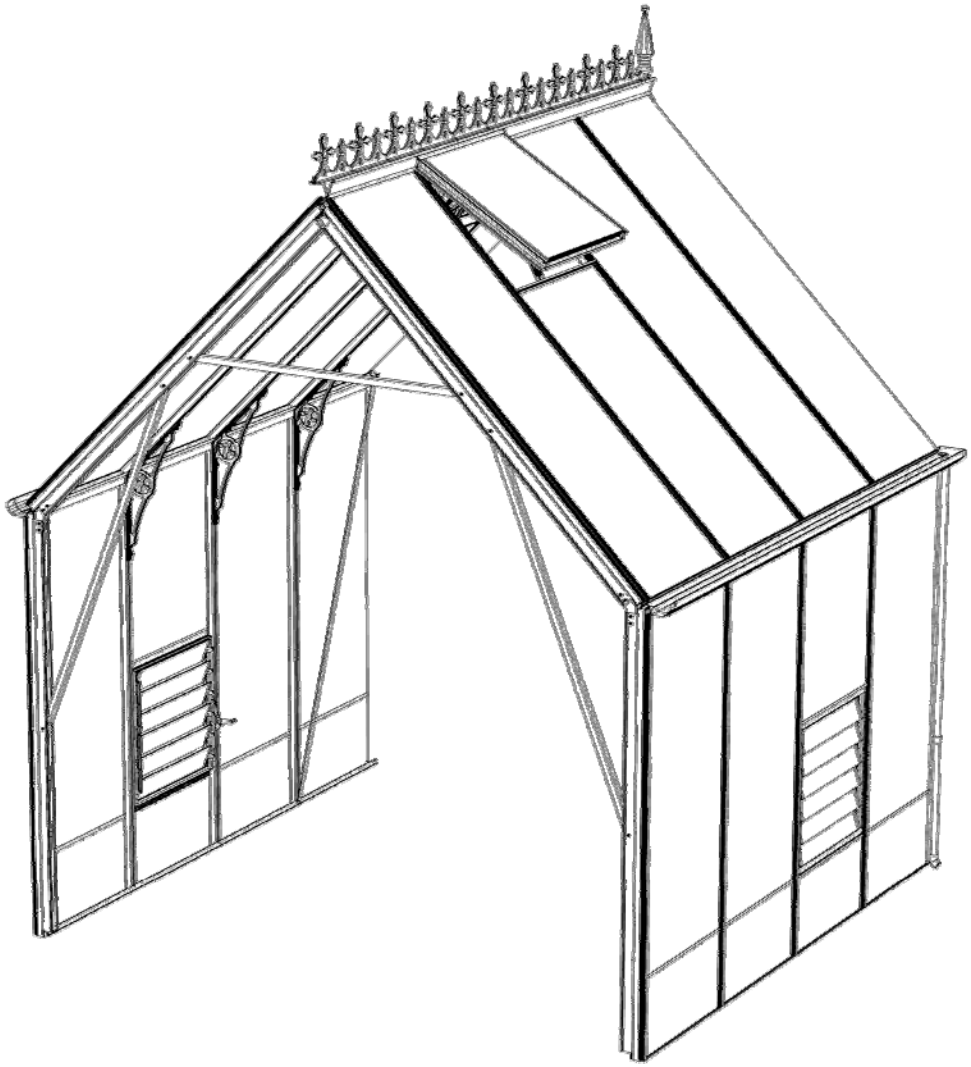
Robinsons
ALUMINIUM GREENHOUSES

Victorian Extensions
Assembly Instructions



NOMINAL SIZE	(mm)
4ft extension	1240
6ft extension	1860
8ft extension	2480
10ft extension	3100
12ft extension	3720

Issue 1.3

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 to be used in conjunction with the main instruction manual (read them before this manual):

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

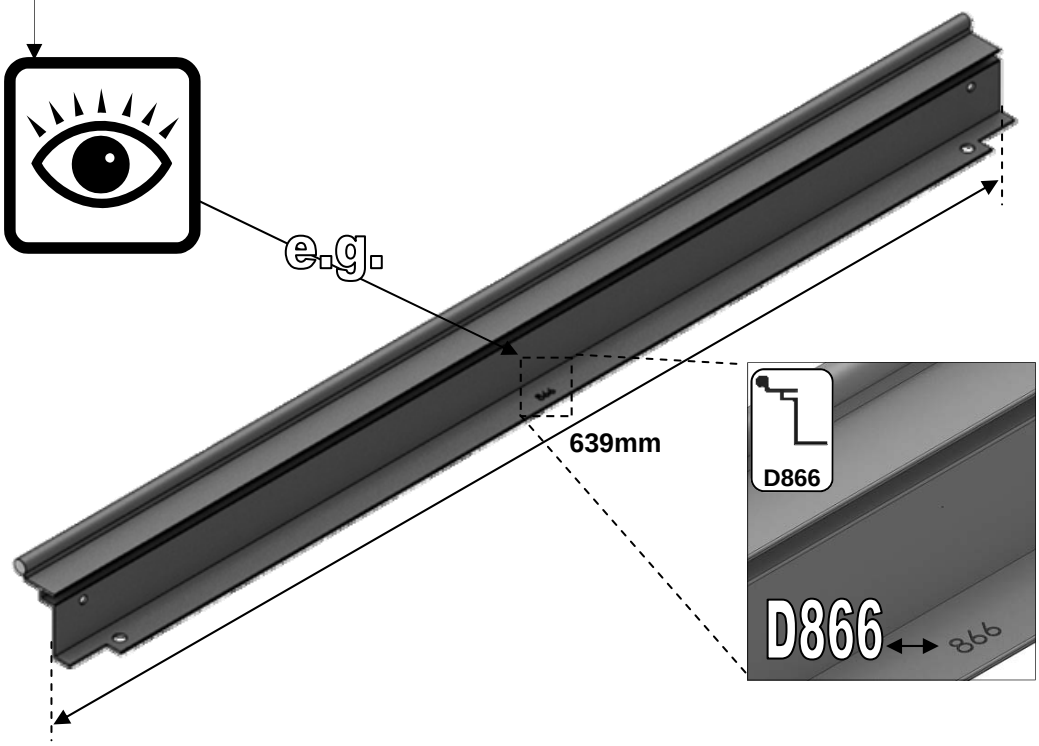
- When selecting a site for your greenhouse, it is vital that you choose as flat and level an area as possible.
- A concrete or slabbed base will provide the most solid foundation for your greenhouse.
- IMPORTANT: Do **not** fix your building down until the building is fully assembled, including glazing.
- 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.

