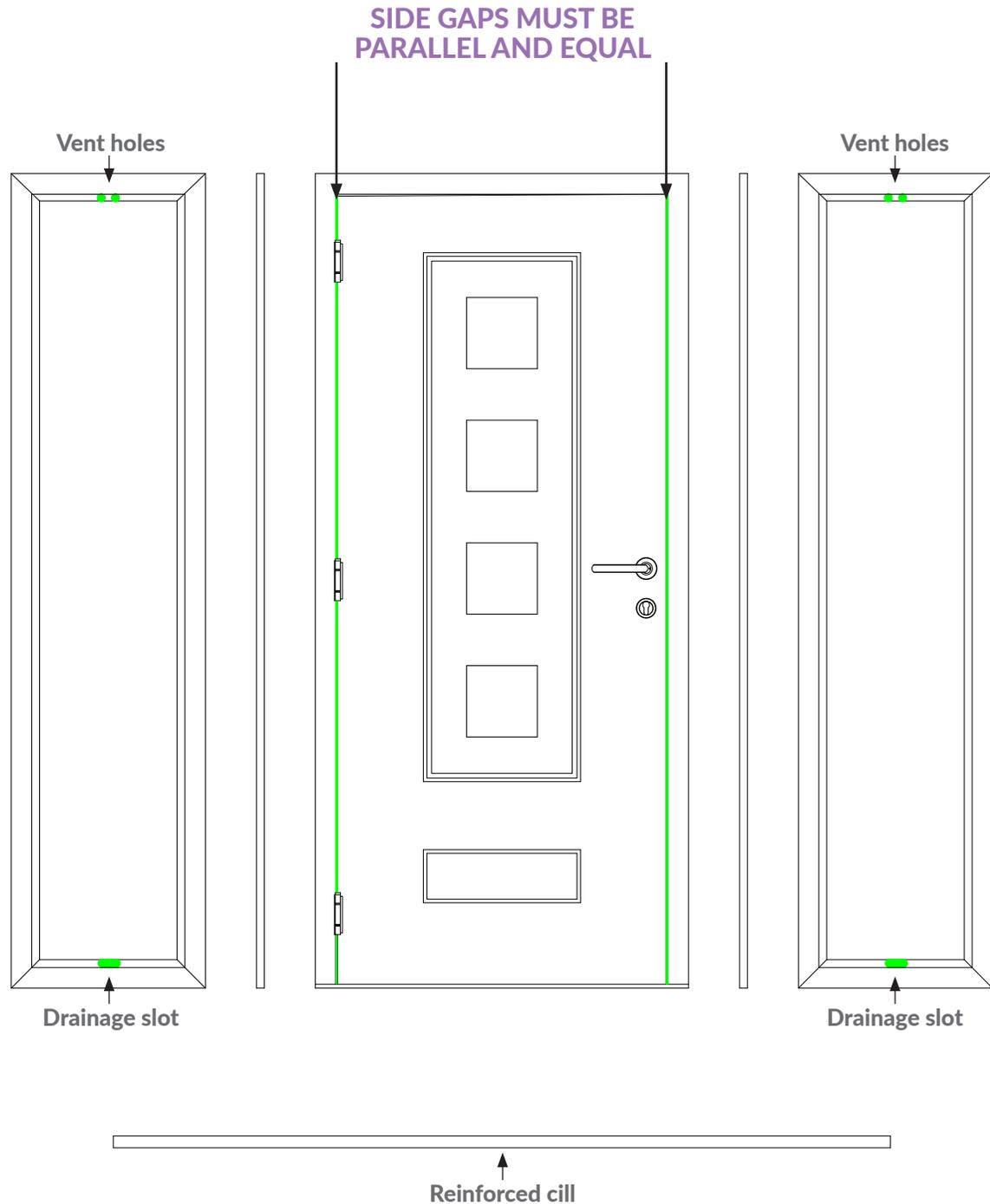


SIDE FRAME INSTALLATION GUIDE



Five Star Installation Guide.

Frame orientation.

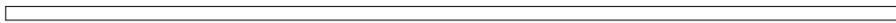
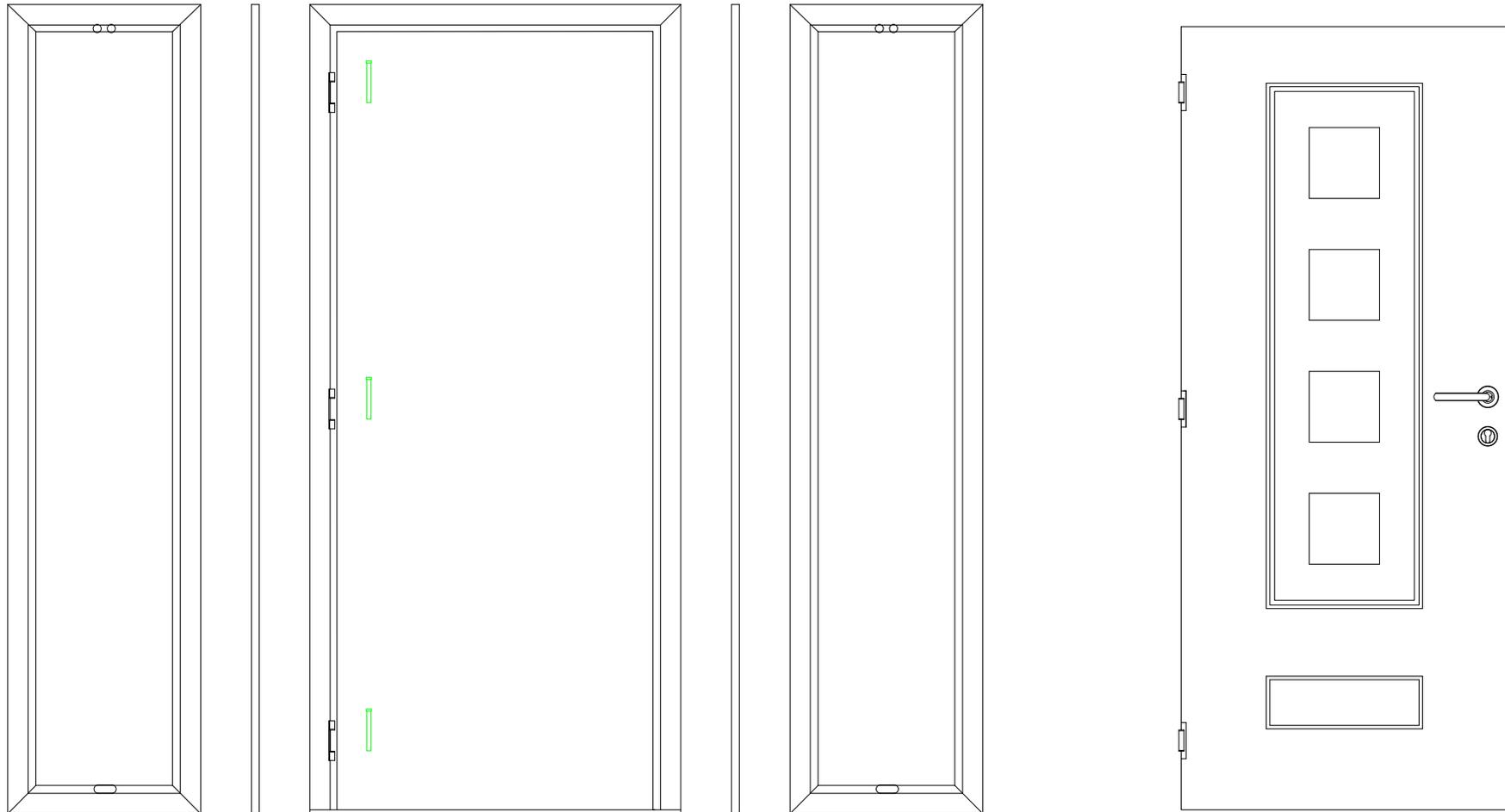


Check the side gaps are parallel and equal.

Check the side frames are the correct way round, with the vent holes at the top and the drainage slots at the bottom.

INSIDE VIEW

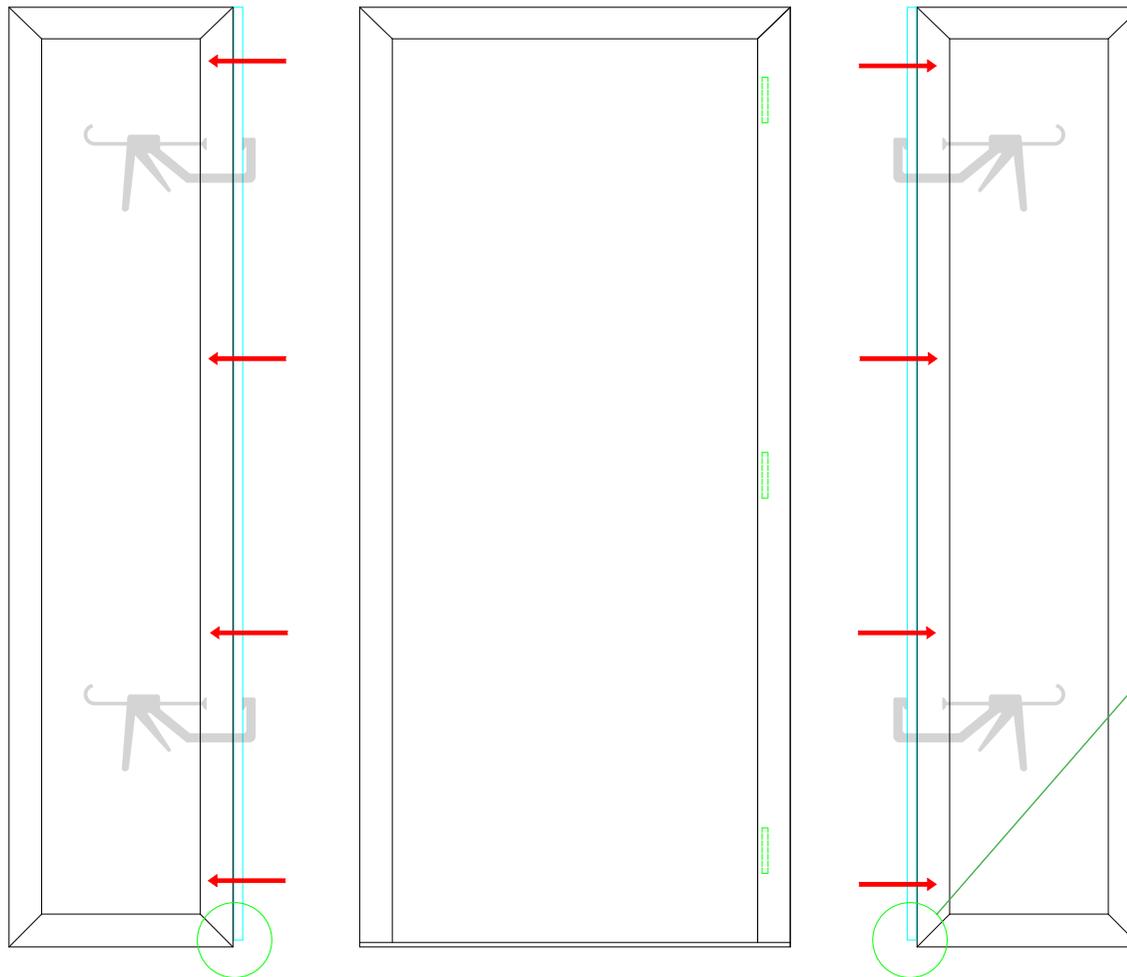
Remove the Rockdoor sash.



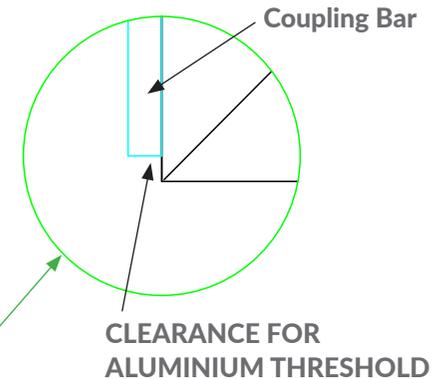
INSIDE VIEW

Remove the Rockdoor sash by taking out the hinge pins and then put the sash in a safe place. A good place is inside the property next to where it is going to be installed. Ensure the rubber gaskets are not damaged.

Fix the coupling bar to the side frame.

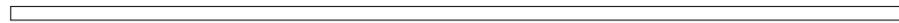


Position the aluminium coupling bar on the side frame, If the door frame has a low aluminium threshold trim 15mm off to ensure it fits correctly.

