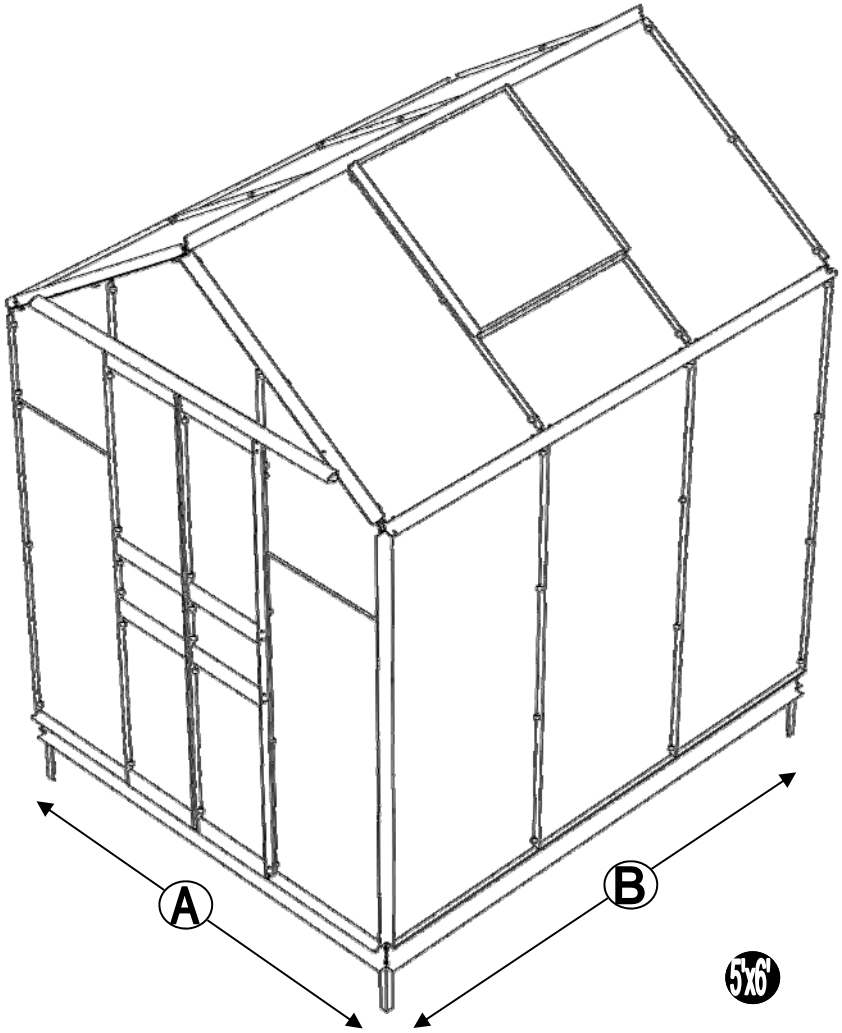
5 HE

SYSTF

5X4, 5X6, 5X8, 5X10, 5X12



	A (mm)	B (mm)
5’3” x 4’3”	1606	1295
5’3” x 6’3”		1910
5’3” x 8’3”		2530
5’3” x 10’4”		3150
5’3” x 12’4”		3770

Issue 3.4

GB 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**,**1**-sides, **2**-front gable, **3**-rear, **4**-joining the four sides together, **5**-roof, **6**-vent, **7**-door, **8**-glazing(**8a** toughened glass, **8b** horticultural glass, **8c** polycarbonate glazing when available), **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.

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

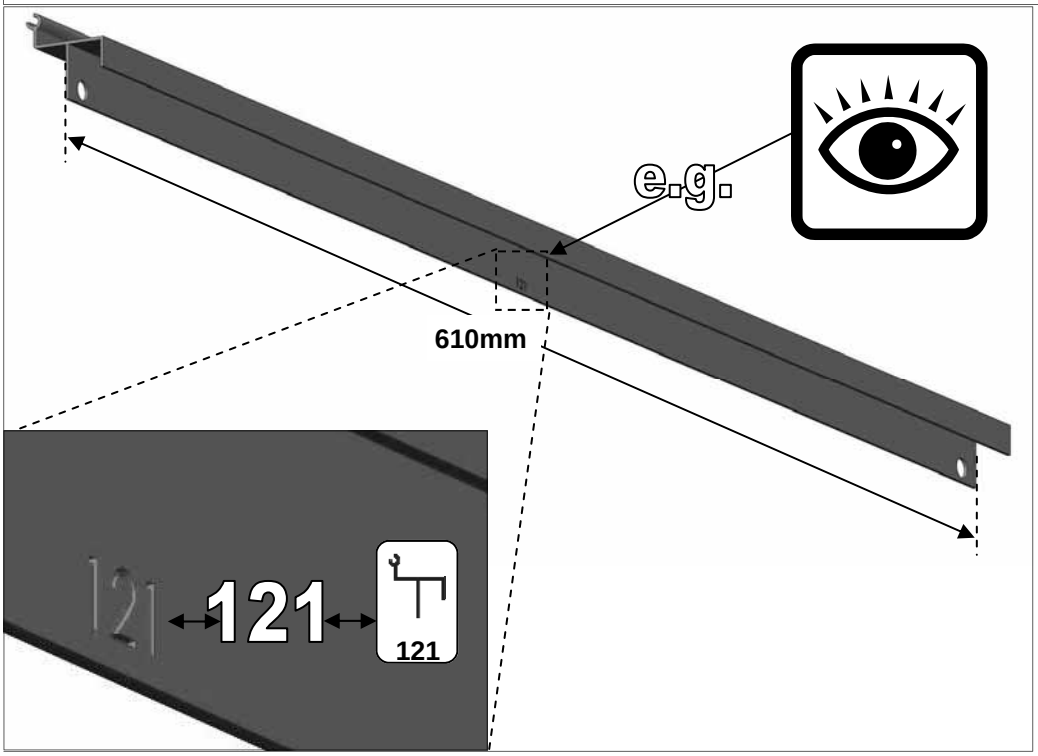
- When selecting a site for your greenhouse, it is vital that you choose as flat and level an area as possible.
- A concrete or slabbed base will provide the most solid foundation for your greenhouse.
- IMPORTANT: Do **not** fix your building down until the building is fully assembled, including glazing.
- 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 stamp or removable label. Alternatively, the components can be identified by lengths detailed in the packing list (see diagram below).
- 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.

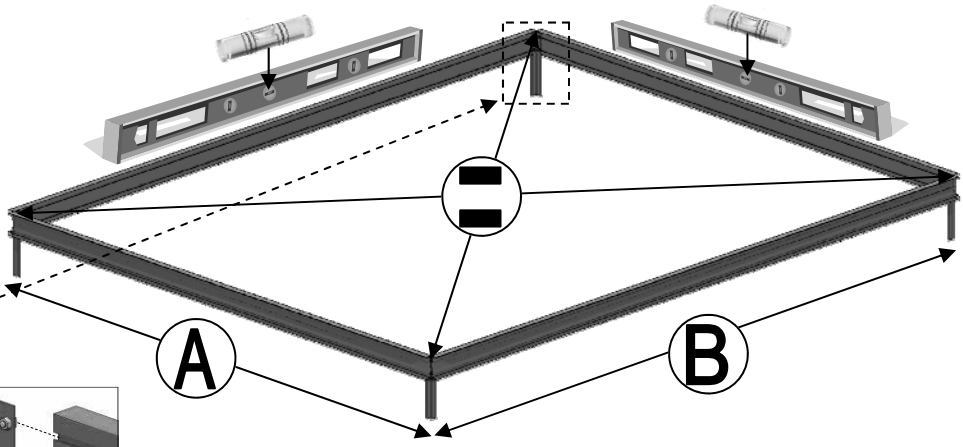
Guarantee

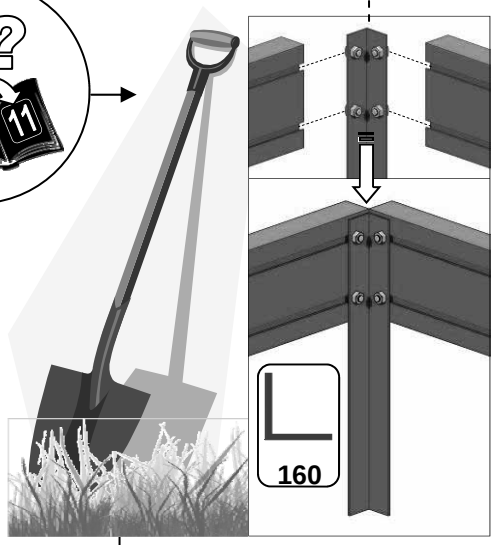
- Your new greenhouse is guaranteed for 10 years against faulty manufacture of the framework. This does not include glazing, moving parts, accidental damage or wind damage.



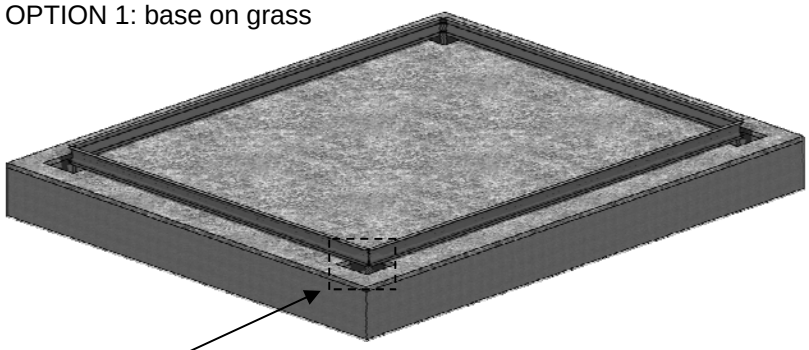
KEY SYMBOL	KEY DESCRIPTION
	LOOK
	THINK / CHOOSE?
	THIS SECTION RELATES TO ANOTHER (e.g. 1 to 5)
	CORRECT
	DO NOT FIX DOWN!
	TWIST TO LOCK
	TIGHTEN
	DO NOT WET!

	A (mm)	B (mm)
5'3" x 4'3"	1606	1295
5'3" x 6'3"		1910
5'3" x 8'3"		2530
5'3" x 10'4"		3150
5'3" x 12'4"		3770

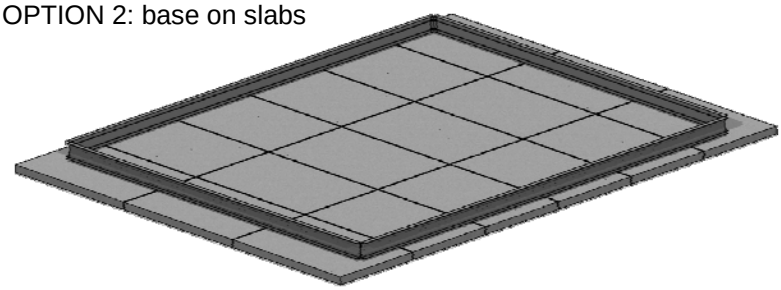


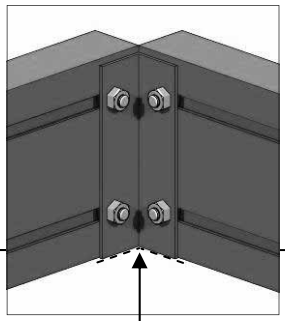


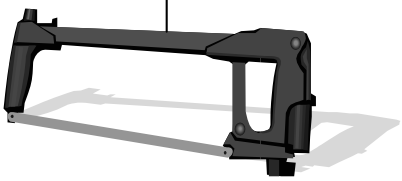
OPTION 1: base on grass



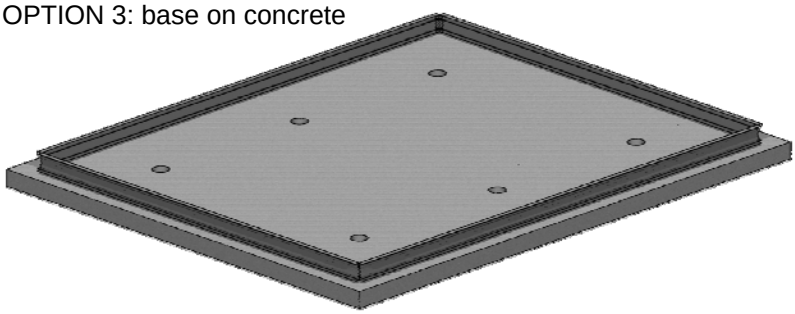
OPTION 2: base on slabs





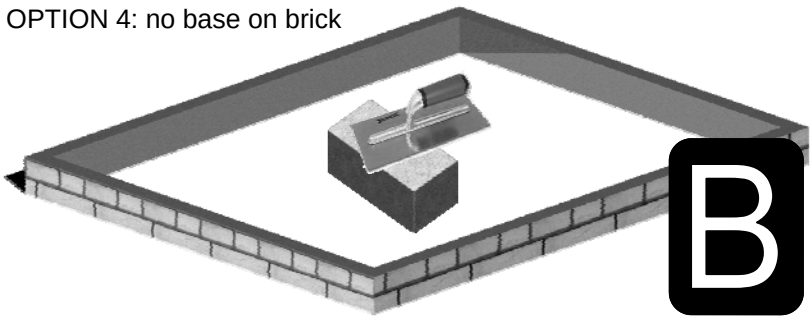


OPTION 3: base on concrete

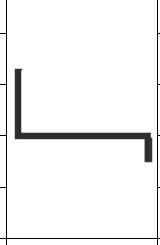
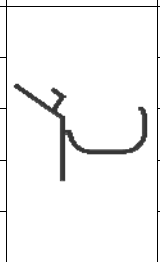


Part No.	Section	Size (mm)	5 4	5 6	5 8	5 10	5 12
SY004		3720					2
SY009		3100				2	
SY015		2480			2		
SY029		1860		2			
SY097		1240	2				
SY099		1548	2				
SY160		280	4				

OPTION 4: no base on brick



5 HE

Page Ref	Part No.	Section	Size (mm)	5 4	5 6	5 8	5 10	5 12
1	1		3720					2
	5		3100				2	
	17		2480			2		
	25		1860		2			
	55		1240	2				
	3		3720					2
	8		3100				2	
	14		2480			2		
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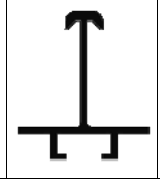
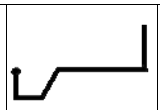
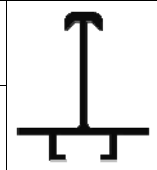
	58		1240	2				
	21		1585	2	4			
	47		1504	2	4	6	8	10
2	173		1548	1				
	170		1836	2				
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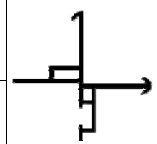
2+	179		916	2				
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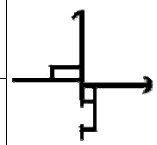
3	76		1504	2				
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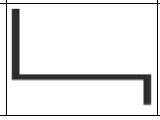
	172		1548	1				

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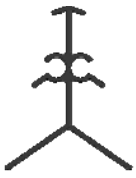
5	2		3720					1
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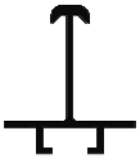
	12		2480			1		
	26		1860		1			
	57		1240	1				
	178		927	2	4	6	8	10
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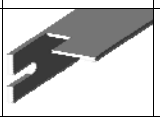
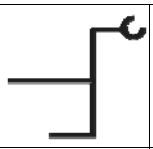
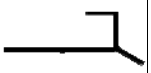
	85 / 93		622 / 636	1	1	2	3	4
6	121		619	1	1	2	3	4
	123		612	1	1	2	3	4
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		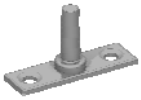		2	2	4	6	8
			M4	6	6	12	18	24
			M6	2	2	4	6	8

Page Ref	Part No.	Section	Size (mm)	5 4	5 6	5 8	5 10	5 12
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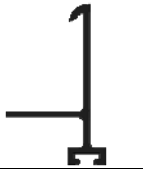
	46		1605	3				
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		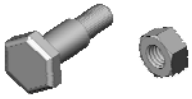		4				
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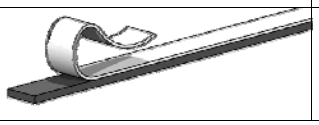
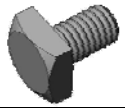
				48 m	57 m	69 m	78 m	87 m
10				2				
			M6	105	120	130	145	155
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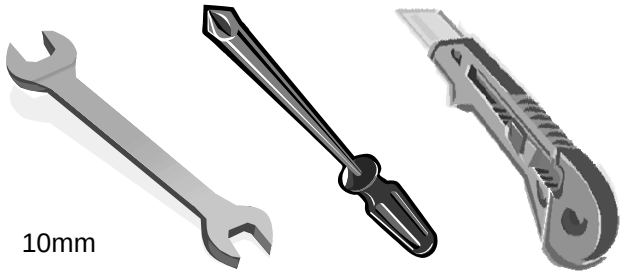
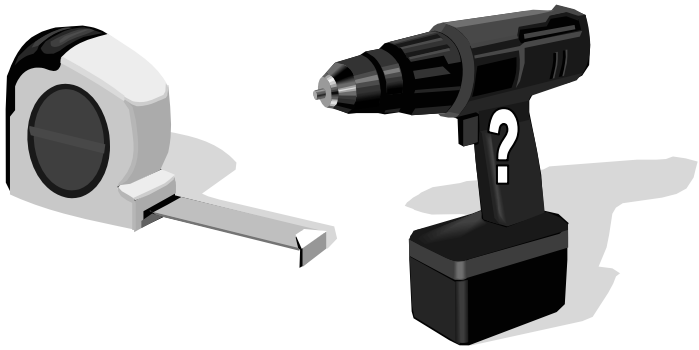
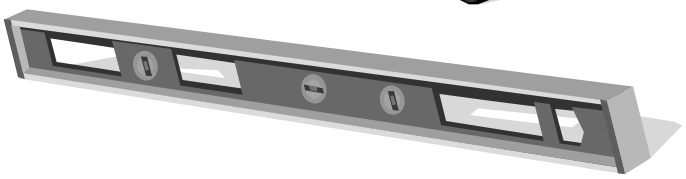
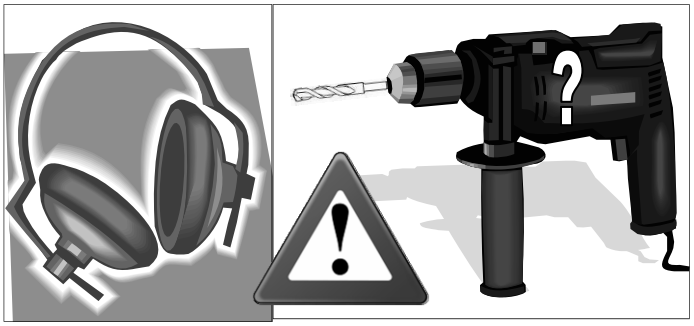
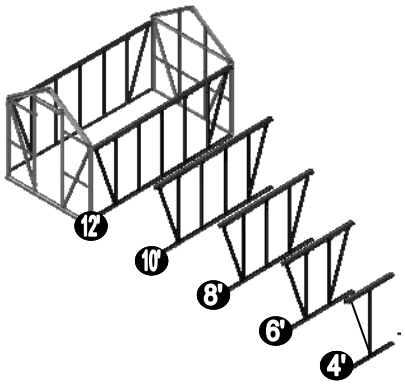
5
HE

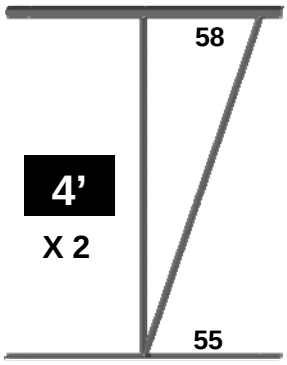












Part No	mm	Quantity
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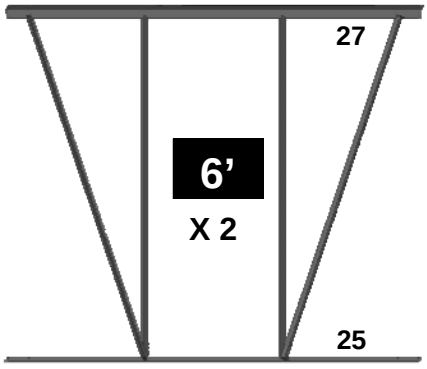
55	1240	2
21	1585	2
M6		6
M6		6



