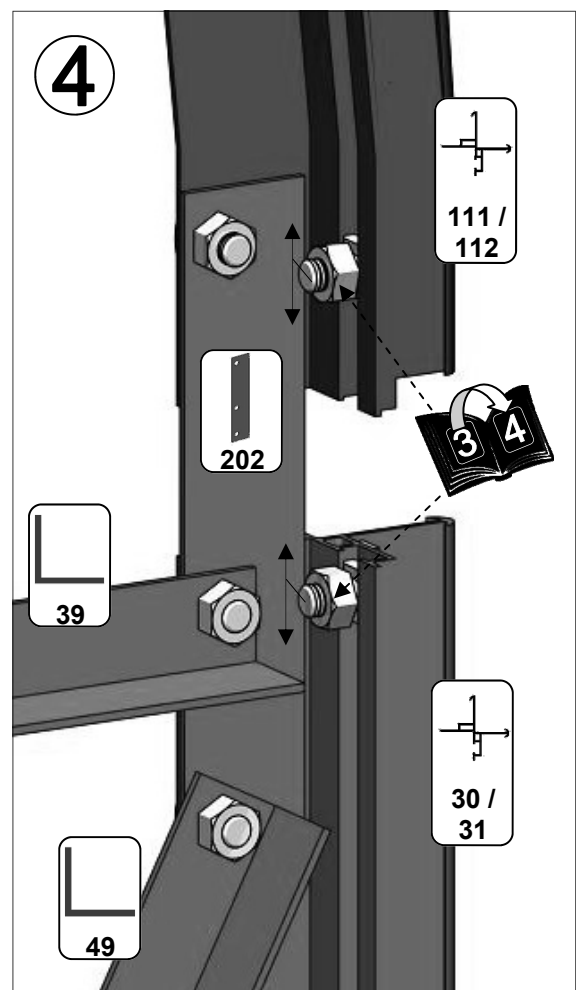
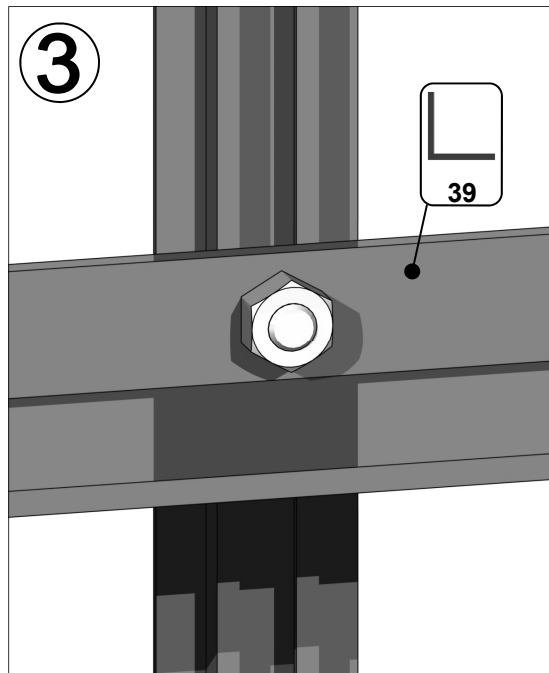
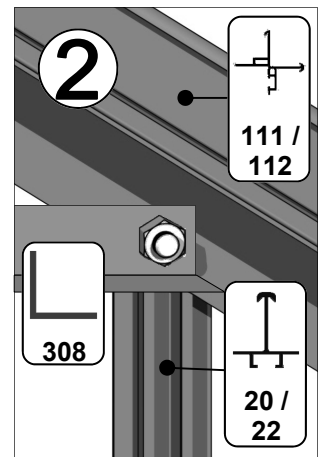
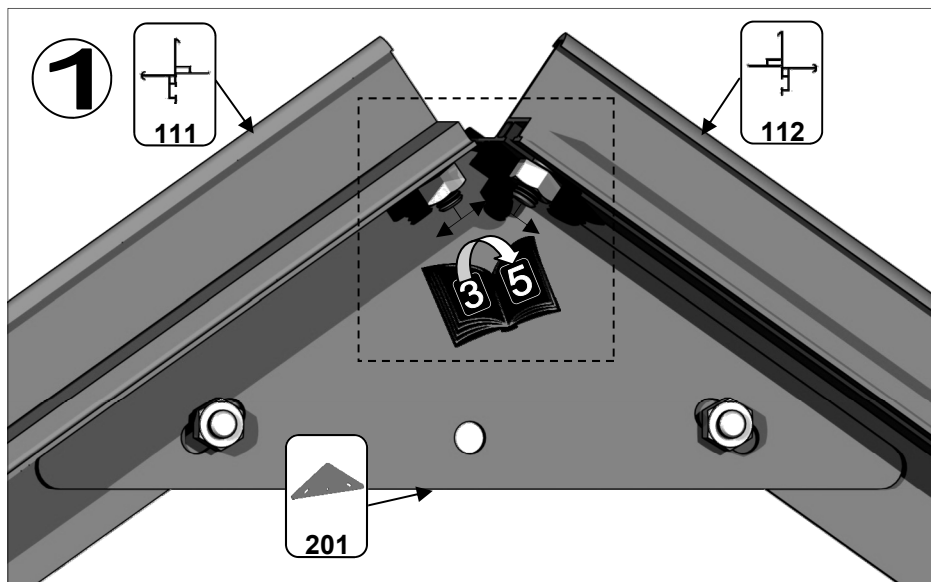
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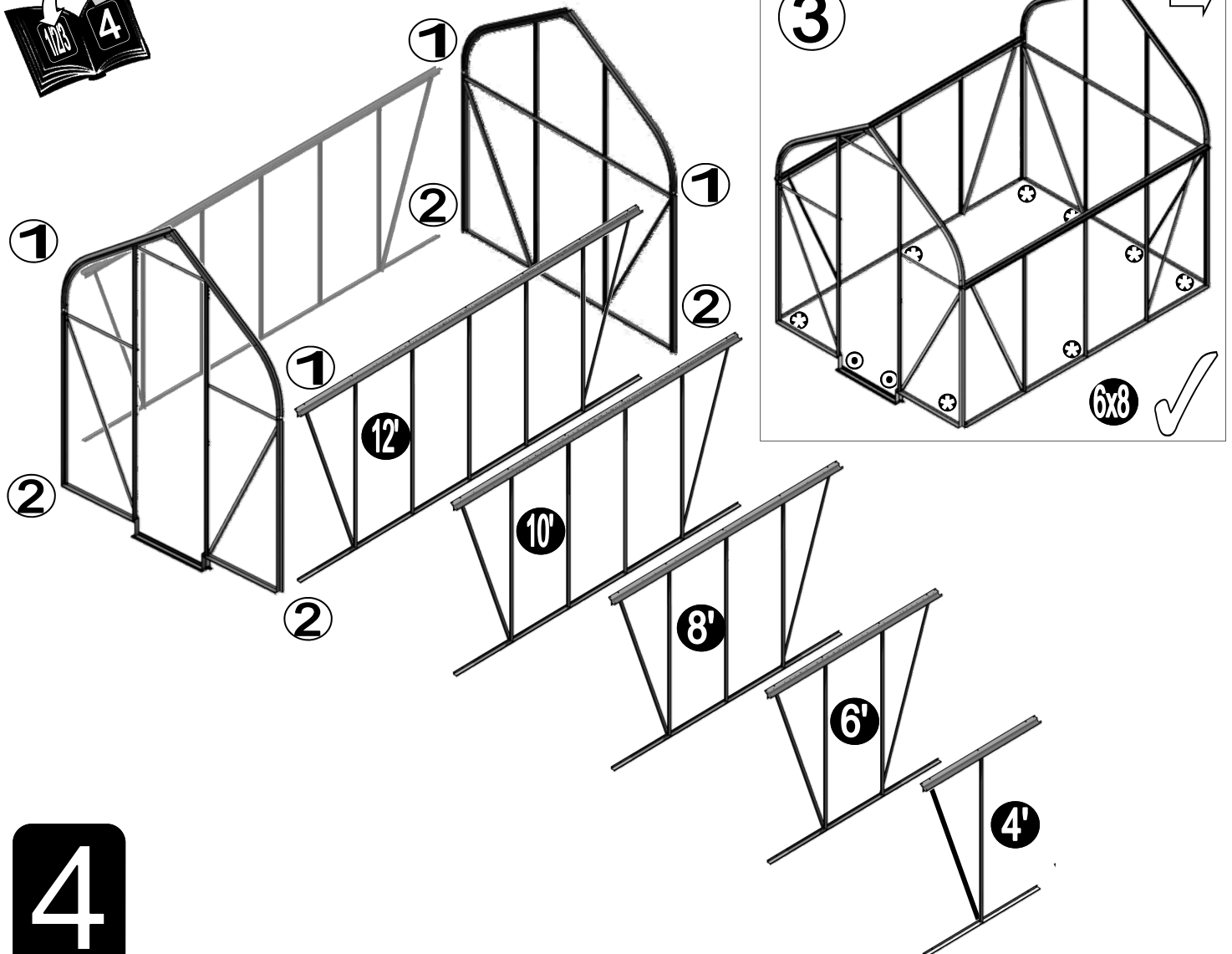
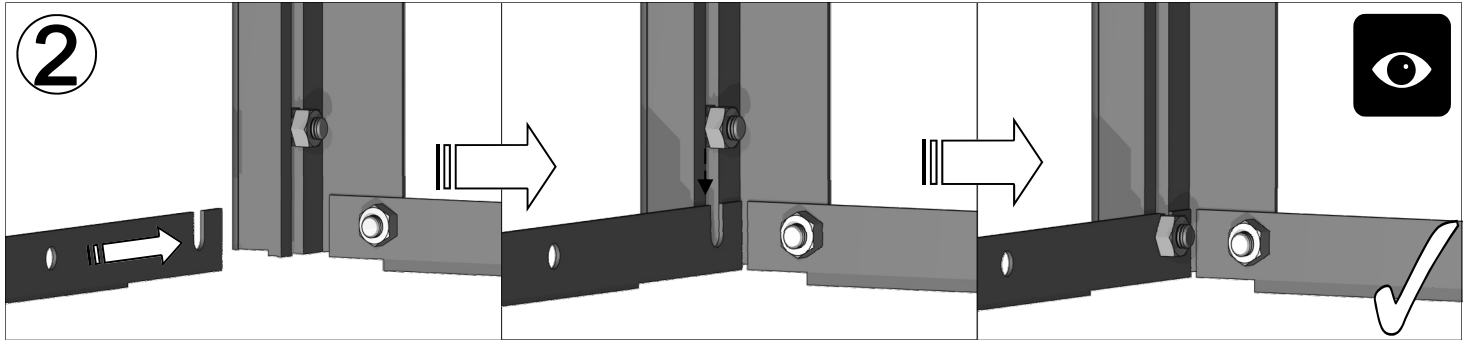
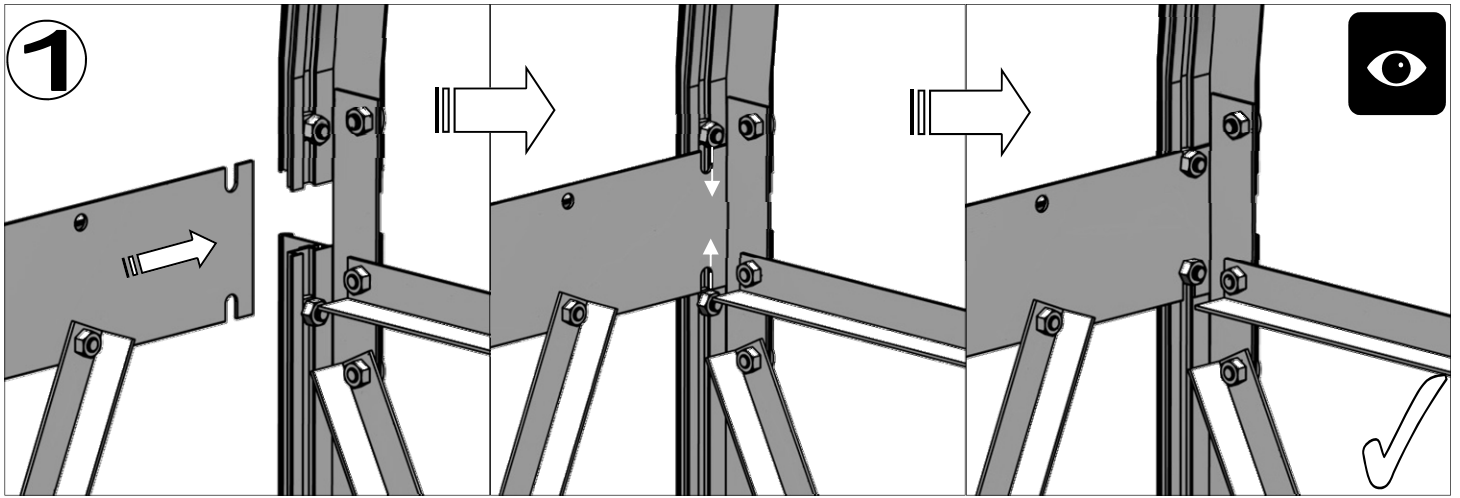