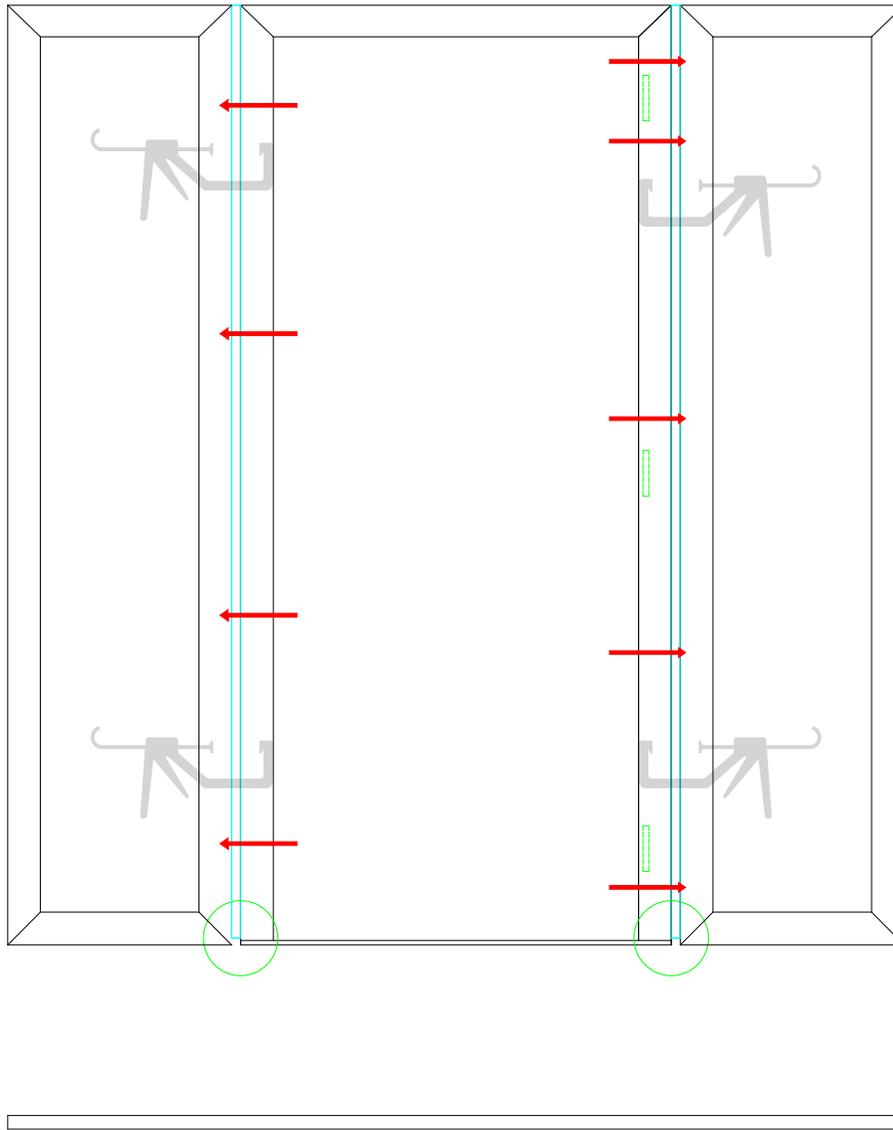


Use clamps to hold the coupling bar in place and fix the aluminium coupling bar to the side frame using a suitable fixing.

Fix at 150mm from the top of the frame and 150mm from the bottom and then at 600mm centres. (Min 4 per side)



Fix the side frames to the door frame.

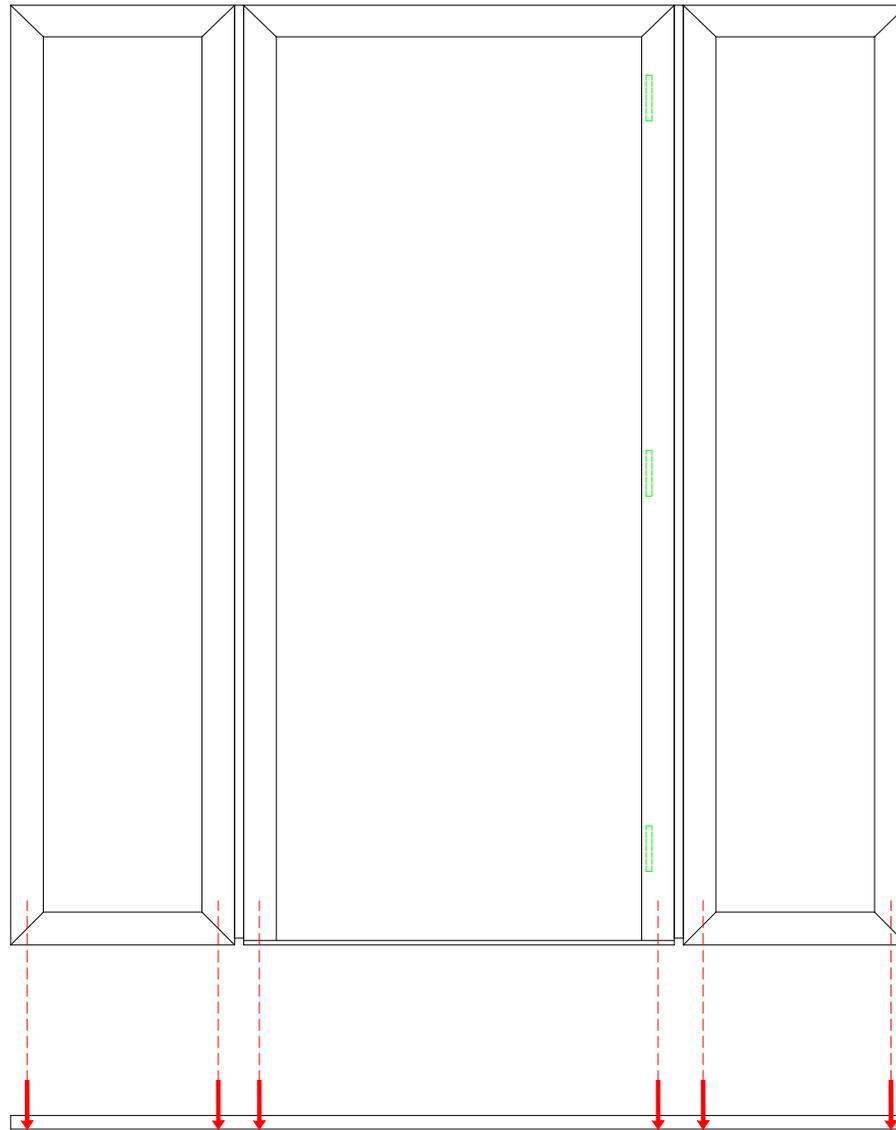


Use clamps to hold the coupling bar in place and fix the through the frame with 70mm bay pole screws to achieve a clamping effect on the coupling bar.

On the lock side, fix through the location holes in the keep.

On the hinge side, fix in five positions as indicated.

Weather proof the cill.



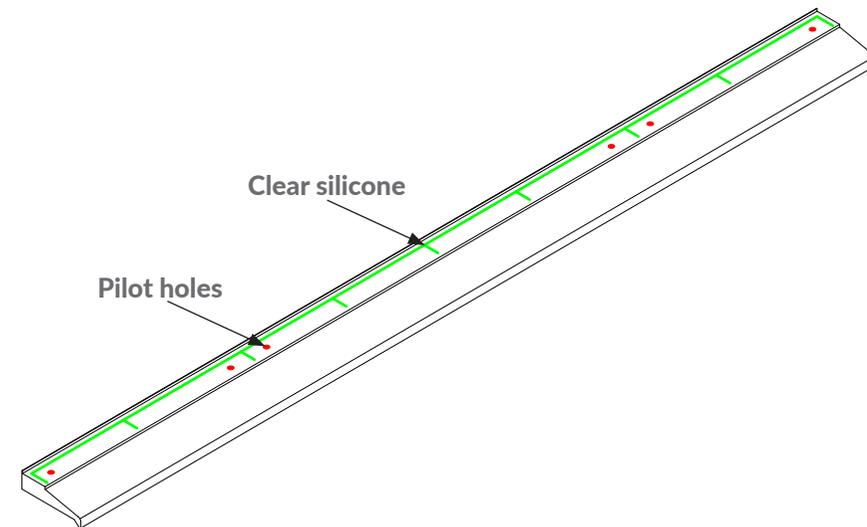
Pilot holes in line with the legs of the frame

A reinforced cill must be used on all side frame installations.

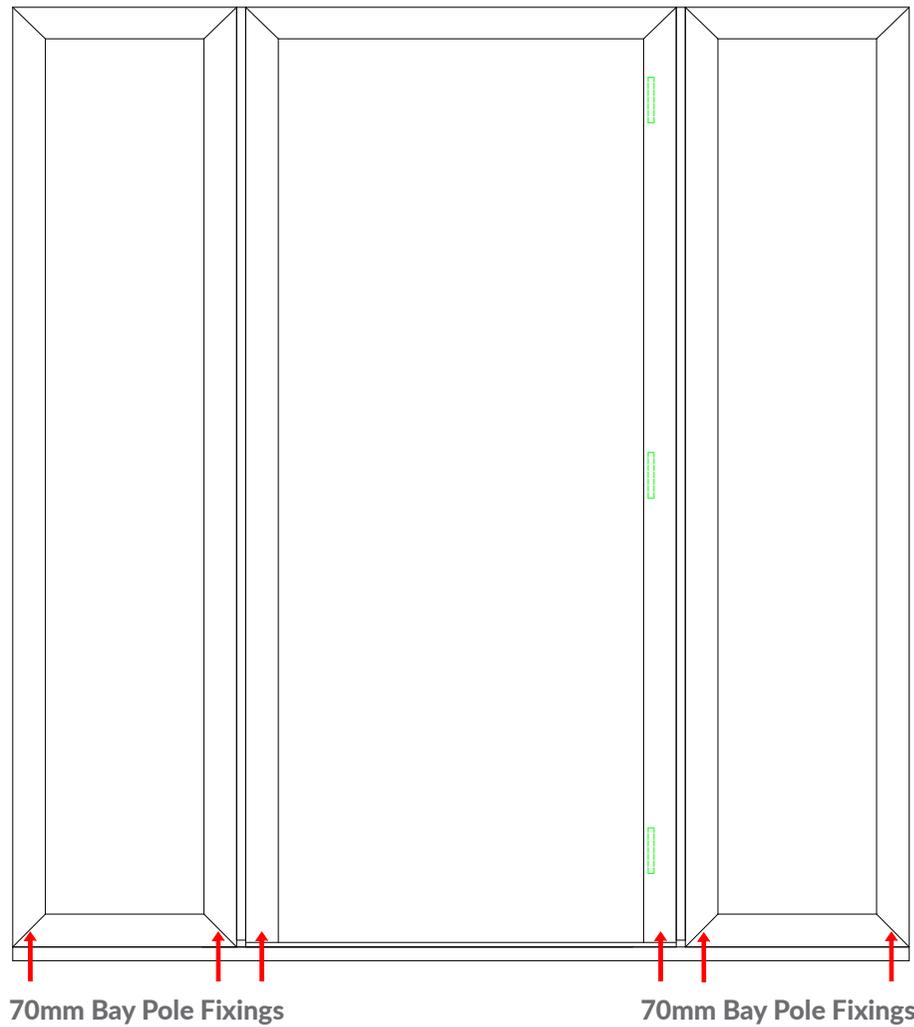
Drill pilot holes through the cill in line with the vertical legs of the frames.

Use clear silicone and apply a bead of silicone 10mm from the edge of the cill.

Create a ladder effect as indicated in the diagram below.