Part No	mm	Quantity
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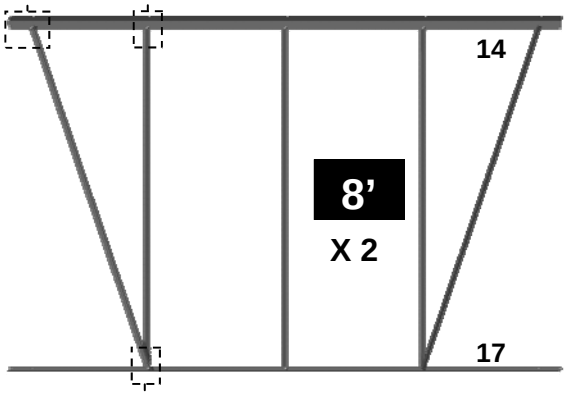
21	1585	4
M6		12
M6		12

e.g.1



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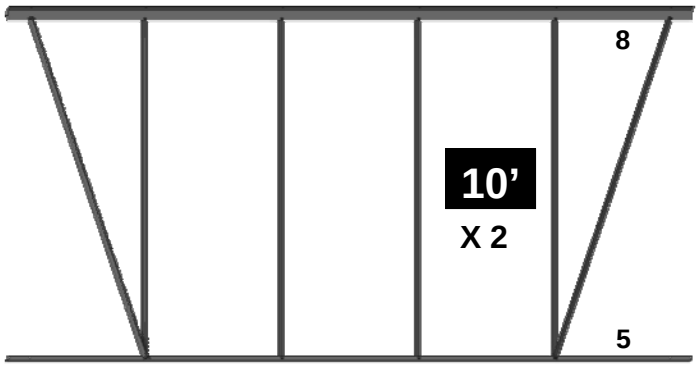
21	1585	4
M6		16
M6		16

e.g.2



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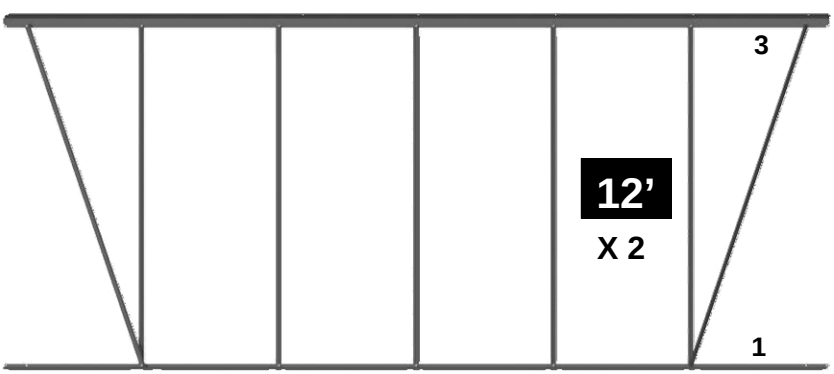
5	3100	2
21	1585	4
M6		20
M6		20



Part No	mm	Quantity
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21	1585	4
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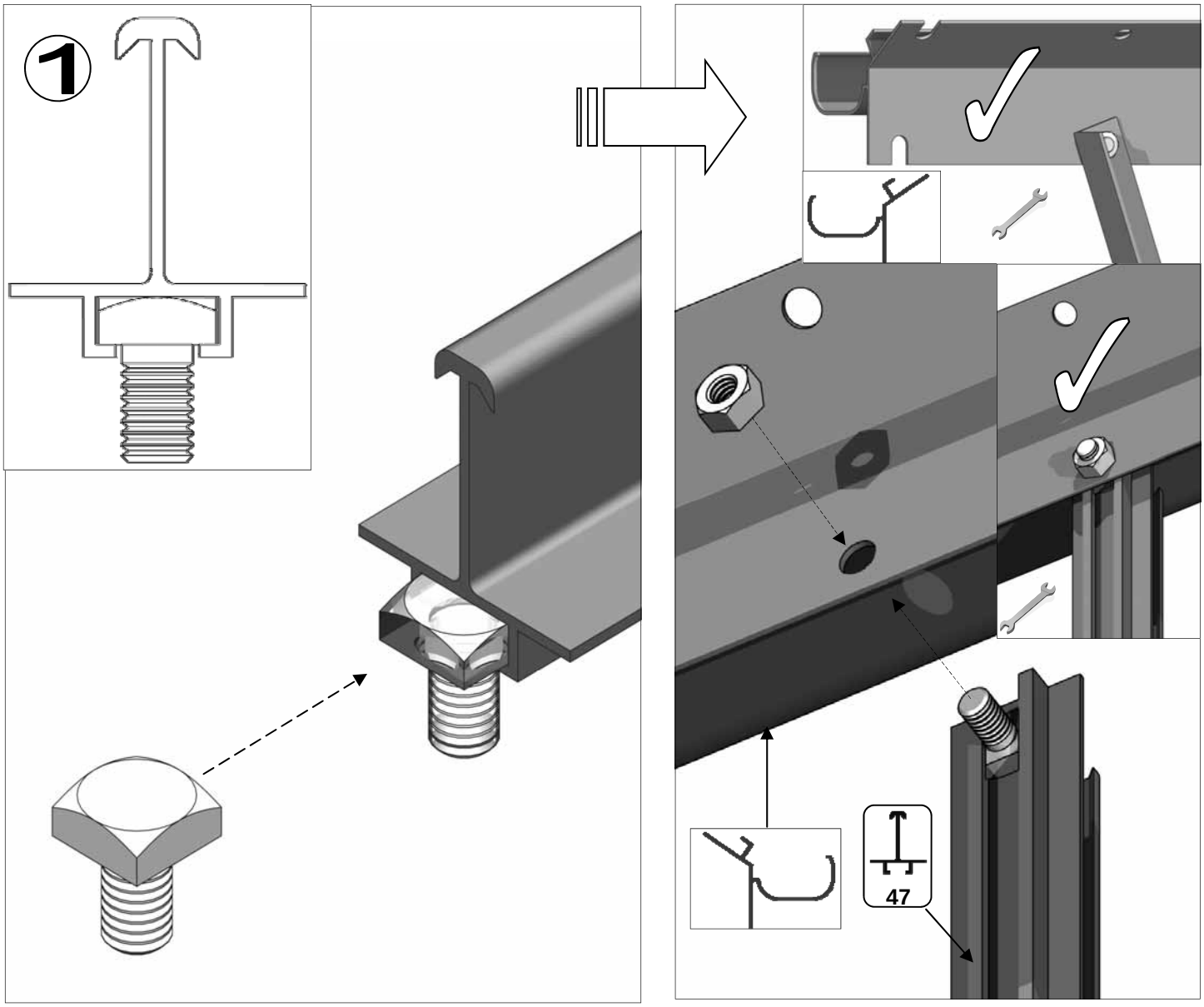
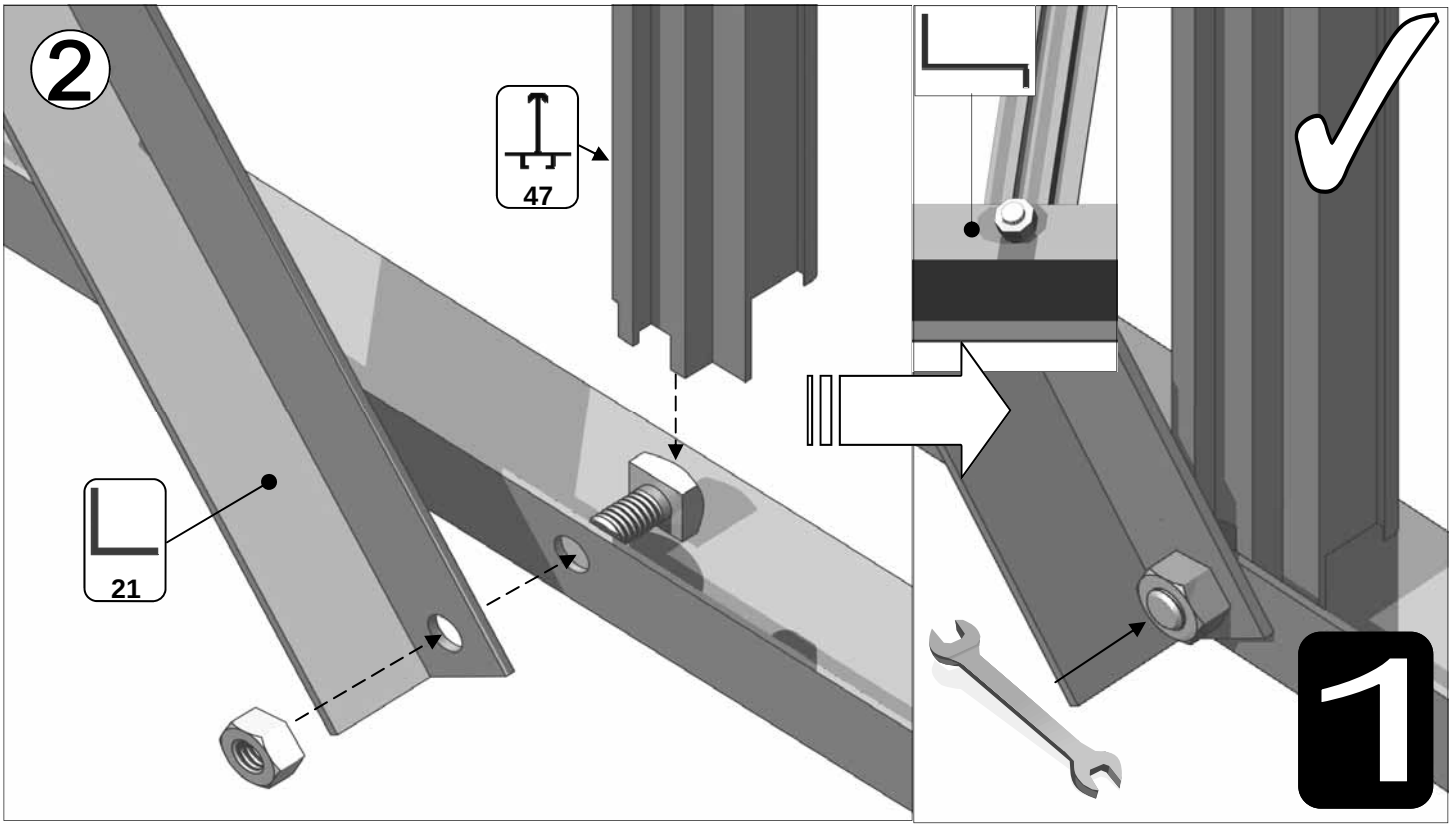
M6		24

ALL VIEWS INTERNAL


1
47


2
47
21
1

Part No	mm	Quantity
76	1504	1
77	1504	1
170	1836	1
171	1836	1
173	1548	1

Part No	mm	Quantity
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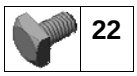
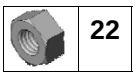
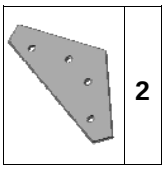
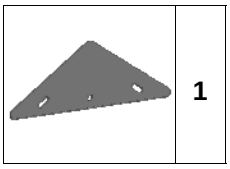
180	916	1
181	460	2
182	460	2

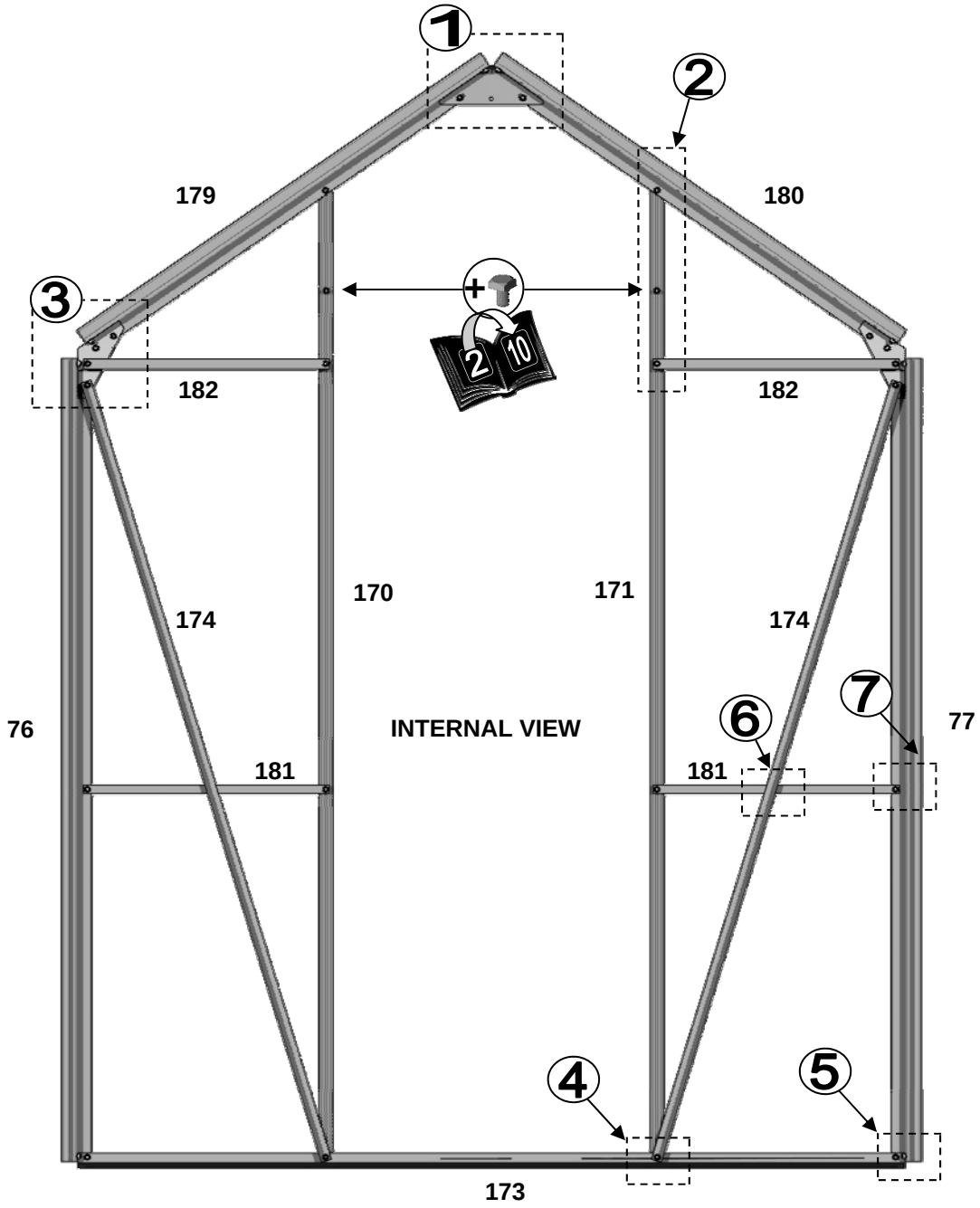


M6



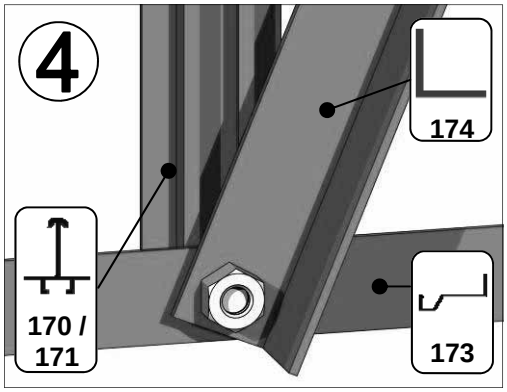


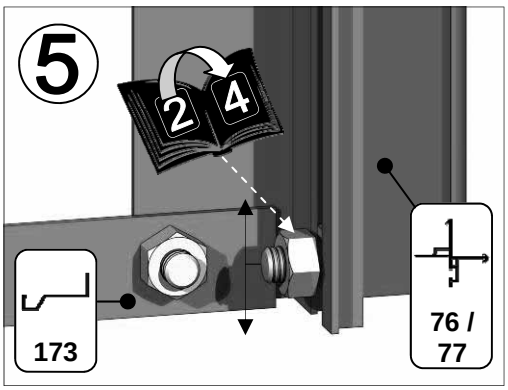


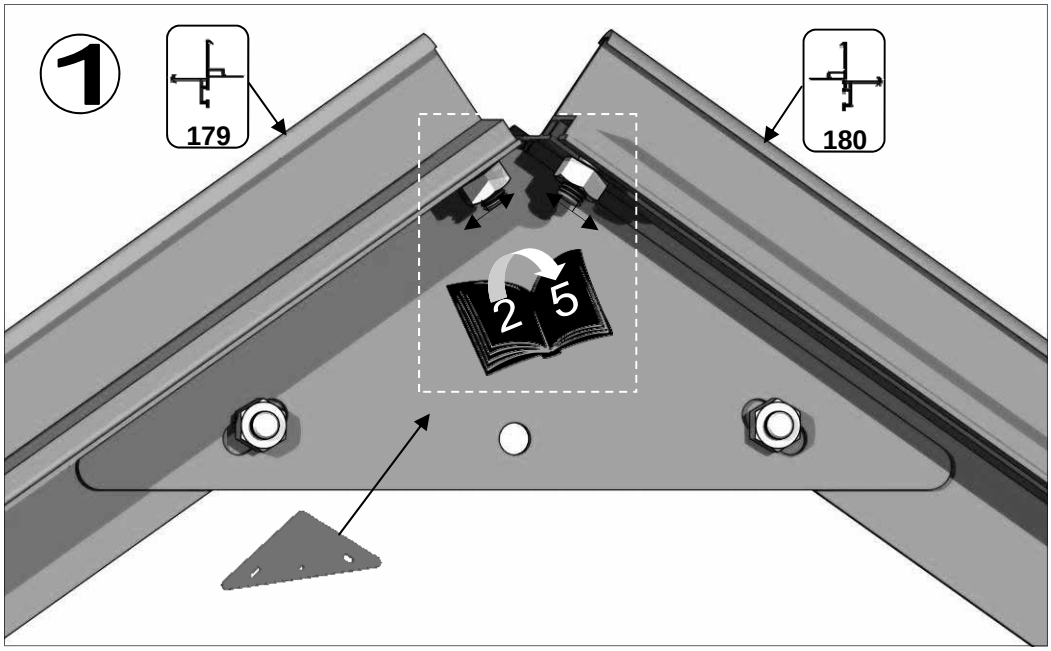


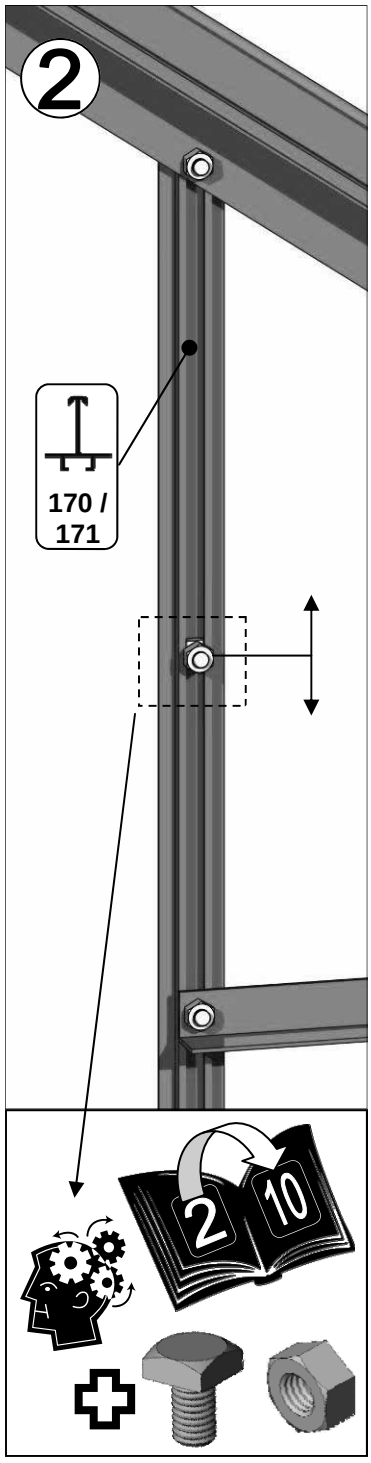
ALL VIEWS INTERNAL

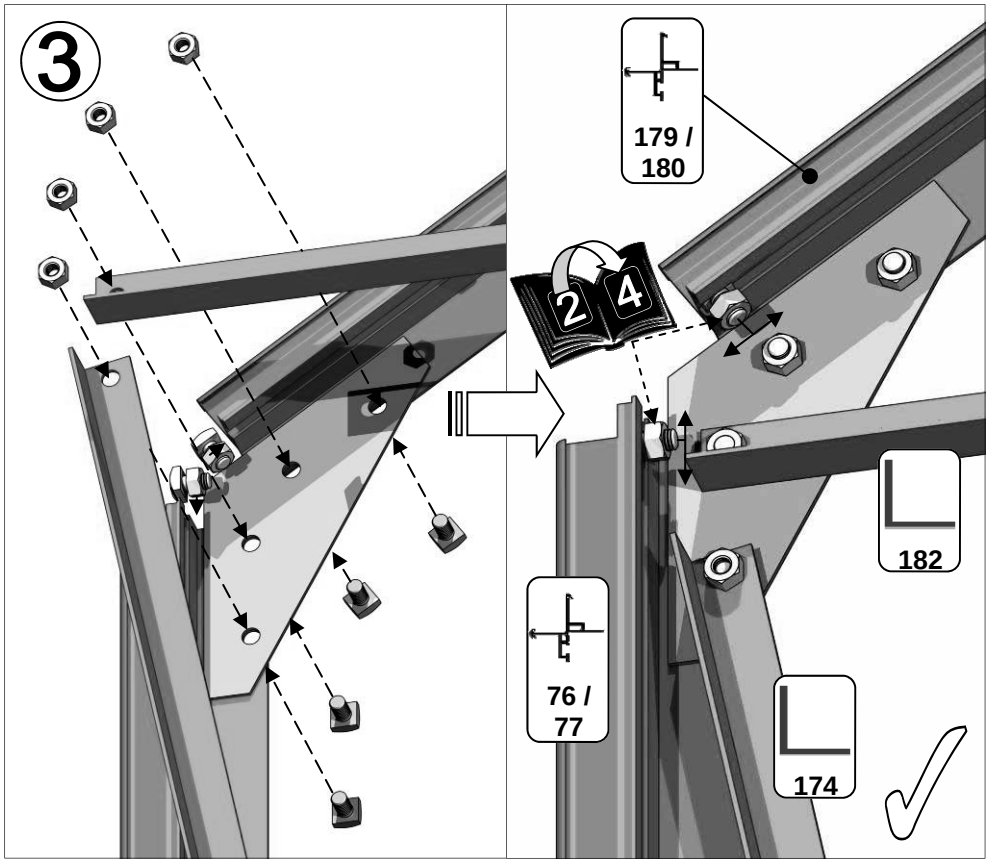
2

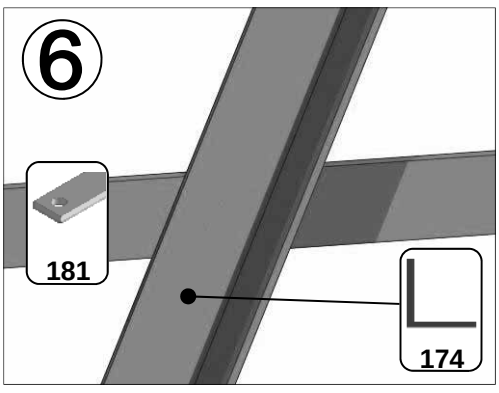


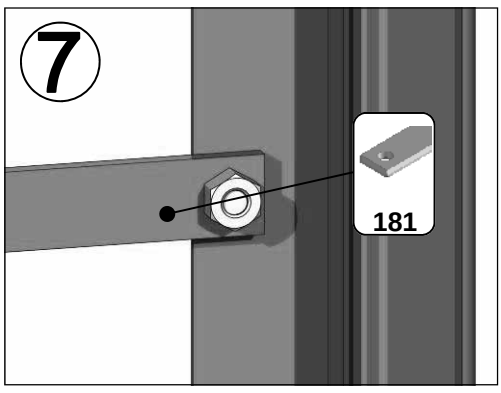










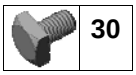


ALL VIEWS INTERNAL

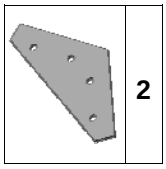
2

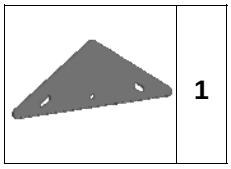
Part No	mm	Quantity
76	1504	1
77	1504	1
170	1836	1
171	1836	1
172	1548	1