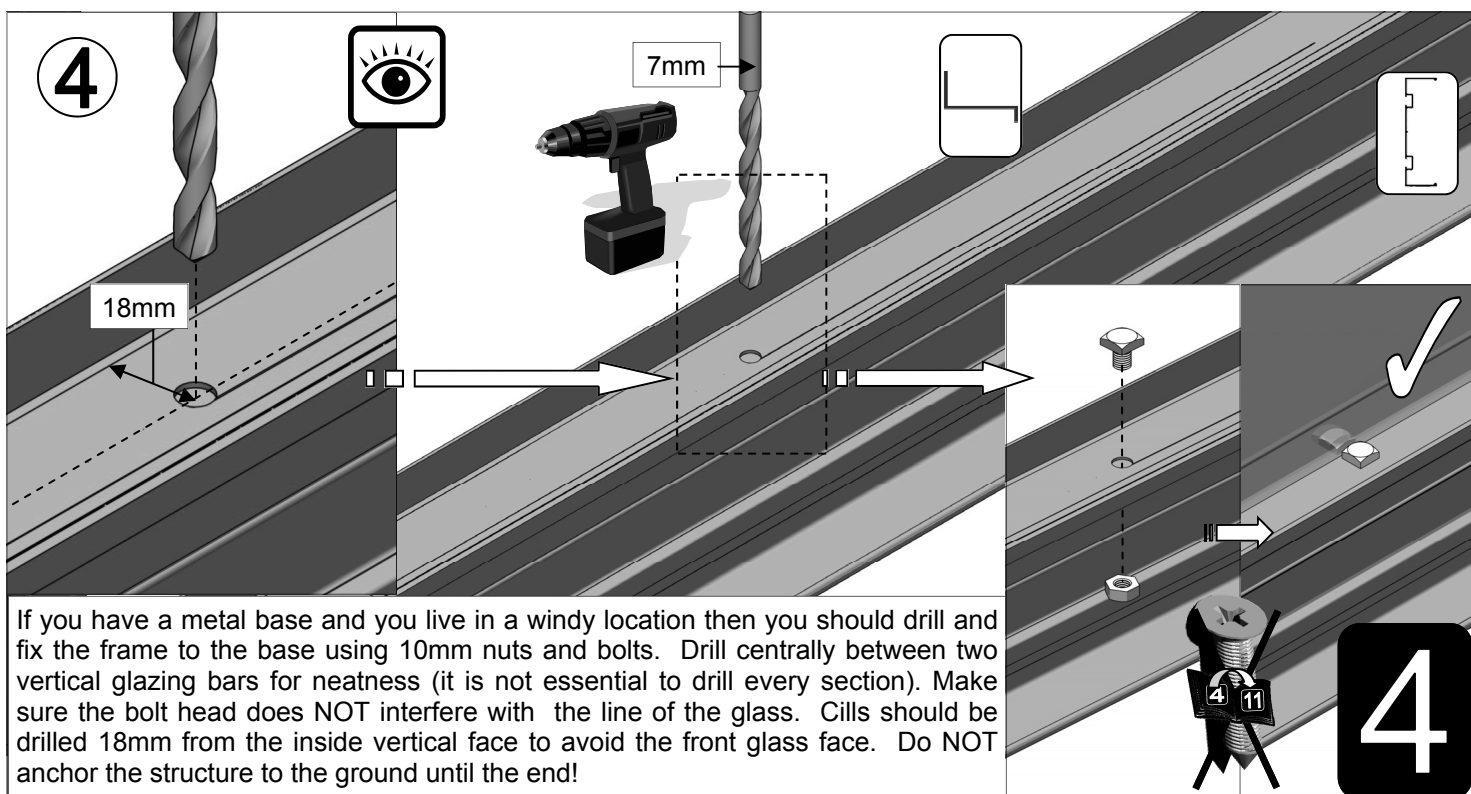
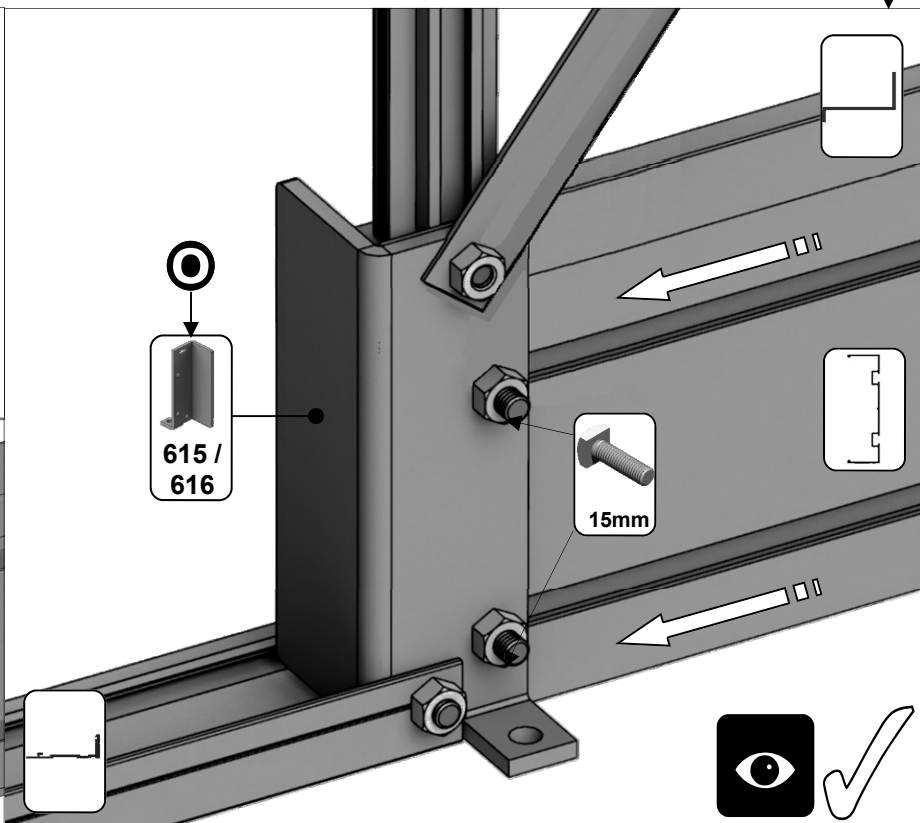
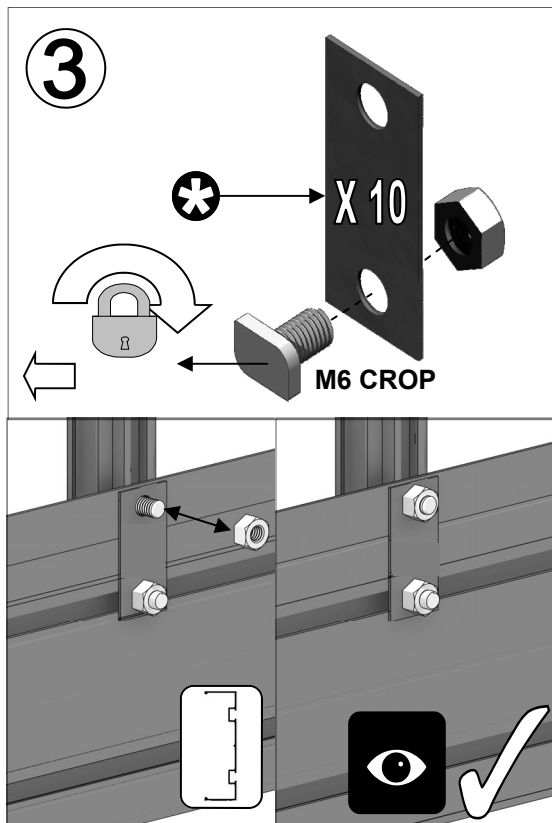
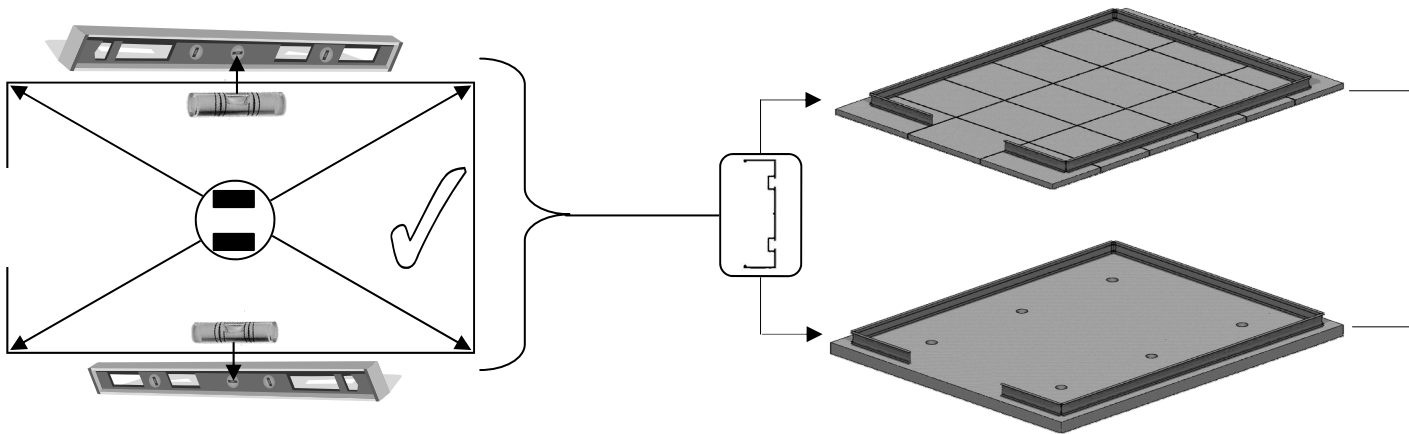


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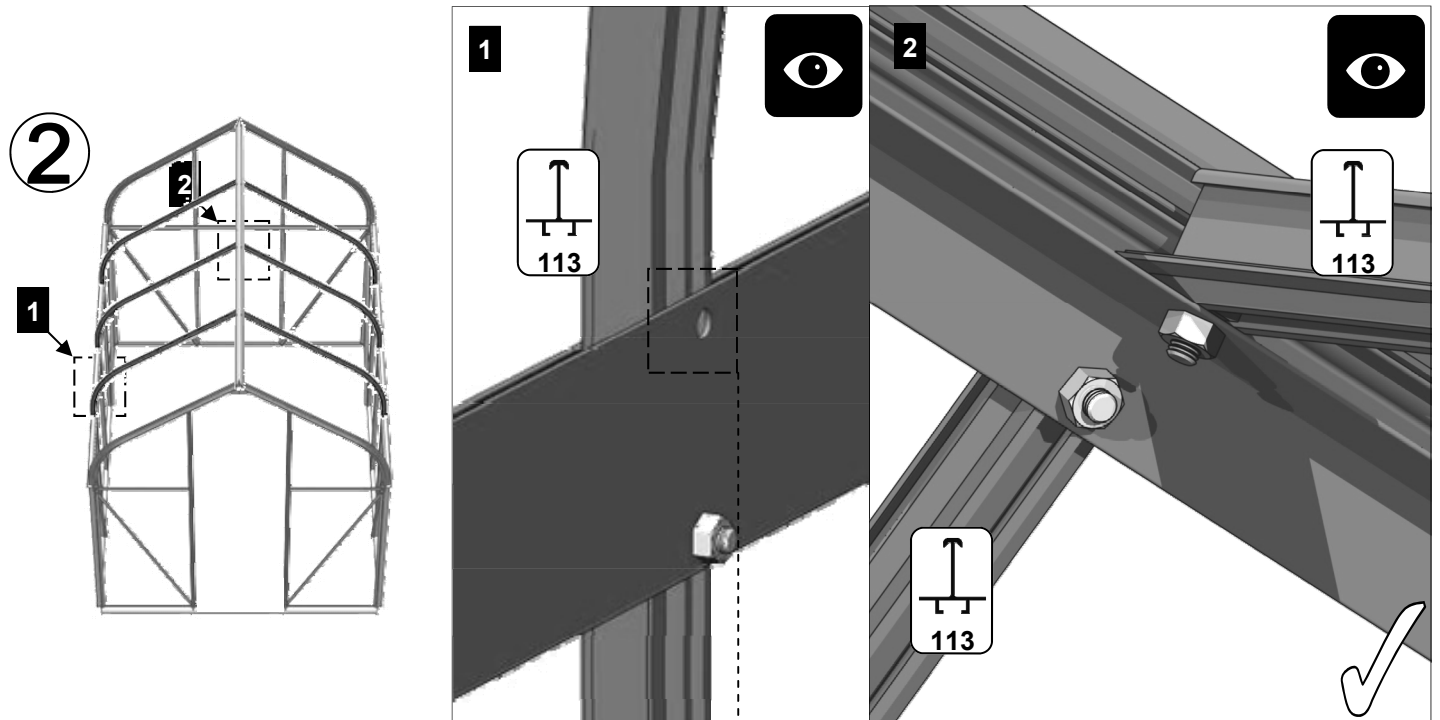
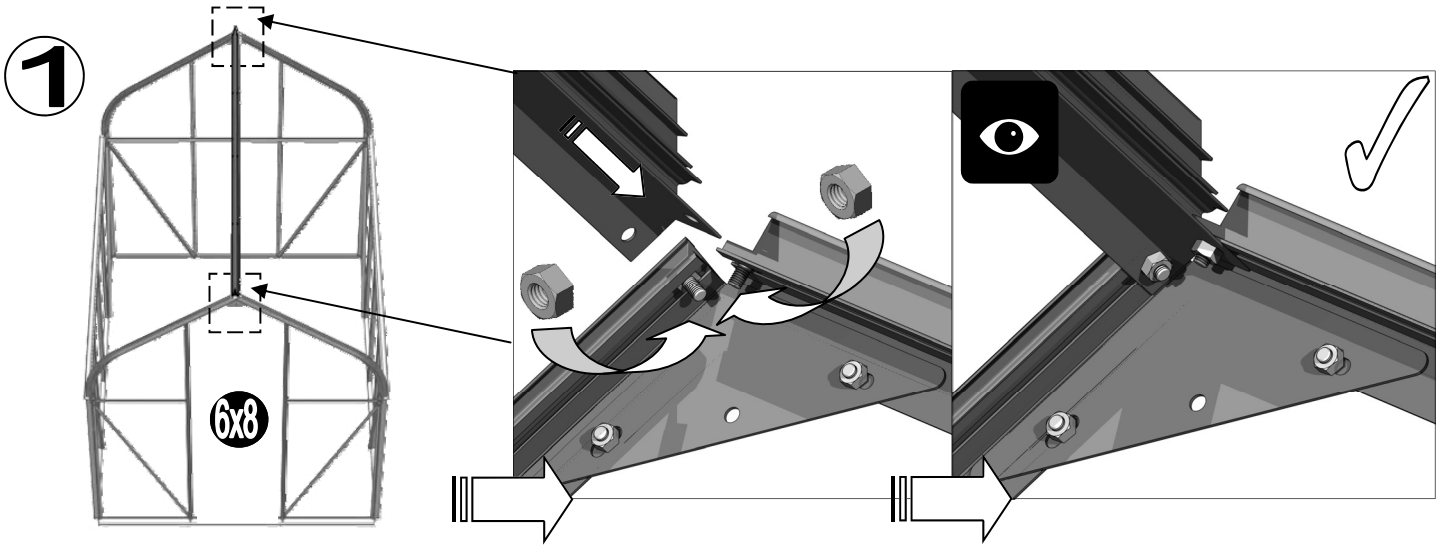




4'	Part No	mm	Quantity
  9 / 1 	57	1240	1
	85	628	1
	113	1388	2
	100	1240	2
	1046	375	1

6'	Part No	mm	Quantity
  18 	26	1860	1
	93	636	1
	113	1388	4
	101	1860	2
	1046	375	2

8'	Part No	mm	Quantity
  28 	12	2480	1
	93	636	2
	113	1388	6
	102	2480	2
	1046	375	3

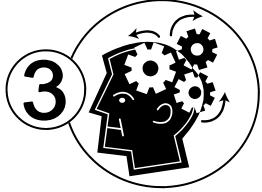
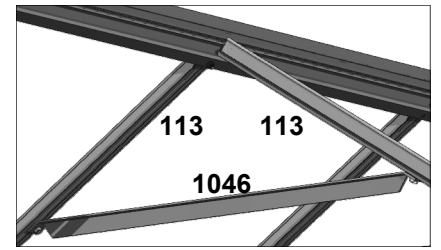