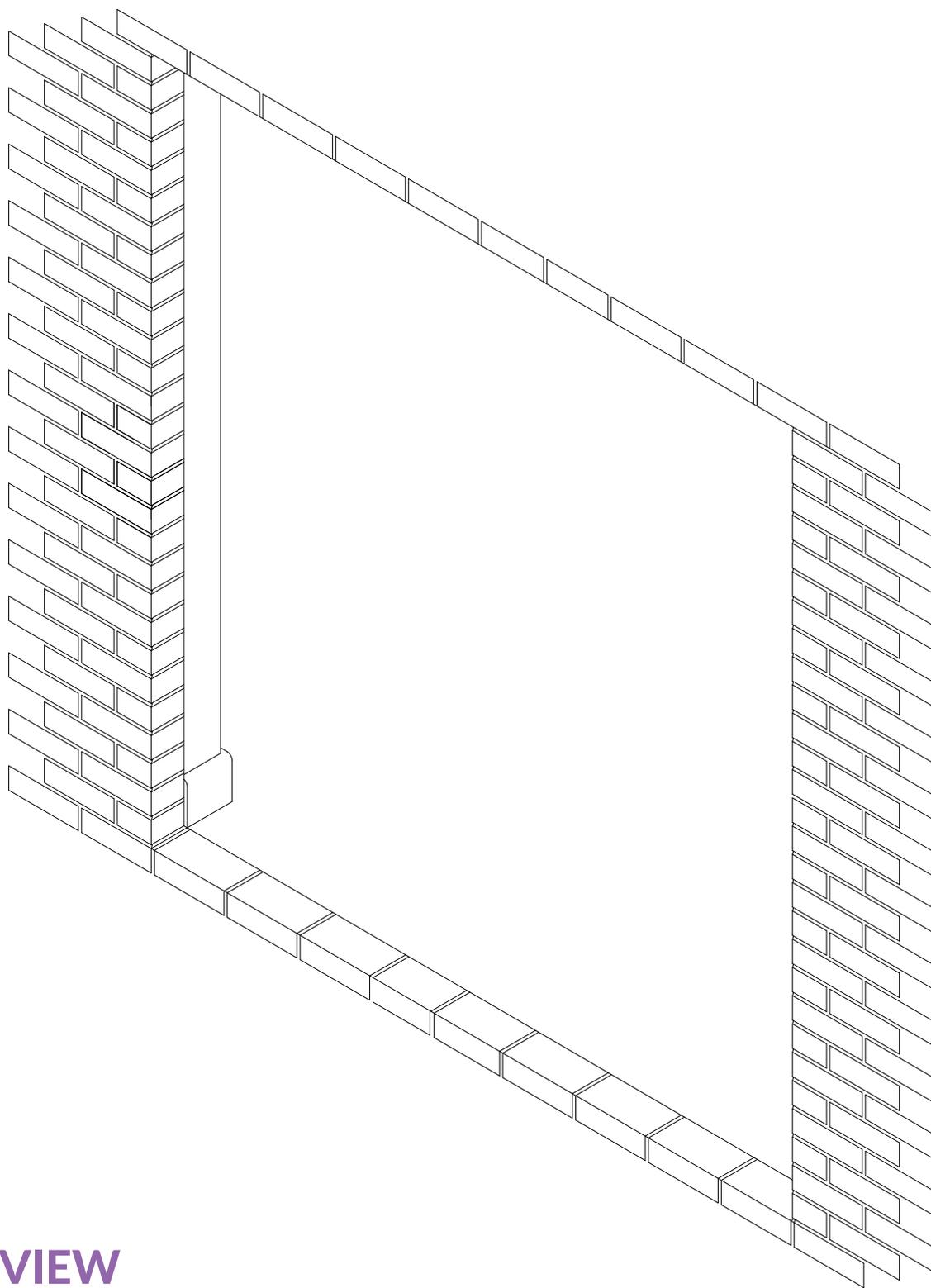


Secure the cill.



A reinforced cill must be used on all side frame installations.

Use 70mm bay pole fixings to attach through the cill into the main frame in the positions shown on the diagram.



Check to fit.

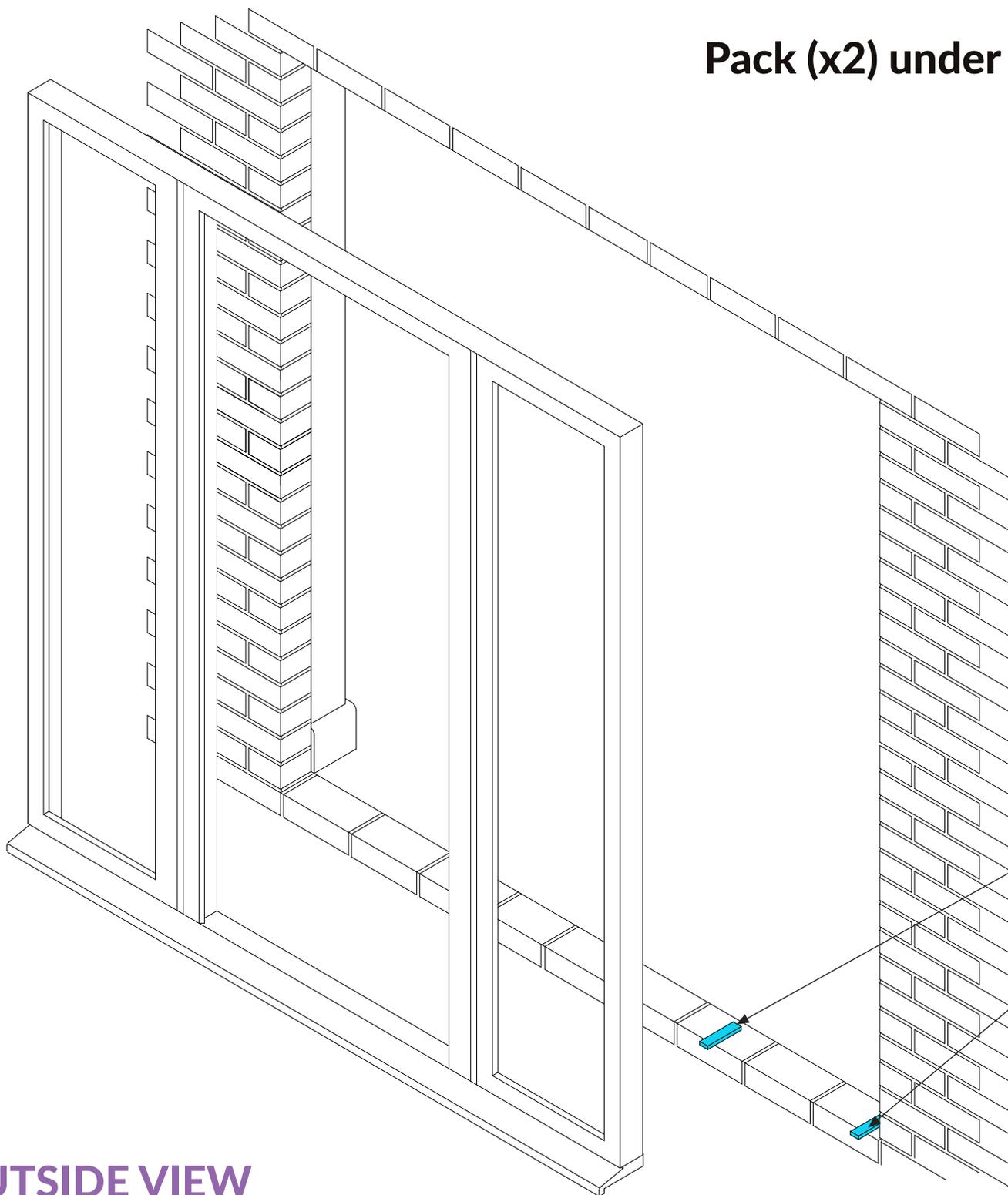


Check the assembled main frame will fit in to the opening.

Carefully remove the old frame.

Clean the brickwork ready for the new frame.

Pack (x2) under the hinge side of the frame.



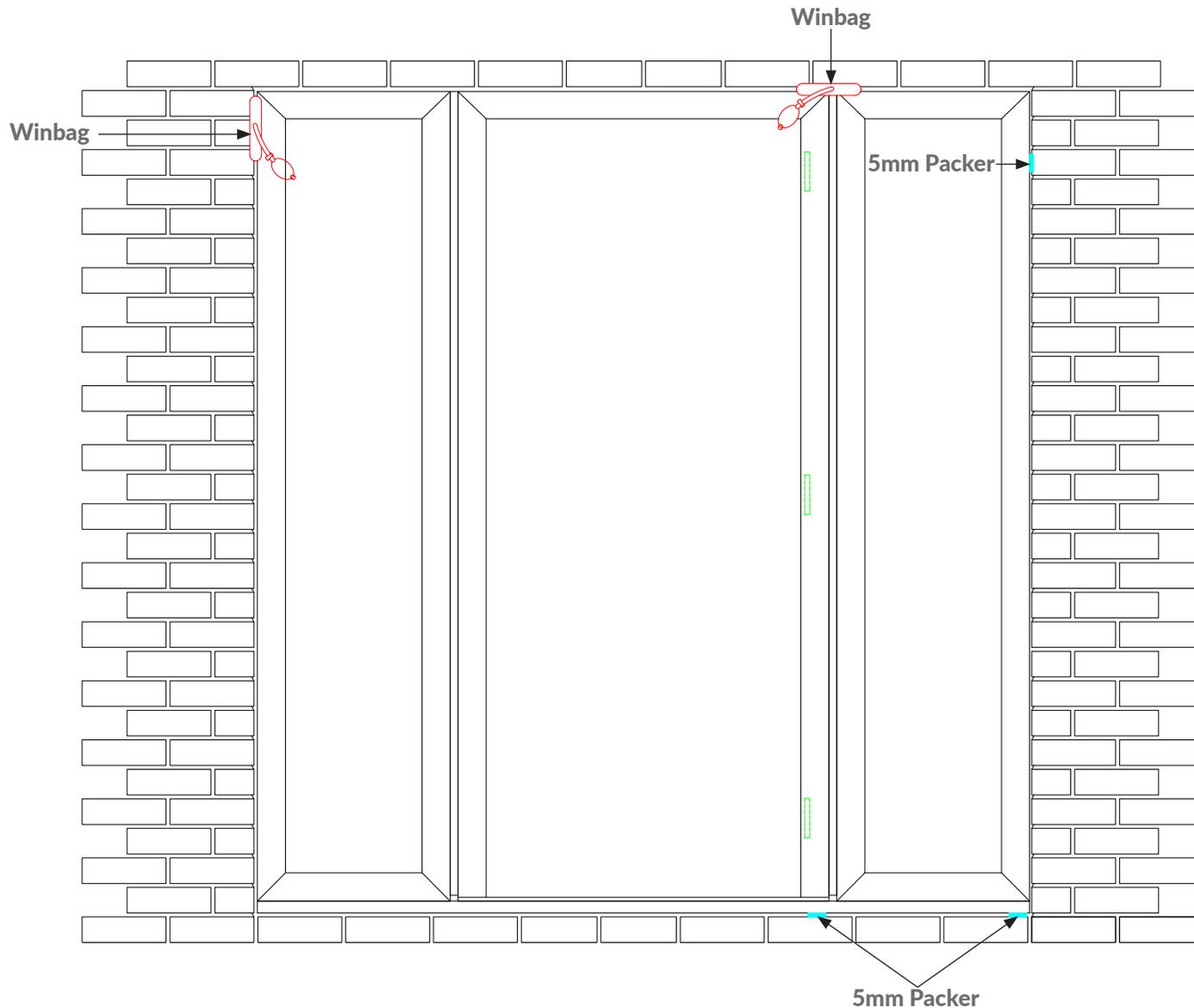
Place a 5mm packer on the base, in line with where the hinge side leg of the door frame will sit.

Place a 5mm packer on the base, in line with where the leg of the side frame will sit.

Offer the assembled frame carefully into the aperture.

OUTSIDE VIEW

Holding the frame in position with winbags.



Place a winbag directly over the hinge side leg of the main frame in line with the packer and inflate to hold the frame in position.

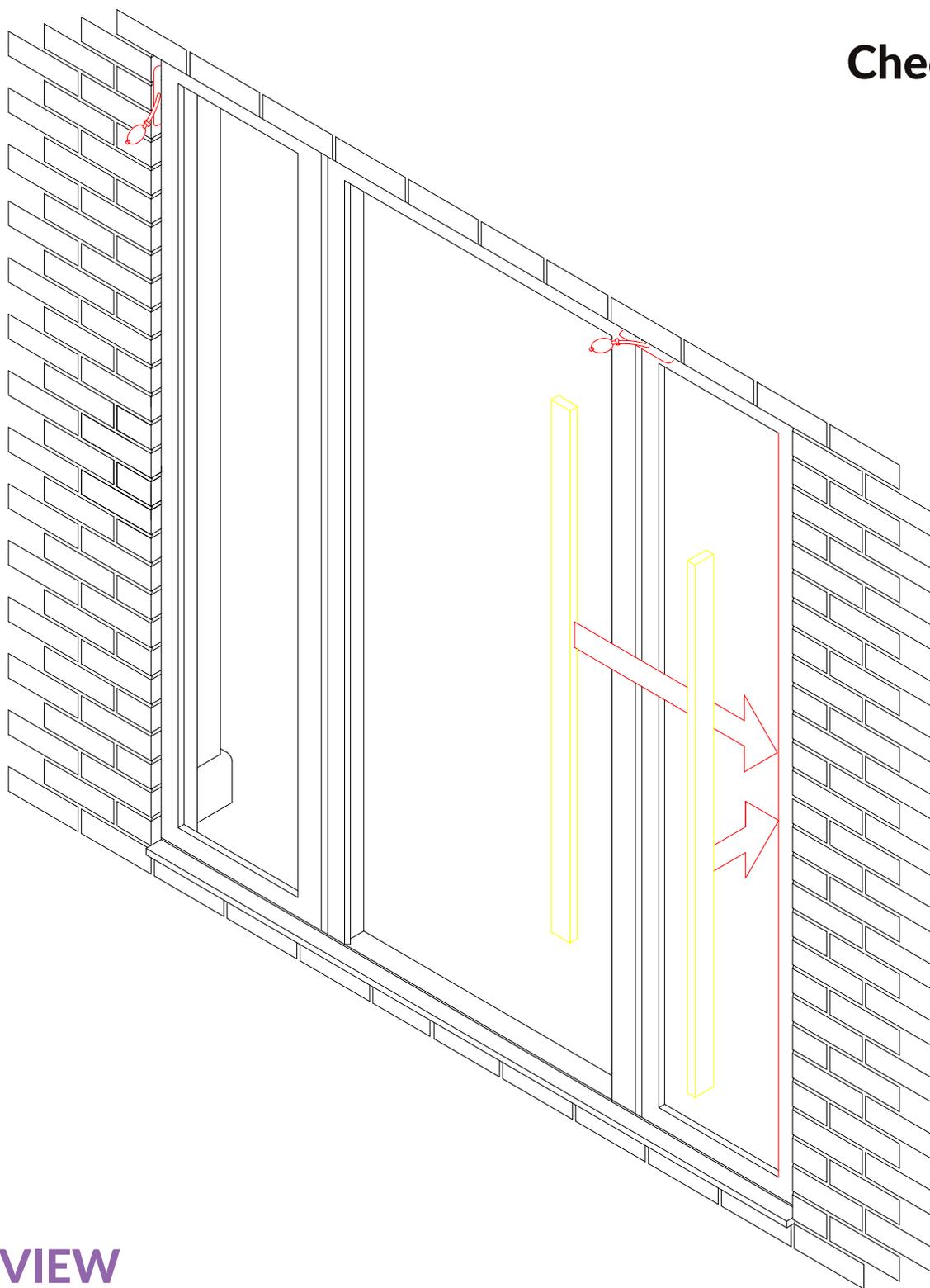
In line with a full brick 150-250mm down from the head of the main frame, insert a 5mm packer between the frame and the brickwork.

