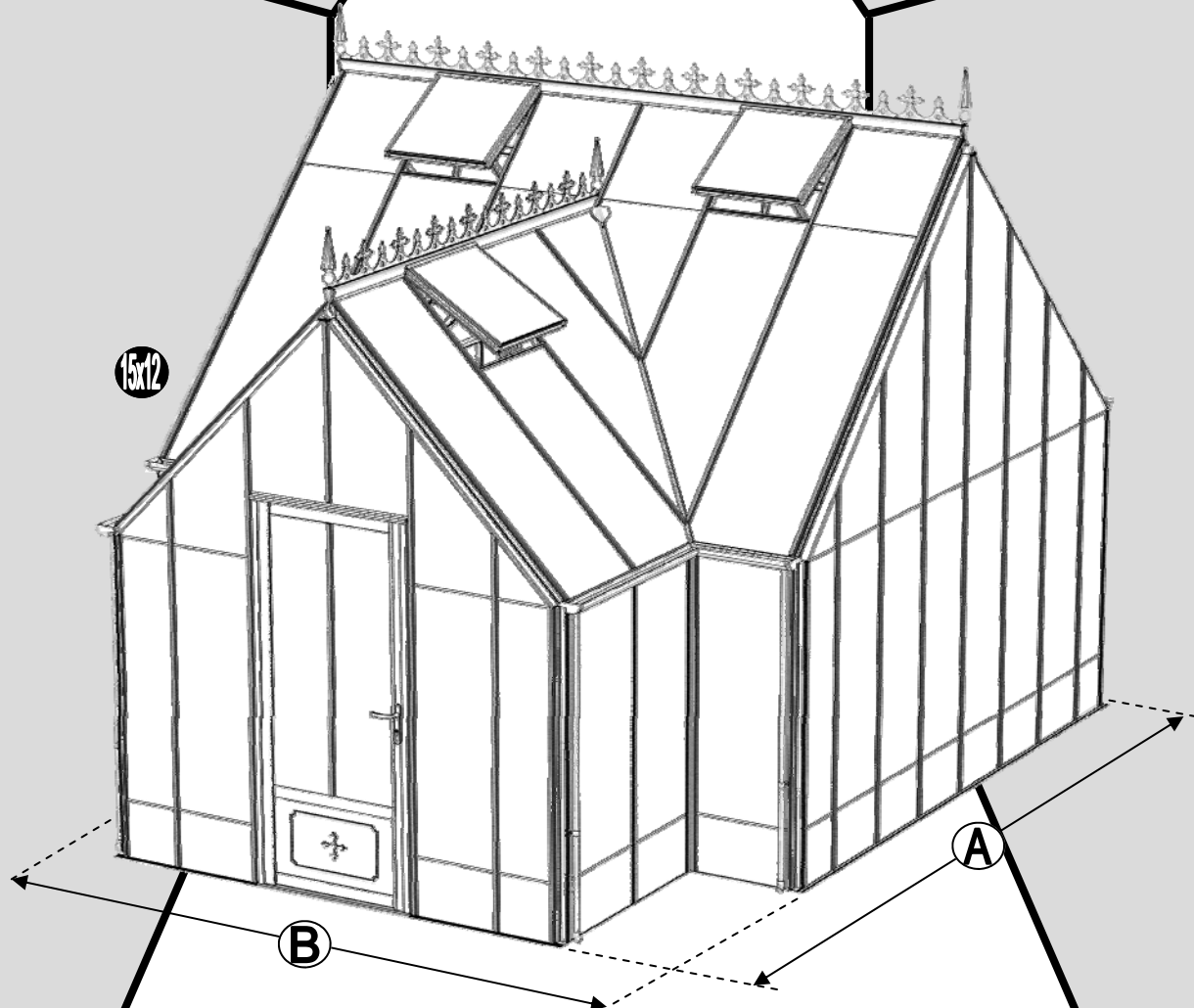


Robinsons
ALUMINIUM GREENHOUSES

Victorian 'REICLIFFE' 15 Assembly Instructions



| NOMINAL SIZE | A (mm) | B (mm) |
|--------------|--------|--------|
| 15 x 12 | 4791 | 3872 |
| 15 x 20 | | 6352 |
| 15 x 28 | | 8832 |
| 15 x 36 | | 11312 |

Issue 1



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**-rear, **2**-porch gable, **3**-end gables, **4**-porch sides, **5**-main frame assembly, **6a**-rear roof, **6b**-porch roof, **7**-vent, **8**-louvre, **9**-glazing, **10**-vent attachment, **11**-door attachment, **12** anchoring down, **13** finishing touches, **14** optional shelf, **15** optional staging. If you need to contact us for assistance please refer to the relevant section/s. If your building is longer than 12', i.e. has an extension then please also refer the separate extension manual before you begin construction.

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

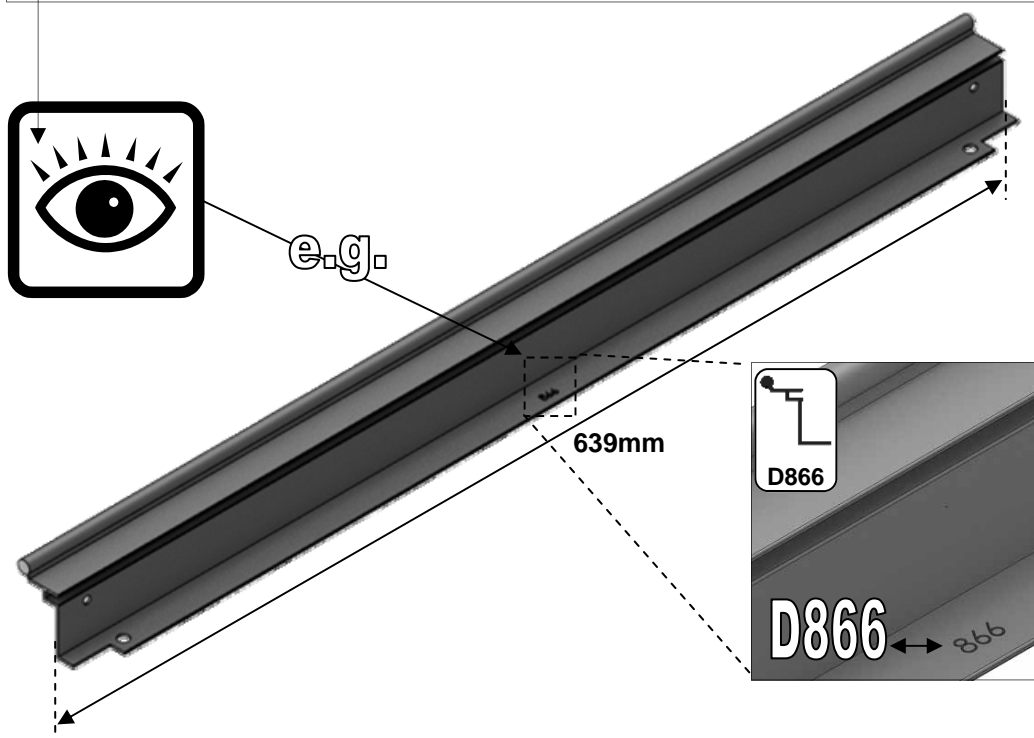
- When selecting a site for your greenhouse, it is vital that you choose as flat and level an area as possible.
- A concrete or slabbed base will provide the most solid foundation for your greenhouse.
- **IMPORTANT:** Do **not** fix your building down until the building is fully assembled, including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

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 |

| SECTION No | TITLE | ASSEMBLY SYNOPSIS: IMPORTANT INFORMATION / CONSIDERATIONS |
|--|-------------------------|--|
| B P 1 2 / 3 4 5 6a 6b 7a 7b 8 9 10 11 12 13 14 15 | PARTS LIST | Most components should have a 'D' code punched into their metal surface. Identify and separate all like for like components prior to assembly. The 'parts list' also separates parts into the various sections 1 - 13 shown below. Parts can also be identified by their profile pictures and stated lengths etc.. |
| | 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. Please be aware that the hinge door on your greenhouse opens inwards, make sure that there will be no interference between the door and the foundations. |
| | PREPARATION | Tools required. IMPORTANT: Use WD40 or similar in the glazing bar channels and insert the black glazing rubber prior to frame assembly. |
| | REAR | Take the glazing bars 'D066' with the rubber inserted and the diagonal braces 'D103', use 10mm bolts to join them to the gutter and 15mm bolts to the cills (note how the head of the bolt slides into each glazing bar during construction). Please also remember to slide in your 22mm bolts for attaching the decorative eave spandrels 'DV100' in section 6. |
| | PORCH GABLE | Again ensuring that the gable framework is rubbered-up follow the diagrams to assemble each gable in the building. Make sure that you have inserted the extra bolts utilised in sections 4 and 5. On the roof and side corner bars not every rubber channel will require rubber unless it is to be utilised in a partition (see separate manual and section P). |
| | END GABLES | |
| | PORCH SIDES | The porch sides (the L-shaped area to the left and right of the porch gable between cills and gutters level) can either be built in situ piece by piece or built away from the structure as an L-shape and then attached in a similar manner to plain gable/s to rear. Please ensure that where relevant you slide 2 x 22mm bolts into the side bars for the attachment of the eaves spandrels. |
| | MAIN FRAME ASSEMBLY | Take the rear (1) and the end gables (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. Once the porch sides (4) have been attached to the main building then the porch gable (2) can be inserted between them in the same way you would attach a end gable to the rear. You will now have a T-shaped framework. It is important that you check that the internal diagonal measurements within the building are equal to ensure that the building is square, spending a little time on this now will speed up roof assembly and glazing. On buildings longer than 12' the end gable (1) should attach to the extension sides (see separate manual) first before the rear maintaining 620mm spacings, e.g. a 16' building = end (3), 4' handed extension sides, 8' rear (1), 4' handed extension sides, end (3). |
| | REAR ROOF | Attach the main ridge between the end gables and then the rubbered-up roof bars 'DV255' ensuring that they are fully butted up to the ridge and down onto the gutter. Attach your cresting before you glaze the building to give yourself more room to work. Utilise the 22mm bolts slid into the rear (section 1) and roof bars to attach your DV100 and DV101 spandrels. On longer models you may need to carefully prop up the roof and tie the sides together to keep the ridge and gutters straight (i.e. not sagging or bowed) until the building is fully glazed. |
| | PORCH ROOF | The porch ridge can be fitted to the porch gable supporting its free end with ladders or a wooden sprag. The porch hips 'DV379' can now be attached between the welded porch gutter sections and the free end of the porch ridge. A 'lower' height porch utilises a DV380 bracket to allow the porch ridge to connect to the main module. Identify all of the handed roof bars and look for their locations. Insert the rubber into their channels and when attaching ensure again that where relevant you slide in 22mm bolts for eave (x2) and roof spandrels (x2). Eave and Roof spandrels can now be attached using the previously inserted 22mm bolts. The ladders / sprag supporting the porch ridge free end can now be removed. |
| | | Prior to glazing the cresting and finials should be siliconed into place. Attaching them once the glass has been installed by leaning through vent apertures is more time consuming. |
| | 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. |
| | 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 (10). |
| | LOUVRE | They attach to the building during the glazing process (9) like a piece of glass with a black separator above and below them. If you are fitting an optional auto-louvre then you need to carefully drill (3mm bit) out the rivets which mount the handle to the frame. You can then either utilise those holes or create more to mount the unit. |
| | GLAZING | Layout the bar cappings and covers around the building like a sundial checking that all is present and correct. You can also place the roof cappings in the gutters so they are closer to hand. 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. 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. The porch cowl 'DV341' should be attached before the vents are inserted so that access through vent apertures is available. Silicone the cowl area internally, position cowl and VERY carefully (avoiding glass below) mark, drill and screw x 2 'FS6018' into place. IMPORTANT: Silicone the cowl externally and check with watering can than the cowl is water tight, note silicone can be moulded shortly after application if you wet your fingers. |
| | | 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. |
| | 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). Attach the Bayliss XL autovents. |
| | DOOR ATTACHMENT | Your door comes pre-constructed and locked minus the handles and their pivot pin but now it needs to be mounted to the front end of your building. Utilise the 'DV522' plates and twist in crop headed bolts to join the door and its frame to the building (pinch the door frame against your long front verticals whilst tightening your 'DV522' plates to ensure that there is no gap). If you are struggling to eradicate the gap between the door frame and verticals then some silicone can be carefully applied to the area to create a vertical seal. Be careful not to lock yourself in the building and to avoid damage do not open the door until it is attached to the front gable. Getting the door to swing perfectly without dropping or rubbing on the ground may require some small but vital adjustments. You may also need to insert a packer underneath the door frame hinge to increase ground clearance. Part 'DV275' canopies the door frame top hiding the clearance space at the top of the door. The door can only be made to swing inwards. |
| | | IMPORTANT: Please do NOT let the door slam open or closed as it is likely to cause damage to the door and the frame. Please twist the handle to open and close. Please also be aware that your door KEYS (3 provided) are unique to the building so they should not be stored together. |
| | 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. |
| | FINISHING TOUCHES | Now that the main body of the structure is complete you can add; downpipe fittings, eave bungs, gutter stop ends. It is also important to carefully apply some silicone to the internal eaves corners and external and internal ridge corners to minimise the chance of water entering the structure. |
| | OPTIONAL REAR SHELVEING | Robinsons integral cantilever staging and shelving attaches to the inside of the greenhouse frame using either square head bolts (insert four into each side glazing bar 'D066' during construction of the rear (1)) or rectangular 'crop head' bolts which can be fitted retrospectively (both sets of bolts accompany the shelving/staging). This system allows the height of either the staging or the shelf to be set at an operator specific height. Commonly the staging brackets are set 900mm from the cills though you can alter this to suit the end user/s. The aluminium shelf / staging slats come in two lengths; (4'):1240mm 'D2002' and (6'):1860mm 'D2003'. These slats can combine to create any length of staging required, i.e. 4'+6' = 10' etc... |
| | OPTIONAL REAR STAGING | |

| Section Ref | Part No. | Section | Size (mm) | 15 12 |
|-------------|----------|---------|-----------|----------|
|-------------|----------|---------|-----------|----------|

| | | | | |
|----------|--------|--|-----------|----|
| 1 | D023 | | 3754 | 1 |
| | DV212 | | 3757 | 1 |
| | D103 | | 1787 | 2 |
| | D066 | | 1676 | 5 |
| | RUBBER | | 1000 (1m) | 17 |
| | D174 | | N/A | 3 |

| | | | | |
|----------|--------|--|-----------|----|
| 2 | DV225L | | 855 | 1 |
| | DV225R | | 855 | 1 |
| | D048 | | 1676 | 2 |
| | DV235L | | 2021 | 1 |
| | DV235R | | 2021 | 1 |
| | DV237L | | 2489 | 1 |
| | DV237R | | 2489 | 1 |
| | DV270L | | 782 | 1 |
| | DV270R | | 782 | 1 |
| | DV292 | | 1794 | 2 |
| | DV251L | | 1790 | 1 |
| | DV251R | | 1790 | 1 |
| | DV263 | | 930 | 1 |
| | DV275 | | 904 | 1 |
| | D163 | | 90 | 2 |
| | DV104 | | N/A | 2 |
| | DV105 | | N/A | 1 |
| | RUBBER | | 1000 (1m) | 31 |
| | D174 | | N/A | 4 |



MAIN FRAME
QUANTITIES

VENTS / DOORS etc
SEPERATE





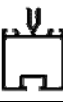







| Part No. | 15 12 |
|------------------|----------|
| SYBOL M6X11 | |
| 10mm | 157 |
| SYBOL M6X11 CROP | |
| 10mm | 20 |
| SYBOL M6X15 | |
| 15mm | 46 |
| SYBOL M6X22 | |
| 22mm | 60 |
| SYBOL M6X22 CROP | |
| 22mm | 8 |
| SYNUTM6 | |
| M6 NUT | 291 |
| FS6018 | |
| 19mm | 2 |




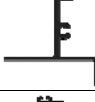




| Section Ref | Part No. | Section | Size (mm) | 15 12 |
|-------------|----------|---------|-----------|----------|
|-------------|----------|---------|-----------|----------|

| | | | | |
|----------|--------|--|-----------|----|
| 3 | DV232 | | 3548 | 2 |
| | D048 | | 1676 | 4 |
| | DV235L | | 2021 | 2 |
| | DV235R | | 2021 | 2 |
| | DV237L | | 2489 | 2 |
| | DV237R | | 2489 | 2 |
| | DV239L | | 2960 | 2 |
| | DV239R | | 2960 | 2 |
| | DV262 | | 3395 | 2 |
| | DV268 | | 964 | 2 |
| | DV274 | | 3402 | 2 |
| | DV292 | | 1794 | 4 |
| | DV252L | | 2451 | 2 |
| | DV252R | | 2451 | 2 |
| | DV104 | | N/A | 4 |
| | DV105 | | N/A | 2 |
| | RUBBER | | 1000 (1m) | 98 |
| | D174 | | N/A | 14 |




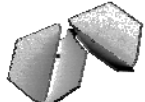
| | | | | |
|----------|--------|--|------------|----|
| 4 | DV358 | | 608 | 1 |
| | DV359 | | 1228 | 1 |
| | DV373 | | 608 | 1 |
| | DV374 | | 1228 | 1 |
| | DV362 | | 1676 | 2 |
| | DV391 | | 632 x 1252 | 1 |
| | DV392 | | 632 x 1252 | 1 |
| | D066 | | 1676 | 2 |
| | RUBBER | | 1000 (1m) | 14 |
| | D174 | | N/A | 4 |

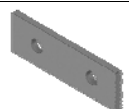
| Section Ref | Part No. | Section | Size (mm) | 15 12 |
|-------------|----------|---------|-----------|-------|
|-------------|----------|---------|-----------|-------|

| | | | | |
|---|----------|---|-----------|-----|
| 6 | D982 |  | 100 | 2 |
| | DV100 |  | N/A | 7 |
| | DV101 |  | N/A | 10 |
| | DV203 |  | 3757 | 1 |
| | DV351 | | 2470 | 1 |
| | DV254 |  | 1790 | 2 |
| | DV255 |  | 2450 | 5 |
| | DV365 |  | 899 | 1 |
| | DV375L/R |  | 830 | 1+1 |
| | DV376L/R | | 1708 | 1+1 |
| | DV377L/R | | 1492 | 1+1 |
| | DV378L/R | | 2368 | 1+1 |
| | DV380 |  | N/A | 1 |
| | DV379 |  | 2212 | 2 |
| | DV383 |  | 661 | 1 |
| | RUBBER |  | 1000 (1m) | 60 |

| | | | | |
|---|------------------------|---|-----|----|
| 7 | D866 |  | 639 | 5 |
| | D863L |  | 613 | 5 |
| | D863R |  | 613 | 5 |
| | D862 |  | 593 | 5 |
| | D079 PLUS FLUFF |  | 590 | 5 |
| | D114 |  | N/A | 10 |
| | D220 PLUS FS6060 SCREW |  | N/A | 10 |
| | D205 |  | N/A | 10 |

| Section Ref | Part No. | Section | Size (mm) | 15 12 |
|-------------|----------|---------|-----------|-------|
|-------------|----------|---------|-----------|-------|

| | | | | | |
|---|--------|----------|---|------|-------|
| 9 | 1/4 | D812 |  | 1660 | 11 |
| | 6 | D870 | | 601 | 9 |
| | 10 | DV479 | | 1384 | 1 |
| | 2/3 | DV635L/R | | 2021 | 3 + 3 |
| | 2/3 | DV637L/R | | 2489 | 3 + 3 |
| | 2/3 | DV639L/R | | 2960 | 2 + 2 |
| | 6 | DV654 | | 1821 | 2 |
| | 6 | DV655 | | 1880 | 5 |
| | 3 | DV662 | | 3395 | 2 |
| | 2 / 10 | DV663 | | 905 | 1 |
| | 6 | DV675L/R | | 863 | 1 + 1 |
| | 6 | DV676L/R | | 1741 | 1 + 1 |
| | 6 | DV677L/R | | 924 | 1 + 1 |
| | 6 | DV678L/R | | 1799 | 1 + 1 |
| | 6 | DV683 | | 680 | 1 |
| | 2/3 | D813 |  | 1675 | 6 |
| | 1/4 | D834 | | 1660 | 6 |
| | 6 | D871 | | 601 | 4 |
| | 6 | DV651 | | 1790 | 2 |
| | 6 | DV652 | | 1871 | 4 |
| | 1/4 | D825 |  | 1660 | 17 |
| | 2/3 | D826 | | 1677 | 6 |
| | 10 | DV480 | | 1384 | 1 |
| | 2/3 | DV636L/R | | 2021 | 3 + 3 |
| | 2/3 | DV638L/R | | 2489 | 3 + 3 |
| | 2/3 | DV640L/R | | 2960 | 2 + 2 |
| | 6 | DV657 | | 1821 | 4 |
| | 6 | DV658 | | 2481 | 9 |
| | 3 | DV668 | | 3395 | 2 |
| | 2 | DV669 | | 905 | 1 |
| | 6 | DV679L/R | | 863 | 1+1 |
| | 6 | DV680L/R | | 1741 | 1+1 |
| | 6 | DV681L/R | | 1525 | 1+1 |
| | 6 | DV682L/R | | 2400 | 1+1 |
| | 6 | DV684 | | 680 | 1 |
| | 6 | DV341 |  | N/A | 1 |

| | | | | |
|----|------|---|-----|----|
| 11 | D522 |  | N/A | 10 |
|----|------|---|-----|----|

| | | | | |
|----|-------|---|------|---|
| 13 | D119 |  | 1 | |
| | DV120 |  | N/A | 6 |
| | D841 |  | N/A | 6 |
| | D211 |  PIPE | 1625 | 6 |
| | D207 |  | N/A | 6 |
| | D201 |  | N/A | 6 |
| | D208 |  | N/A | 3 |
| | DV219 |  | N/A | 3 |
| | DV218 |  | N/A | 3 |

Victorian Reicliffe

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

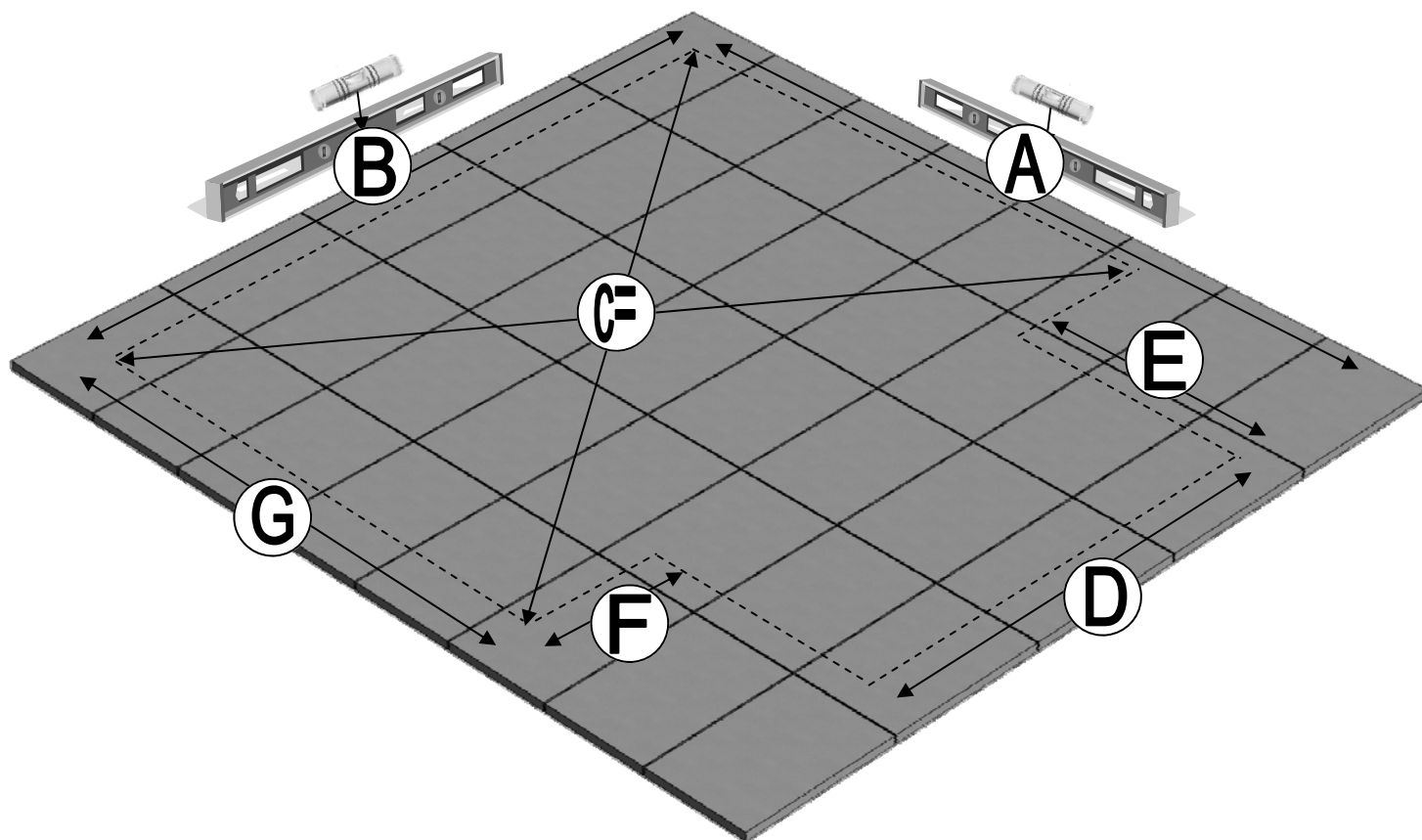
We cannot emphasize how important it is to have a proper base for your Robinsons Greenhouse to be erected upon.

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.