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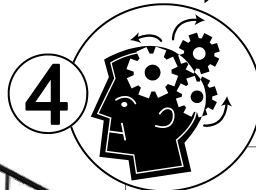
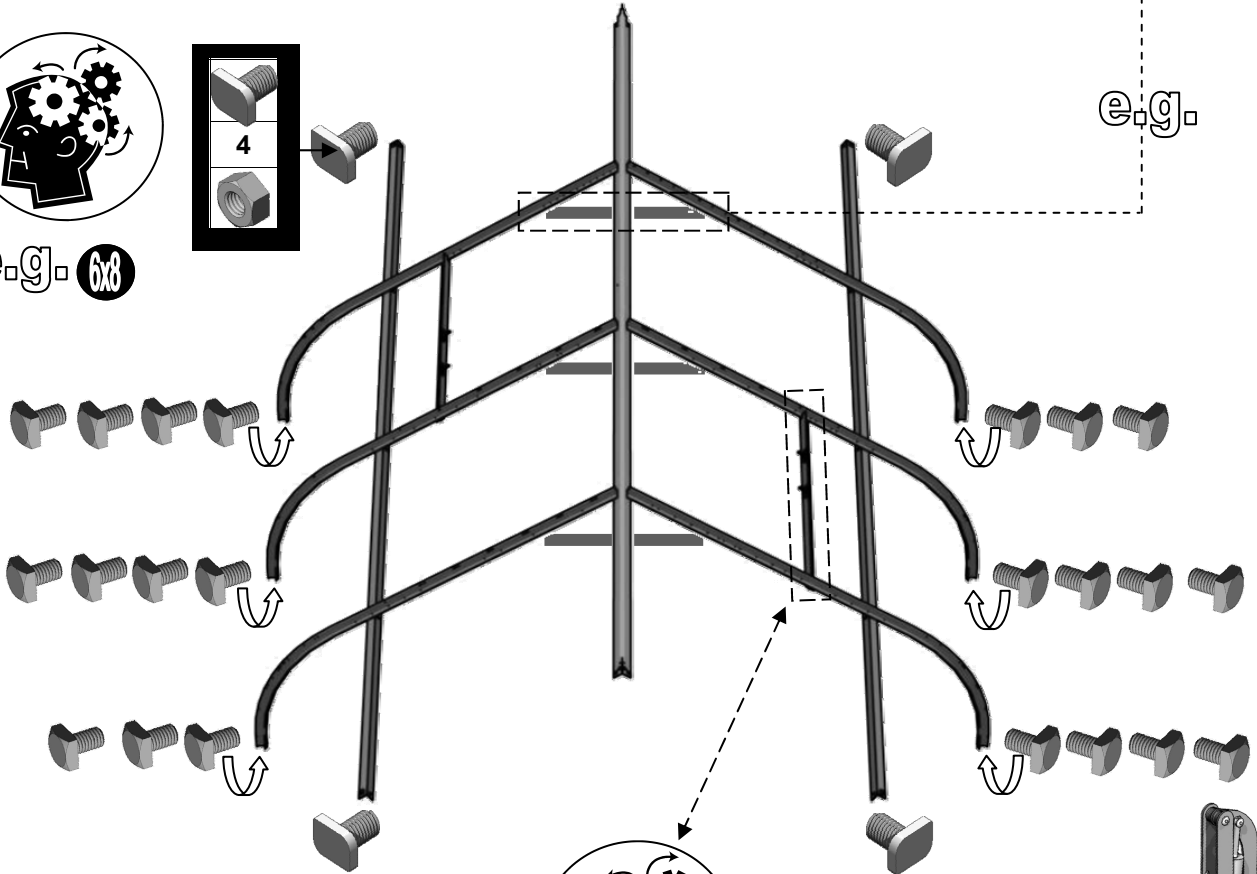
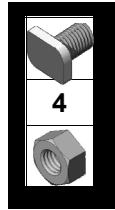


10'	Part No	mm	Quantity
	6	3100	1
	93	636	3
	113	1388	8
	103	3100	2
	1046	375	4

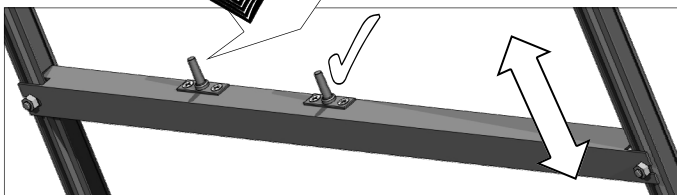
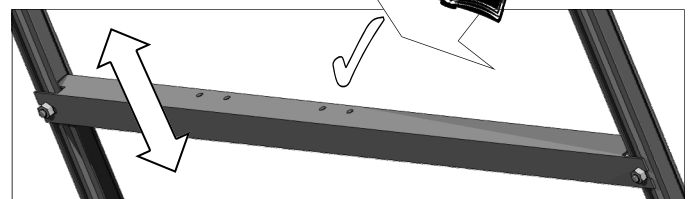
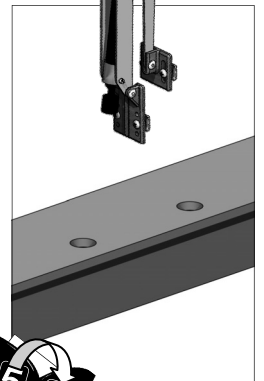
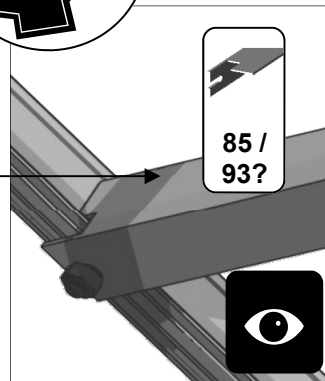
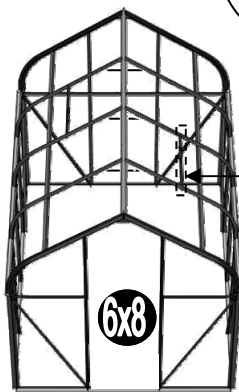
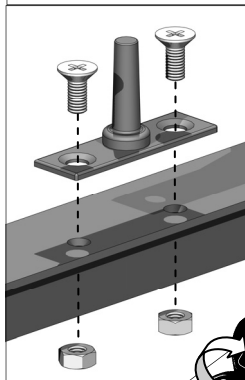
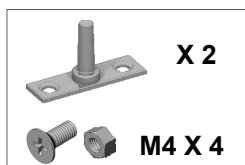
12'	Part No	mm	Quantity
	2	3720	1
	93	636	4
	113	1388	10
	104	3720	2
	1046	375	5



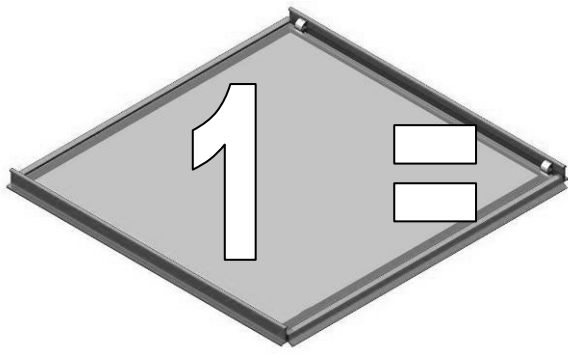
e.g. 6x8



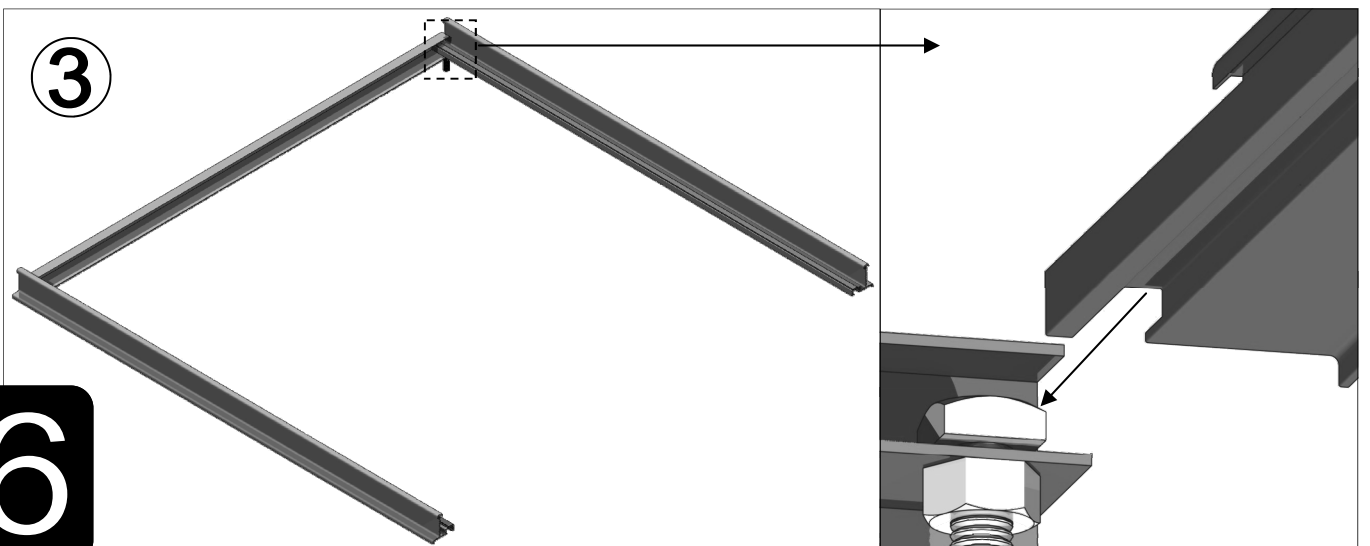
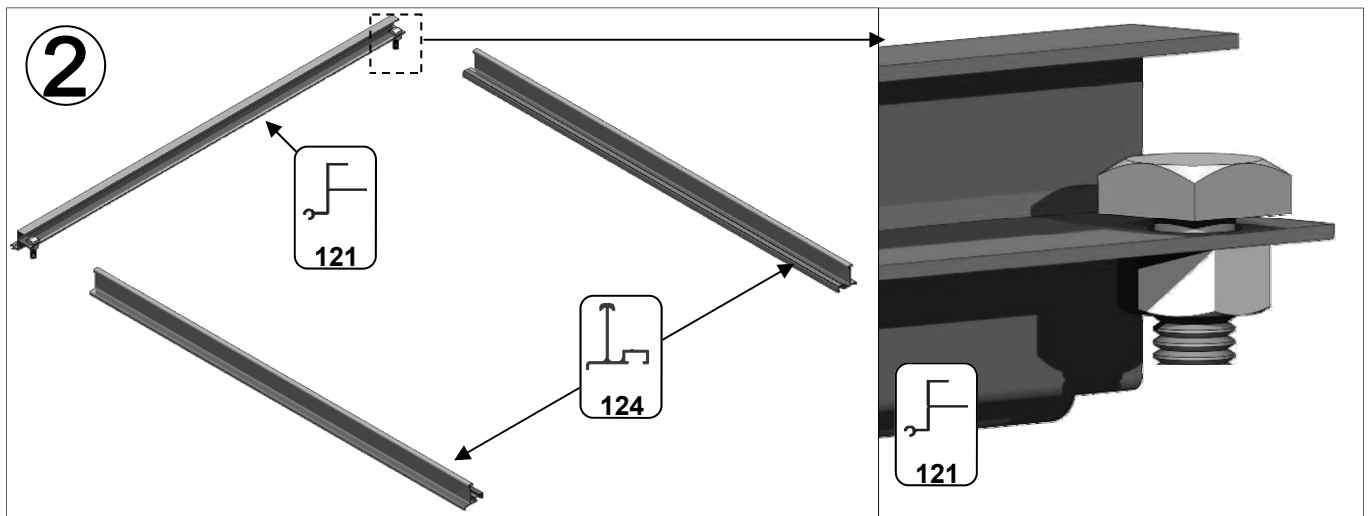
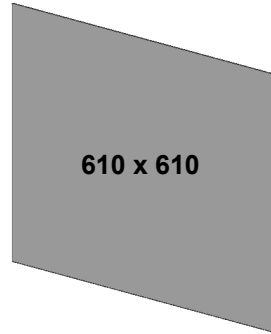
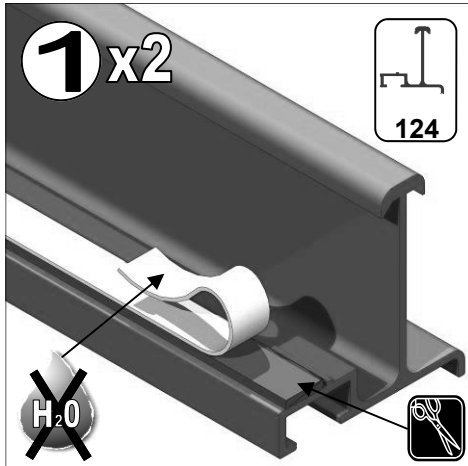
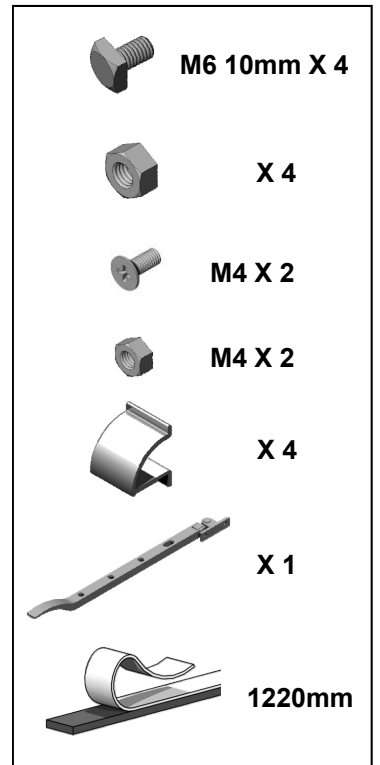
OPTIONAL