On the opposite side of the main frame, inflate a winbag to tighten the frame, trapping the 5mm packer in place.

Check the hinge side for plumb.

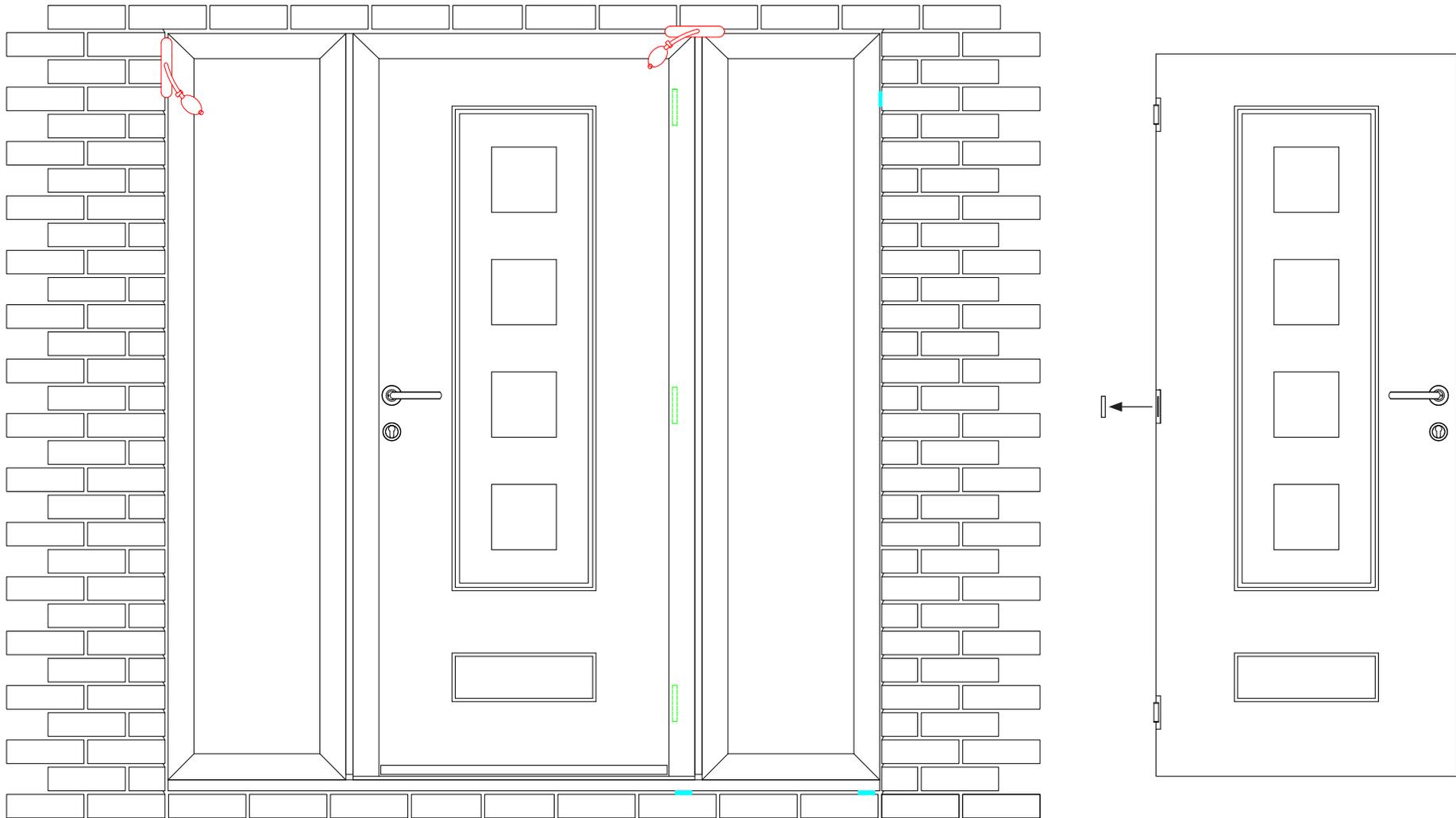


With a spirit level, check both the front face and the rebate face of the main frame on the hinge side of the frame for plumb and pack as necessary.



OUTSIDE VIEW

Rehang the Rockdoor sash into the main frame.



It makes it easier to align if you remove the centre plate of the hinge using a 4mm allen key. Once the sash is in place, insert the top and the bottom pins. Then refit the plate and then insert the middle pin.

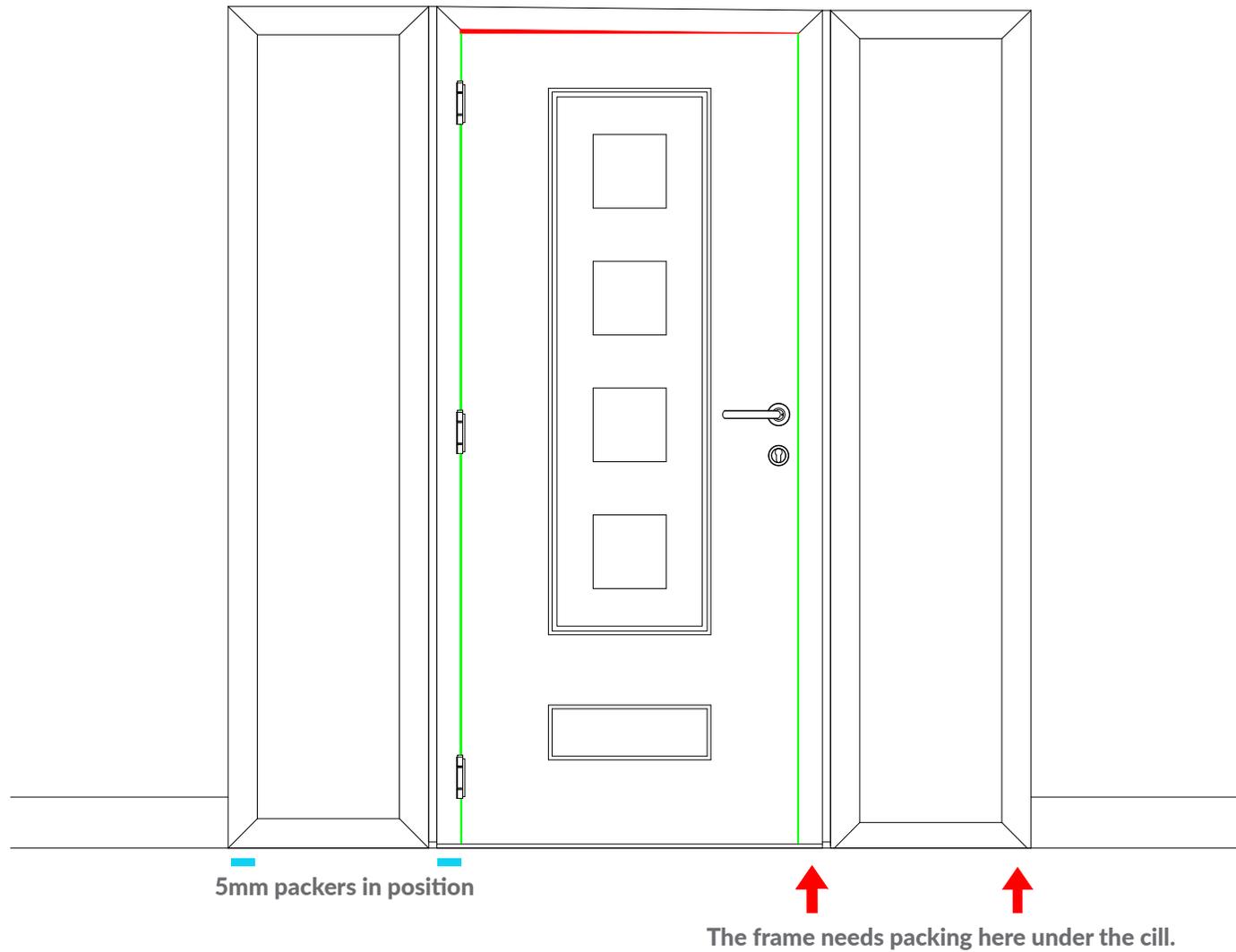
Check the head gap.



The side gaps should still be parallel.

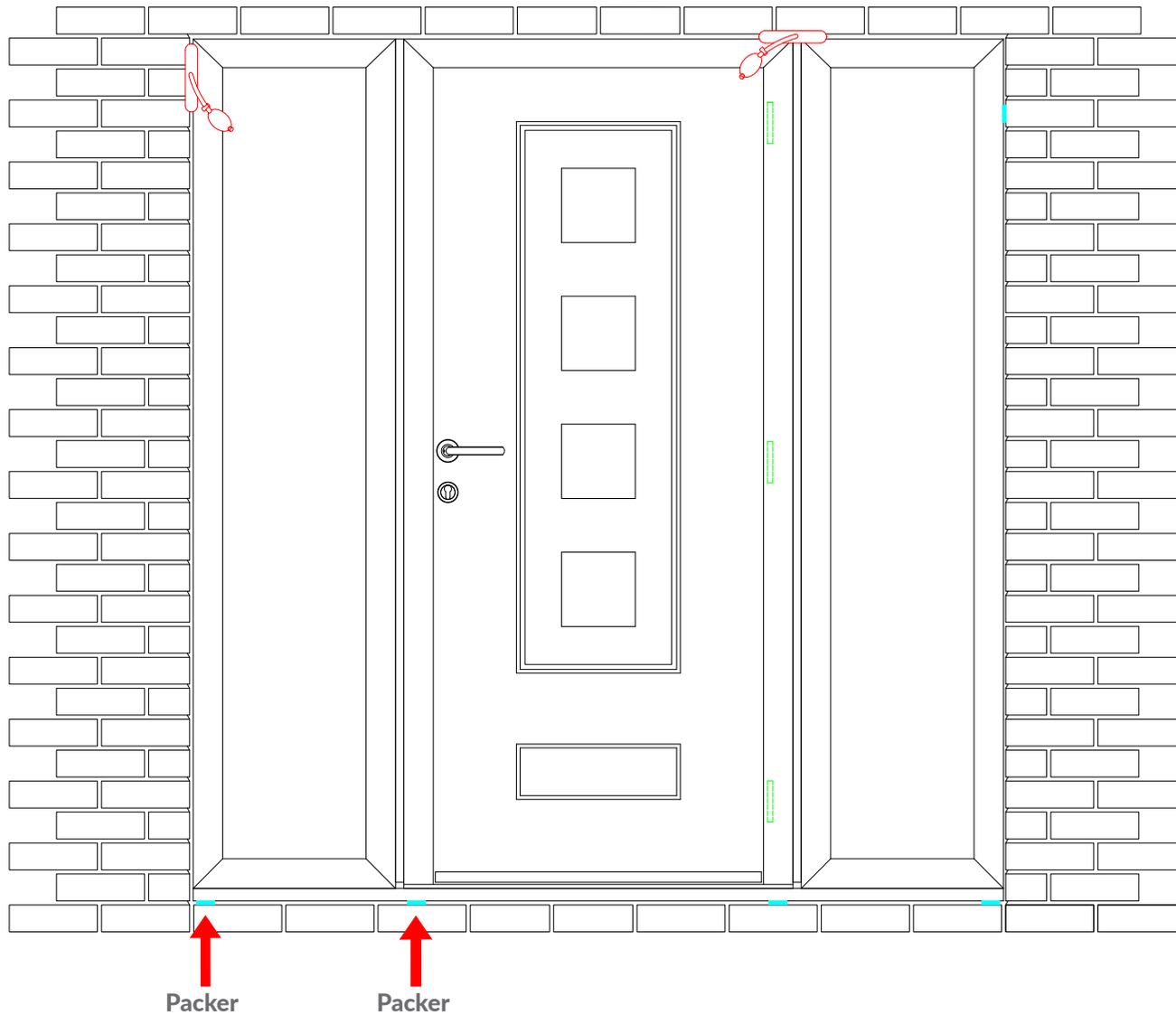
Check the head gap.