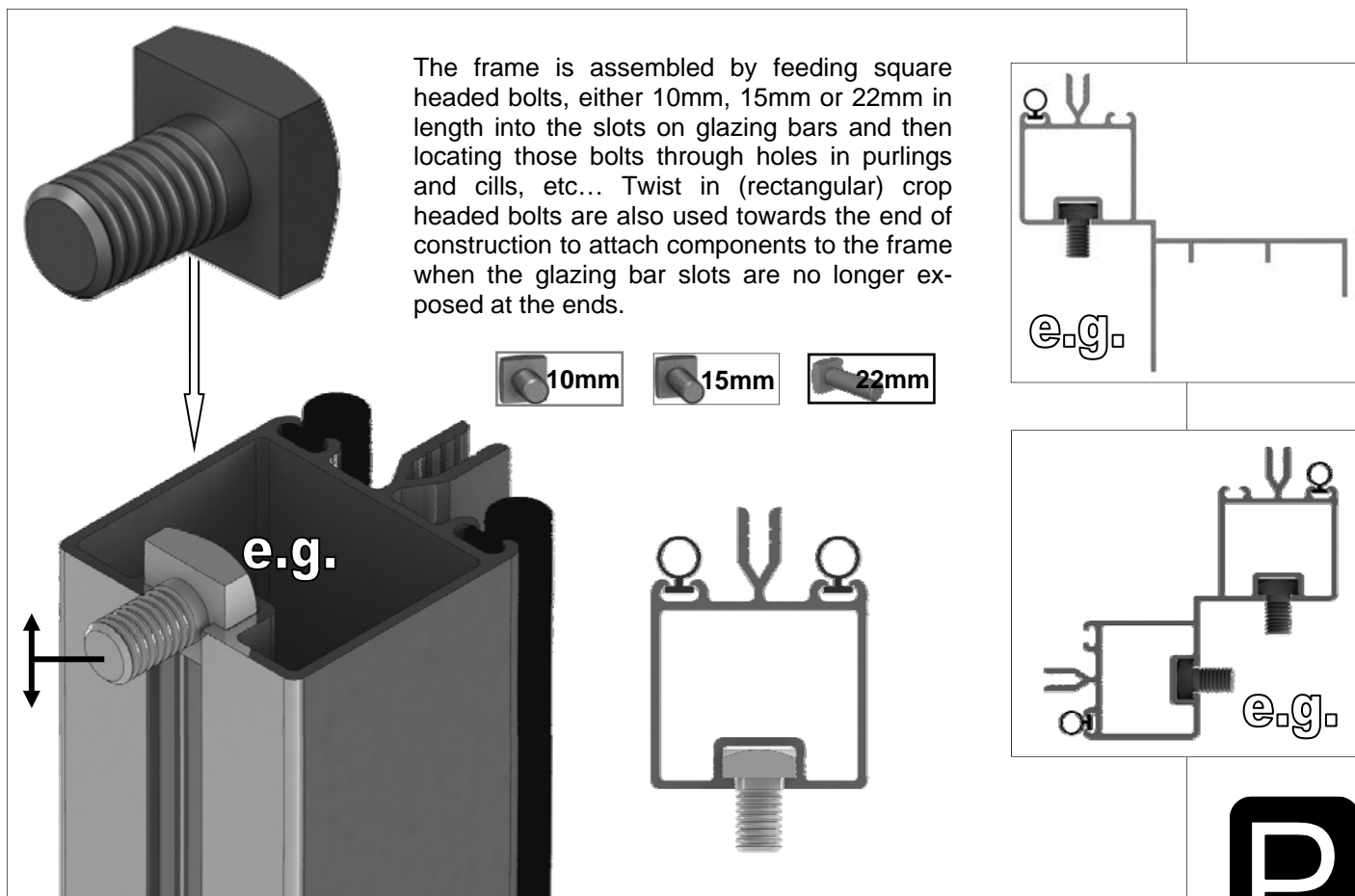
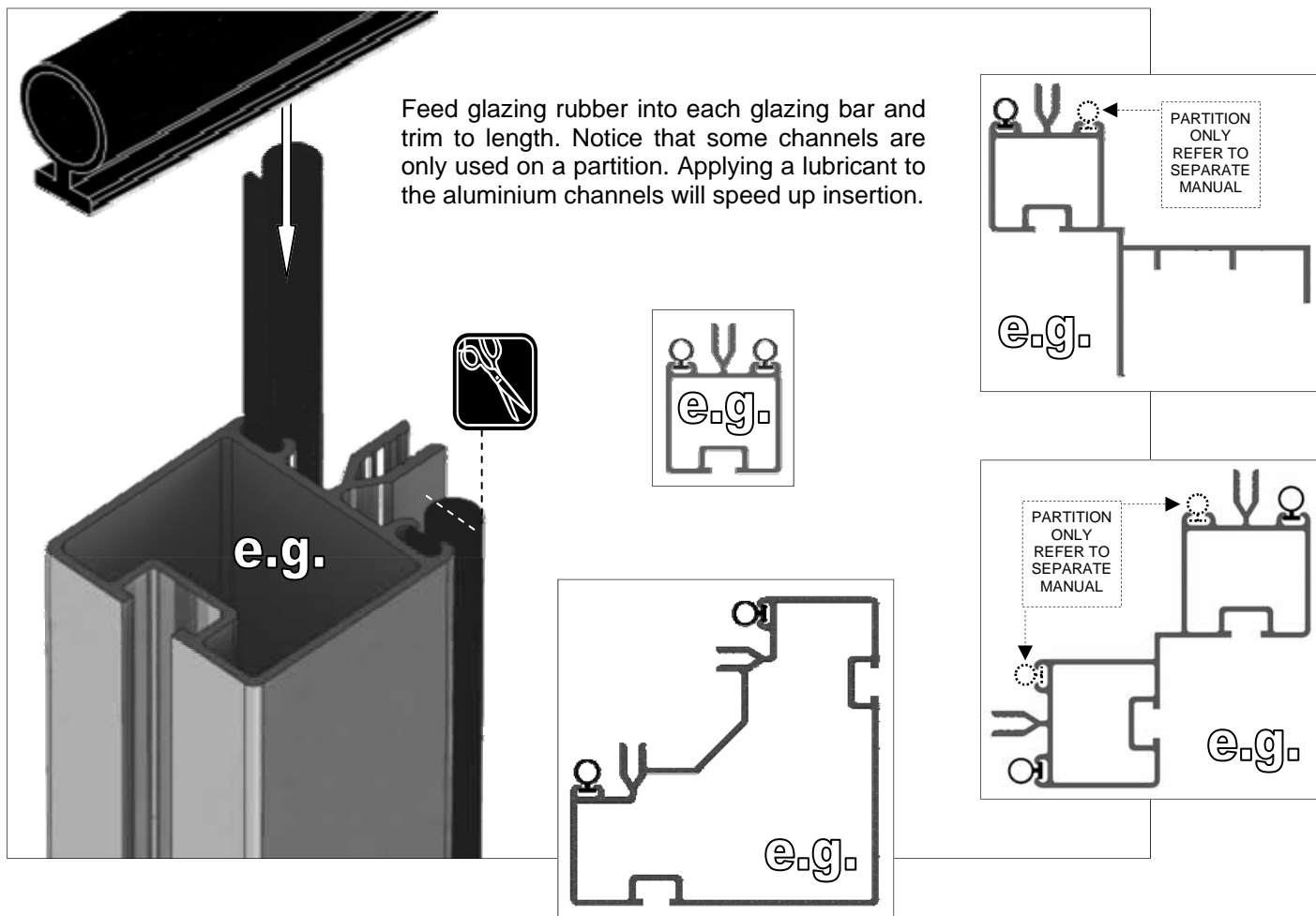
EXTERNAL DIMENSIONS (mm)

Model sizes listed are **nominal**, use 'mm' measurements.
i.e.: an 15 x 12 is the model 15'7" x 12'7"

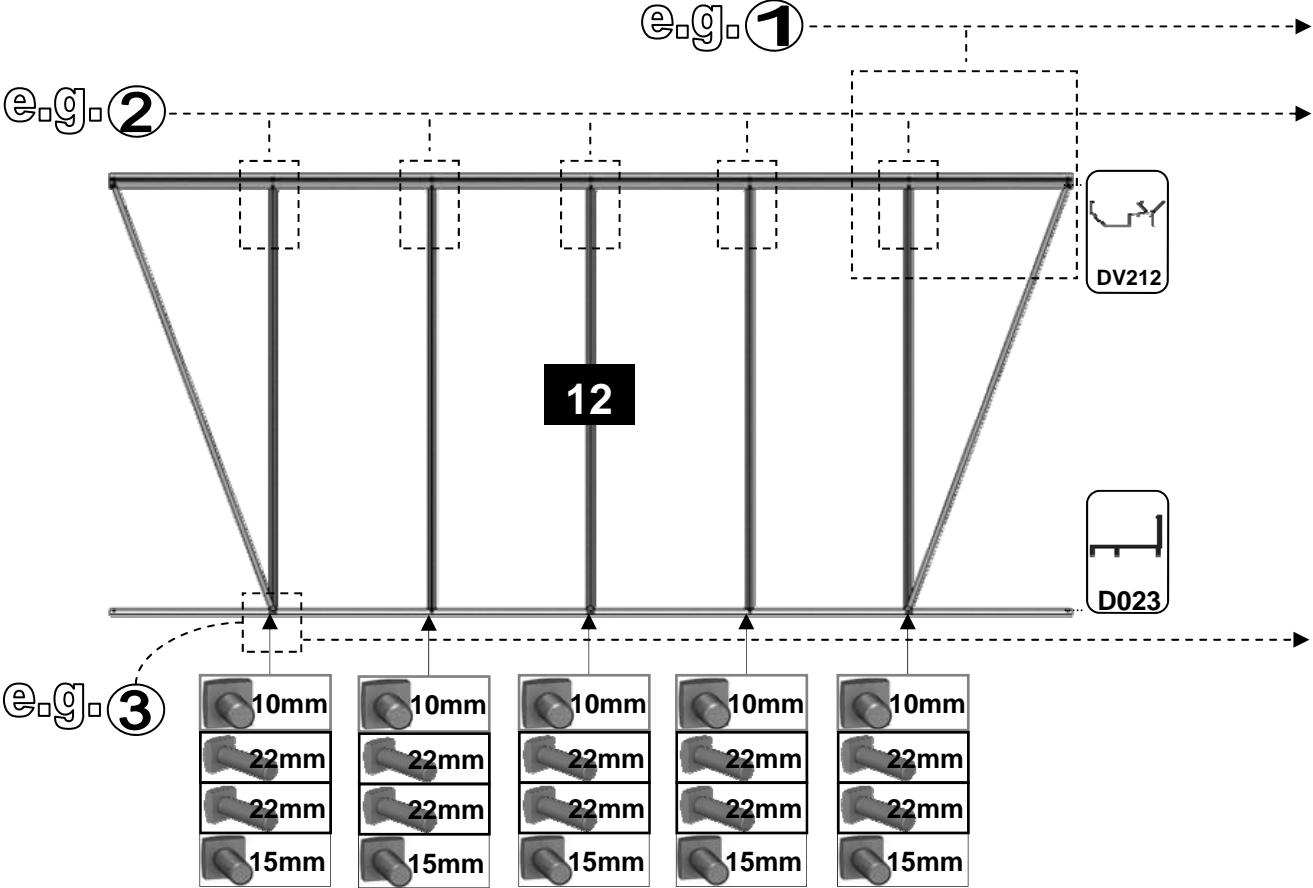
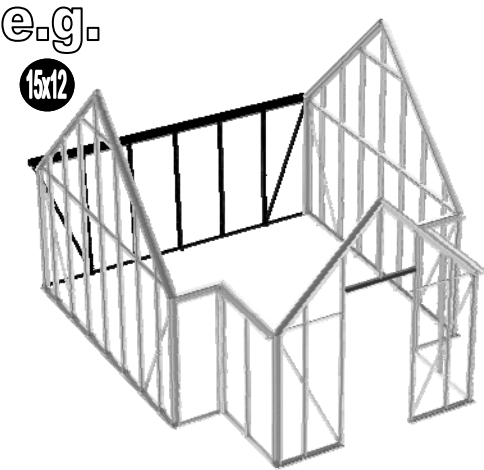
| MODEL | | A (mm) TOTAL WIDTH | B (mm) LENGTH | C (mm) DIAG | D (mm) PORCH | E (mm) PORCH DEPTH | F (mm) RETURN LENGTH | G (mm) WIDTH |
|------------------------------|---------|--------------------|---------------|-------------|--------------|--------------------|----------------------|--------------|
| 15 REICLIFFE VICTORIAN | 15 x 12 | 4791 | 3872 | 5244 | 2602 | 1255 | 635 | 3536 |
| | 15 x 20 | | 6352 | 7270 | | | 1875 | |
| | 15 x 28 | | 8832 | 9514 | | | 3115 | |
| | 15 x 36 | | 11312 | 11852 | | | 4355 | |

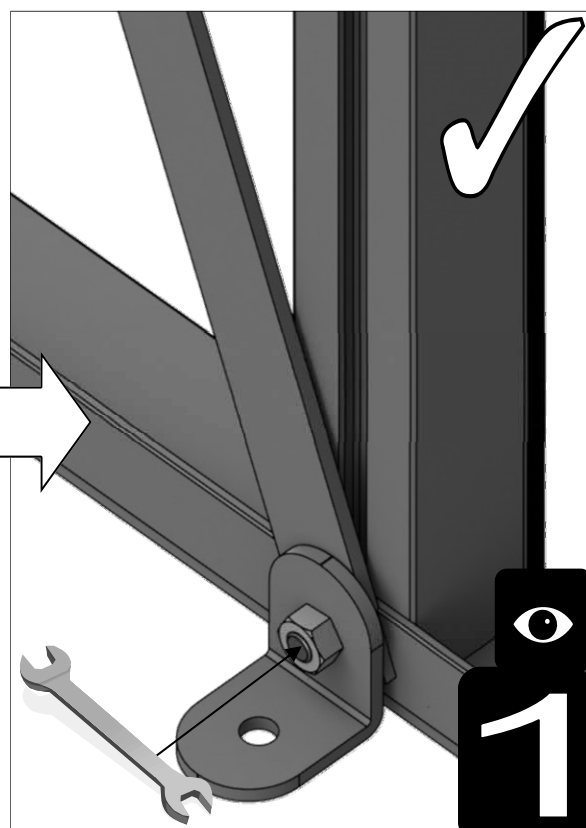
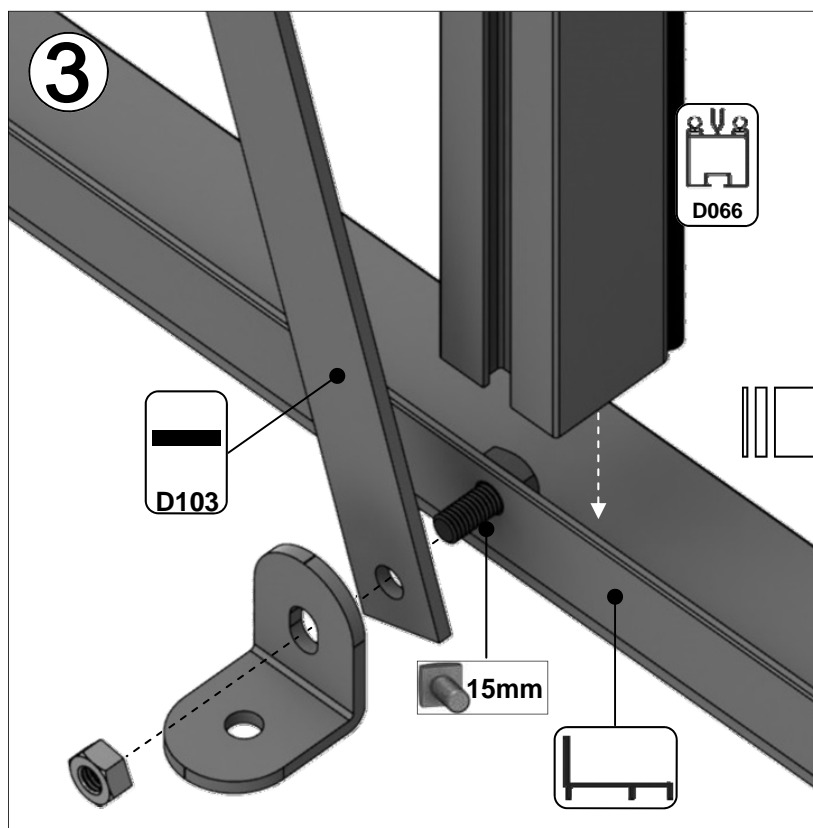
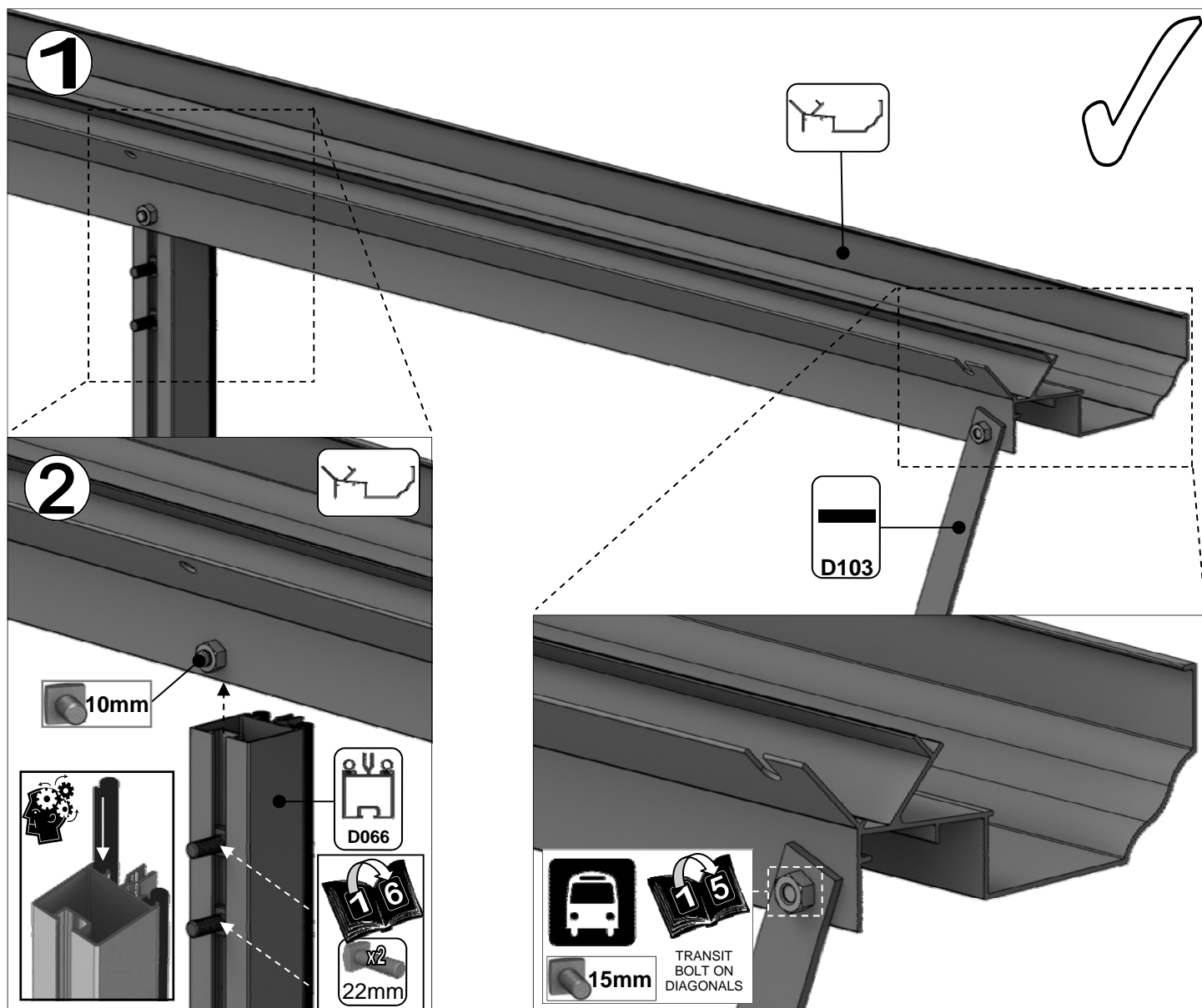


Victorian Reicliffe



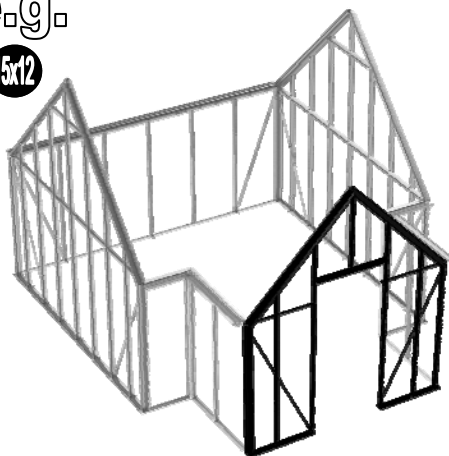
| REAR | | 15 x 12 |
|-------------|--|----------|
| Part No | mm | Quantity |
| DV212 | 3757 | 1 |
| D023 | 3754 | 1 |
| D066 | 1676 | 5 |
| D103 | 1787 | 2 |
| D174 |  | 3 |
| SYBOL M6X11 |  | 5 |
| SYBOL M6X15 |  | 7 |
| SYBOL M6X22 |  | 10 |
| SYNUT M6 |  | 12 |
| D227 Rubber | 1000  | 17 |





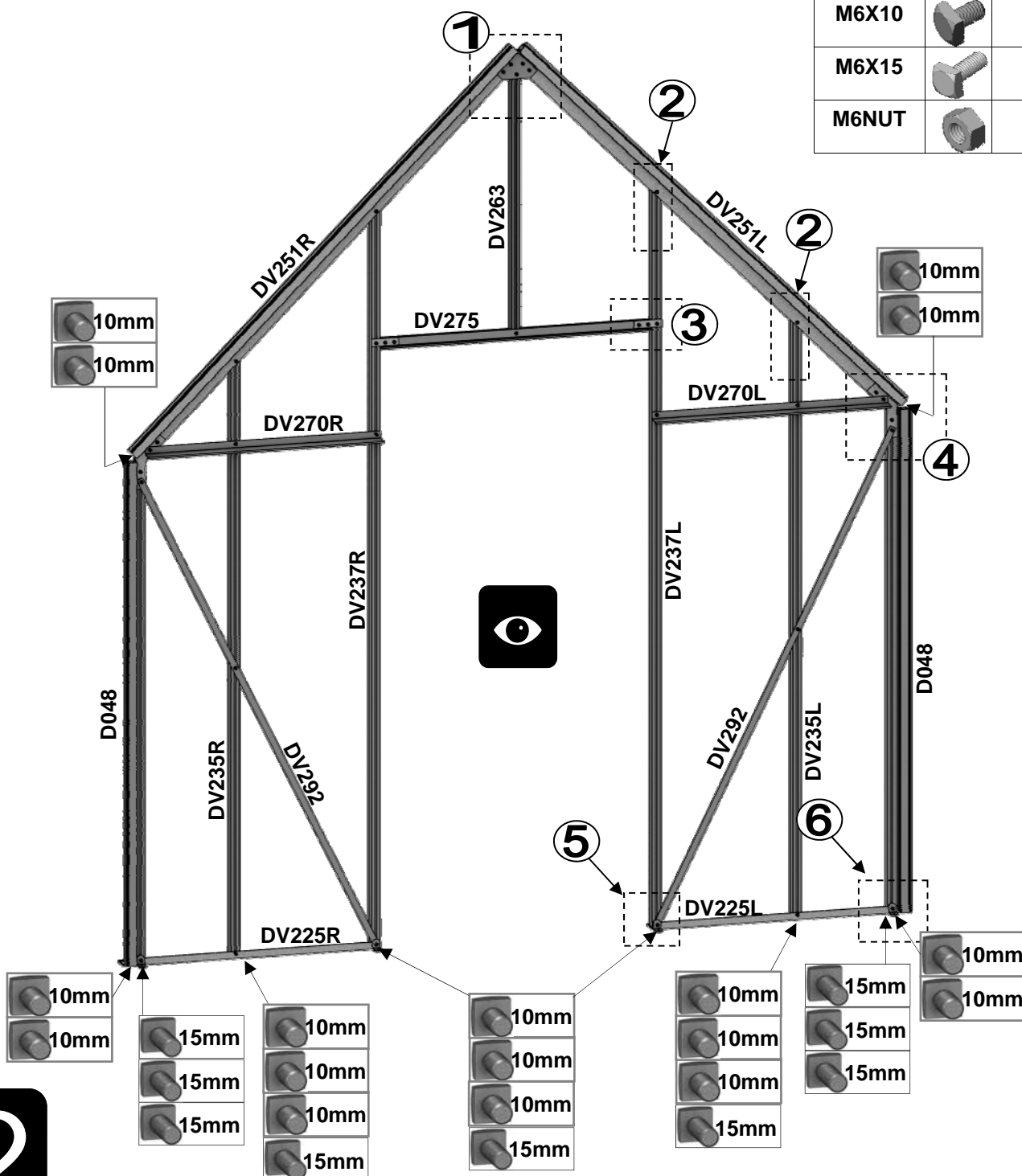
e.g.

15x12

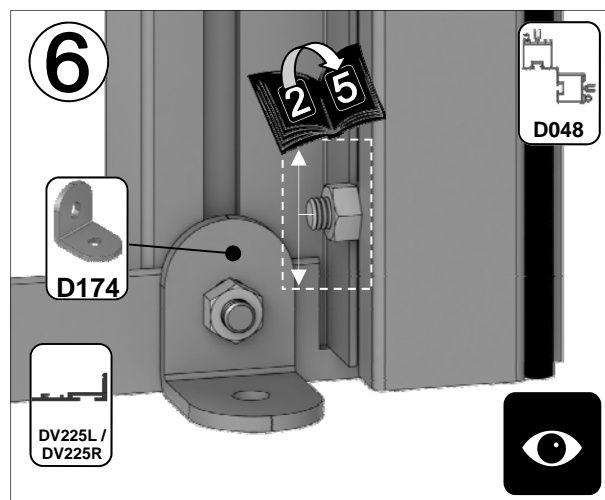
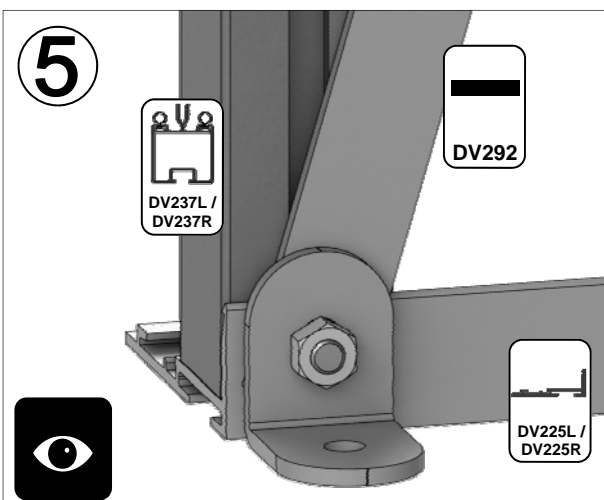
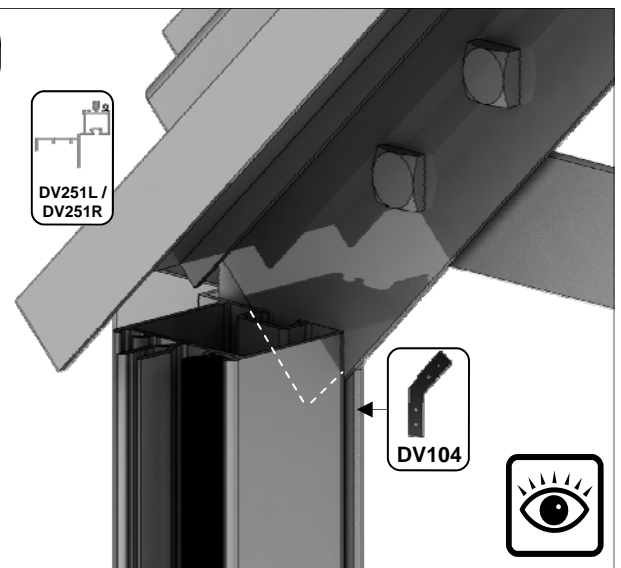
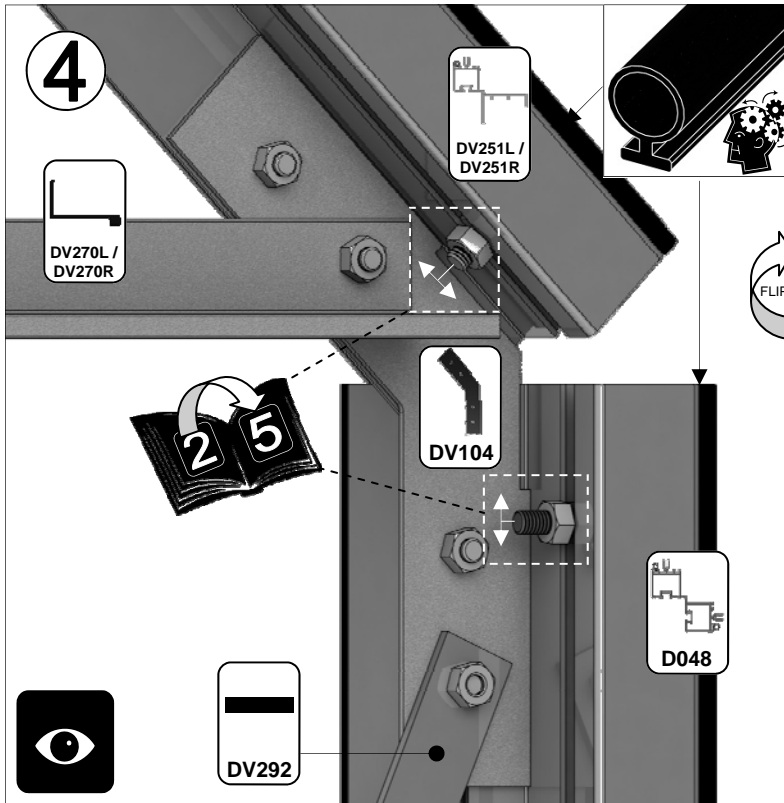
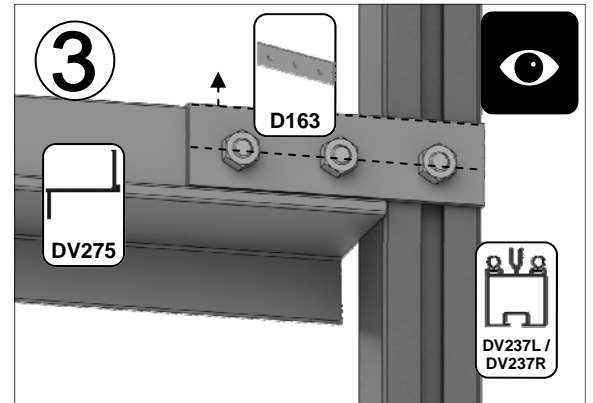
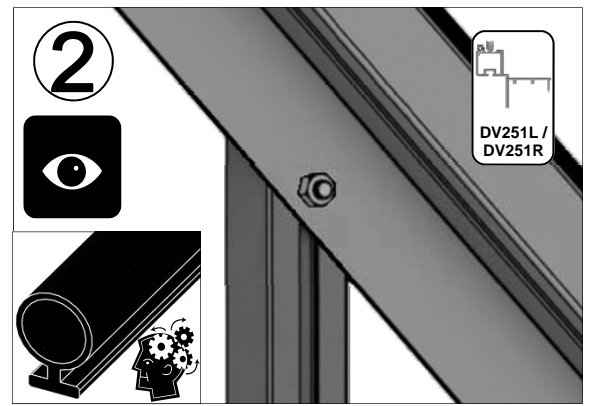
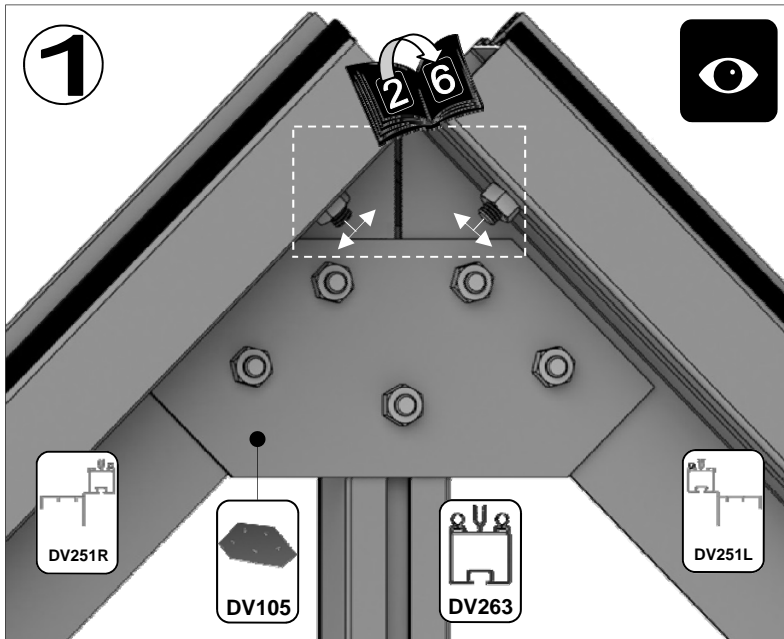


| PORCH GABLE | | |
|-------------|------|----------|
| Part No | mm | Quantity |
| D048 | 1676 | 2 |
| DV225L | 855 | 1 |
| DV225R | 855 | 1 |
| DV235L | 2021 | 1 |
| DV235R | 2021 | 1 |
| DV237L | 2489 | 1 |
| DV237R | 2489 | 1 |
| DV251L | 1790 | 1 |
| DV251R | 1790 | 1 |
| DV263 | 930 | 1 |

| Part No | mm | Quantity |
|---------|------|----------|
| DV270L | 782 | 1 |
| DV270R | 782 | 1 |
| DV275 | 904 | 1 |
| DV292 | 1794 | 2 |
| D163 | | 2 |
| DV104 | | 2 |
| DV105 | | 1 |
| D174 | | 4 |
| D227 | | 31m |
| M6X10 | | 34 |
| M6X15 | | 9 |
| M6NUT | | 43 |