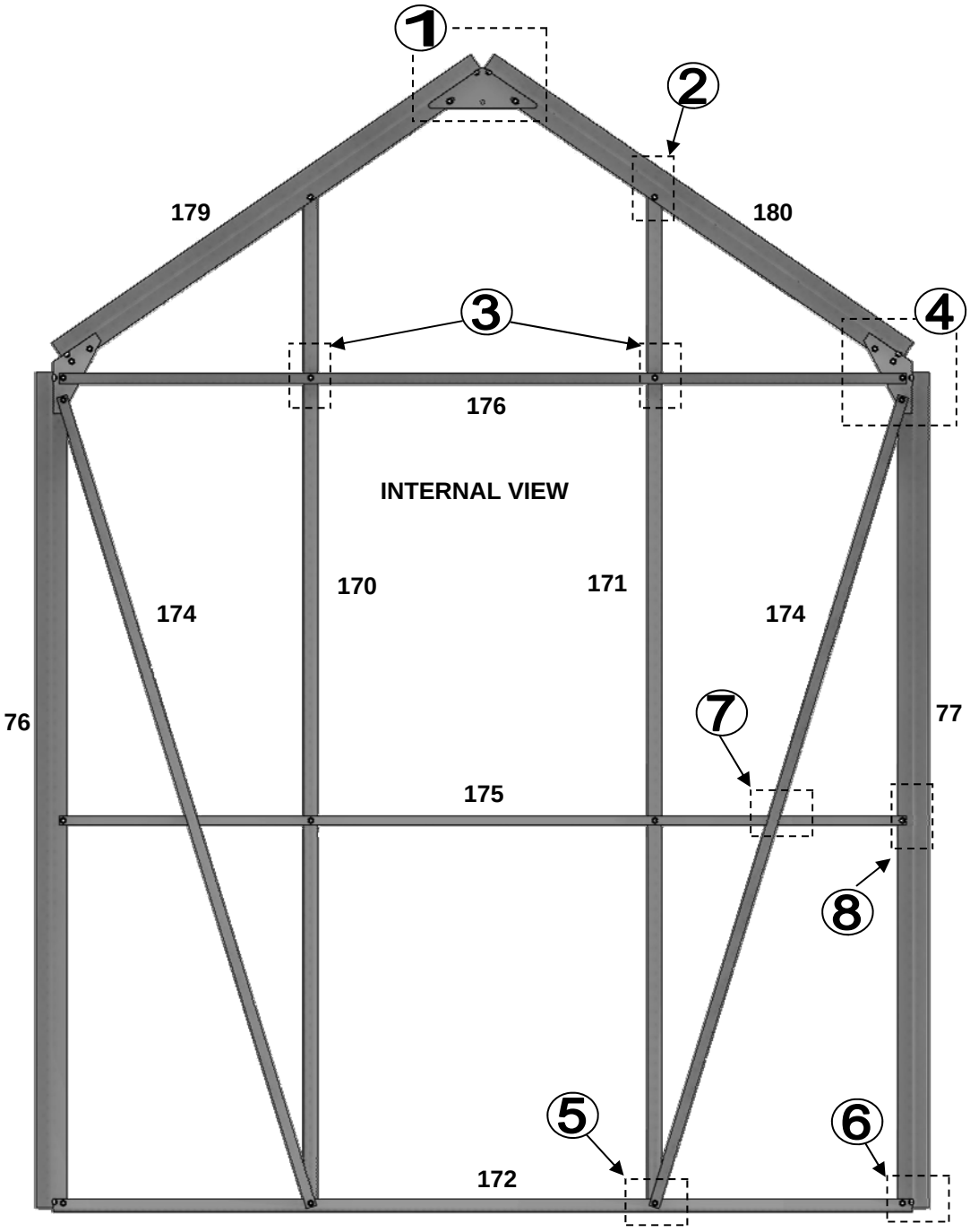
Part No	mm	Quantity
174	1527	2
175	1526	1
176	1526	1
179	916	1
180	916	1