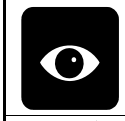
Additional Considerations

- 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. Some parts are numbered and can be identified by a stamped or hand written number (without the 'D'). Alternatively, the components can be identified by their distinctive profiles, lengths and quantities detailed in the parts list.
- 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 framework. This does not include glazing, moving parts, accidental damage or wind damage.



KEY SYMBOL	KEY DESCRIPTION
	EXTERNAL VIEW
	INTERNAL VIEW
	THINK
	CORRECT
	TWIST TO LOCK
	CUT TO LENGTH

PLEASE CONTACT US FOR A BASE PLAN FOR ANY MODIFICATIONS i.e. Drop door/s, dwarf wall, partition, etc…) NOT LISTED ON THIS PAGE.

MPORTANT: IF YOU HAVE ANYTHING OVERHANGING THE RIDGE ON A LEAN-TO, PLEASE ALLOW HEIGHT CLEARANCE FOR THE ROOF VENT.

ROBINSONS BASE PLANS

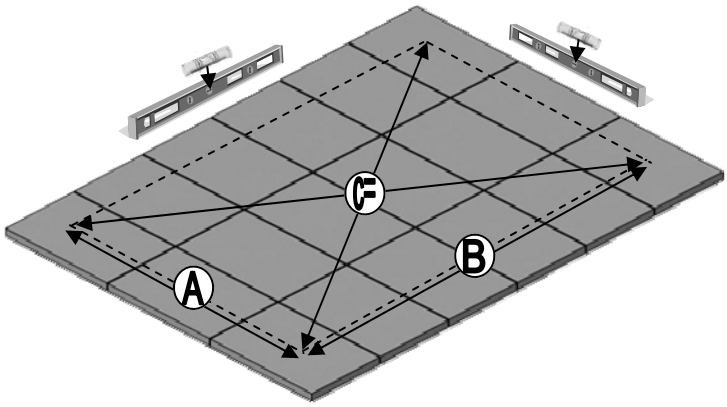
THE FOLLOWING DIMENSIONS ARE THE EXACT EXTERNAL BASE DIMENSIONS FOR THE ROBINSONS RANGE.

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.

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.

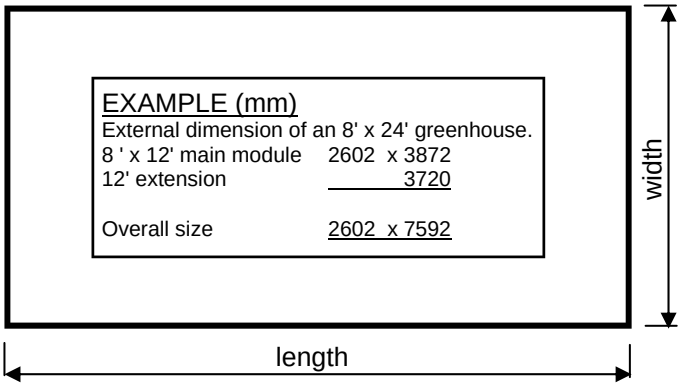
Give yourself enough room around your base to allow for fitting the glass and any on-going maintenance / cleaning. A slab base which is larger than the greenhouse is the ideal solution.



THE BASE MUST BE FLAT, LEVEL AND SQUARE.

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). A brick plinth is an advantage because it minimises the chances of any water running back underneath the base cill.

Note, when calculating the length of a unit that has an extension you must add the main module dimension to give you the overall length. See diagram below.



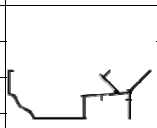
VICTORIAN ROBINSONS EXTENSIONS <u>VERY IMPORTANT</u> INFORMATION:

If you have been supplied with an extension (i.e. your building is longer than 12'), your main building will differ in that the roof end and corner glazing bars (on the end to which the extension will be fitted) are replaced with side and roof glazing bars from the extension module kit. These should be fitted using 15mm bolts. In addition, it will be necessary to slide additional 10mm bolts into each side bar and roof bars to accommodate a reinforcing channel (10mm bolts must be used here, 15mm bolts will get in the way when fitting the square a-frame tubing). You only need four side diagonal braces per building (two each side), move the two (currently on main sides) nearest the extension join towards the rear.