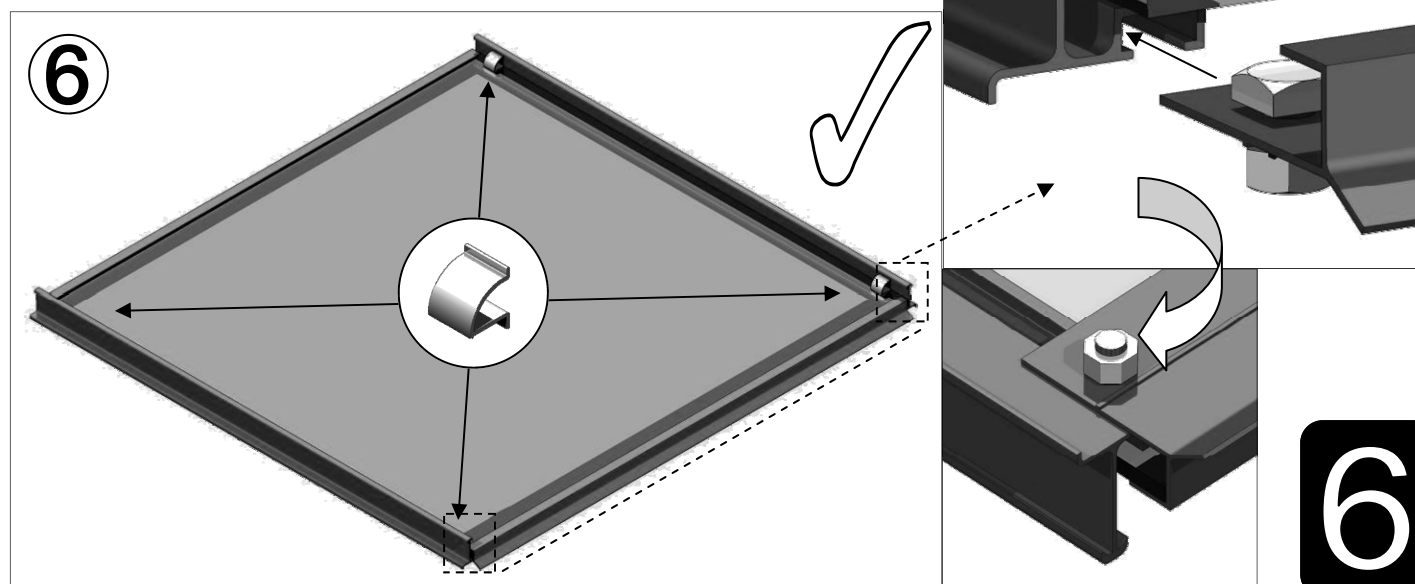
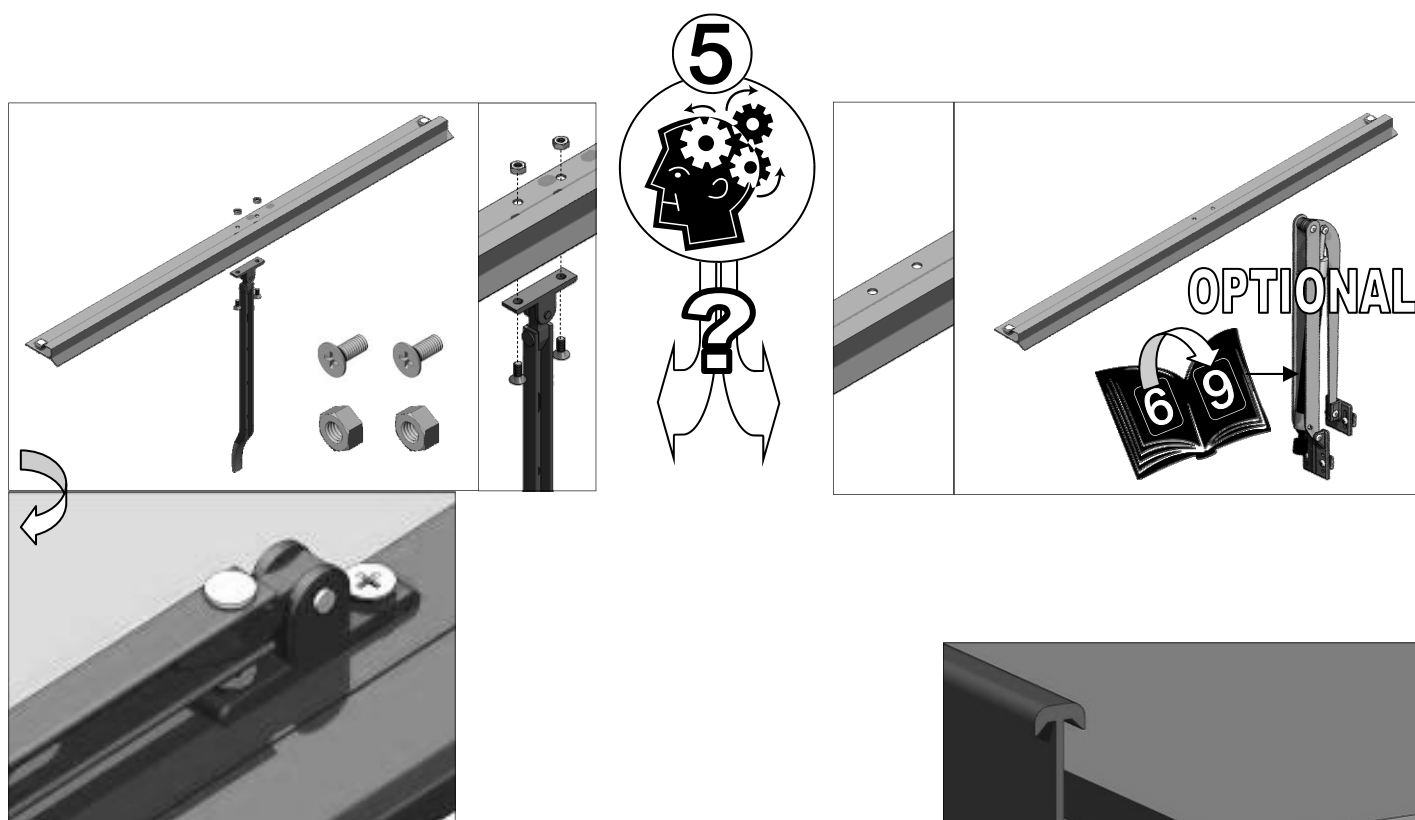
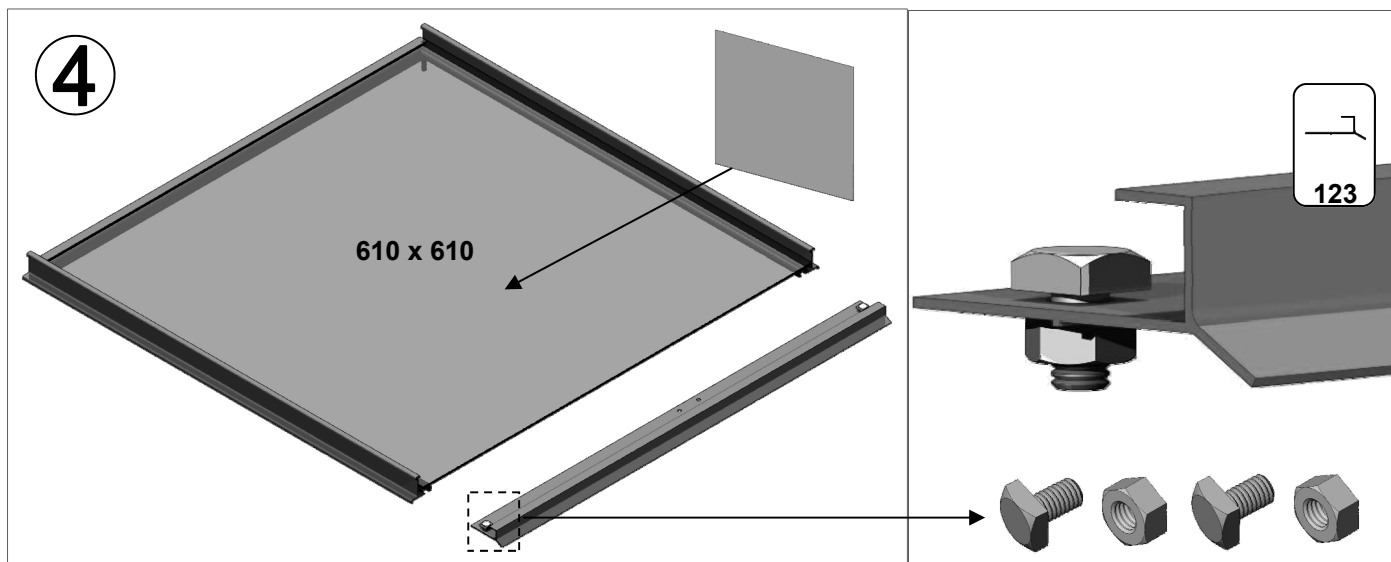


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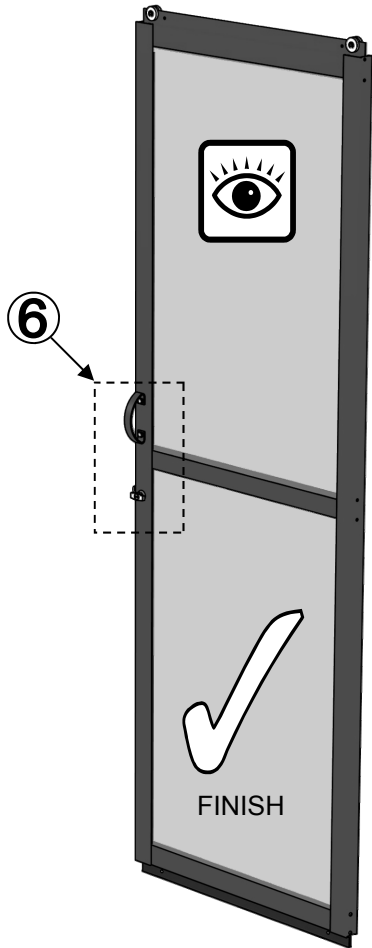
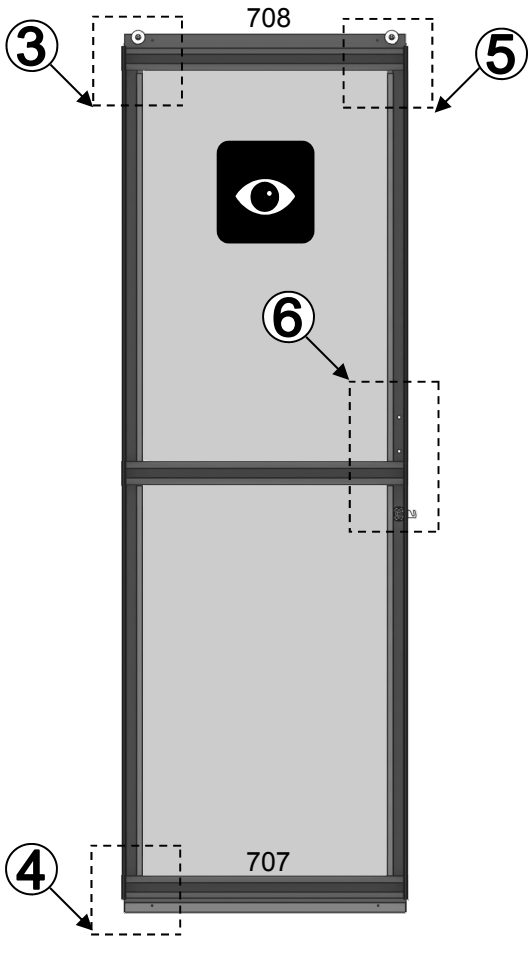
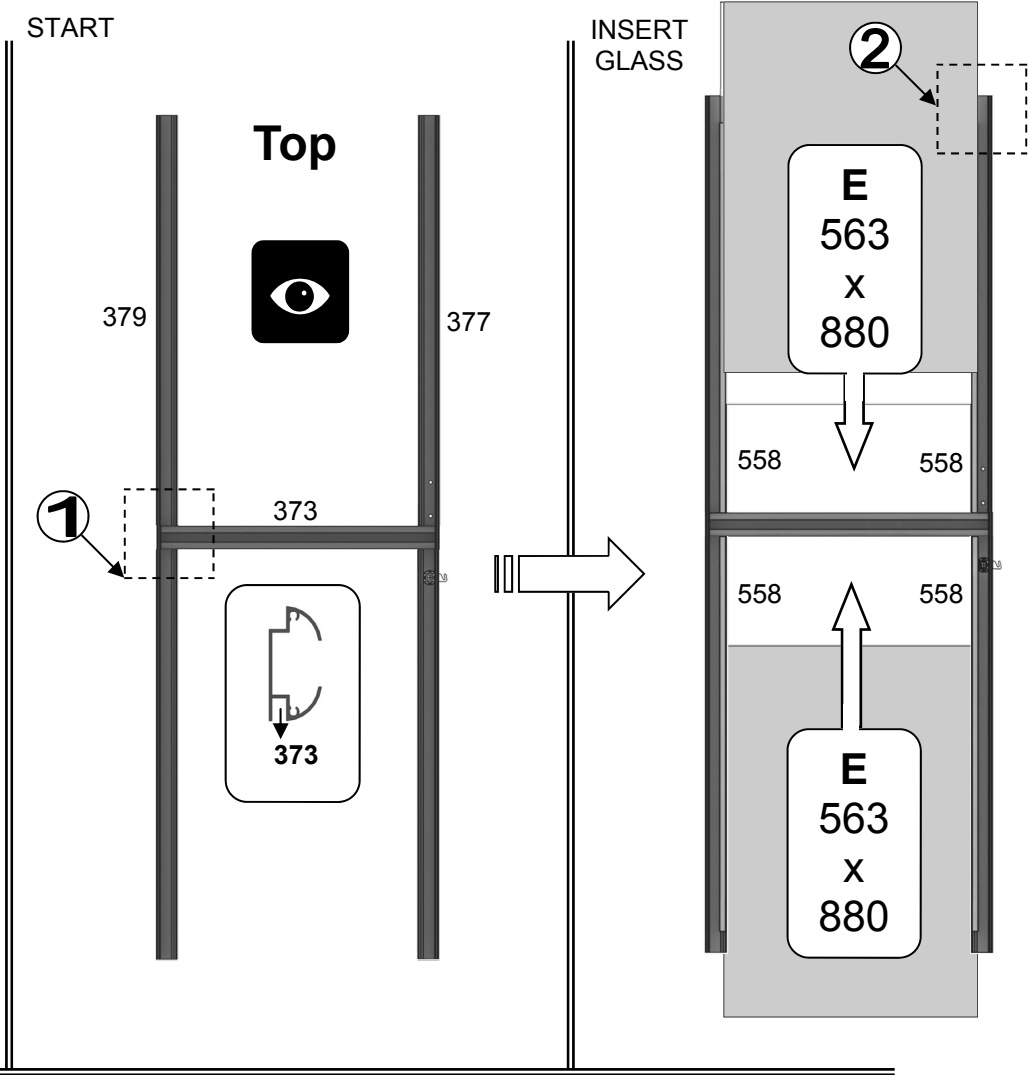
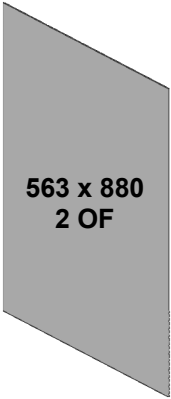


