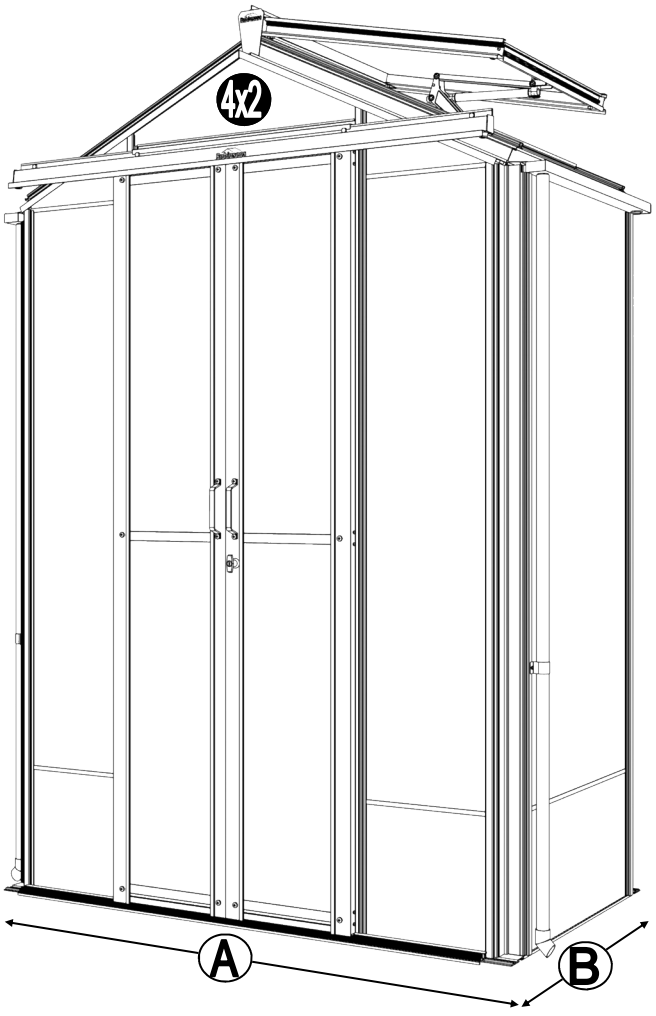
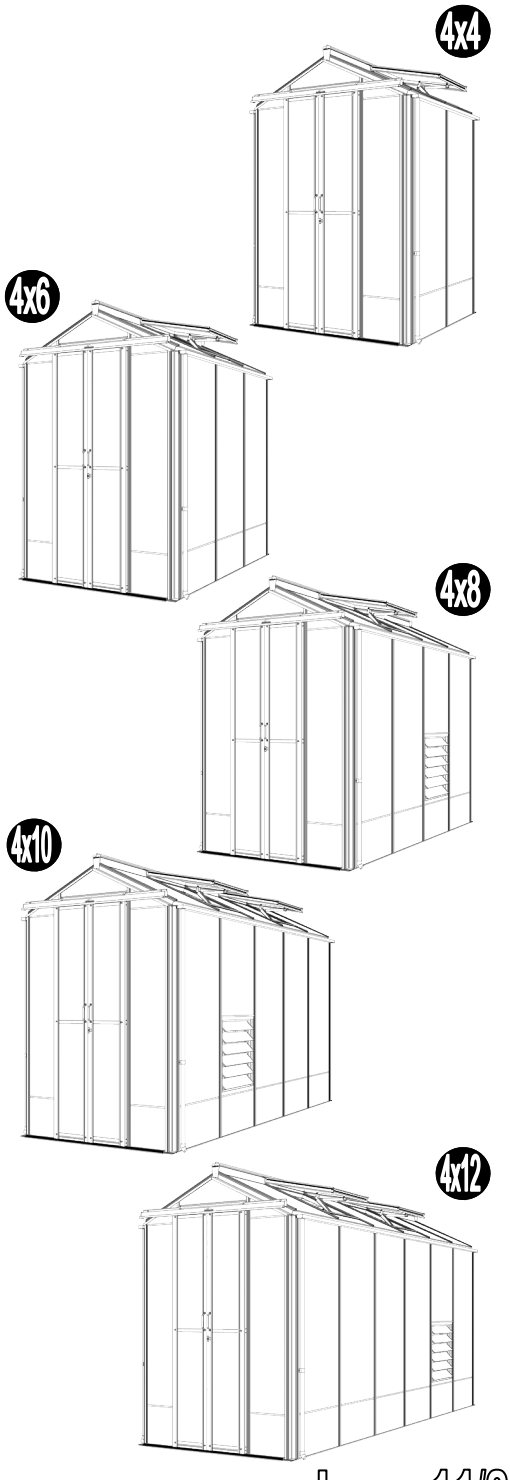
Robinsons
ALUMINIUM GREENHOUSES

Rowton
Assembly Instructions





NOMINAL SIZE	A (mm)	B (mm)
4 x 2	1354	772
4 x 4		1392
4 x 6		2012
4 x 8		2632
4 x 10		3252
4 x 12		3872

Issue 11/26

GB Thank you for purchasing your new Robinsons greenhouse. We recommend you familiarise yourself with the instructions and read all safety information before you commence assembly. This instruction manual is also available online at www.robinsonsgreenhouses.co.uk in our technical help section should you need to reprint it. Should you require any additional advice you can always call us on 01782 385409.

These instructions are divided into sections highlighted by a white number/letter on a black background at the bottom corner of most pages (see opposite page for details); **part lists**, **B**-base, **P**-preparation, **1**-sides, **2**-front gable, **3**-rear, **4**-joining the four sides together, **5**-roof, **6**-door, **7**-vent, **8**-glazing, **9**-vent attachment, **10**-door attachment, **11** anchoring down, **12** optional louvre, **13** optional shelf, **14** finishing touches. 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

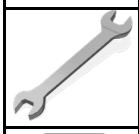
- When selecting a site for your greenhouse, it is vital that you choose as flat and level an area as possible.
- A concrete or slabbed base will provide the most solid foundation for your greenhouse.
- IMPORTANT: Do **not** fix your building down until the building is fully assembled, including glazing.
- 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. The components can be identified by their distinctive profiles, lengths and quantities detailed in the parts list (see next page).
- Anchoring down your greenhouse should be the final stage of construction (including glazing).
- Once installed your greenhouse requires little maintenance, but to maintain the smooth running of your door(s) WD40 or similar can be applied to the door wheels and lower door guides.

Guarantee

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

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

UPDATE: Robinsons plastic / aluminium cover strips -
On a Robinsons building the glazing capping is in two parts. The lower plastic capping screws into the glazing bars pressing the glass down onto its rubber beading. The upper plastic / aluminium covers then need to be applied to cover the heads of the self-tapping screws. If you are struggling to press on the cover strips then we recommend the use of a rubber mallet or perhaps a wooden block and hammer, a short sharp tap onto the cover at one end is all that is needed to stretch the cover around the lower capping protrusions locking it into place. You can then either continue to use the mallet along the length of the cover or continue just using the palm of your hand. Once in the building and the edges are protected Robinsons 4mm thick toughened safety glass is very strong and can cope with the vibrations caused by hitting the covers though we would not recommend that you hit the glass directly. Some of the aluminium cover caps have a hole in them at one end which is sometimes used to hang the parts for powder coating. You can if you wish use the hole to stop the covers from sliding in the roof using a glazing screw, note you will have to use a countersunk screw under the vents to avoid interference with the vent bottom.

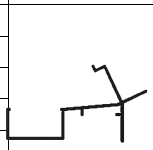
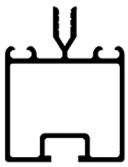


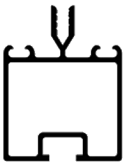


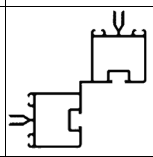
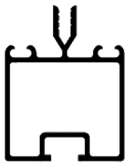
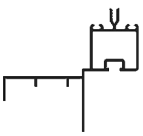


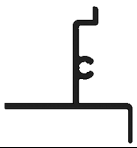
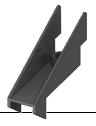
SECTION No	TITLE	ASSEMBLY SYNOPSIS: IMPORTANT INFORMATION / CONSIDERATIONS
	PARTS LIST	Identify and separate all like for like components prior to assembly. The 'parts list' also separates parts into the various sections shown below. Parts can also be identified by their profile pictures and stated lengths etc..
B	BASE	Base dimensions and recommendations. Ensure that your base is level as this will make assembly of the building, especially the glazing of the roof much more straight forward.
P	PREPARATION	Tools required. IMPORTANT: Use WD40 or similar in the glazing bar channels and insert the black glazing rubber prior to frame assembly.
1	SIDES	Take the side glazing bars 'D066' with the rubber inserted and the diagonal braces 'D103', use 12mm bolts to join them to the gutter and 16mm bolts to the cills (note how the head of the bolts slide into each glazing bar during construction).
2	FRONT	Again ensuring that the gable framework is rubbered-up follow the diagrams to assemble each end of the building. Make sure that you have inserted the extra bolts utilised in sections 4, 5 and 10. On the roof and side corner bars not every rubber channel will require rubber.
3	REAR	
4	JOINING THE FOUR SIDES	Take the two sides (1) and both gables (2 & 3) and join them together on your base. It is a good idea to tie some ladders to the sides to support them if you do not have anyone to hold them for you.
5	ROOF	Attach the ridge and then the rubbered-up roof bars ensuring that they are fully butted up to the ridge and down onto the gutter. If you have cresting then it is a good idea to fit it before glazing, see section (14).
6	DOOR	Construct the door using the diagrams and then leave to one side ready for attachment in section (10).
7a	VENT	Once the vent is glazed add silicone to the vent sides and top. Stand the vent/s on their hinge (vent top) and then leave the silicone to set.
7b	VENT SLAM	The slam bar 'D079' can be moved up and down between the roof glazing bars so that it can be butted down onto the pane of glass beneath, the autovent will be attached to it later on (9).
8	GLAZING	Layout the bar capping and covers around the building like a sundial checking that all is present and correct. You can also place the roof capping in the gutters so they are closer to hand. The glass in the sides has to bevel on the black separator strip which is on top of the 305mm high glass base panels. This bevelling action allows the glass to tuck underneath the gutter canopy. Use the capping and the self tapping screws to then hold the glass in place. The covers then enclose the screw heads giving a neat finish. A top tip is to not attach the door post capping (D766/D767) until you have fitted the door runner and threshold (10) to give you more room to manoeuvre. 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,
9	VENT ATTACHMENT	Take the assembled vent and slide the vent hinge 'D866' into the end of the ridge allowing the vent to pivot open and closed. Vent stops go either side of the vent to stop any lateral movement (so insert stop / vent / stop). Attachment of autovent/s.
10	DOOR ATTACHMENT	Use the bolts inserted in section (2) to attach the upper door track. The lower door runner 'D860' and ramp threshold 'D087' push down and lock together.
11	ANCHORING DOWN	Now that the greenhouse is finished and the door and vent/s are operating without interference then you need to anchor the building down using 2" rawl plugs and screws. Use a 7mm masonry bit in a hammer drill to create the holes.
12	OPTIONAL LOUVRE	They attach to the building during the glazing process (8) like a piece of glass with a black separator above and below them.
13	OPTIONAL SHELVING	Robinsons integral cantilever shelving attaches to the inside of the greenhouse frame using either square / hex head bolts (for each shelf insert two into each side glazing bar 'D066' during construction of the sides (1)) or use rectangular 'crop head' bolts which can be fitted retrospectively (both sets of bolts accompany the shelving). 2' shelves can also be fitted onto the rear glazing bars 'D057' so again you may wish to pre-load them with two bolts or more. This system allows the height of the shelf to be set at an operator specific height, note it is possible to get up to three sets of shelving on each side and rear. The aluminium shelf slats come in three lengths; (2'): 620mm 'D2001', (4'):1240mm 'D2002' and (6'):1860mm 'D2003'. These slats can combine to create any length of staging required, i.e. 4'+6' = 10' etc...
14	FINISHING TOUCHES	Now that the main body of the structure is complete you can add; ridge caps, downpipe fittings, eave bungs. Images showing cresting and finial attachment, this is often easiest to do after section (5) rather than using the vent apertures later on (i.e. before glazing).

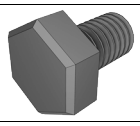
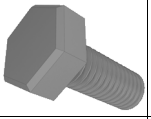
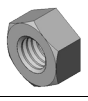
Rowton

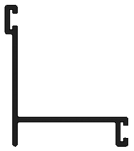
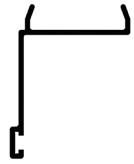
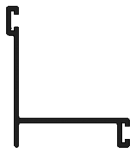
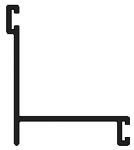
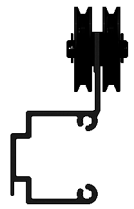
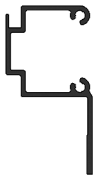
Section Ref	Part No.	Section	Size (mm)	4 2	4 4	4 6	4 8	4 10	4 12
1	D1046		654	2					
	D071		1274		2				
	D043		1894			2			
	D021		2514				2		
	D022		3134					2	
	D023		3754						2
	D1045		657	2					
	D070		1277		2				
	D042		1897			2			
	D014		2517				2		
	D015		3137					2	
	D016		3757						2
	D103		1787	2		4			
	D066		1676	0	2	4	6	8	10
	RUBBER		1000 (1m)	0	7	14	21	27	34
	D174		N/A	0	2	4	4	8	8

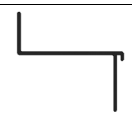
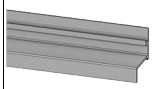
Section Ref	Part No.	Section	Size (mm)	4 2	4 4	4 6	4 8	4 10	4 12
5	D1047		657	1					
	D072		1277		1				
	D044		1897			1			
	D001		2517				1		
	D002		3137					1	
	D003		3757						1
	D1133		714	0	2	4	6	8	10
	RUBBER		1000 (1m)	0	3	6	9	12	15

Section Ref	Part No.	Section	Size (mm)	4 2	4 4	4 6	4 8	4 10	4 12
2	D1130		1366	2					
	D048		1676	4					
	D057		1830	4					
+	D1141		1703	4					
3	D111		N/A	2					
	D1131		714	2					
	D1132			2					
	RUBBER		1000 (1m)	31					
	D174		N/A	8					

Section Ref	Part No.	Section	Size (mm)	4 2	4 4	4 6	4 8	4 10	4 12
7	D866		639	1		2	3	4	
	D863L		613	1		2	3	4	
	D863R		613	1		2	3	4	
	D862		593	1		2	3	4	
	D079 PLUS FLUFF		590	1		2	3	4	
	D114		N/A	2		4	6	8	
	D220 PLUS FS6060 SCREW		N/A	2		4	6	8	
	D205		N/A	2		4	6	8	

MAIN FRAME QUANTITIES VENTS / DOORS etc SEPERATE								
		FS6505 HEX 12mm	16	22	28	34	40	46
		FS6506 HEX 16mm	26	30	34	36	38	40
		FS6504 M6	42	52	62	70	78	86

Section Ref	Part No.	Section	Size (mm)	4 2	4 4	4 6	4 8	4 10	4 12
6	D762 + D347 lock = D764		1714	1					
	D763 + D156 strike = D765		1714	1					
	D760		1714	1					
	D761		1714	1					
	D059+ D217 wheel = D060		305	2					
	D061		305	2					
	D062		305	2					
	D233		797	8					
	P053		N/A	2					
	D225		610	1 CUT					
	D840 B		4000	1					
	D263 Pack Of 7		N/A	14					
			N/A	14					
	D260 pack		N/A	24					

Section Ref	Part No.	Section	Size (mm)	4 2	4 4	4 6	4 8	4 10	4 12
8	D812		1660	0	2	4	6	8	10
	D815		1830	2					
	D1060		50	2					
	D1135		724	0	2	4	6	8	10
	D813		1675	4					
	D766		1773	2					
	D834		1660	4					
	D1134		722	4					
	D1136	PLASTIC	724	4	6	8	10	12	14
	D825		1660	4	6	8	10	12	14
	D826	 OR	1677	4					
	D827		1832	2					
	D767		1773	2					
	D1059	ALUM...	50	2					
	D800/ B		588	1					
10	D864		590	1					
	D860		1240	1					
	D087		587	1					
	D082		1270	1					
	D081		1270	1					
	D163		90	2					
	D150		N/A	1					
	D222 /B		590	1					
	D204 L&R /B			1 + 1					
	D845			2					
	D312			2					
	ANY OTHER PARTS IN YOUR DOOR PACK ARE REDUNDANT ON THIS MODEL!								

Rowton

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

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

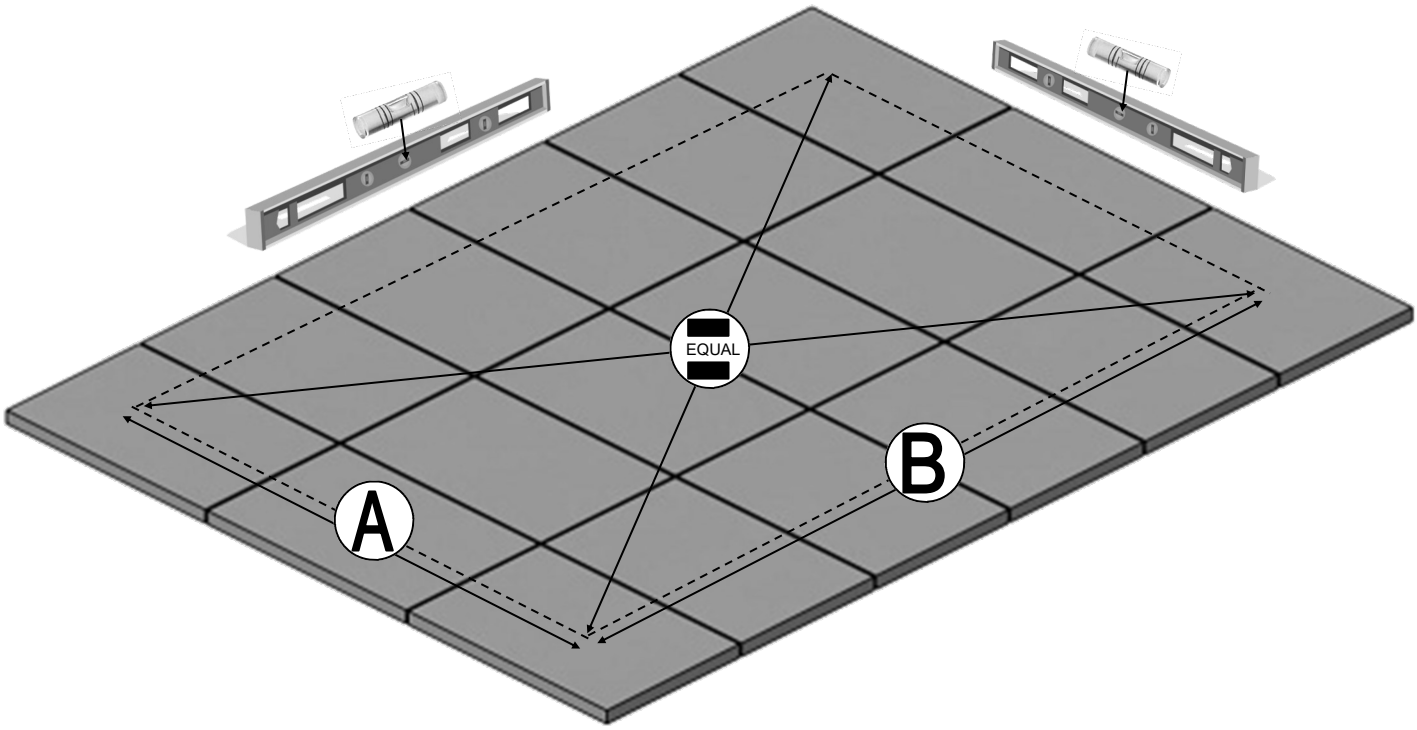
It is essential that the **BASE IS FLAT, LEVEL AND SQUARE AS WELL AS BEING SUBSTANTIAL** enough to take the weight of the greenhouse including its 4mm glass.

Give yourself enough room around your base to allow for fitting the glass and any on-going maintenance / cleaning. A slab base which is larger than the greenhouse is the ideal solution and is our preferred foundation.

A brick perimeter base is equally suitable providing there is a concrete foundation beneath it. We suggest using a solid brick with no frogs or holes (quality stock bricks or semi-engineering bricks).

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

IMPORTANT: If you have anything overhanging the ridge on a lean-to building then please make sure it does not interfere with the motion of the roof vents.

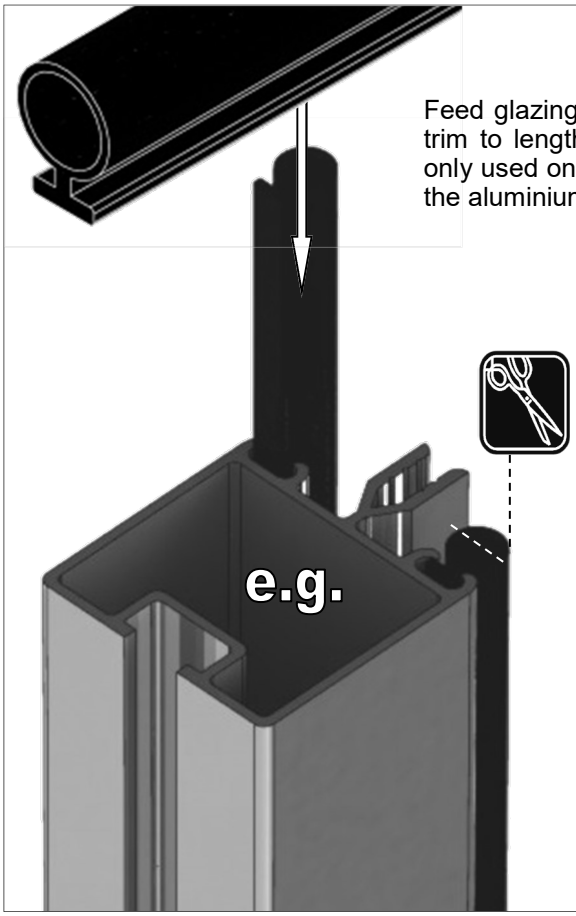


EXTERNAL DIMENSIONS (mm)

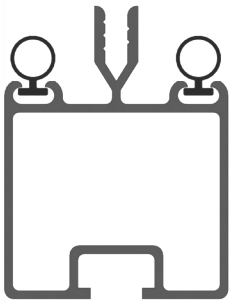
Model sizes listed are **nominal**,
use 'mm' measurements.
i.e.: an 4 x 10 is the model 4'6" x 10' 8"

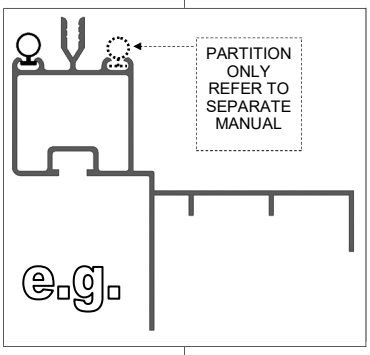
MODEL		A (mm) WIDTH	B (mm) LENGTH	C (mm) DIAGONAL
ROWTON	4 x 2	1354	772	1559
	4 x 4		1392	1942
	4 x 6		2012	2425
	4 x 8		2632	2960
	4 x 10		3252	3523
	4 x 12		3872	4102

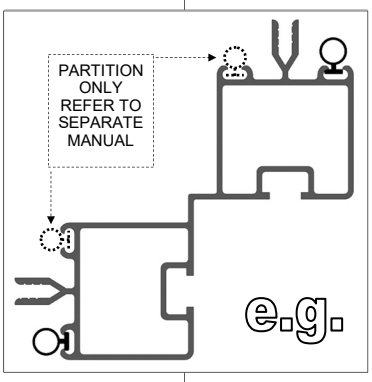
B

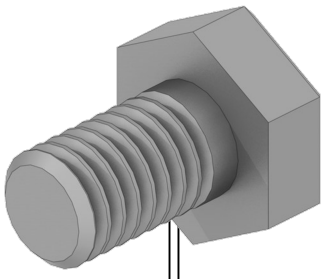


Feed glazing rubber into each glazing bar and trim to length. Notice that some channels are only used on a partition. Applying a lubricant to the aluminium channels will speed up insertion.



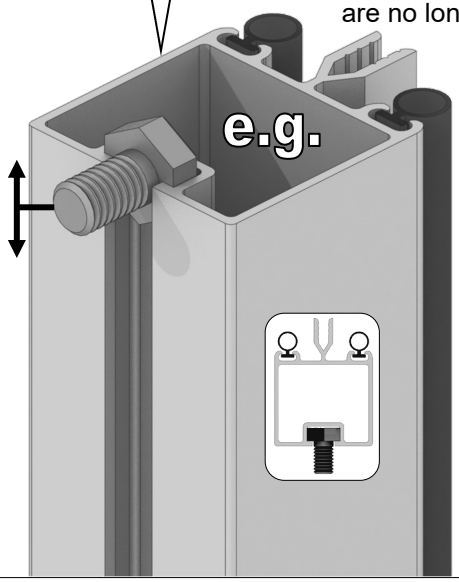




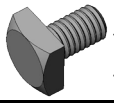
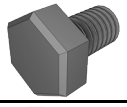
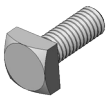
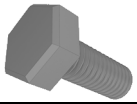


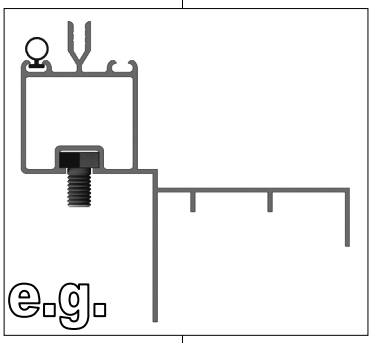
Robinsons have now upgraded the original square headed alloy bolts to stainless steel **Hexagonal** headed bolts. The frame is assembled by feeding these bolts, either 12mm or 16mm in length (previously 10mm and 15mm) into the slots on glazing bars and then locating those bolts through holes in purlings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

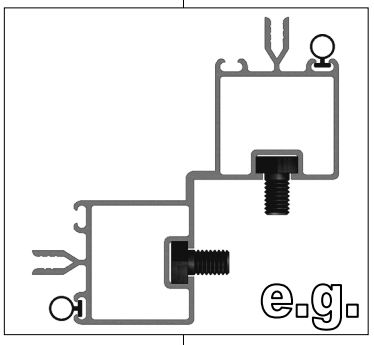
Twist in (rectangular) crop headed bolts are also used towards the end of construction to attach components to the frame retrospectively when the glazing bar slots are no longer exposed at the ends.