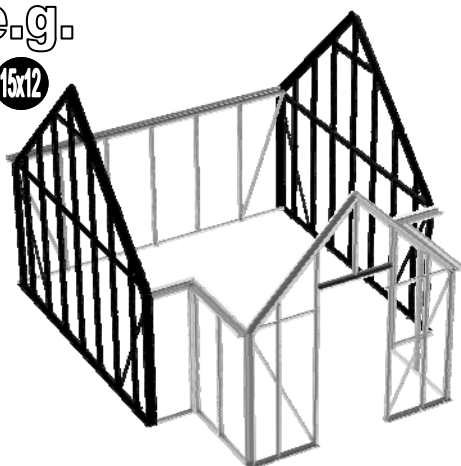
2



2

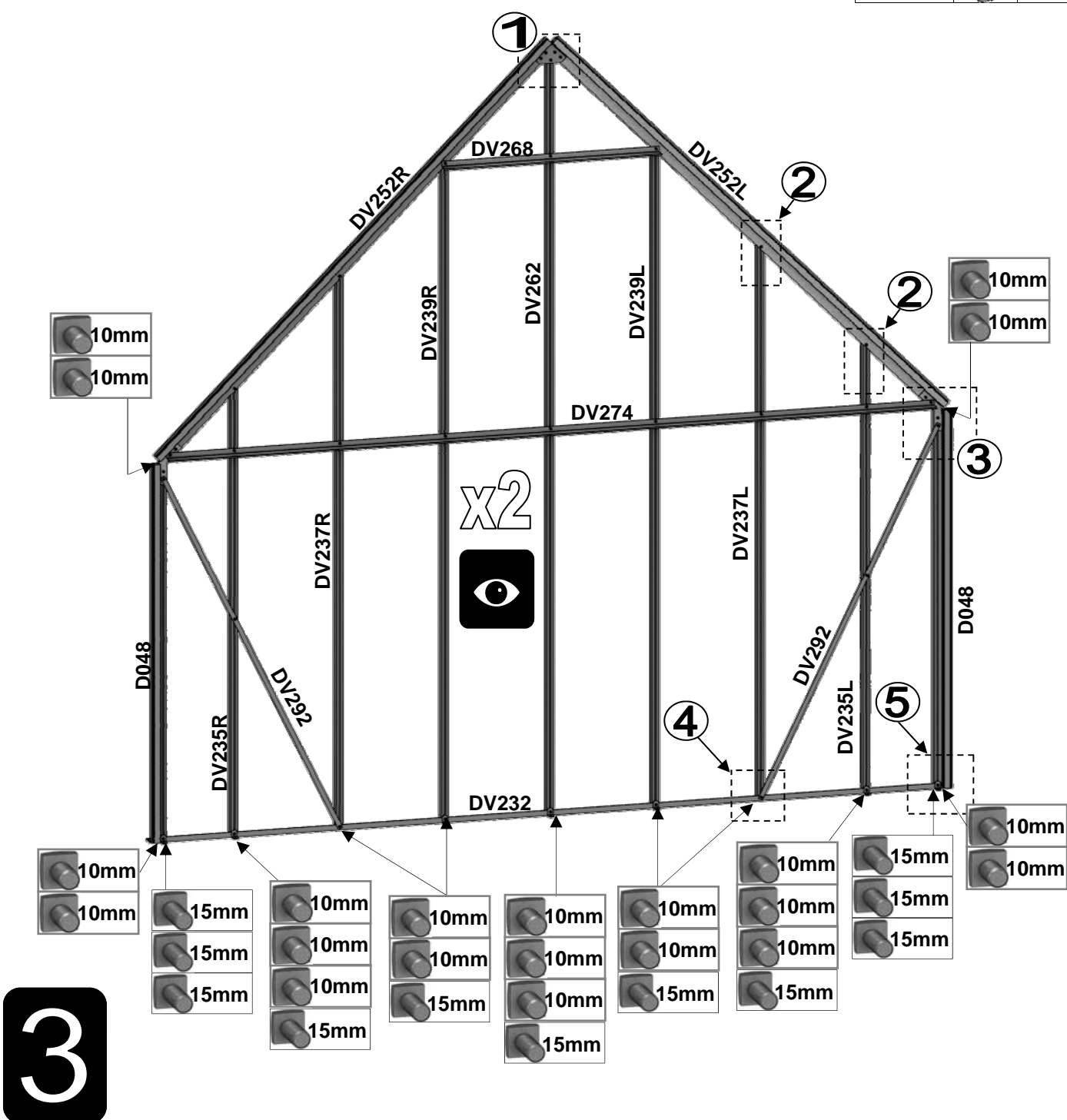
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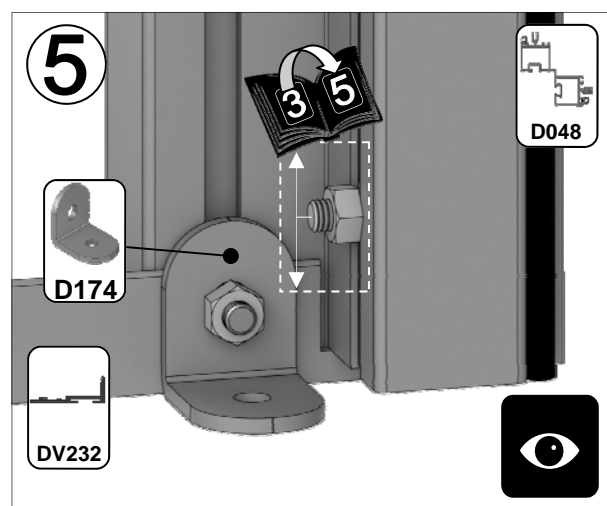
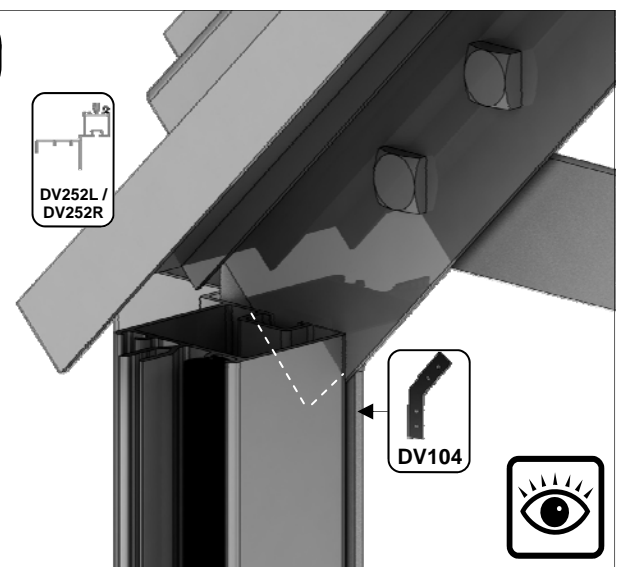
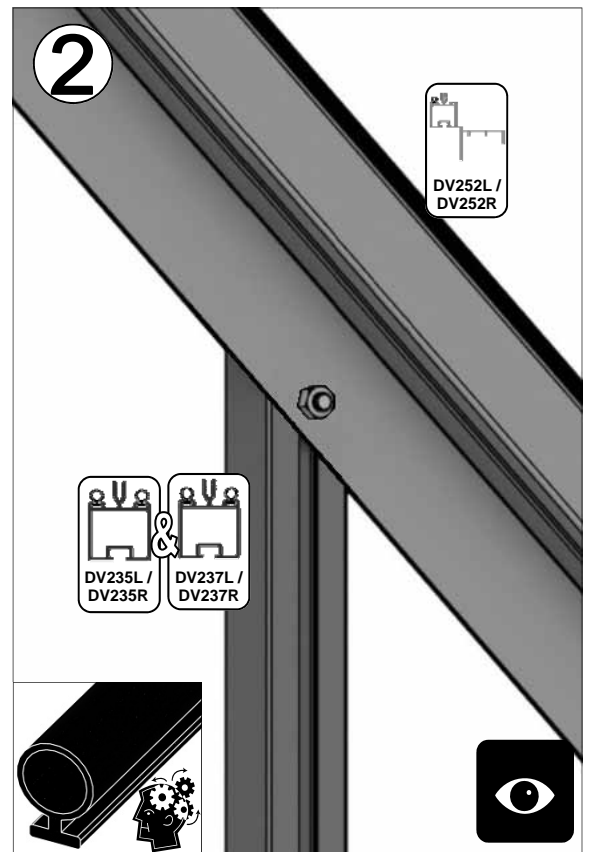
15x12



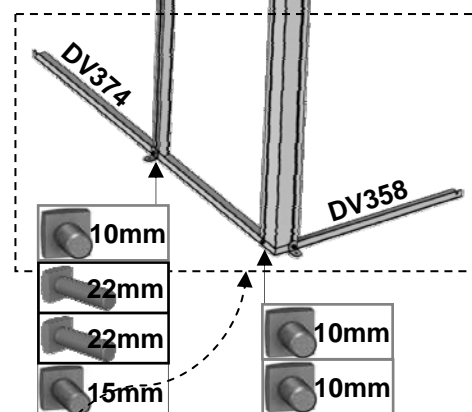
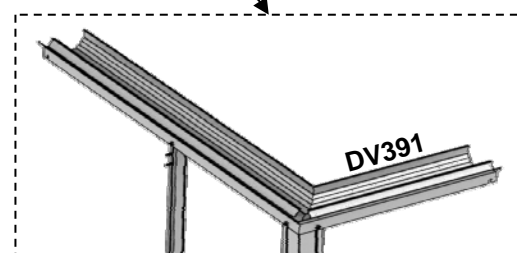
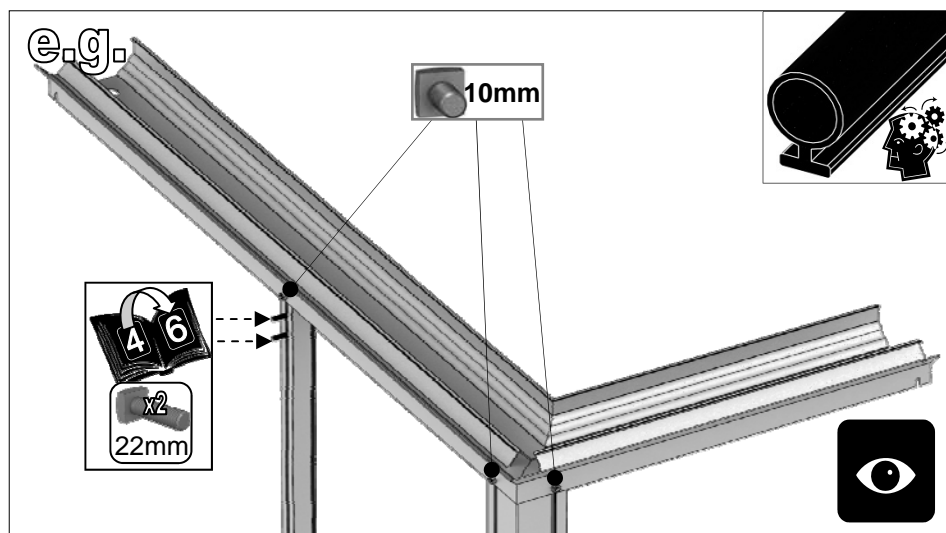
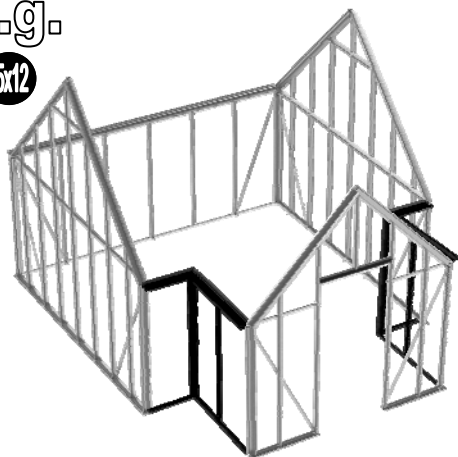
| END GABLE X 2 | | |
|---------------|------|----------|
| Part No | mm | Quantity |
| D048 | 1676 | 4 |
| DV232 | 3548 | 2 |
| DV235L | 2021 | 2 |
| DV235R | 2021 | 2 |
| DV237L | 2489 | 2 |
| DV237R | 2489 | 2 |
| DV239L | 2960 | 2 |
| DV239R | 2960 | 2 |
| DV252L | 2451 | 2 |
| DV252R | 2451 | 2 |
| DV262 | 3395 | 2 |

| Part No | mm | Quantity |
|---------|---|----------|
| DV268 | 964 | 2 |
| DV274 | 3402 | 2 |
| DV292 | 1794 | 4 |
| DV104 |  | 4 |
| DV105 |  | 2 |
| D174 |  | 14 |
| D227 |  | 98m |
| M6X10 |  | 66 |
| M6X15 |  | 26 |
| M6NUT |  | 92 |

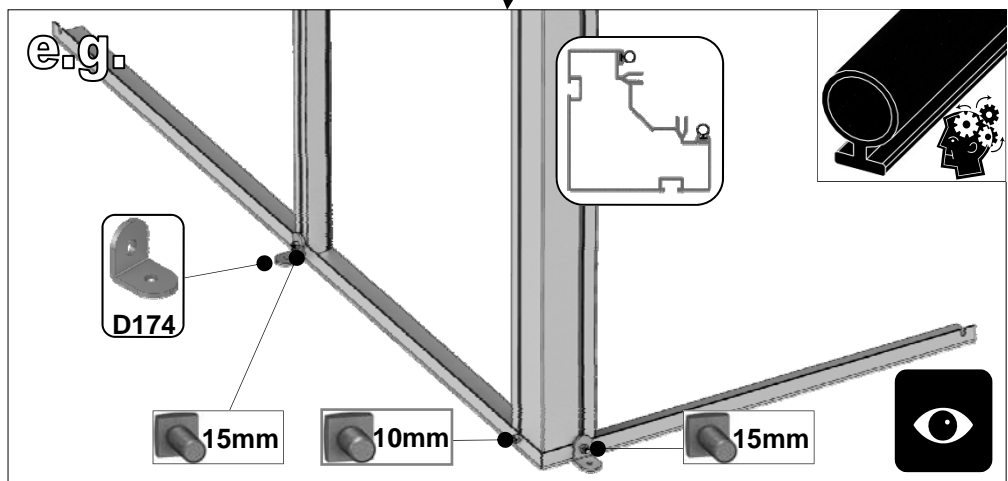
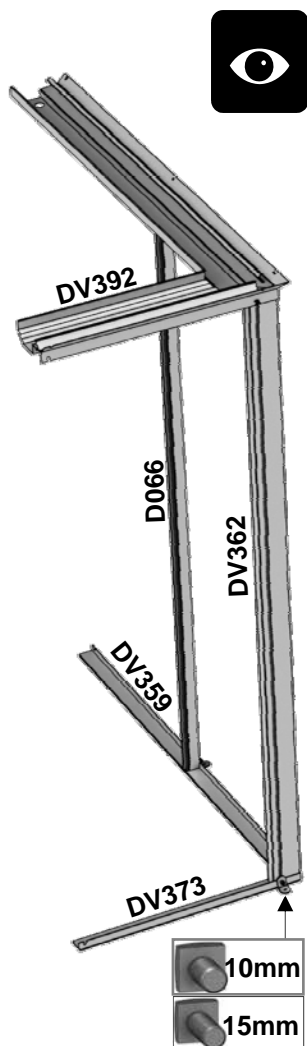




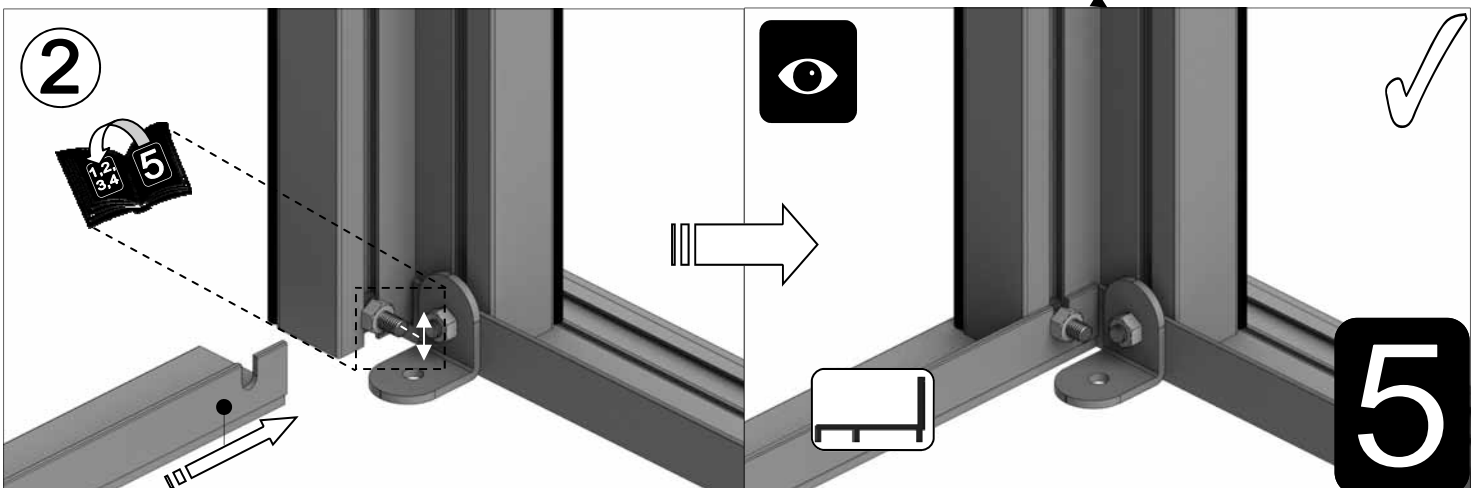
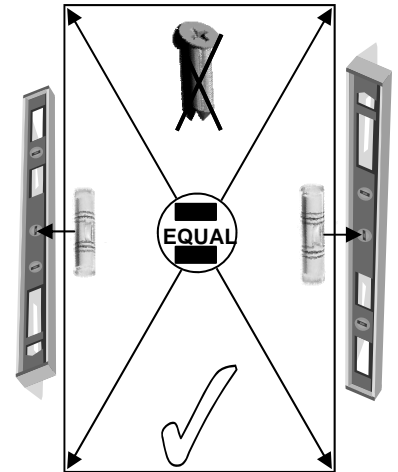
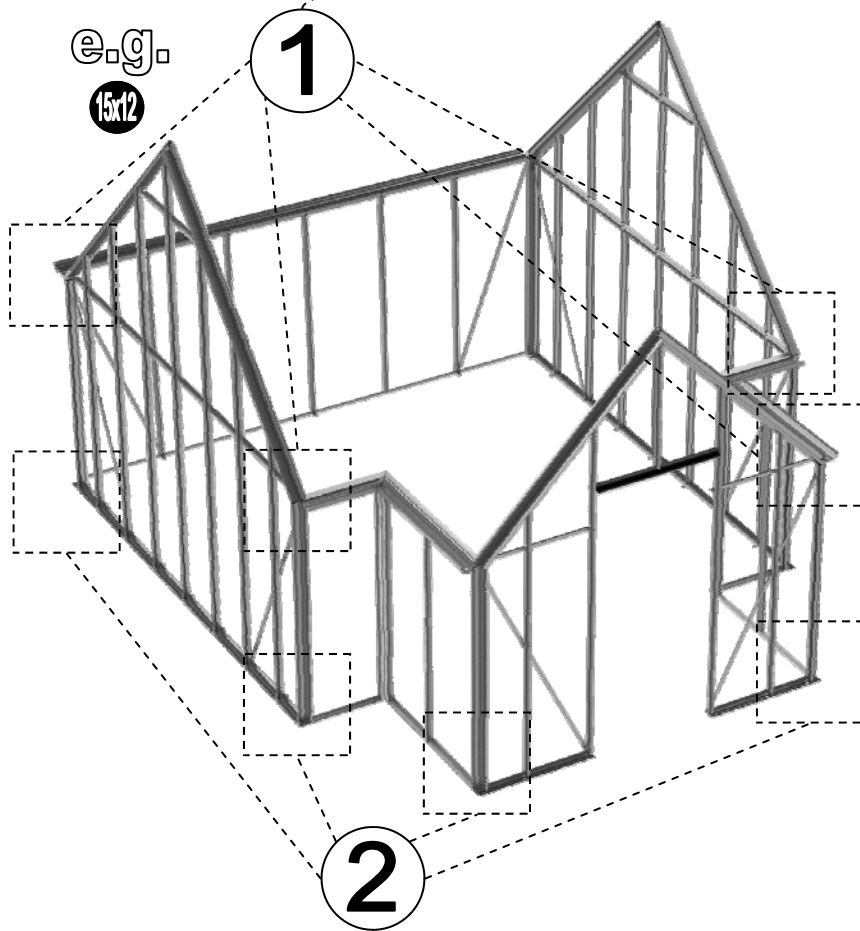
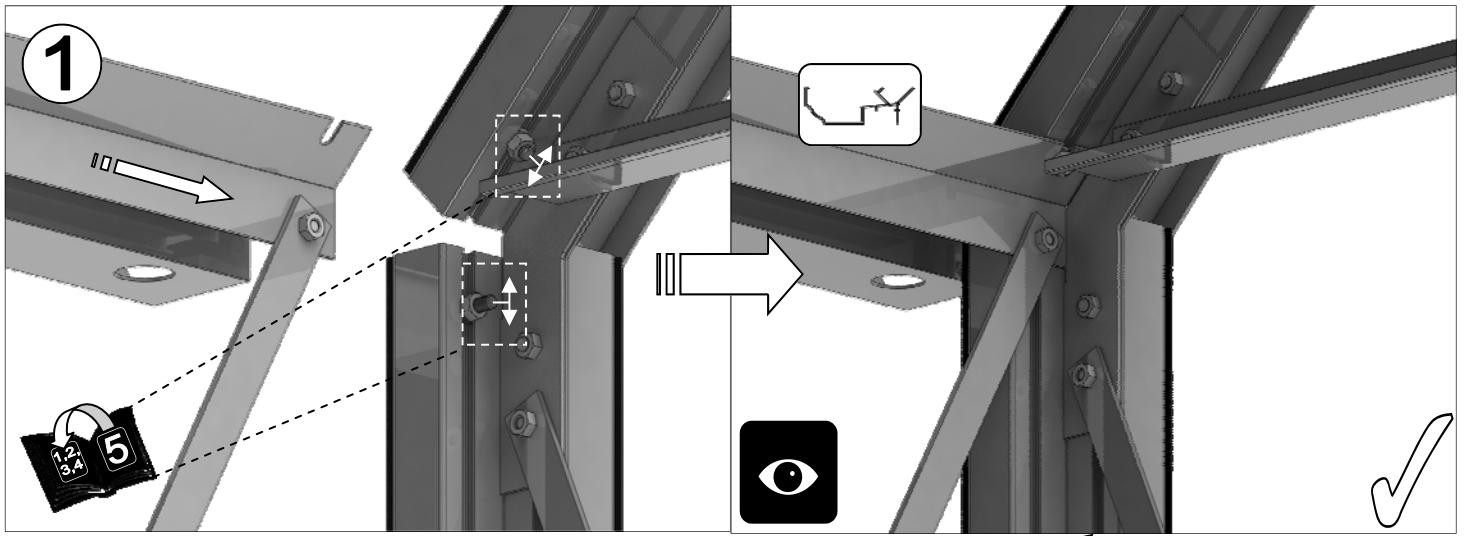
e.g.
15x12




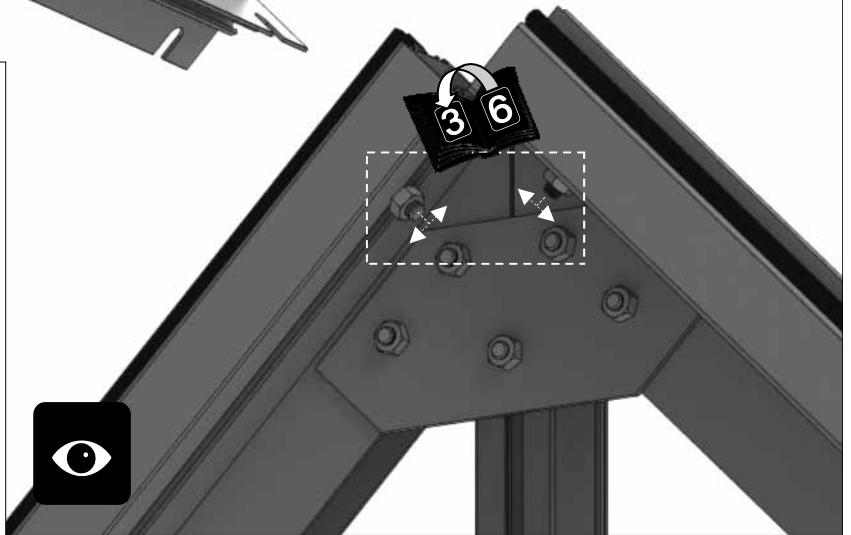
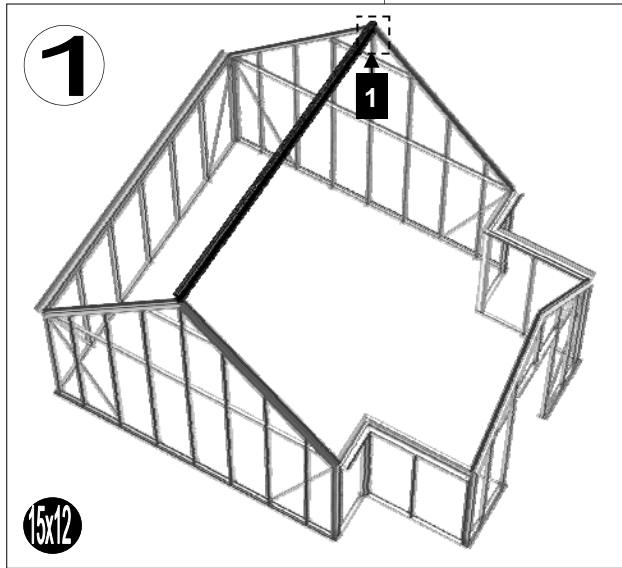
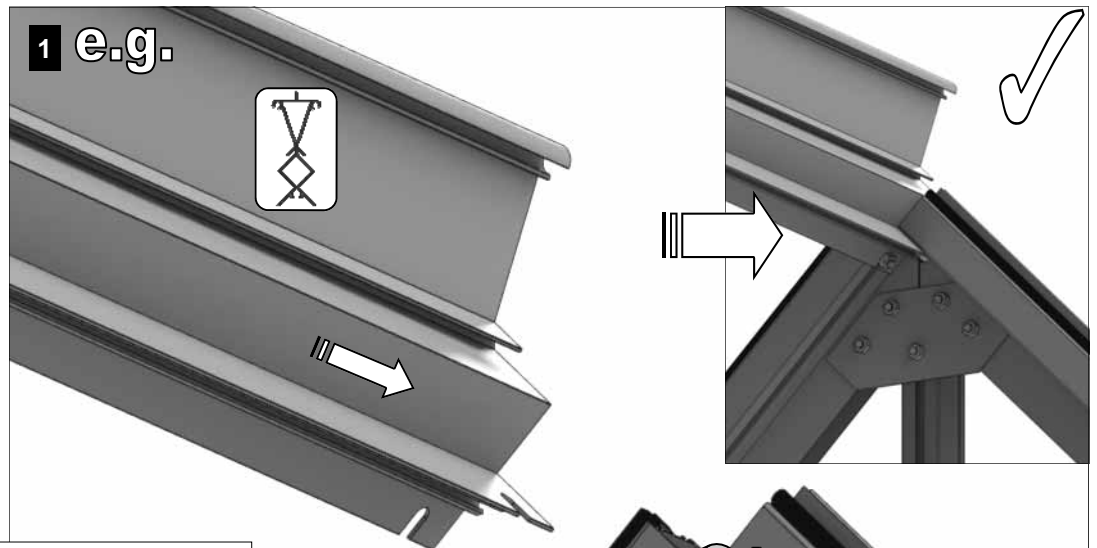
| PORCH SIDES | | 15x12 |
|-------------|-----------|----------|
| Part No | mm | Quantity |
| D066 | 1676 | 2 |
| DV358 | 608 | 1 |
| DV359 | 1228 | 1 |
| DV373 | 608 | 1 |
| DV374 | 1228 | 1 |
| DV362 | 1676 | 2 |
| DV391 | 632 | 1 |
| DV392 | x 1252 | 1 |
| D174 | | 4 |
| D227 Rubber | 1000 | 14 |
| SYBOL M6X11 | | 8 |
| SYBOL M6X15 | | 4 |
| SYBOL M6X22 | | 4 |
| SYNUT M6 | | 16 |