Part No	mm	Quantity
121	636	1
123	610	1
124	610	2

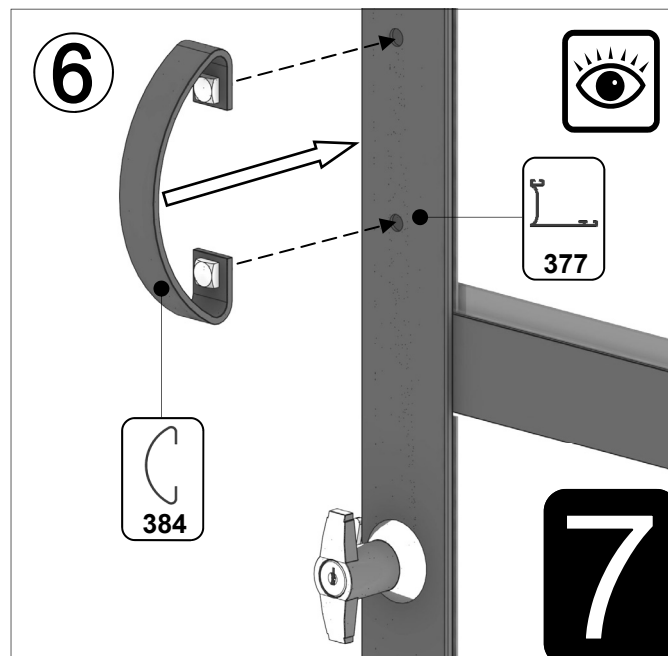
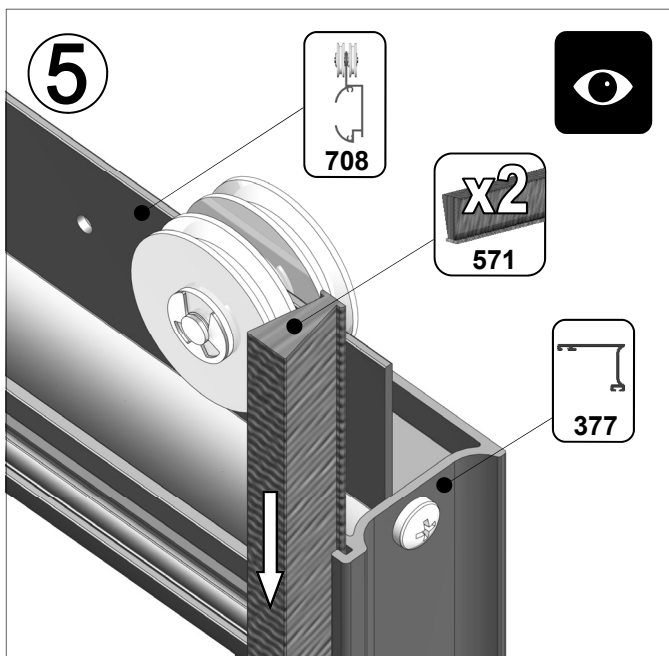
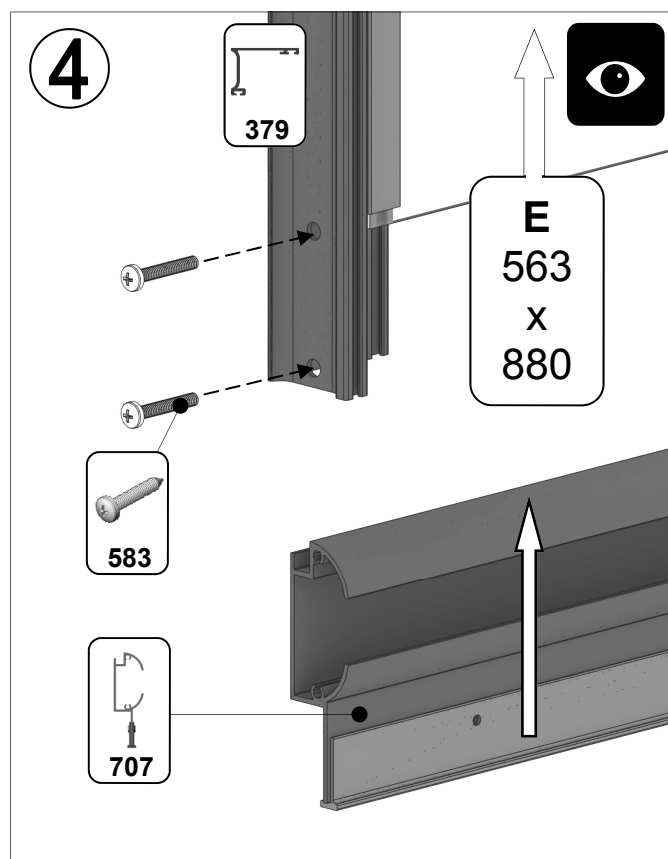
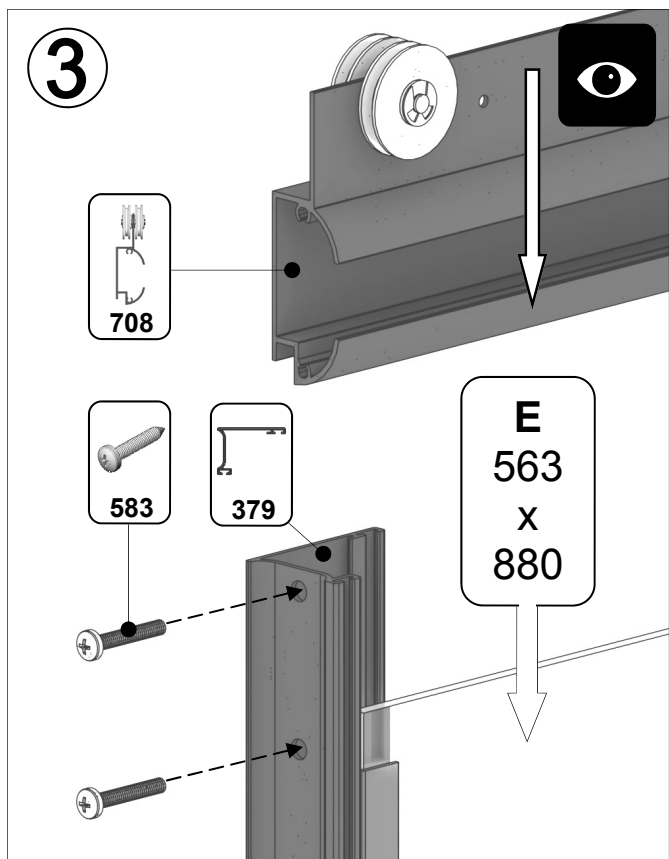
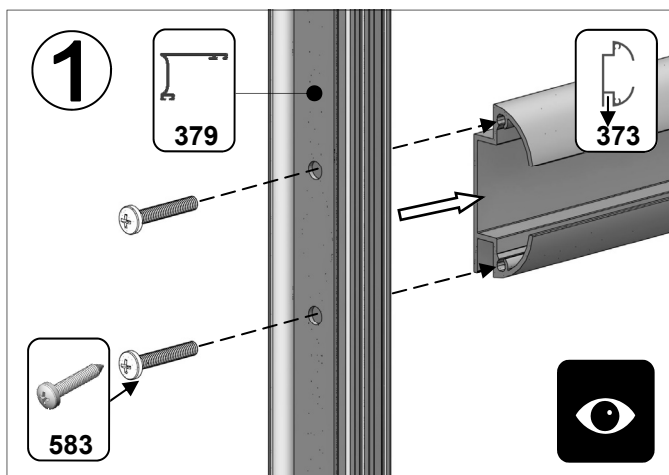


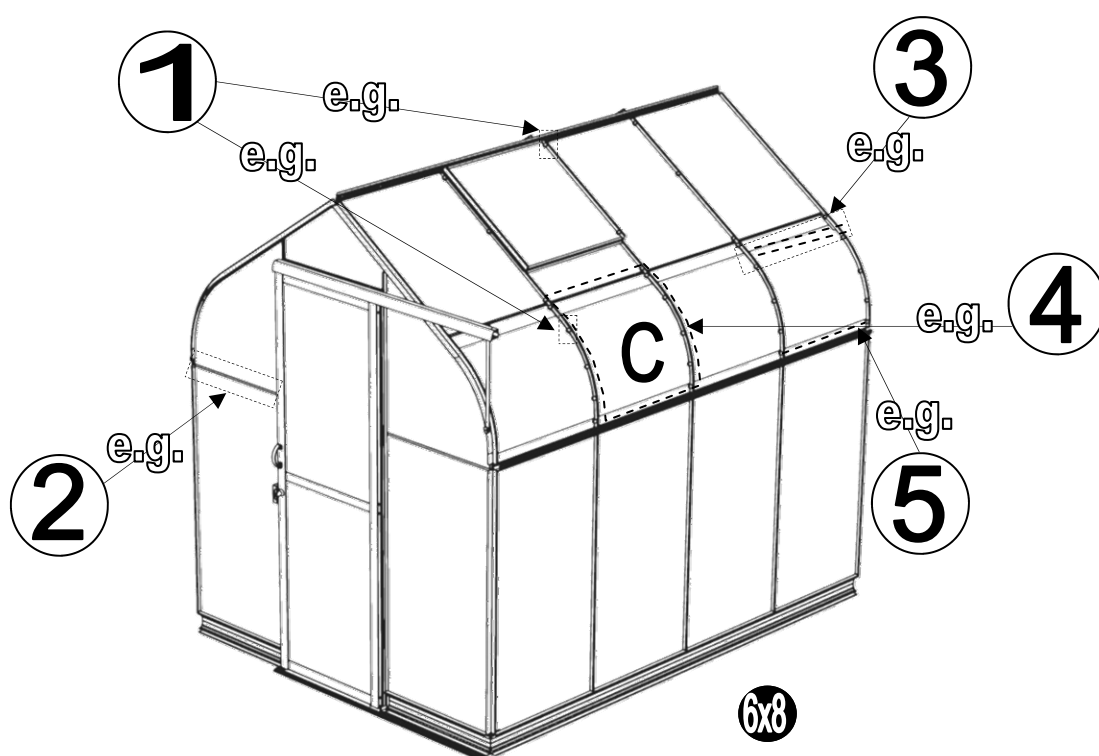
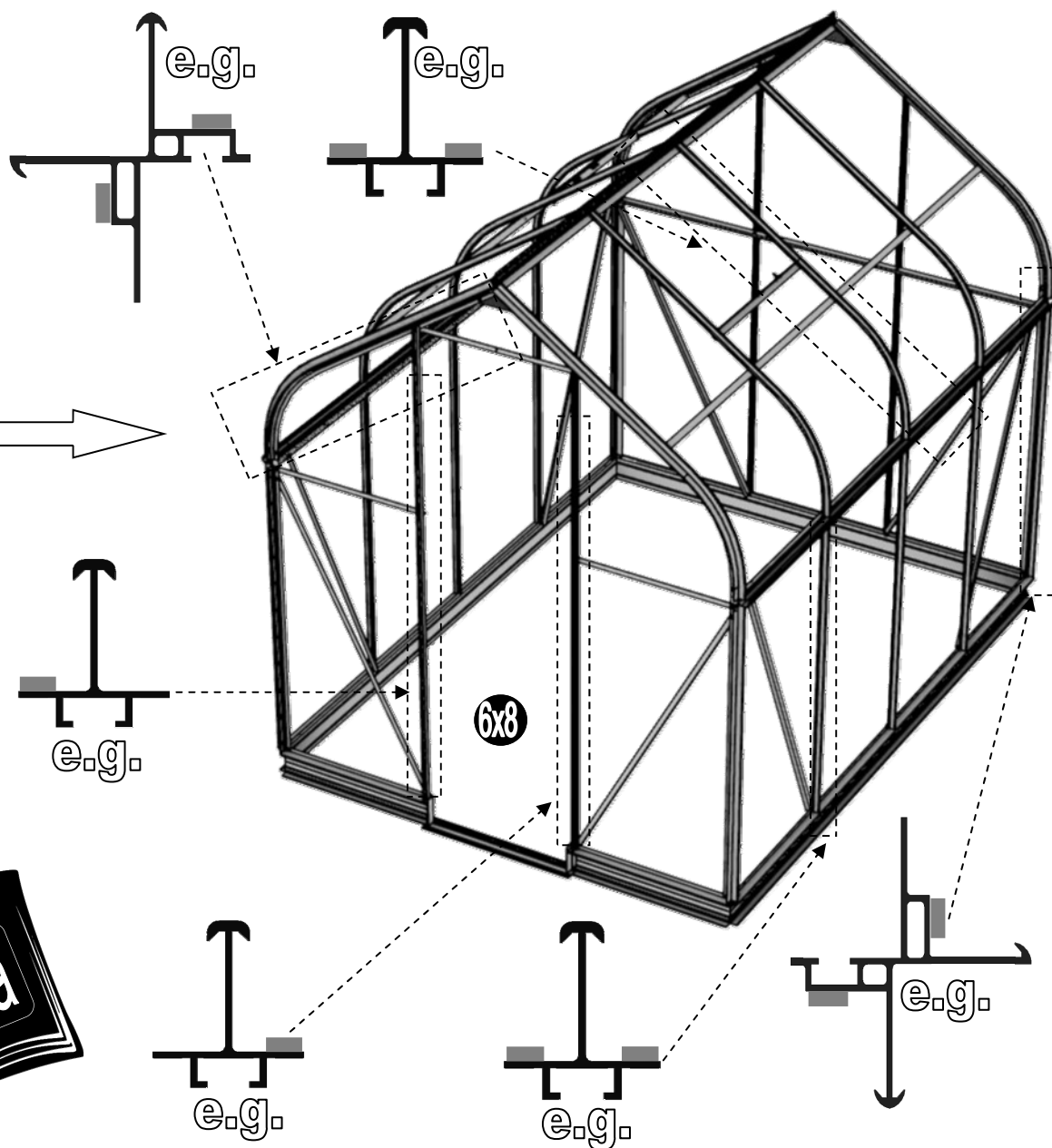


Part No	mm	Quantity
707	618	1
708	618	1
373	618	1
377	1880	1
379	1880	1
384		1
558		4
571		1
583		12
SYBOLM6X11		2
SYNUTM6		2