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

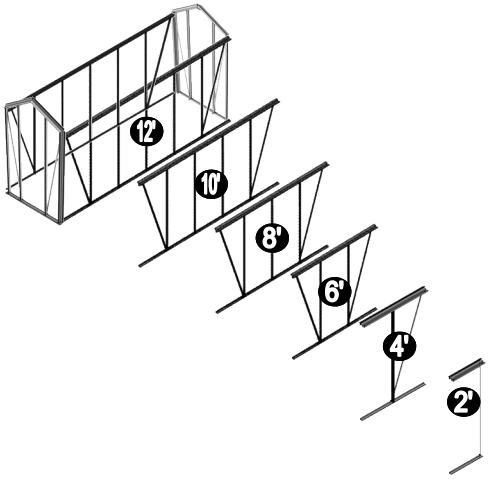
	ORIGINAL SQUARE HEAD		NEW HEX HEAD
10mm		12mm	
15mm		16mm	





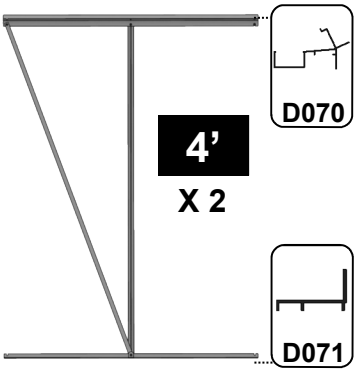
2' X 2		
Part No	mm	Quantity
D1045	657	2
D1046	654	2
D103	1787	2

On the **2' long model** the sides have no vertical side bar 'D066'. Because of this the sides have little substance and you will find it easier to skip this section '1' until you have built the front (section 2) and rear (section 3). The sides can then be built in situ during section '4' where the gutters 'D1045' and cills 'D1046' will allow the front and rear to connect.

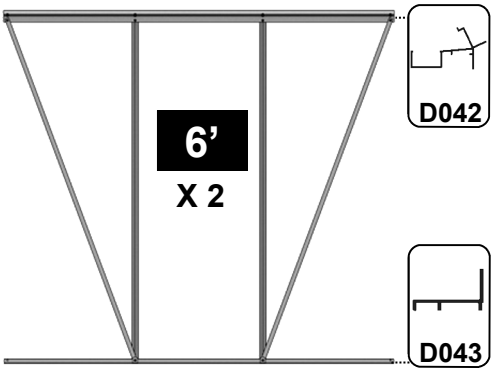


e.g.1

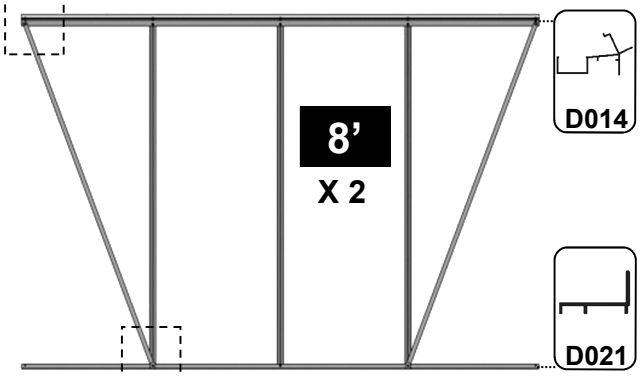
e.g.2



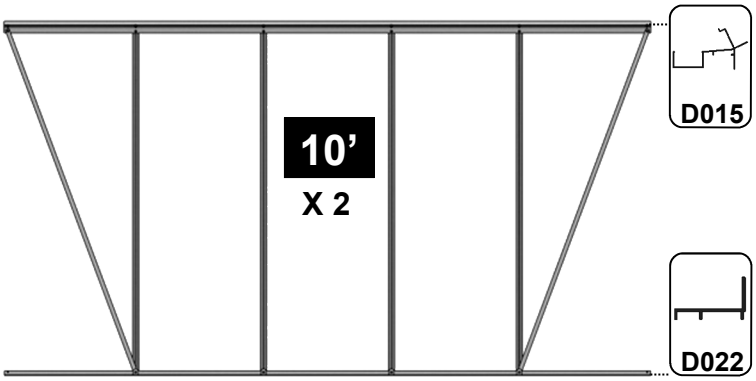
4' X 2		
Part No	mm	Quantity
D070	1277	2
D071	1274	2
D066	1676	2
D103	1787	2
D174		2
M6-12mm		2
M6-16mm		4
M6-NUT		6
Rubber	1000	7



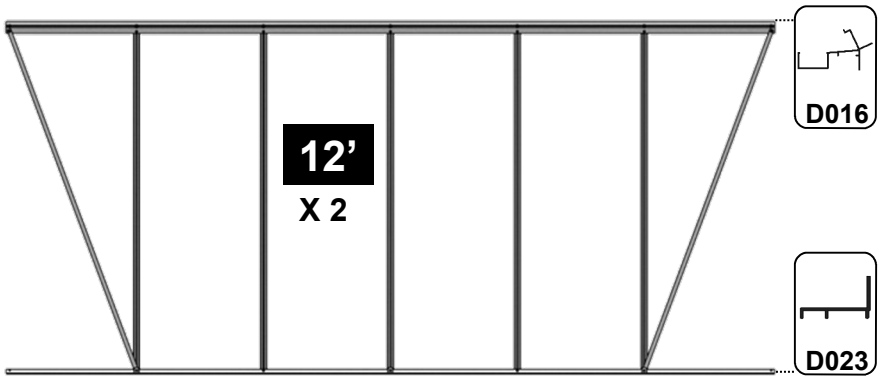
6' X 2		
Part No	mm	Quantity
D042	1897	2
D043	1894	2
D066	1676	4
D103	1787	4
D174		4
M6-12mm		4
M6-16mm		8
M6-NUT		12
Rubber	1000	14



8' X 2		
Part No	mm	Quantity
D014	2517	2
D021	2514	2
D066	1676	6
D103	1787	4
D174		4
M6-12mm		6
M6-16mm		10
M6-NUT		16
Rubber	1000	21

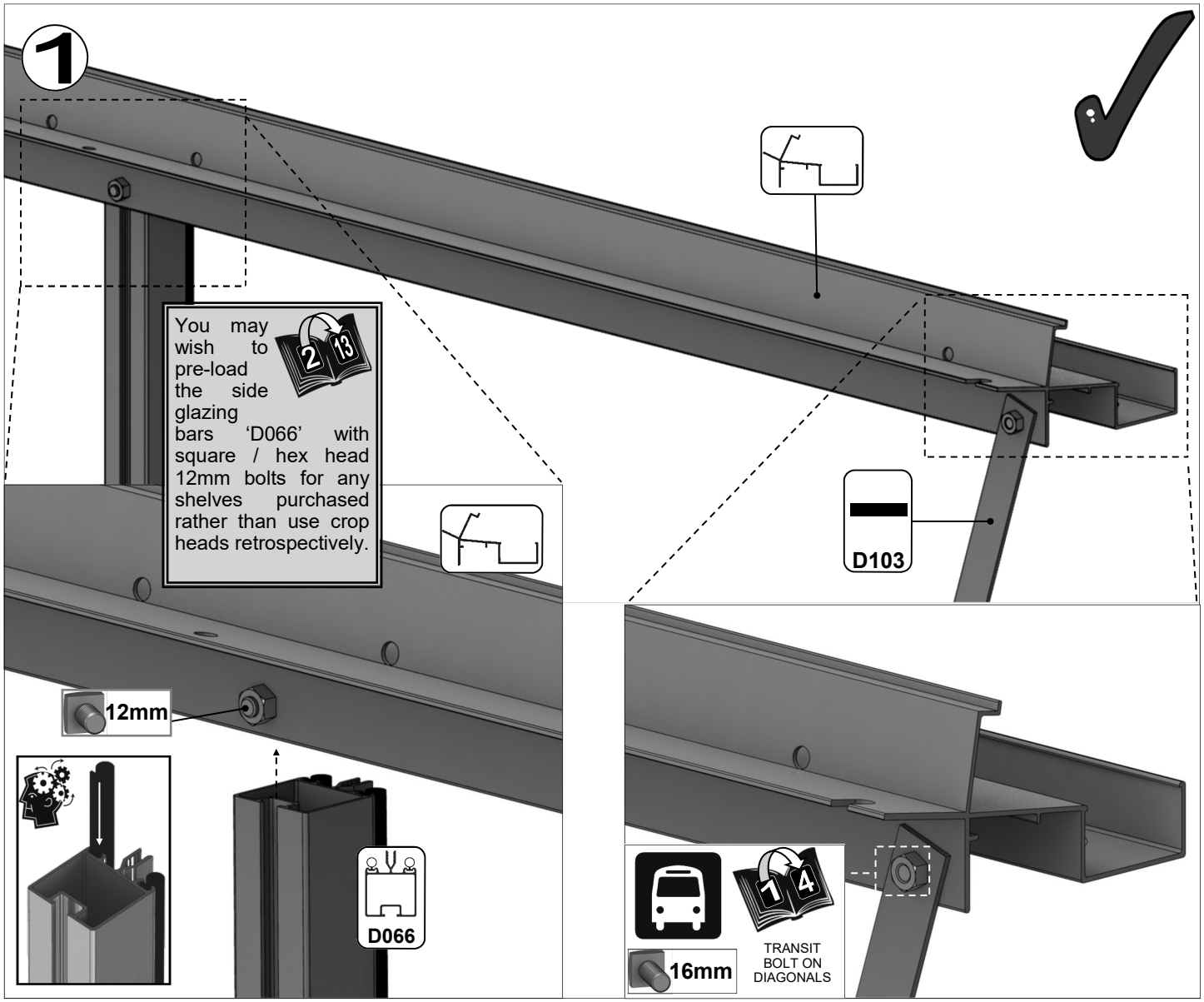


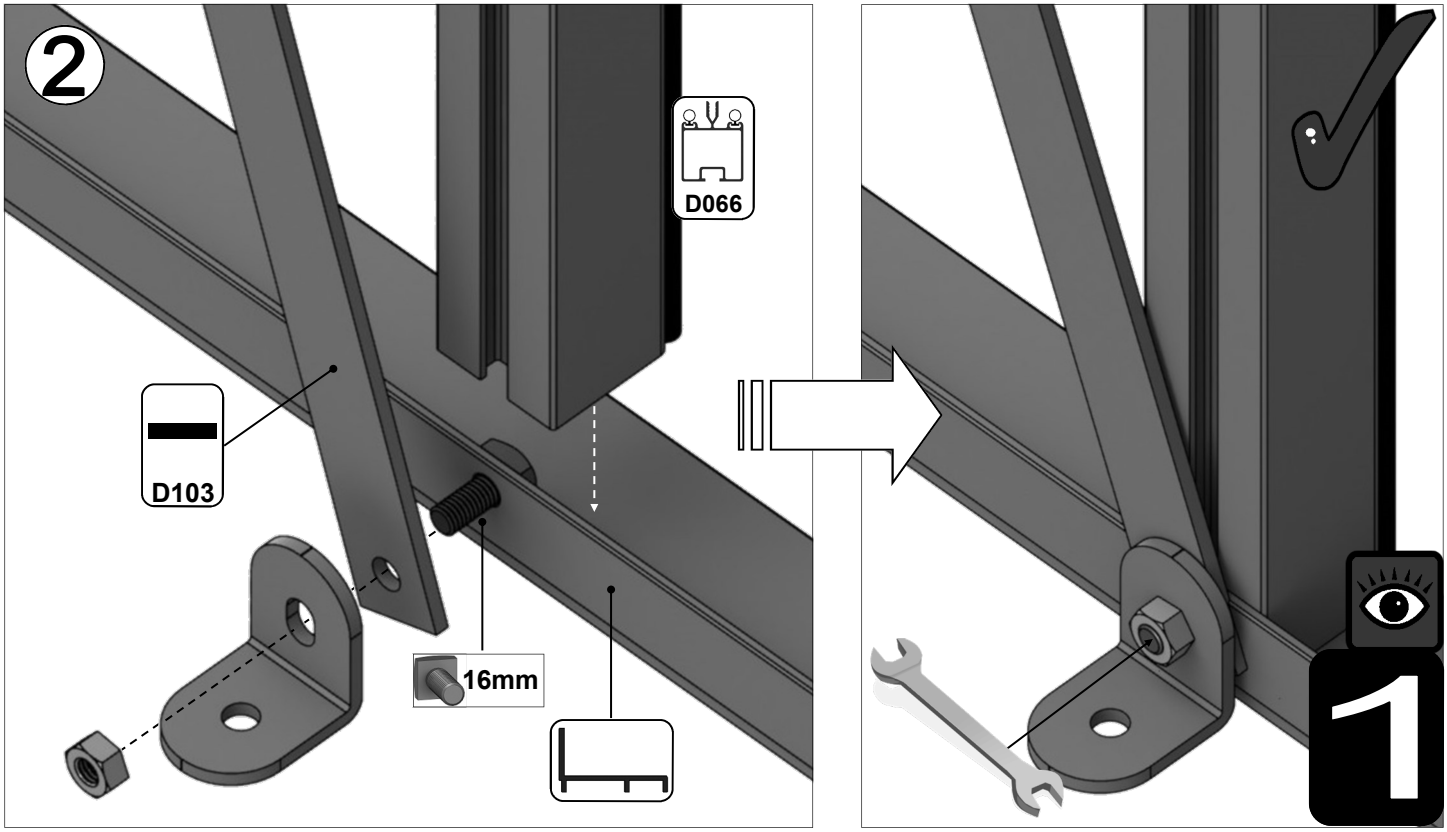
10' X 2		
Part No	mm	Quantity
D015	3137	2
D022	3134	2
D066	1676	8
D103	1787	4
D174		8
M6-12mm		8
M6-16mm		12
M6-NUT		20
Rubber	1000	27

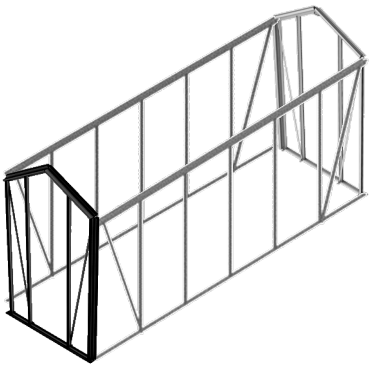


12' X 2		
Part No	mm	Quantity
D016	3757	2
D023	3754	2
D066	1676	10
D103	1787	4
D174		8
M6-12mm		10
M6-16mm		14
M6-NUT		24
Rubber	1000	34



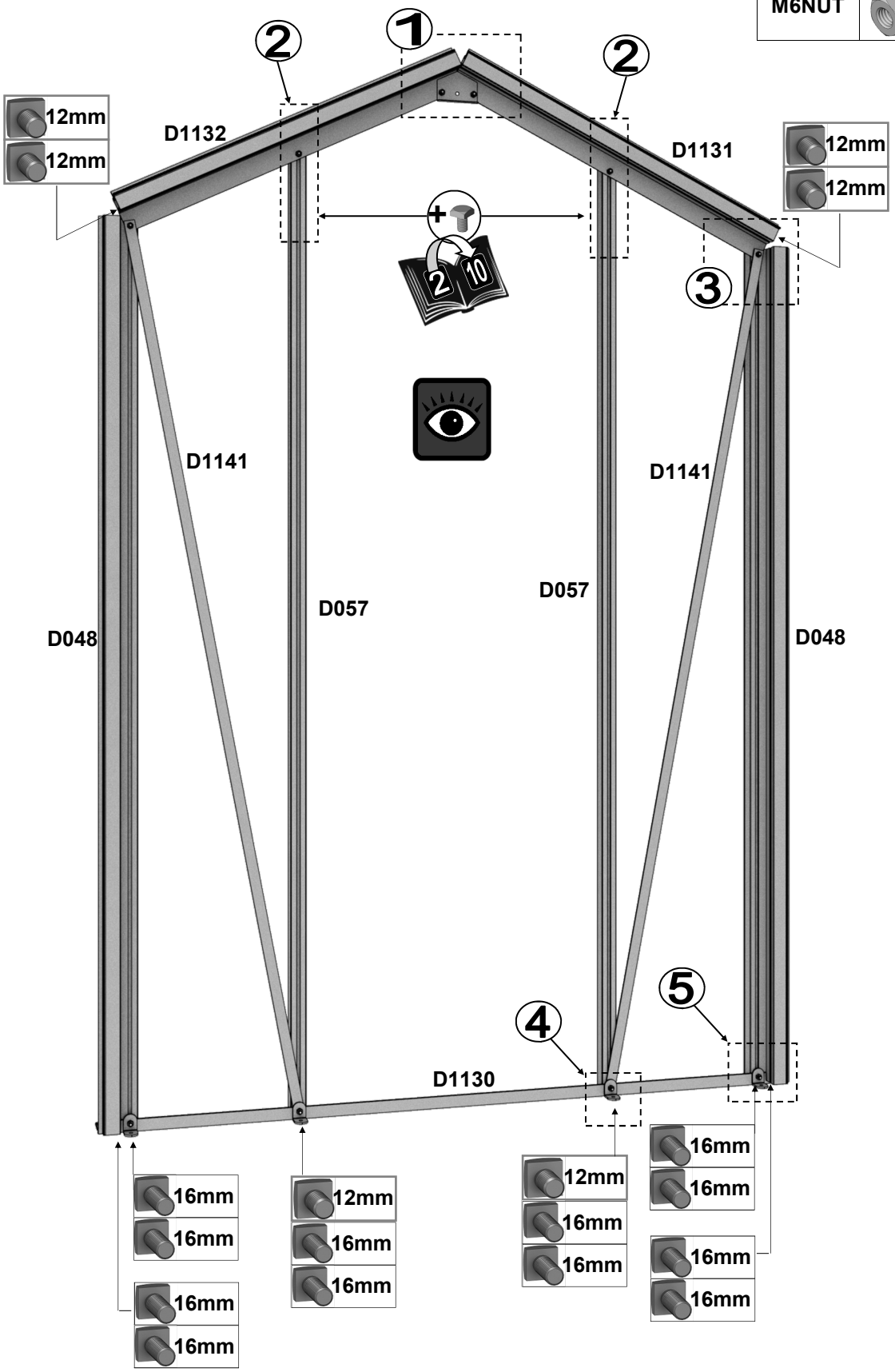

1
You may wish to pre-load the side glazing bars ‘D066’ with square / hex head 12mm bolts for any shelves purchased rather than use crop heads retrospectively.
D103
12mm
D066
16mm
TRANSIT BOLT ON DIAGONALS


2
D066
D103
16mm
1

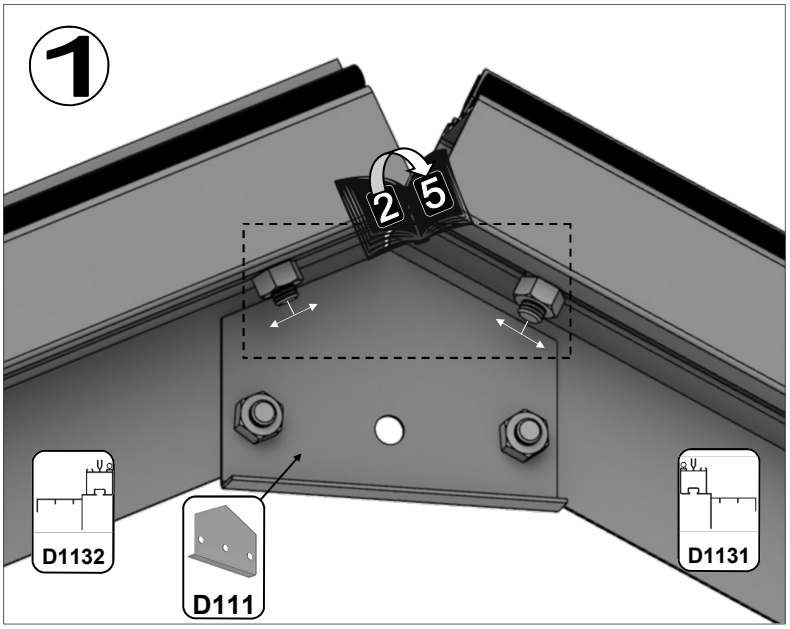


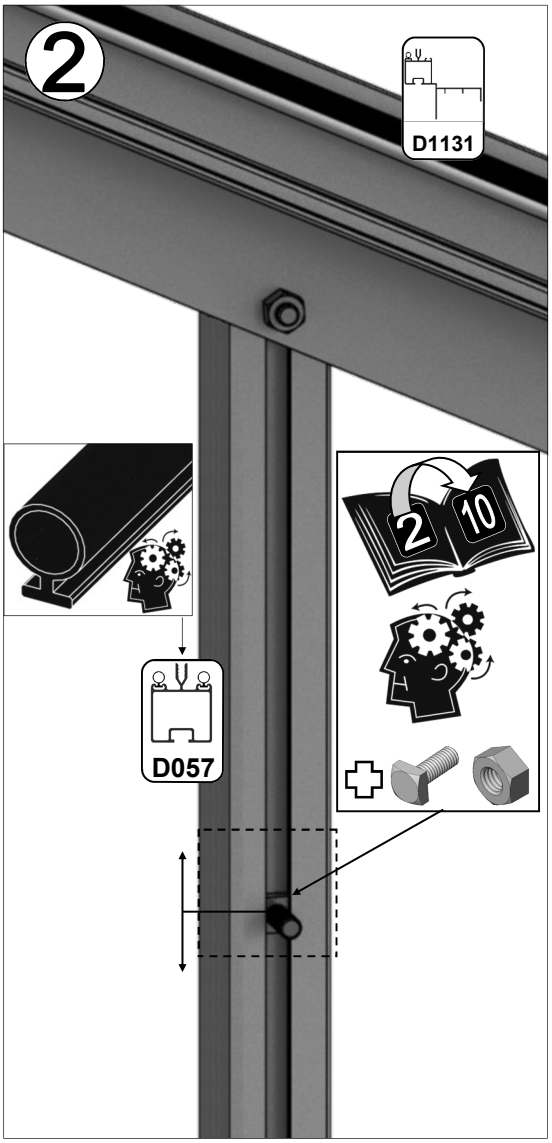
Part No	mm	Quantity
D048	1676	2
D057	1830	2
D1130	1366	1
D1131	714	1
D1132	714	1
D1141	1703	2

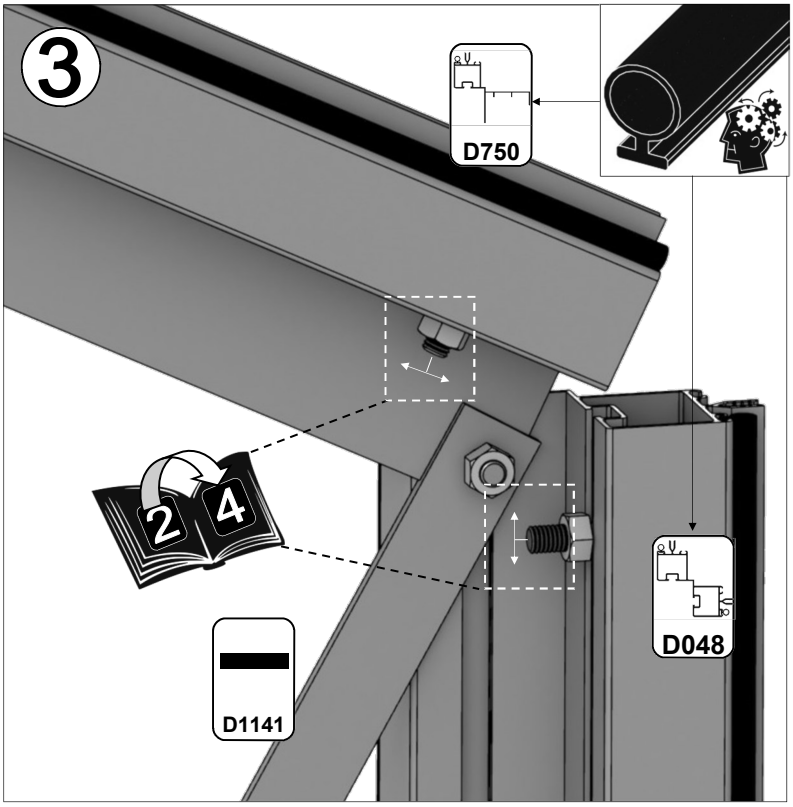
Part No	mm	Quantity
D111		1
D174		4
D227		15.5m
M6X12		8
M6X16		12
M6NUT		20

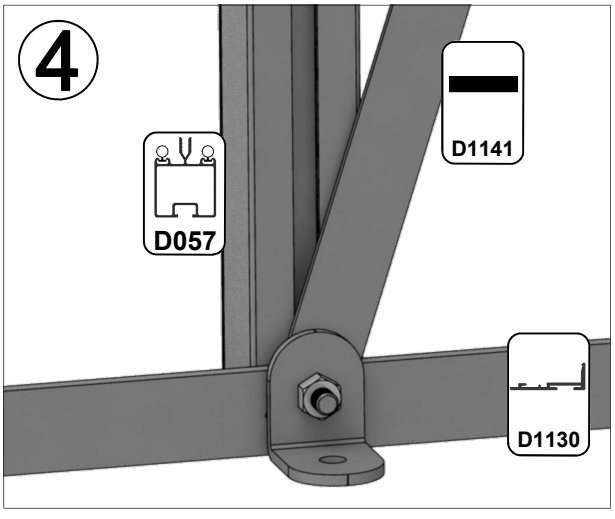


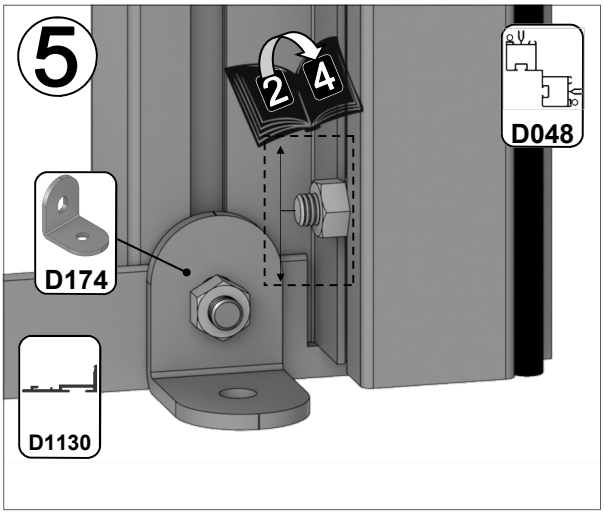
2


1
2
5
D1132
D111
D1131

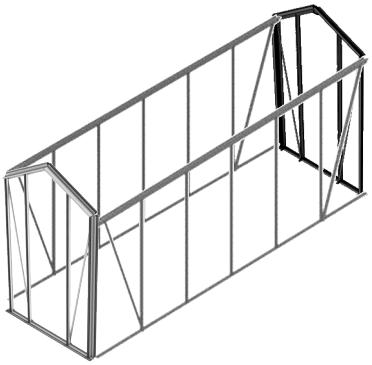

2
D1131
2
10
D057


3
D750
2
4
D048
D1141


4
D1141
D057
D1130


5
2
4
D048
D174
D1130

2

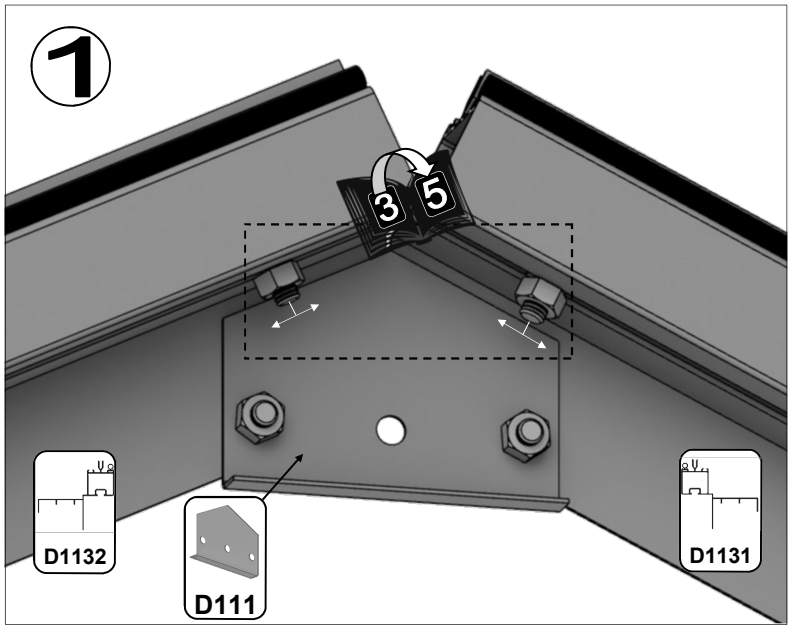


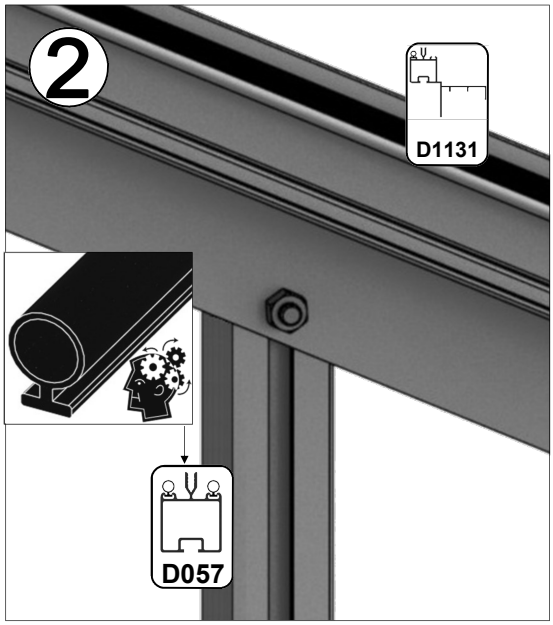
Part No	mm	Quantity
D048	1676	2
D057	1830	2
D1130	1366	1
D1131	714	1
D1132	714	1
D1141	1703	2