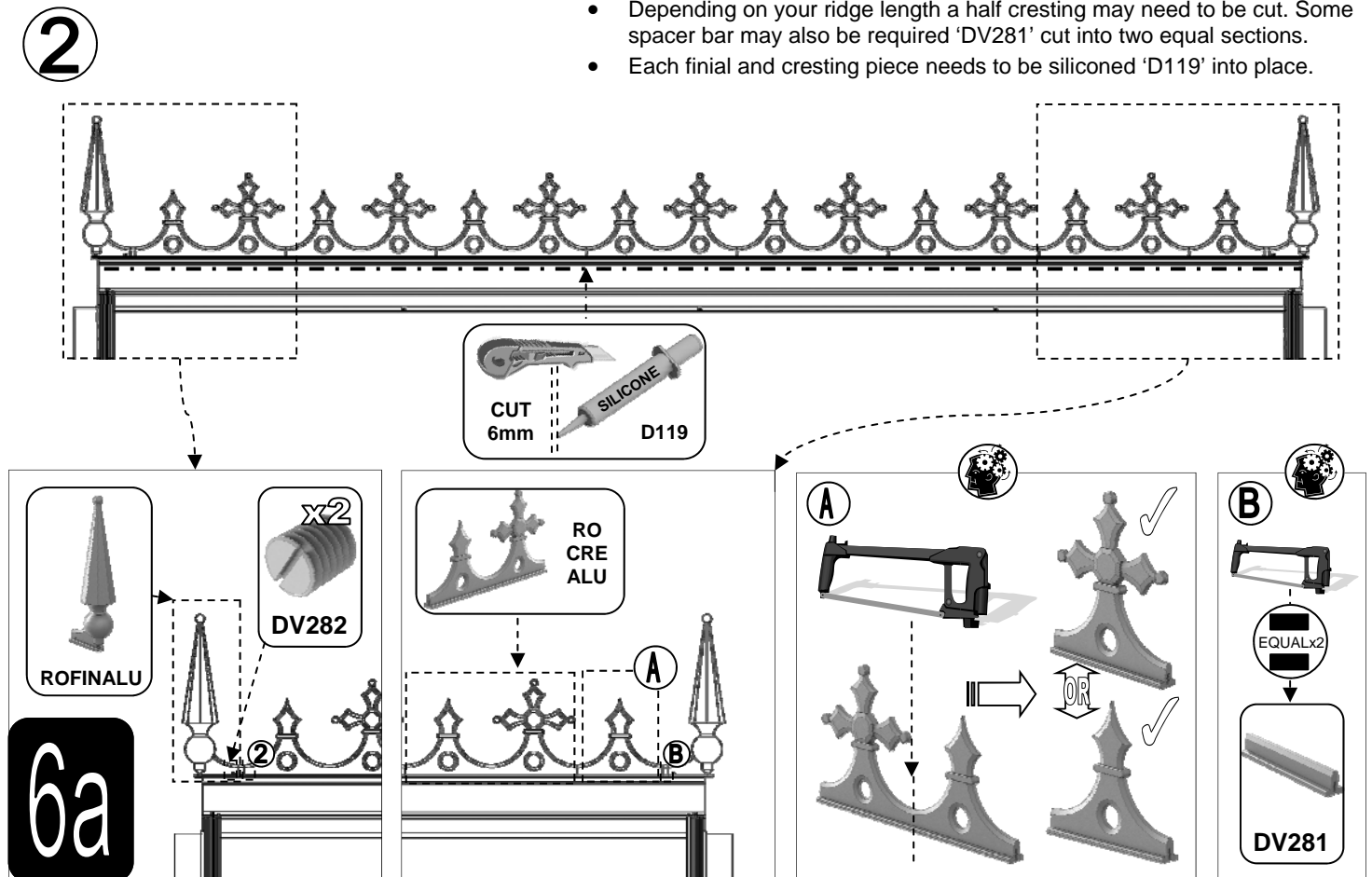
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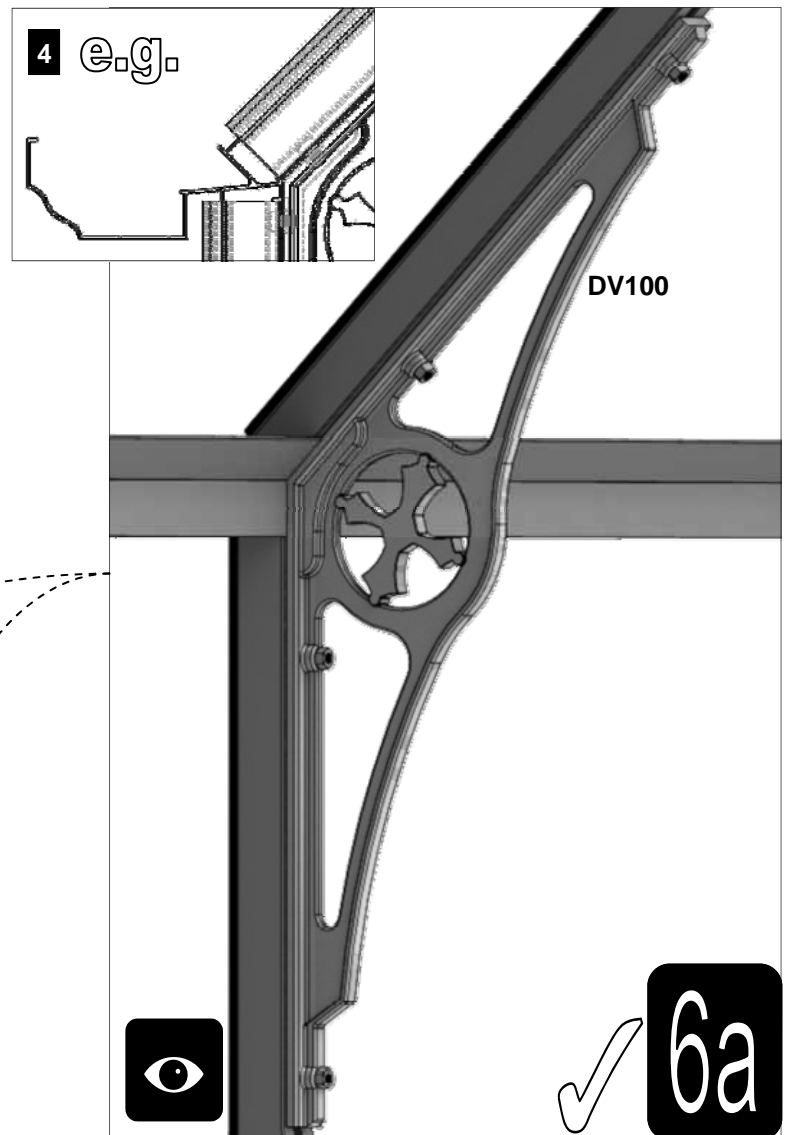
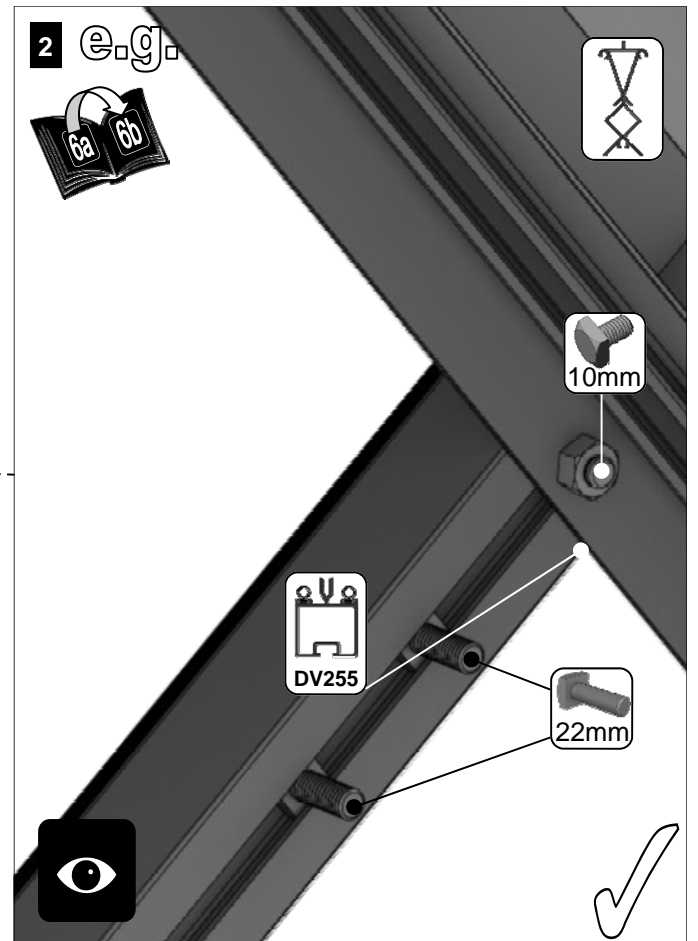
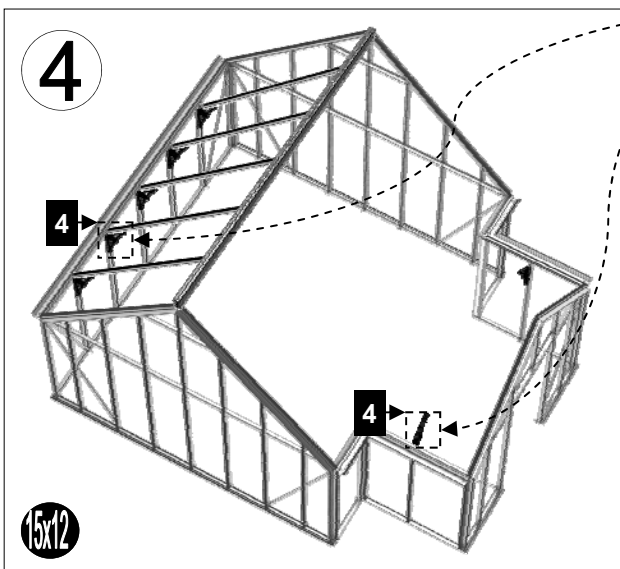
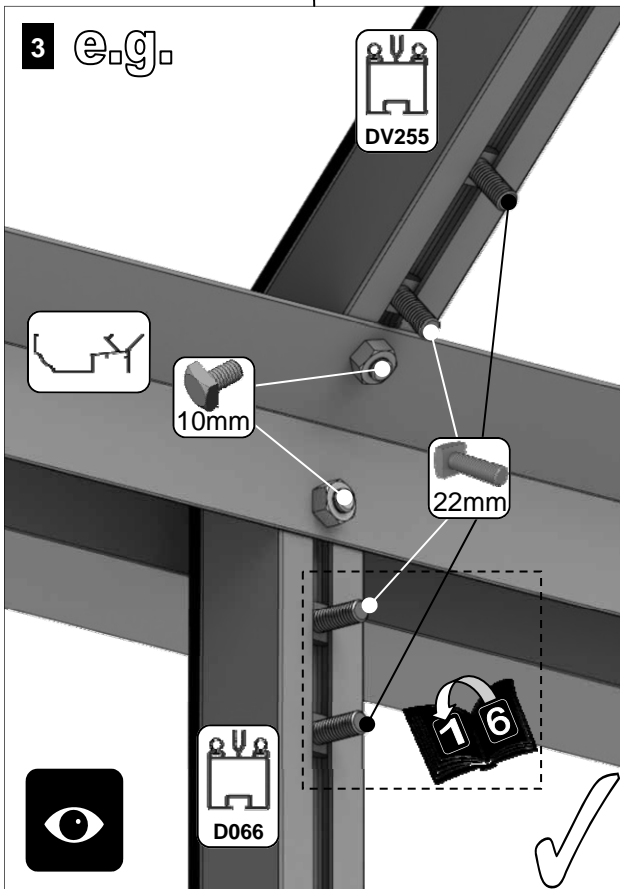
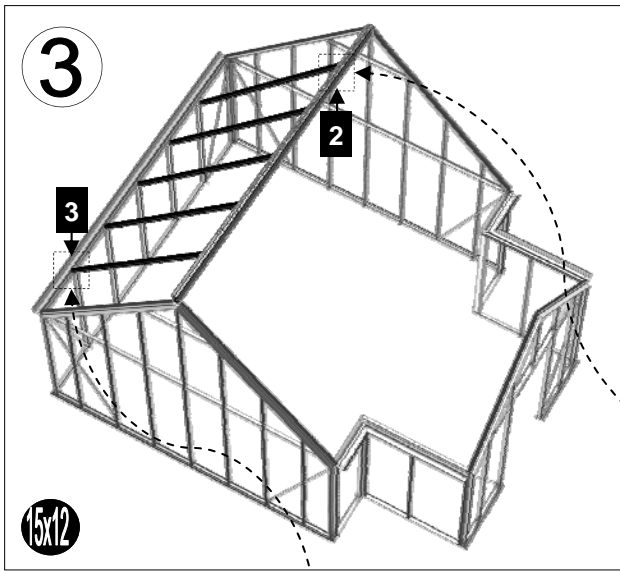


| REAR ROOF | | 15x12 |
|-------------|---|----------|
| Part No | mm | Quantity |
| DV203 | 3757 | 1 |
| DV255 | 2450 | 5 |
| DV100 | n/a | 7 |
| D227 Rubber | 1000 | 25 |
| SYBOL M6X11 |  | 10 |
| SYBOL M6X22 |  | 20 |
| SYNUT M6 |  | 34 |

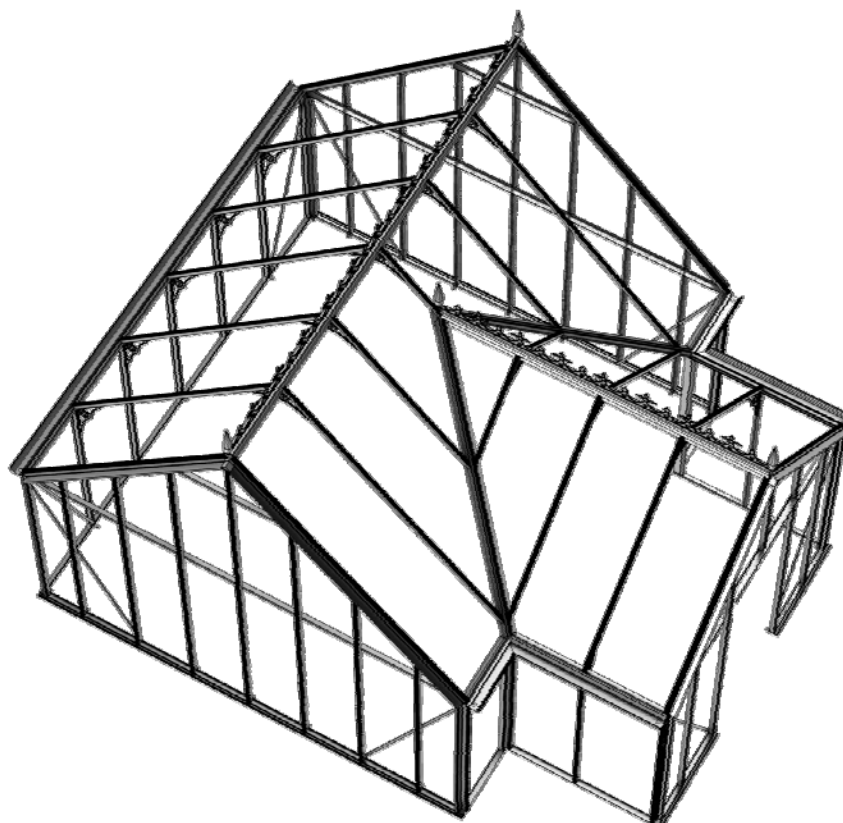
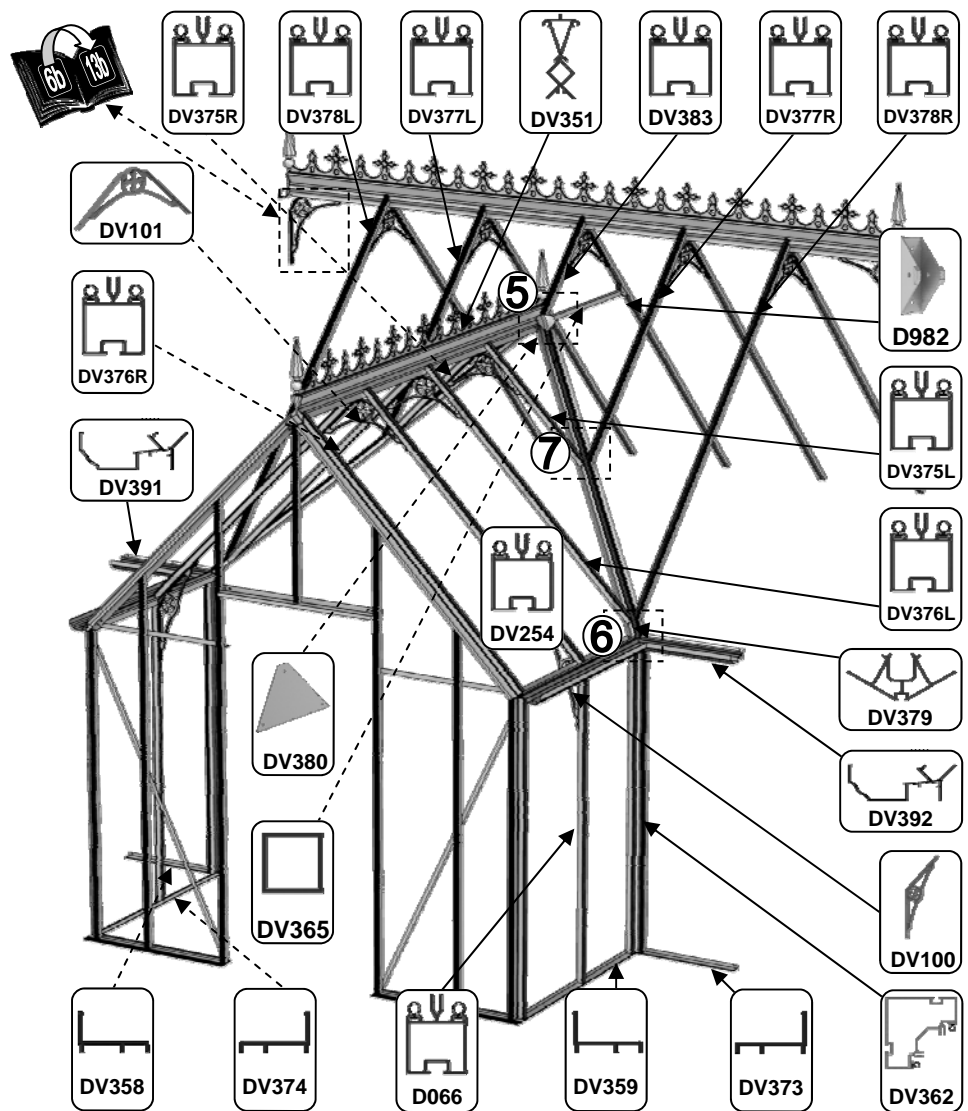


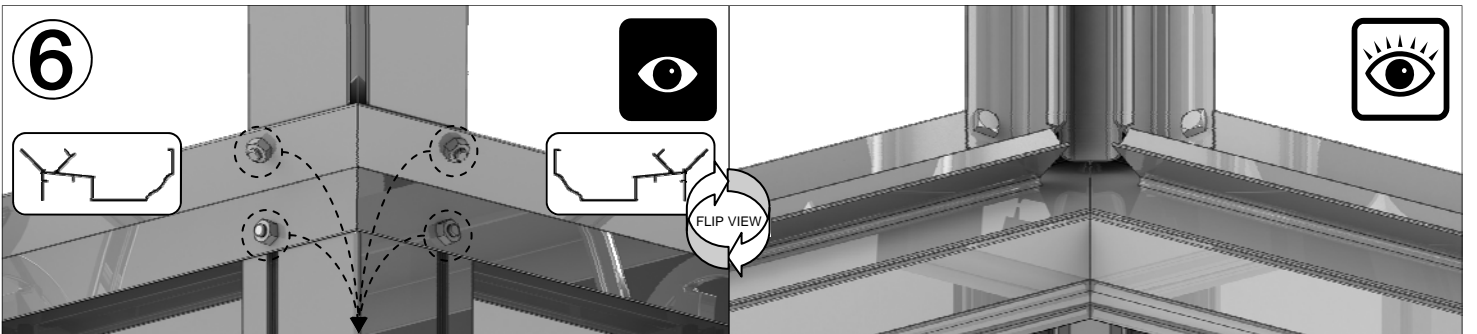
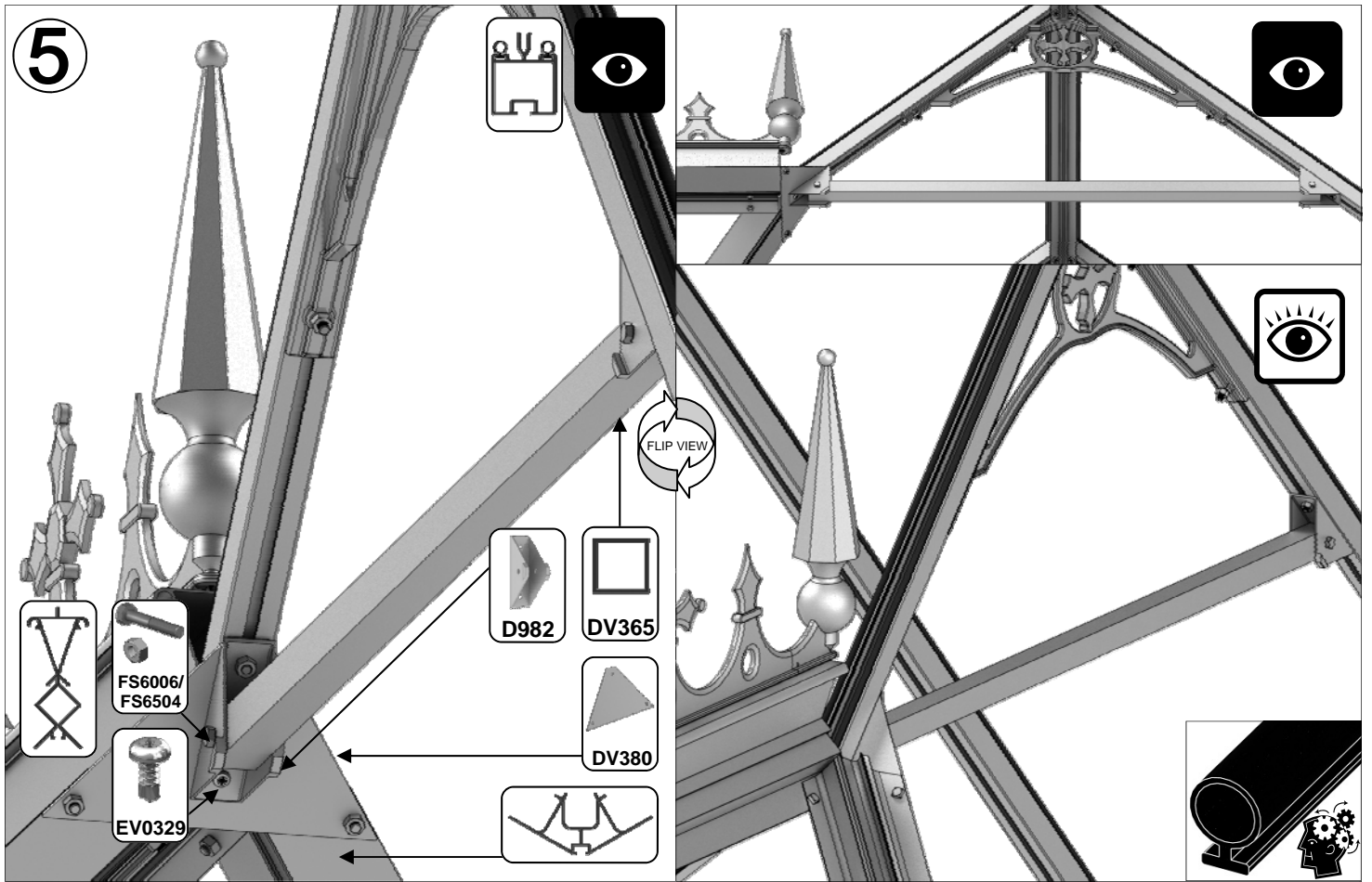
- End finials need to be pinched onto the ridge using 'DV282' grub screws.
- Depending on your ridge length a half cresting may need to be cut. Some spacer bar may also be required 'DV281' cut into two equal sections.
- Each finial and cresting piece needs to be siliconed 'D119' into place.



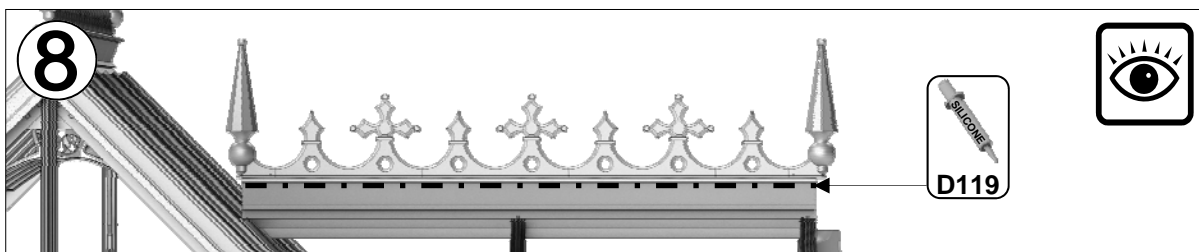
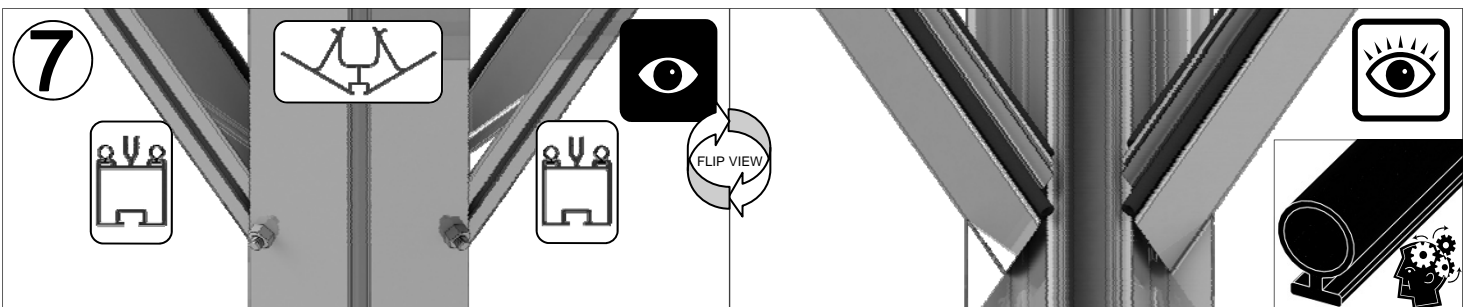


| PORCH ROOF | | 15x12 |
|-------------|------|----------|
| Part No | mm | Quantity |
| D982 | 100 | 2 |
| DV101 | n/a | 10 |
| DV254 | 1790 | 2 |
| DV351 | 2470 | 1 |
| DV365 | 899 | 1 |
| DV375L | 830 | 1 |
| DV375R | 830 | 1 |
| DV376L | 1708 | 1 |
| DV376R | 1708 | 1 |
| DV377L | 1492 | 1 |
| DV377R | 1492 | 1 |
| DV378L | 2368 | 1 |
| DV378R | 2368 | 1 |
| DV379 | 2212 | 2 |
| DV380 | n/a | 1 |
| DV383 | 661 | 1 |
| D227 Rubber | 1000 | 35 |
| SYBOL M6X11 | | 34 |
| SYBOL M6X22 | | 26 |
| SYNUT M6 | | 60 |

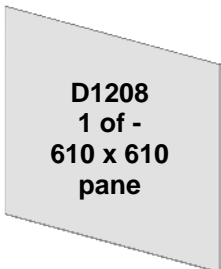




IMPORTANT: Because your porch gutter sections are welded together to eliminate the chance of any leaks the holes circled above can vary slightly in their locations. They may therefore require slight alteration to marry up with DV362 and DV379. Using an 8mm drill bit to enlarge the standard 7mm holes will for example give a little more play to aid fitting.