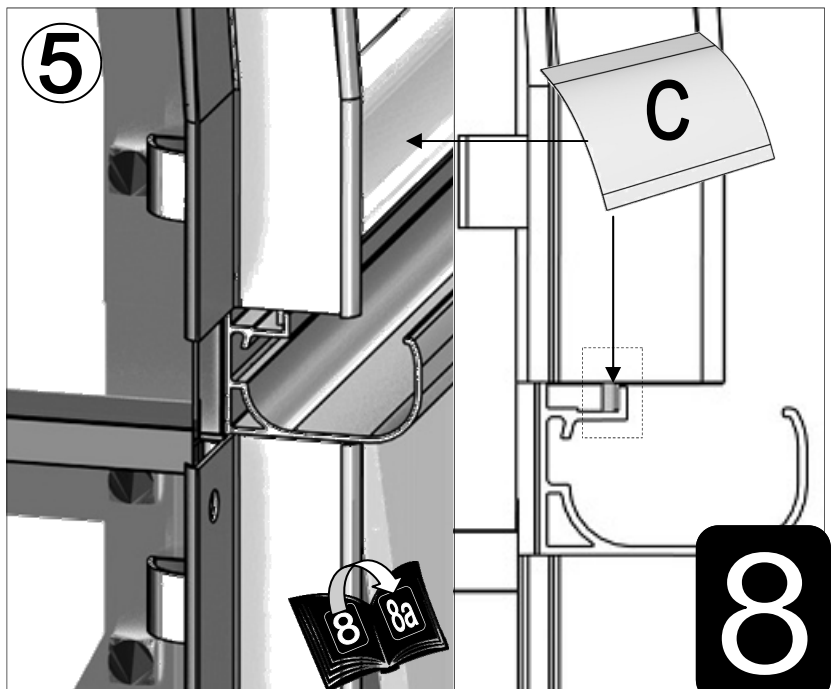
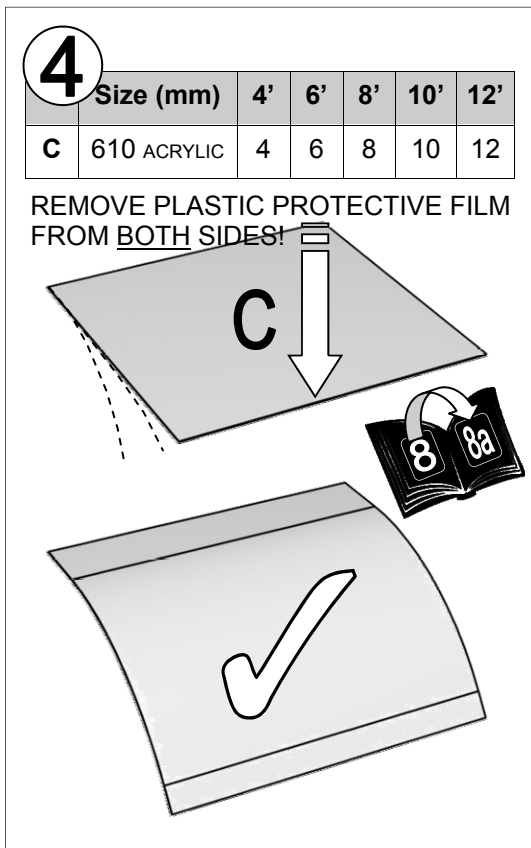
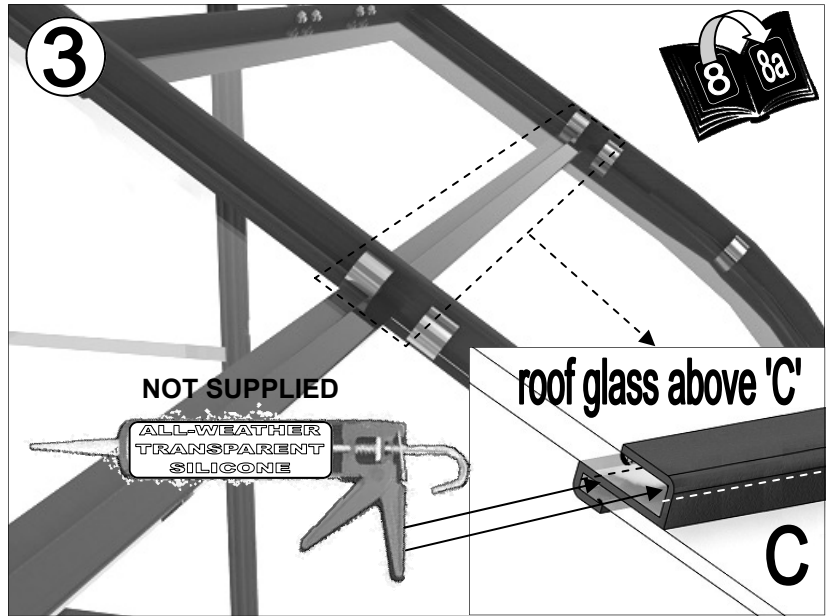
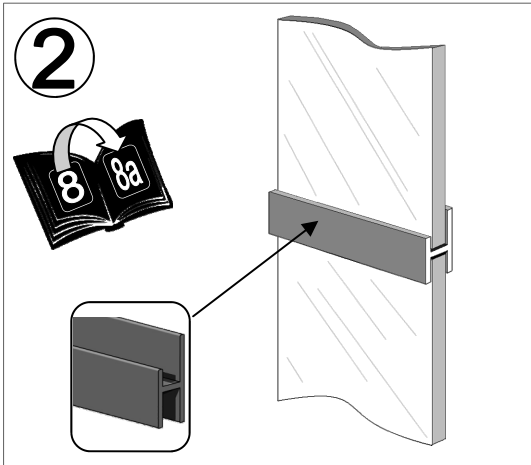
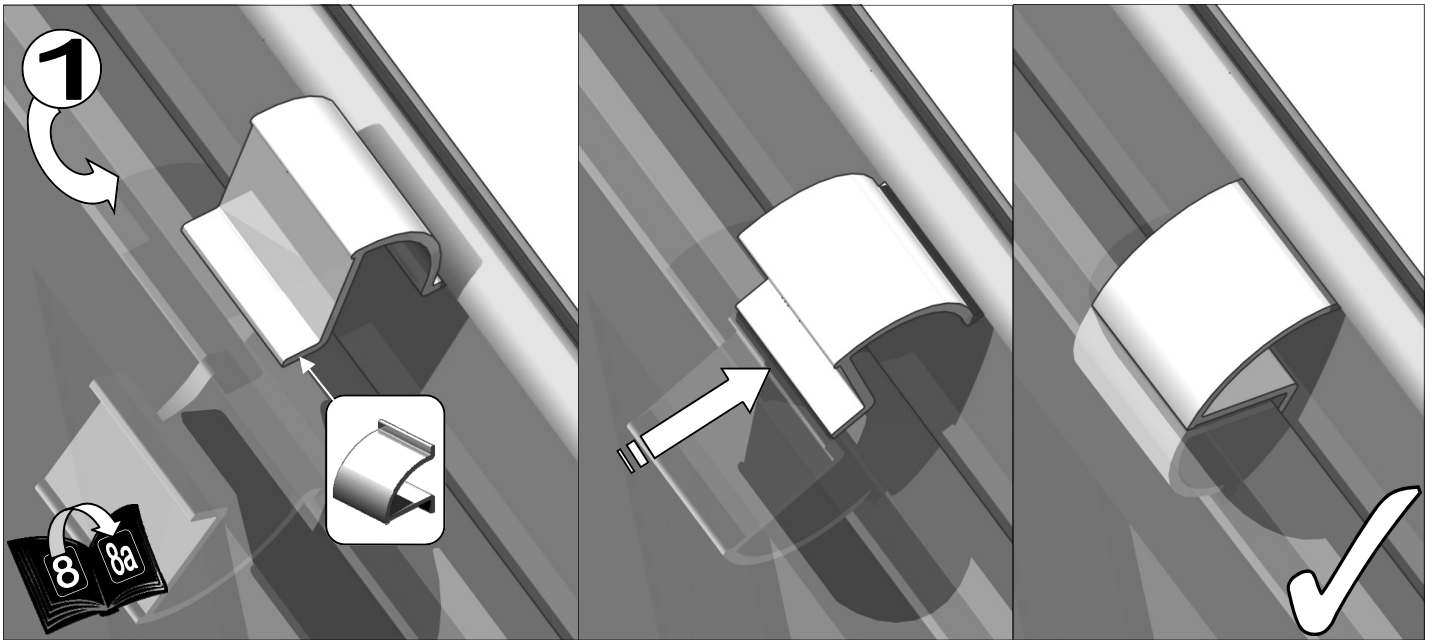


7



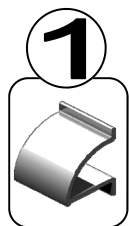


8





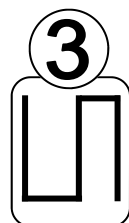
6x8



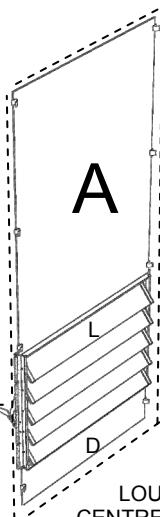
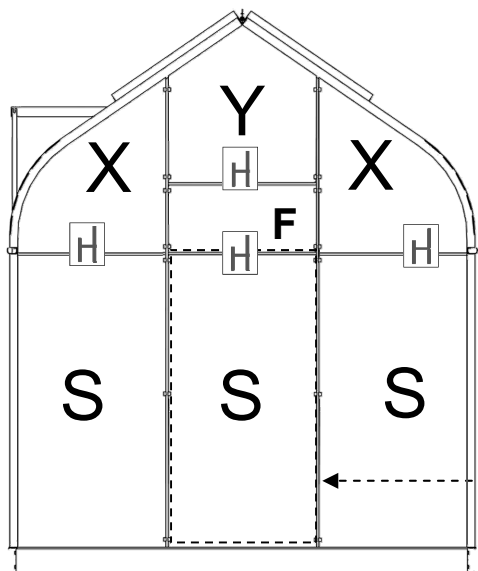
e.g.



e.g.



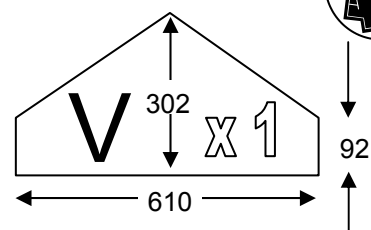
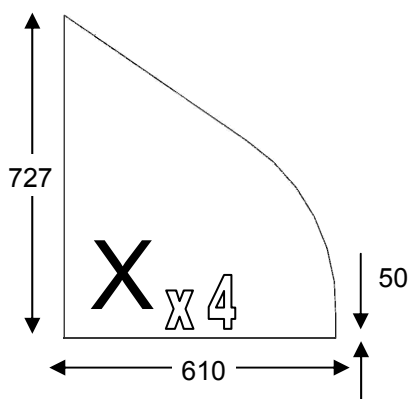
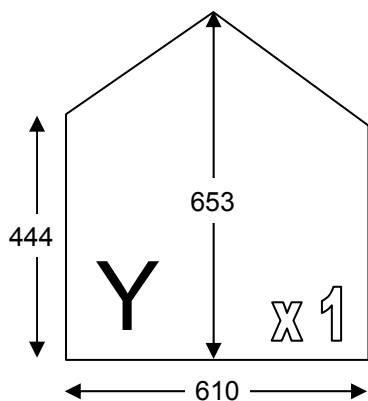
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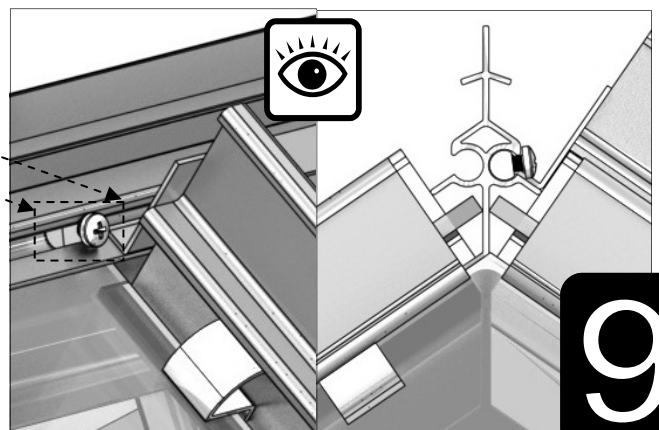
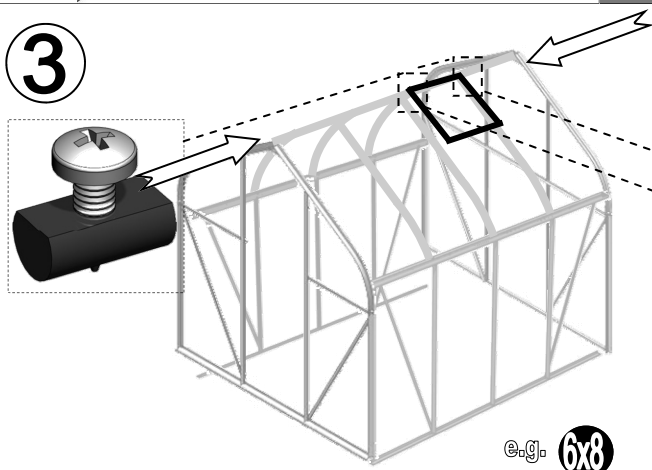
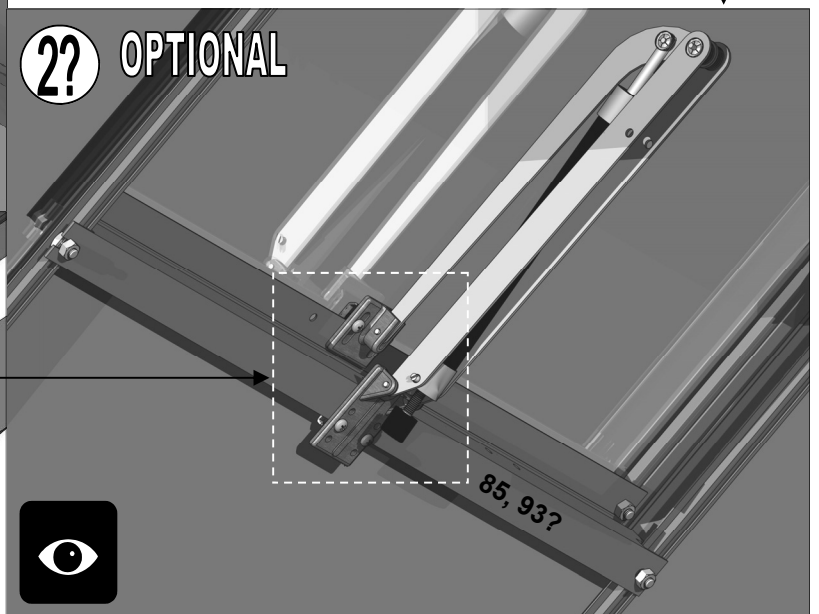
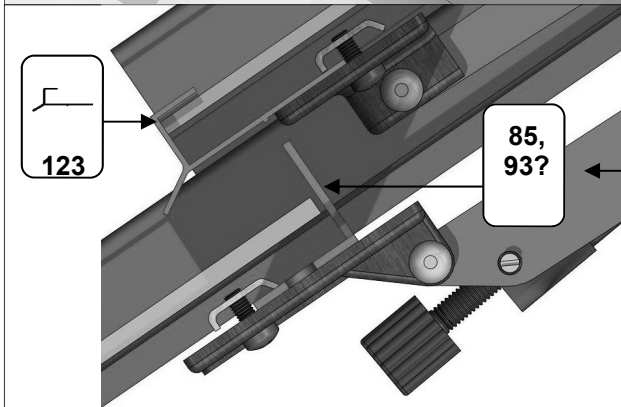
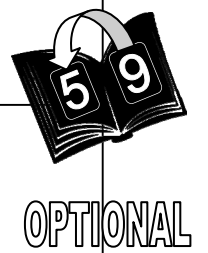
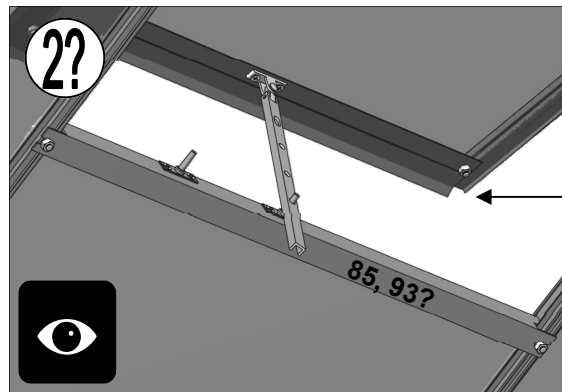
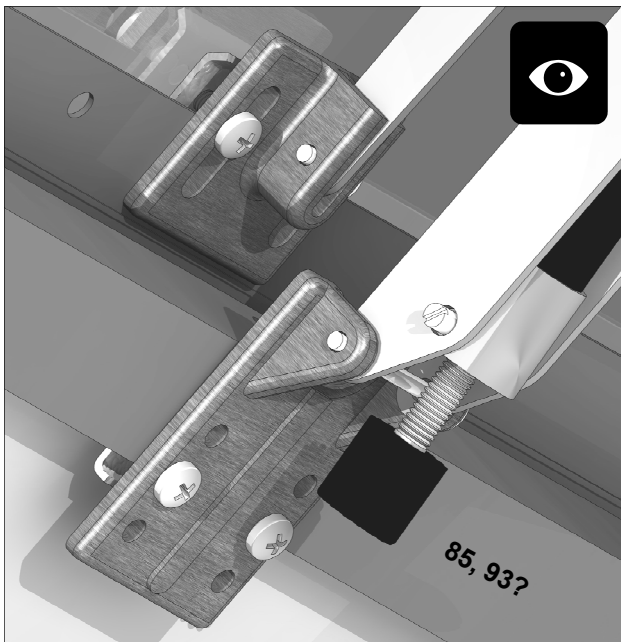
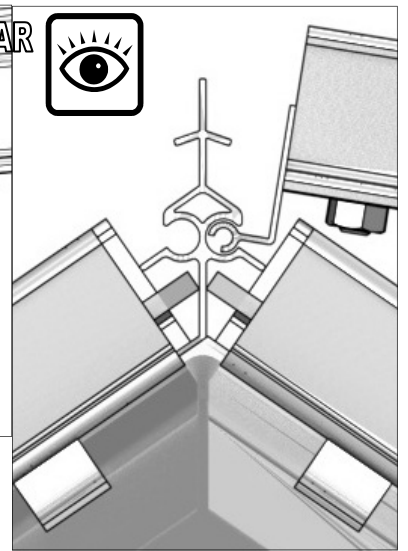
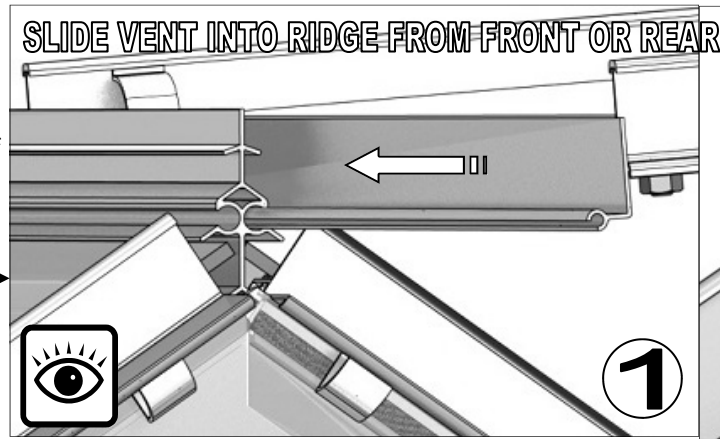
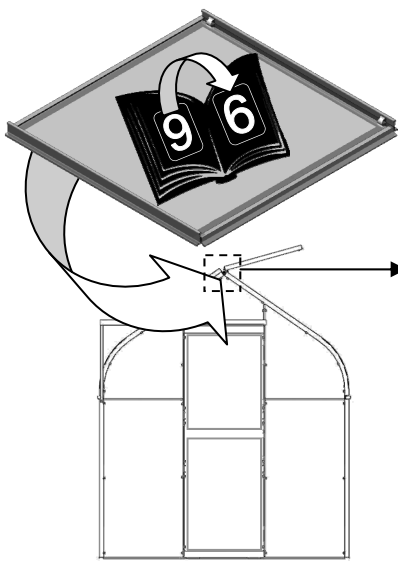