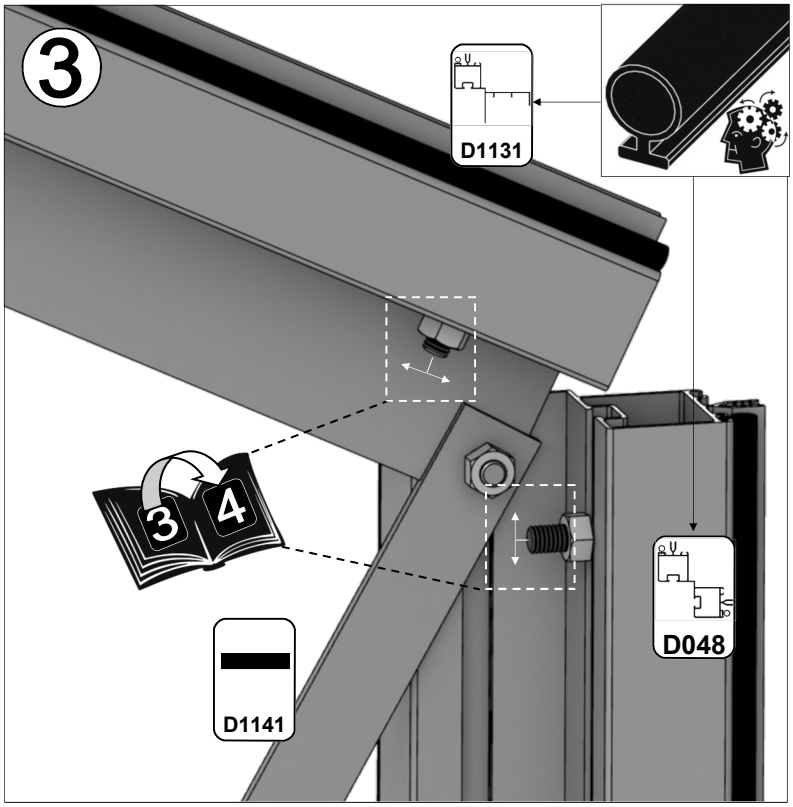
Part No	mm	Quantity
D111		1
D174		4
D227		15.5m
M6X12		8
M6X16		10
M6NUT		18

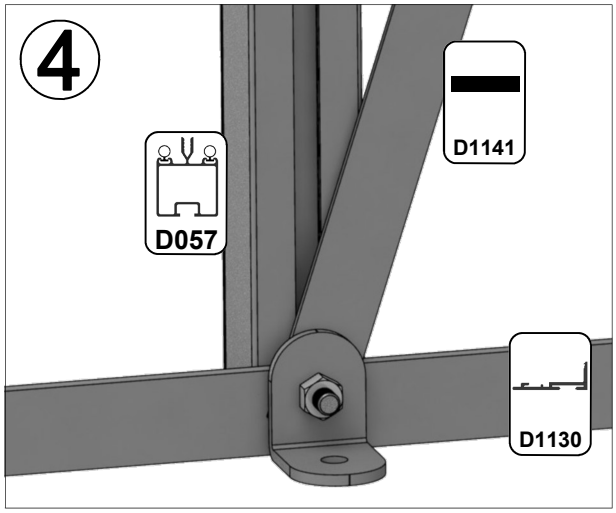
3

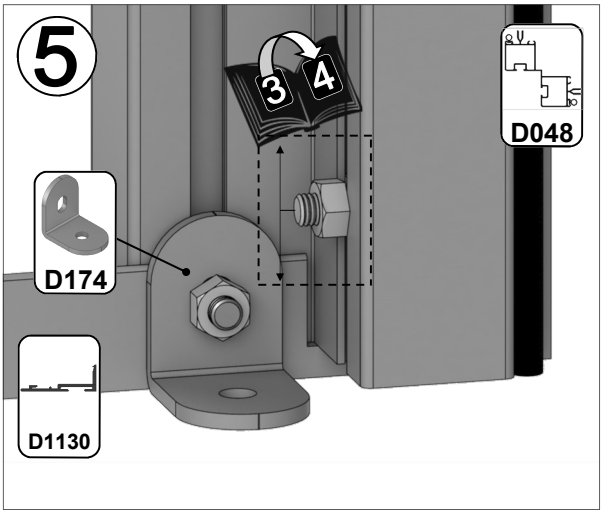
You may wish to pre-load the rear glazing bars 'D057' with square head 12mm bolts for any 2' shelves purchased rather than use crop heads retro-spectively.

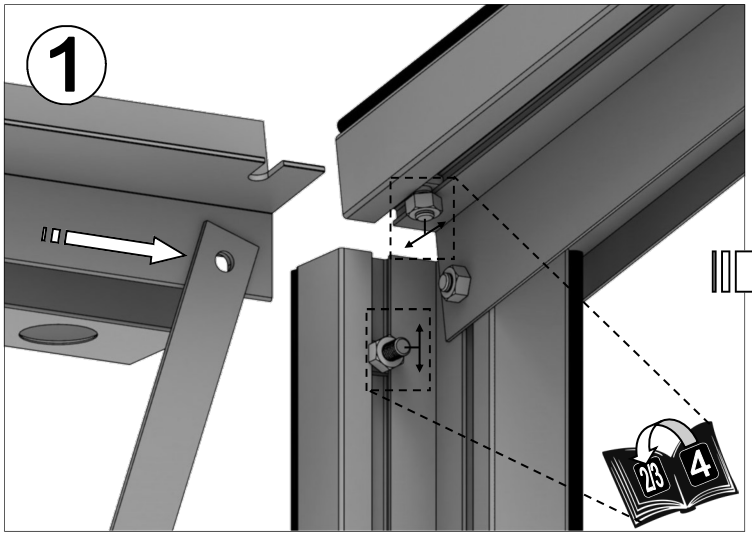

1
3
5
D1132
D111
D1131

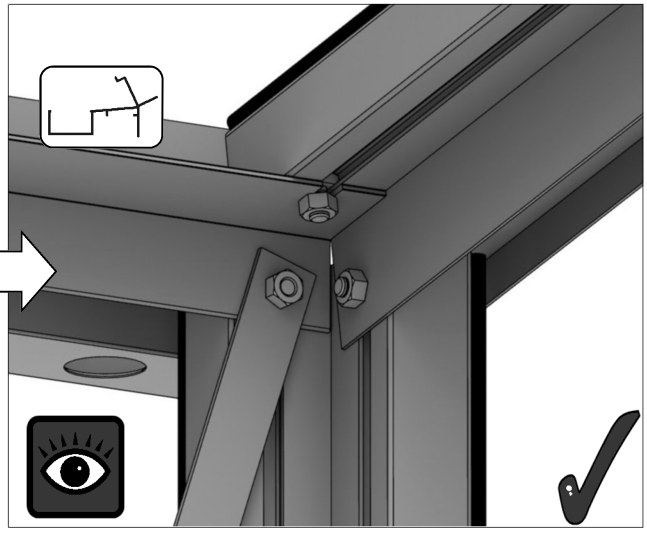

2
D1131
D057

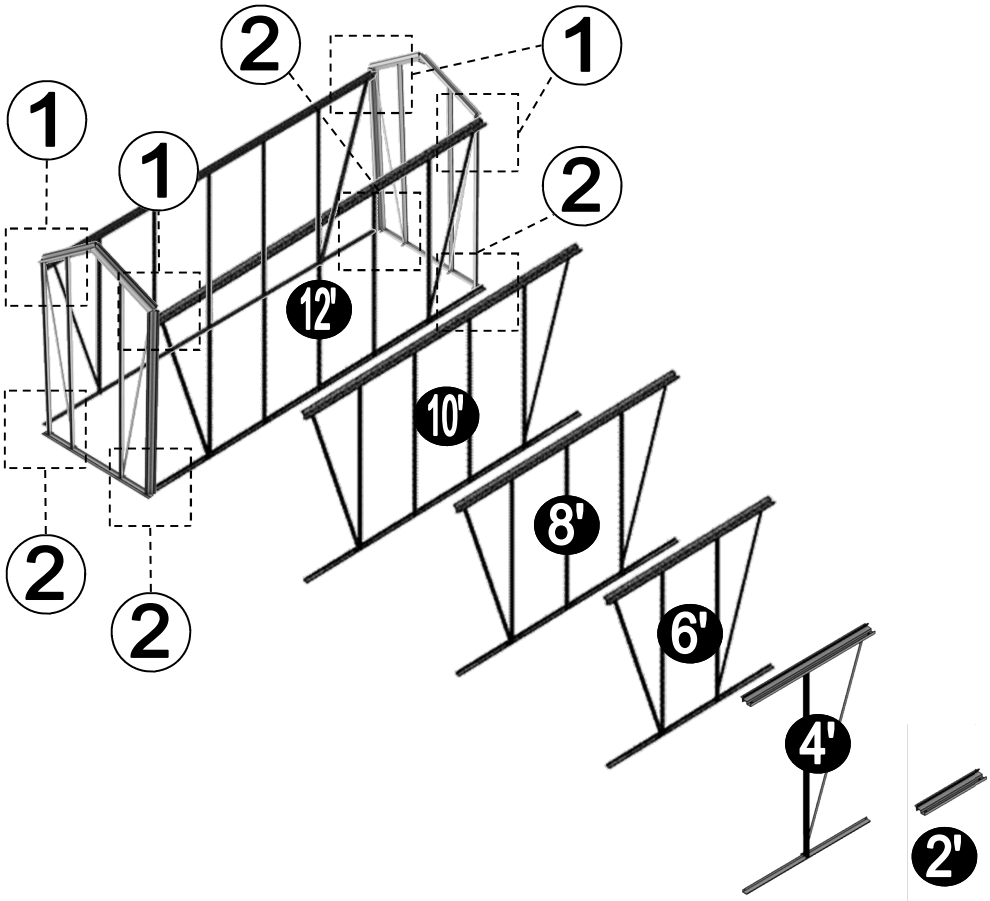

3
D1131
3
4
D048
D1141

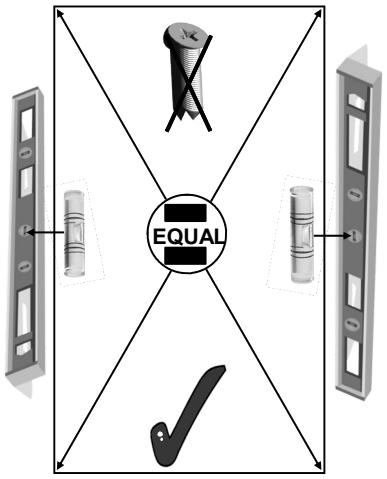

4
D1141
D057
D1130


5
3
4
D048
D174
D1130

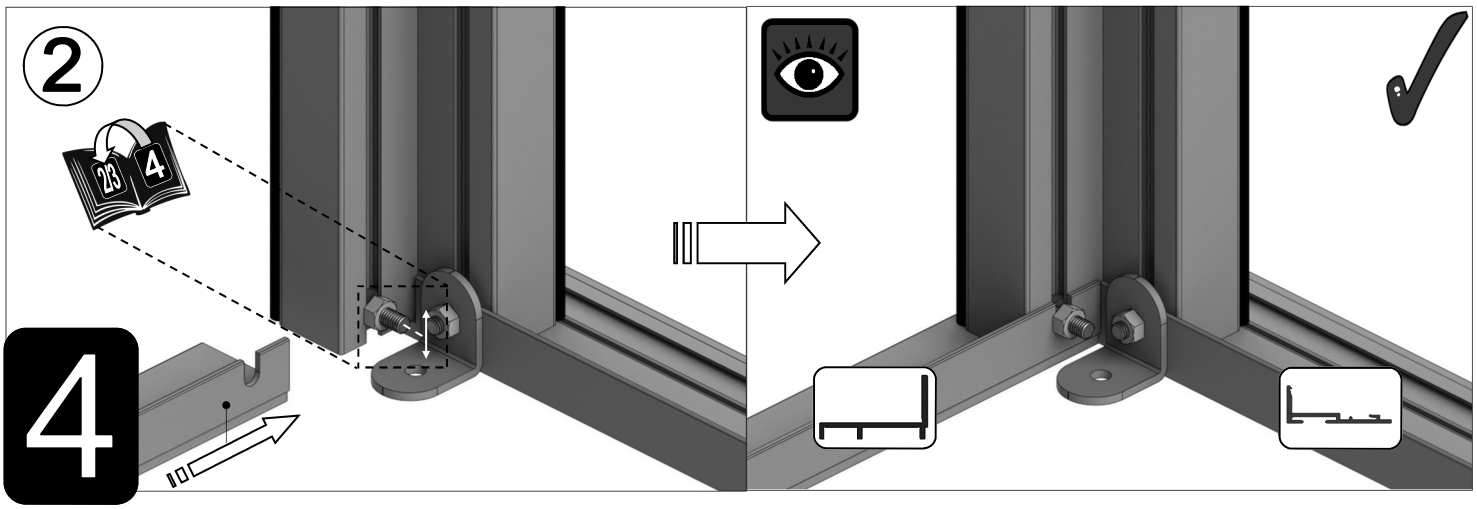

1
23
4




1
1
2
2
1
2
12'
10'
8'
6'
4'
2
2


EQUAL

2'


2
23
4
4

2’

Part	mm	Quan.
D1047	657	1

4’ (4)

Part	mm	Quan.
D072	1277	1
D1133	714	2
RUBBER	1000	3

6’ (8)

Part	mm	Quan.
D044	1897	1
D1133	714	4
RUBBER	1000	6

8’ (12)

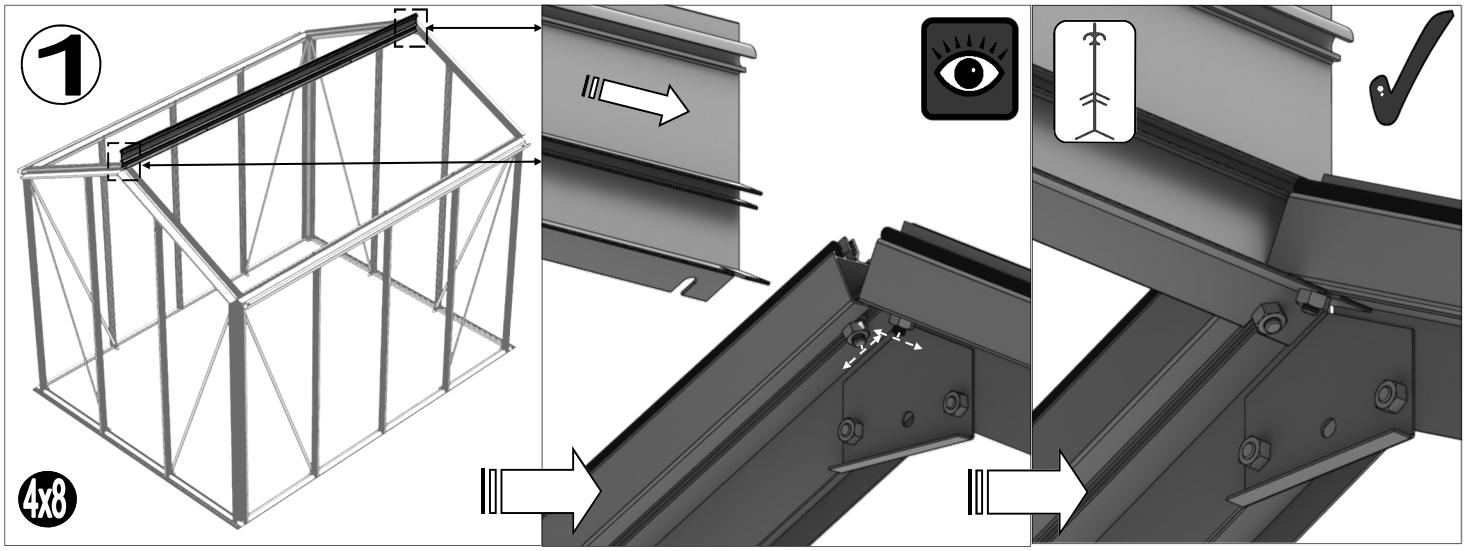
Part	mm	Quan.
D001	2517	1
D1133	714	6
RUBBER	1000	9

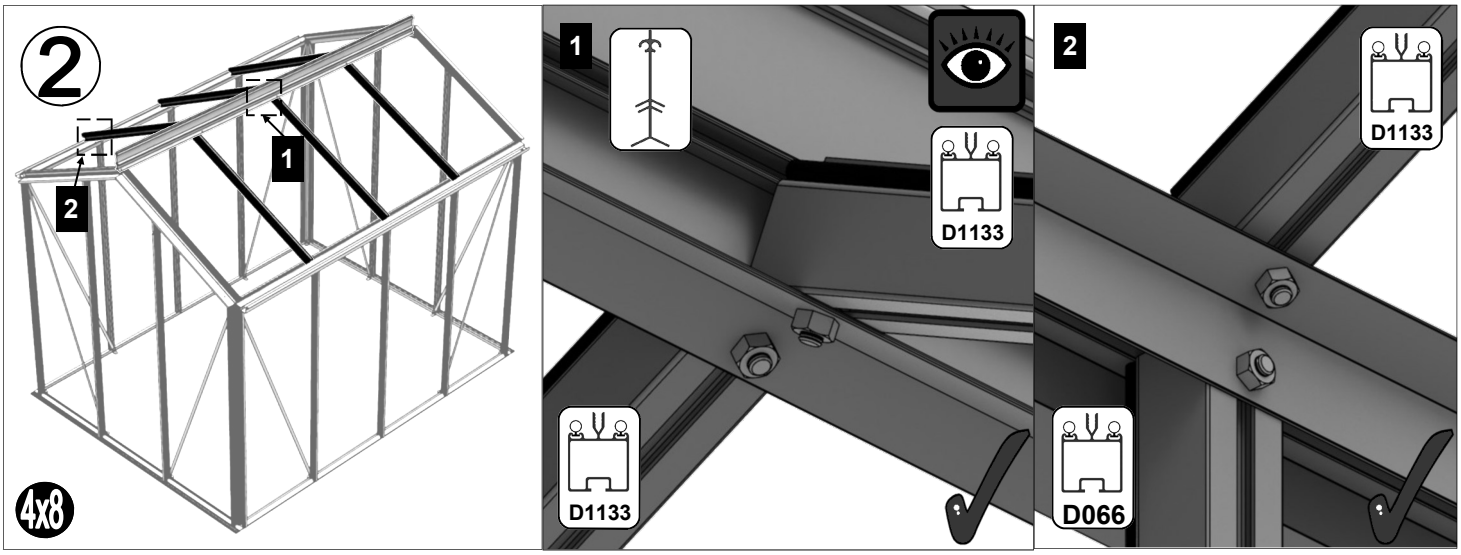
10’ (16)

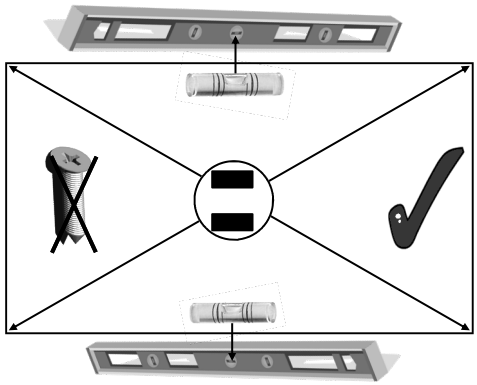
Part	mm	Quan.
D002	3137	1
D1133	714	8
RUBBER	1000	12

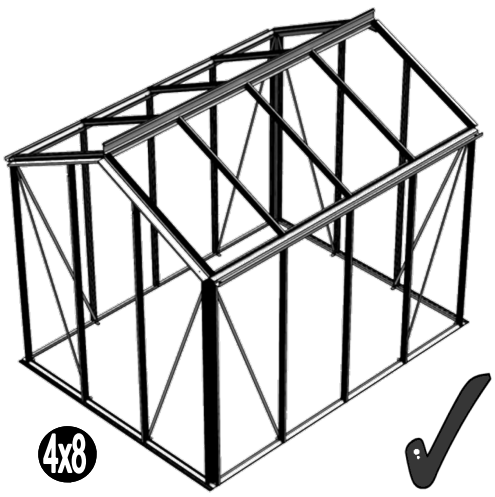
12’ (20)