Using the sash, set the air gaps so they are parallel and equal.



INSIDE VIEW

Pack up the lock side.



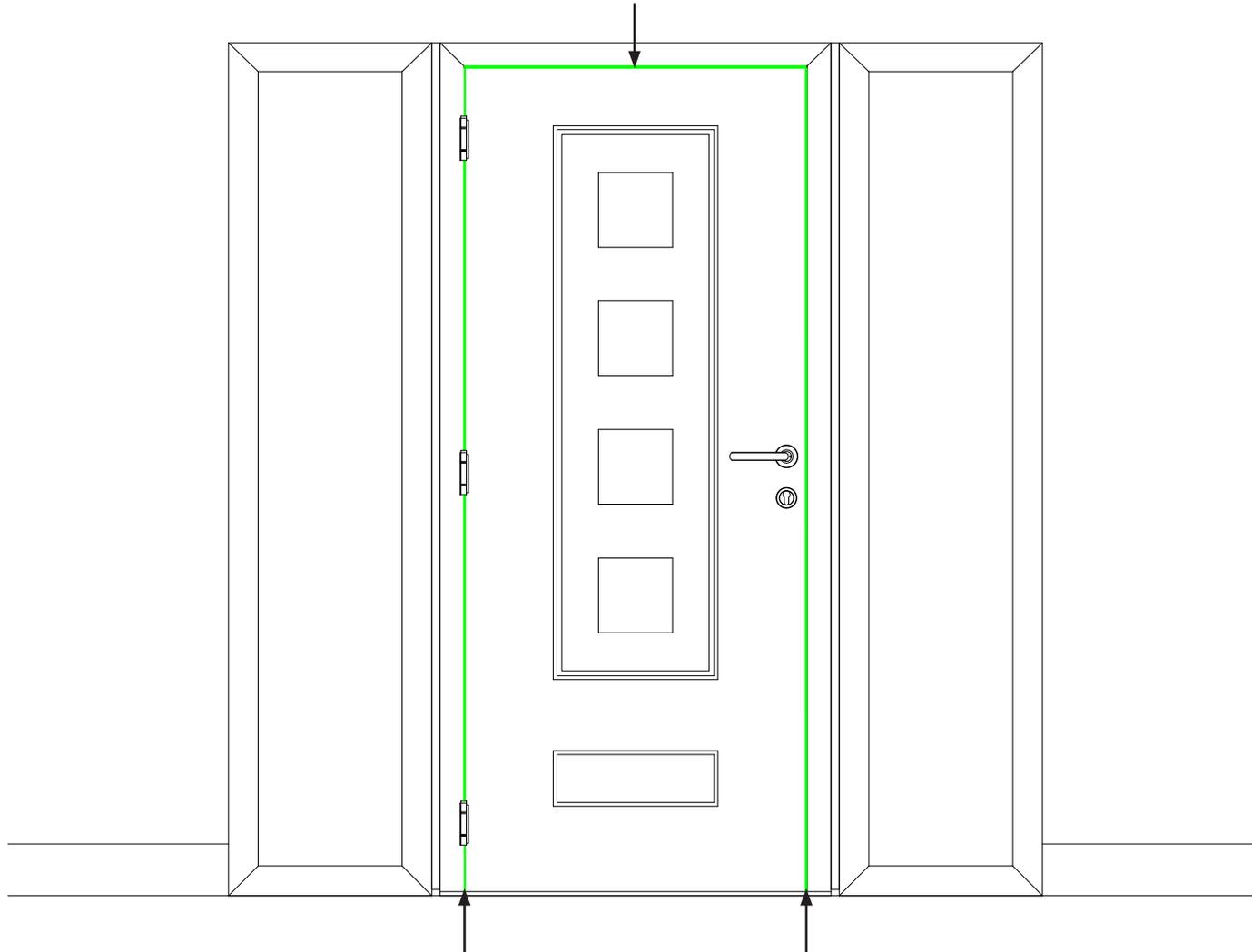
Place a packer under the cill in line with the frame leg on the lock side to lift the frame up. Check that the head gap inside is parallel, if it is not, repack with a different thickness packer until the head gap is parallel.

Pack using appropriate packer on the side frame leg once the head gap is parallel.

The head gap and side gaps must be parallel before you continue.



HEAD GAP MUST BE PARALLEL



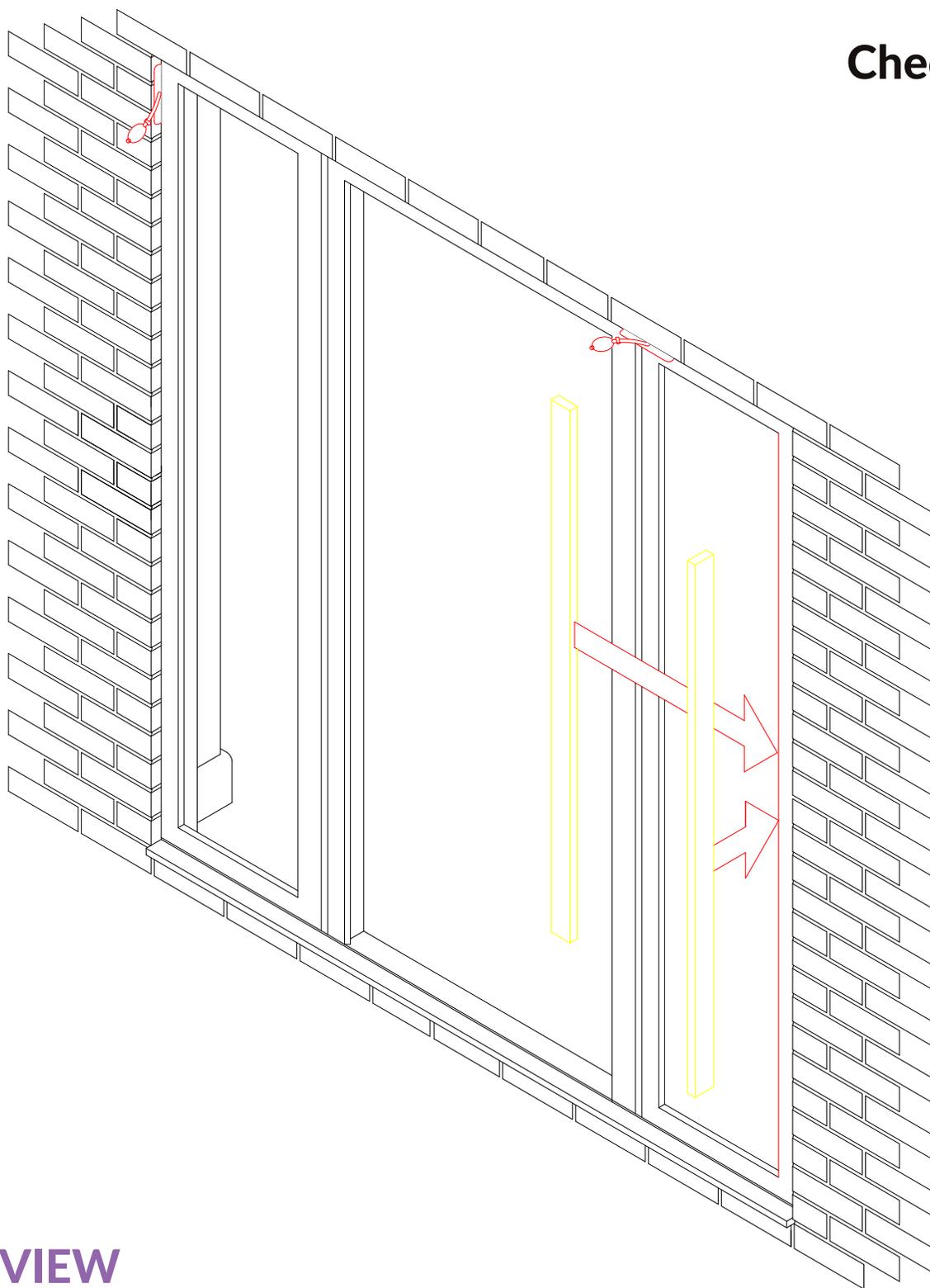
SIDE GAPS MUST BE PARALLEL

INSIDE VIEW

Check the hinge side for plumb.



With a spirit level, check both the front face and the rebate face of the profile on the hinge side of the main frame for plumb.

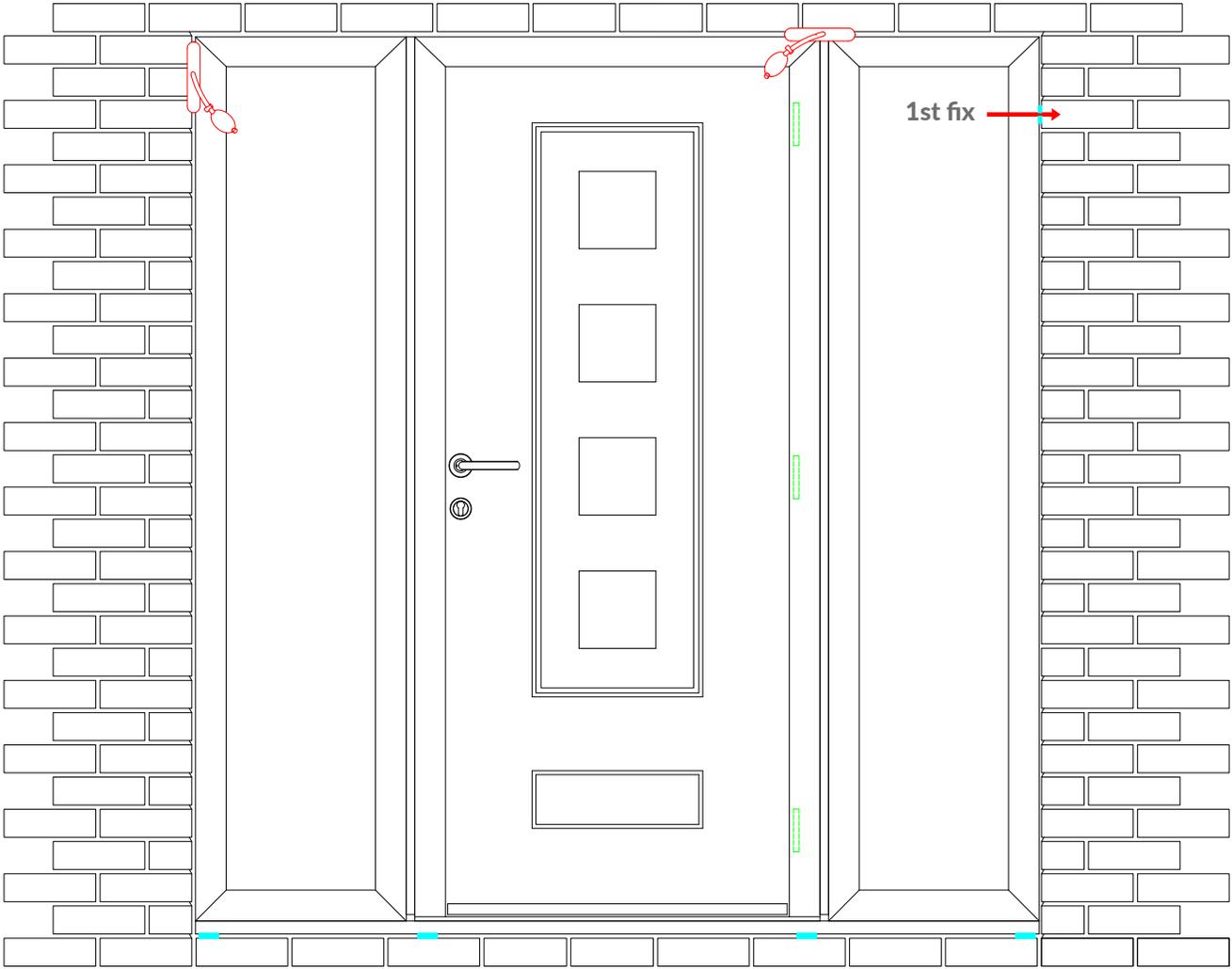


OUTSIDE VIEW

The first fix.



Make the first fixing into a full brick through a packer at 150mm-250mm from external top corner of the frame.