LOUVRE MUST GO BACK
CENTRE ON THE 6X4 MODEL

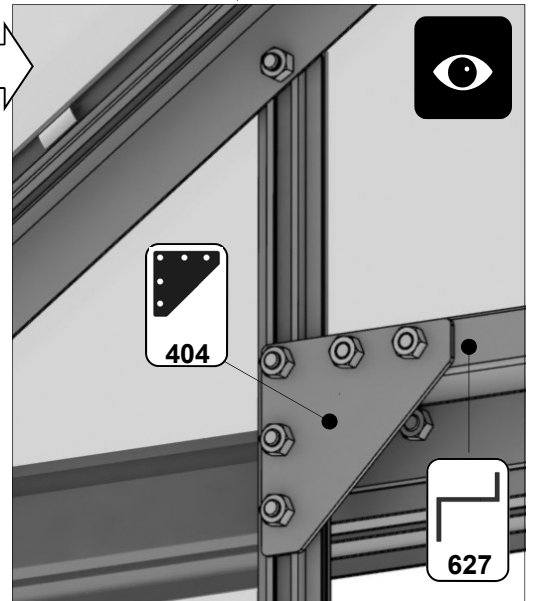
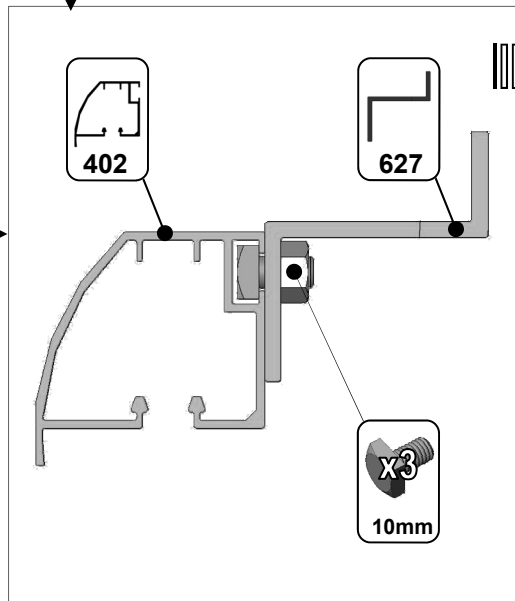
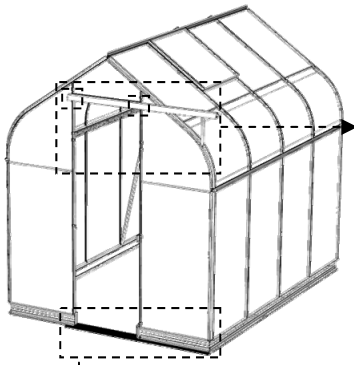
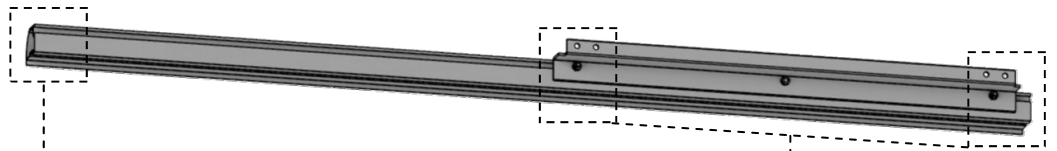


A	610 x 610	1
D	610 x 153	1
L	573 x 100	5

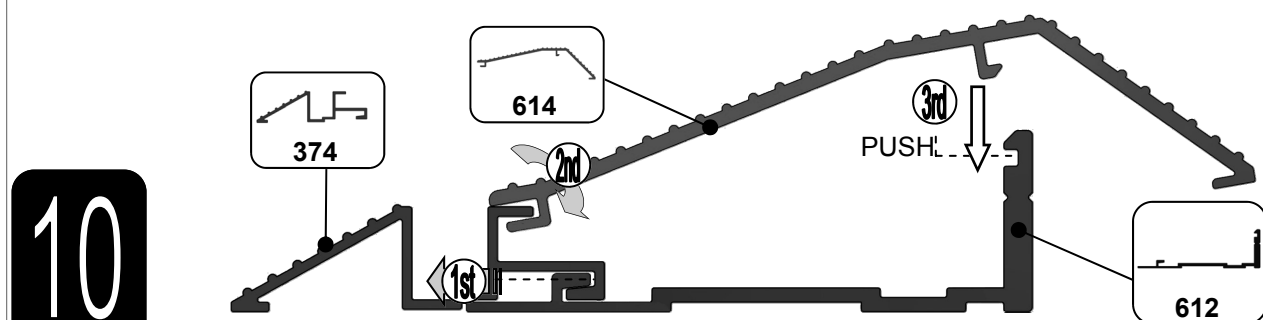
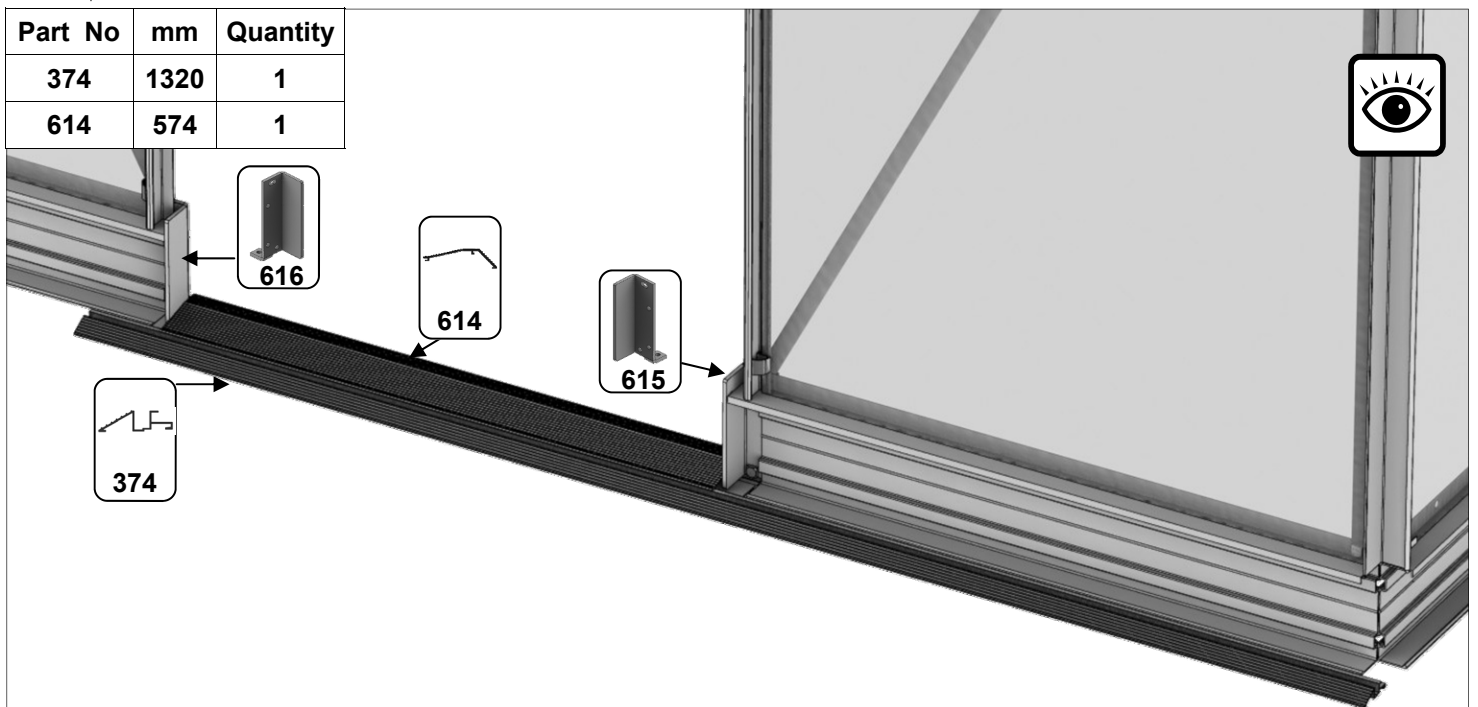




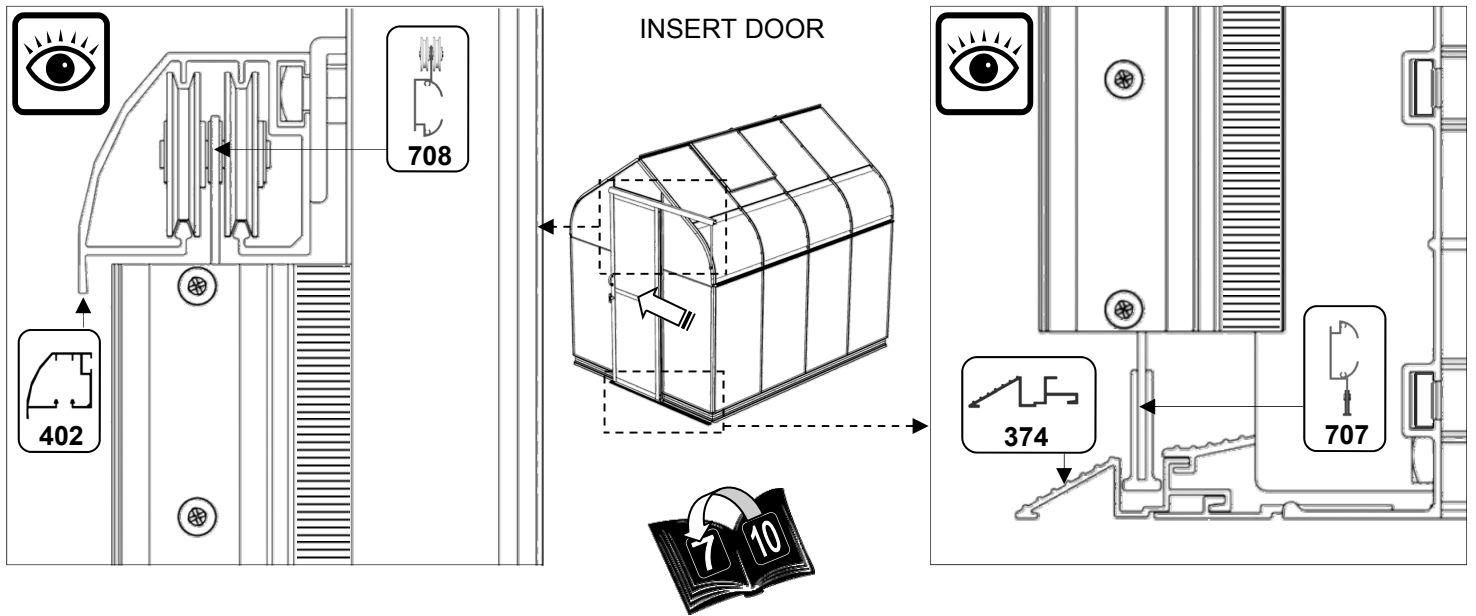
Part No	mm	Quantity
402	1320	1
627	612	1
SYBOLM6X11		7
SYNUTM6		7