Part	mm	Quan.
D003	3757	1
D1133	714	10
RUBBER	1000	15

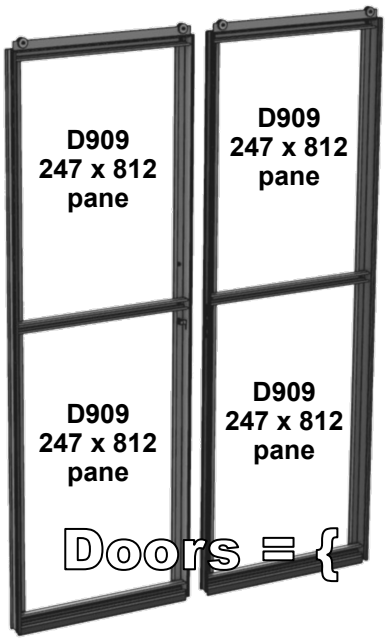






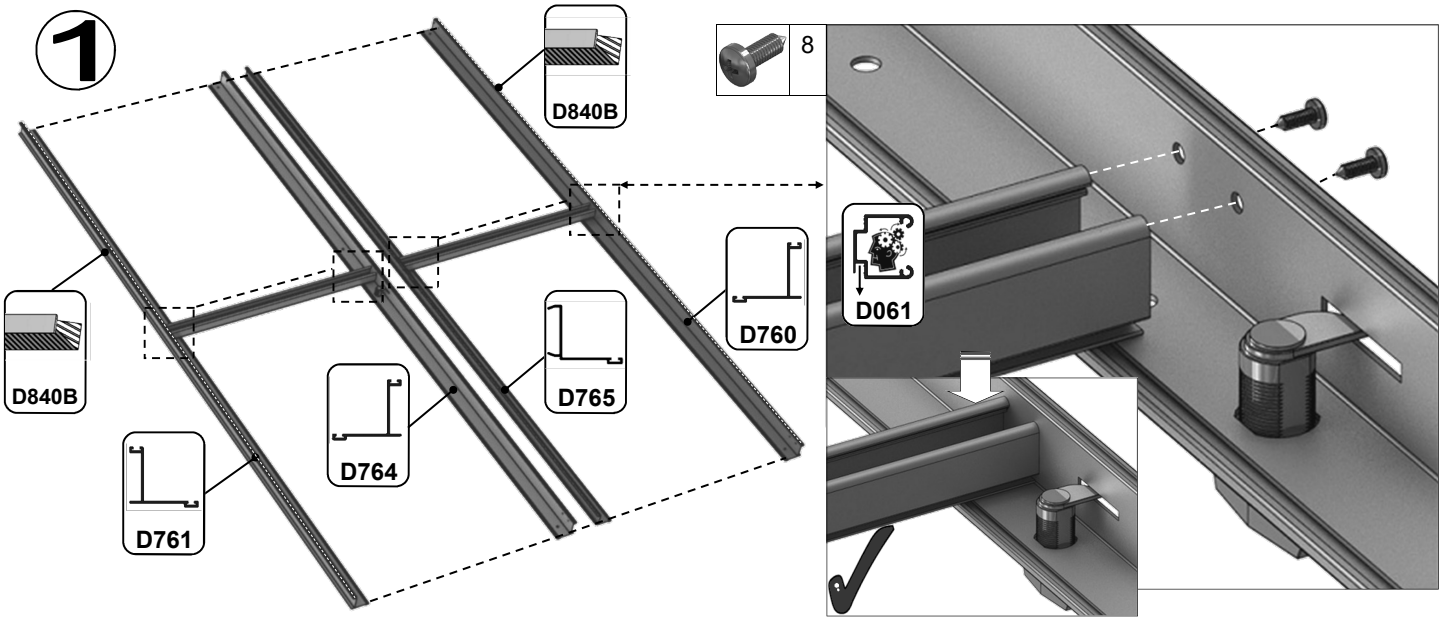


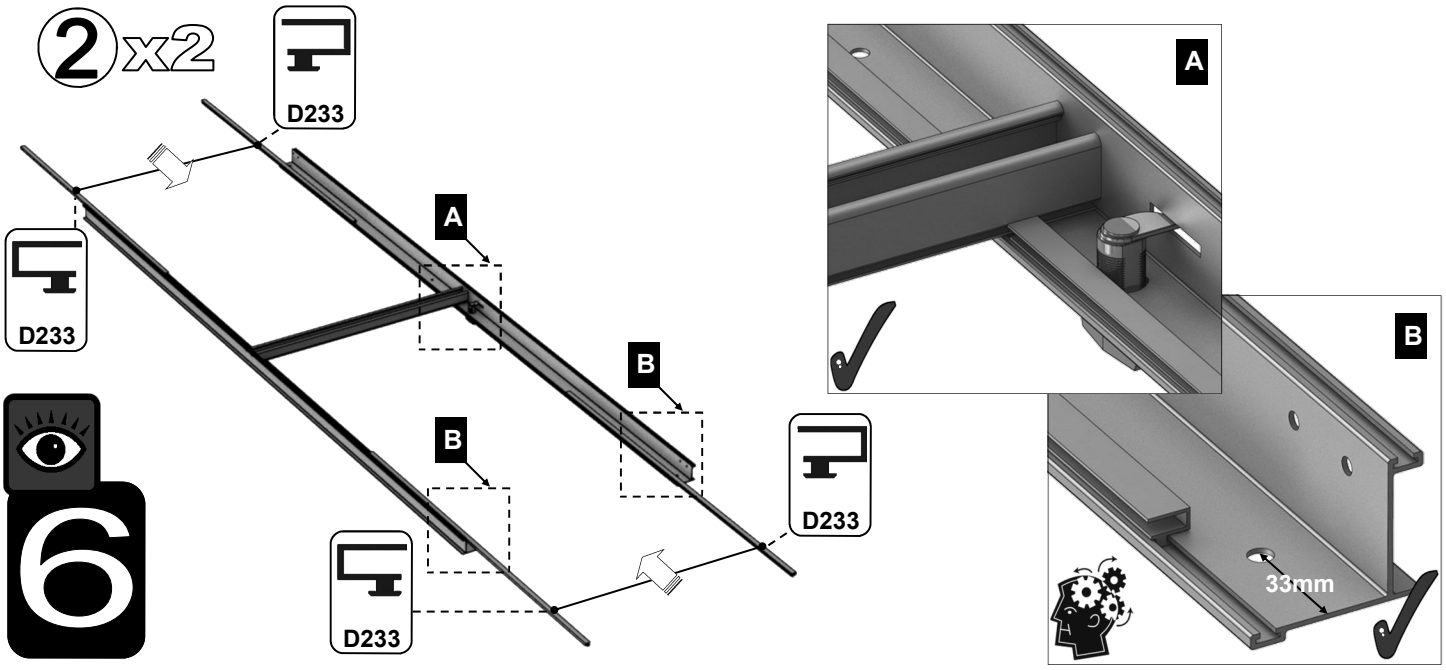
5

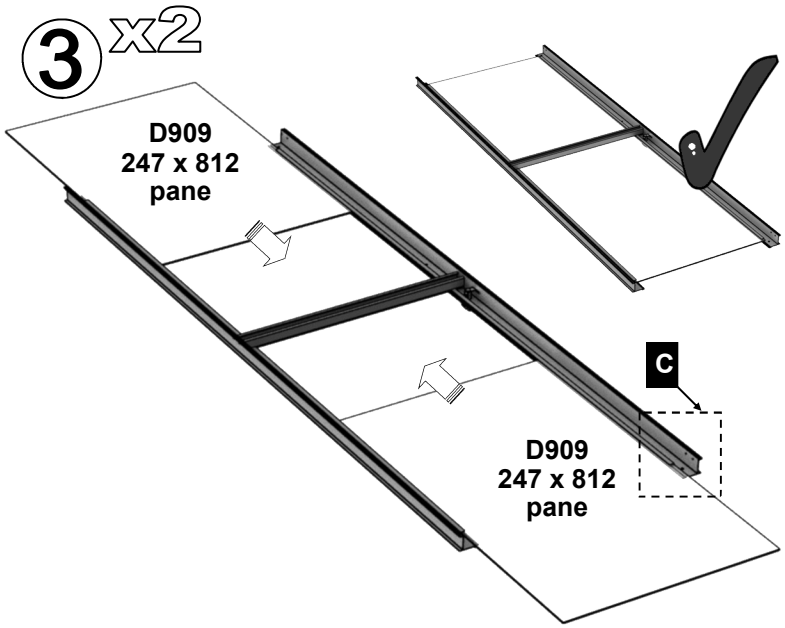


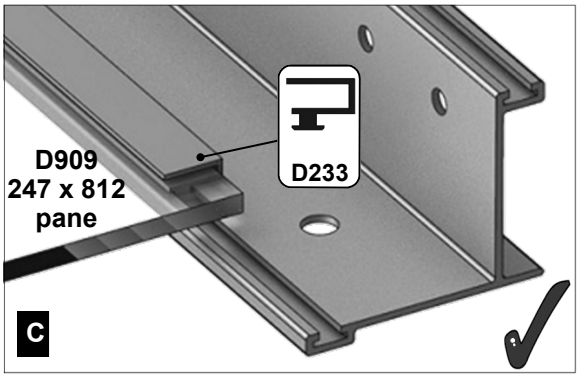
Part No		mm	Q
D762 + D347 lock = D764		1714	1
D763 + D156 strike = D765		1714	1
D760		1714	1
D761		1714	1
D059+D217 wheel = D060		305	2
D061		305	2
D062		305	2

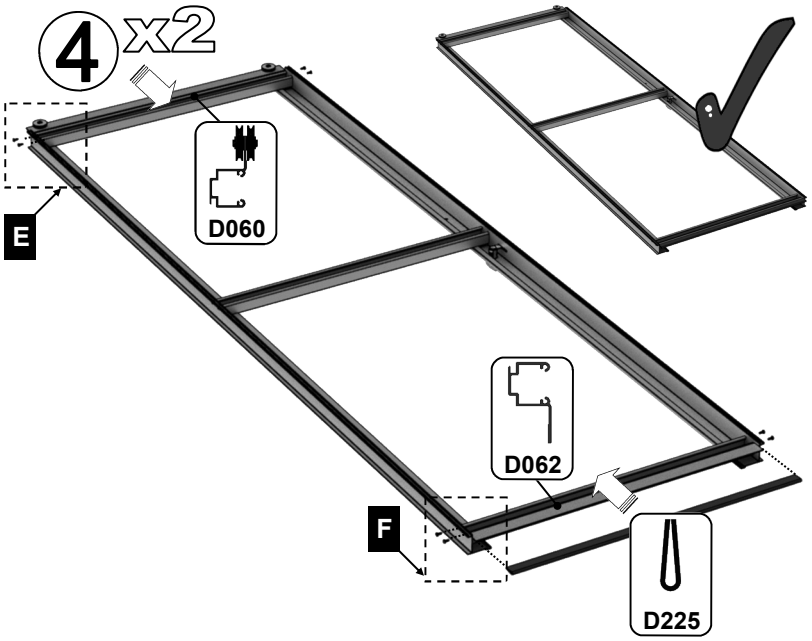
Part No		mm	Q
D233		797	8
P053		N/A	2
D225		610 (cut 2 x 305)	1
D840B		4000	. 1
D263 PACK x 2		N/A	14
		N/A	14
D261 PACK		N/A	24

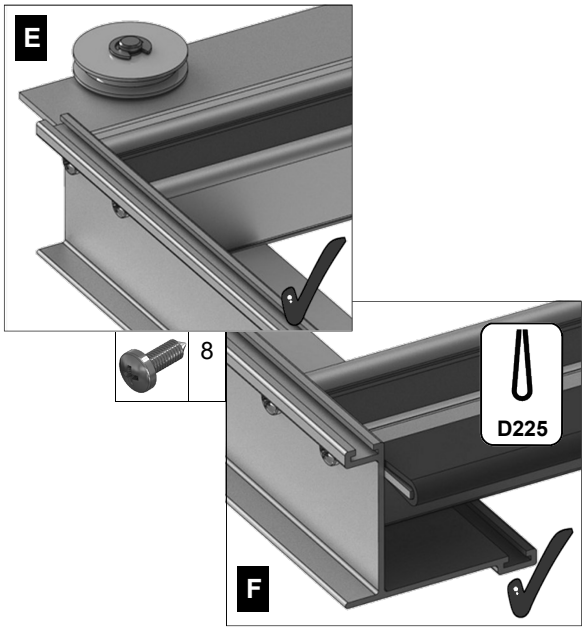


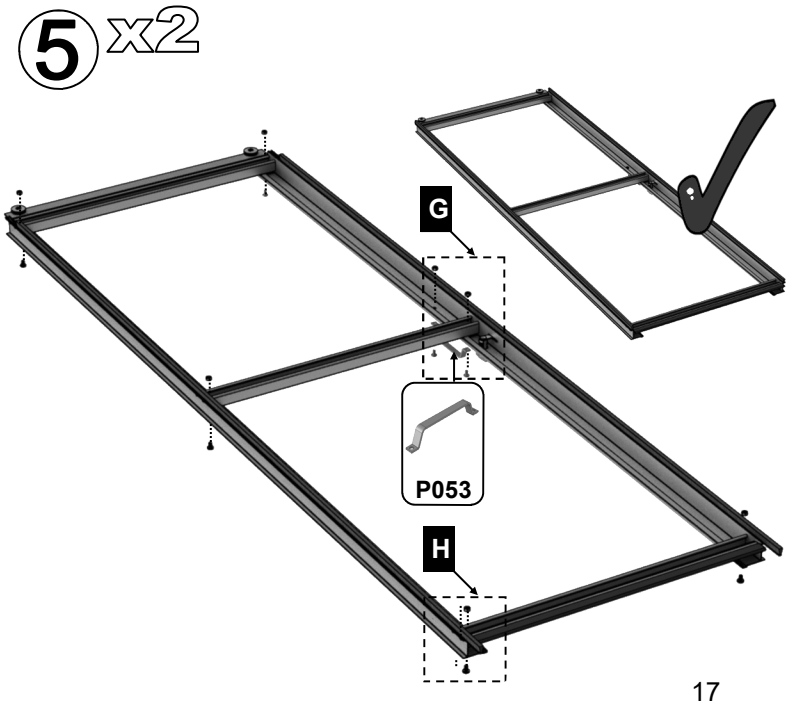


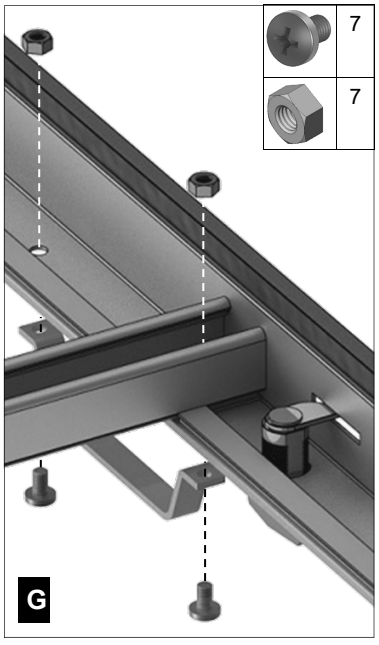

3 x2
D909
247 x 812
pane
C
D909
247 x 812
pane

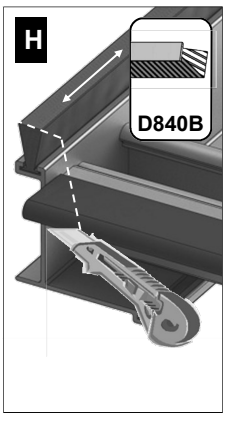

D909
247 x 812
pane
D233
C


4 x2
E
D060
D062
F
D225


E
8
D225
F


5 x2
G
P053
H


7
7
G

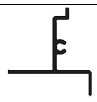

H
D840B

6

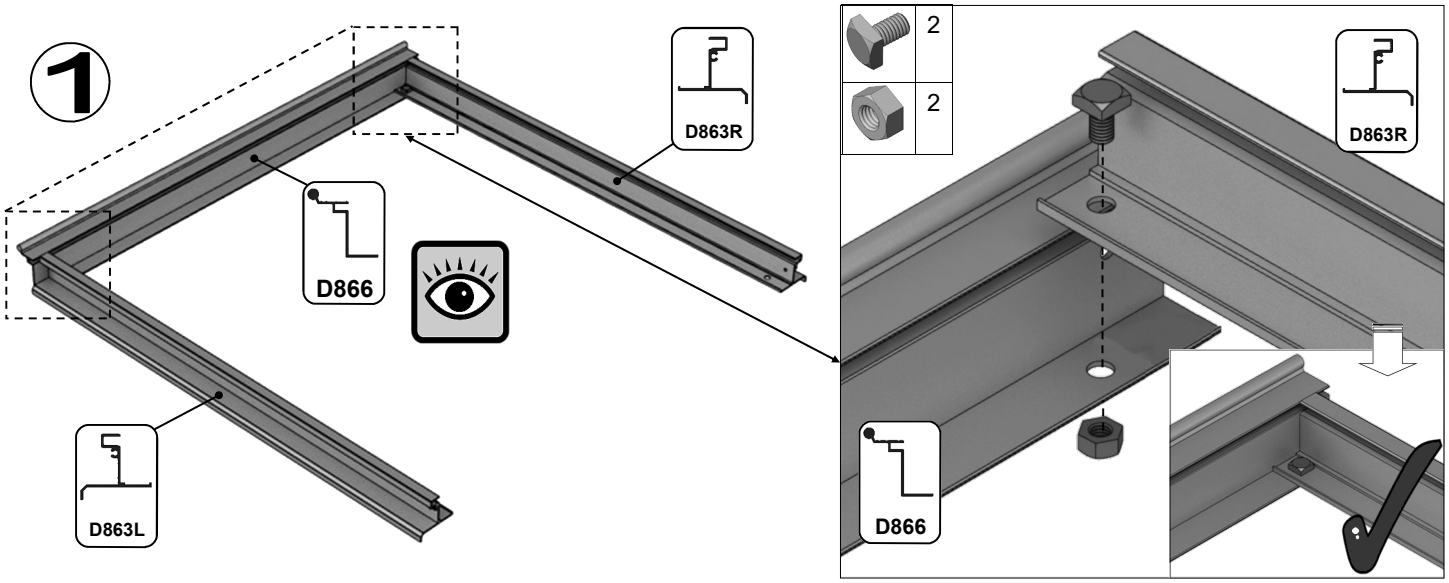


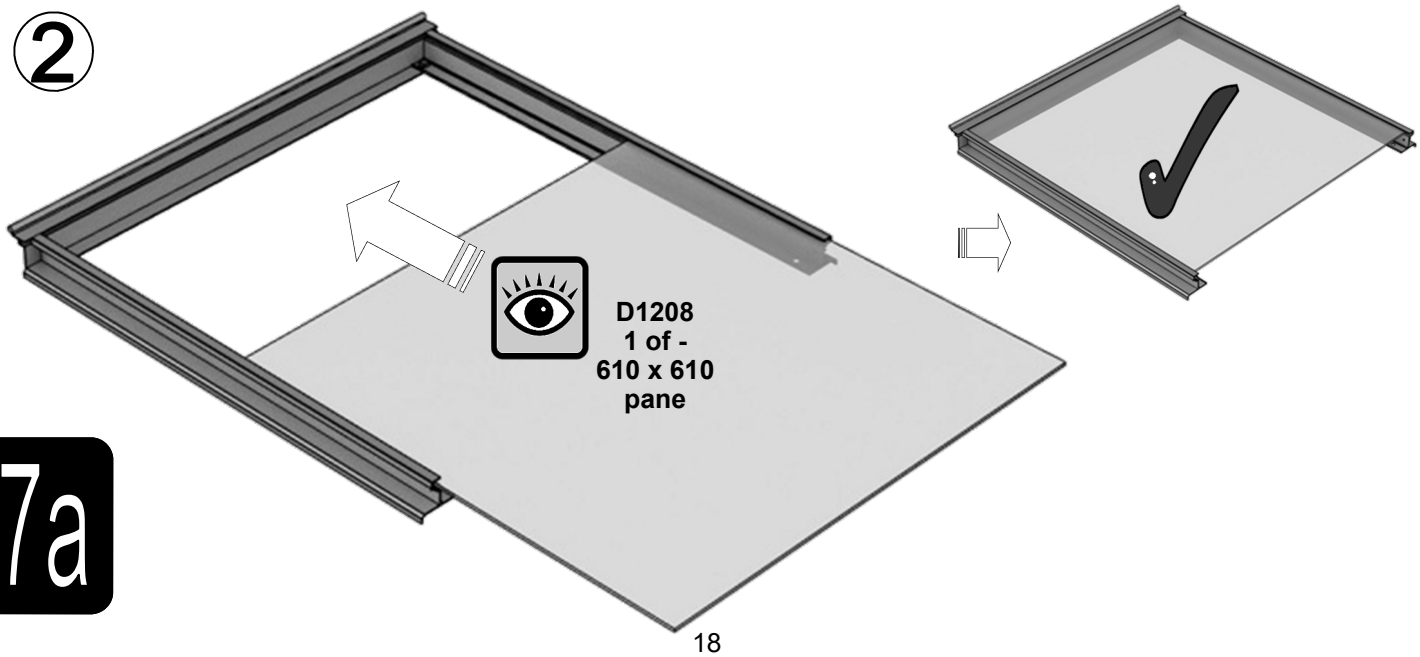


D1208
1 of -
610 x 610
pane

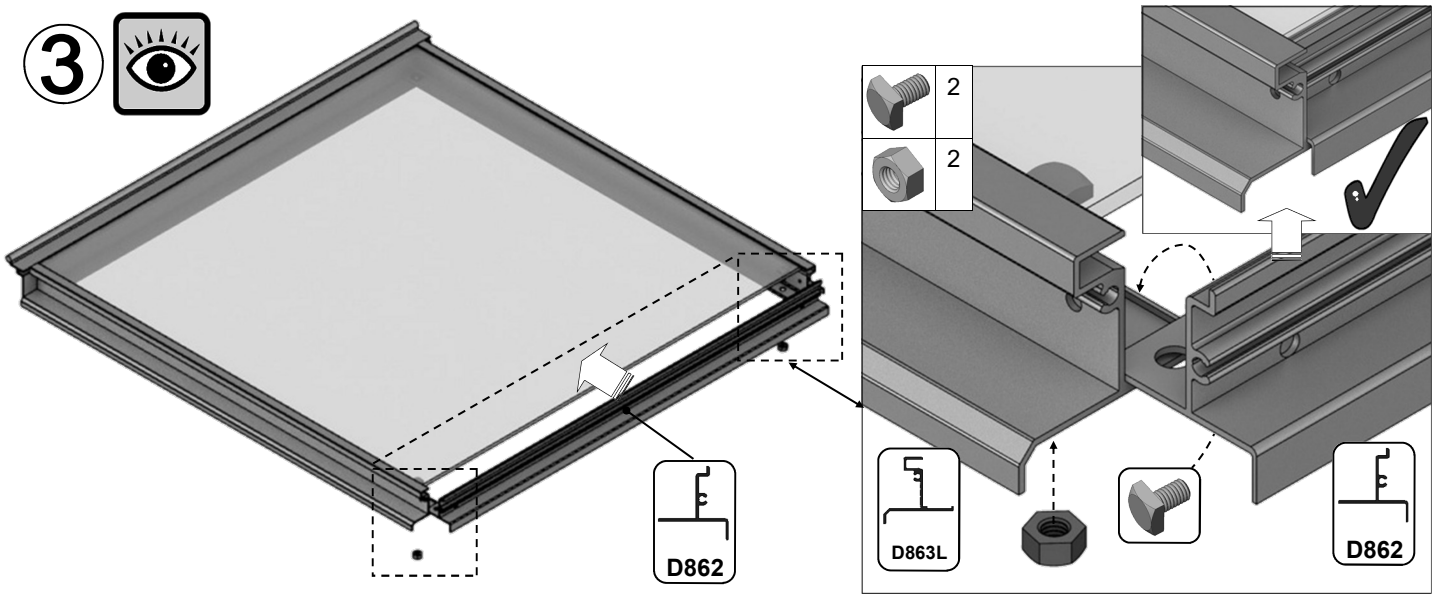
Part No		mm	Quantity
D866		639	1
D863L		613	1
D863R		613	1
D862		593	1

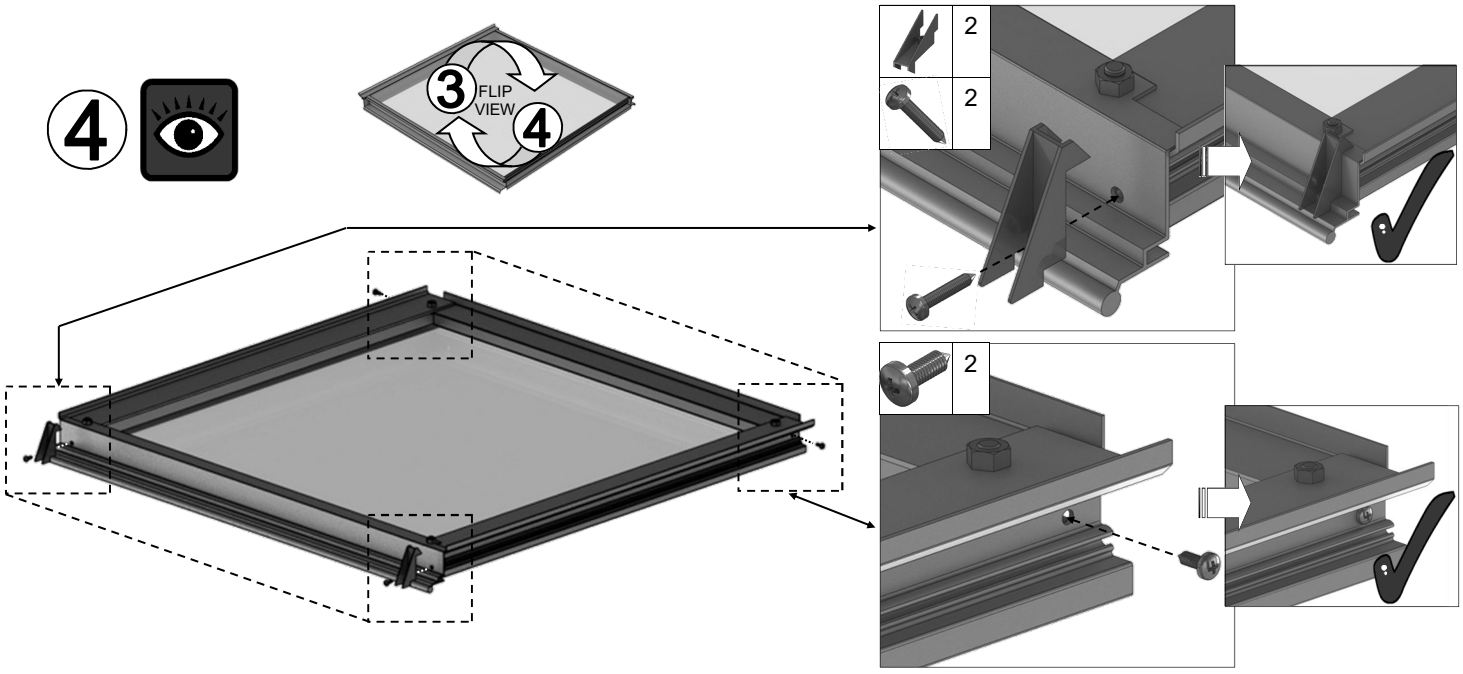
Part No		mm	Quantity
D220 PLUS FS6060 SCREW		N/A	2
D205		N/A	2
BOLM6X12		12	4
NUT M6		M6	4
8 X 12 S/T FS6017		10	2
8 x 19 S/T FS6018		19	2