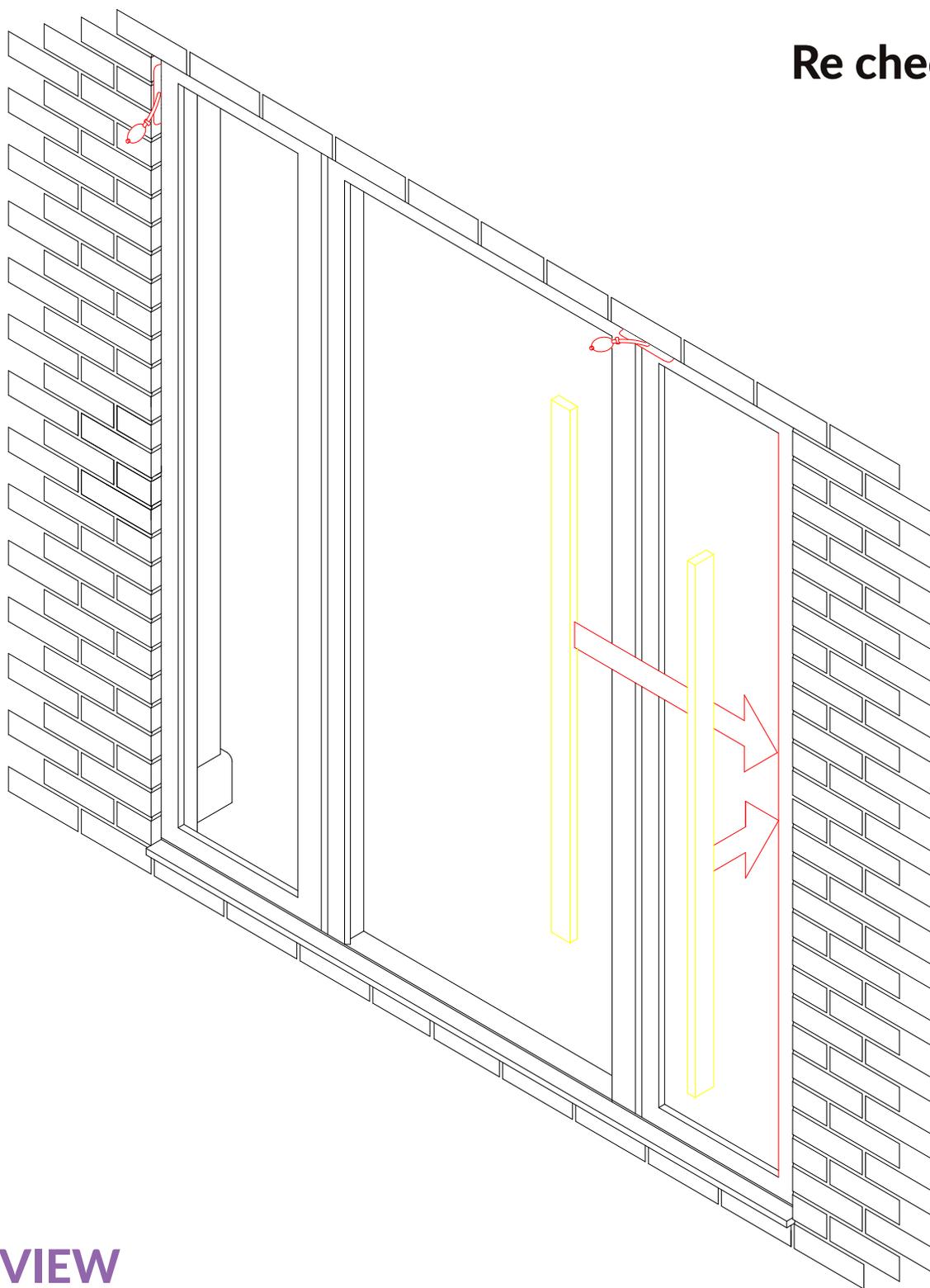


OUTSIDE VIEW

Re check the hinge side for plumb.

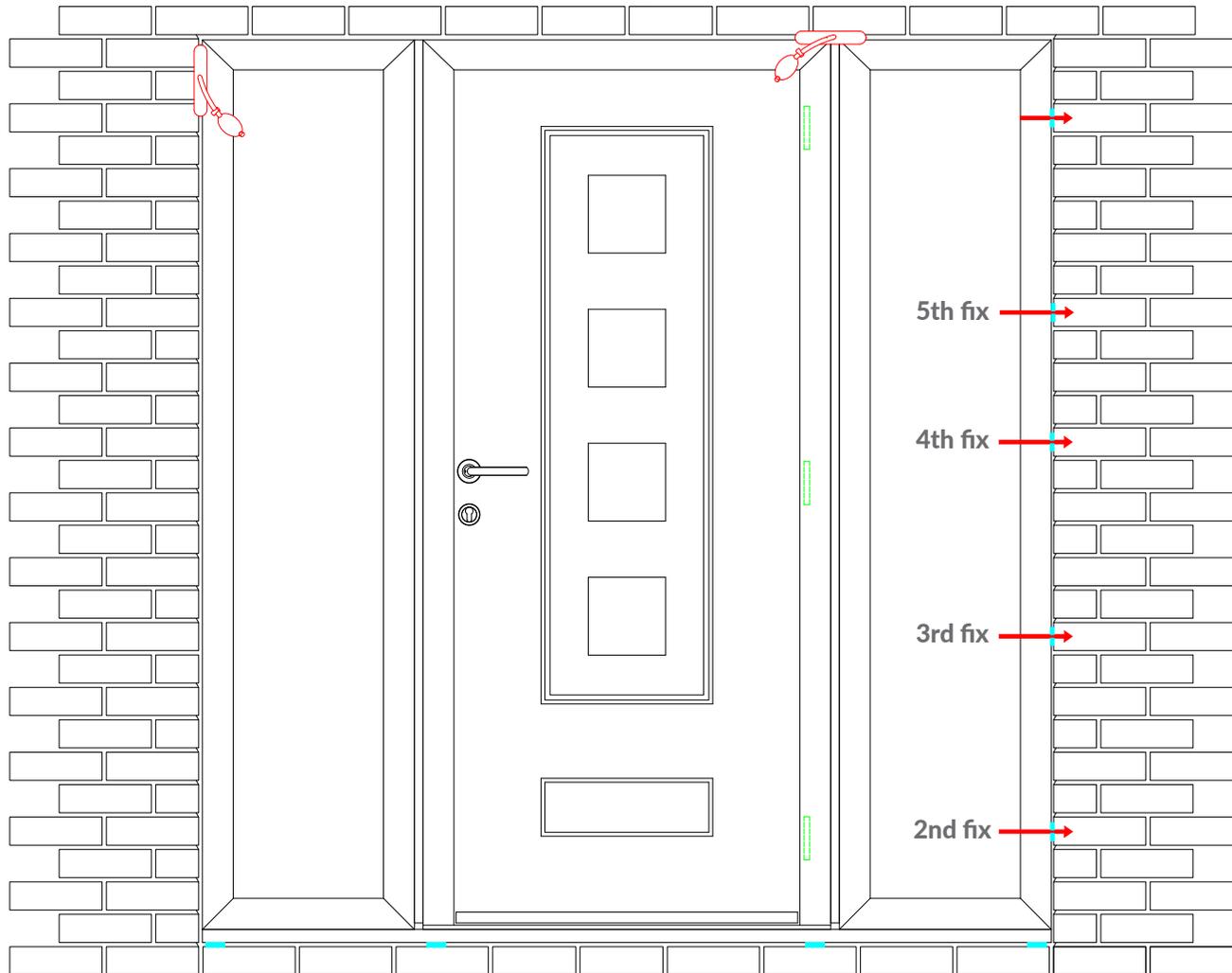


With a spirit level, check both the front face and the rebate face of the profile on the hinge side of the main frame for plumb.



OUTSIDE VIEW

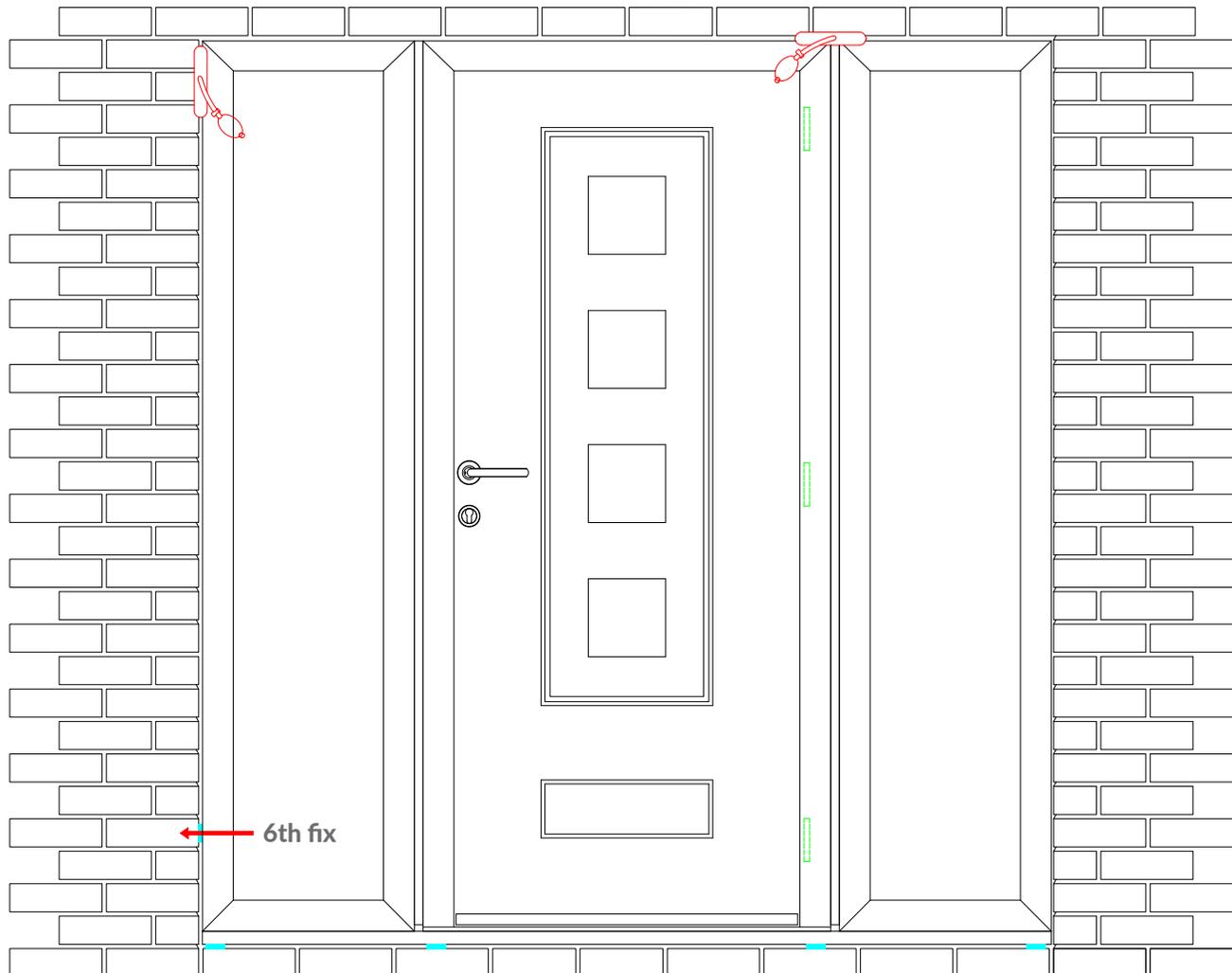
The next four fixings.



Make the second fixing into a full brick through a packer at approximately 150mm from the bottom of the frame.

The remaining three fixings should be made at no more than 600mm centres and through packers into a full brick.