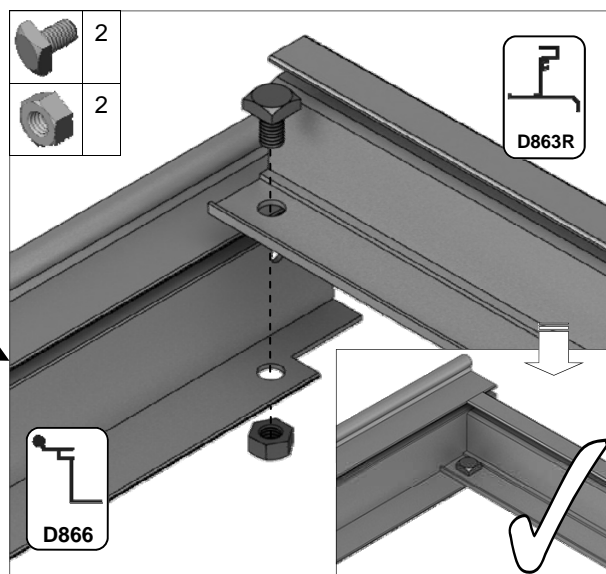
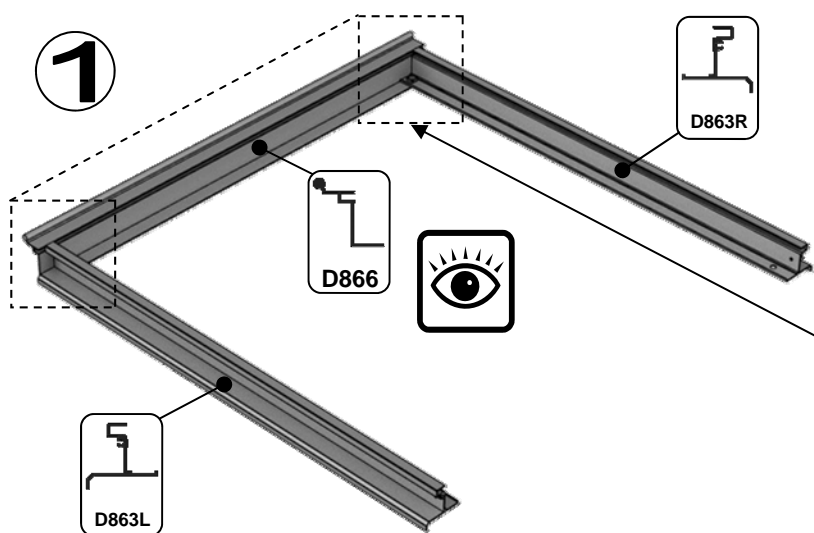


6b

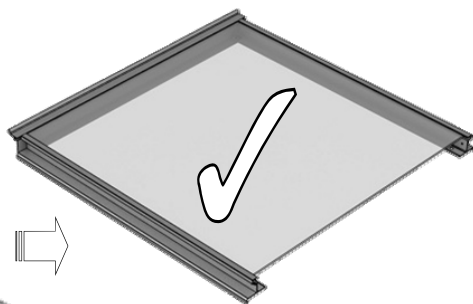
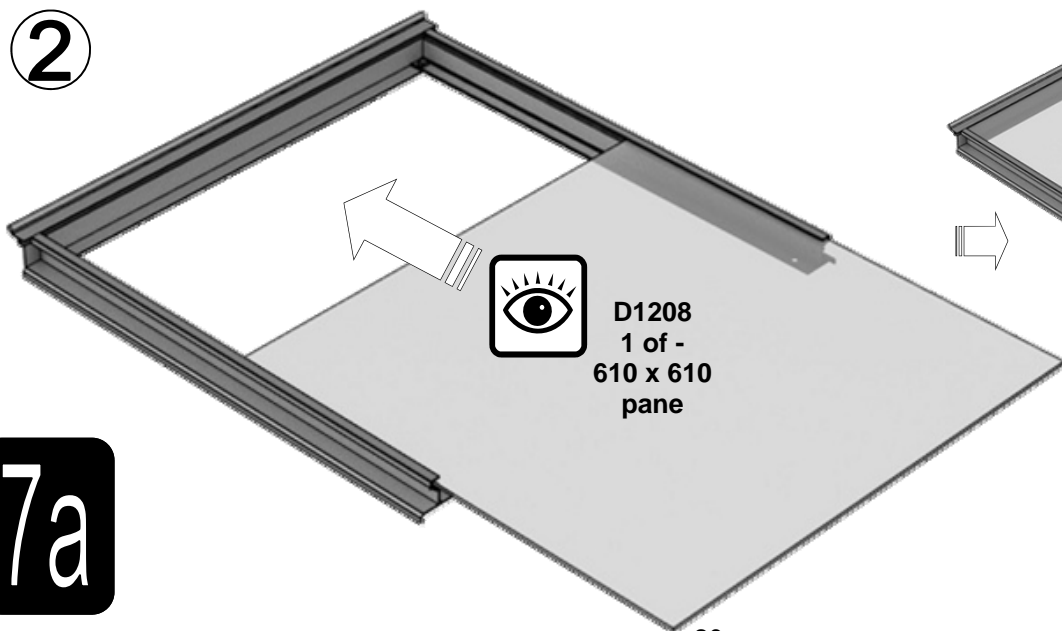


| Part No | | mm | Quantity |
|---------|--|-----|----------|
| D866 | | 639 | 1 |
| D863L | | 613 | 1 |
| D863R | | 613 | 1 |
| D862 | | 593 | 1 |

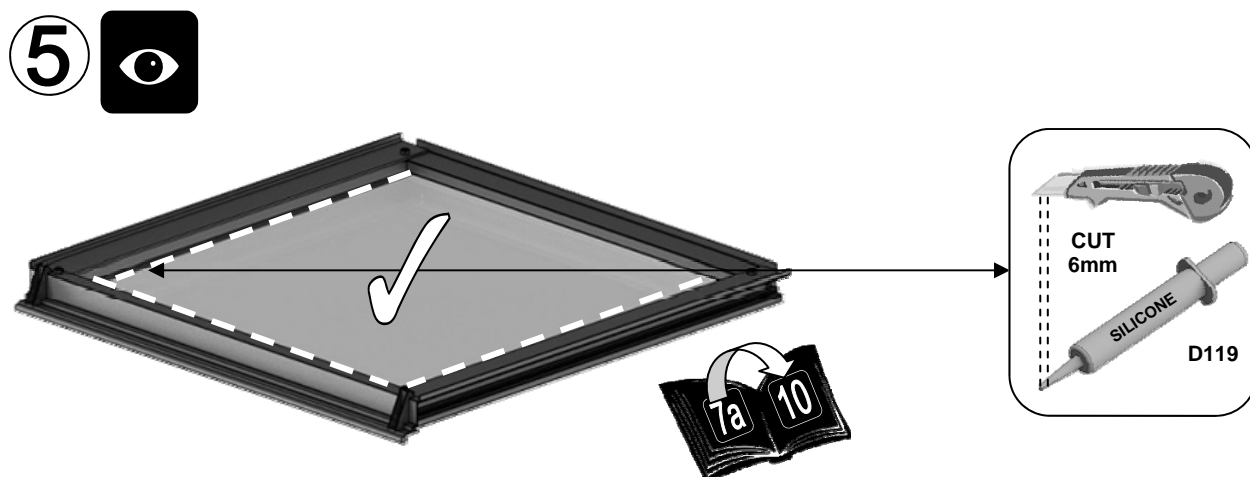
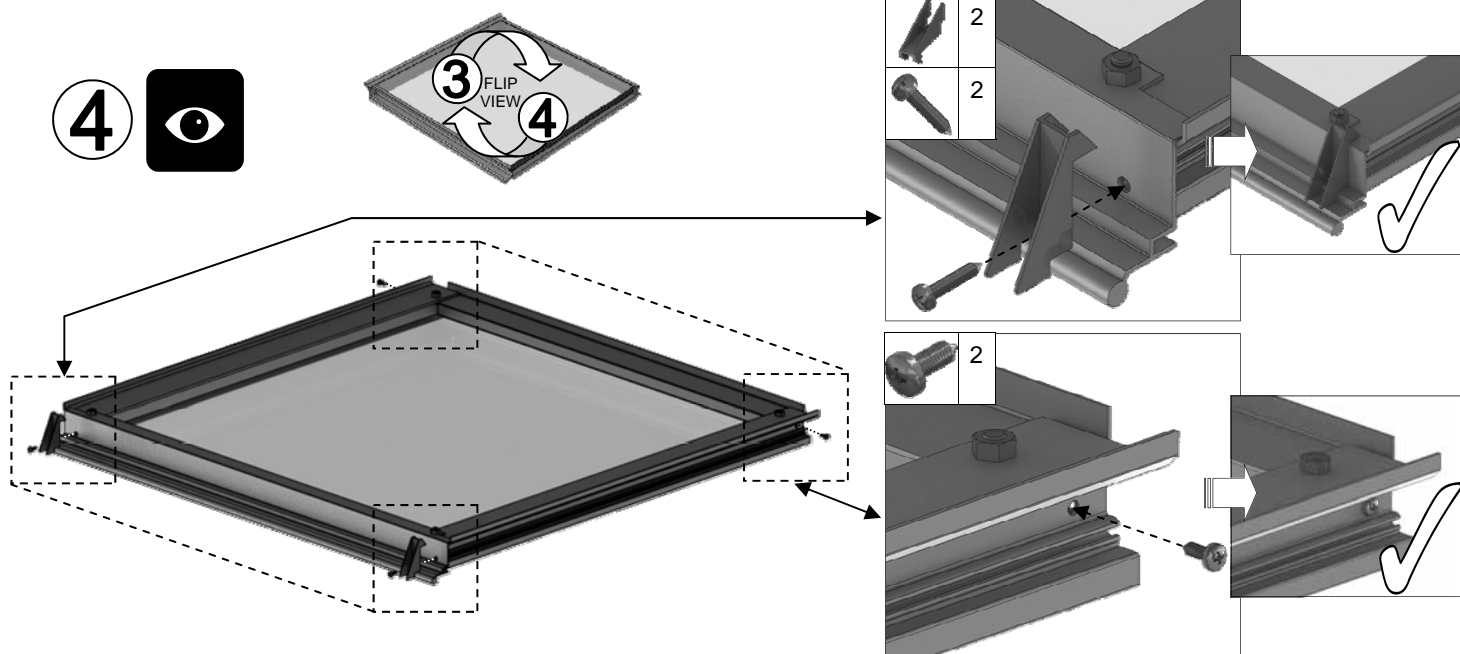
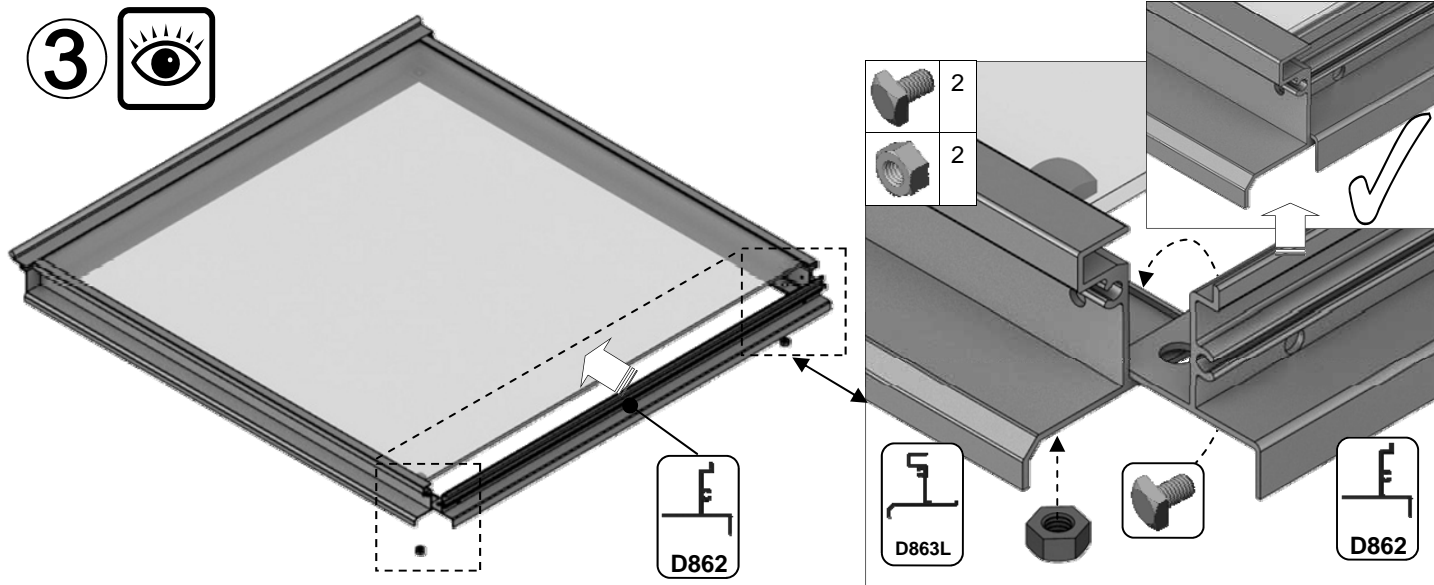
| Part No | | mm | Quantity |
|-------------------|--|-----|----------|
| D220 PLUS SCREW | | N/A | 2 |
| D205 | | N/A | 2 |
| SYBOL M6X11 | | 10 | 4 |
| SYNUT M6 | | M6 | 4 |
| 8 X 12 S/T FS6017 | | 10 | 2 |
| 8 x 19 S/T FS6018 | | 19 | 2 |



2









7a



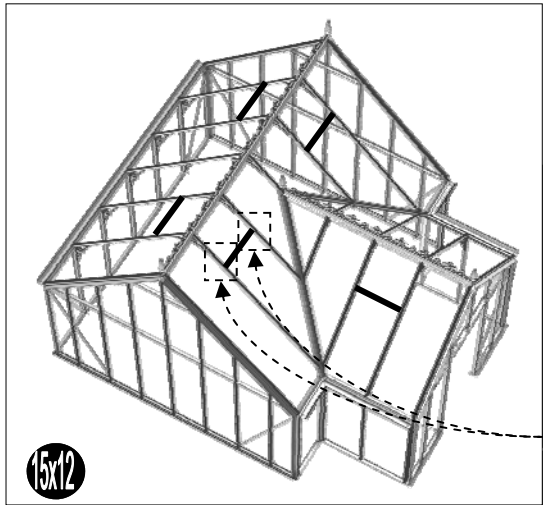
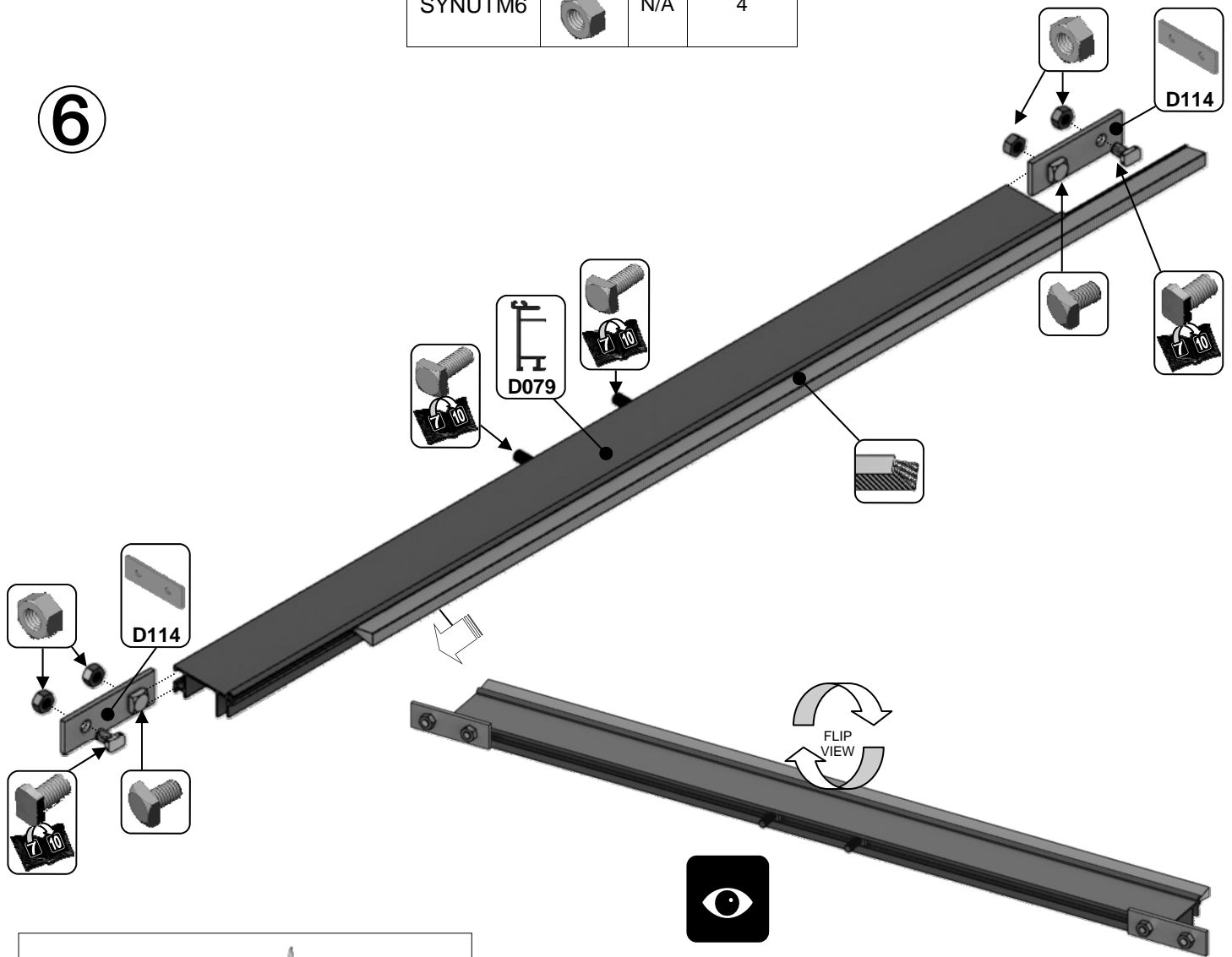
7a

1 vent
slam bar = {

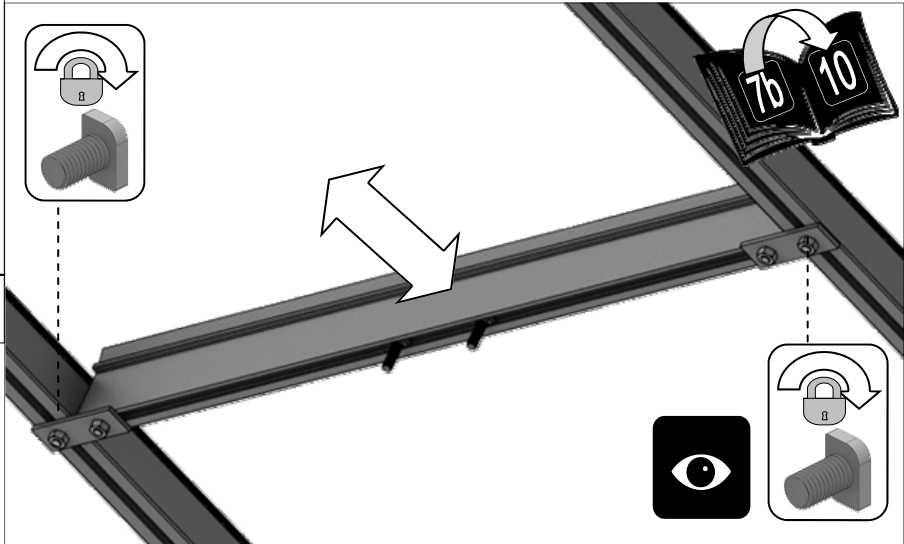
| Part No | | mm | Quantity |
|-----------------|---|-----|----------|
| SY-BOLM6X11 |  | 10 | 2 |
| SY-BOLM6X15 |  | 15 | 2 |
| SYBOLM6 X11CROP |  | 10 | 2 |
| SYNUTM6 |  | N/A | 4 |

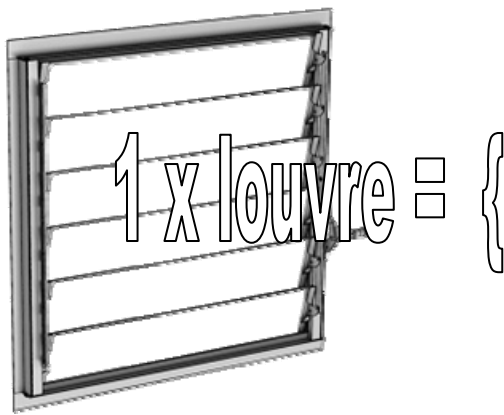
| Part No | | mm | Quantity |
|-----------------|---|-----|----------|
| D079 PLUS FLUFF |  | 590 | 1 |
| D114 |  | N/A | 2 |

6

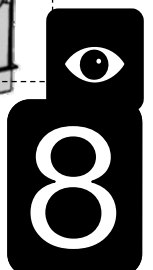
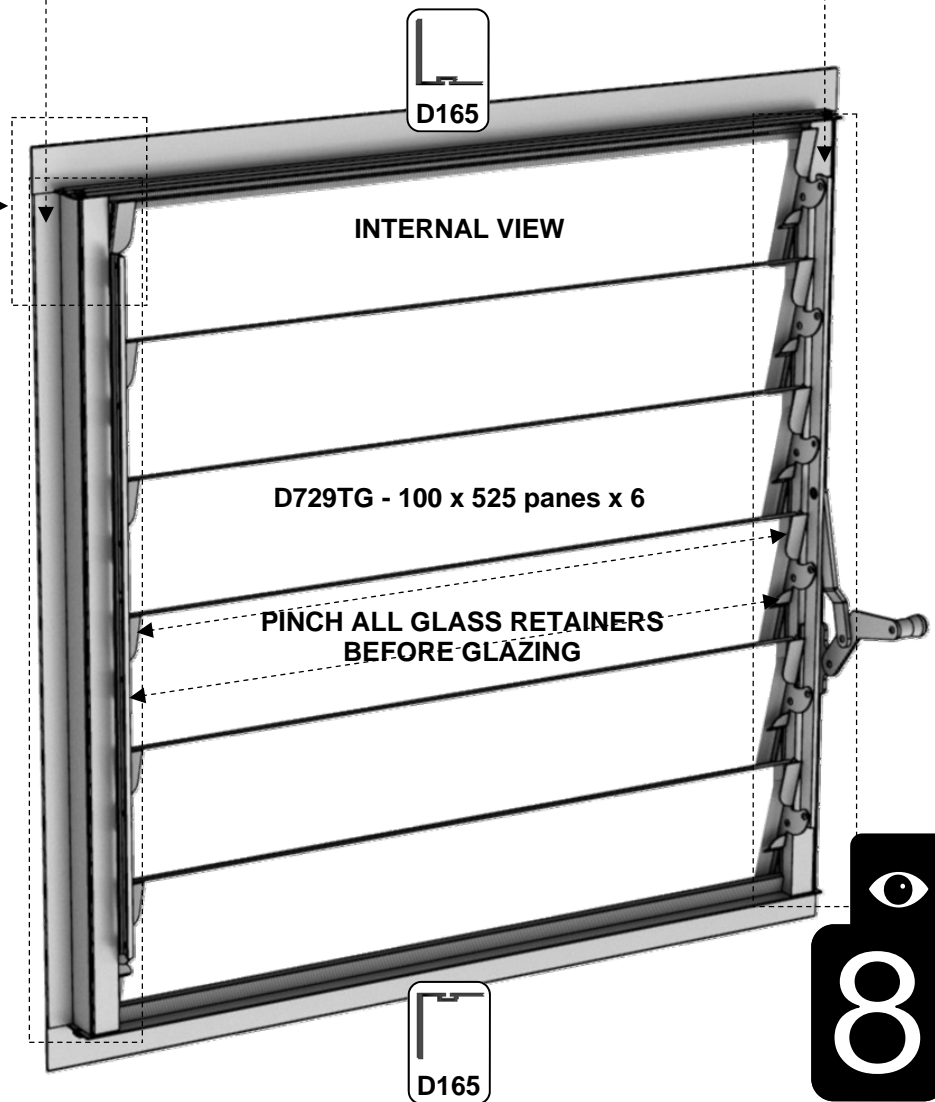
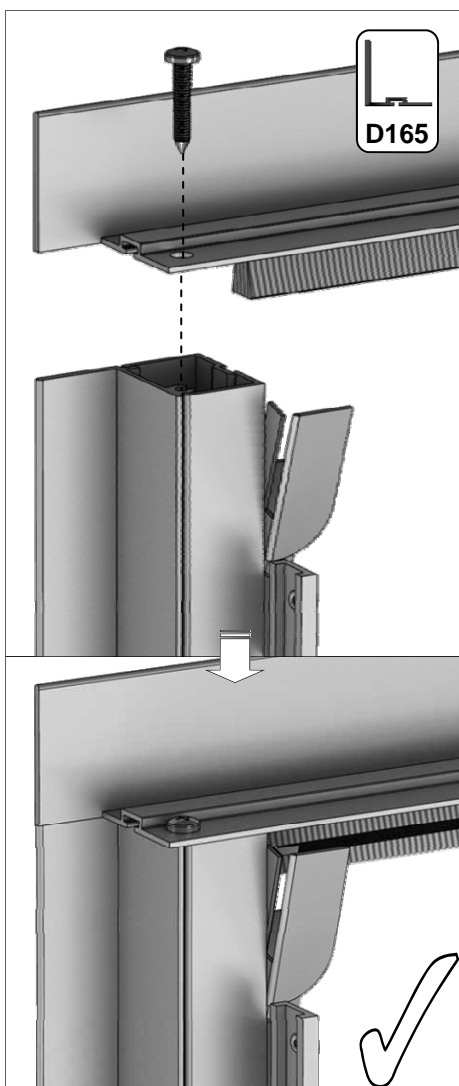
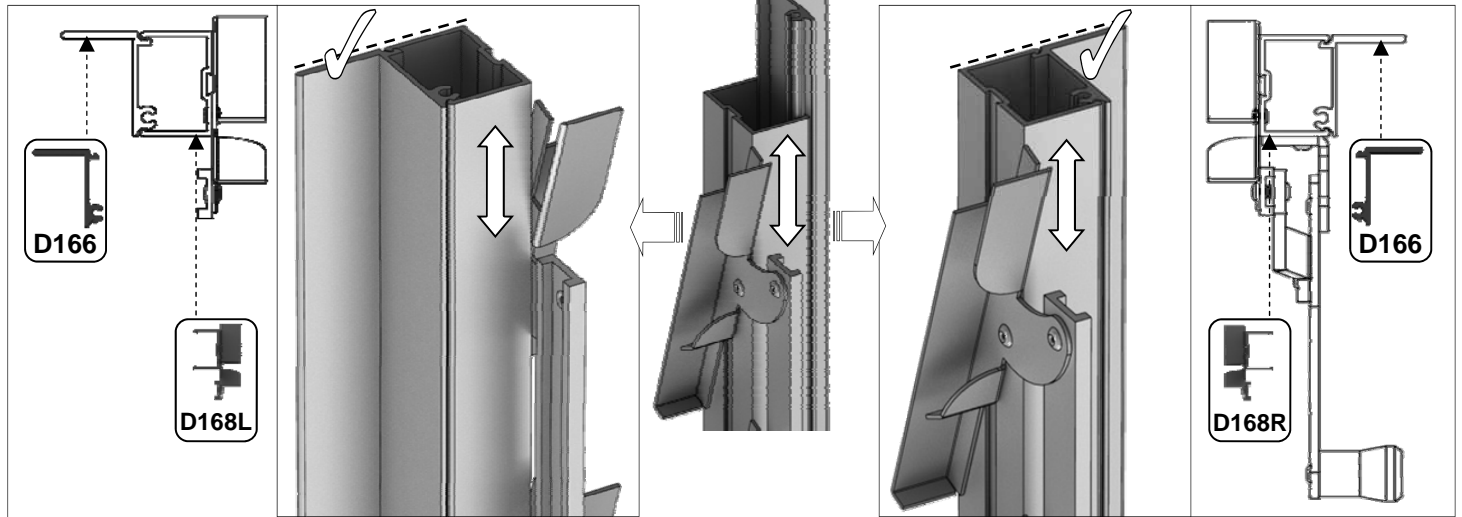