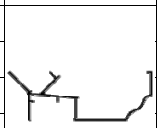
Be careful not to mix up your extension cills and gutters. There will be a separate gutter and cill for the left and right side extensions. In addition one set of holes in both the gutter, cill, and ridge sections are slightly closer together (**<u>586mm instead of 620mm</u>**). When fitting the extension ridge, gutters and side cills, the 586mm hole centres at one end of the extension components must abut the main greenhouse. Each of the extension joining plates should be initially attached to the main building and then onto the 586mm spaced hole end of each extension section.
IMPORTANT: Each glazing bar centre should then be **<u>620mm</u> apart**. If not your glass will not fit properly. See next pages 6 and 7 for more details.

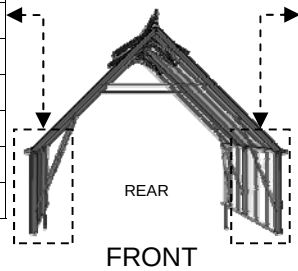
Extensions Parts List

LEFT HAND SIDE EXTENSION

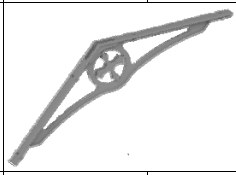
Part No.	Section	Size (mm)	4' EX	6' EX	8' EX	10' EX	12' EX
D075L		1240	1				
D029L		1860		1			
D024L		2480			1		
D025L		3100				1	
D026L		3720					1
DV241L		1240	1				
DV217L		1860		1			
DV214L		2480			1		
DV215L		3100				1	
DV216L		3720					1

RIGHT HAND SIDE EXTENSION

Part No.	Section	Size (mm)	4' EX	6' EX	8' EX	10' EX	12' EX
D075R		1240	1				
D029R		1860		1			
D024R		2480			1		
D025R		3100				1	
D026R		3720					1
DV241R		1240	1				
DV217R		1860		1			
DV214R		2480			1		
DV215R		3100				1	
DV216R		3720					1



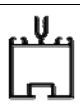
FRONT

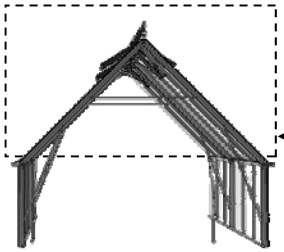
Part No.	Section	Size (mm)	4' EX	6' EX	8' EX	10' EX	12' EX
D114		N/A	2				
D136		1546	2				
D174		N/A	2	4	6	8	10
DV100			2	4	6	8	10
DV153		N/A	4	4	4	4	4
DV227		N/A	2				

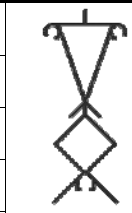
DWARF SIDES

Part No.	Section	Size (mm)	4' EX	6' EX	8' EX	10' EX	12' EX
D673		1114	2				
D609		1160	4	6	8	10	12
RUBBER		1000 (1m)	10	14	20	26	34

STANDARD SIDES

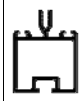
Part No.	Section	Size (mm)	4' EX	6' EX	8' EX	10' EX	12' EX
D131		1630	2				
D066		1676	4	6	8	10	12
RUBBER		1000 (1m)	14	22	28	34	42

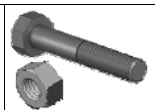
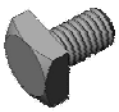
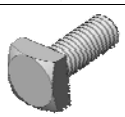
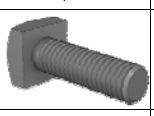


Part No.	Section	Size (mm)	4' EX	6' EX	8' EX	10' EX	12' EX
VICTORIAN RIDGE EXTENSION VARIABLES							
DV240		1240	1				
DV205		1860		1			
DV206		2480			1		
DV207		3100				1	
DV208		3720					1
D114		N/A	2				
DV101			1	2	3	4	5

Part No.	Section	Size (mm)	4' EX	6' EX	8' EX	10' EX	12' EX
VIC 6 WIDE BUILDING ROOF							
DV229		704	1				
DV228		1270	2				
DV253		1345	4	6	8	10	12
RUBBER		1000 (1m)	11	17	22	27	33

Part No.	Section	Size (mm)	4' EX	6' EX	8' EX	10' EX	12' EX
VIC 8 WIDE BUILDING ROOF							
D138		1167	1				
DV222		1715	2				
DV254		1790	4	6	8	10	12
RUBBER		1000 (1m)	15	22	30	36	44

Part No.	Section	Size (mm)	4' EX	6' EX	8' EX	10' EX	12' EX
VIC 11 WIDE BUILDING ROOF							
D136		1546	1				
DV223		2376	2				
DV255		2450	4	6	8	10	12
RUBBER		1000 (1m)	20	30	40	50	60