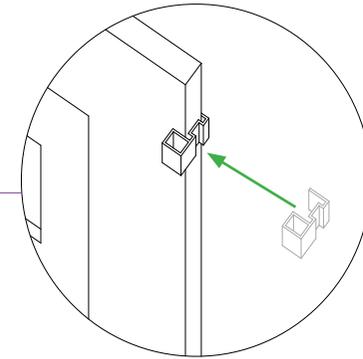
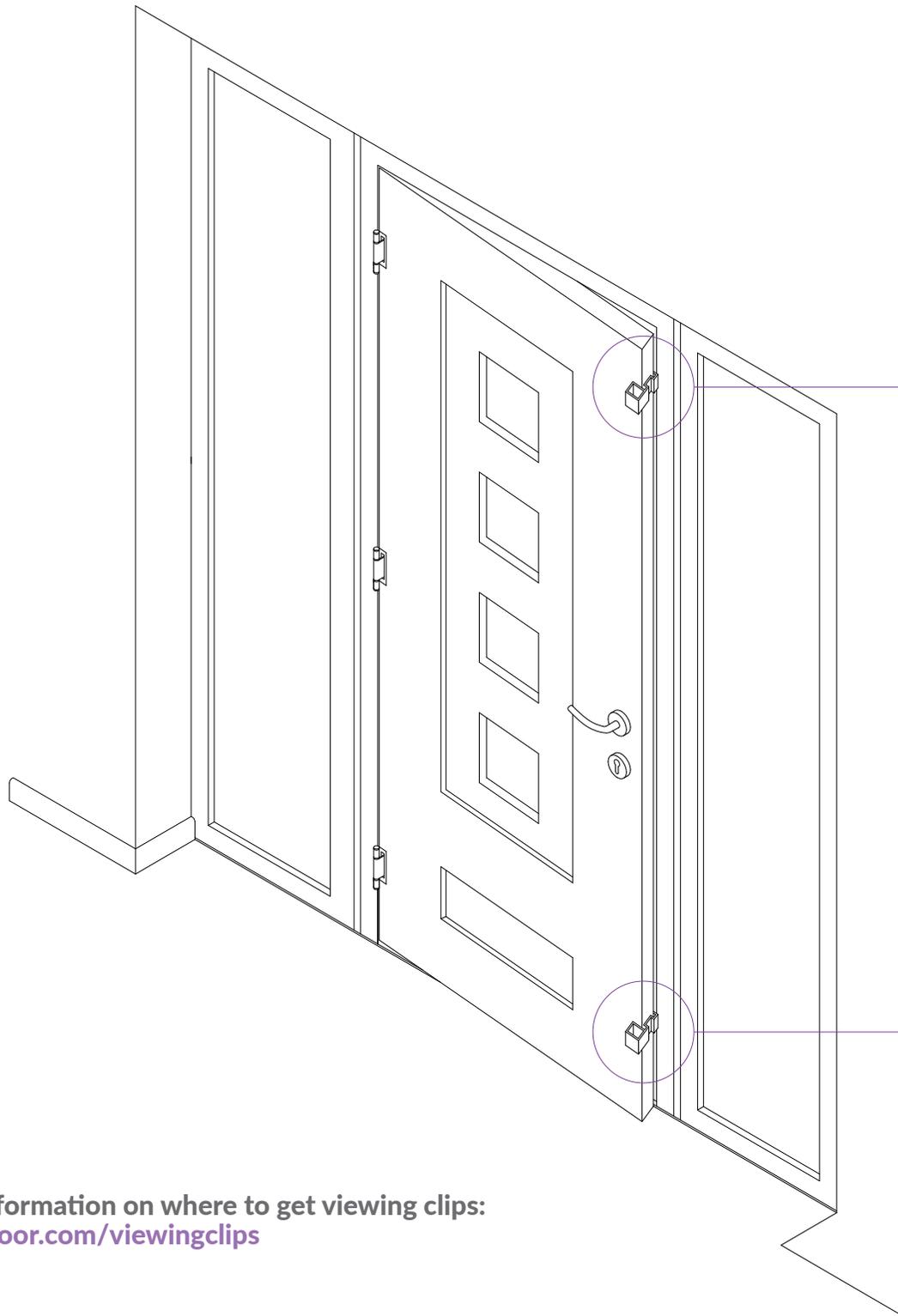
Fix number six.



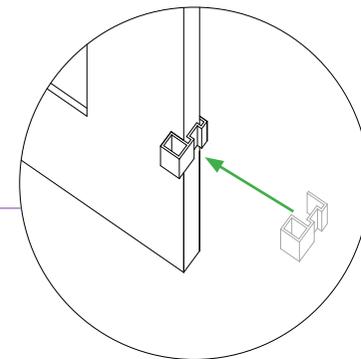
Check the viewing gap is parallel allowing for the plaster-line.

Make the sixth fixing into a full brick through a packer at approximately 150mm-250mm from the bottom of the frame.

Viewing clips make it easy.



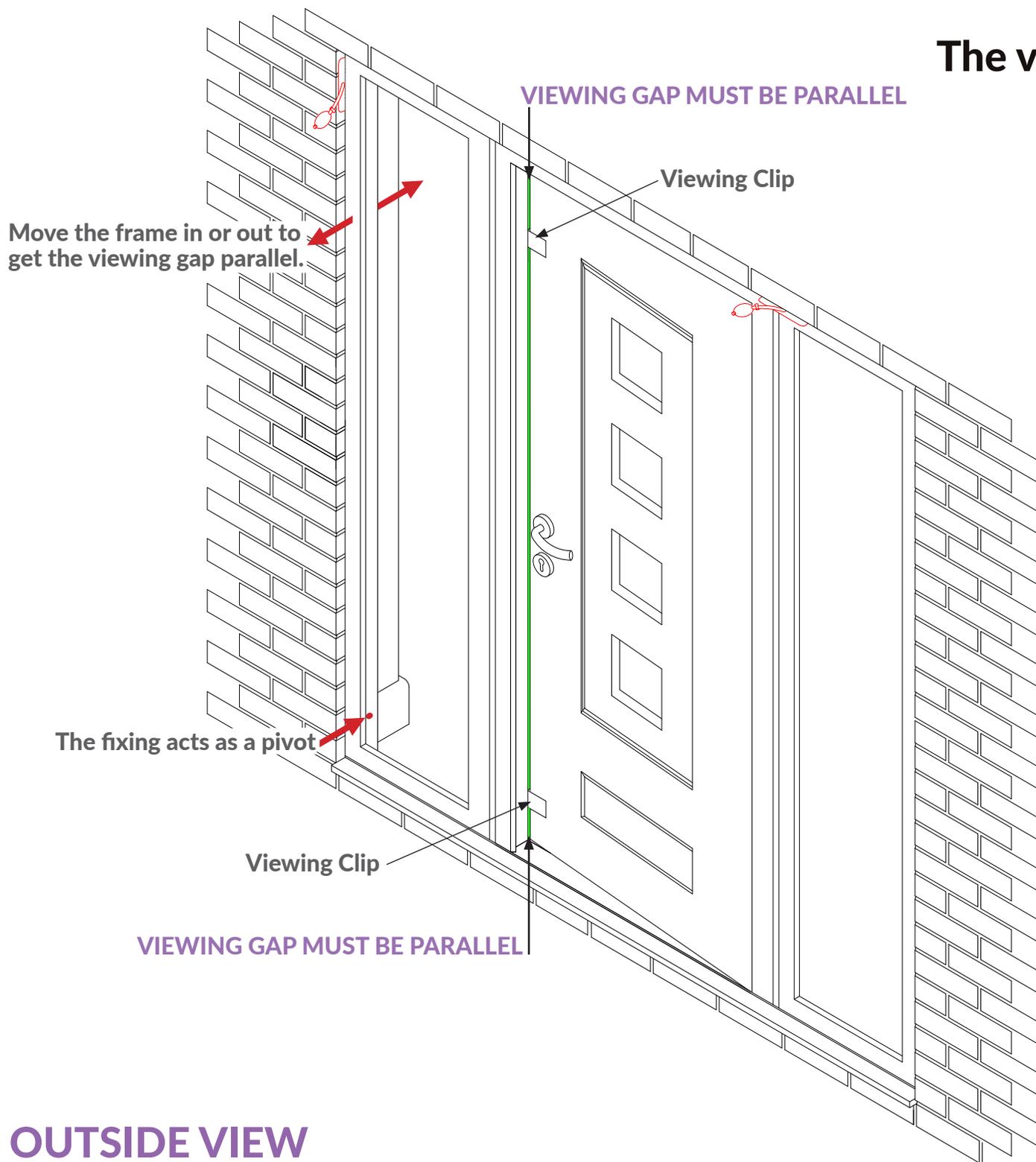
At the top of the door, clip on a viewing clip.



At the bottom of the door, clip on a viewing clip.

For more information on where to get viewing clips:
www.rockdoor.com/viewingclips

The viewing gap must be parallel.



Slightly release the winbag.

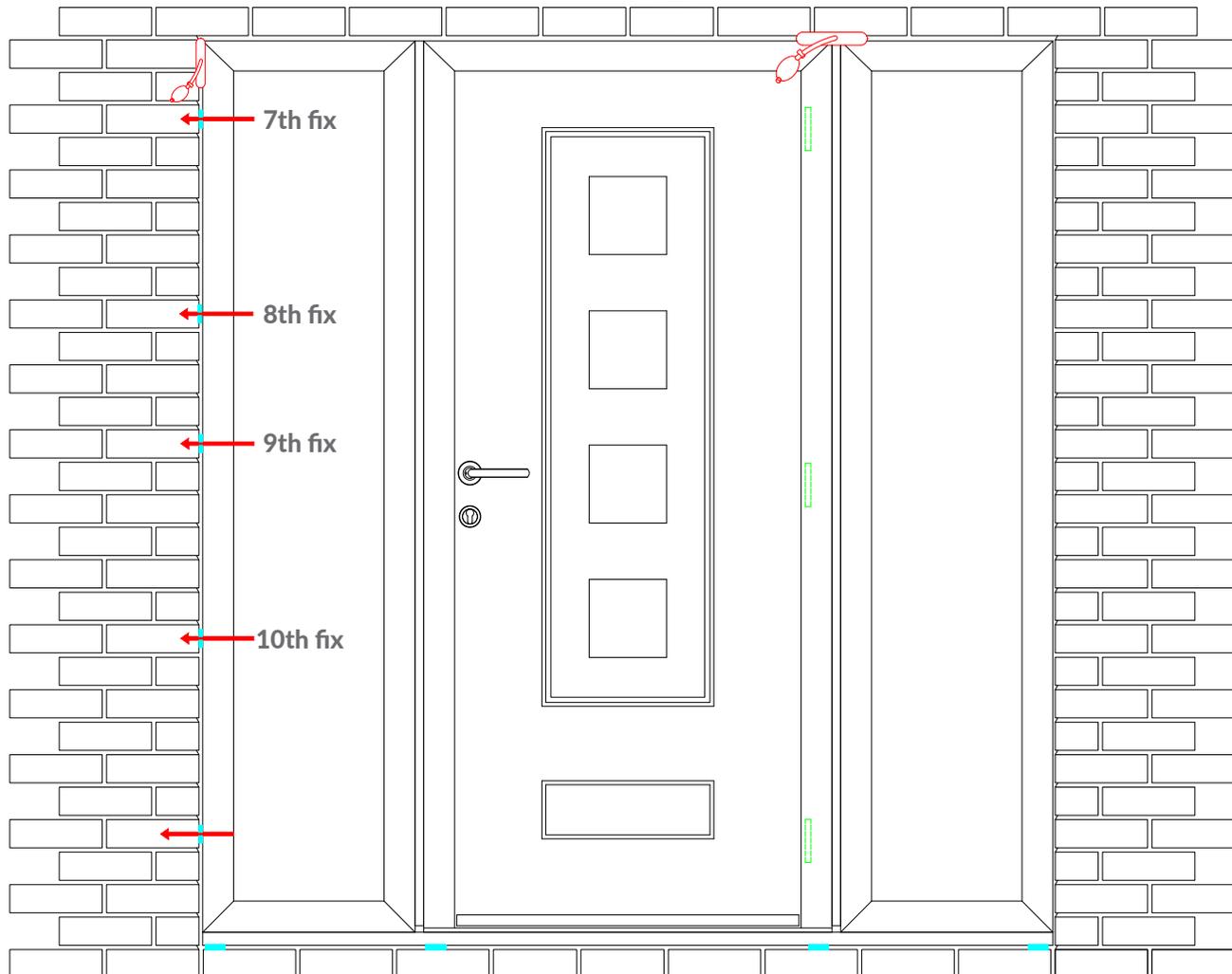
With Viewing Clips:

Close the door up to the frame and move the top part of the frame using the bottom fixing as a pivot, until both viewing clips are touching the frame. The viewing gap should now be parallel. When the viewing gap is parallel, clamp the frame with a winbag.

Without Viewing Clips:

Nearly close the door, leaving a slight viewing gap between the frame and door. Move the top part of the frame in or out using the bottom fixing as a pivot, to set the viewing gap so it is parallel to the door sash. When the viewing gap is parallel, clamp the frame with a winbag.

Fixings seven to ten.