7b





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



| PORCH CAPS AND COVERS | | | 15x12 |
|-----------------------|---------|-----------|----------|
| PART No | SECTION | SIZE (mm) | QUANTITY |
| D812 | | 1660 | 11 |
| D870 | | 601 | 9 |
| DV479 | | 1384 | 1 |
| DV635L/R | | 2021 | 3 + 3 |
| DV637L/R | | 2489 | 3 + 3 |
| DV639L/R | | 2960 | 2 + 2 |
| DV654 | | 1821 | 2 |
| DV655 | | 1880 | 5 |
| DV662 | | 3395 | 2 |
| DV663 | | 905 | 1 |
| DV675L/R | | 863 | 1 + 1 |
| DV676L/R | | 1741 | 1 + 1 |
| DV677L/R | | 924 | 1 + 1 |
| DV678L/R | | 1799 | 1 + 1 |
| DV683 | | 680 | 1 |
| D813 | | 1675 | 6 |
| D834 | | 1660 | 6 |
| D871 | | 601 | 4 |
| DV651 | | 1790 | 2 |
| DV652 | | 1871 | 4 |
| D825 | | 1660 | 17 |
| D826 | | 1677 | 6 |
| DV480 | | 1384 | 1 |
| DV636L/R | | 2021 | 3 + 3 |
| DV638L/R | | 2489 | 3 + 3 |
| DV640L/R | | 2960 | 2 + 2 |
| DV657 | | 1821 | 4 |
| DV658 | | 2481 | 9 |
| DV668 | | 3395 | 2 |
| DV669 | | 905 | 1 |
| DV679L/R | | 863 | 1+1 |
| DV680L/R | | 1741 | 1+1 |
| DV681L/R | | 1525 | 1+1 |
| DV682L/R | | 2400 | 1+1 |
| DV684 | | 680 | 1 |

GLAZING (plans pto):

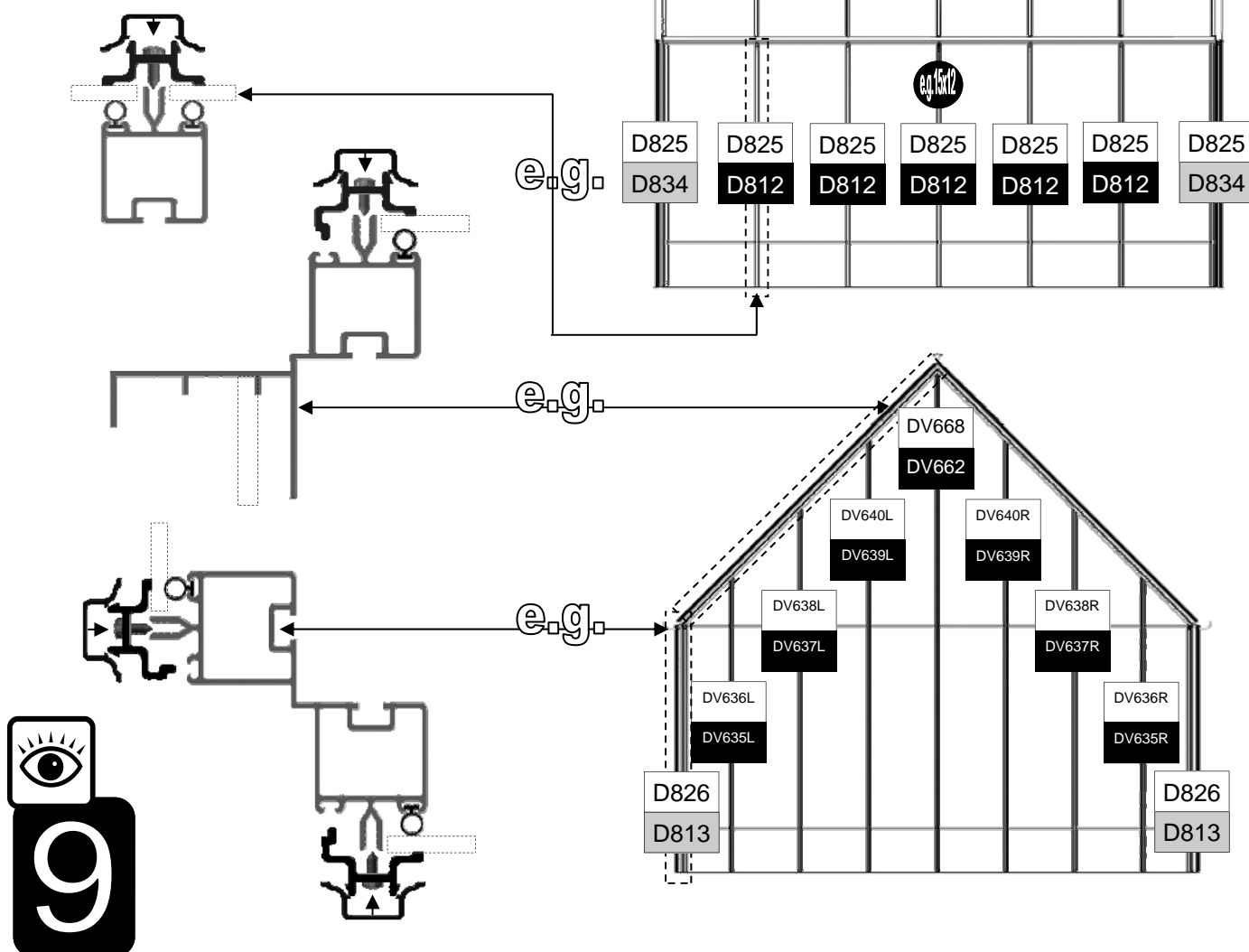
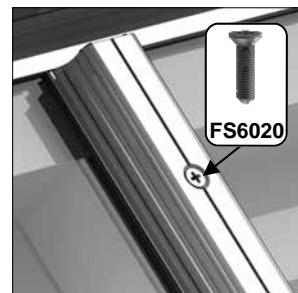
Glass and aluminium can potentially cause injury. Please ensure you wear protective goggles, gloves, headgear and suitable footwear when assembling and glazing the building.



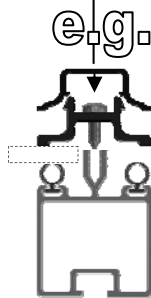
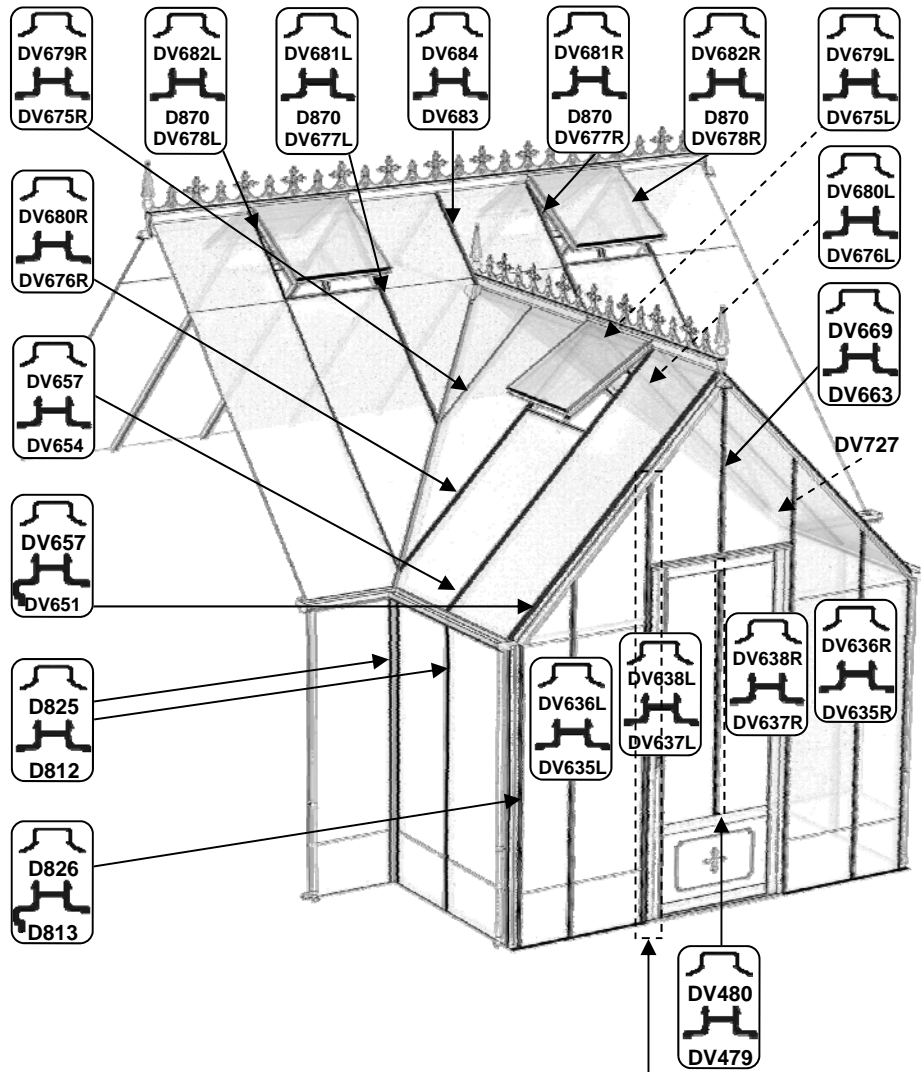
Please remember that glass is fragile and should be handled with extreme care. Always clear up and dispose of any breakages immediately.

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. You can also place the roof cappings in the gutters so they are closer to hand.

If you have a building which has aluminium cover caps then the roof covers are held in place with low-profile countersunk screws 'FS6020'. It looks neatest if all of these screws go towards the ridges of the building, see right.



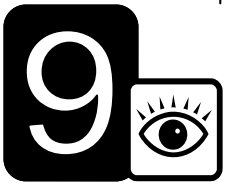
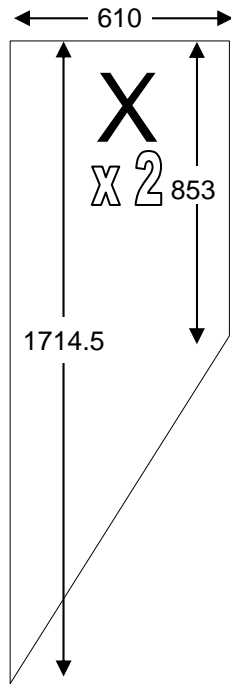
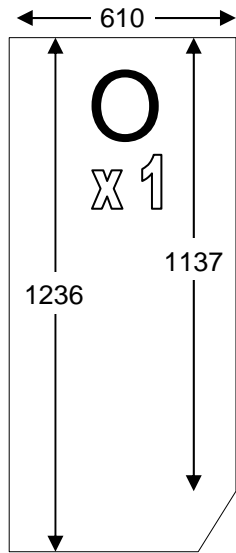
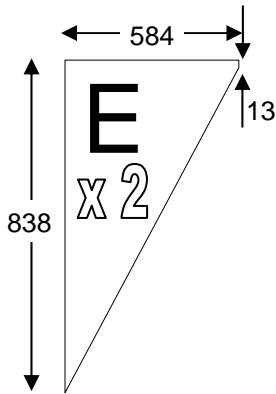
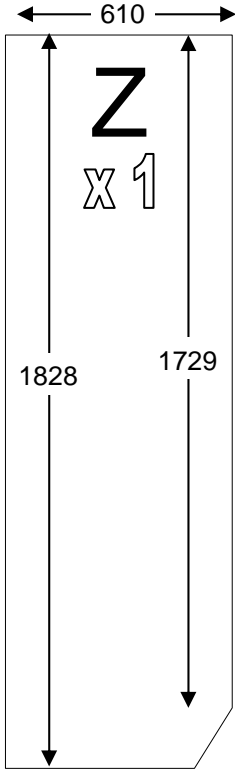
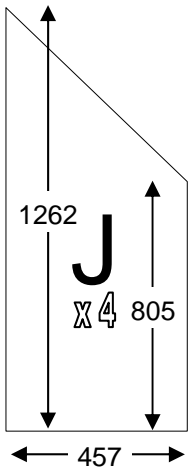
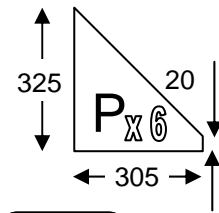
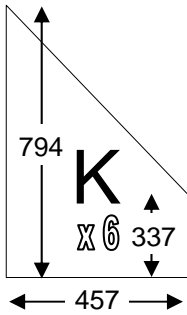
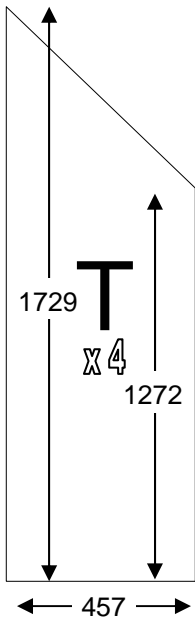
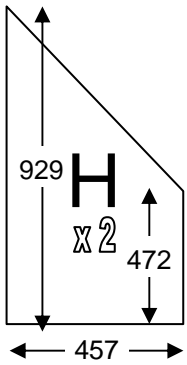
15x12

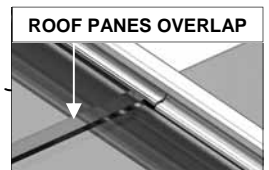
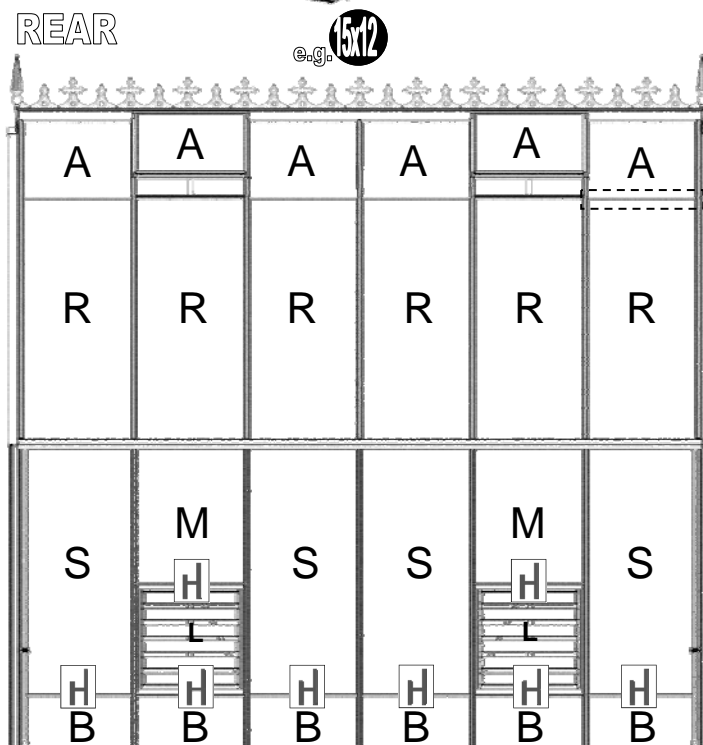
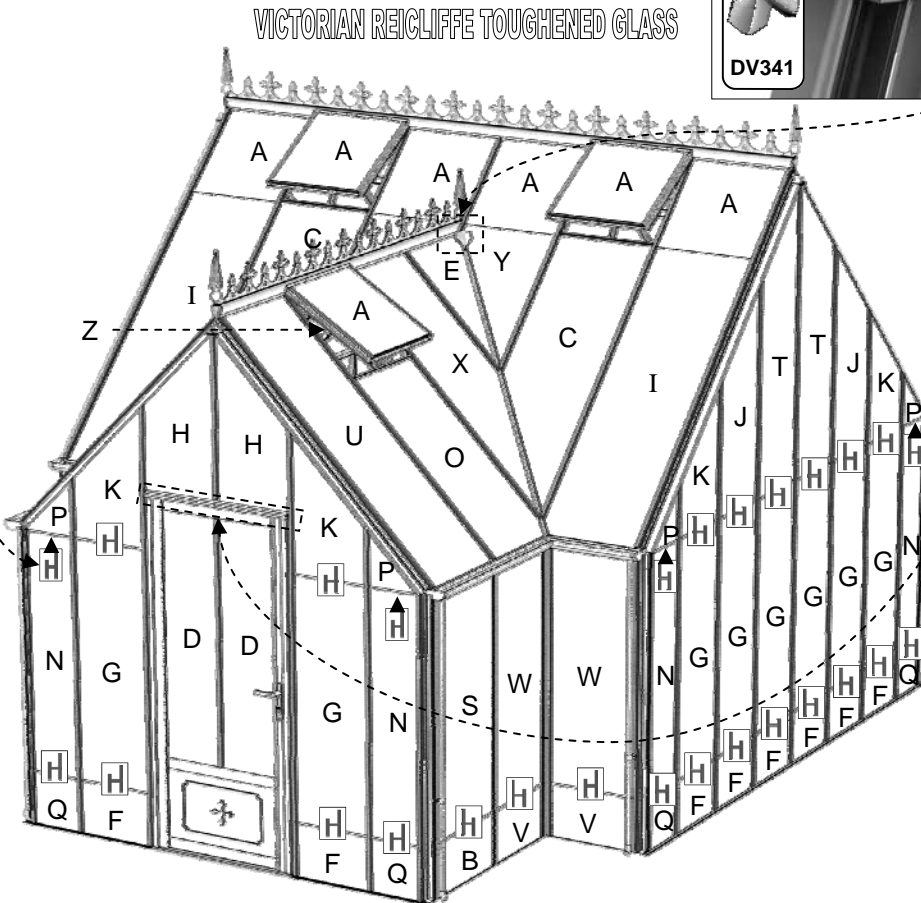
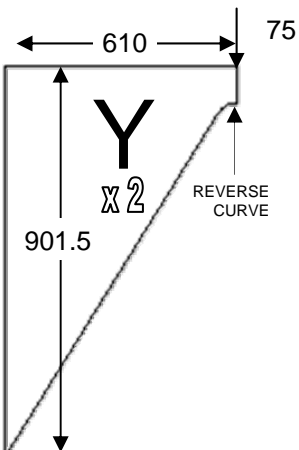
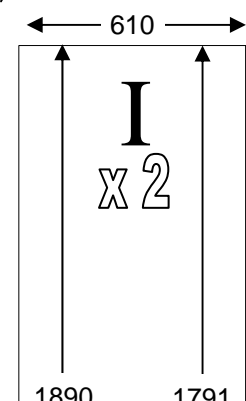
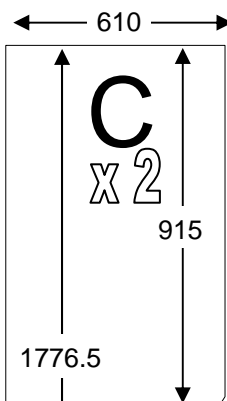
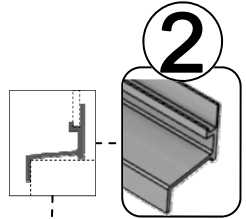
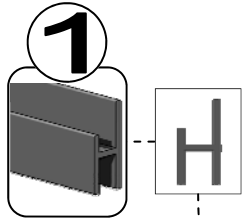
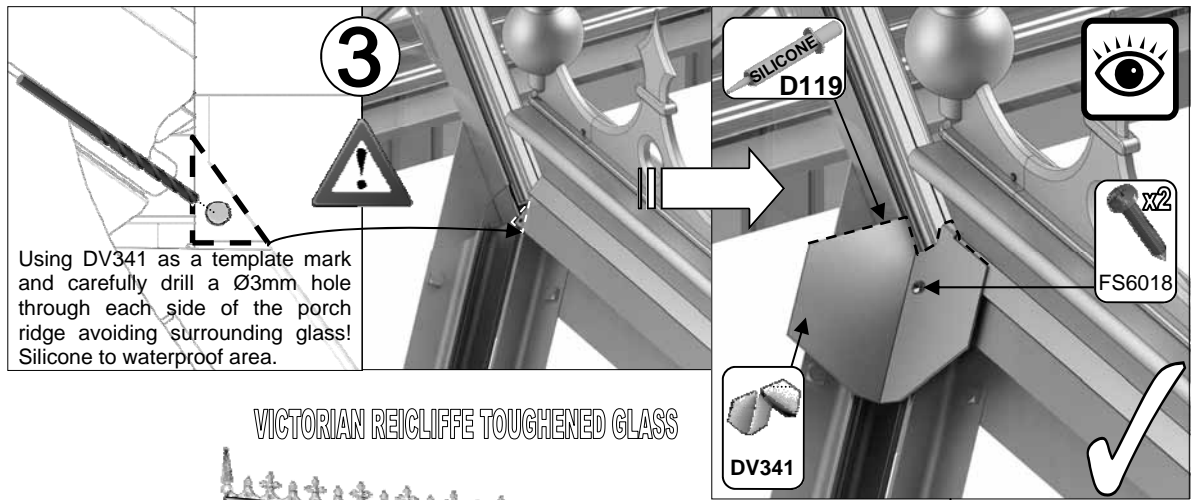


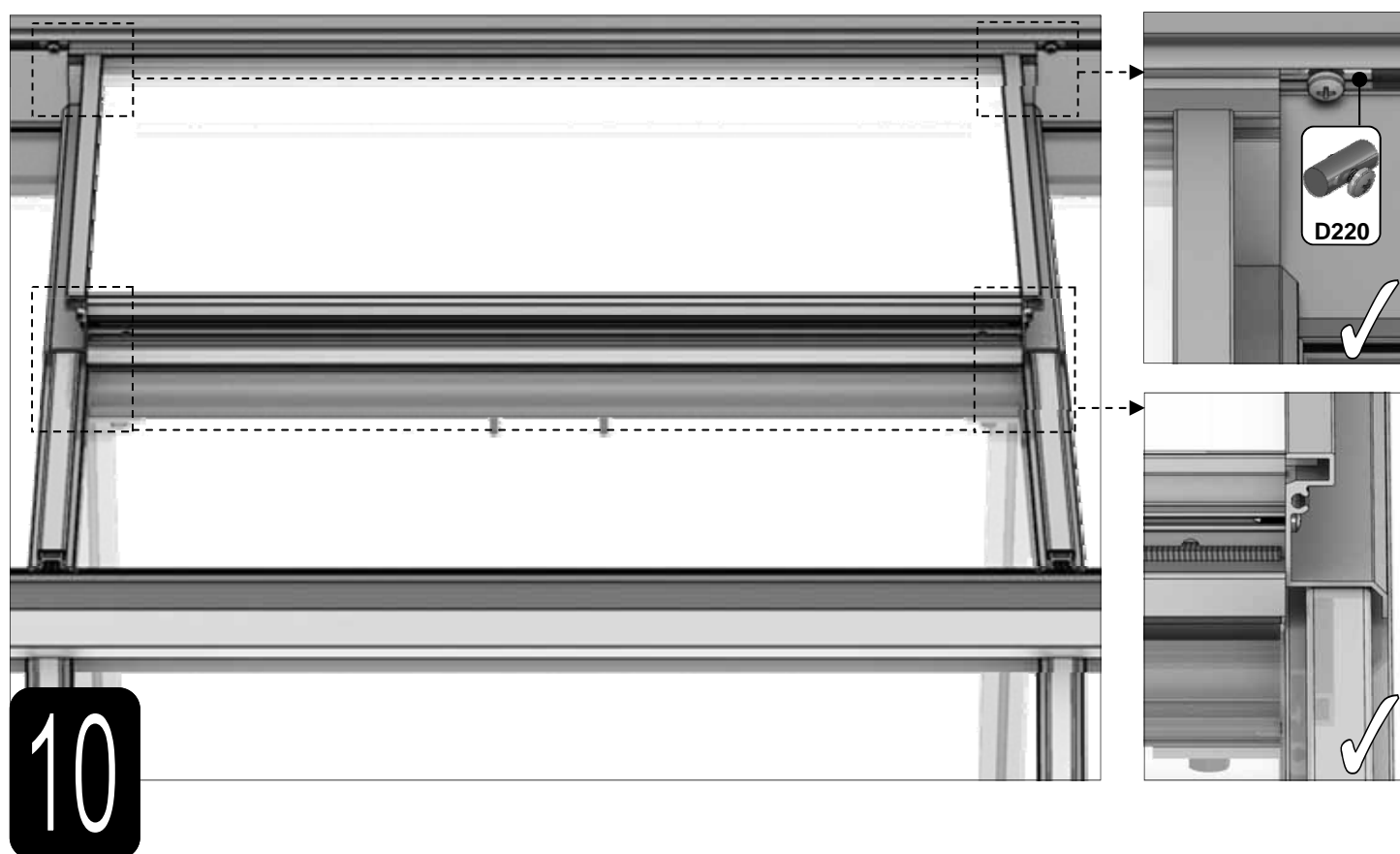
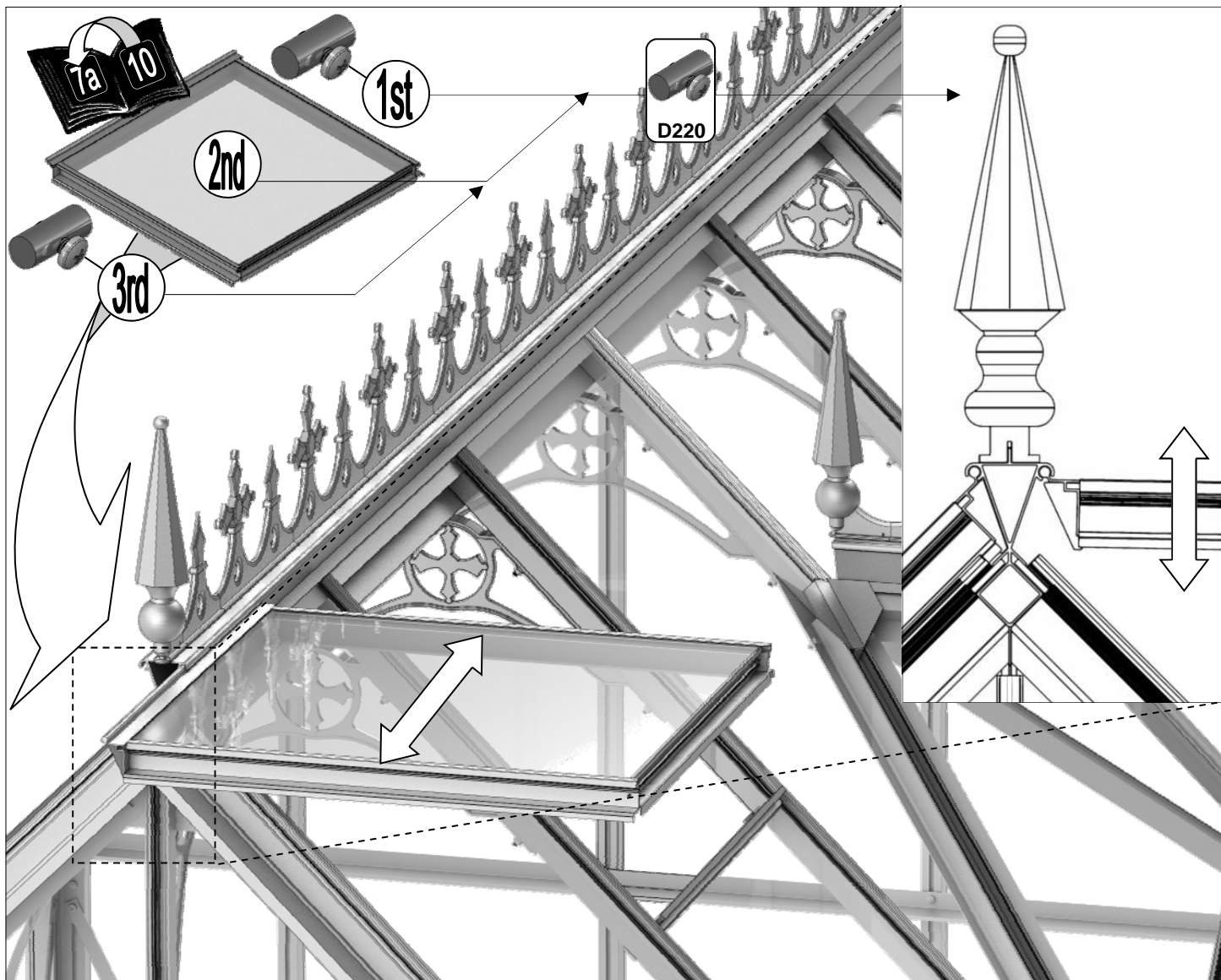
| PORCH GLASS | | | 15x12 |
|---------------|---|----------------------------------|----------|
| PART No | | Size (mm) | QUANTITY |
| D729 | L | 525 X 100 | 12 |
| D770 | F | 457 X 305 | 14 |
| D771 | G | 457 X 1374 | 14 |
| D904 | N | 305 X 1374 | 6 |
| D905 | Q | 305 X 305 | 6 |
| D906 | M | 610 X 762 | 2 |
| D1206 | S | 610 X 1374 | 6 |
| D1208 | A | 610 X 610 | 13 |
| D1254 | B | 610 X 305 | 8 |
| DV507 | P | ANGLE | 6 |
| DV700 | D | 357 X 1384 | 2 |
| DV702 | W | 521 X 1374 | 4 |
| DV703 | V | 521 X 305 | 4 |
| DV705 | U | 610 X 1828 | 2 |
| DV713 | K | ANGLE | 6 |
| DV714 | J | ANGLE | 4 |
| DV715 | H | ANGLE | 2 |
| DV716 | T | ANGLE | 4 |
| DV725 | E | ANGLE | 2 |
| DV726 | X | ANGLE | 2 |
| DV727 | Z | ANGLE | 1 |
| DV728 | Y | SPECIAL ANGLE | 2 |
| DV729 | C | ANGLE | 2 |
| DV730 | I | ANGLE | 2 |
| DV732 | O | ANGLE | 1 |
| 610 X 1890 | R | 610 X 1890 | 6 |
| D223/B | | Cut to 904mm | 1 |
| D101 / ROSEPS | H | 610 long (inc cuts to 457&305mm) | 48 |