M6

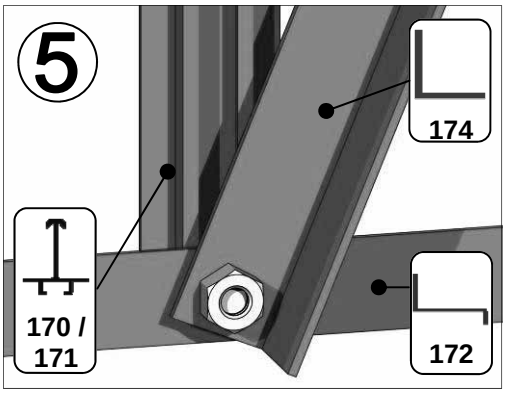


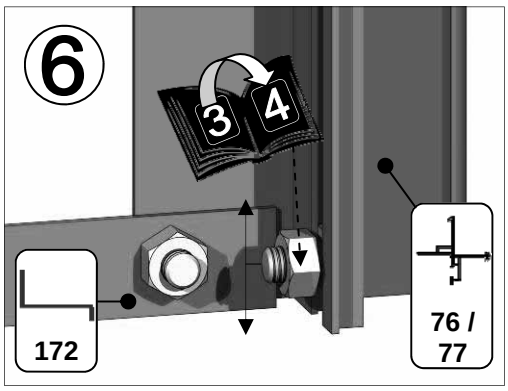


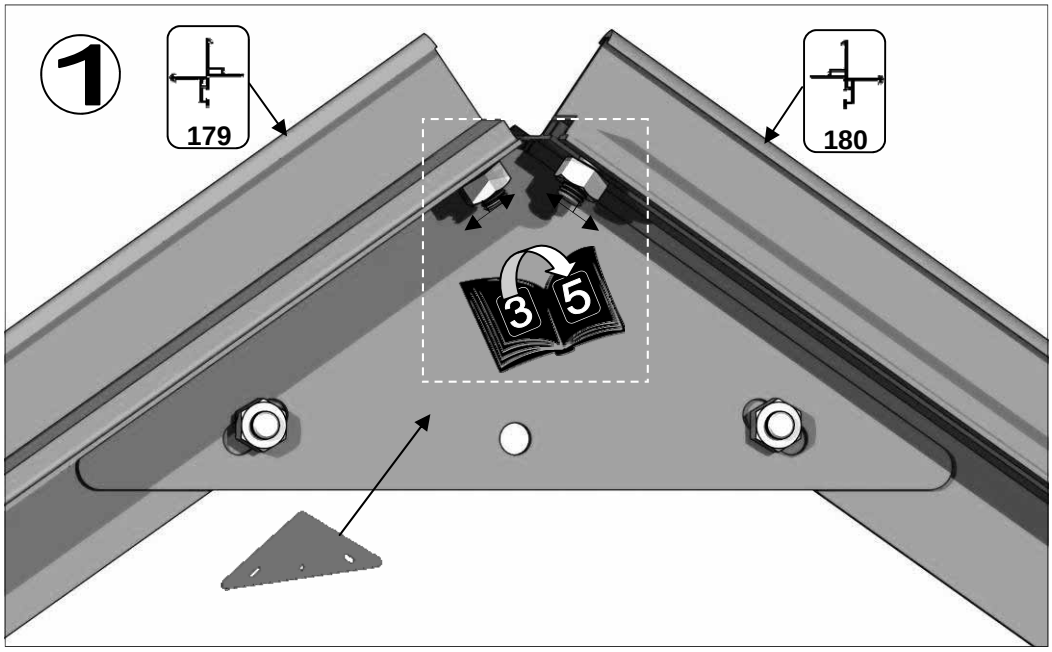


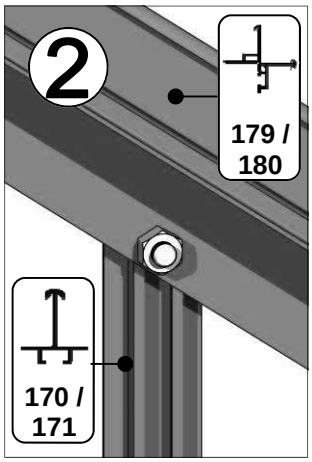
ALL VIEWS INTERNAL

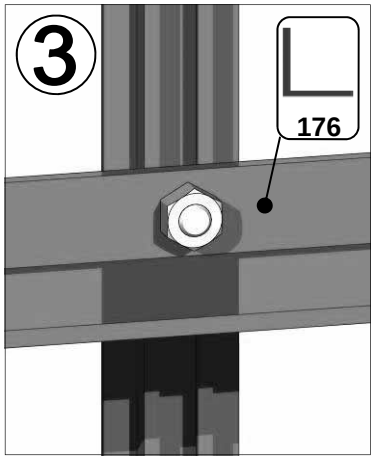
3

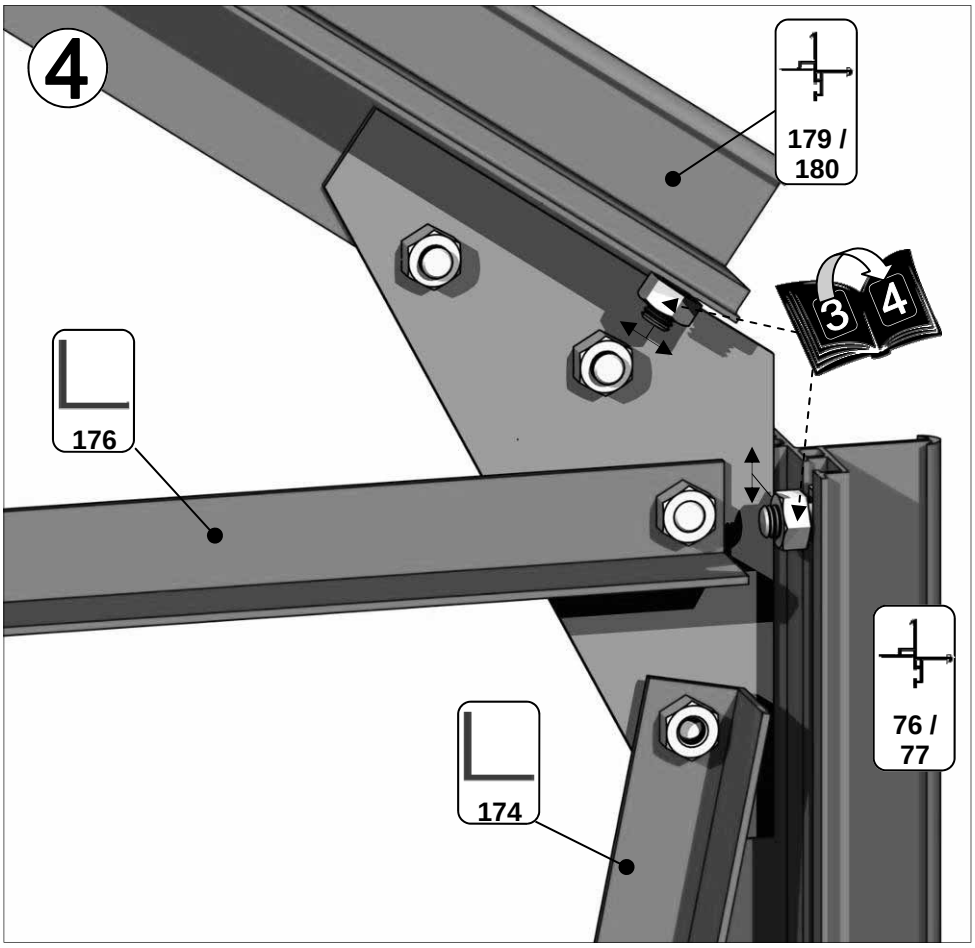


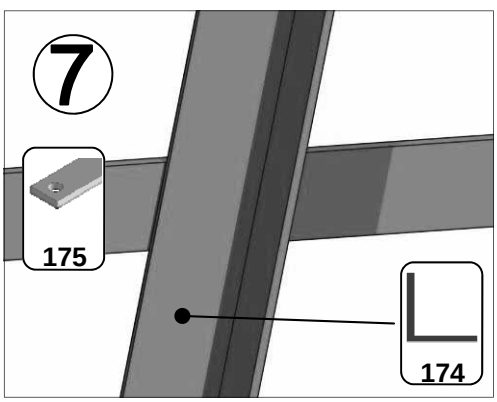


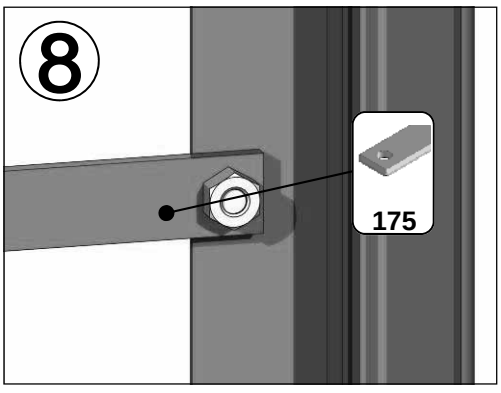






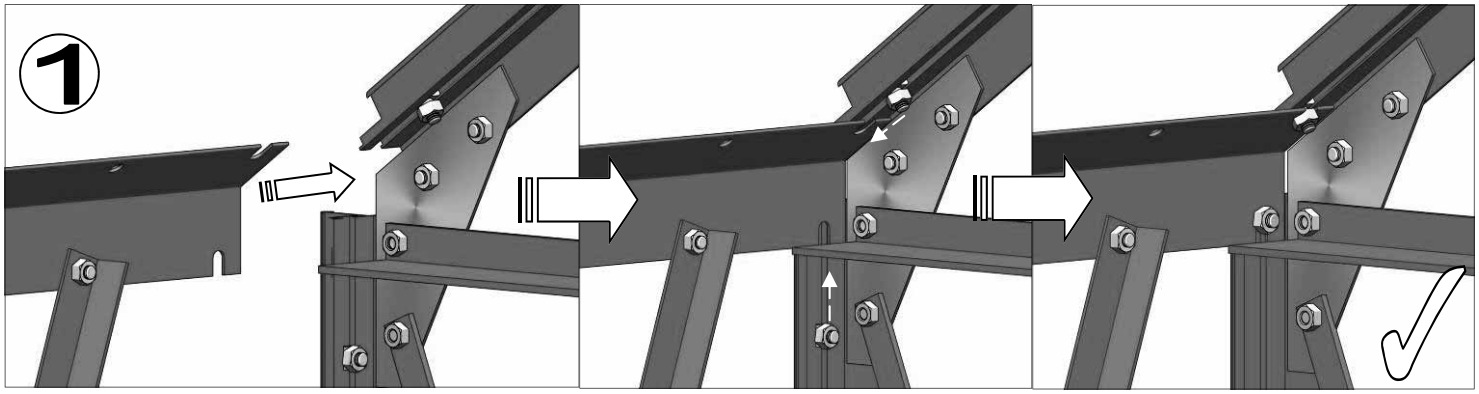


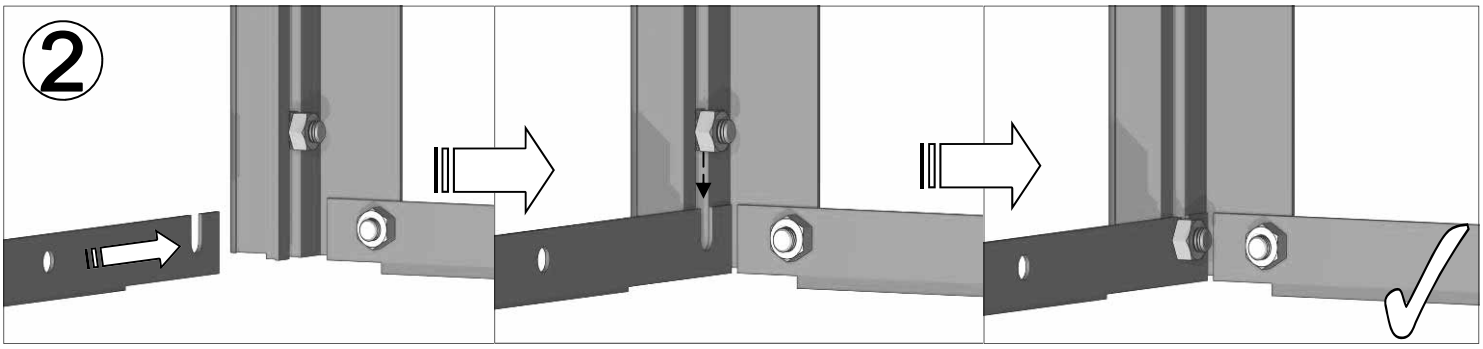


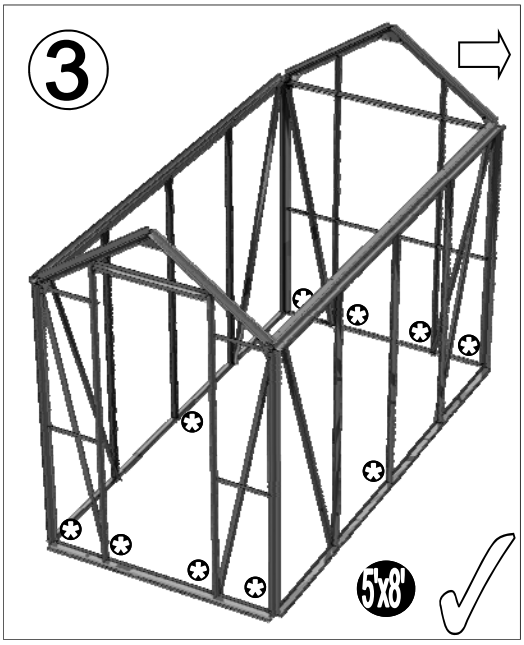


ALL VIEWS INTERNAL

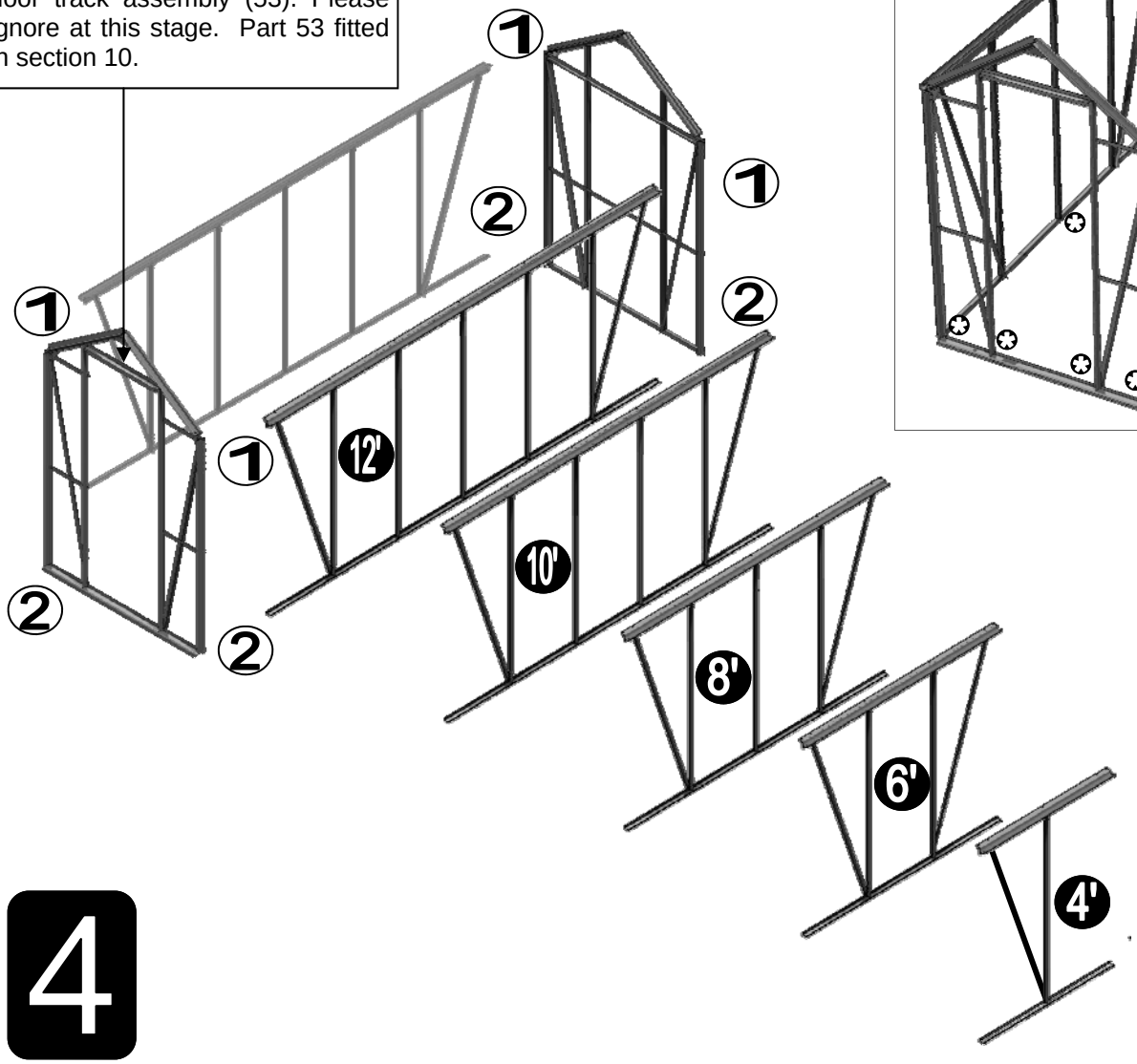
3



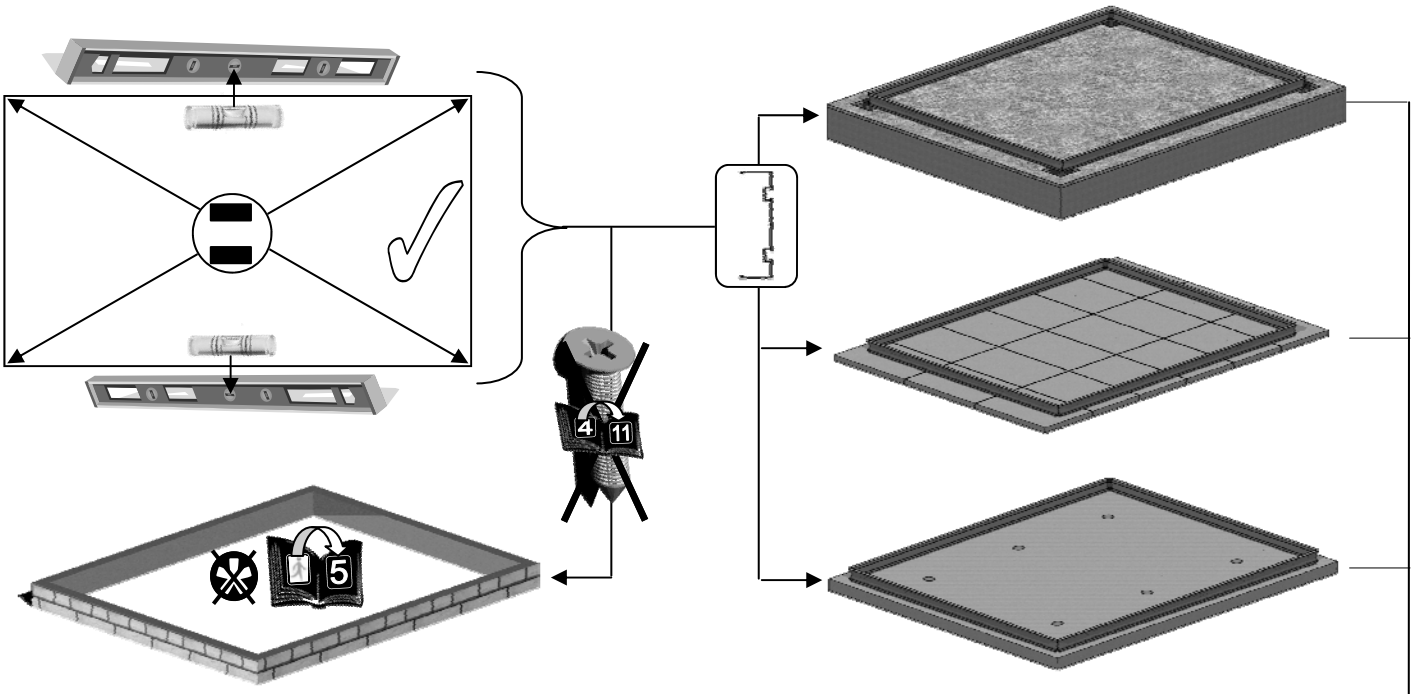


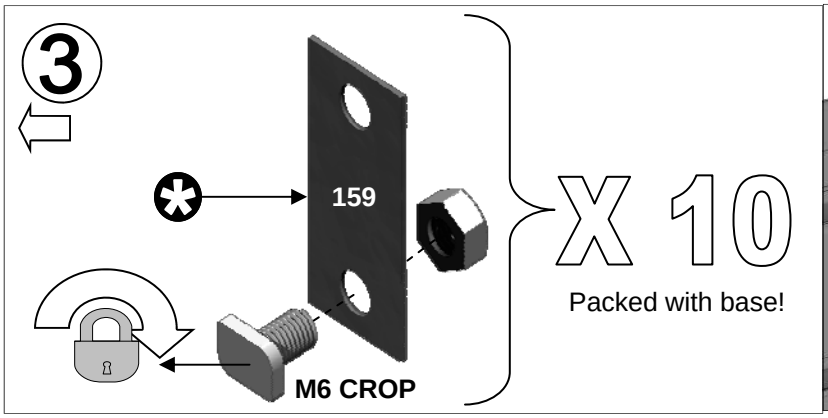


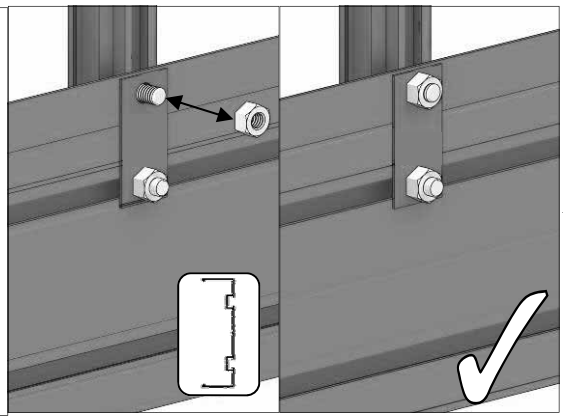
This bar is currently riveted to the door track assembly (53). Please ignore at this stage. Part 53 fitted in section 10.

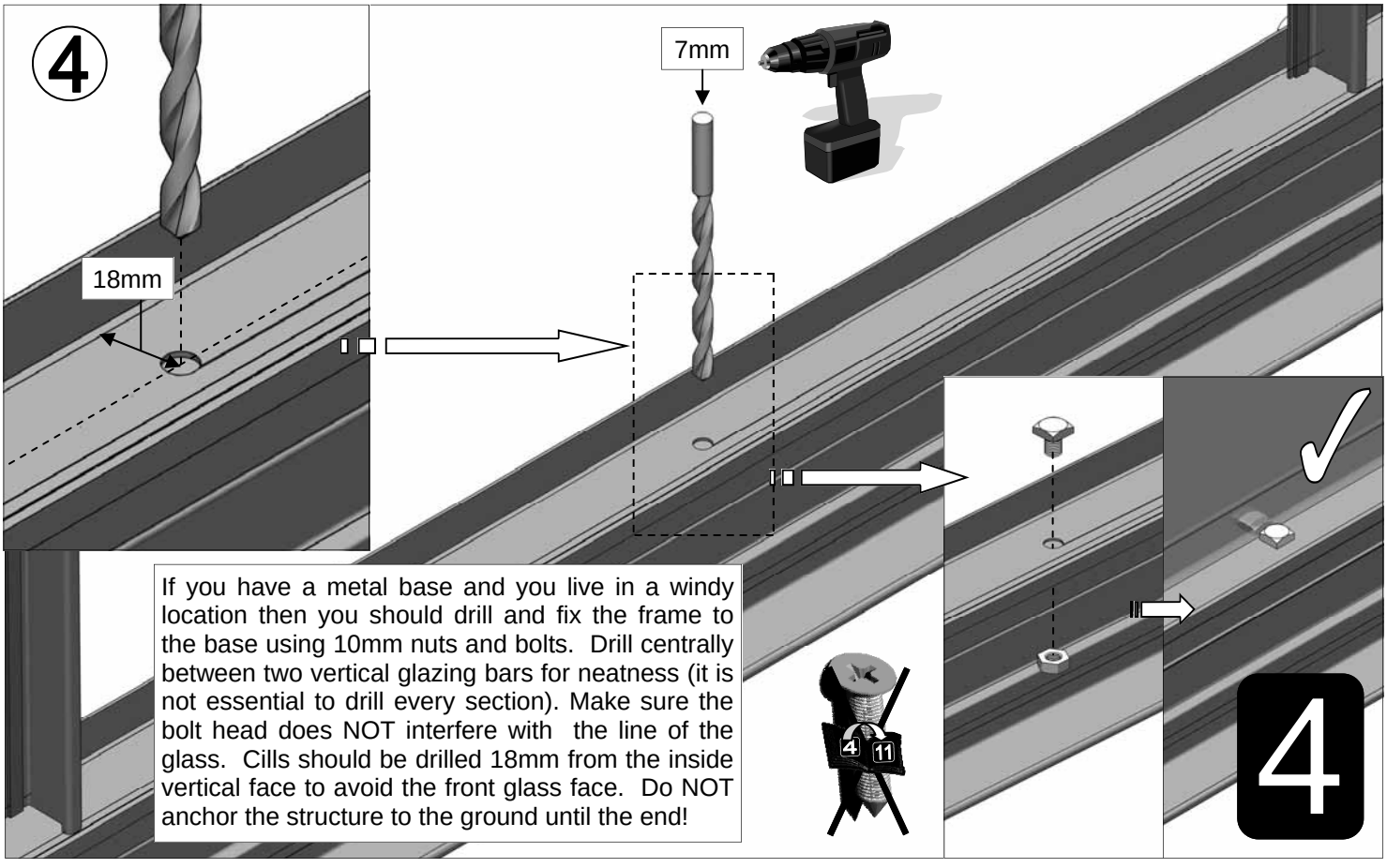


4



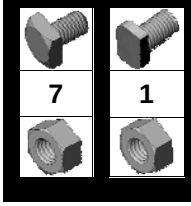






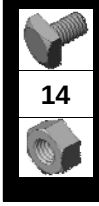
If you have a metal base and you live in a windy location then you should drill and fix the frame to the base using 10mm nuts and bolts. Drill centrally between two vertical glazing bars for neatness (it is not essential to drill every section). Make sure the bolt head does NOT interfere with the line of the glass. Cills should be drilled 18mm from the inside vertical face to avoid the front glass face. Do NOT anchor the structure to the ground until the end!

4’

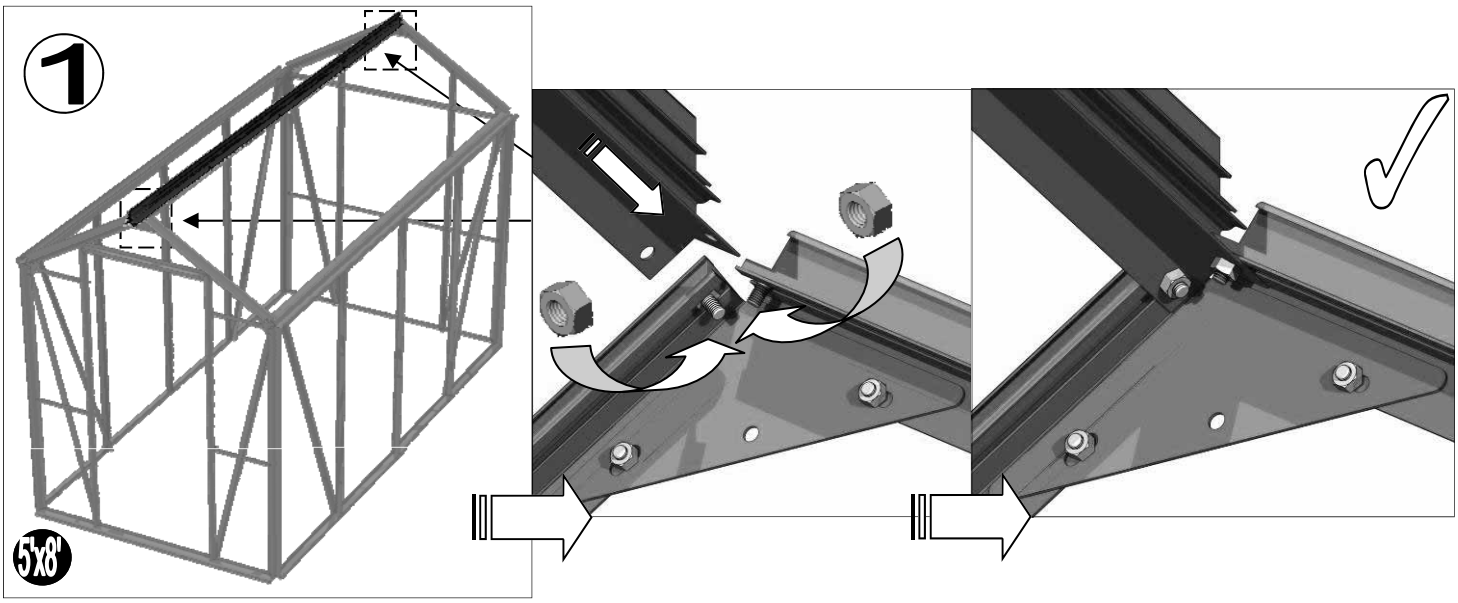


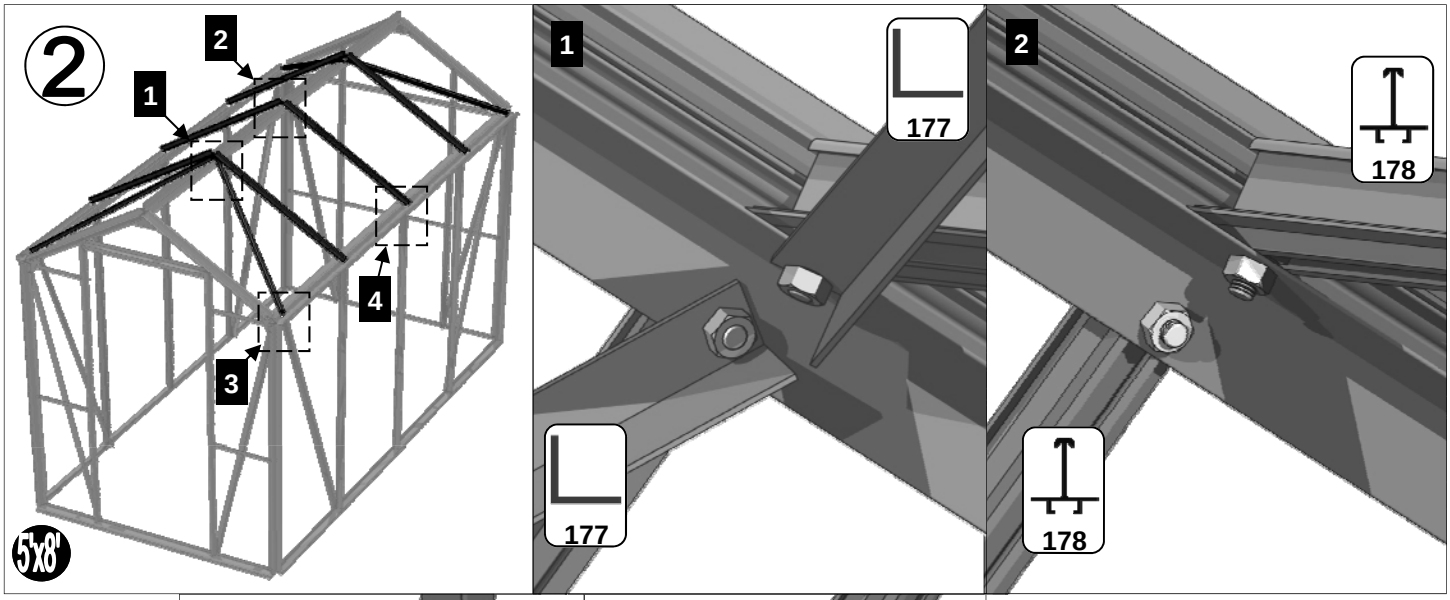
Part No	mm	Quantity
57	1240	1
178	927	2
85	622	1
177	1049	2

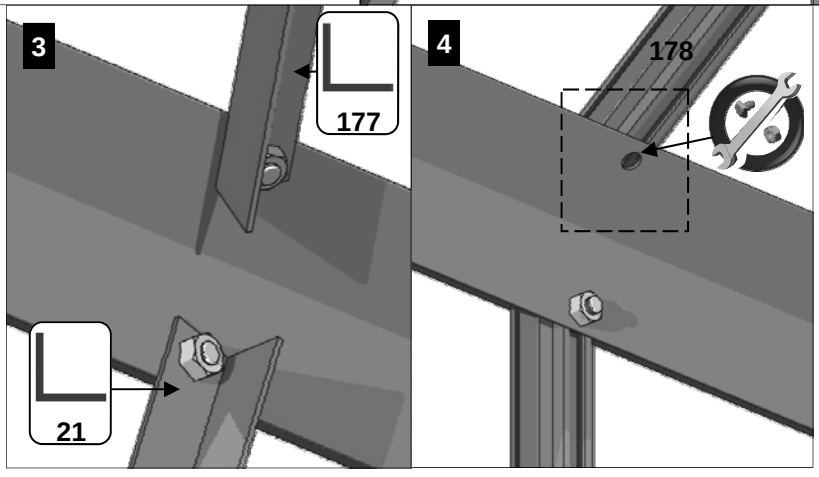
6’