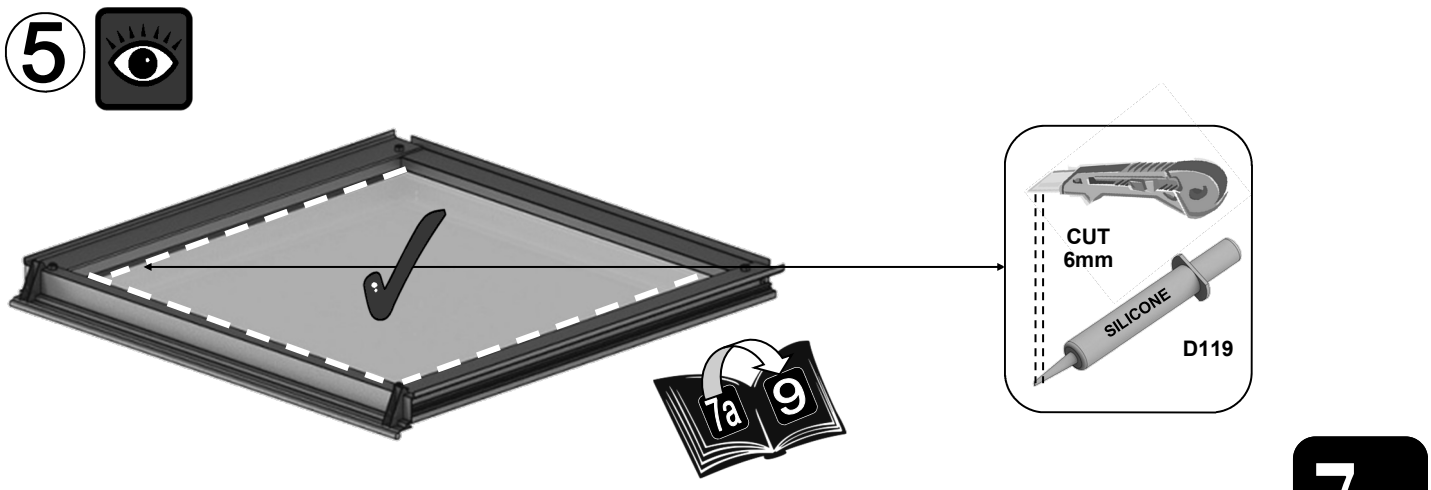




7a


3
2
2
D862
D863L
D862


4
3
FLIP
VIEW
4
2
2
2


5
CUT
6mm
SILICONE
D119
7a
9

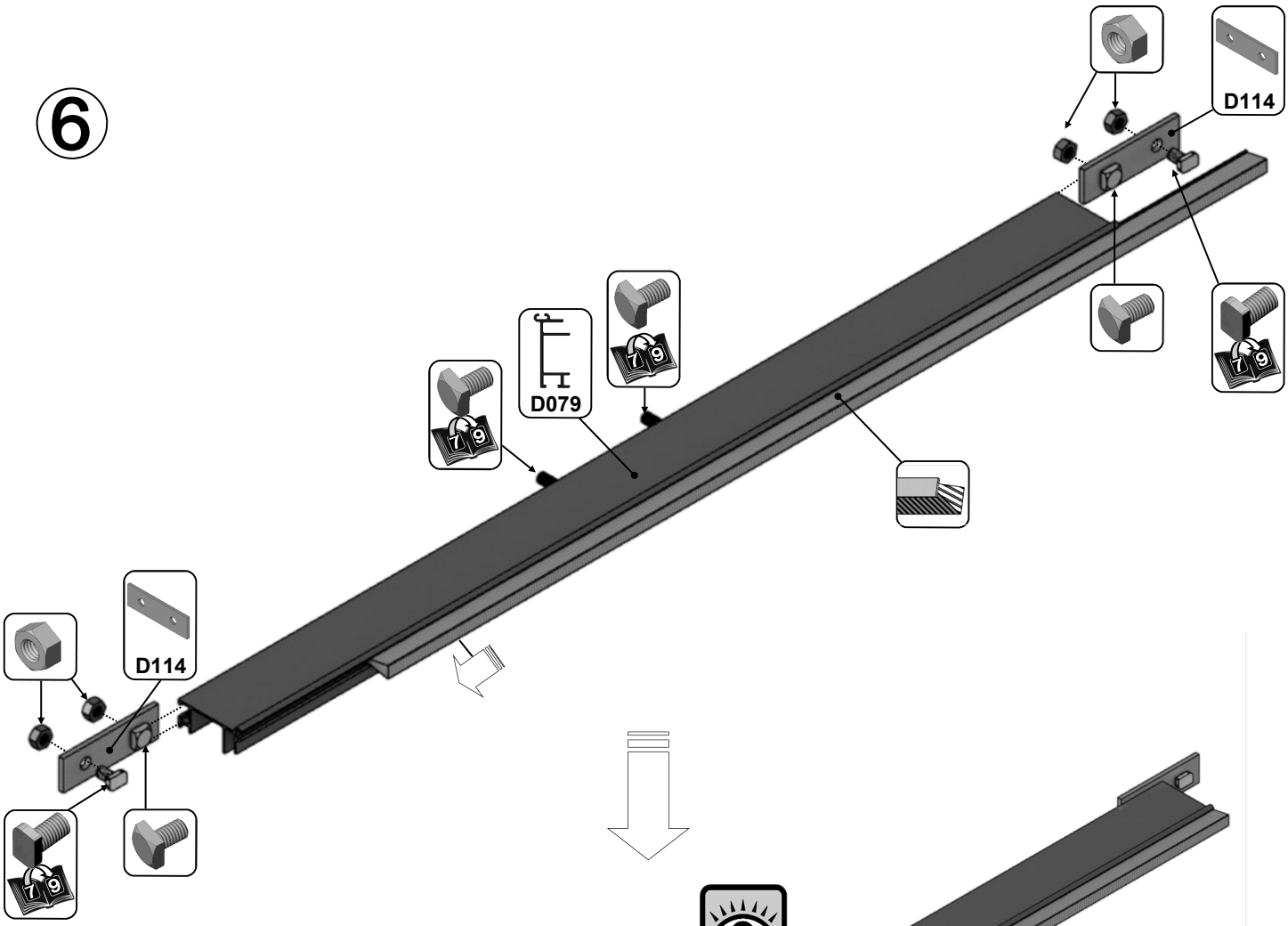
7a

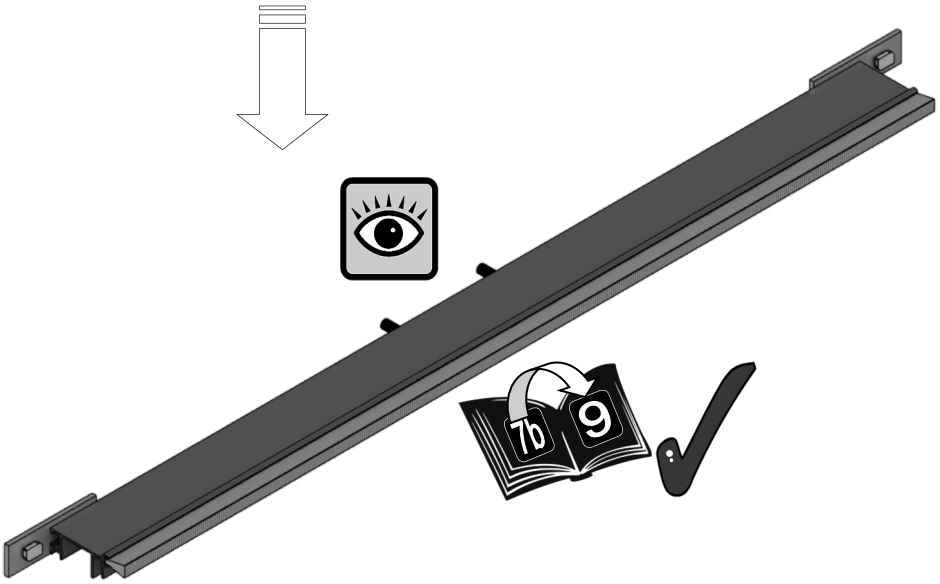


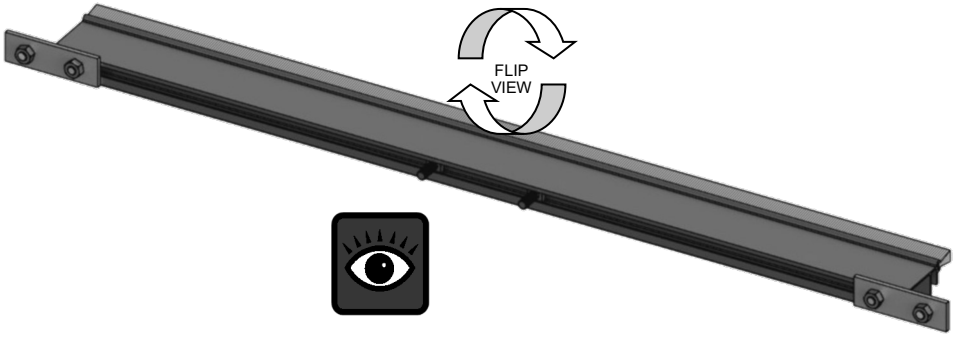
Part No		mm	Quantity
BOLM6X12		12	4
M6 CROP		10	2
NUT M6		N/A	4

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

6

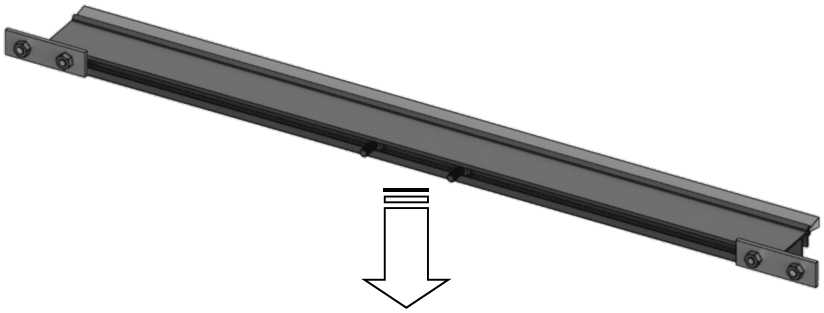




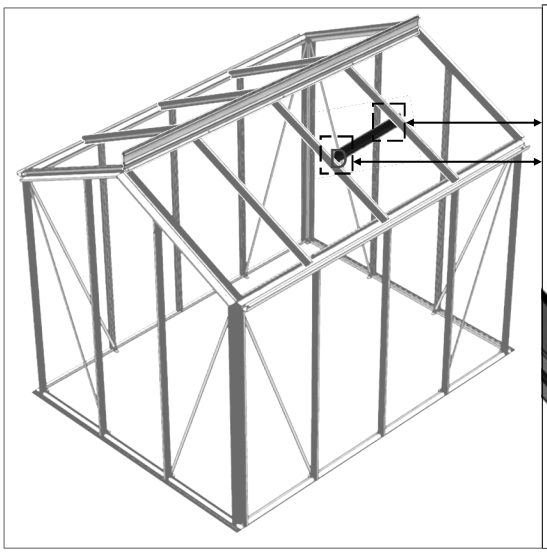


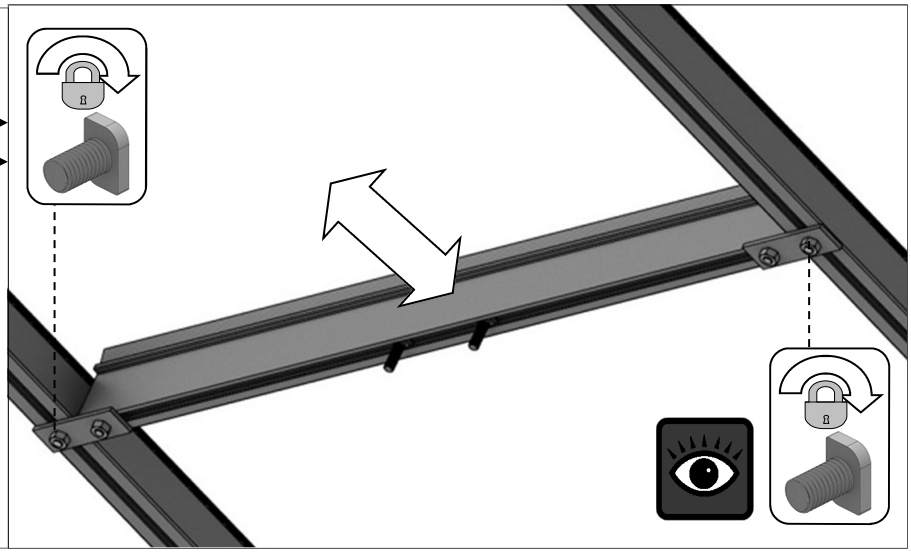
7b





7b





GLAZING (plans pto):

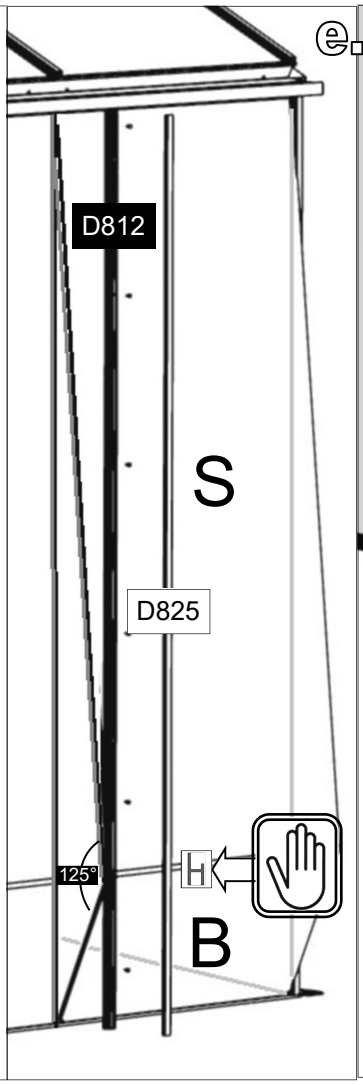
Glass and aluminium can potentially cause injury. Please ensure you wear protective goggles, gloves, headgear and suitable footwear when assembling and glazing the building.

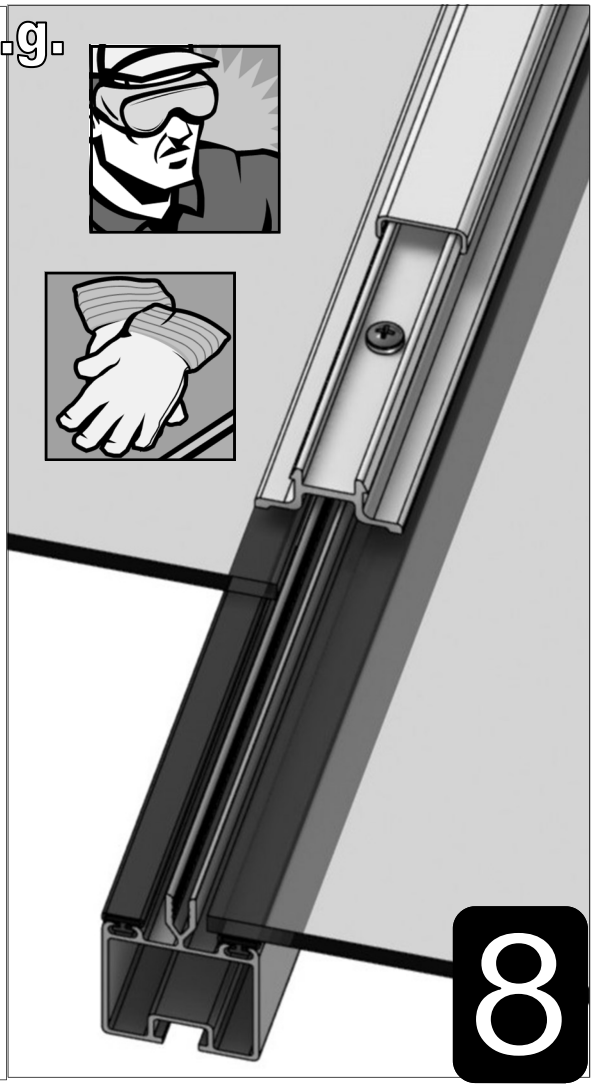
Please remember that glass is fragile and should be handled with extreme care. Always clear up and dispose of any breakages immediately.

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

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

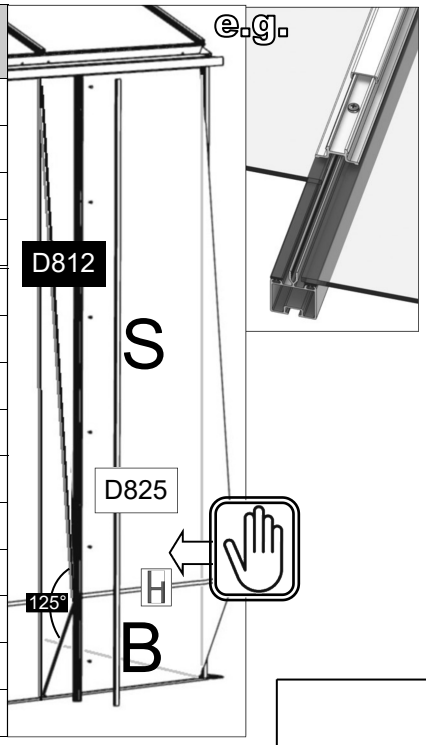
IMPORTANT: On the roof sections please make sure that you place a screw around 25mm / 1” from the bottom of each capping strip (create a hole in the plastic if required) and that the screws are nice and tight to avoid any glass slippage.

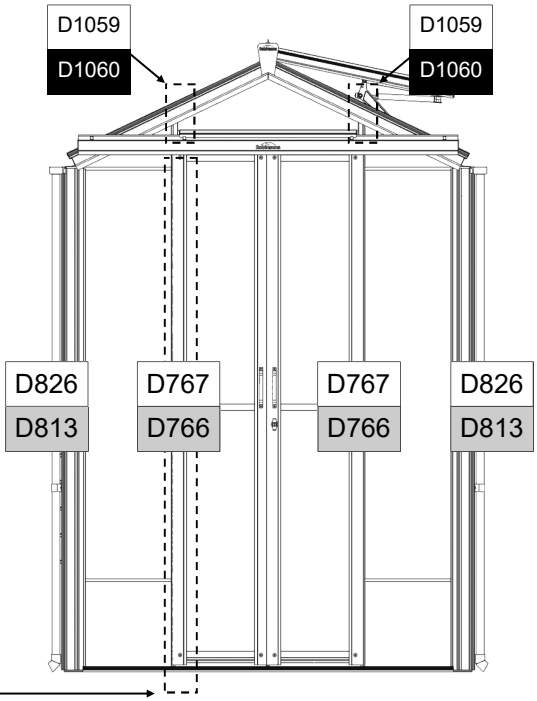


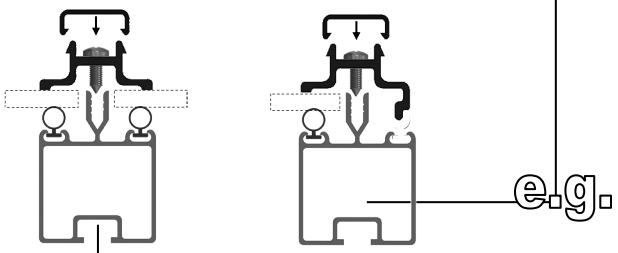


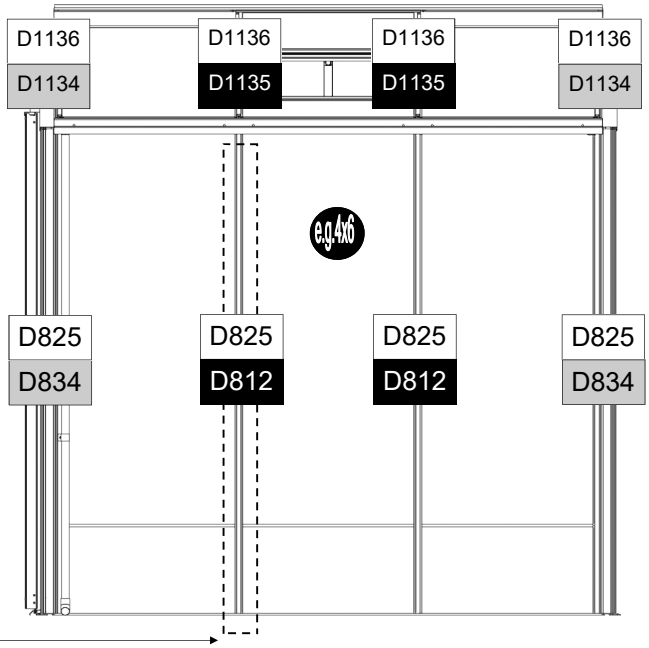
8

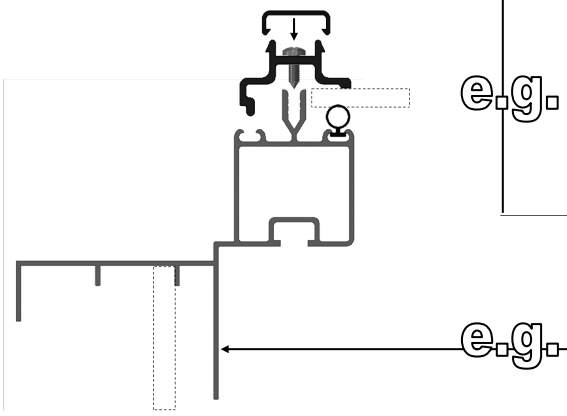
PART No	Section	Size (mm)
D812		1660
D661		1906
D1060		50
D1135		724
D813		1675
D766		1773
D834		1660
D1134		722
D1136	PLASTIC	724
D825		1660
D826	OR	1677
D827		1832
D767	ALUM...	1773
D1059		50

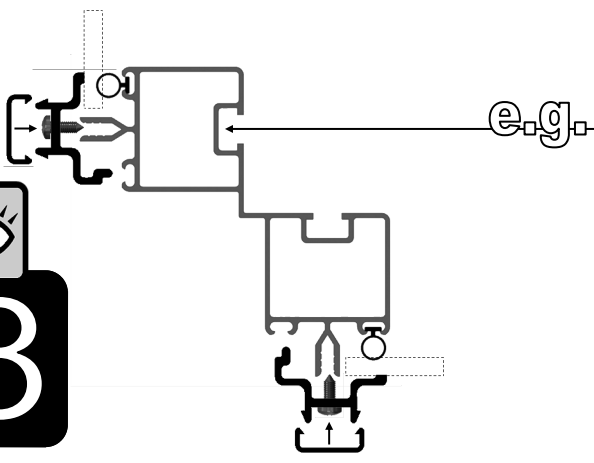


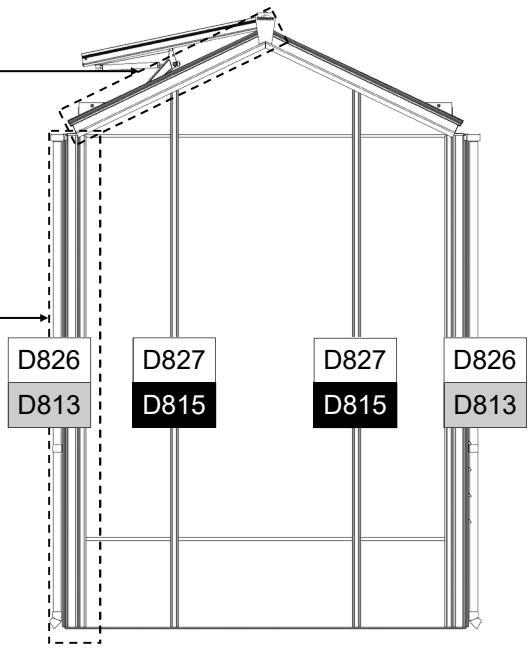








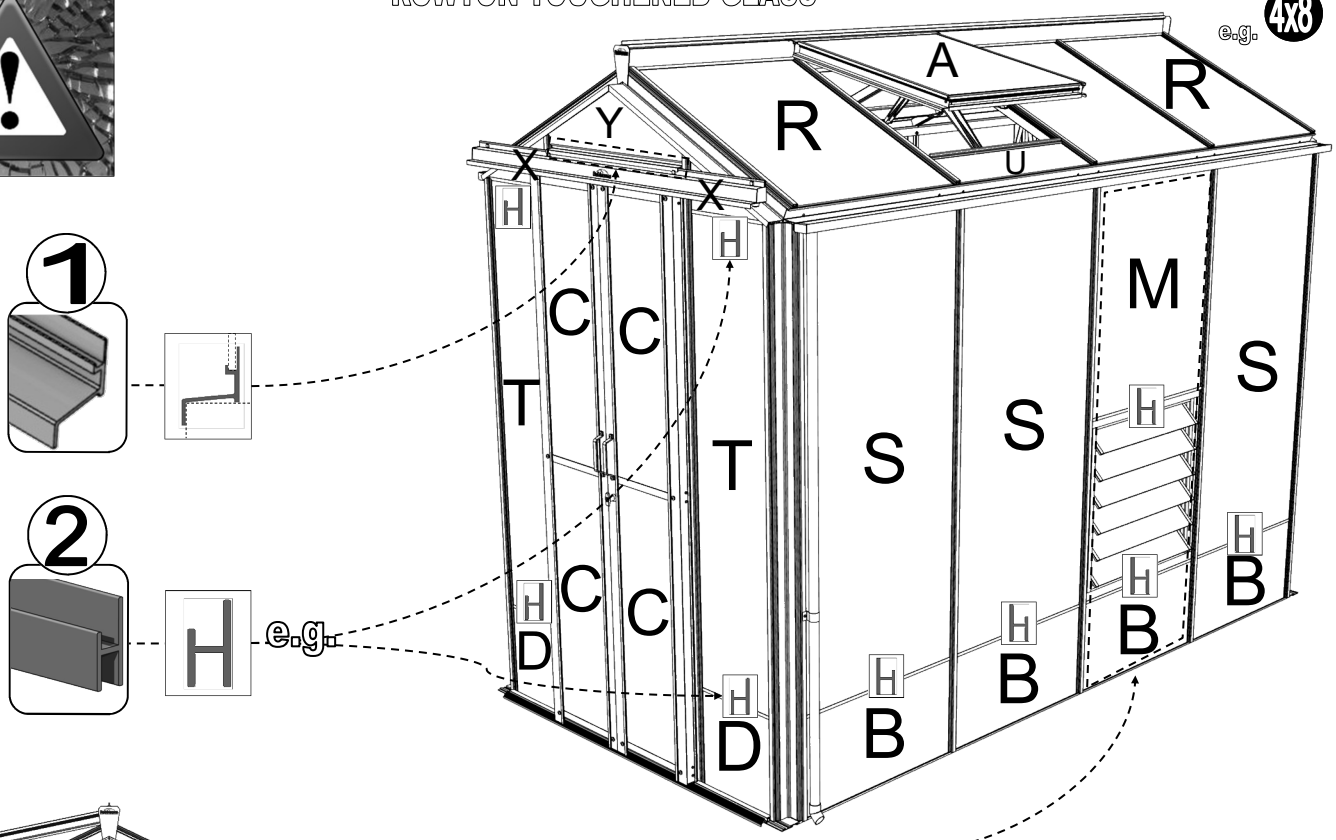


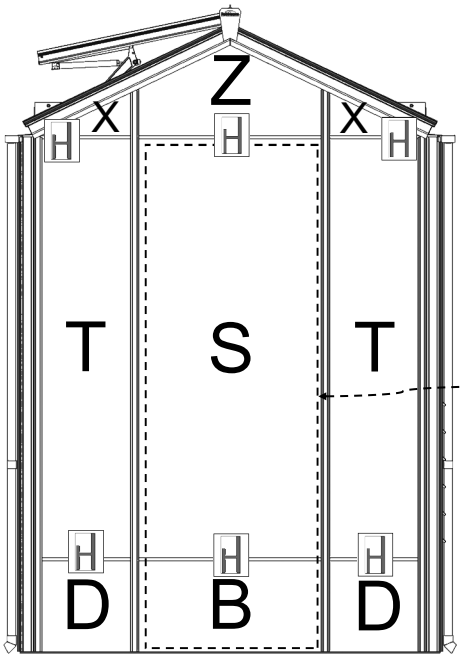


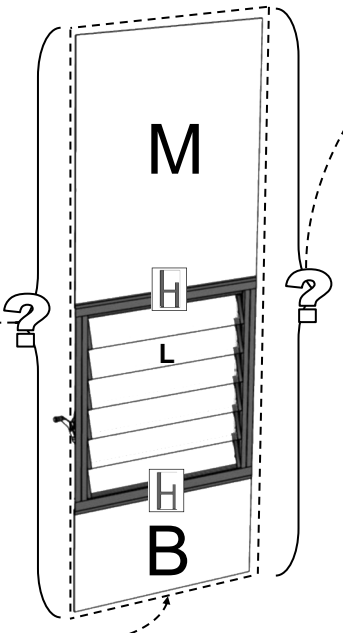


ROWTON TOUGHENED GLASS

e.g. 4x8



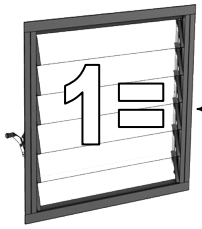




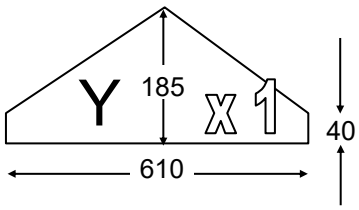


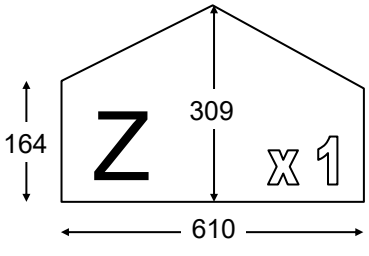


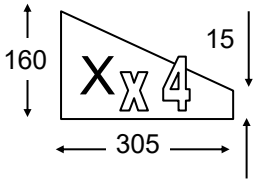
PART No		Size (mm)	2'	4'	6'	8'	10'	12'
D1206	S	610 X 1374	3	4	6	8	9	11
D1140	R	610 X 732	1	3	5	6	7	8
D1208	A	610 X 610	1	1	1	2	3	4
D1254	B	610 X 305	3	5	7	9	11	13
D1139	U	610 X 132	1	1	1	2	3	4
D905	D	305 X 305	4					
D904	T	305 X 1374	4					
D909	C	247 X 812	4					
D902	X	ANGLE	4					
D1137	Y	APEX	1					
D1138	Z	APEX	1					
D222/B		590 long	1					
D101 / ROSEPS	H	610 long (inc. 305mm cuts)	8	10	12	14	16	20