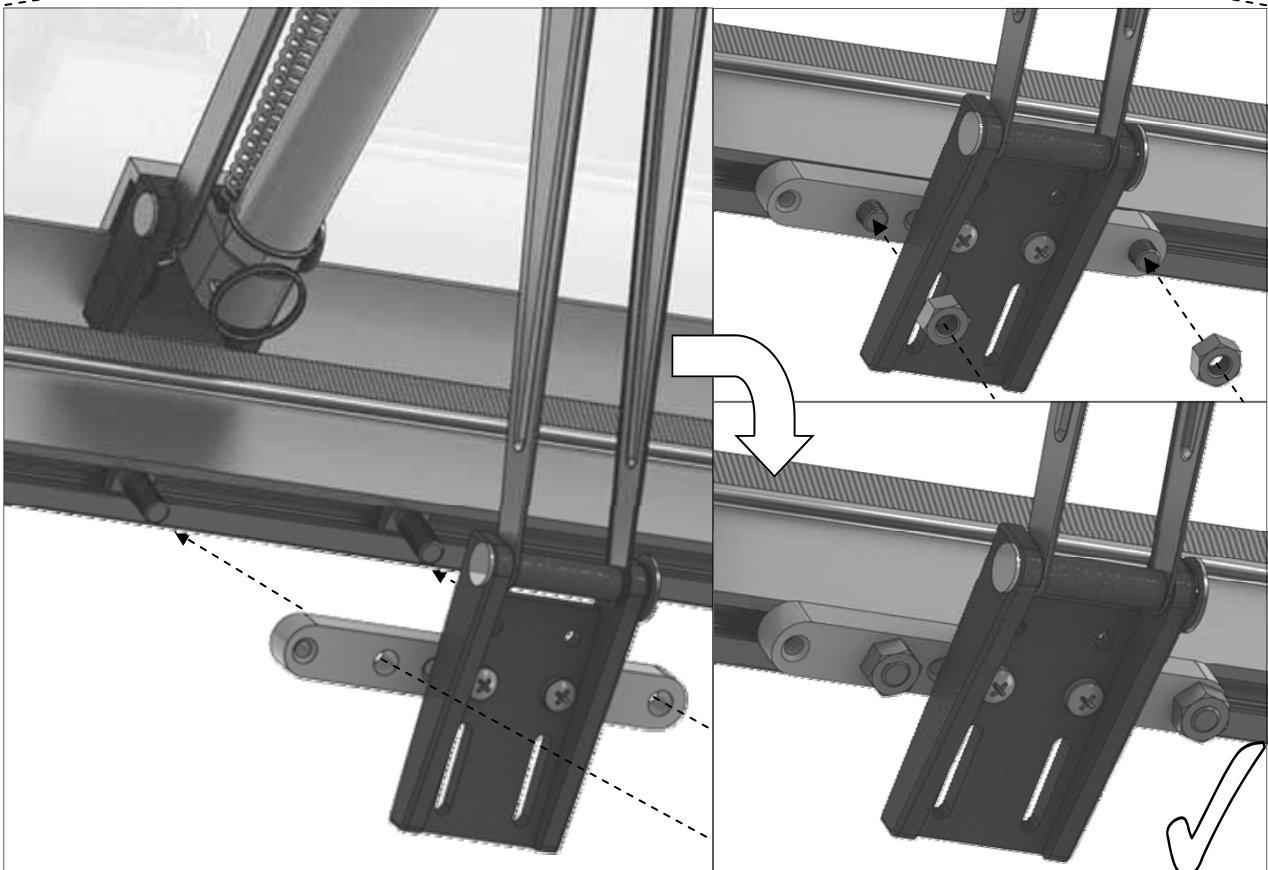
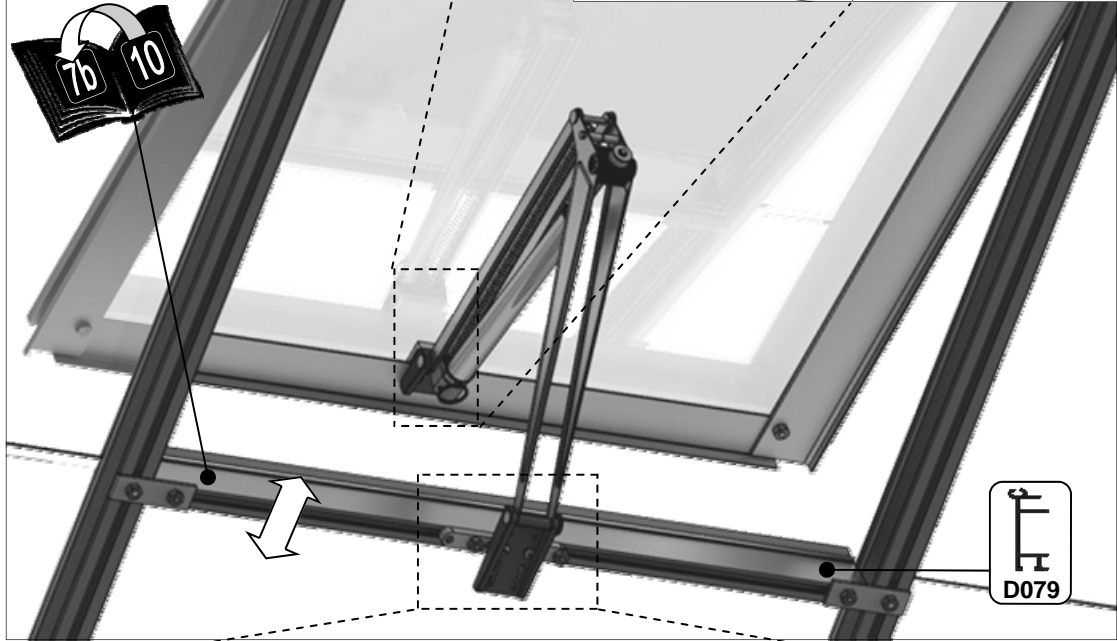
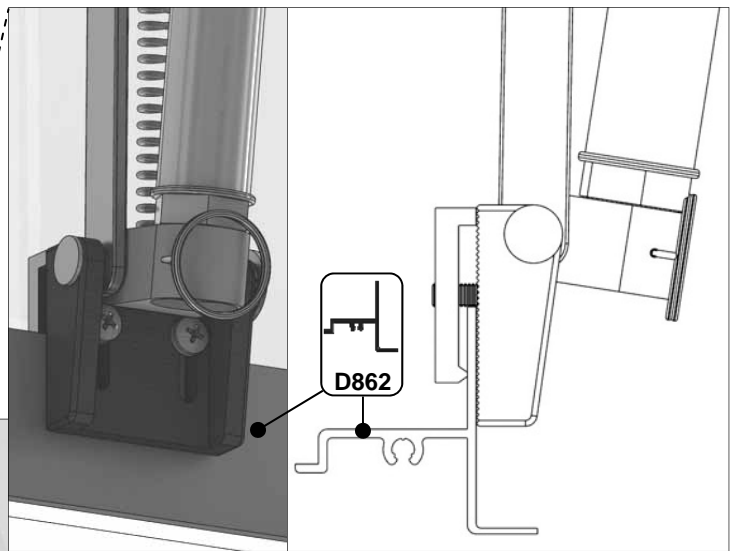
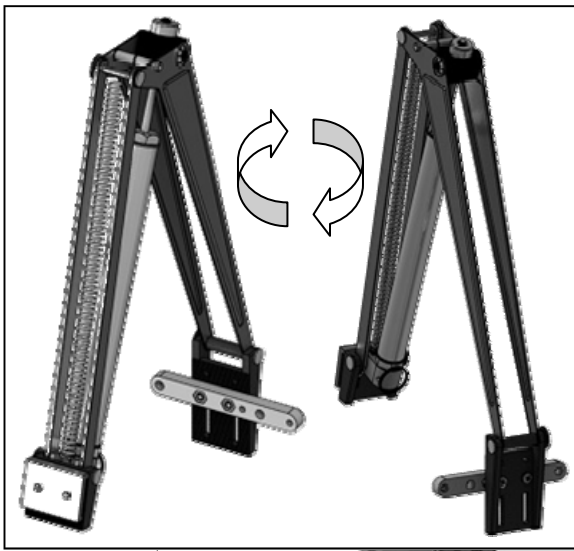
The glass in the sides has to bevel on the black 'ROSEPS' / white 'D101' separator strip (see right) which is on top of the 305mm high glass base panels. This bevelling action allows the glass to tuck underneath the gutter and roof corner canopy. Use the capping e.g. D812 and the self tapping screws 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.

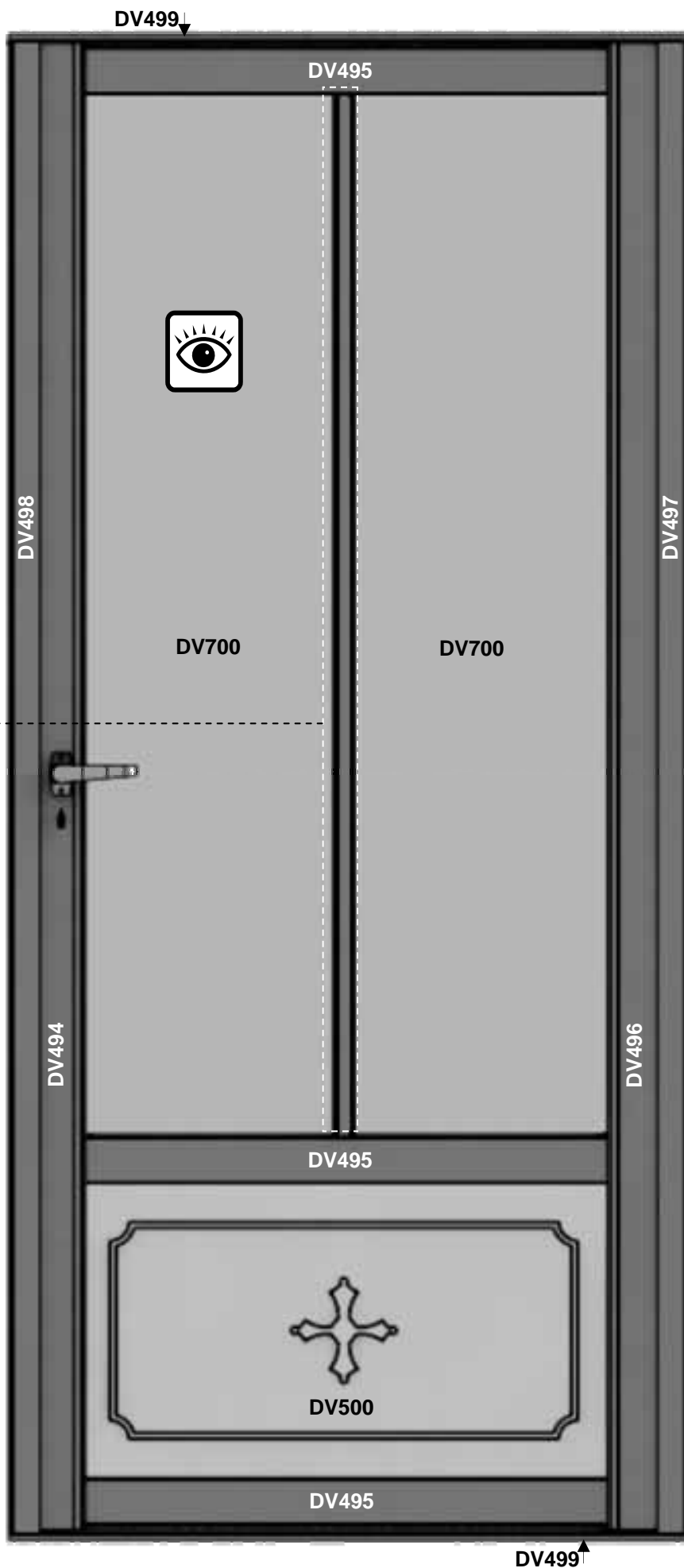
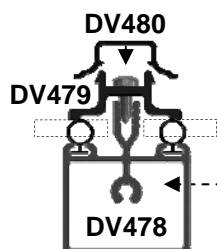
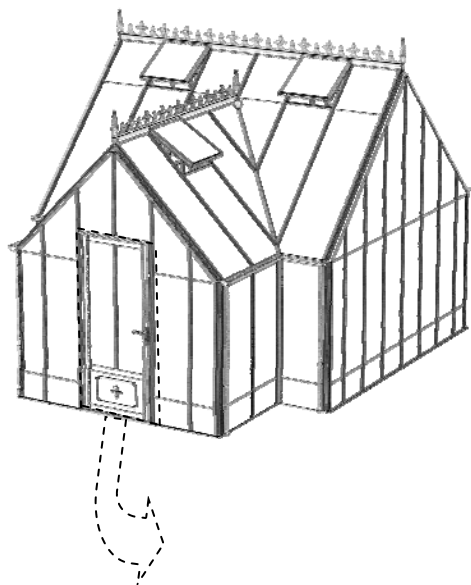




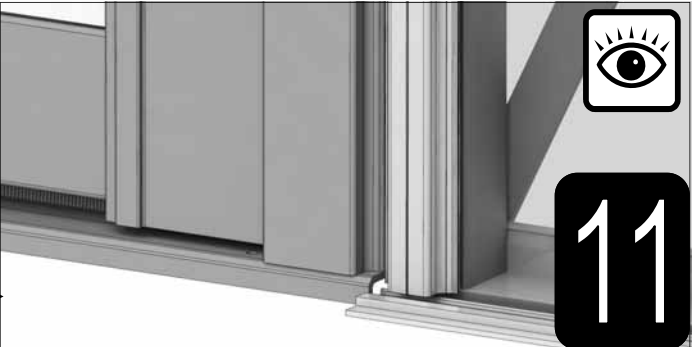
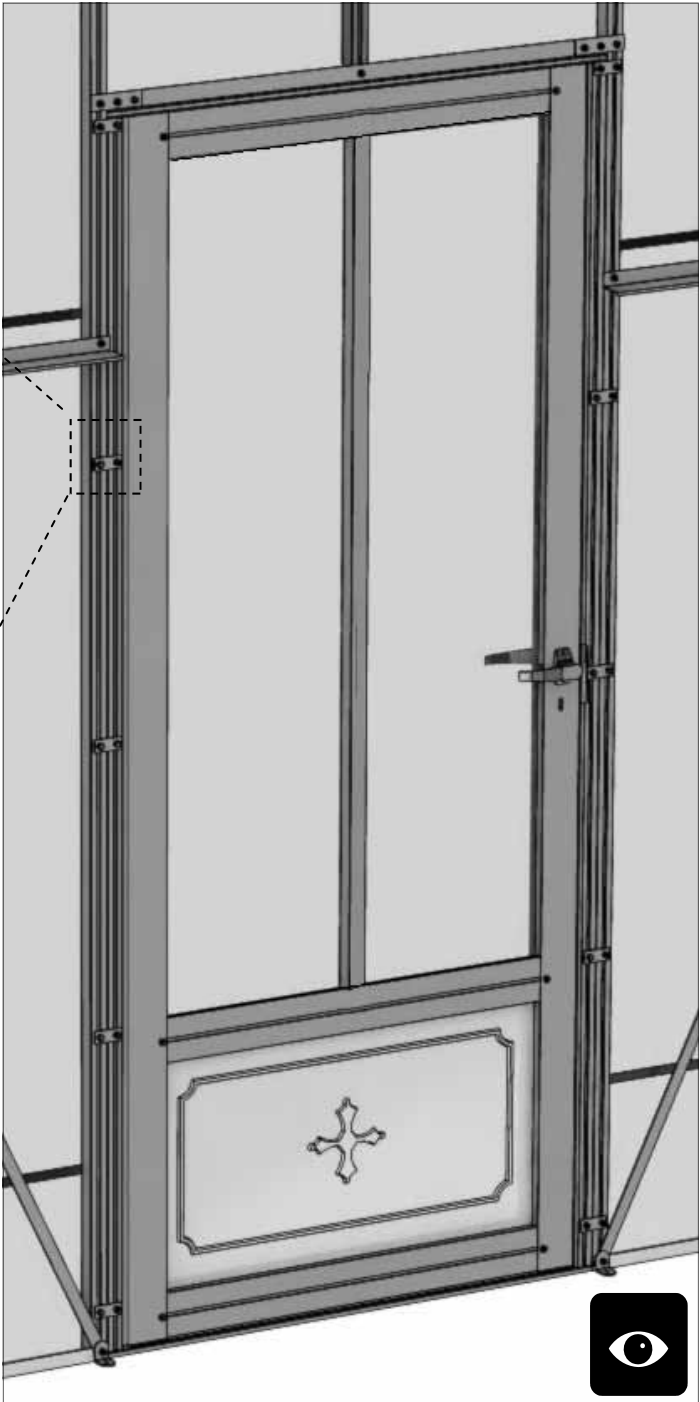
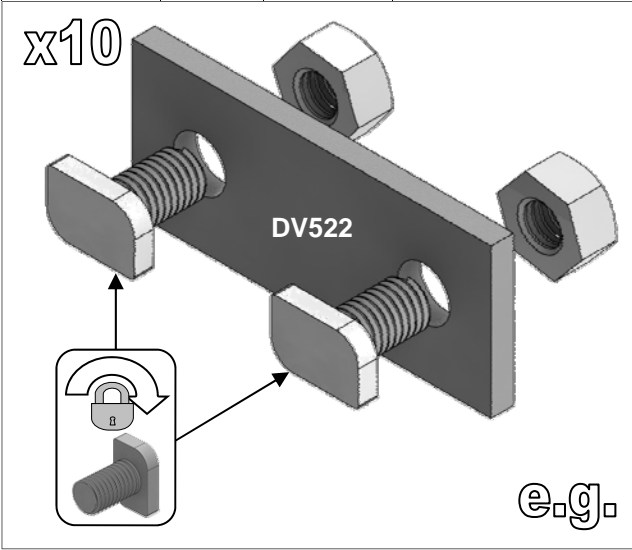


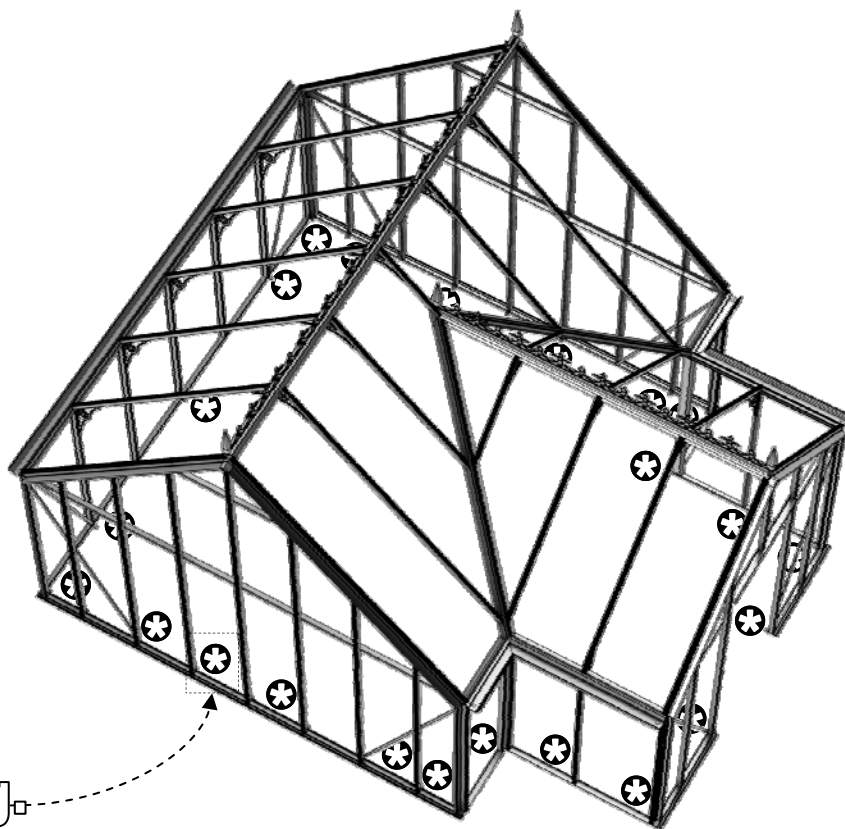
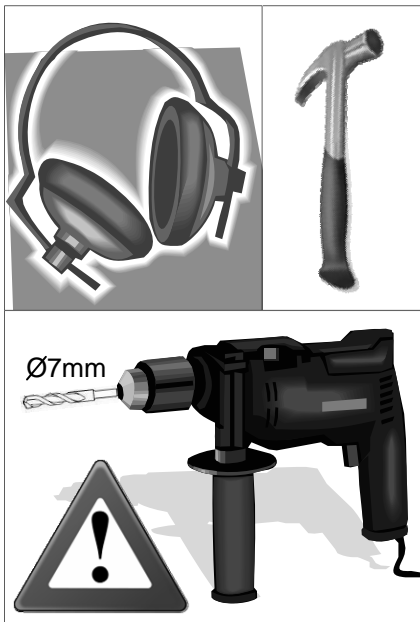


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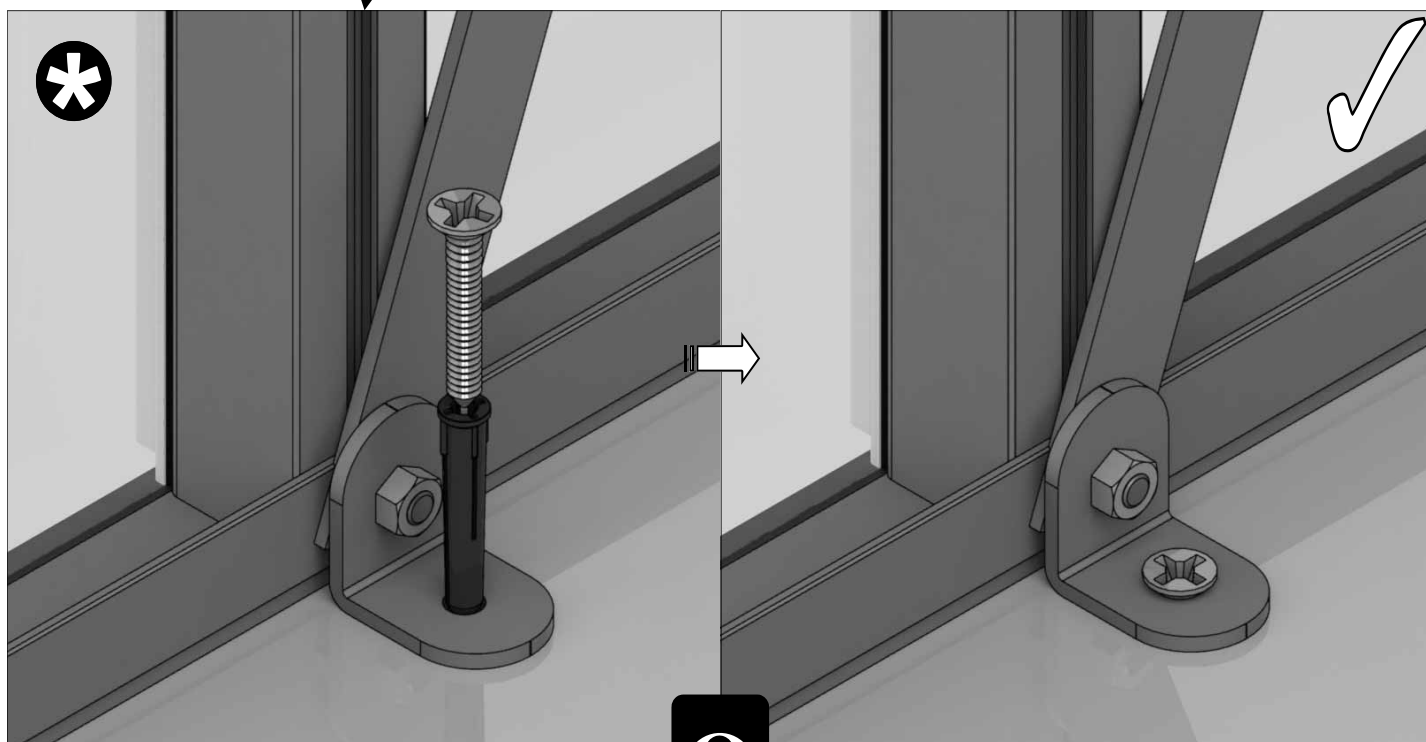


| Part No | | Quantity |
|--------------------|---|----------|
| D522 |  | 10 |
| SYBOLM6 X11CROP |  | 20 |
| SYNUTM6 |  | 20 |