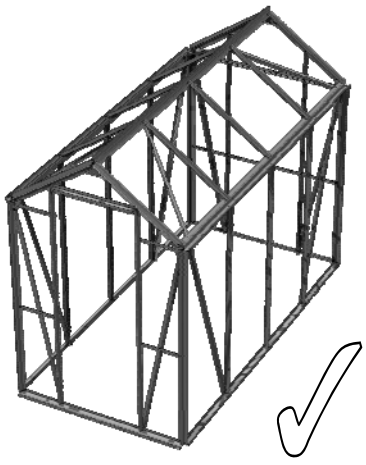


Part No	mm	Quantity
26	1860	1
178	927	4
93	636	1
177	1049	4







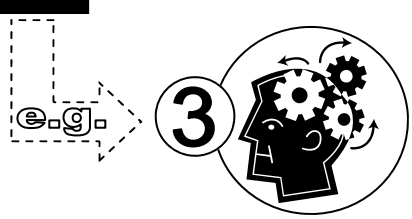


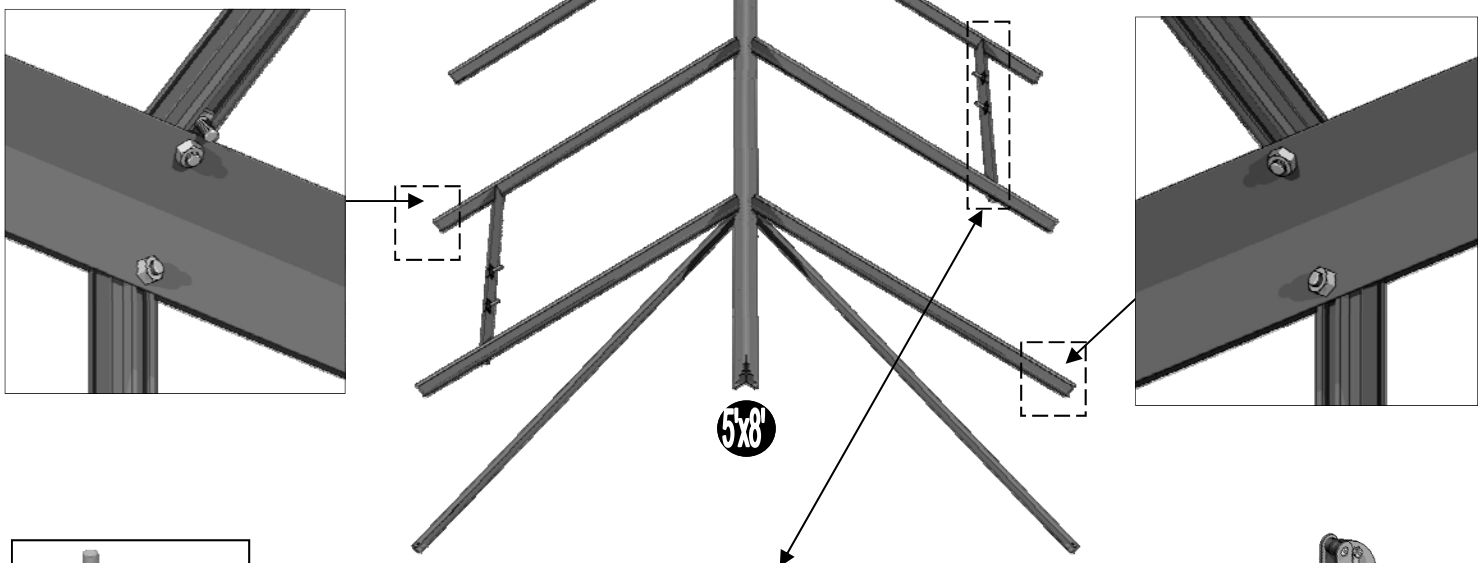
5

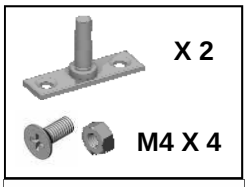
8’	Part No	mm	Quantity
	12	2480	1
	178	927	6
20	93	636	2
	177	1049	4

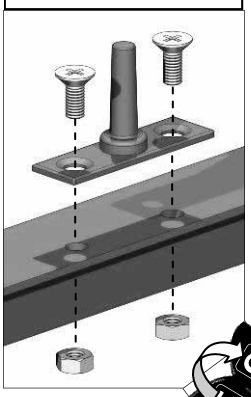
10’	Part No	mm	Quantity
	6	3100	1
	178	927	8
28	93	636	3
	177	1049	4

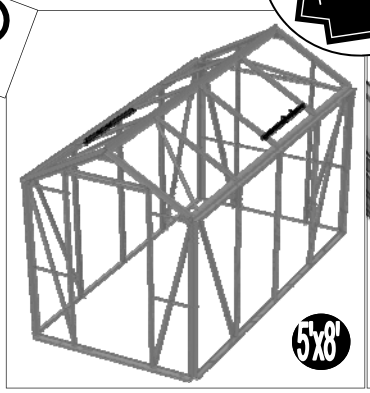
12’	Part No	mm	Quantity
	2	3720	1
	178	927	10
32	93	636	4
	177	1049	4

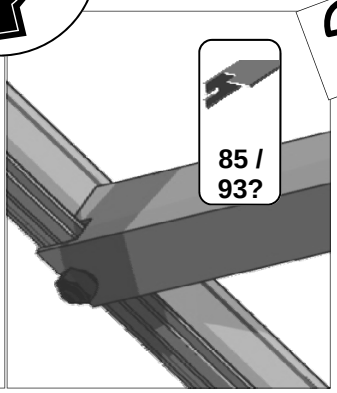


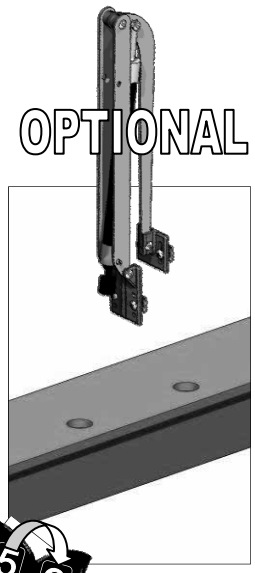


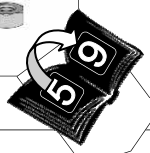


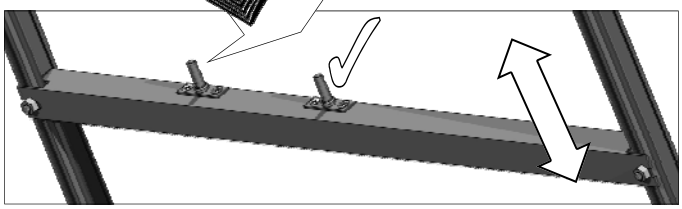


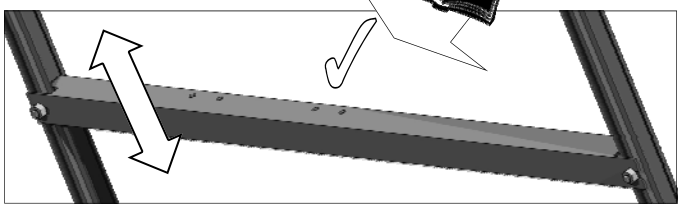




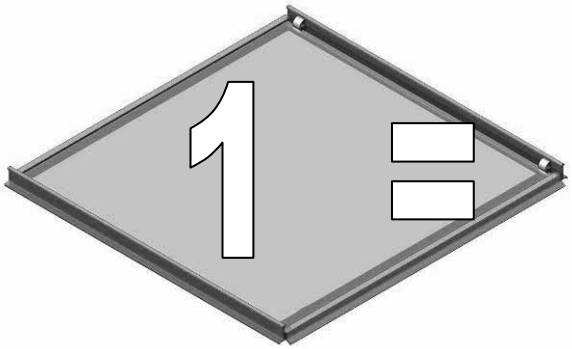




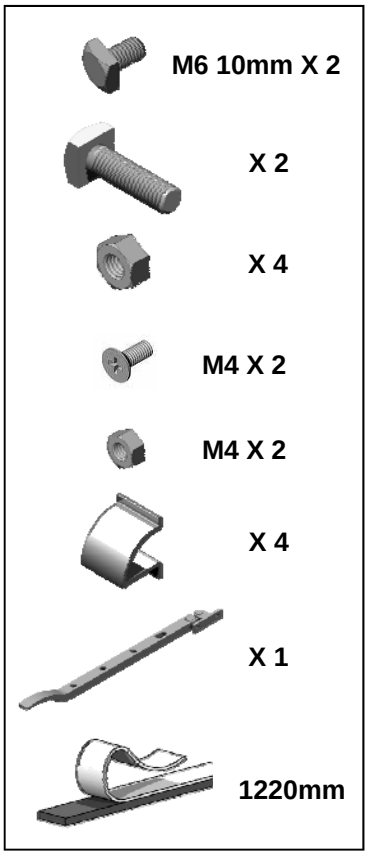


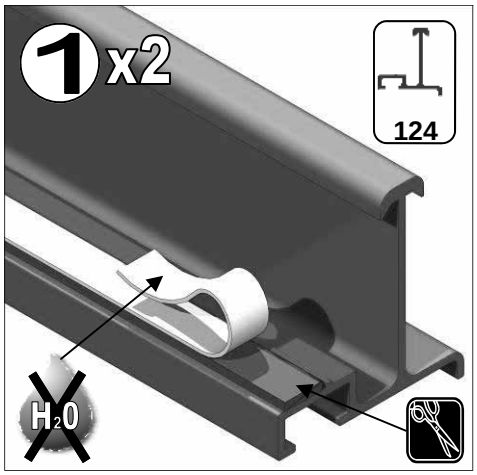


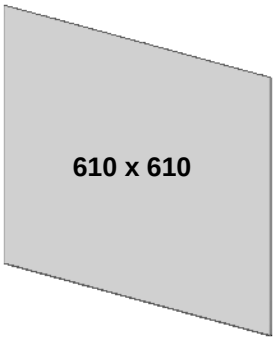
5

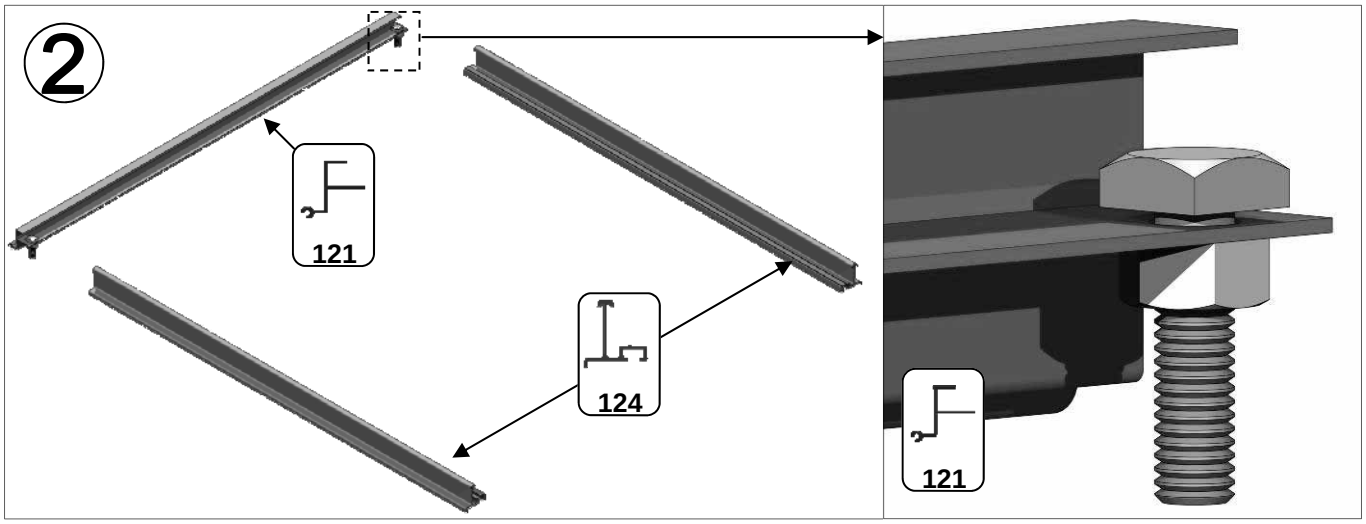


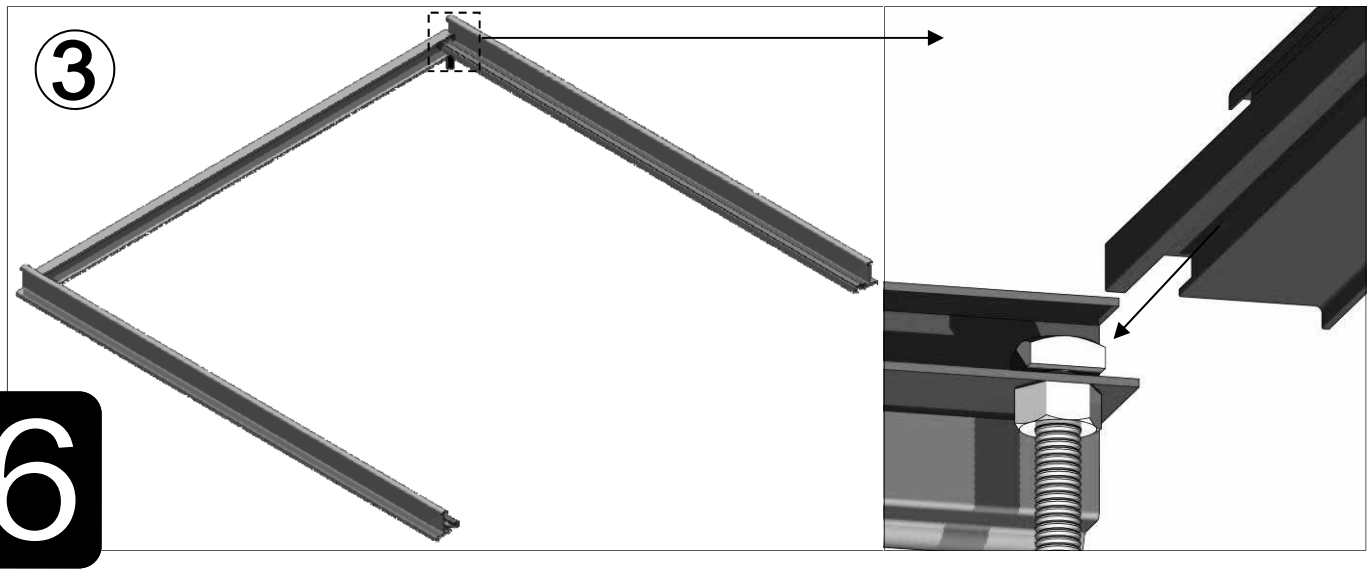
Part No	mm	Quantity
121	619	1
123	612	1
124	610	2











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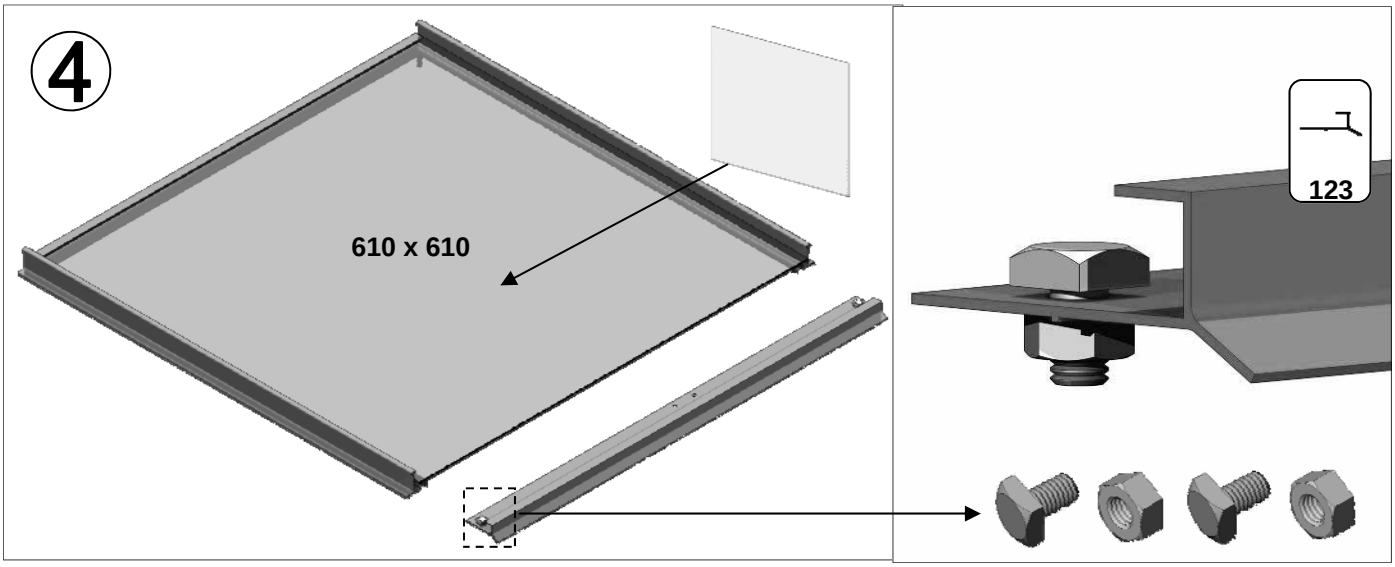
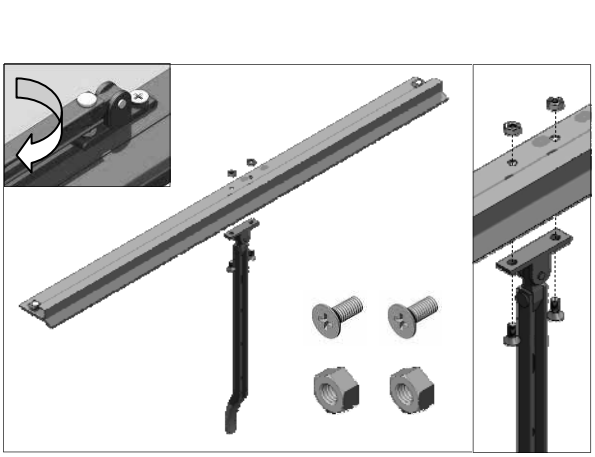
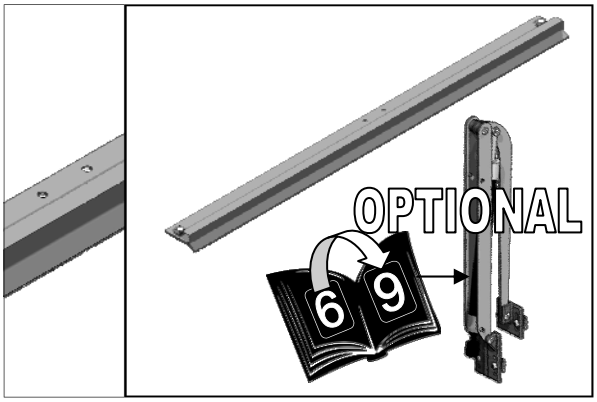
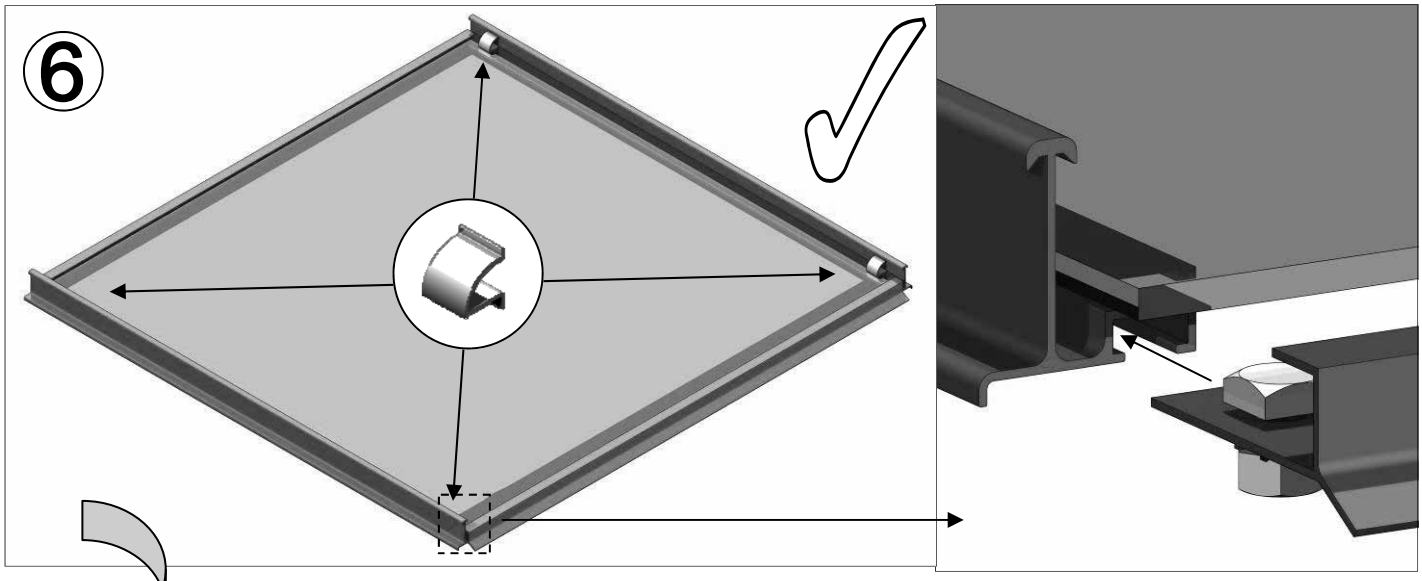
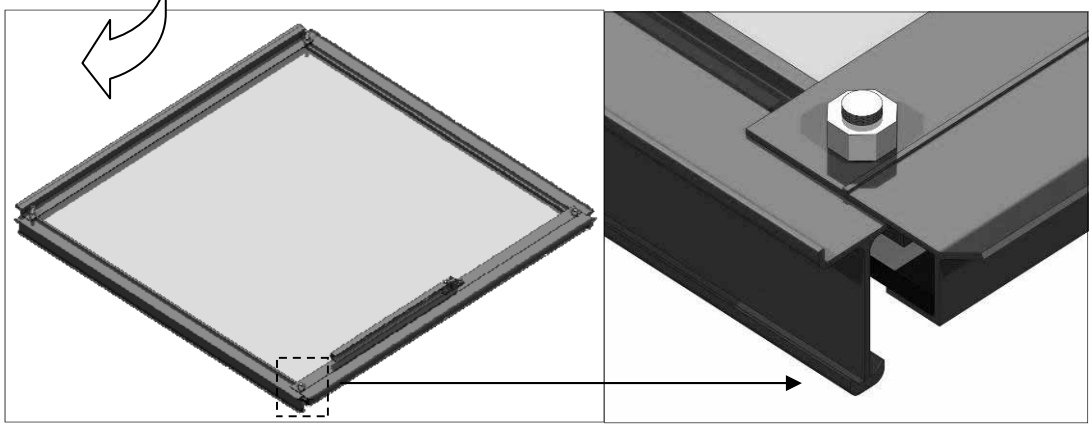