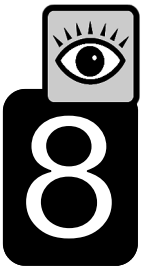


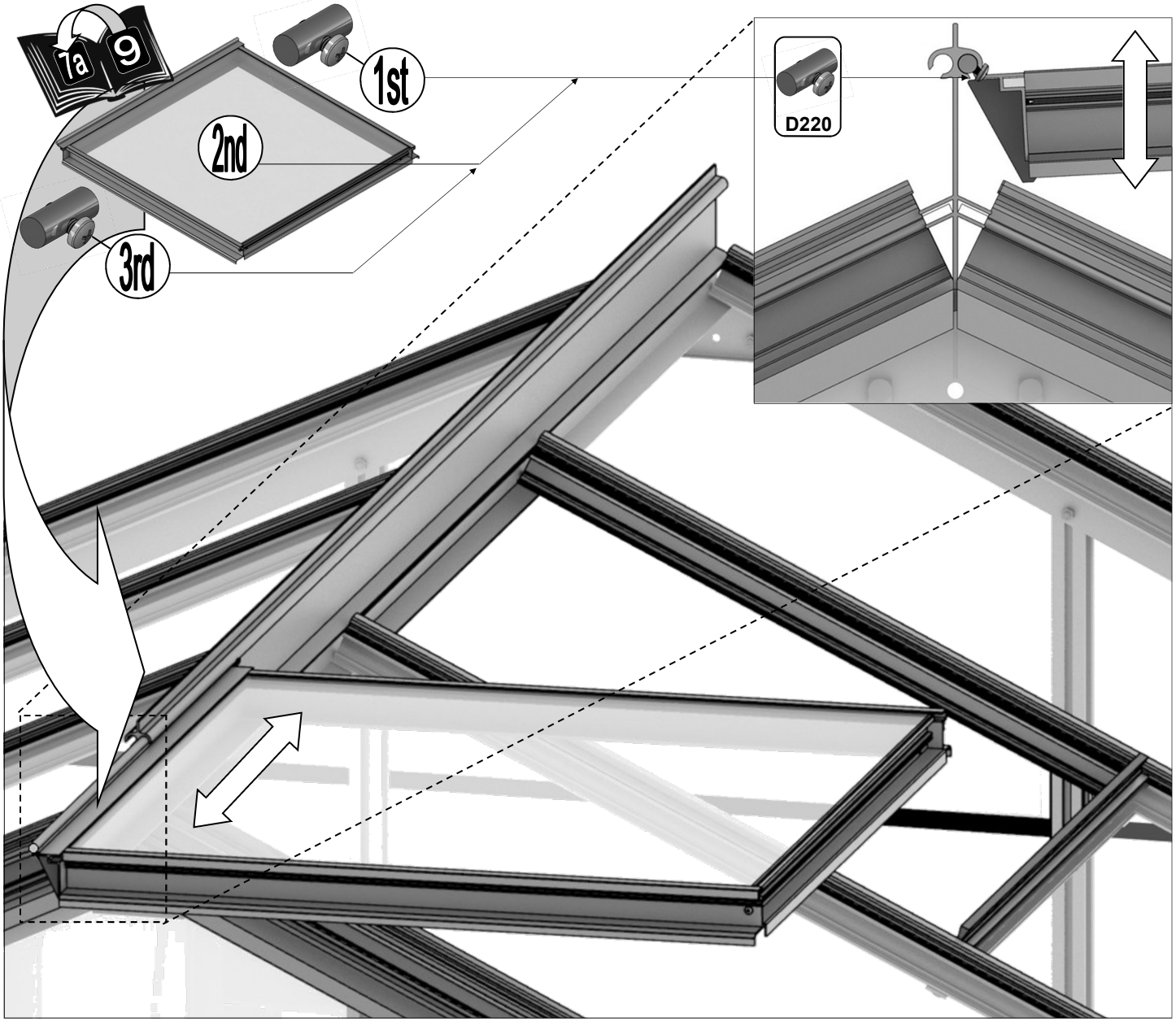
D906	M	610 X 762	1
D729	L	525X 100	6
D101 / ROSEPS	H	610 long	1

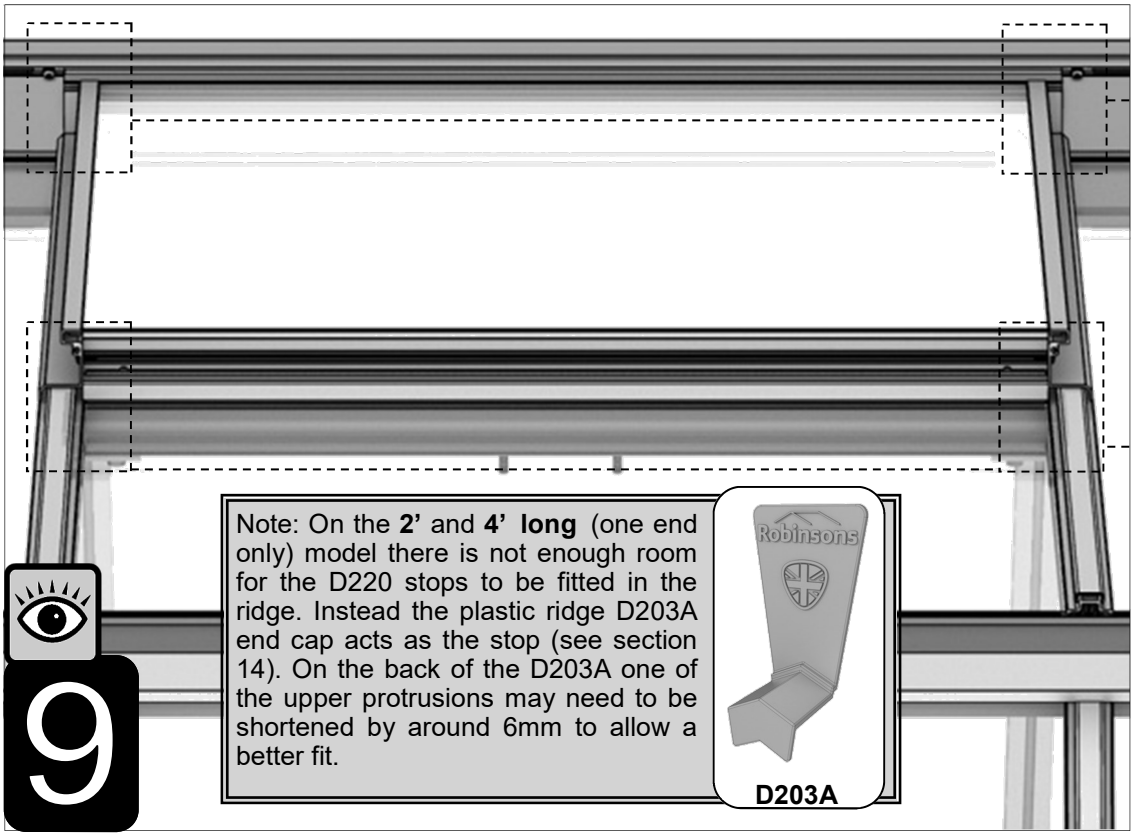












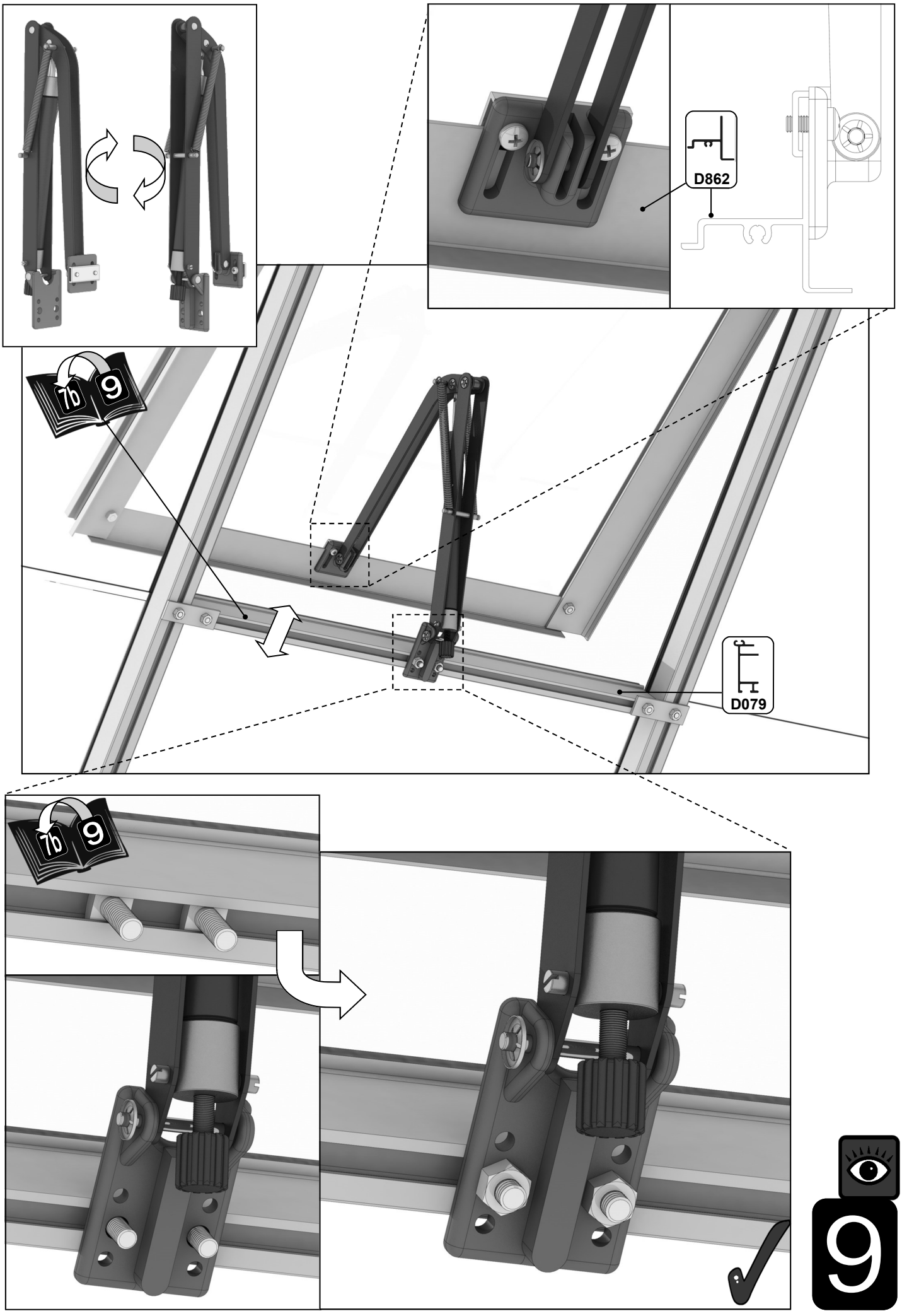




9

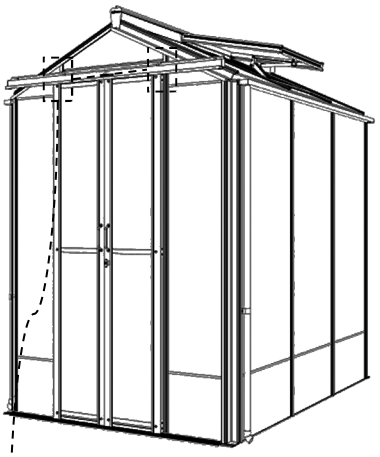
Note: On the **2'** and **4' long** (one end only) model there is not enough room for the D220 stops to be fitted in the ridge. Instead the plastic ridge D203A end cap acts as the stop (see section 14). On the back of the D203A one of the upper protrusions may need to be shortened by around 6mm to allow a better fit.

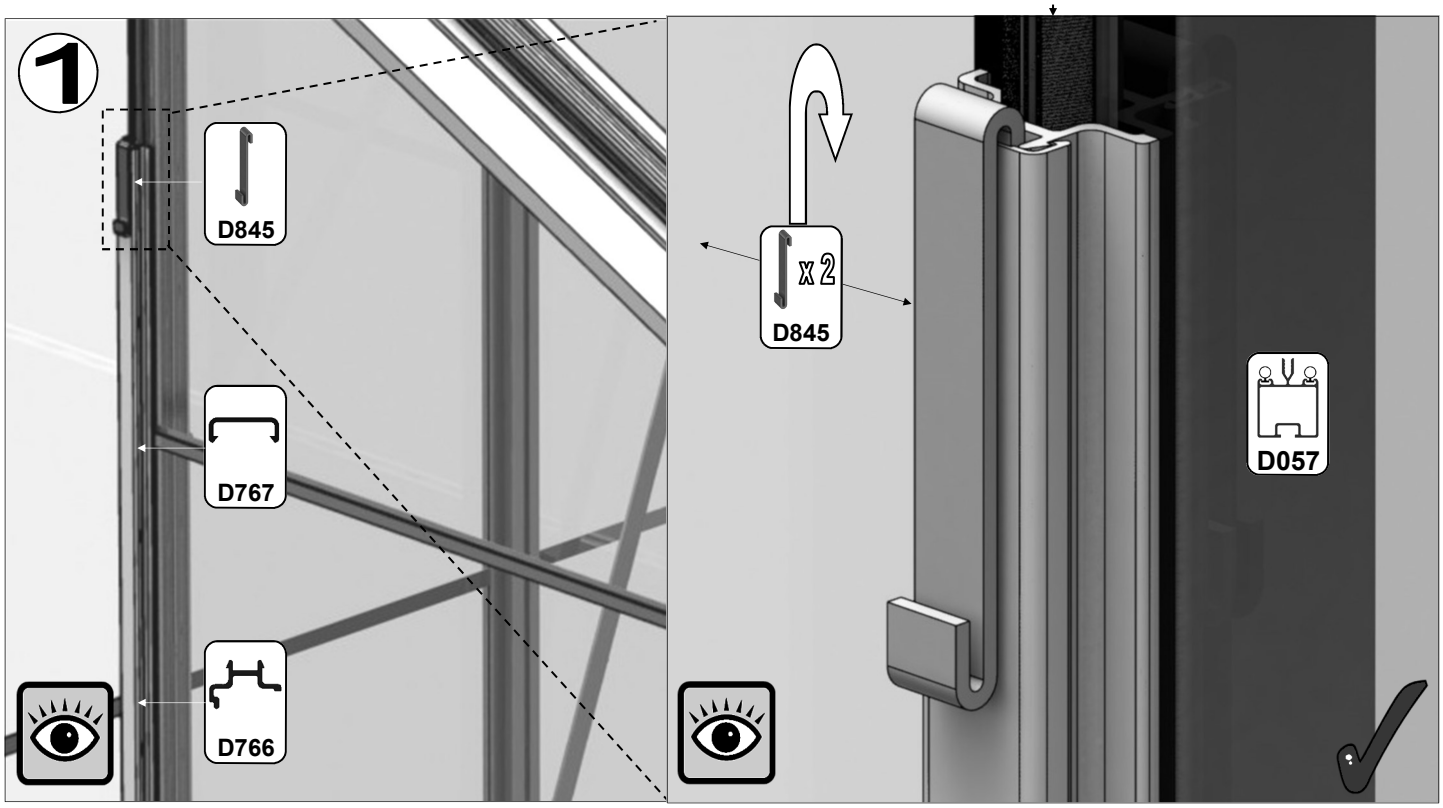
D203A

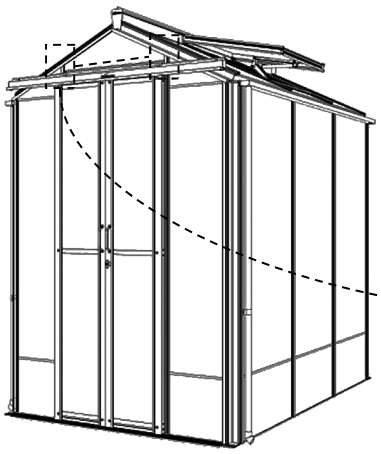

D862
7b
9
D079
7b
9
9

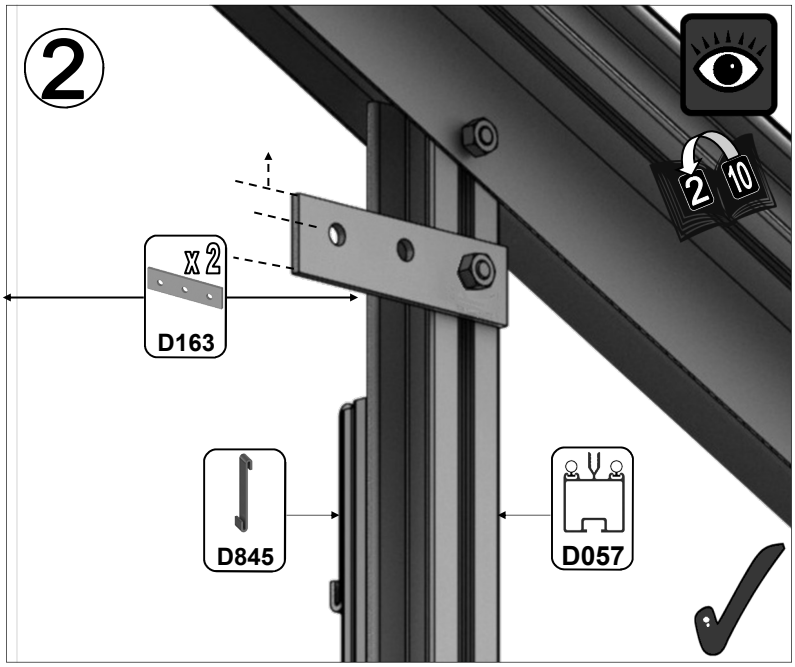
Part No		mm	Q
D864		590	1
D082		1270	1
D081		1270	1

Part No		mm	Q
D163		90	2
D150			1
D845			2
D800 PLASTIC		588	1
BOLM6X16			8
NUT M6			8

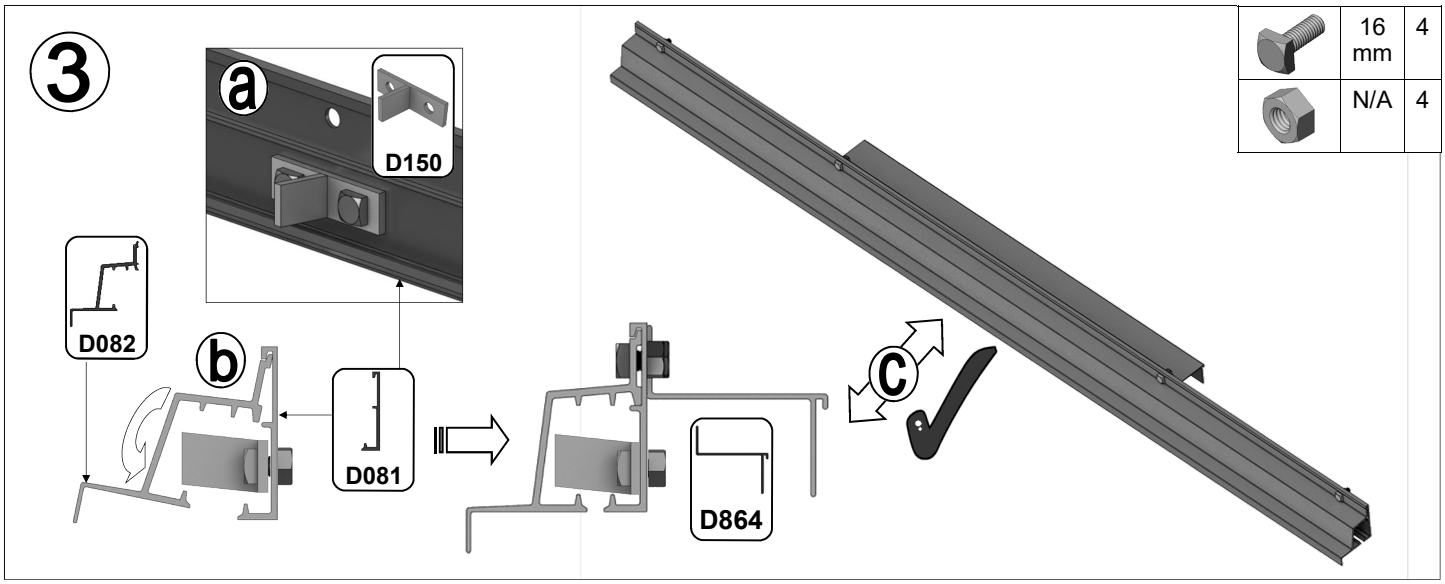




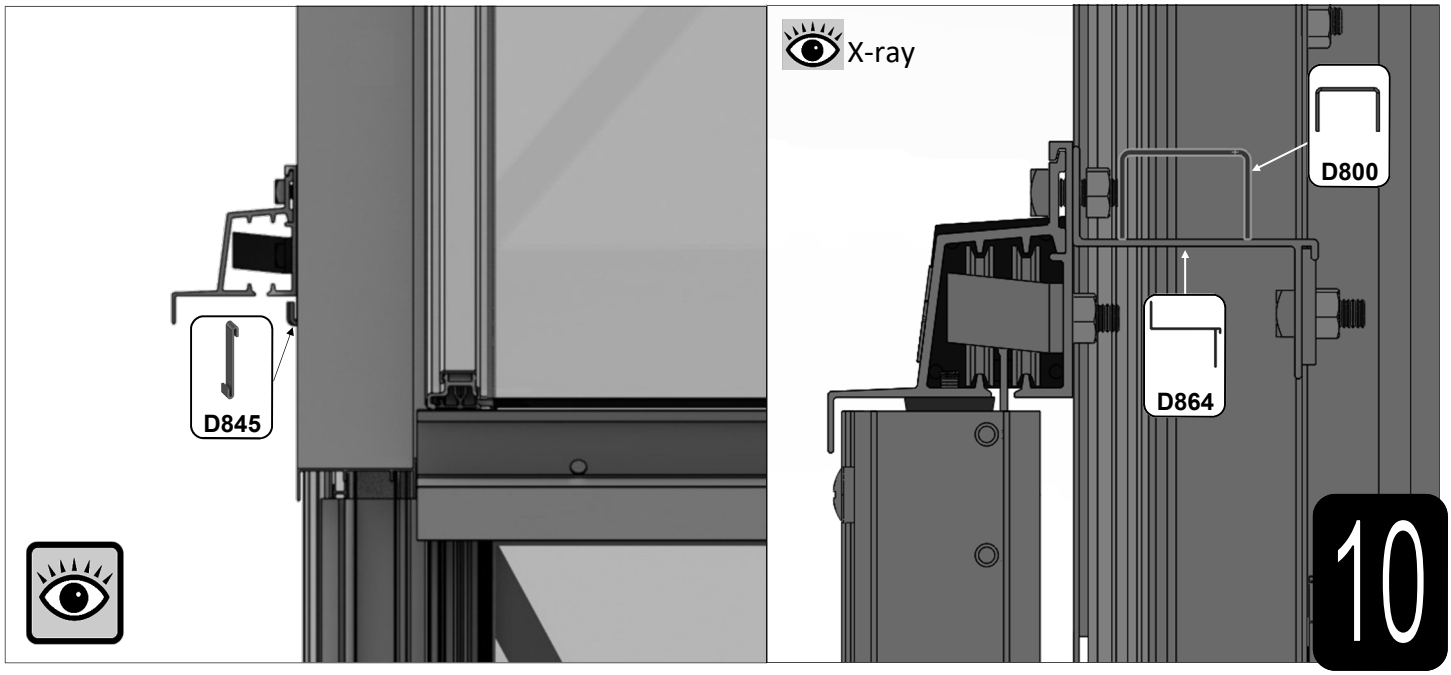




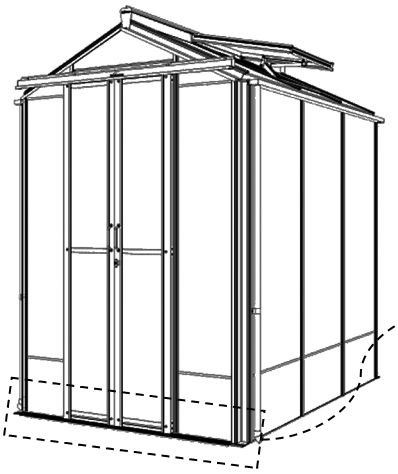
10

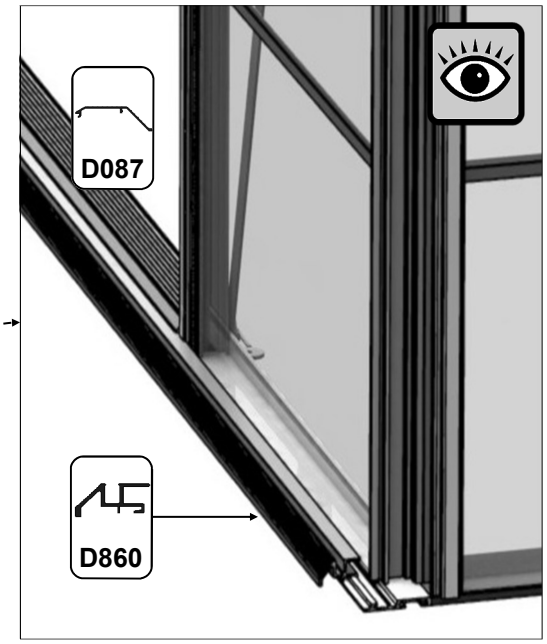

3
a
D150
D082
b
D081
D864
c
16 mm
4
N/A
4


4
D800
Note: D800 is a plastic infill to aid glazing, it can be removed after the pane above the doors has been installed if you wish. Its colour may not match your building.
D864
16 mm
4
N/A
4