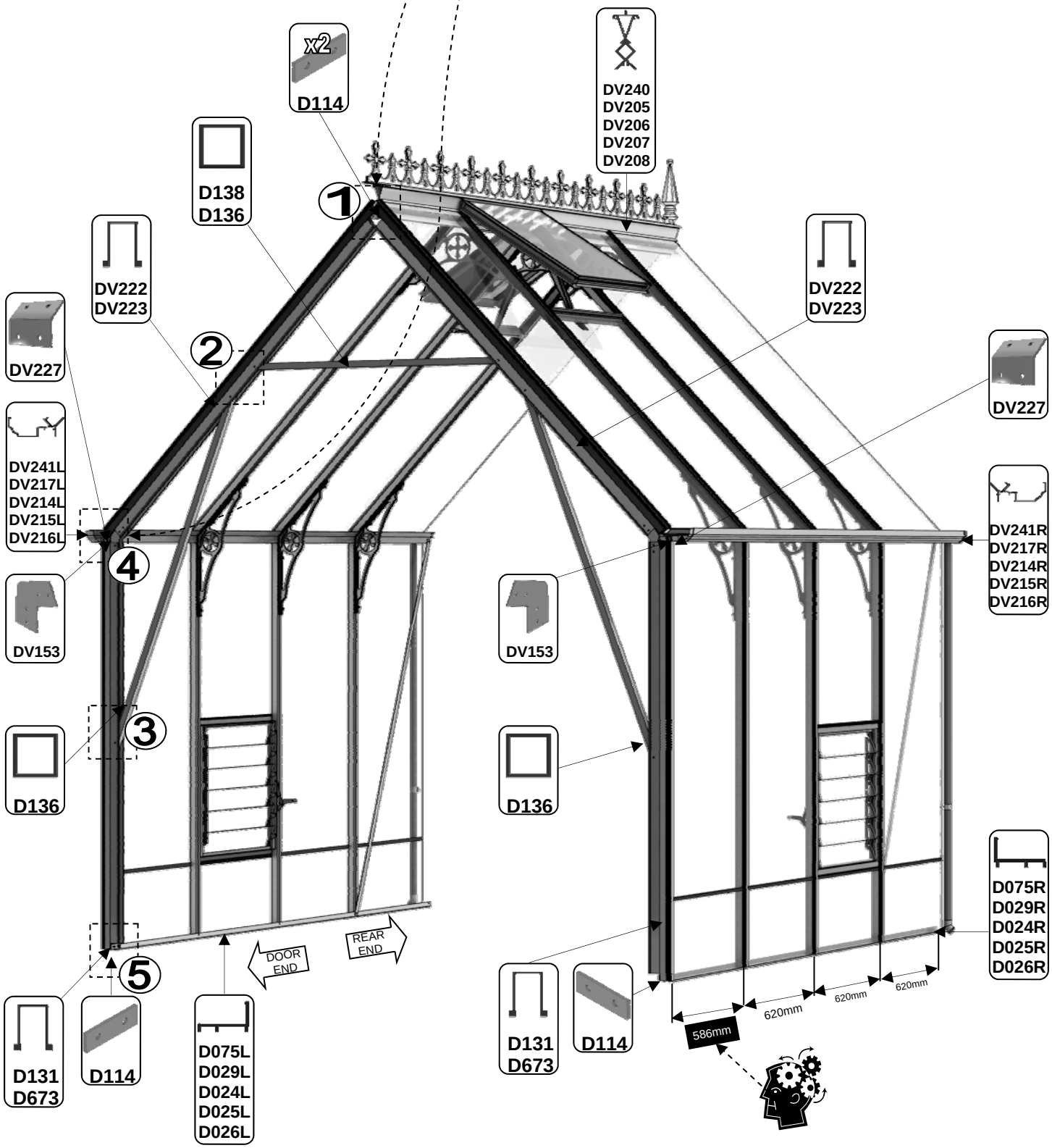
Part No.	Section	Size (mm)	4' EX	6' EX	8' EX	10' EX	12' EX
FS6006		35mm	6				
FS6504		M6 S/S	6				
SYBOLM6X11		10mm	60	66	72	78	84
SYBOLM6X15		15mm	10	12	14	16	18
SYBOLM6X22		22mm	12	24	36	48	60
SYNUTM6		M6	82	102	122	142	162