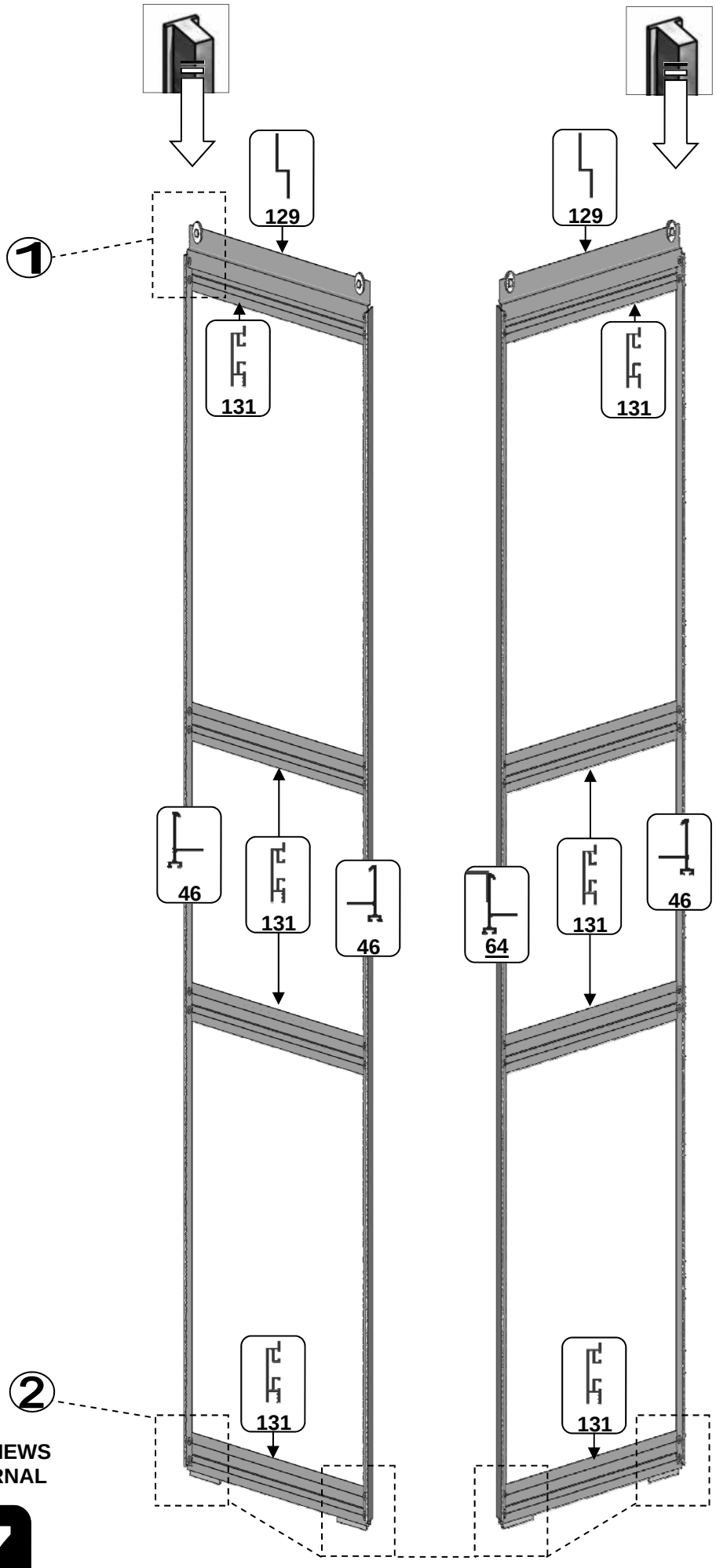


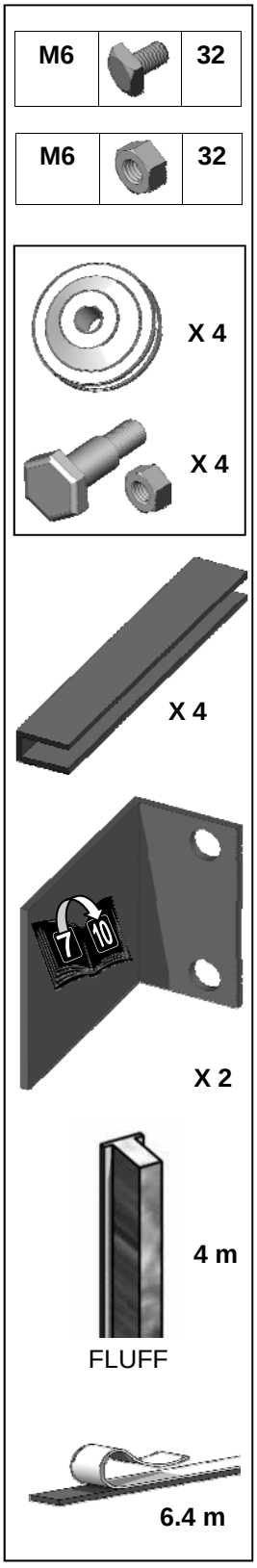




6

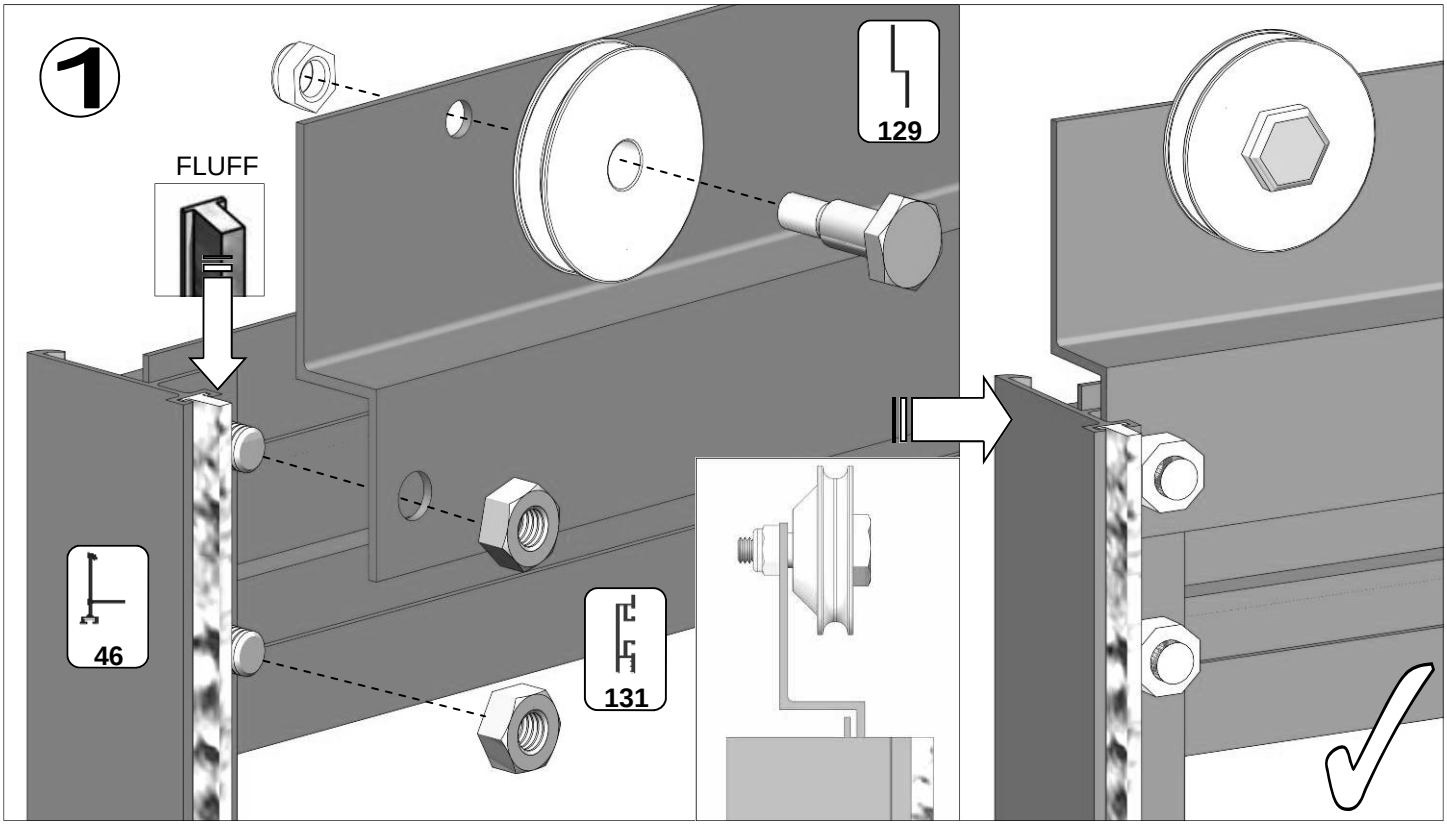
Part No	mm	Quantity
46	1605	3
64	1605	1
129	299	2
131	304	8

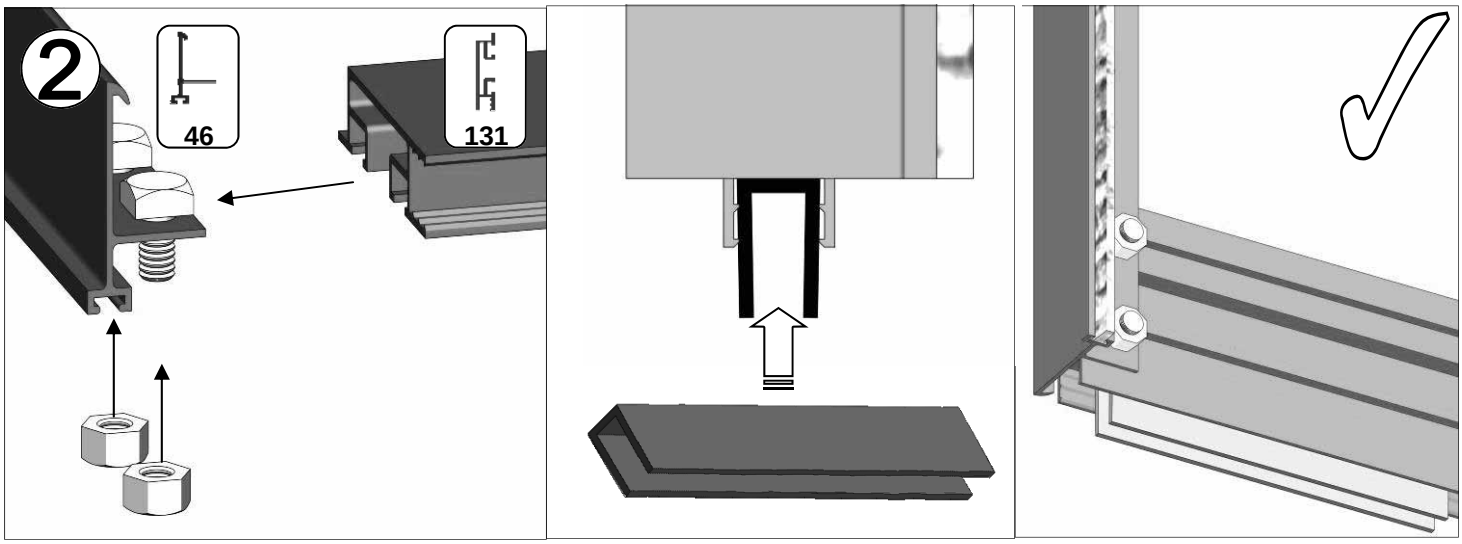


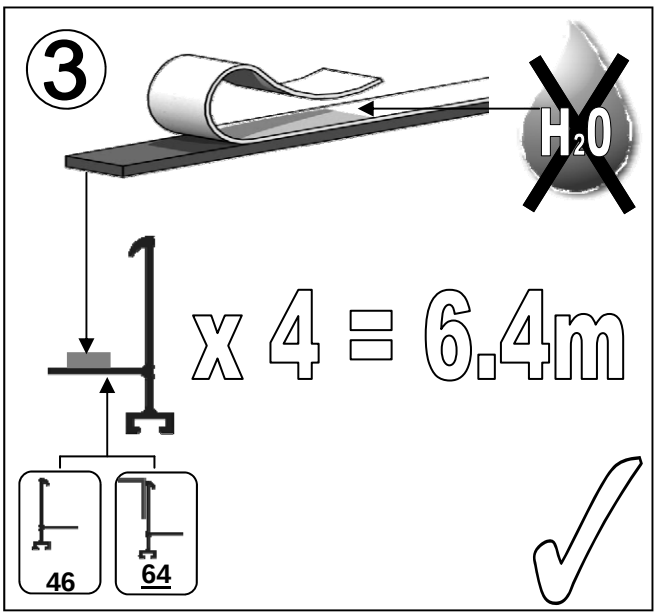


ALL VIEWS INTERNAL

7



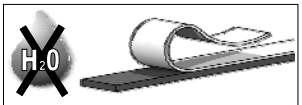




Glazing tips for sections 7 & 8:

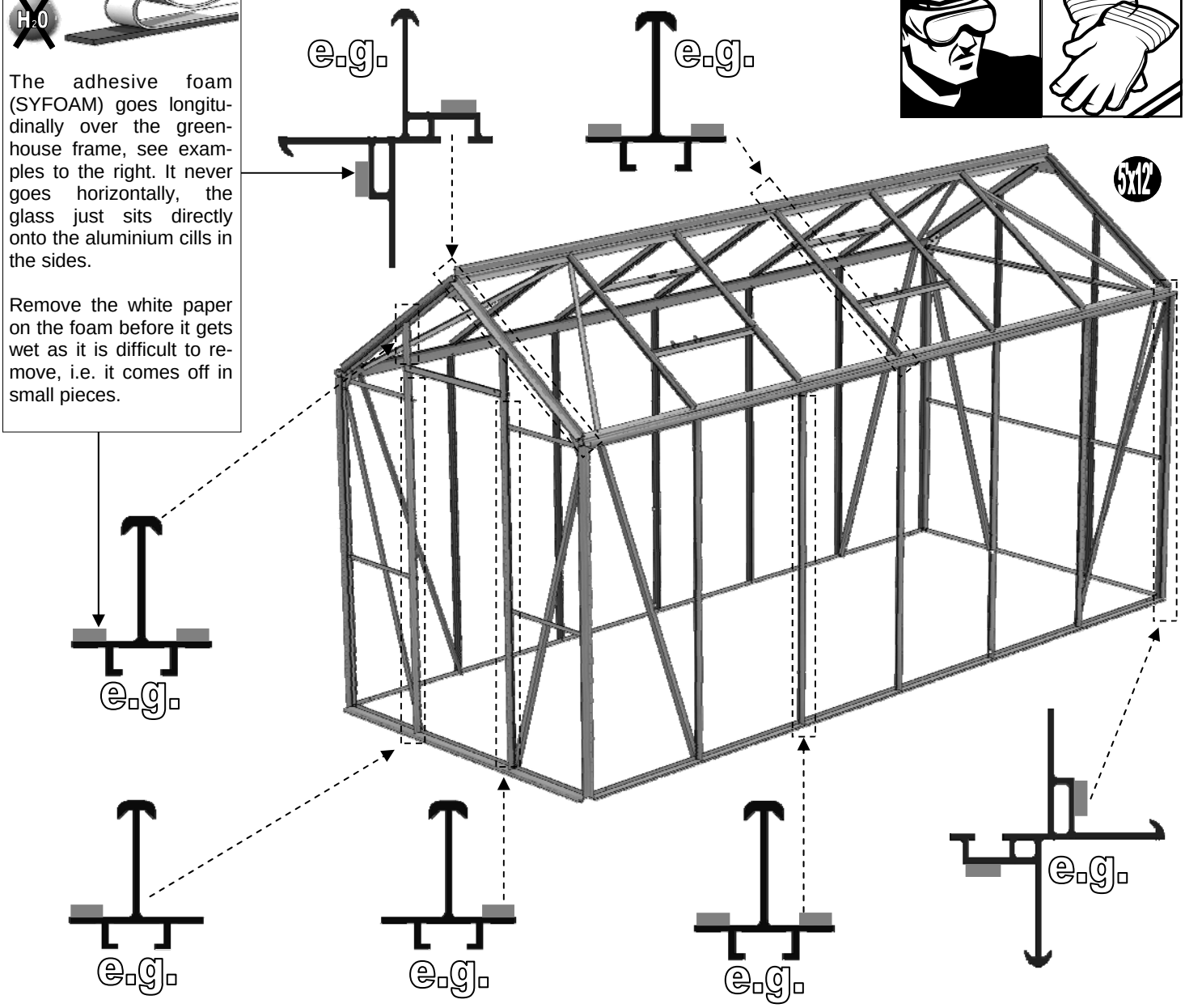
- The foam (see left) goes longitudinally in three sections on each door stile and all over the greenhouse frame, see overleaf, including the roof corner bars. It never goes horizontally, the glass just sits directly onto the aluminium cills in the sides.
- Remove the white paper on the foam before it gets wet as it is difficult to remove, i.e. it comes off in small pieces.
- Clips (see overleaf) go roughly 1 every 305mm (1') e.g. 610 x 610 pane you would have 2 per side.

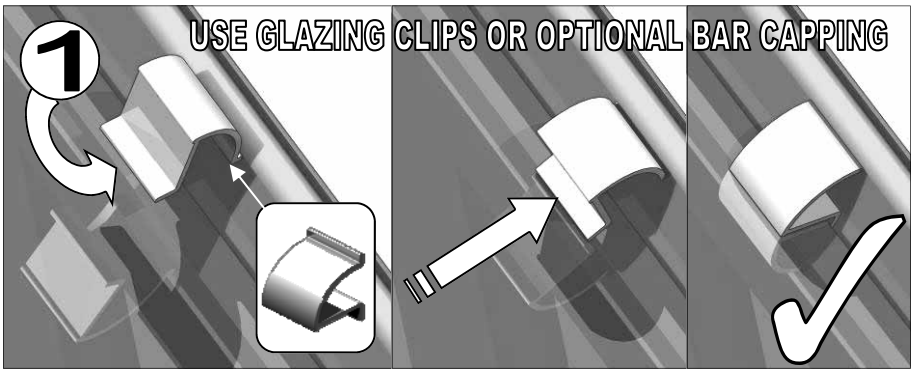
7

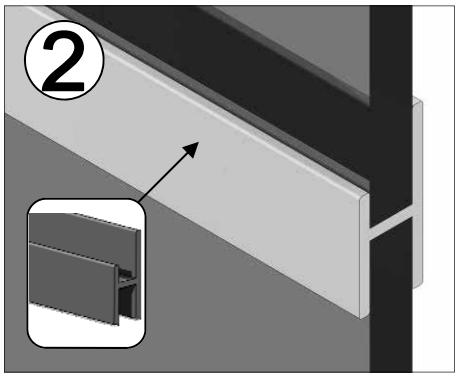


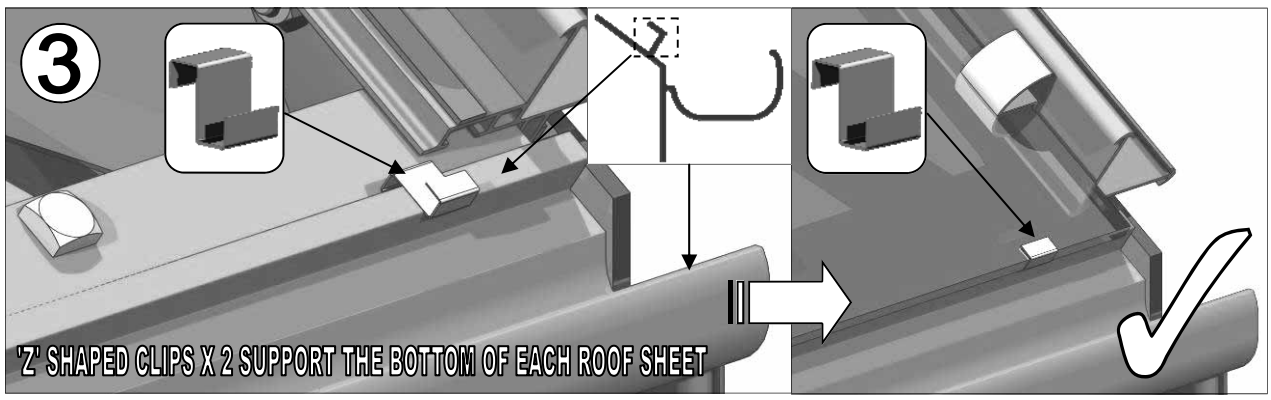
The adhesive foam (SYFOAM) goes longitudinally over the greenhouse frame, see examples to the right. It never goes horizontally, the glass just sits directly onto the aluminium cills in the sides.

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.