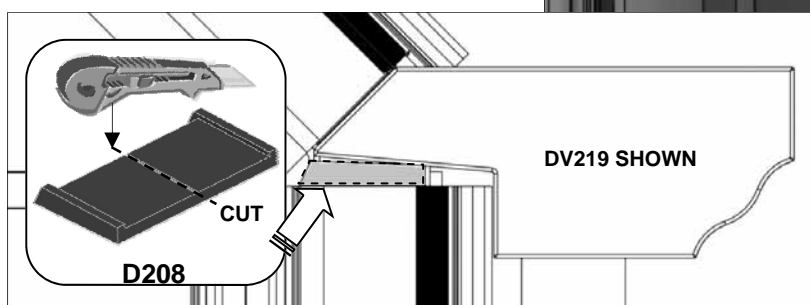
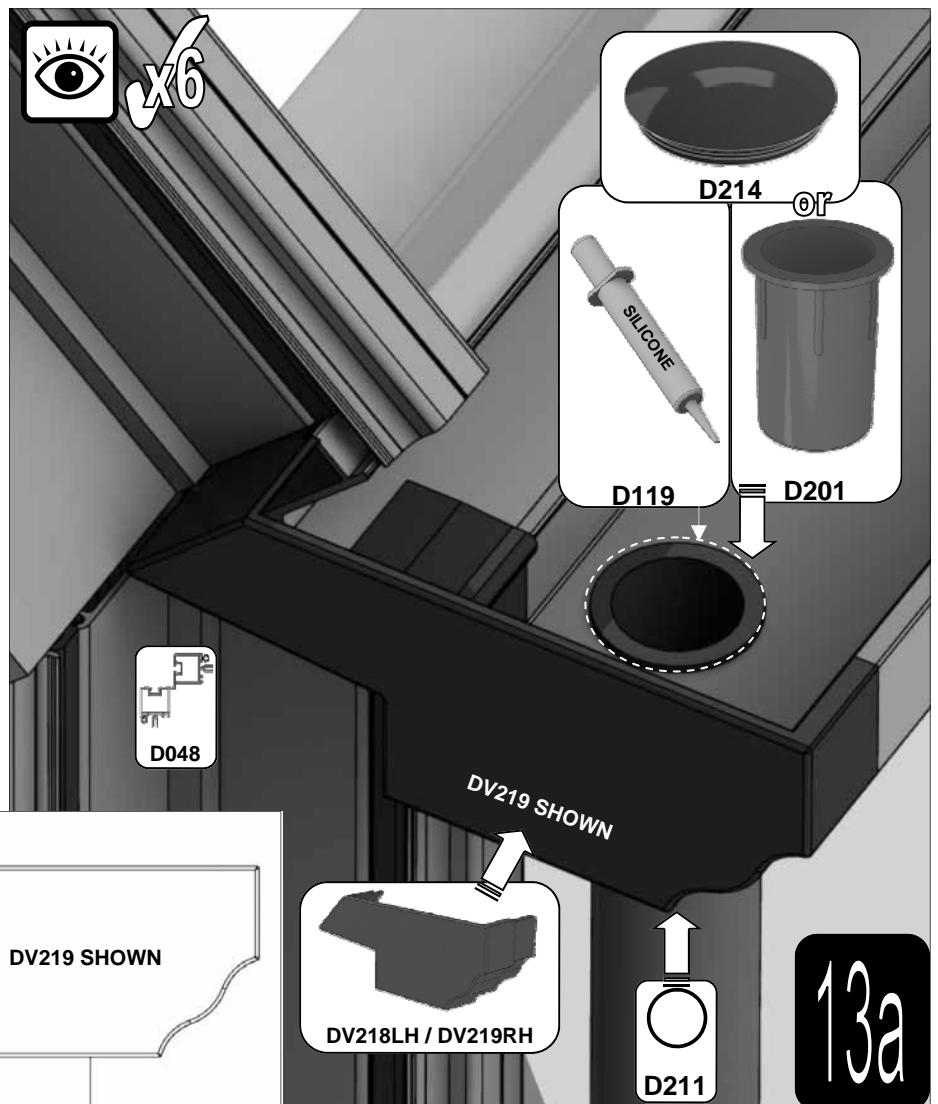
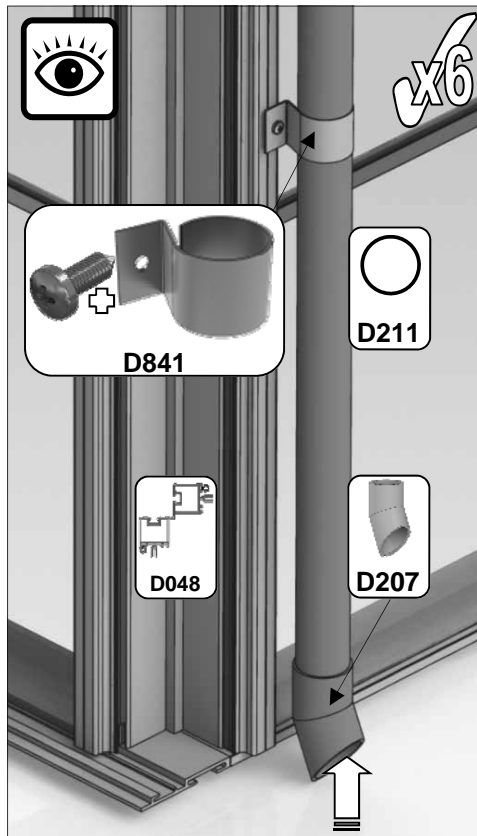
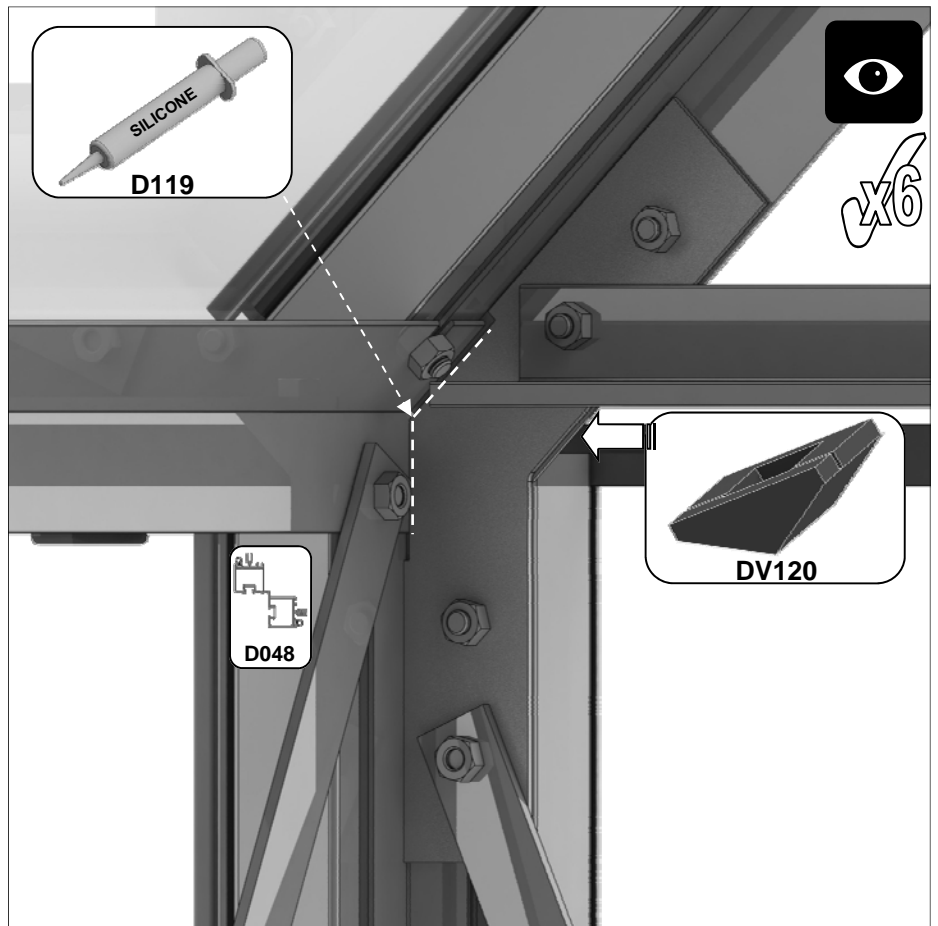
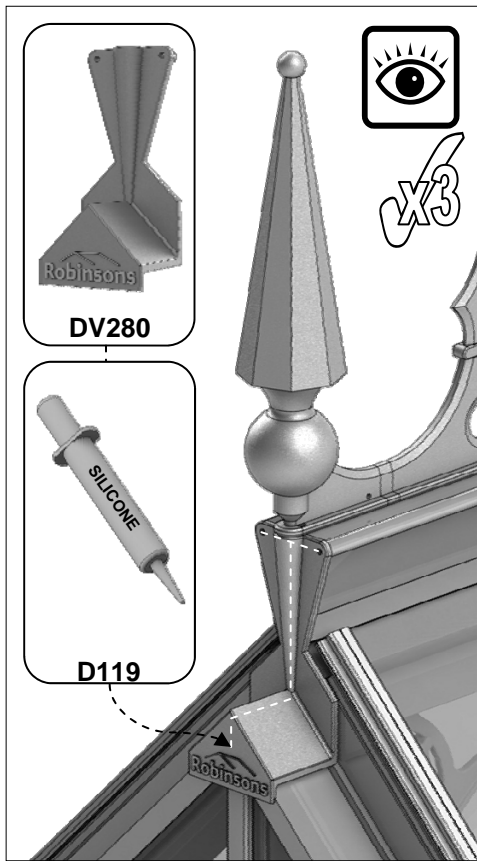


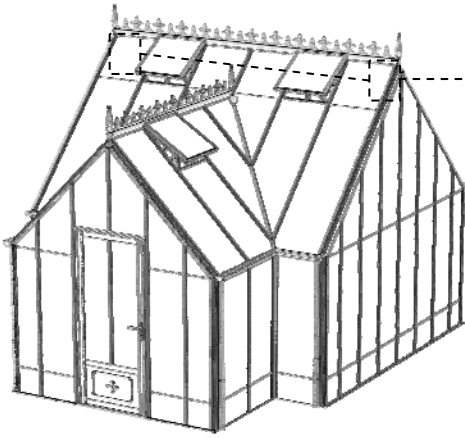




e.g.

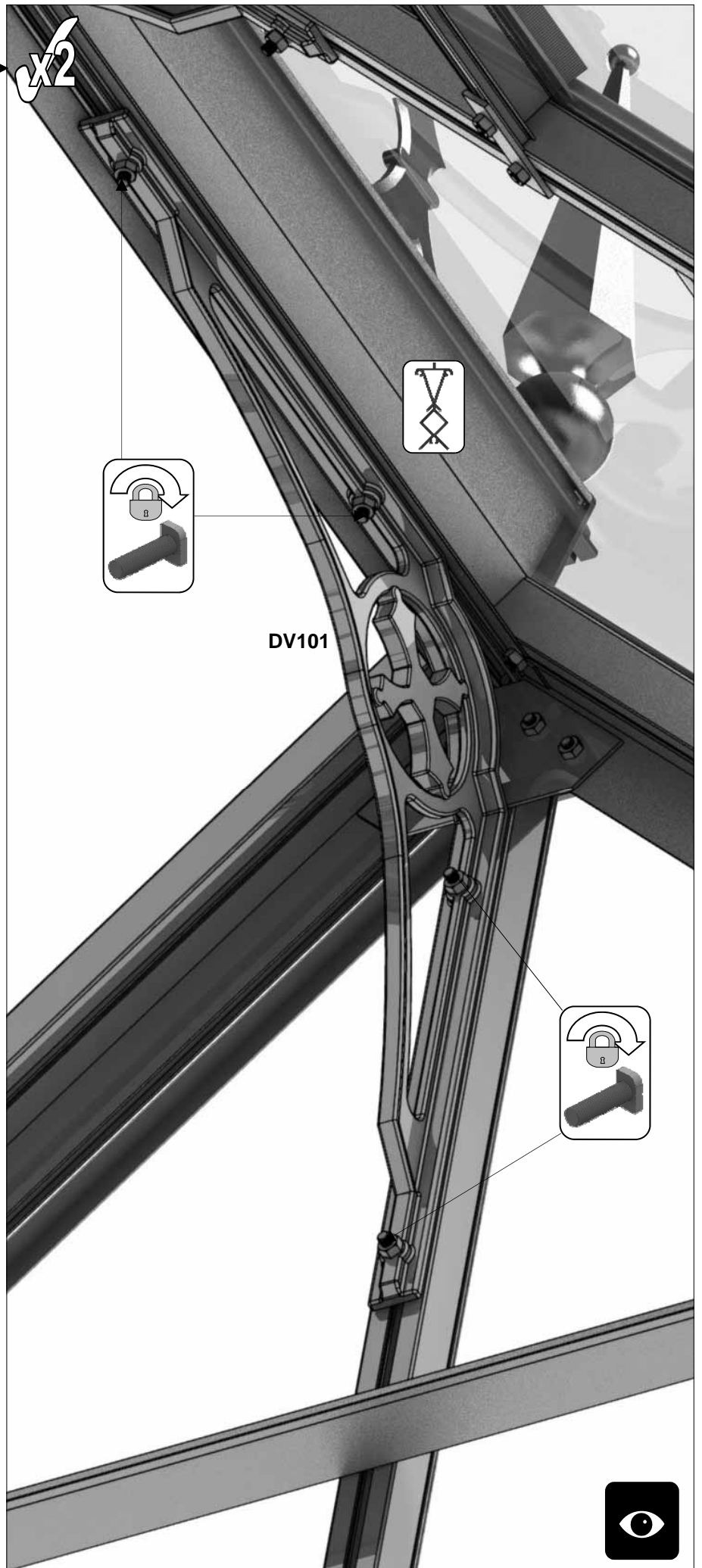


12





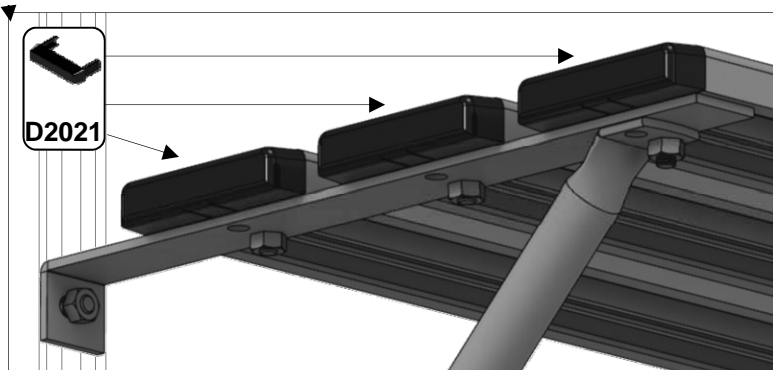
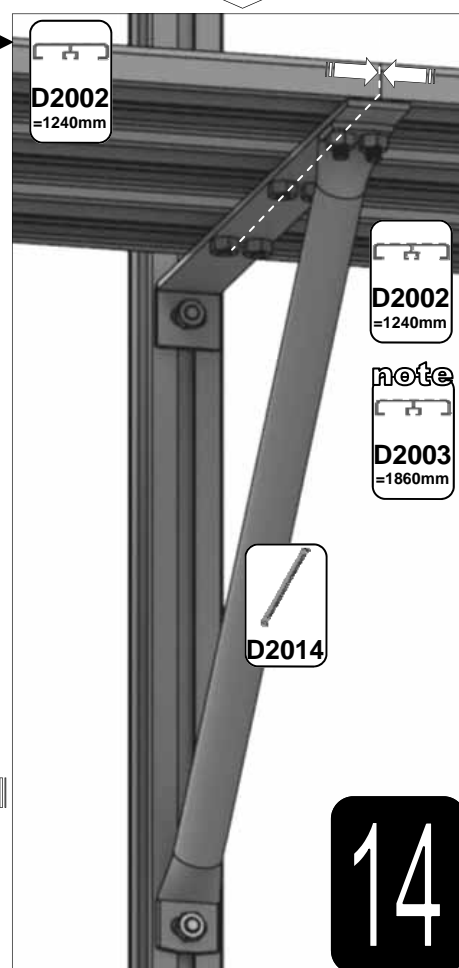
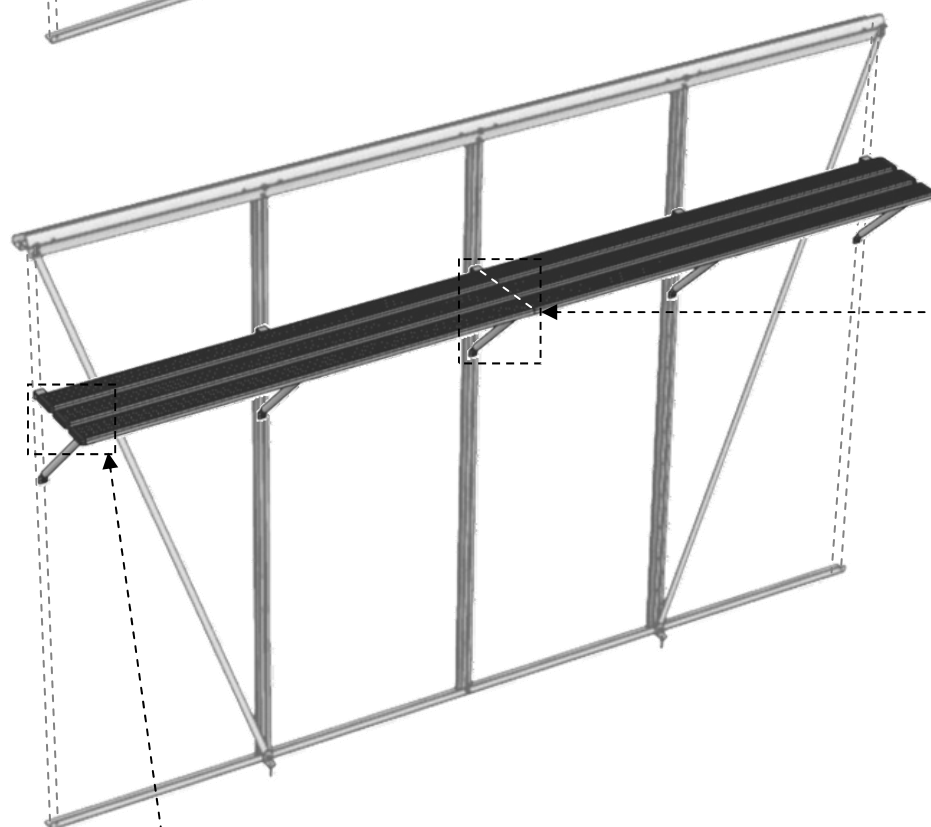
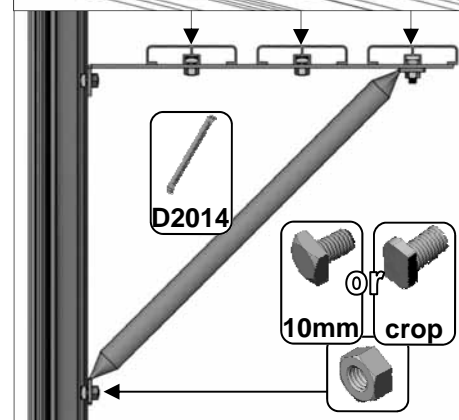
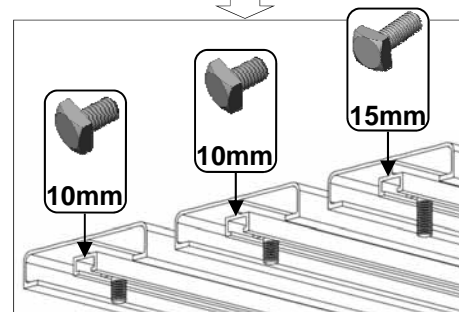
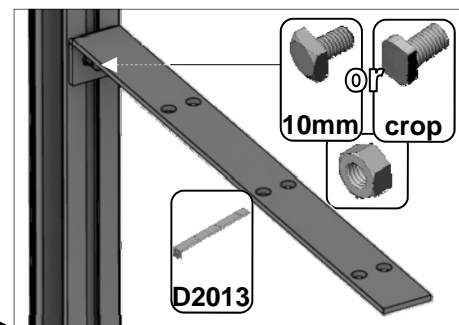
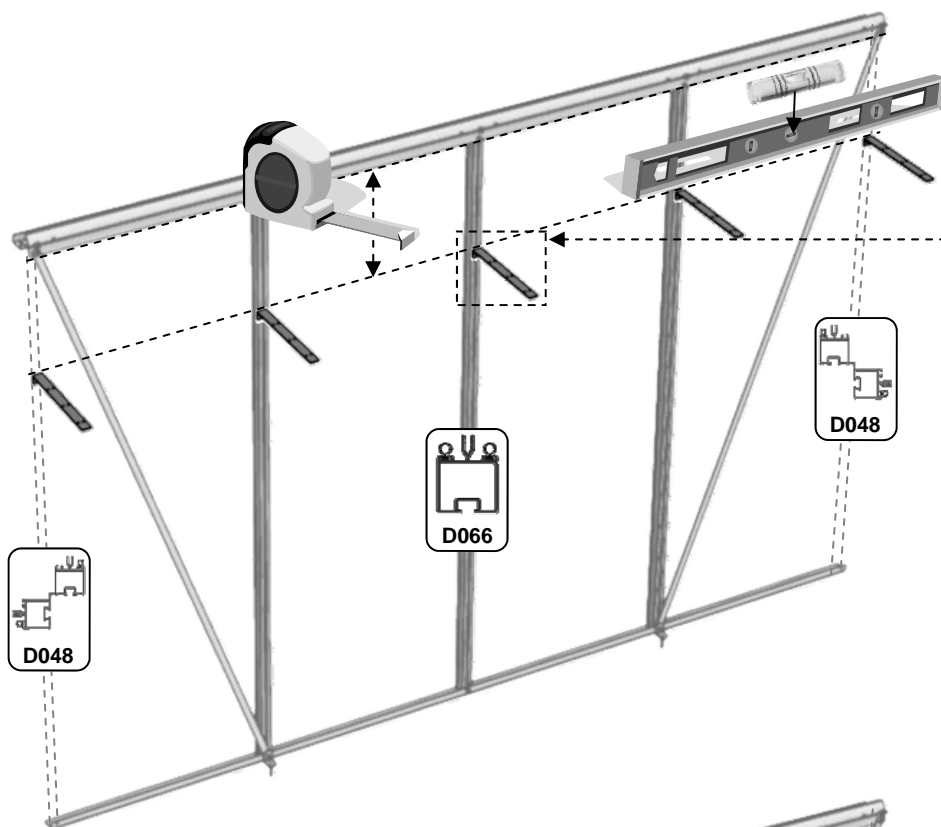
| Part No | | Quantity |
|--------------------|---|----------|
| SYBOLM6 X22CROP |  | 8 |
| SYNUTM6 |  | 8 |



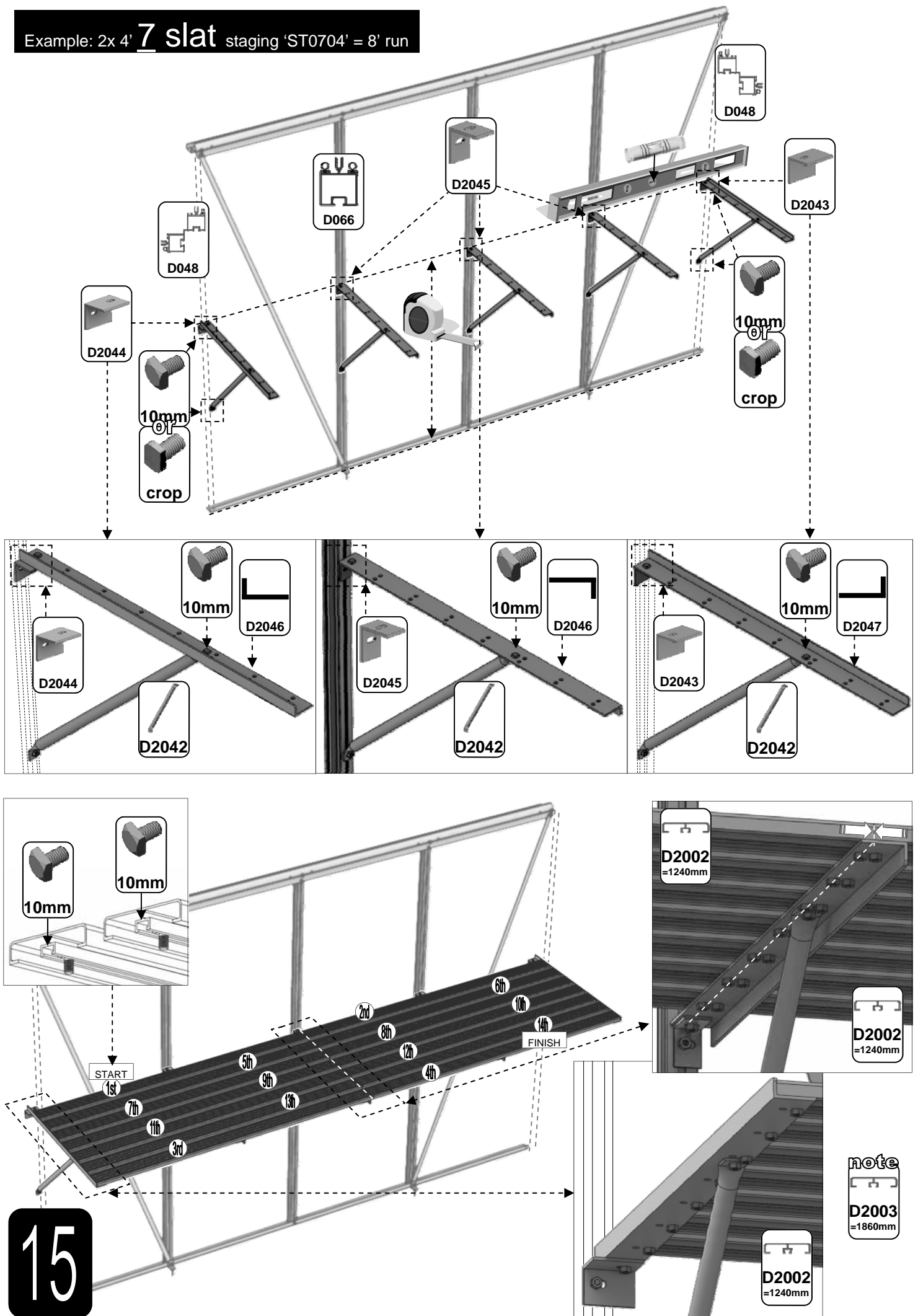
13b



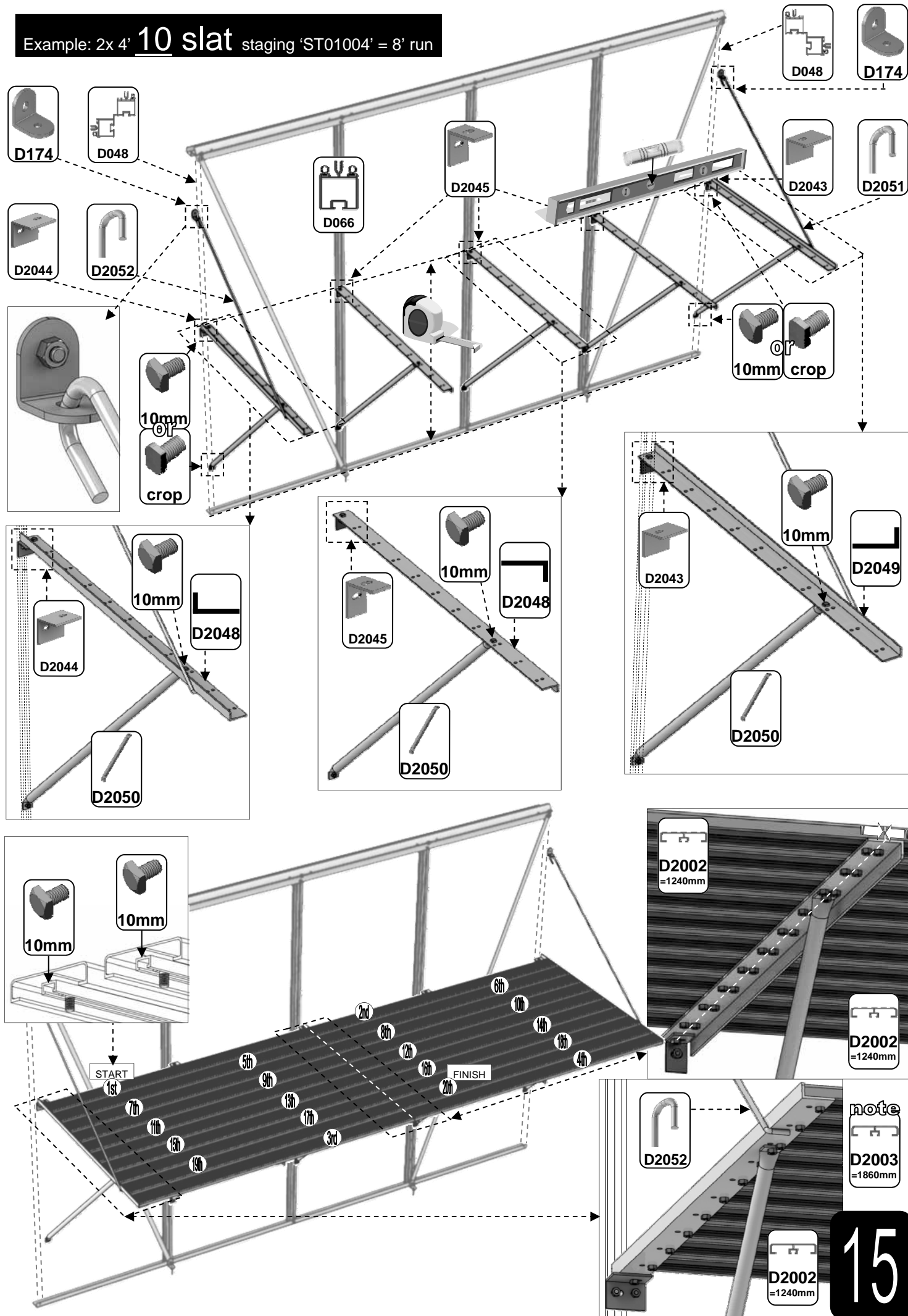
Example: 2x 4' **3** slat shelves 'ST0304' = 8' run

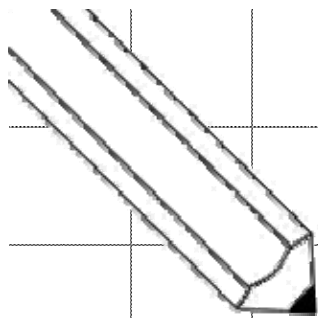


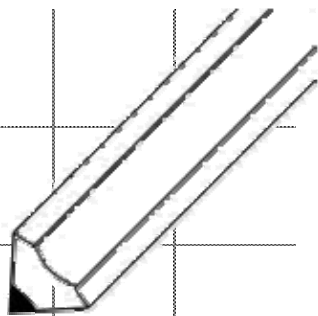
Example: 2x 4' **7** slat staging 'ST0704' = 8' run



Example: 2x 4' **10 slat** staging 'ST01004' = 8' run







Please be aware that this is a new 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. In addition any photographs of completed buildings would be most appreciated to add to our portfolio.

THIS GREENHOUSE BOX WAS PACKED BY:

DATE:_____



www.robinsonsgreenhouses.co.uk

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