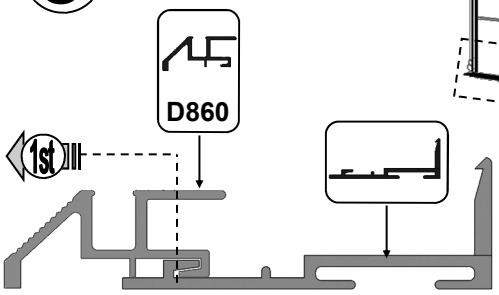

D845
X-ray
D800
D864
10

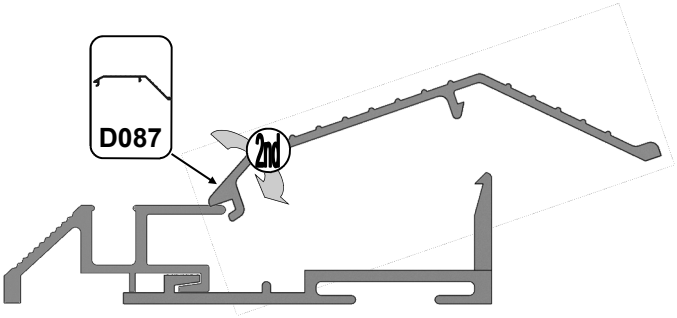
Part No		Quantity
D860		1
D087		1

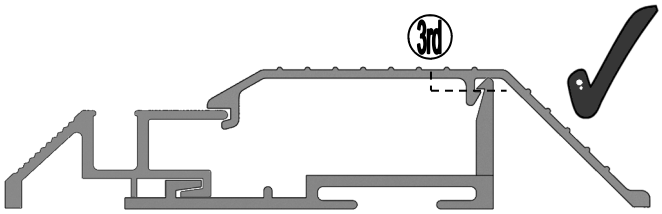


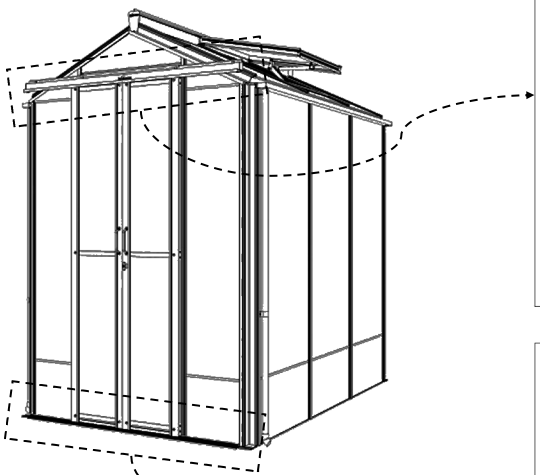


5

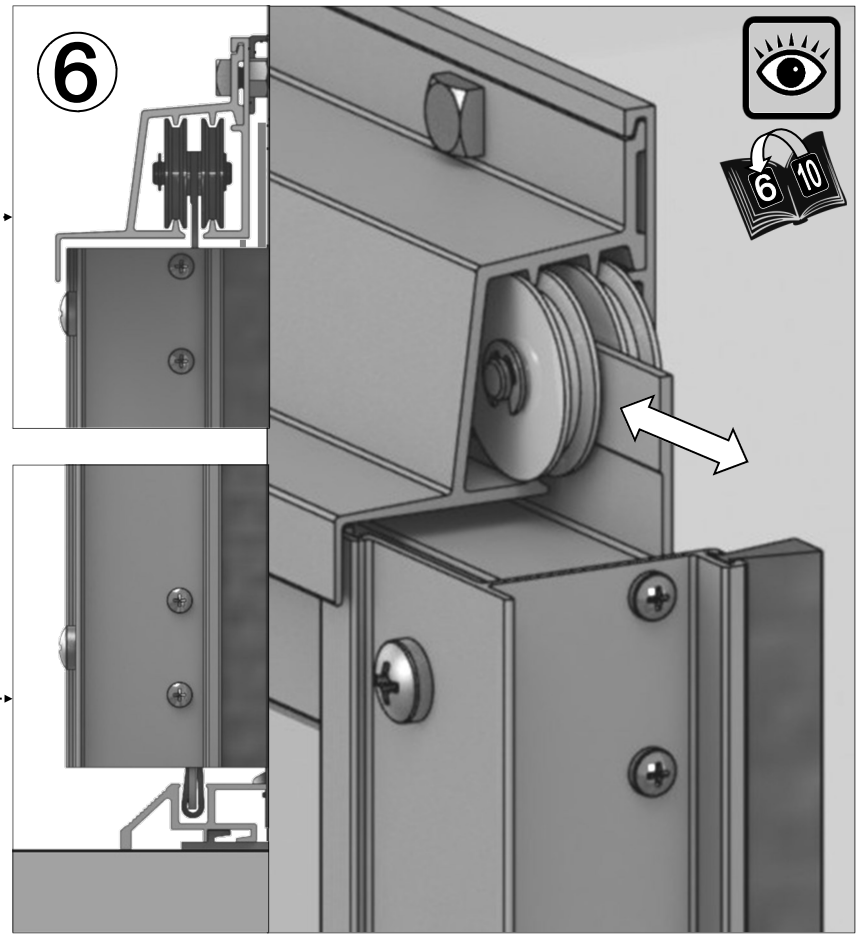




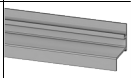


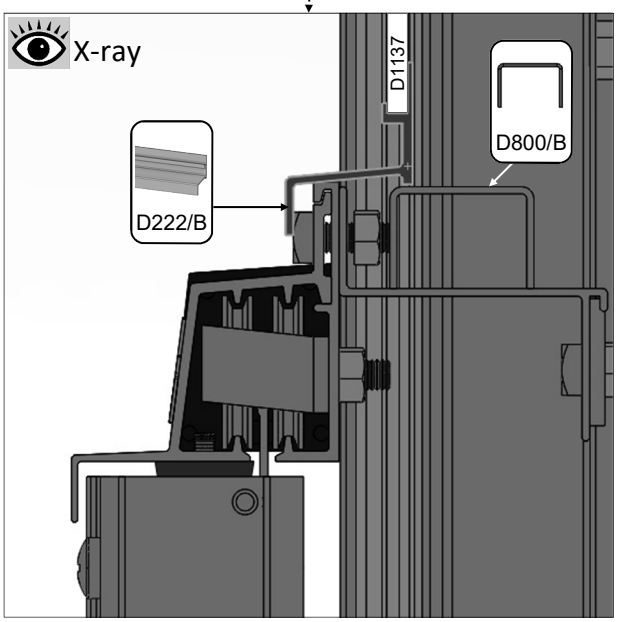


6



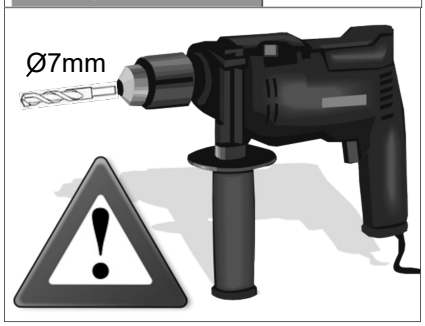
10

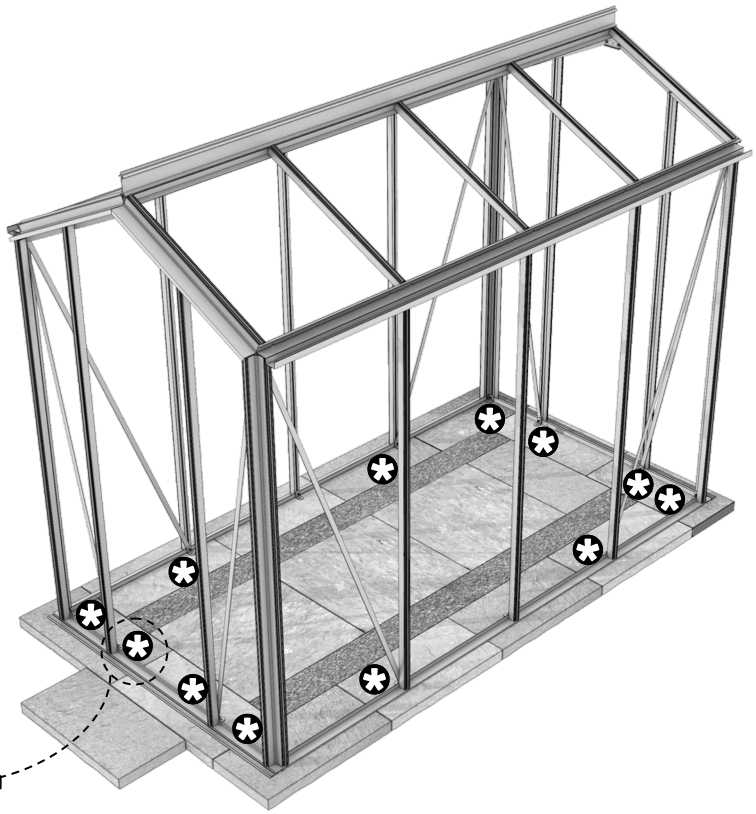
Part No		Quantity
D312		2
D222/B		1
D204L/B		1
D204R/B		1

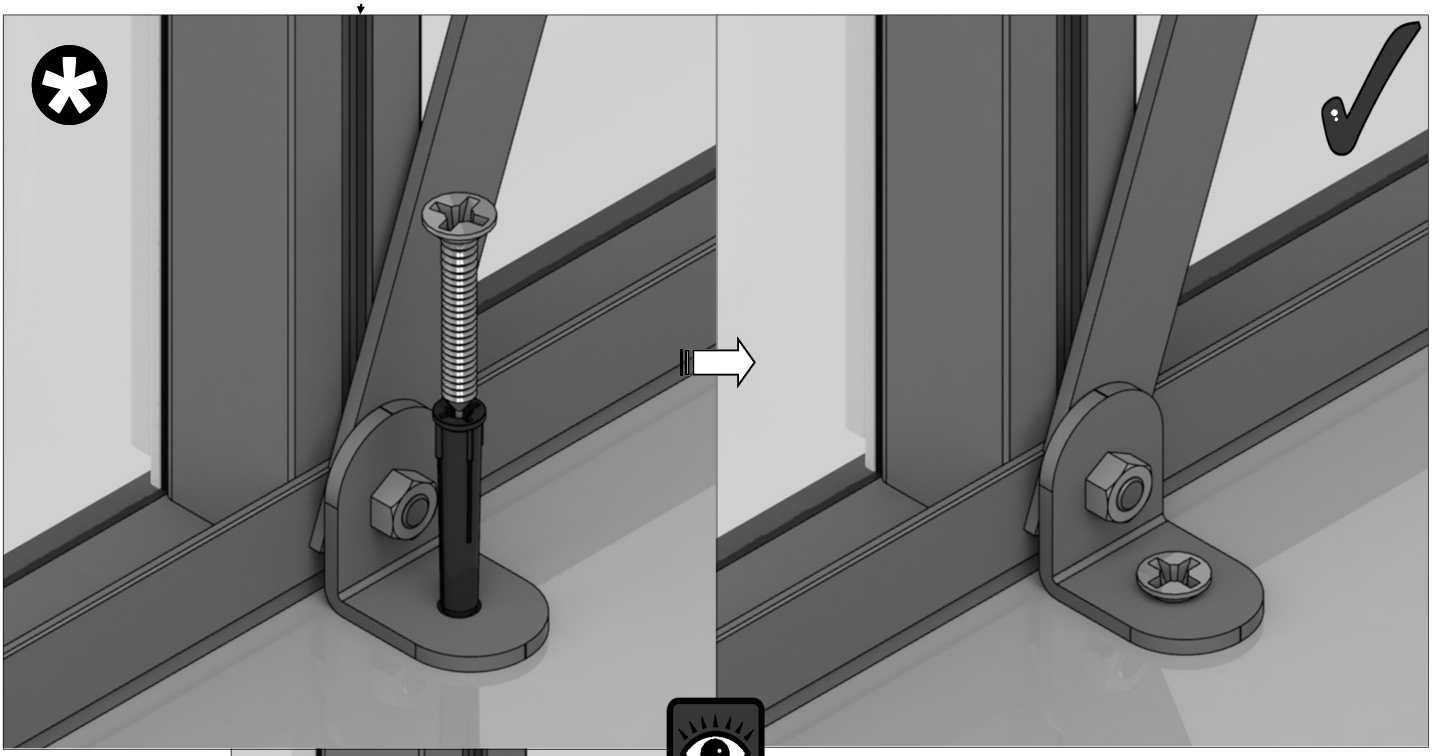


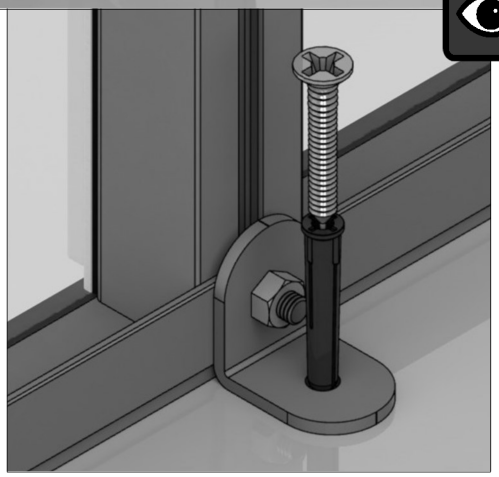




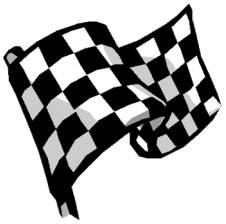


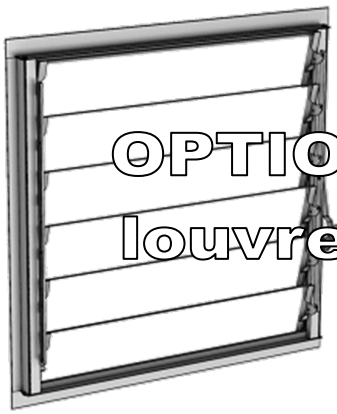


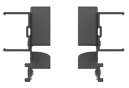




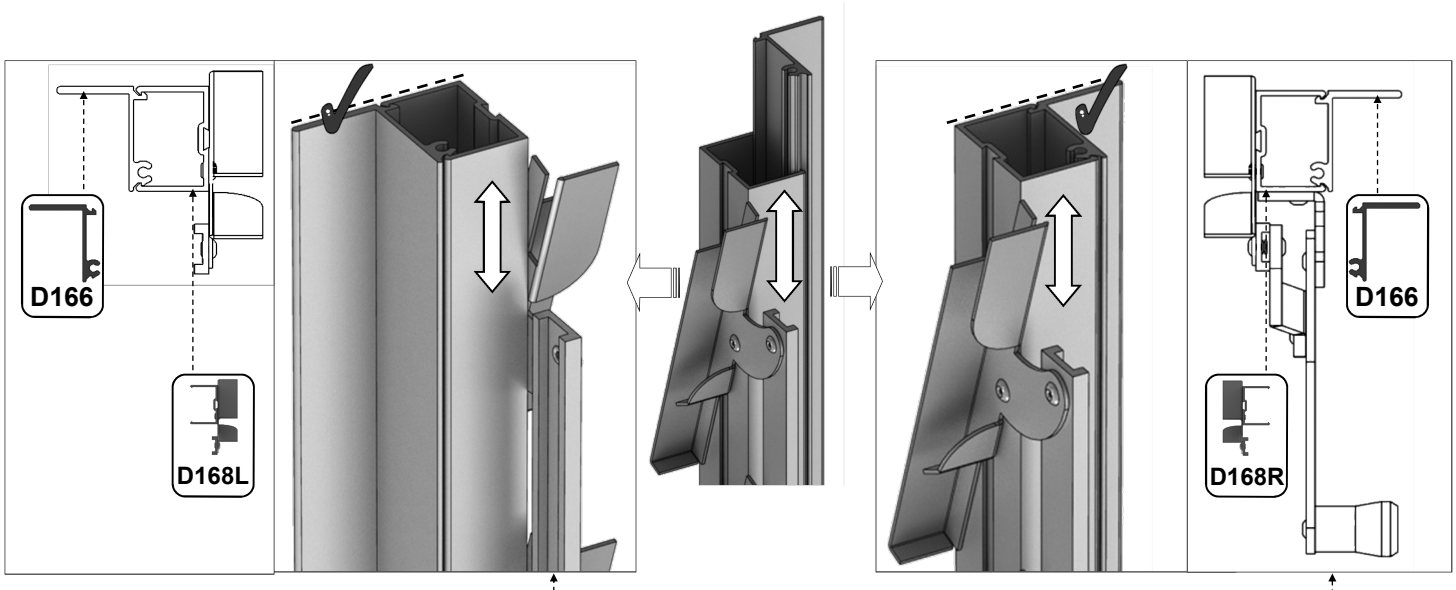
11

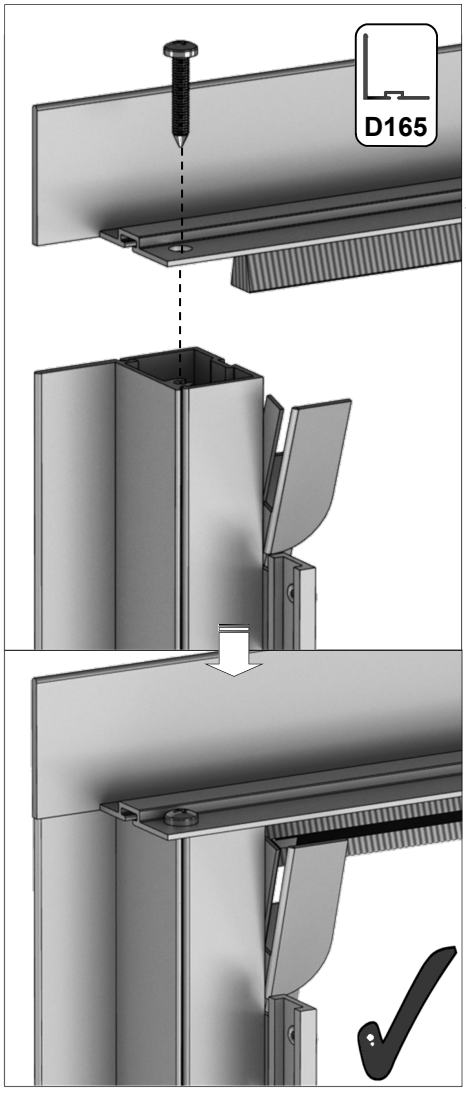


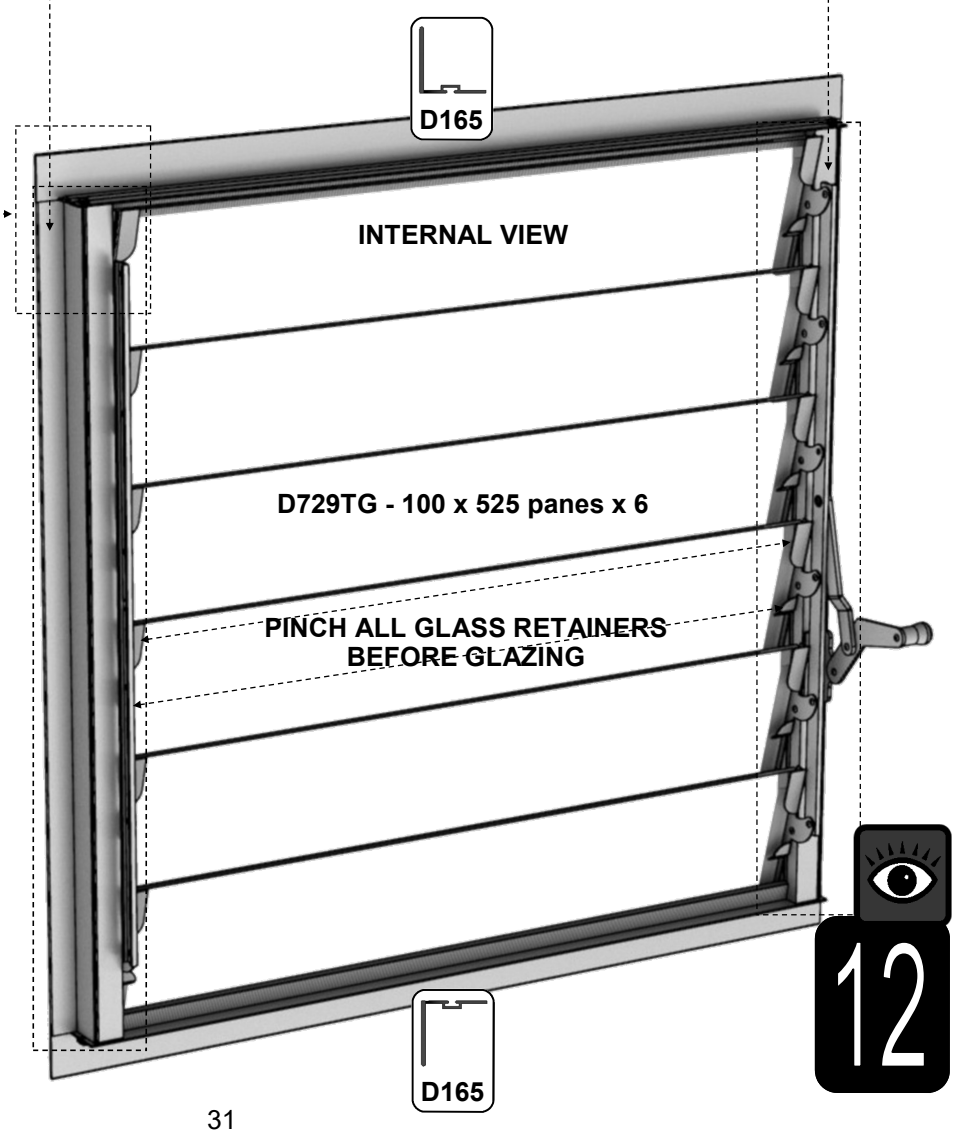


Part No		mm	Quantity
D168L		552	1
D168R (handle)		552	1
D165		612	2
D166		552	2
FS6013		12	4



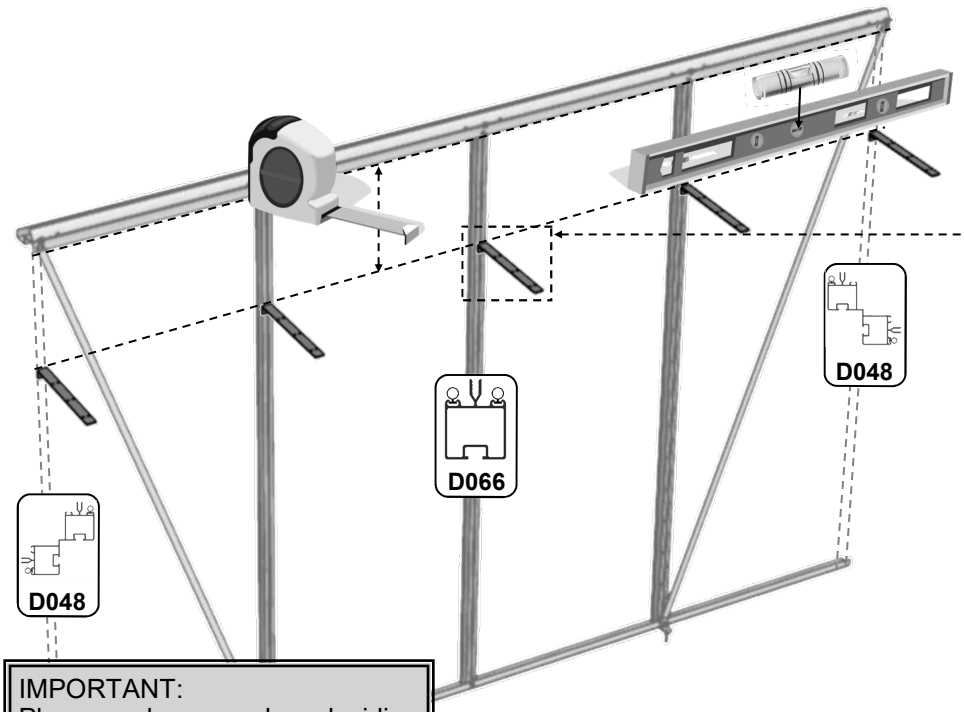




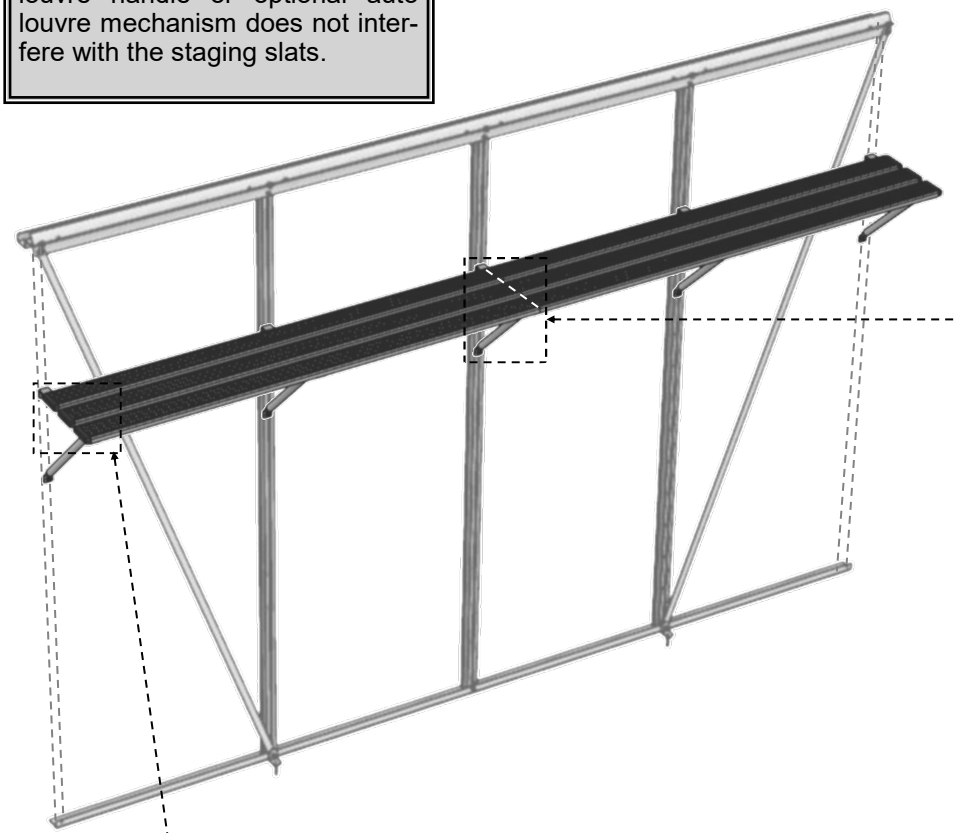


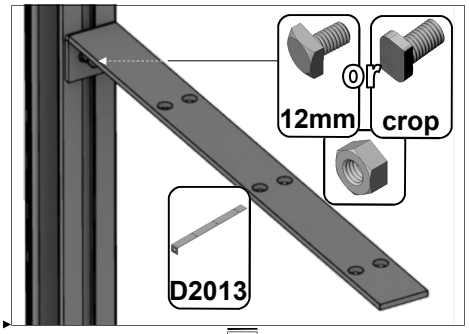
12

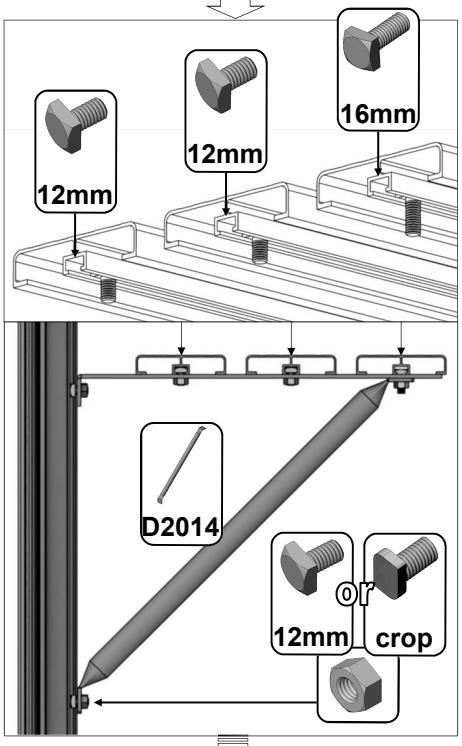
Example: 2 x 4' 3 slat shelves 'ST0304' = 8' run

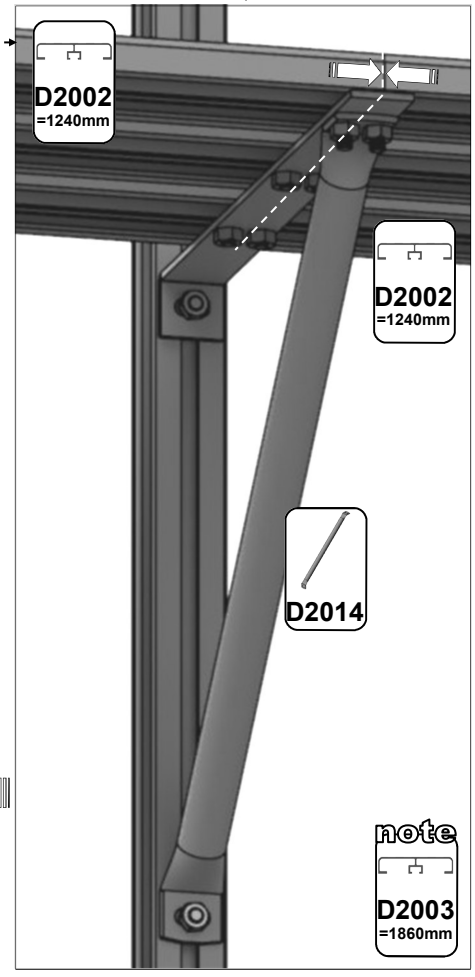


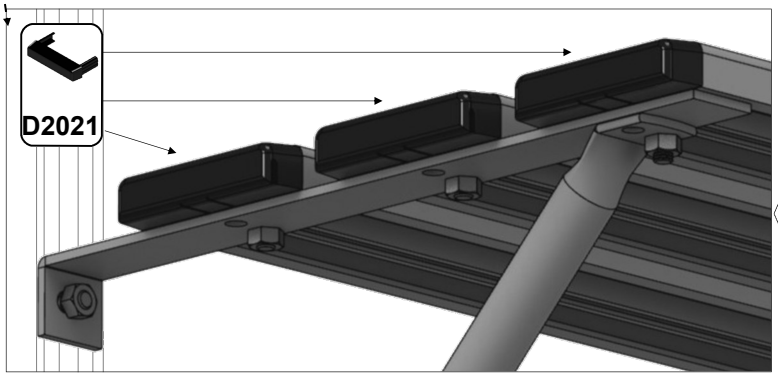
IMPORTANT:
Please make sure when deciding on your shelving heights that the louvre handle or optional auto louvre mechanism does not interfere with the staging slats.