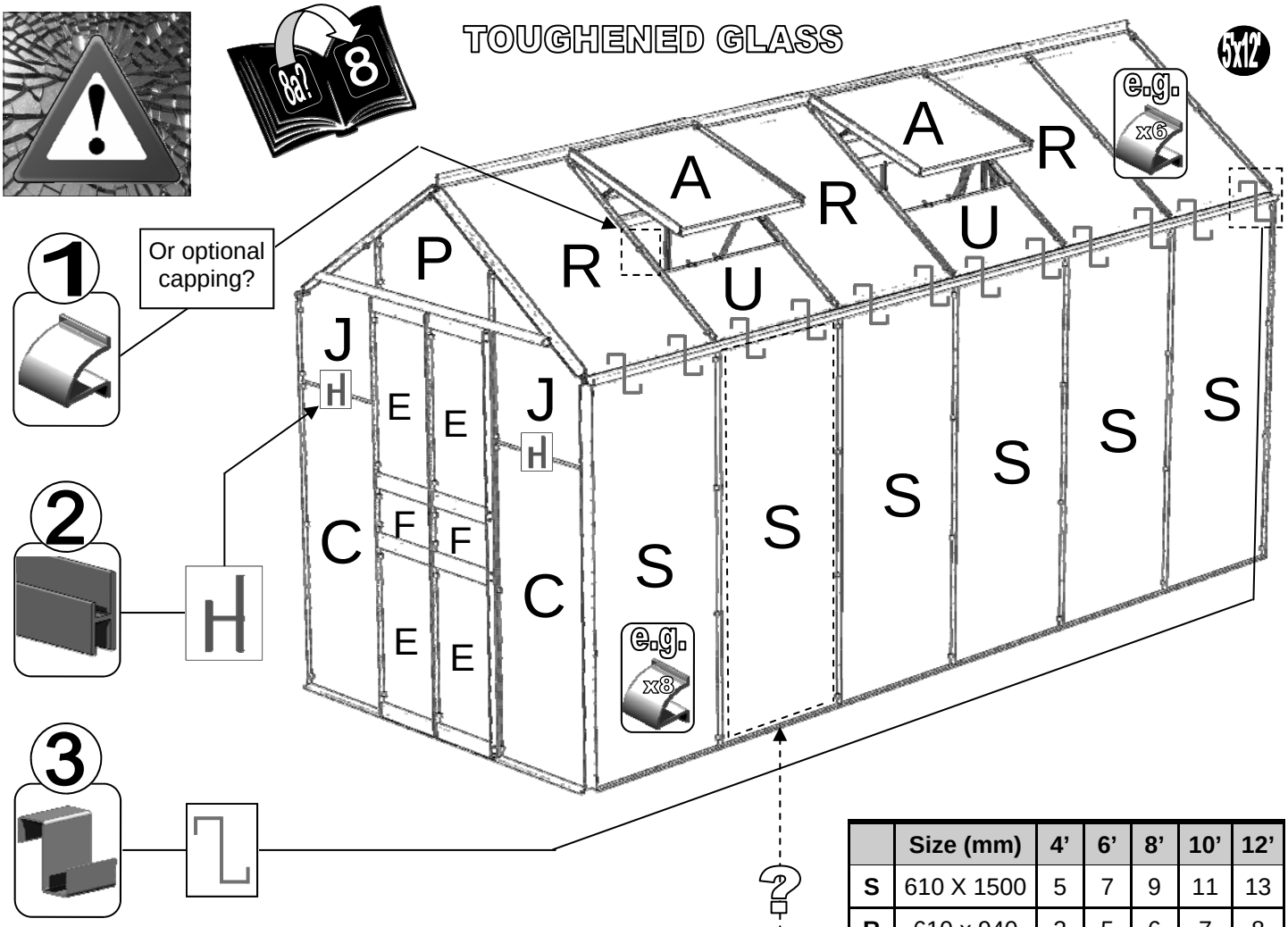




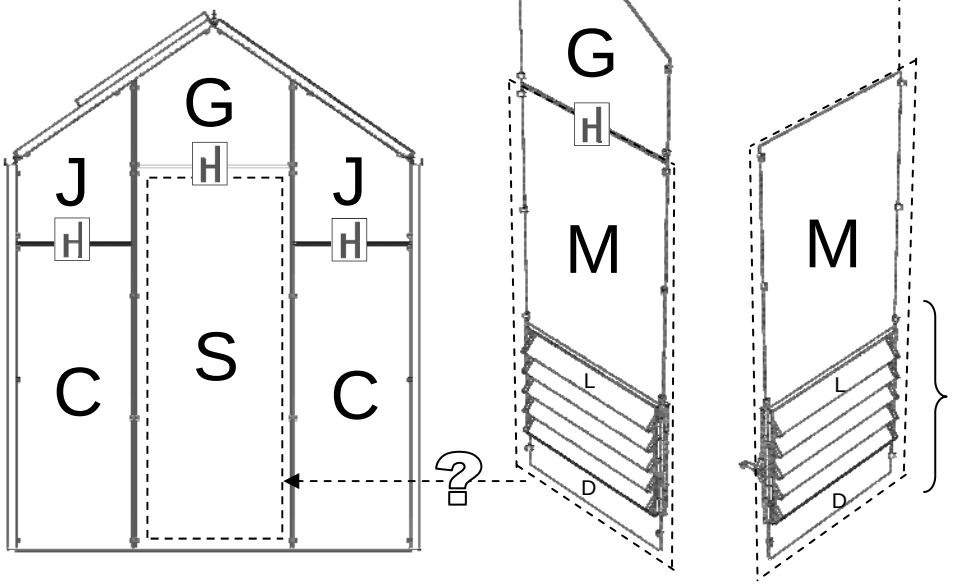
8

TOUGHENED GLASS

5x12

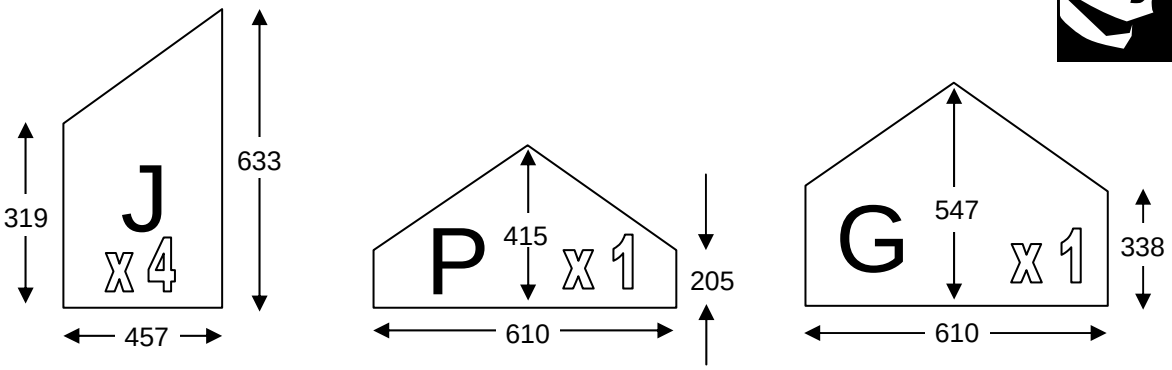


	Size (mm)	4’	6’	8’	10’	12’
S	610 X 1500	5	7	9	11	13
R	610 x 940	3	5	6	7	8
A	610 x 610	1	1	2	3	4
U	610 x 345	1	1	2	3	4
C	457 x 1197	4				
E	295 x 610	4				
F	298 x 205	2				
H	610mm	5				



LOUVRE MUST GO BACK CENTRE ON THE 5X4 MODEL

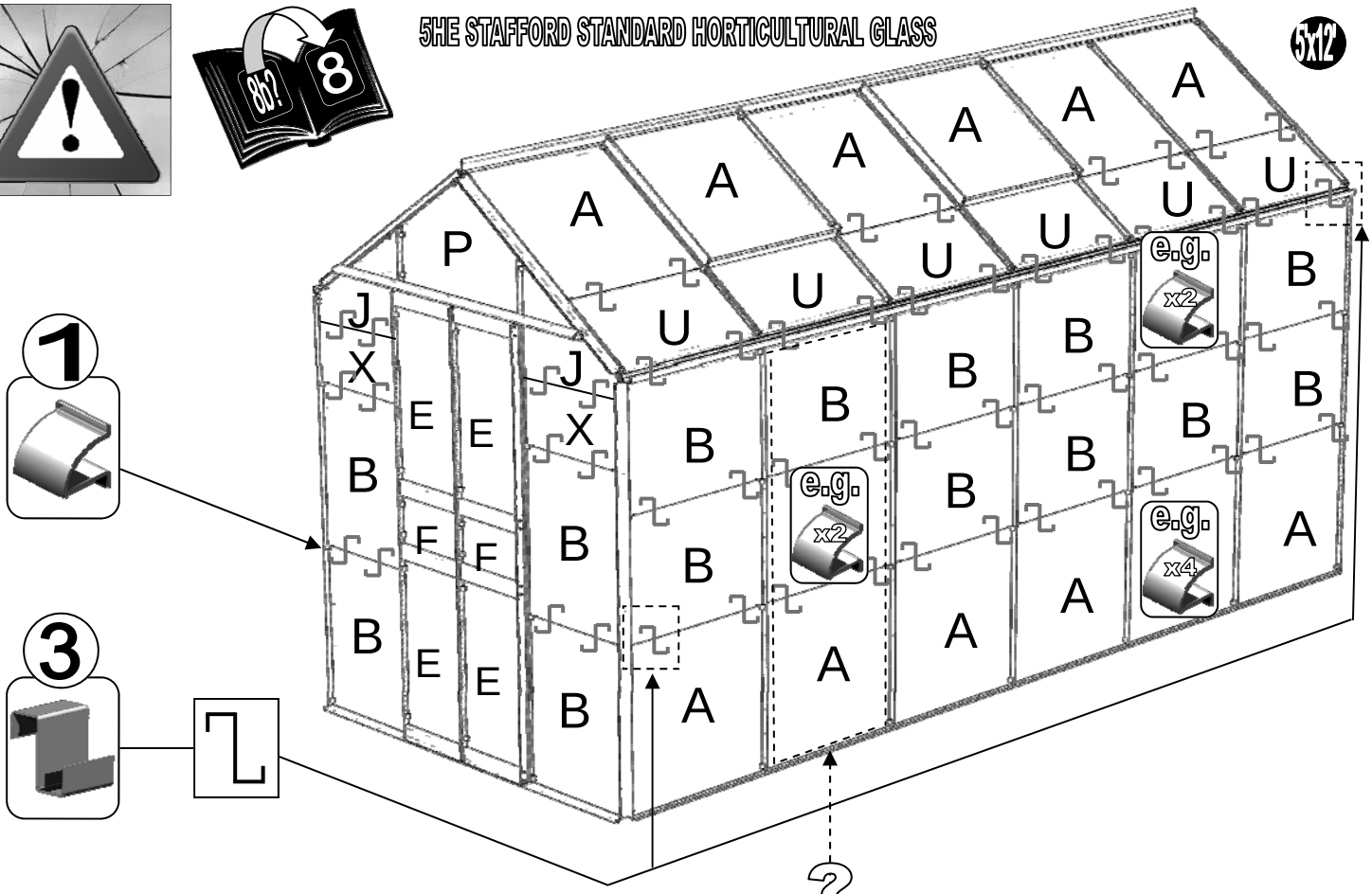
M	610 x 904	1
D	610 x 153	1
L	573 x 100	5



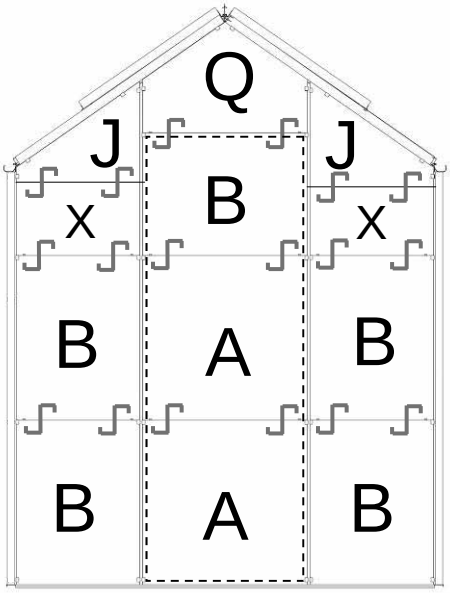
8a?

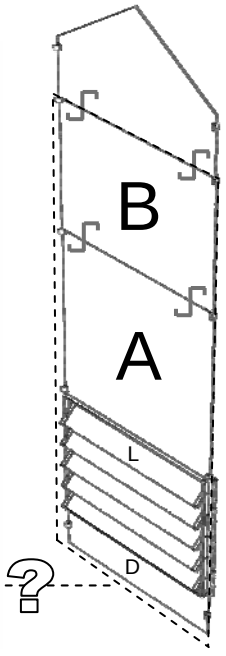
5HE STAFFORD STANDARD HORTICULTURAL GLASS

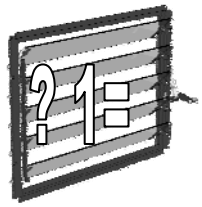
5x12



	Size (mm)	4’	6’	8’	10’	12’
A	610 X 610	10	14	18	22	26
B	610 X 457	17	21	25	29	33
U	610 X 345	4	6	8	10	12
X	457 X 305	4				
E	295 x 610	4				
F	298 x 205	2				



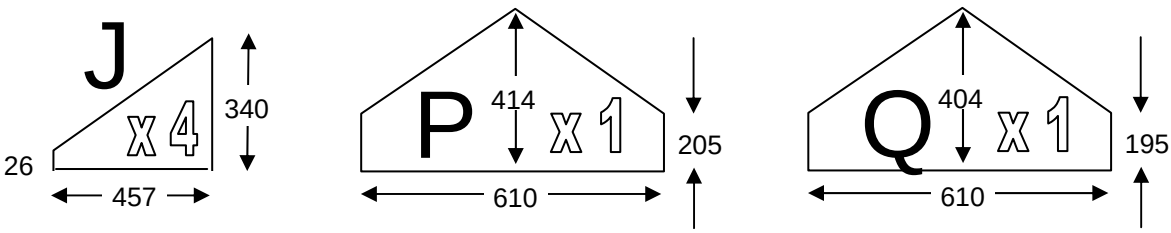


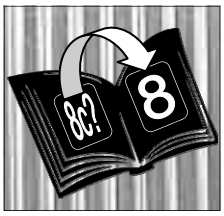


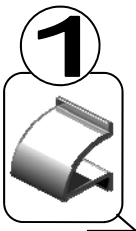
LOUVRE MUST GO BACK CENTRE ON THE 5X4 MODEL

D	610 x 153	1
L	573 x 100	5

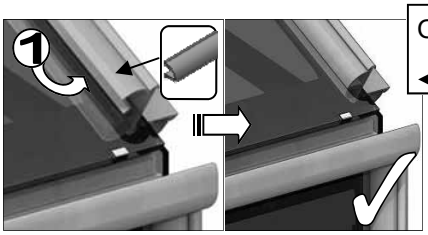
8b?





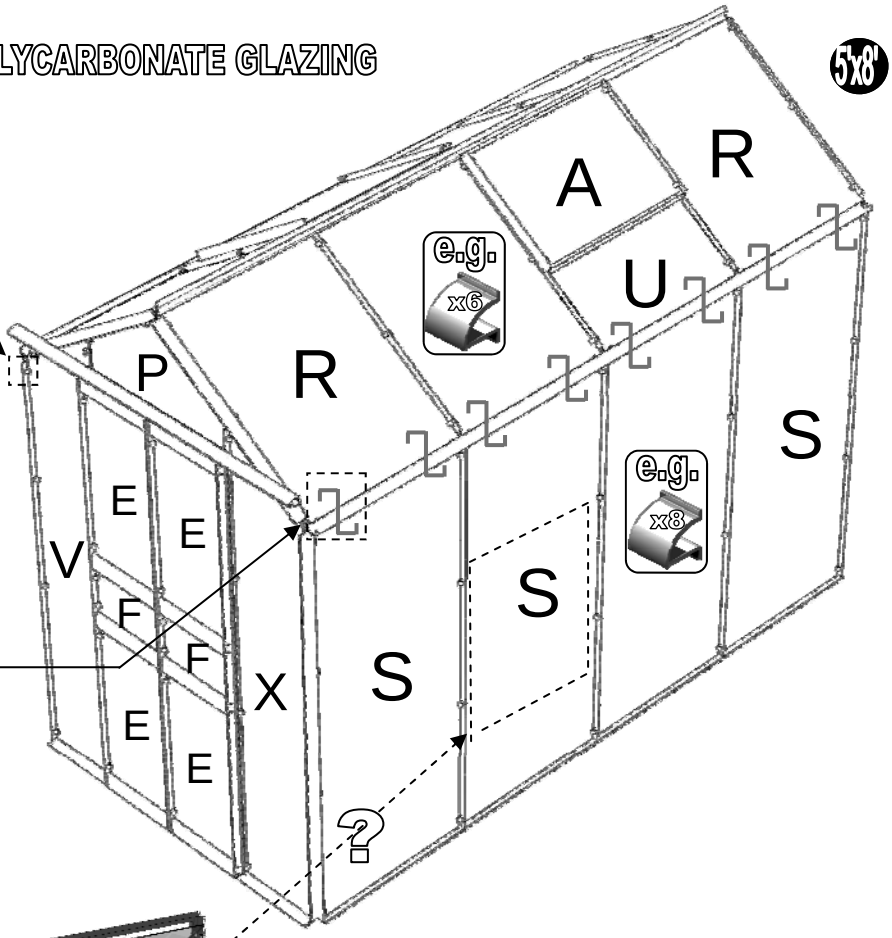


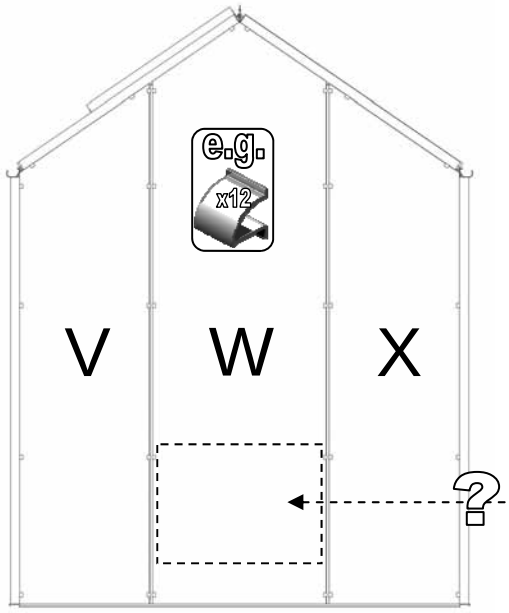
Or optional capping?