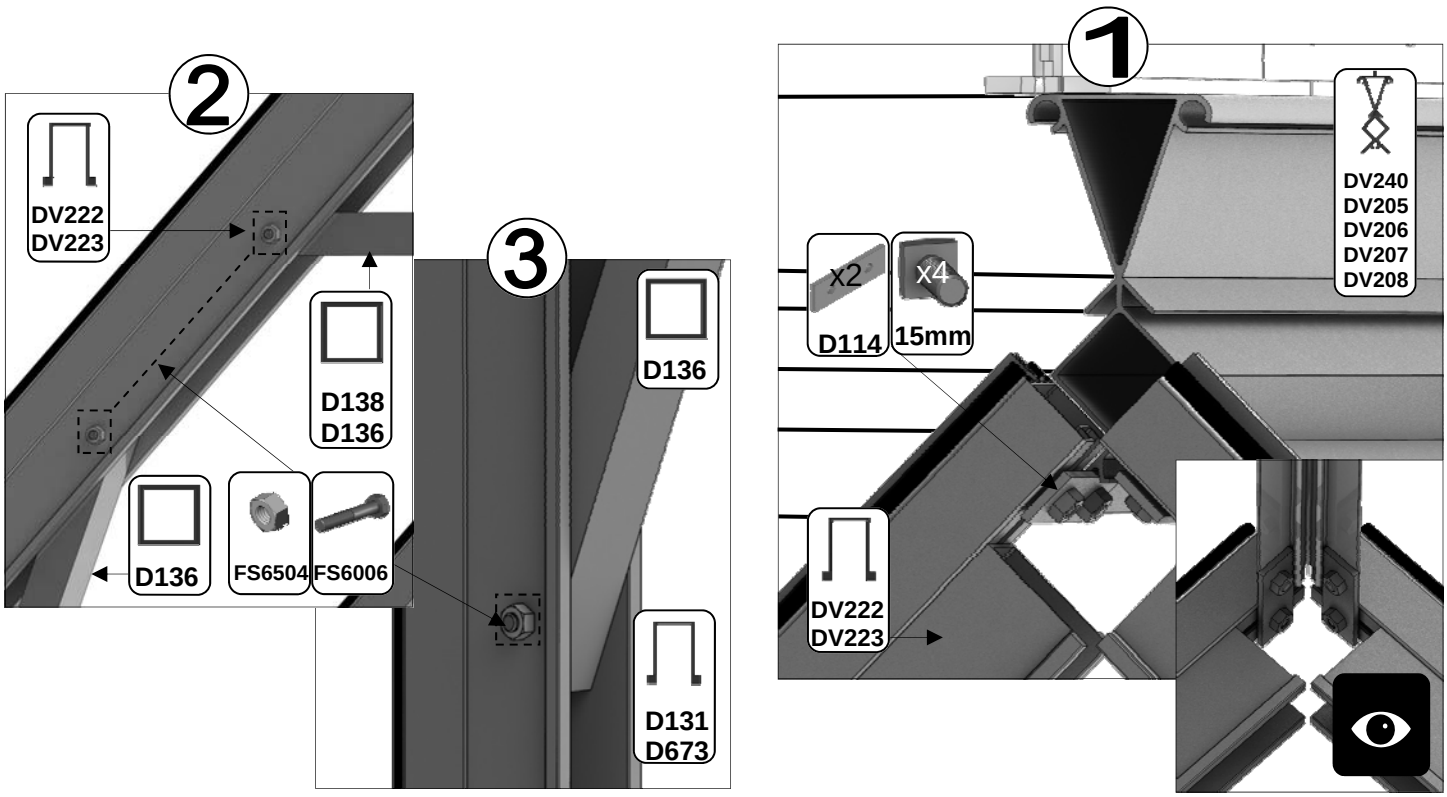
Free-Standing & Dwarf Extensions

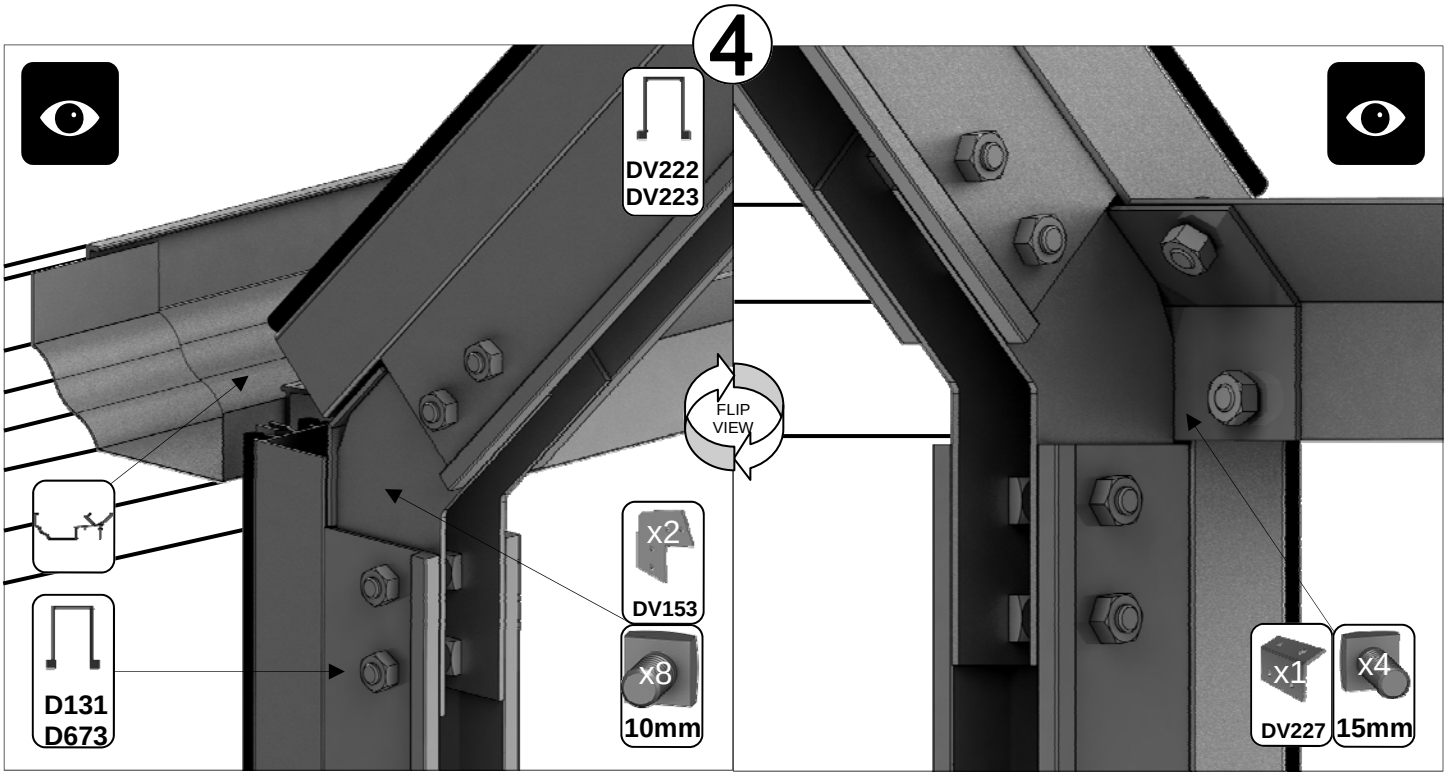
(8' WIDE X 8' LONG EXAMPLE SHOWN)