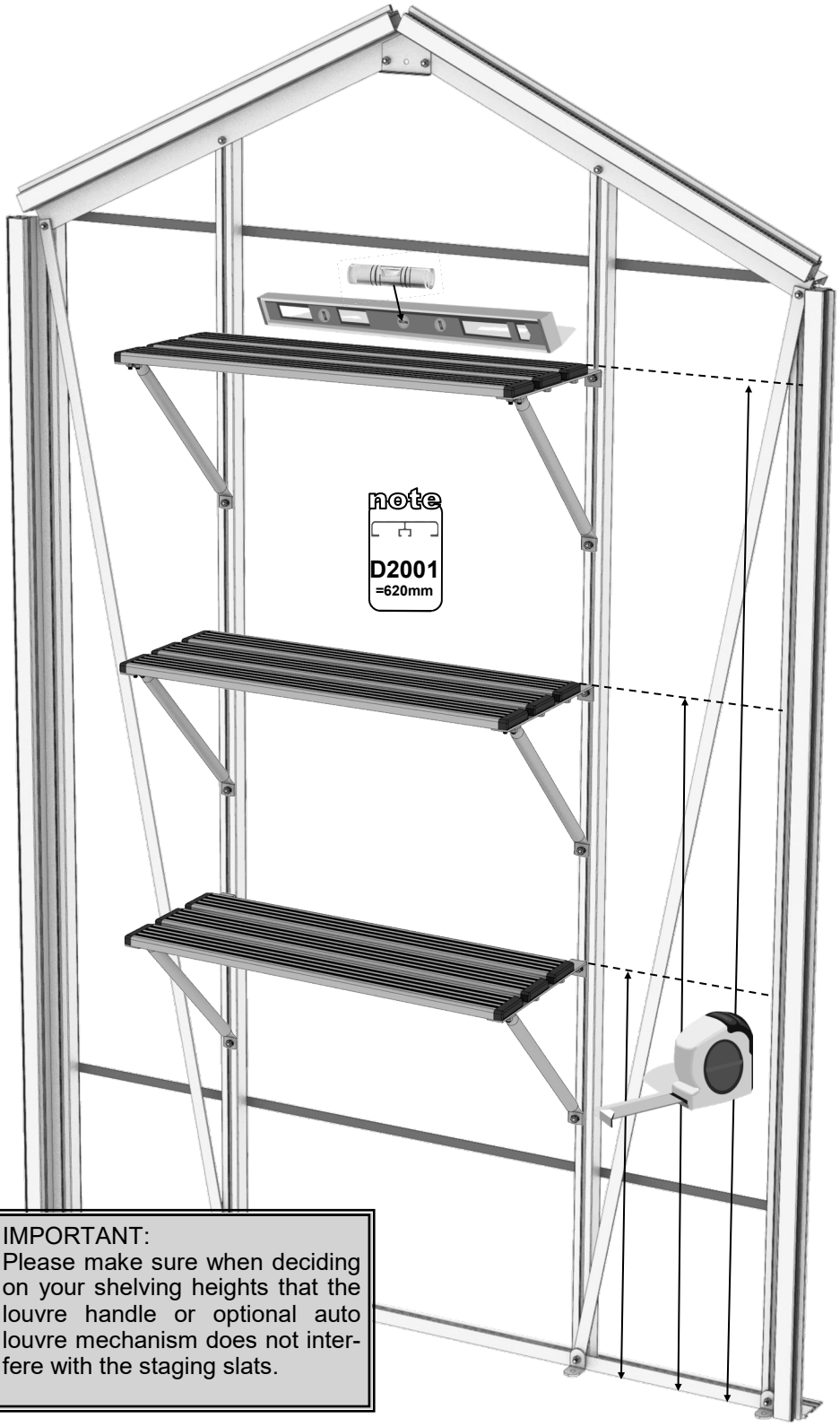


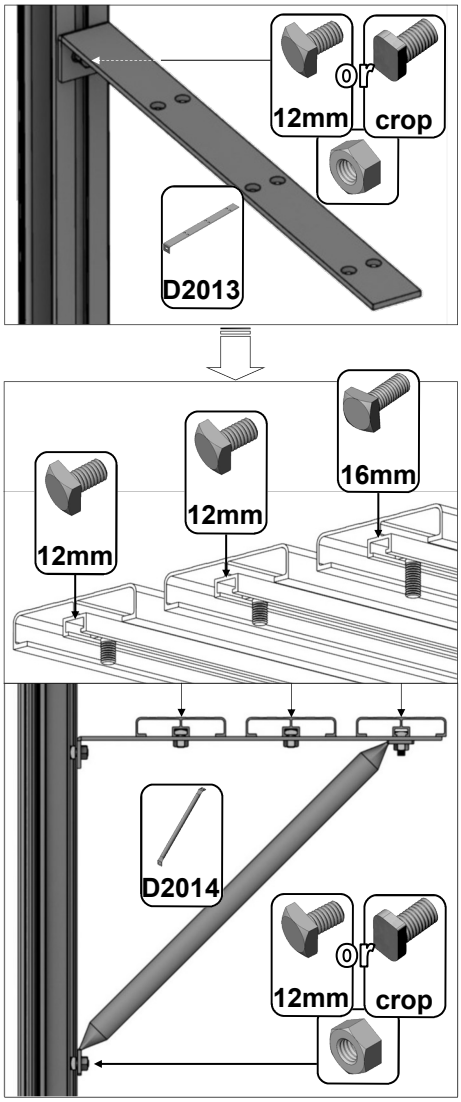




13

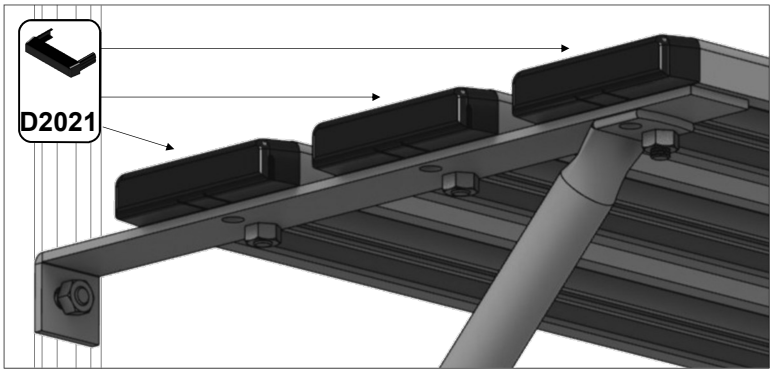
Example: 3 x 2' 3 slat shelves in rear gable



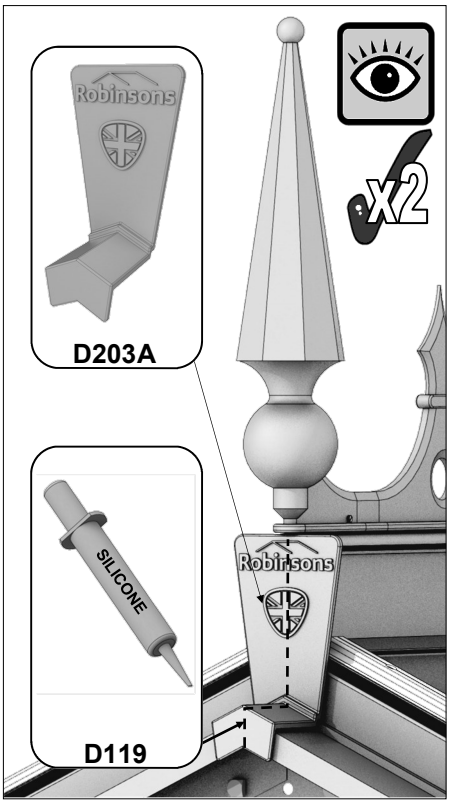


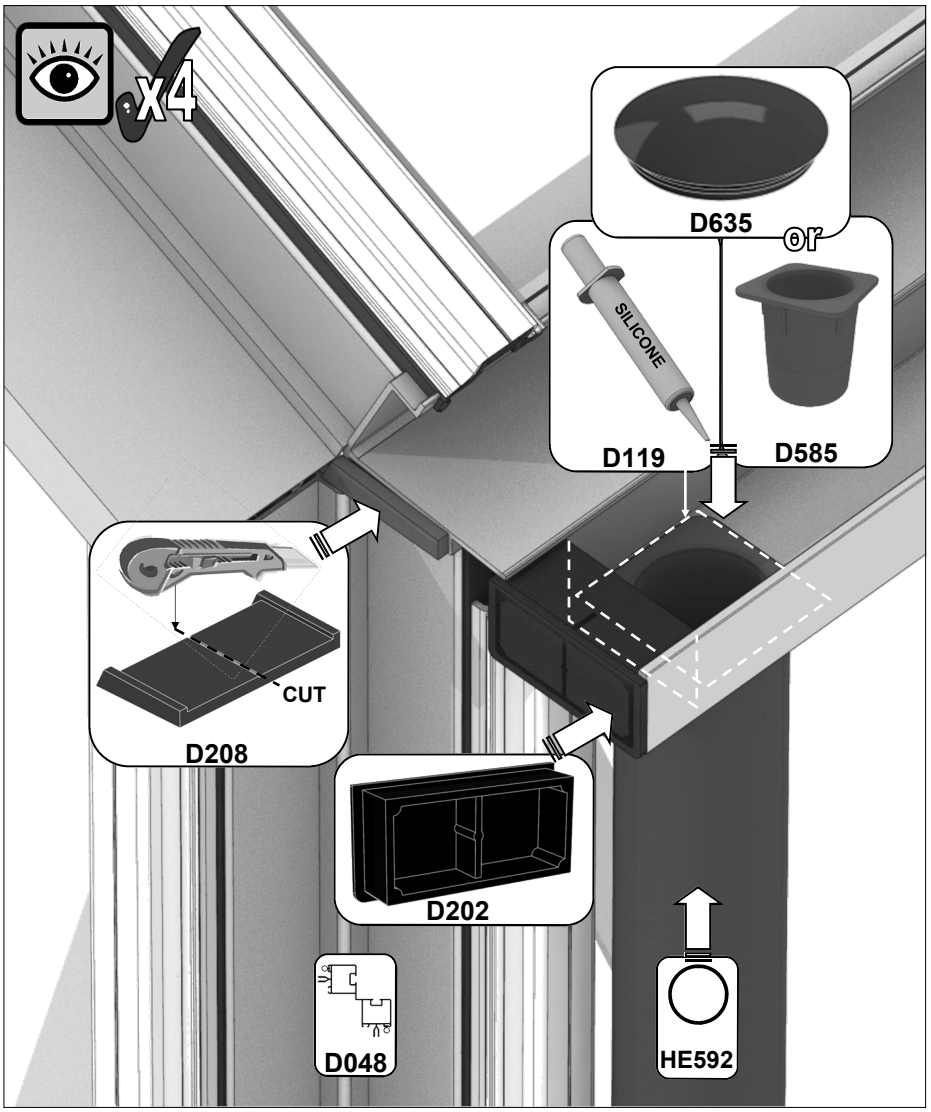
IMPORTANT:
Please make sure when deciding on your shelving heights that the louvre handle or optional auto louvre mechanism does not interfere with the staging slats.

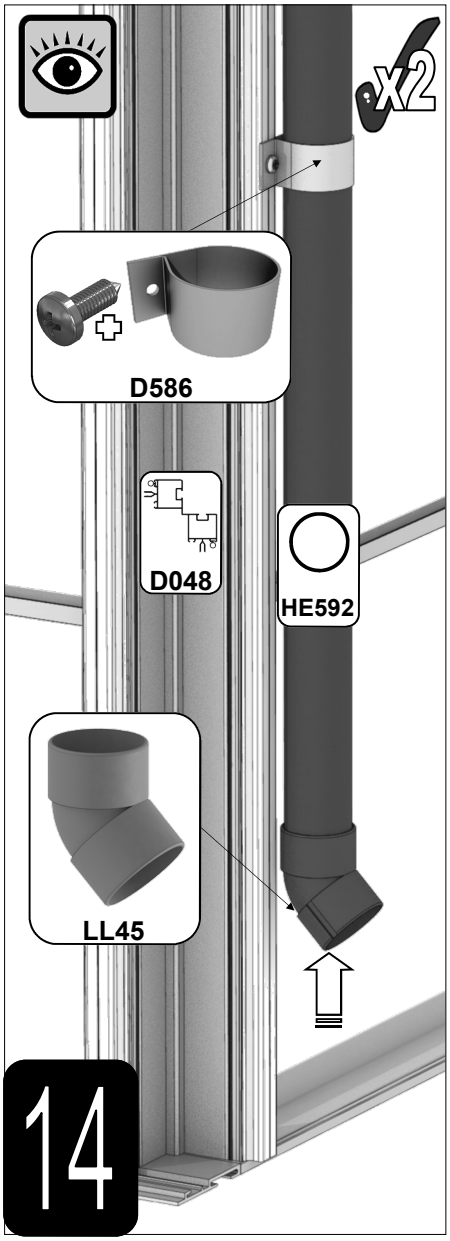
1 x 2' 3 SLAT QUANTITIES		
Part No	**Length (mm)**	**Quantity**
D2001	620	3
D2013	285	2
D2014	370	2
D2021	N/A	6
BOLM6 X12	12mm	8
BOLM6 X16	16mm	2
NUTM6	M6 nut	10
BOLM6 X11CROP	10mm	4?

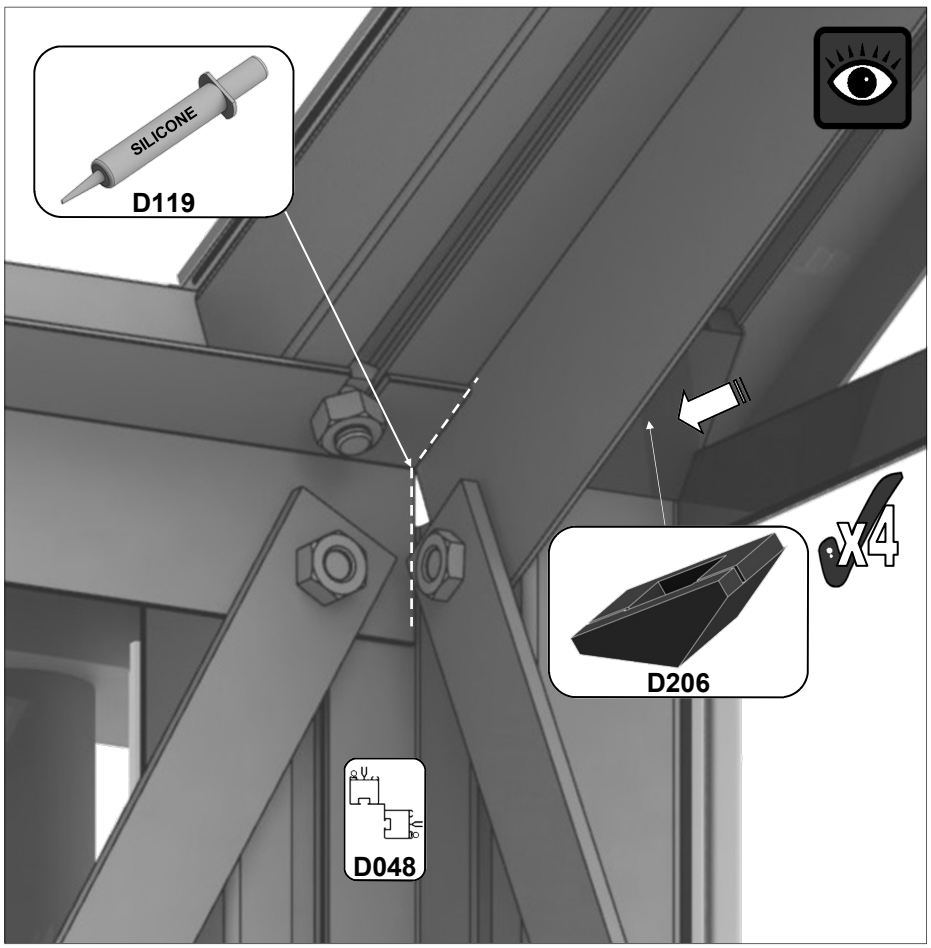


13


x2
D203A
SILICONE
D119
Robinsons

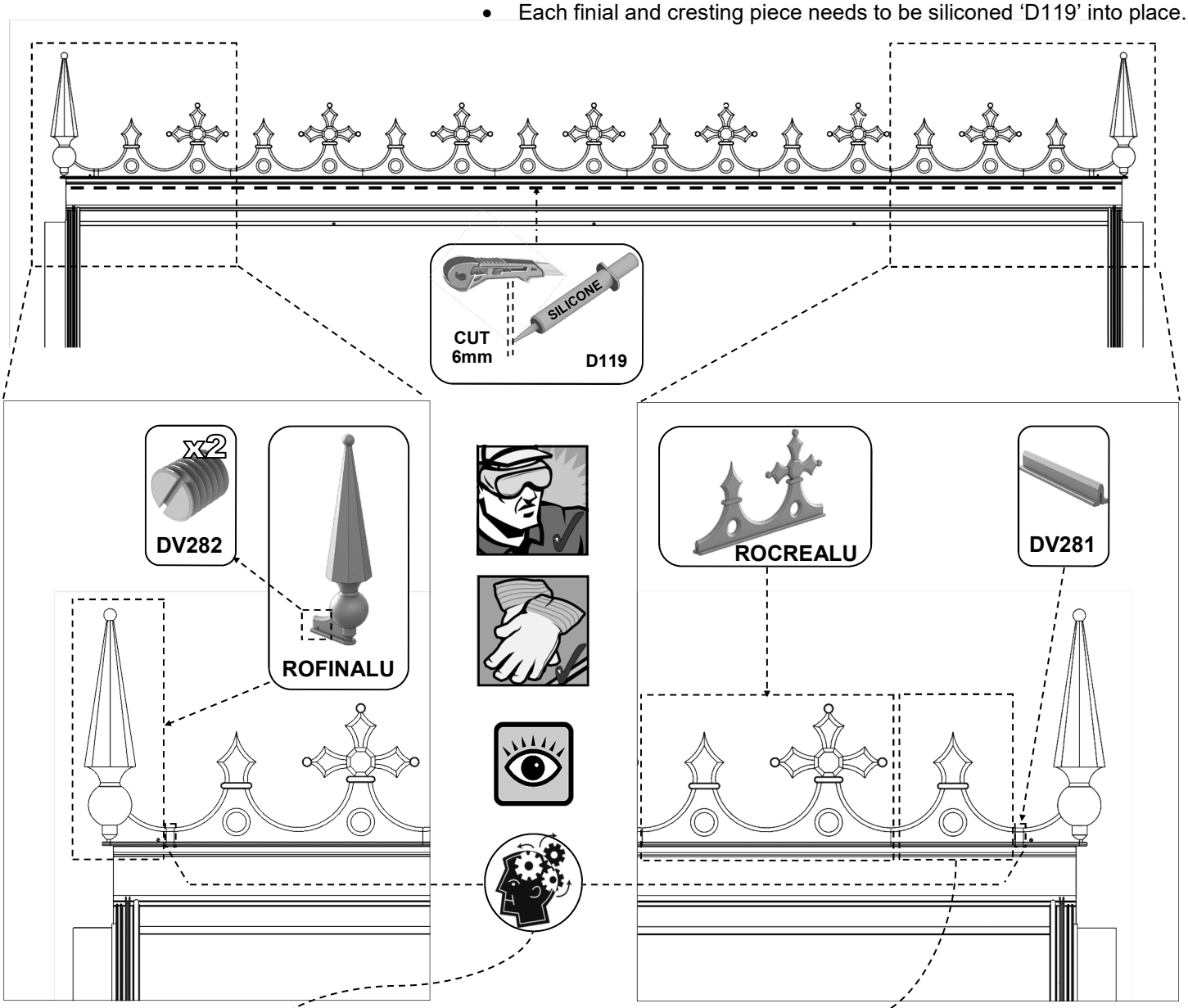

x4
D635
or
SILICONE
D119
D585
CUT
D208
D202
D048
HE592

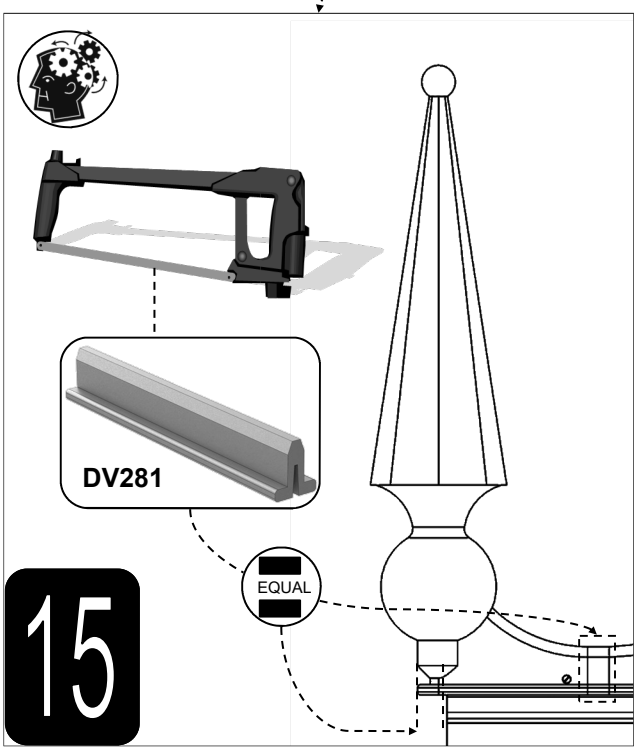

x2
D586
D048
HE592
LL45
14

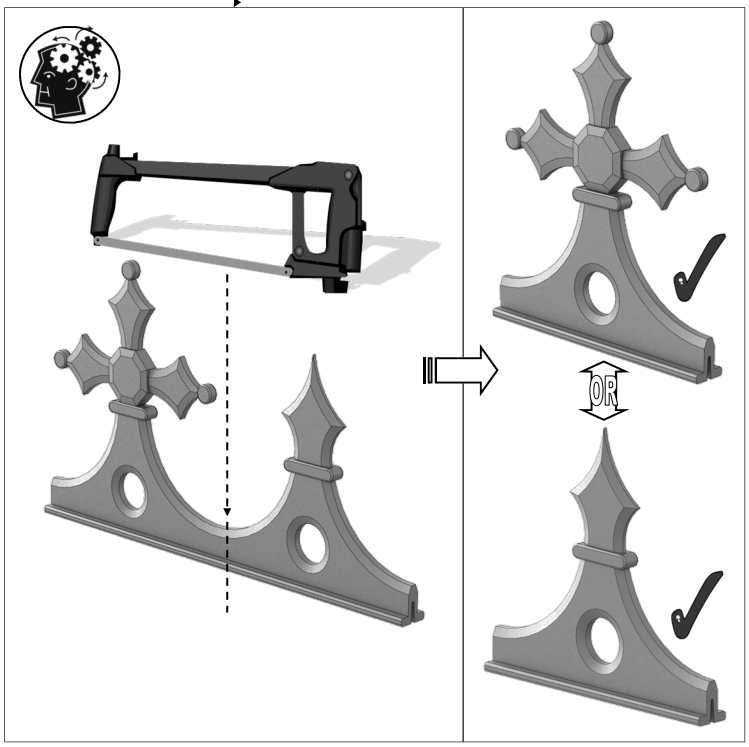

SILICONE
D119
x4
D206
D048

OPTIONAL cresting = {

- End finials need to be pinched onto ridge using ‘DV282’ grub screws.
- Depending on your ridge length a half cresting may need to be cut or/ and some spacer bar ‘DV281’ cut into two equal sections.
- Each finial and cresting piece needs to be siliconed ‘D119’ into place.







Please be aware that this is a multi-national manual, if you spot any errors or have any constructive comments regarding the manual please email james.spooner@greenhousepeople.co.uk and I will make the necessary amendments. Whilst the information contained in this booklet is accurate at the time of publication, changes in the course of Robinsons policy of improvement through development and design might not be indicated. We point out this fact to avoid any infringements of the Trade Descriptions Act and also to advise that Robinsons Greenhouses reserve the right to change specifications and materials without prior notice.

In addition any photographs of completed buildings would be most appreciated to add to our portfolio.

THIS GREENHOUSE BOX WAS PACKED BY: DATE:_____

_____

Robinsons
ALUMINIUM GREENHOUSES

www.robinsonsgreenhouses.co.uk

To contact Robinsons Customer Services email us at sales@robinsonsgreenhouses.co.uk or call us on 01782 385 409.

Our address is Robinsons Greenhouses, Unit 19 Blythe Park, Cresswell, Stoke-on-Trent, Staffordshire, ST11 9RD