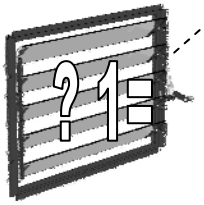


POLYCARBONATE GLAZING

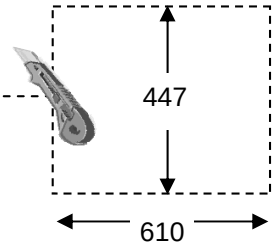
5'x8'





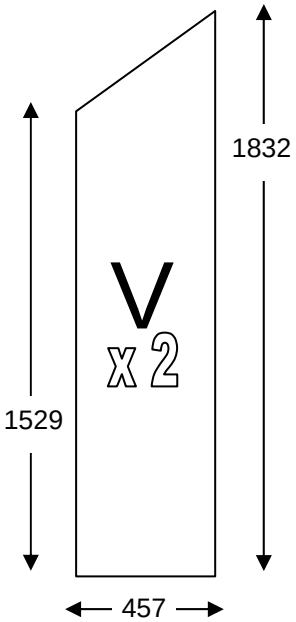


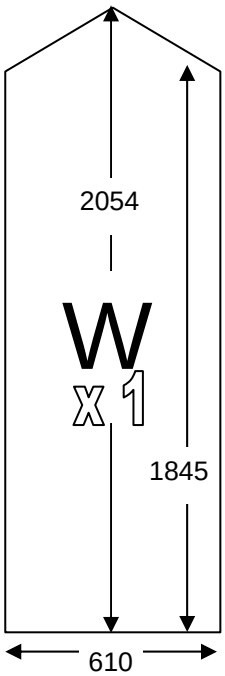
L	573 x 100	5

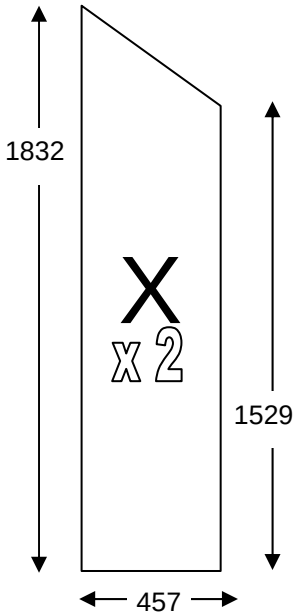


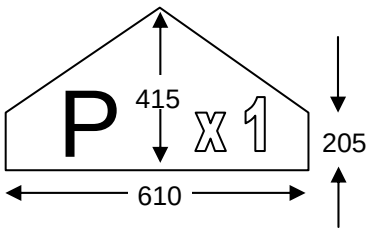
	Size (mm)	4'	6'	8'	10'	12'
S	610 X 1504	4	6	8	10	12
R	610 x 944	3	5	6	7	8
A	610 x 610	1	1	2	3	4
U	610 x 345	1	1	2	3	4
E	295 x 610	4				
F	298 x 205	2				

LOUVRE MUST GO BACK CENTRE
ON THE 5X4 MODEL

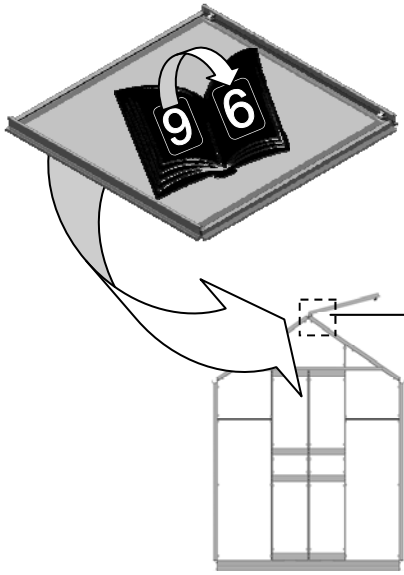








8c?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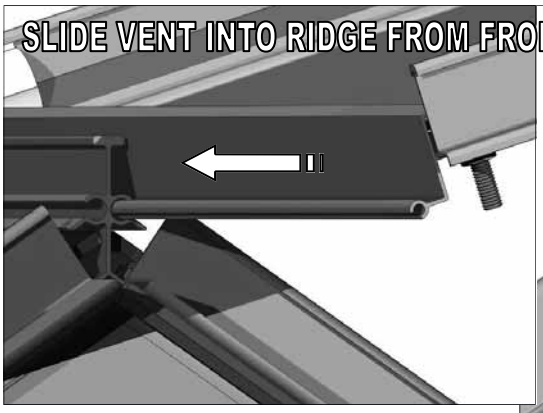
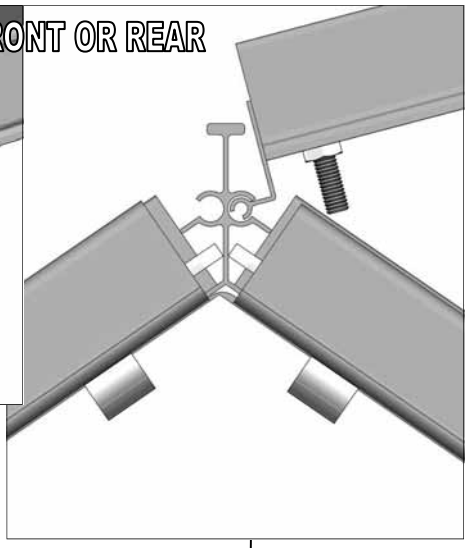
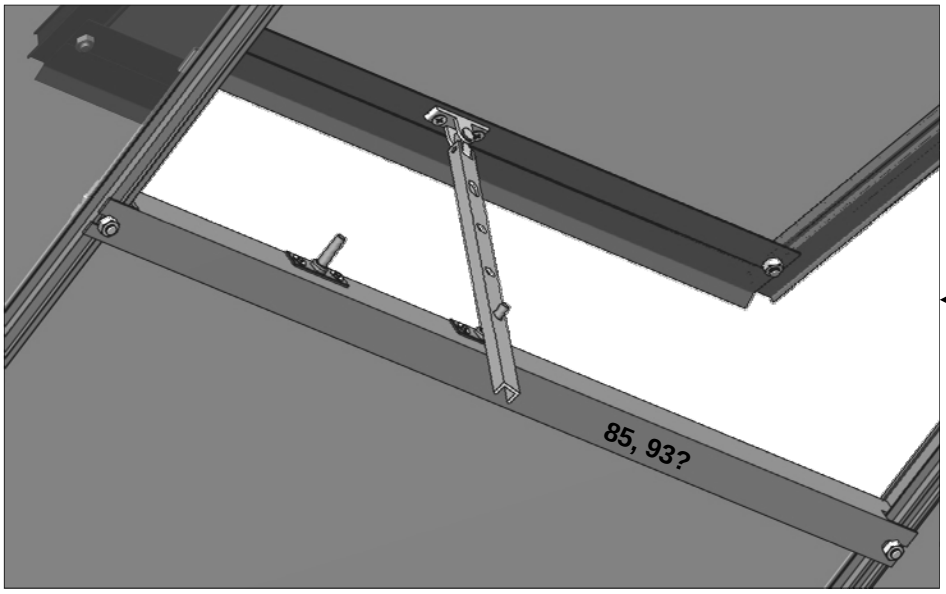
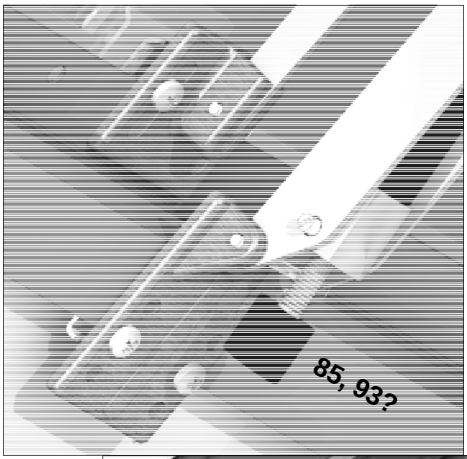

SLIDE VENT INTO RIDGE FROM FRONT OR REAR

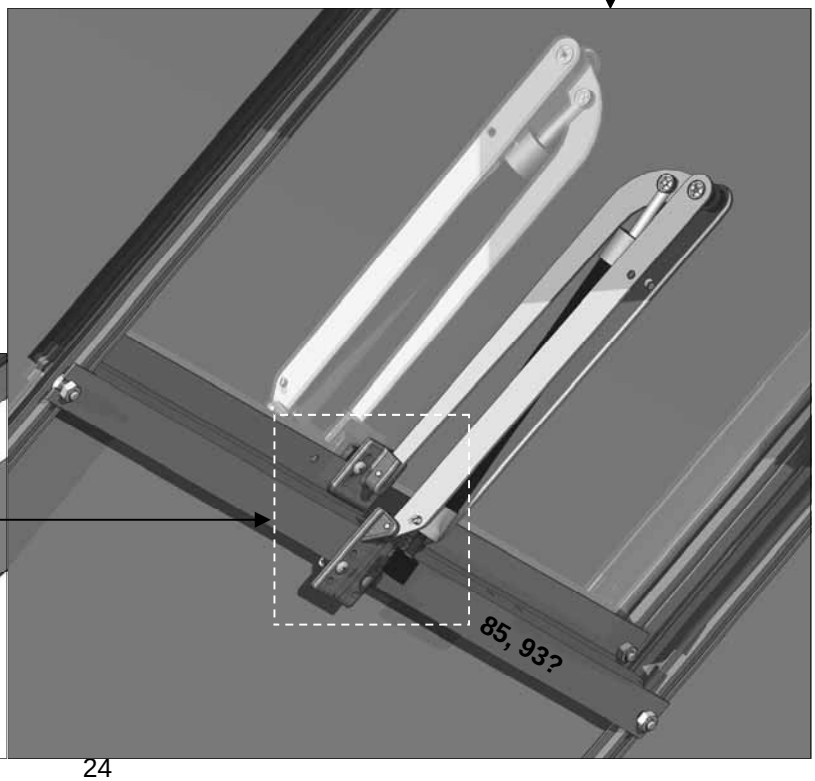


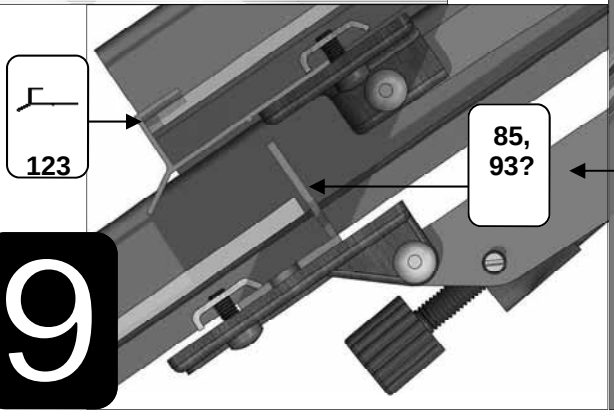

85, 93?

9
5

OPTIONAL

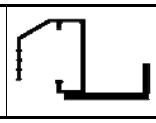

85, 93?

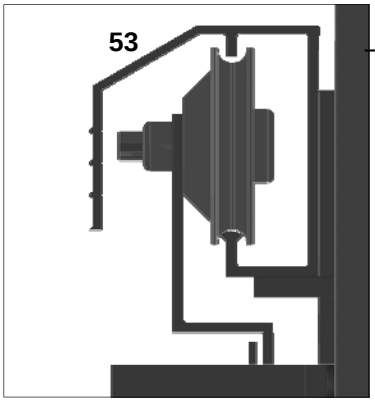

85, 93?

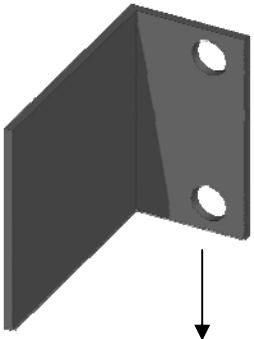

123
85,
93?

9

Attach upper door track 53 to the two bolts left ready in section 2 with nuts (position 53 vertically and push it through the central section between the two glaze bars. Twist 53 so that the slots in the mounting bar are facing upwards). Slide doors into upper track (53) and lower track (173), adjust the height of 53 until the door is running smoothly leaving enough room for the pane of glass above.

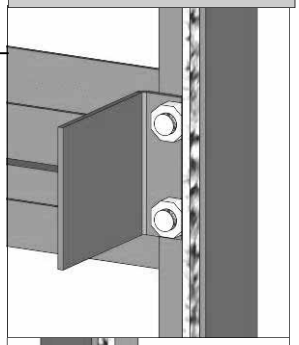
53		1284	1

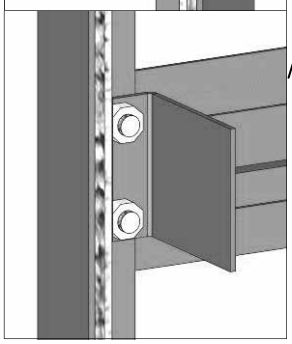


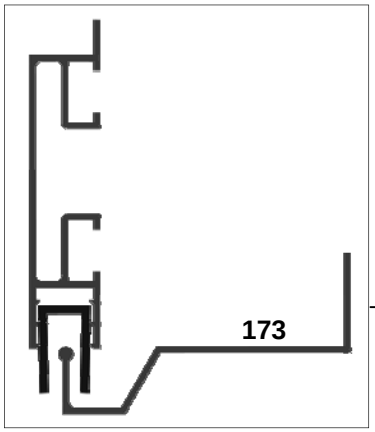


x 2

Carefully remove 2 nuts from door rear and attach door stop/ handles (see diagrams below). Re attach the nuts!

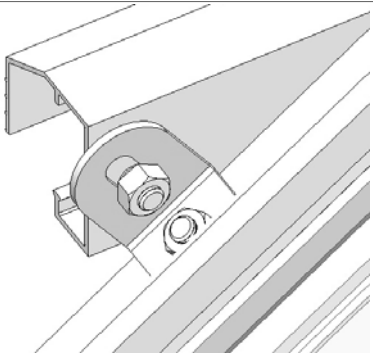




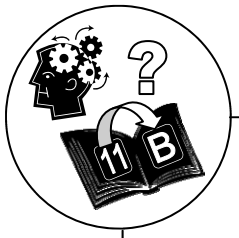


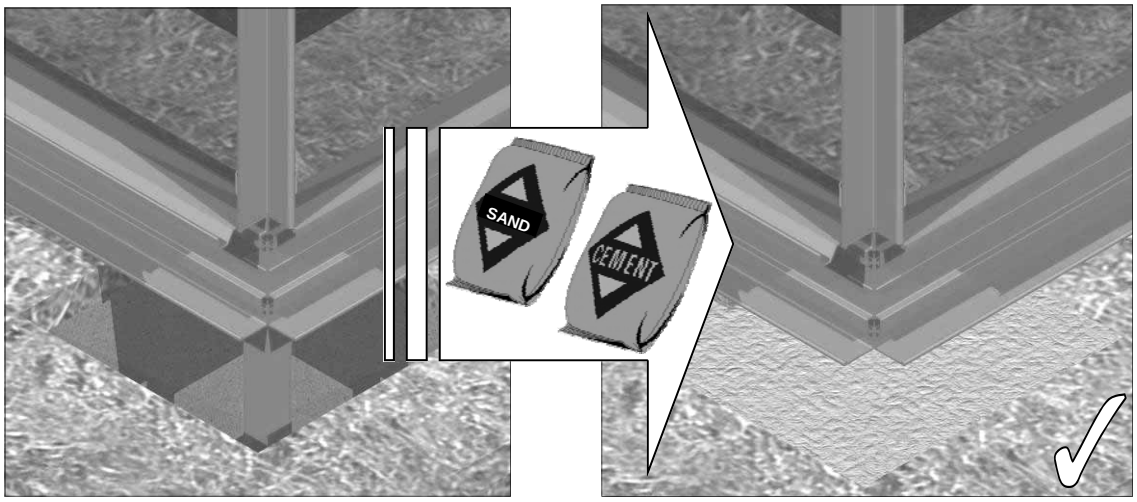
Two brackets are supplied to help support each end of the door track '53' when the doors are in the open position. A hole is pre-punched into the rear face of '53' at each end.

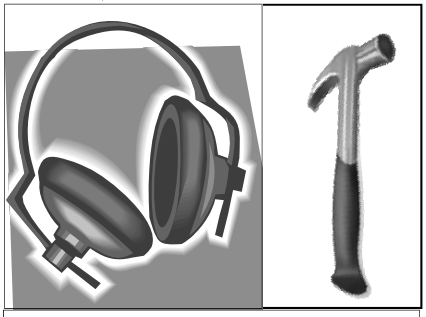
You can also drill a 6mm hole in each of the front roof corner bars if you wish. The holes position is determined by the height at which you have set your doors, attach the bracket to '53 firstly and then drill through the other bracket hole.

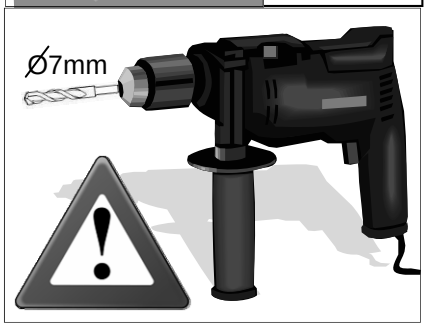


10

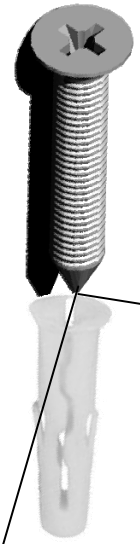


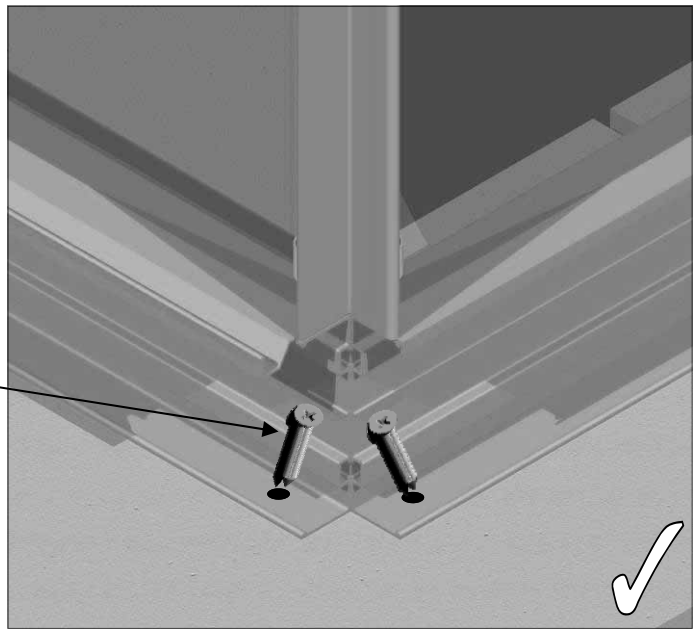


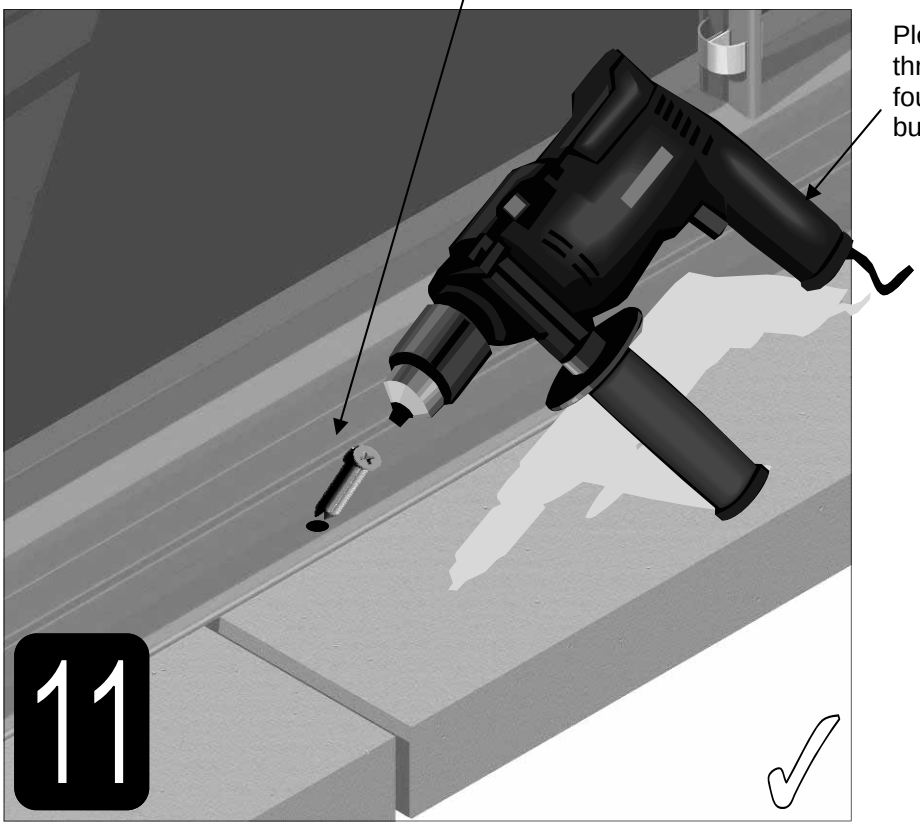




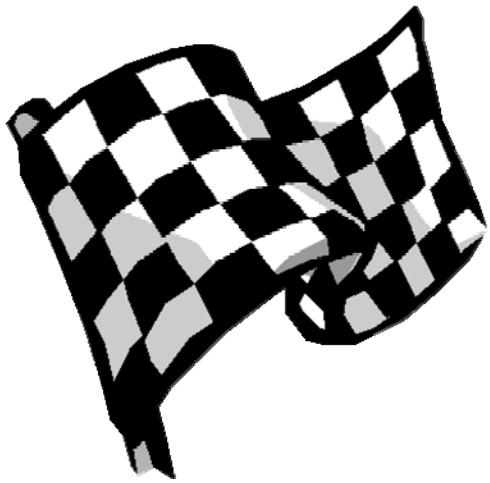
No 10 x 2”







Please note you will have to drill and screw through your metal base and into your solid foundation at an angle from outside the building.



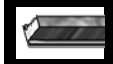
Hints and Tips!

To help waterproof the building it is a good idea to use a transparent all-weather silicone inside and outside of the building where there are any gaps. Also the top of the vents can be siliconed.

Inside eave area siliconed.

5'HE packing List 5

No	mm	4'		6'		8'		10'		12'	
1	3720									2	PACKED SEPERATELY
2	3720									1	
3	3720									2	
5	3100							2	PACKED SEPERATELY		
6	3100							1			
8	3100							2			
12	2480					1					
14	2480					2					
17	2480					2					
21	1585	2		4		4		4		4	
25	1860			2							
26	1860			1							
27	1860			2							
46	1605	3		3		3		3		3	
47	1504	2		4		6		8		10	
53	1284	1		1		1		1		1	
55	1240	2									
57	1240	1									
58	1240	2									
64	1605	1		1		1		1		1	
76	1504	2		2		2		2		2	
77	1504	2		2		2		2		2	
85	622	1									

No	mm	4'		6'		8'		10'		12'	
93	636			1		2		3		4	
121	619	1		1		2		3		4	
123	612	1		1		2		3		4	
124	610	2		2		4		6		8	
129	299	2		2		2		2		2	
131	304	8		8		8		8		8	
170	1836	2		2		2		2		2	
171	1836	2		2		2		2		2	
172	1548	1		1		1		1		1	
173	1548	1		1		1		1		1	
174	1527	4		4		4		4		4	
175	1526	1		1		1		1		1	
176	1526	1		1		1		1		1	
177	1049	2		4		4		4		4	
178	927	2		4		6		8		10	
179	916	2		2		2		2		2	
180	916	2		2		2		2		2	
181	460	2		2		2		2		2	
182	460	2		2		2		2		2	
		1		1		2		3		4	
 4m		1		1		1		1		1	
		4		4		5		6		6	
SMA DOOR		2		2		2		2		2	
		1 smalls pack for relevant building									

BOX PACKED BY ……