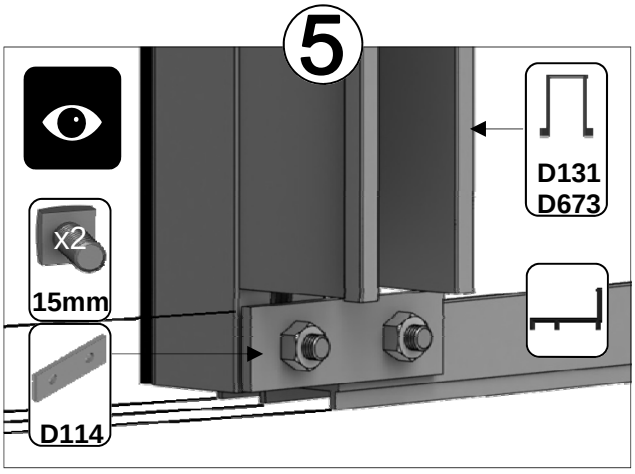
IMPORTANT: Extended buildings should have transparent all-weather silicone applied to the join between a standard ridge and an extension ridge/s to minimise leaks. This is often easier to do before glazing as access is easier. It is also advisable to repeat the process at gutter level on the gutter rear flanges though the gutter water channel itself is best sealed towards the end of construction.