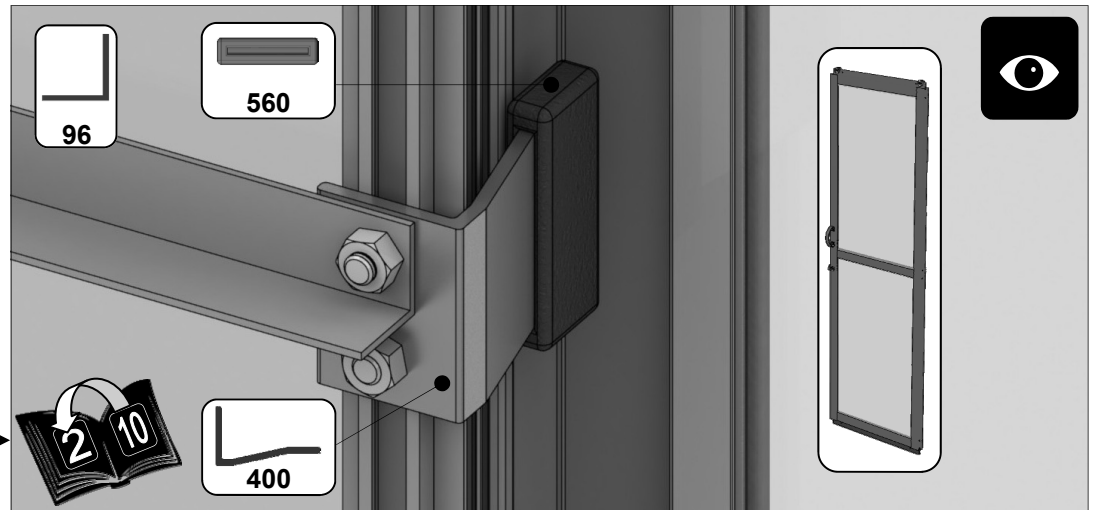
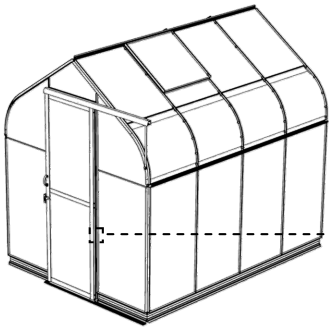
Part No	mm	Quantity
374	1320	1
614	574	1



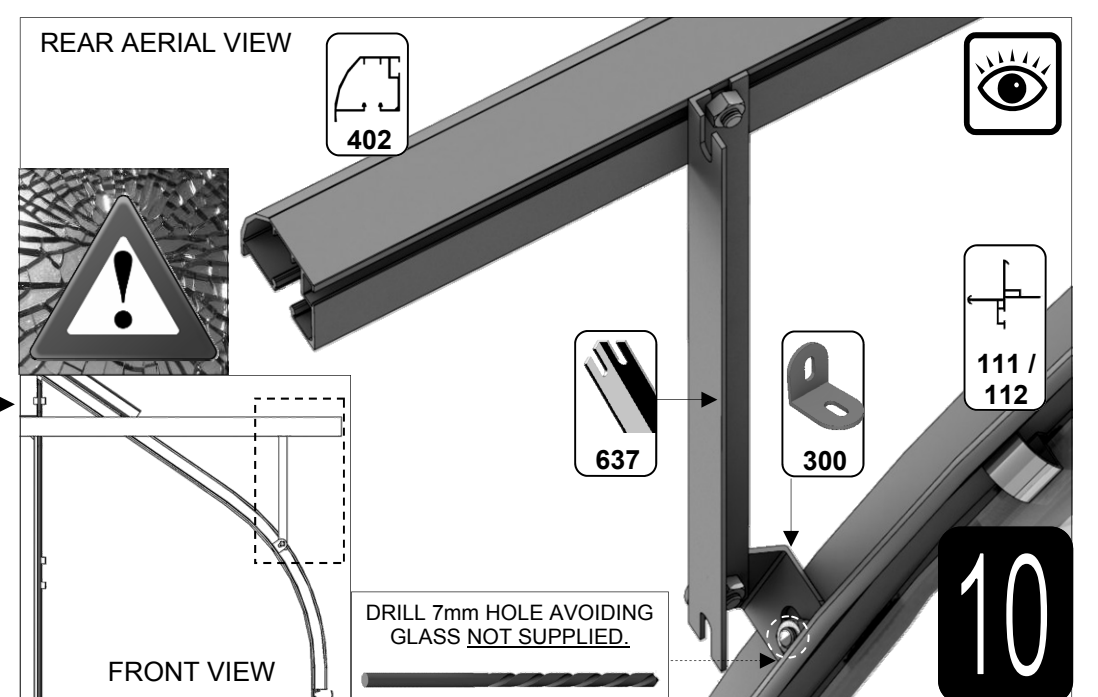
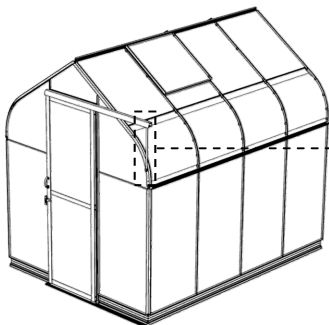
10



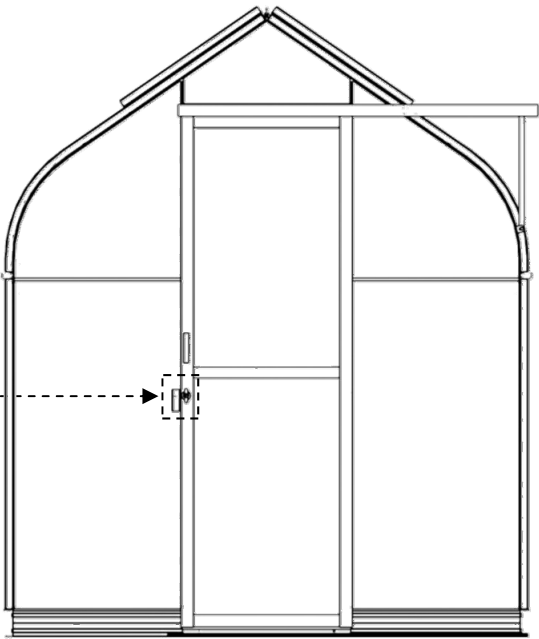
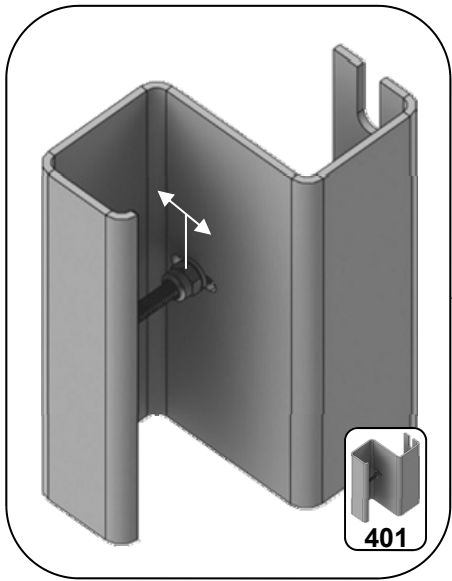
Part No	mm	Quantity
400	n/a	1
560	n/a	1
SYNUTM6		1



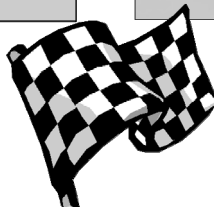
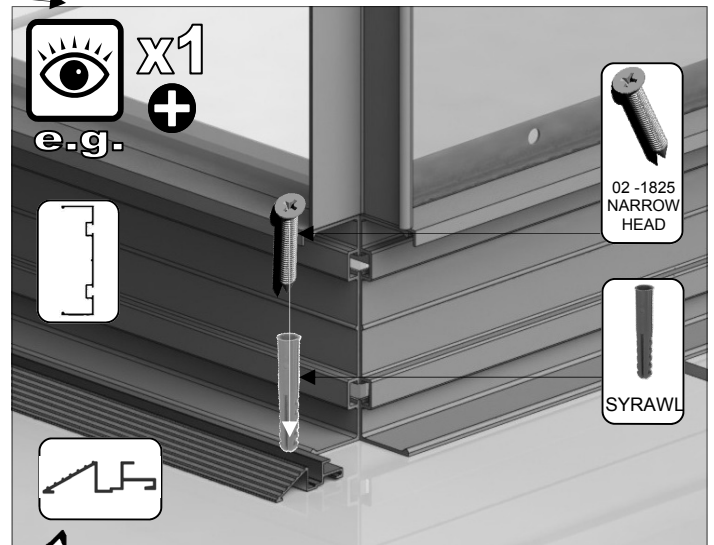
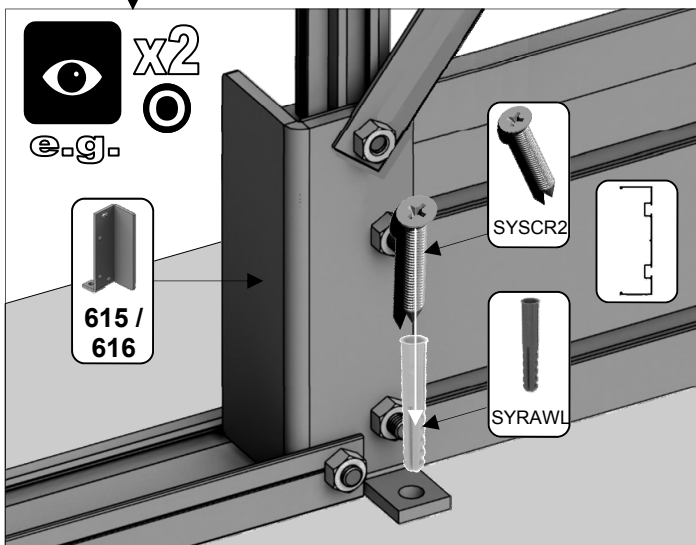
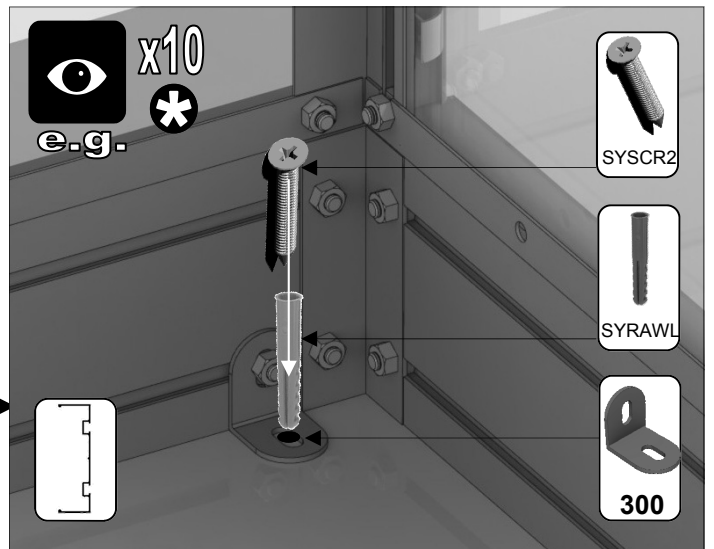
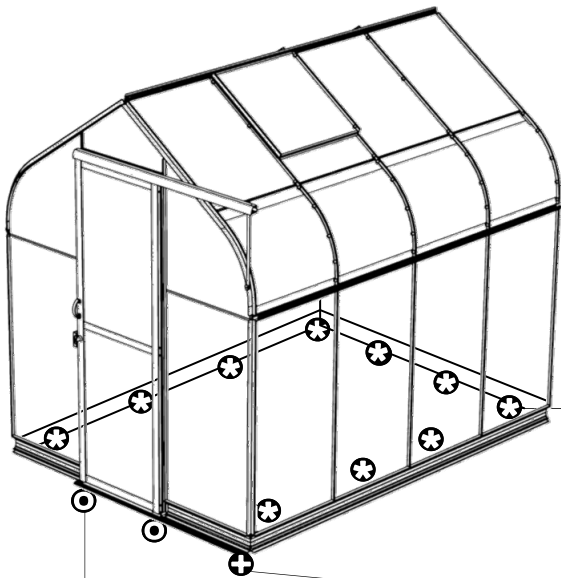
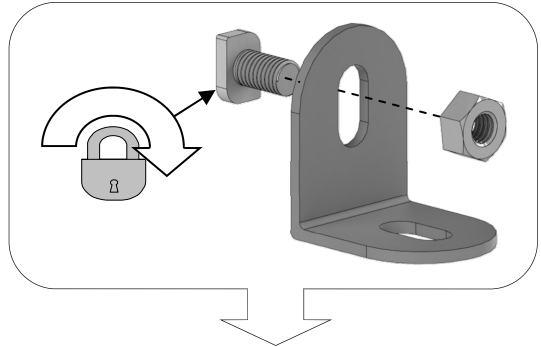
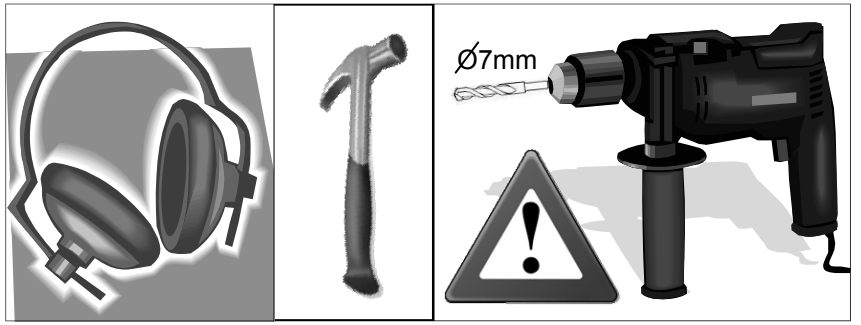
Part No	mm	Quantity
300	n/a	1
637	300	1
SYBOLM6X11		3
SYNUTM6		3



Part No	mm	Quantity
401	N/A	1
SYNUTM6		1



Part No	mm	Quantity
02 -1825 NARROW HEAD		2
SYSCR2		10
SYRAWL		12
300		10
SYBOLM6X11CROP		10
SYNUTM6		10



11

6'Curved PENRITH packing List

No	mm	4'	6'	8'	10'	12'
1	3720					2
2	3720					1
5	3100				2	PACKED SEPERATELY
6	3100				1	
12	2480			1		
17	2480			2		
20	1942	2	2	2	2	2
22	1942	2	2	2	2	2
23	1856	1	1	1	1	1
25	1860		2			
26	1860		1			
30	1210	2	2	2	2	2
31	1210	2	2	2	2	2
32	1210	2	4	6	8	10
39	1836	1	1	1	1	1
49	1314	4	6	6	6	6
49A	1314	2	2	2	2	2
55	1240	2				
57	1240	1				
85	628	1				
93	636		1	2	3	4
96	614	4	4	4	4	4

No	mm	4'	6'	8'	10'	12'
100	1240	2				
101	1860		2			
102	2480			2		
103	3100				2	
104	3720					2
105	1240	2				
106	1860		2			
107	2480			2		
108	3100				2	
109	3720					2
111	1384	2	2	2	2	2
112	1384	2	2	2	2	2
113	1388	2	4	6	8	10
121	636	1	1	2	3	4
123	612	1	1	2	3	4
124	610	2	2	4	6	8
279	636	2	2	2	2	2
308	638	2	2	2	2	2
1046	375	1	2	3	4	5
		1	1	2	3	4
		45m	60m	75m	75m	90m
		4	6	8	10	12
120						
1 'GAMMA' Single Standard Door Box						
1 smalls pack for correct size of building						
1 drop door smalls pack CASMA1						