D119

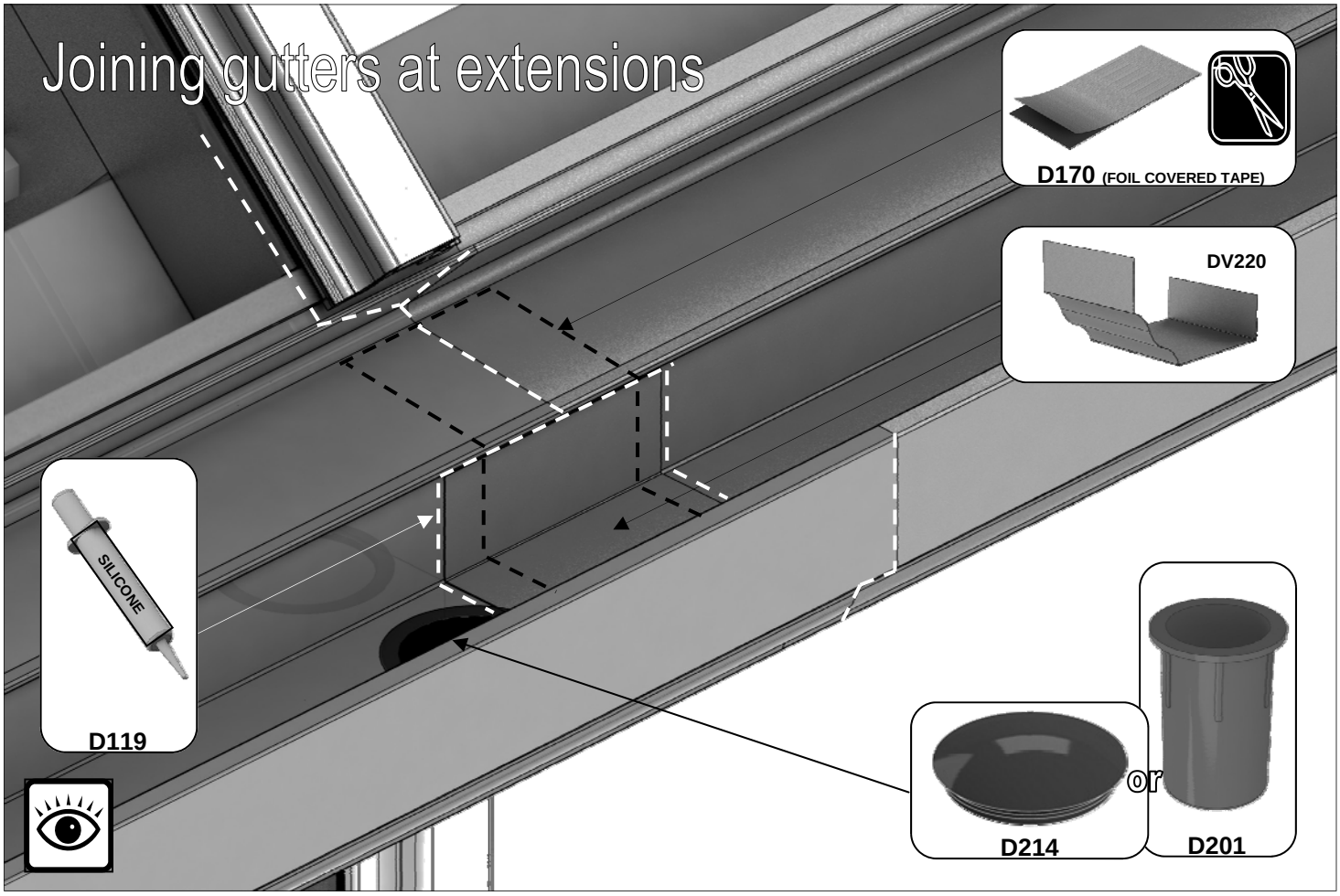



1
DV240
DV205
DV206
DV207
DV208
x2
D114
x4
15mm
DV222
DV223
2
DV222
DV223
D138
D136
D136
FS6504
FS6006
3
D136
D131
D673

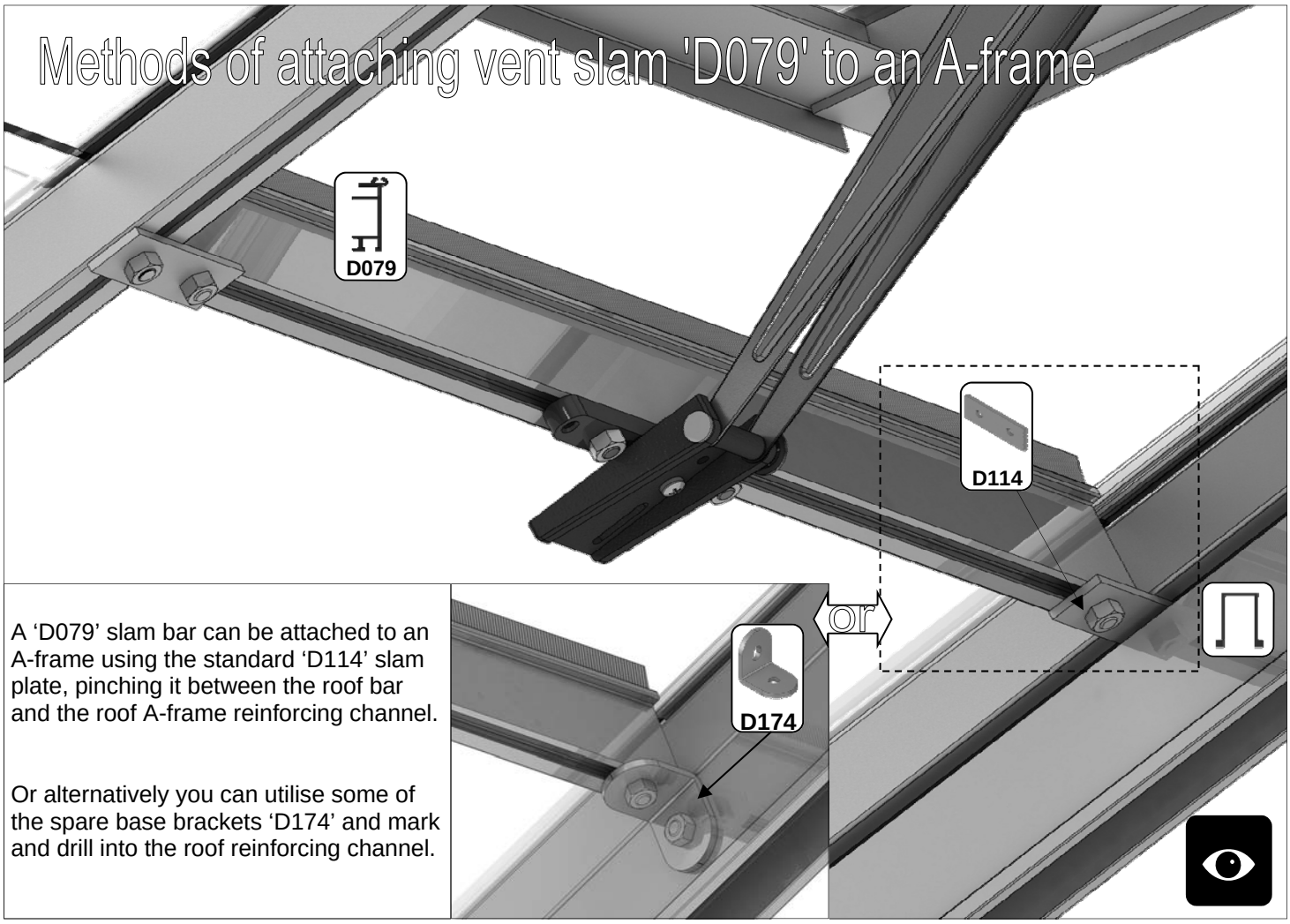

4
DV222
DV223
FLIP
VIEW
x2
DV153
x8
10mm
D131
D673
x1
DV227
x4
15mm


5
D131
D673
x2
15mm
D114

Joining gutters at extensions



Methods of attaching vent slam 'D079' to an A-frame

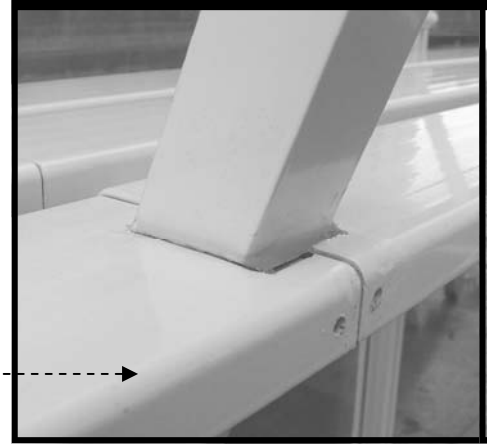


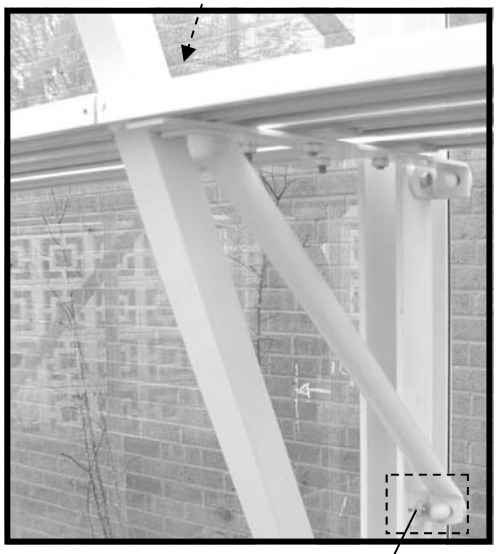
A ‘D079’ slam bar can be attached to an A-frame using the standard ‘D114’ slam plate, pinching it between the roof bar and the roof A-frame reinforcing channel.

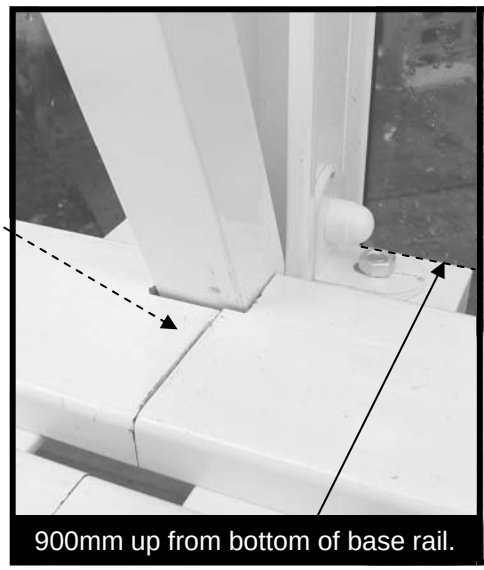
Or alternatively you can utilise some of the spare base brackets ‘D174’ and mark and drill into the roof reinforcing channel.

Staging around A-frames

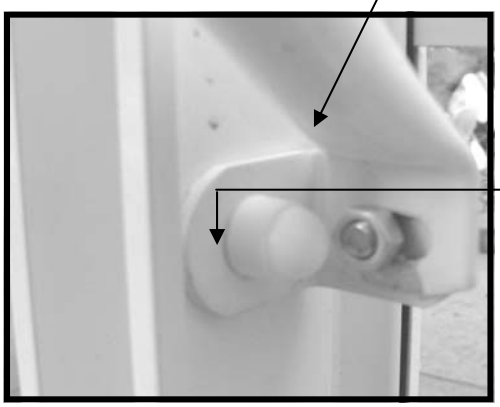
When adapting a shelf or staging section to fit around an A-frame the slats can be cut in several ways to give a neat, level result.







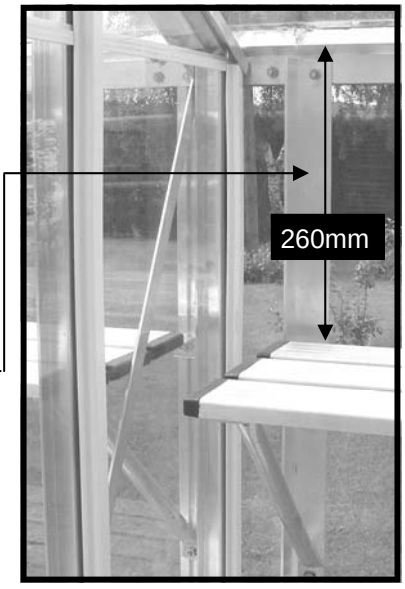
900mm up from bottom of base rail.

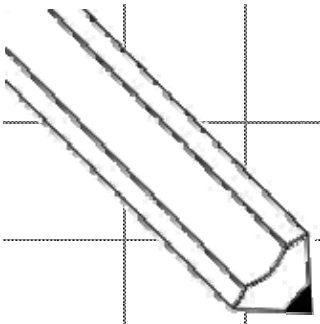


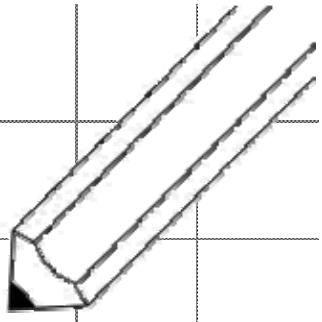
Fitting Robinsons slatted **shelving** and **staging** using the instructions is usually quite straight forward. However if you have chosen a greenhouse which includes **A-frames** or a **partition** then fitting the staging becomes more complicated. In these instances some additional adaptation brackets where A-frames are included, and some side height vertical bracings for a partition.

You need to **cut** (using a hacksaw) the staging slats to fit around the A-frames at which ever **height** you have pre-determined (we recommend **900mm** up from the bottom of the base rail for **staging**, and **260mm** down from the top / back of the gutter for the **shelf**).

Spare **ground anchoring brackets** can be used to attach the shelf and staging supports to the side of an A-frame or **side height vertical bracing** when fitting around a partition.







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:_____

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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.

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