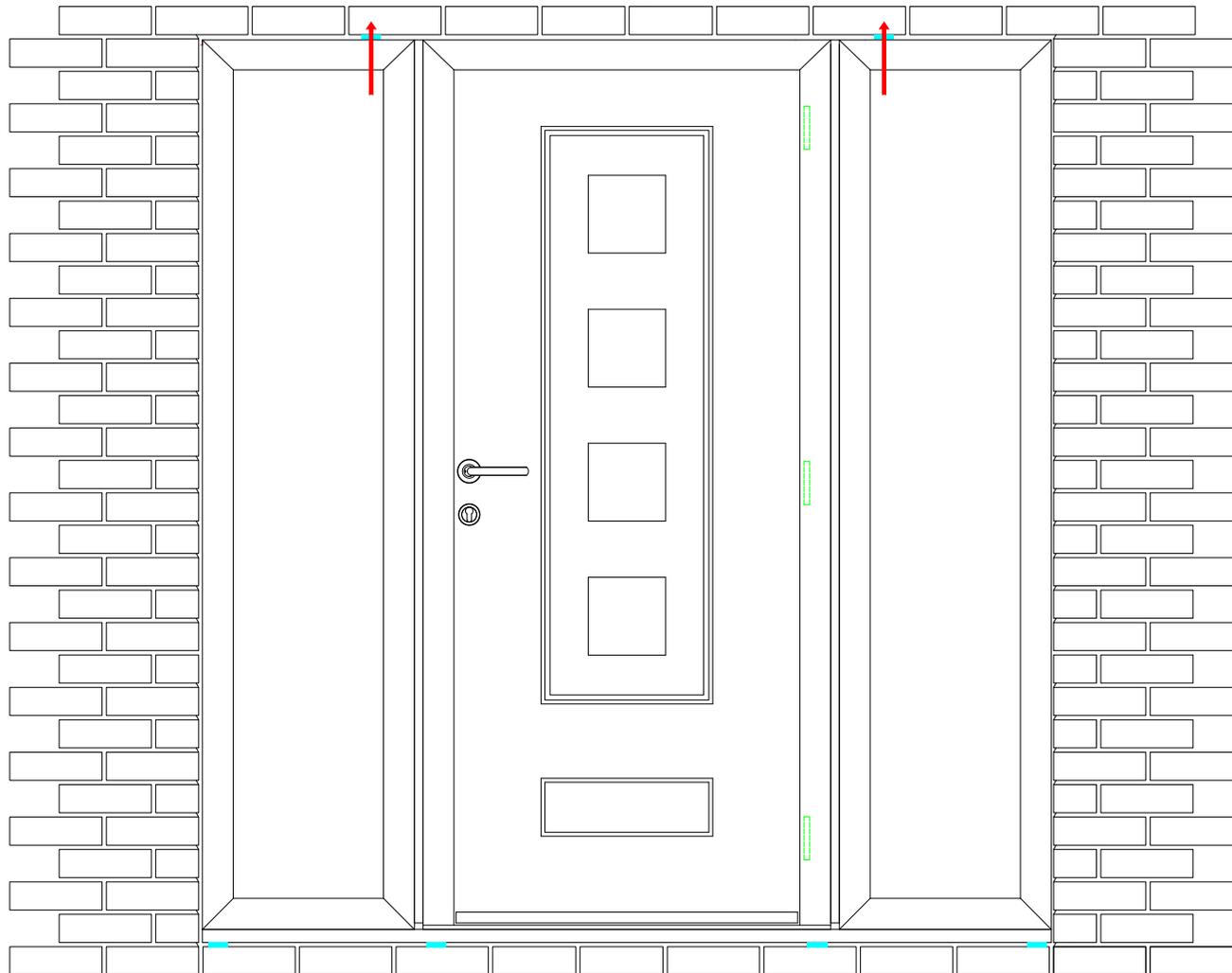
Make the seventh fixing into a full brick through a packer at approximately 150mm-250mm from the top of the frame.

Check that the door opens, closes and that the lock is working.

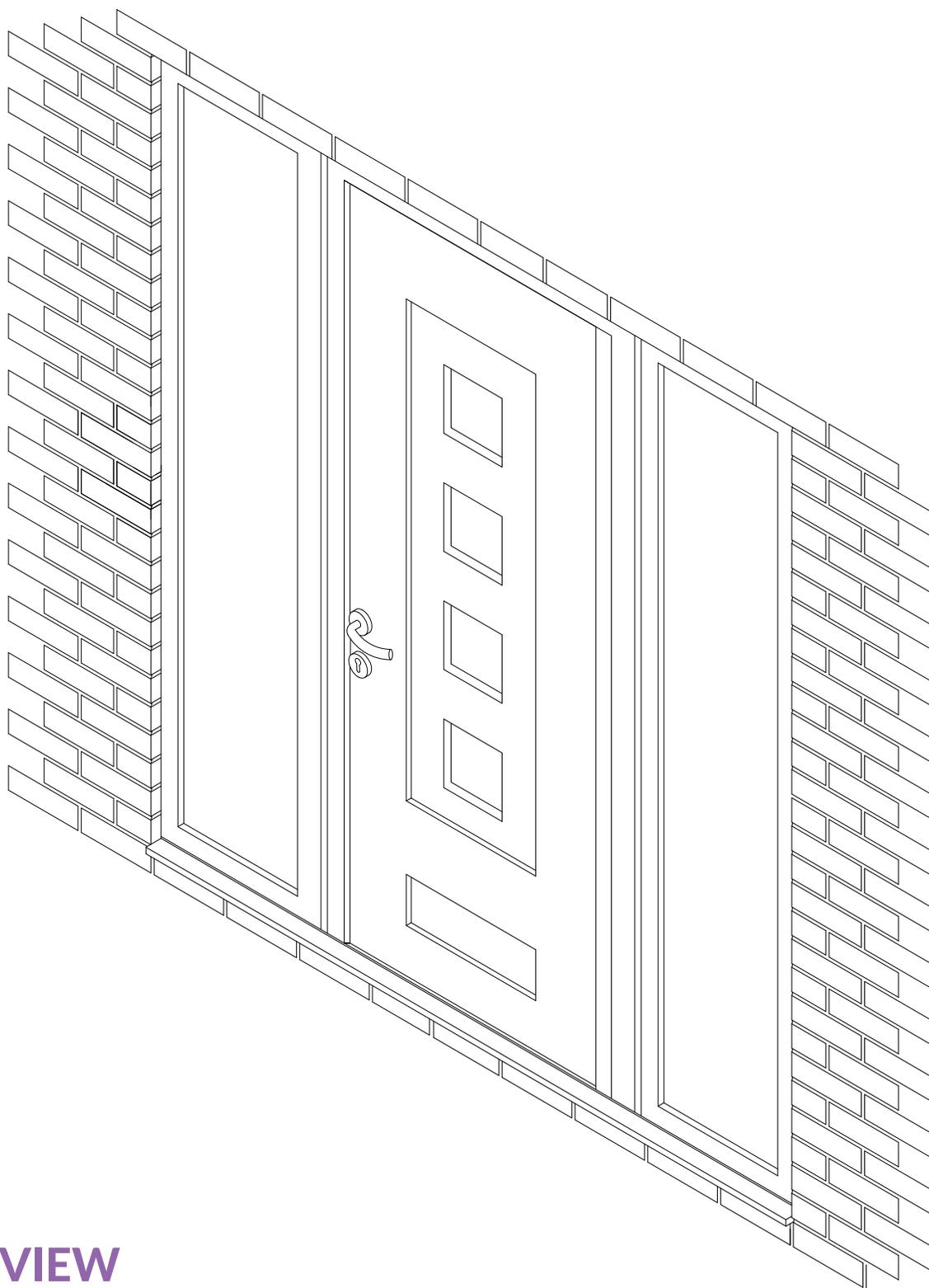
The remaining three fixings should be made at no more than 600mm centres and through packers into a full brick.

Again, check that the door opens and closes and that the lock is working.

Head fix.



If required, make a fixing through a packer in the head of the side frame as close as possible to the coupling bar.



Check the operation.



Check the door opens and closes smoothly and without binding.

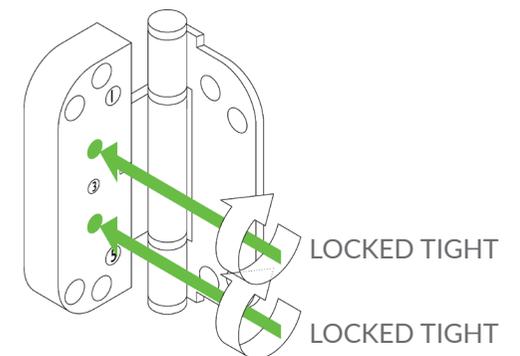
Check that the hooks engage easily. Check the cylinder smoothly locks the door.

Unlock the cylinder and check the hooks disengage easily.

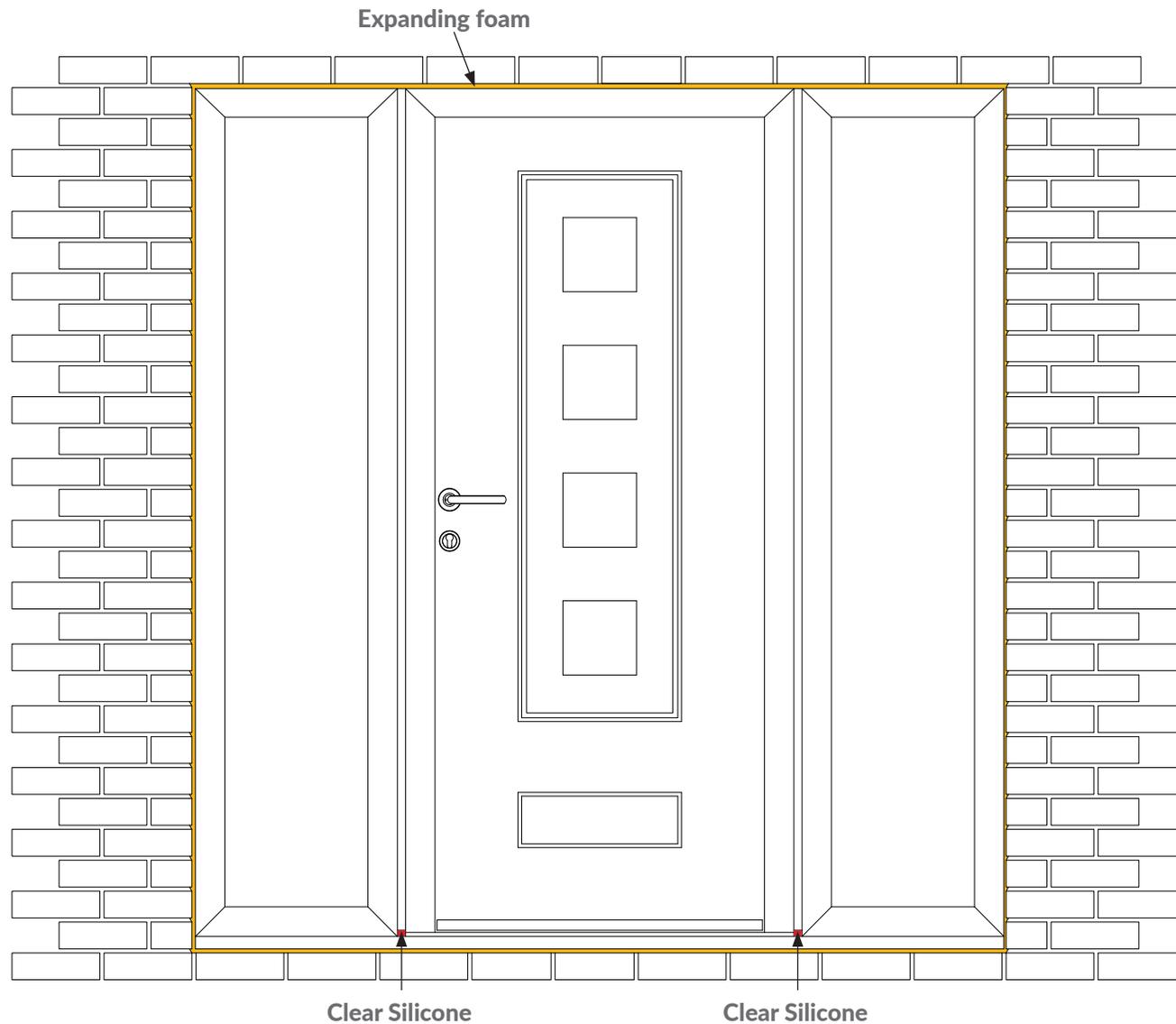
Fine tuning can be done by adjustment of the lock pockets, centre latch and the hinges.

(Help with fine tuning can be found online in our "Five star trouble shooting guide.")

Lock each of the 3 hinges with a 4mm allen key.



Fill the gaps.



Apply expanding foam in the gap between the frame and the brickwork to form a thermal break.

Fill the gaps with clear silicone under the aluminium coupling bar.

Glaze the side frames.

When the expanding foam has skinned over, use a packer and carefully push any excess back into the gap.

Trim the coupling cover to the correct length and clip into place.

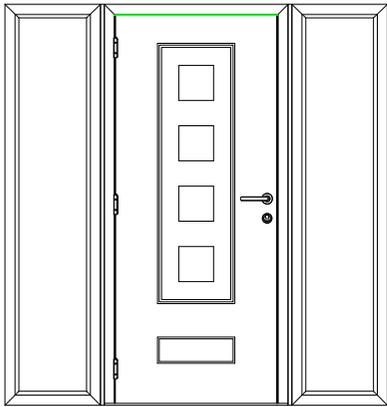
When the expanding foam has fully cured, seal and trim.



FIVE STAR INSTALLATION CHECKS

The Rockdoor will operate correctly and will be trouble free, if you can tick yes to all the following checks.

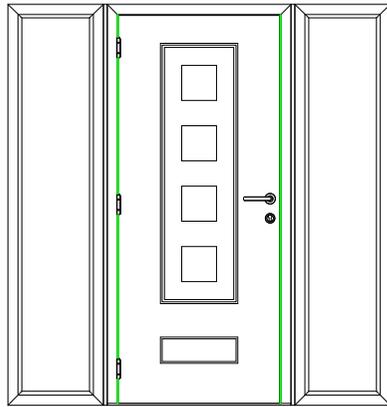
1 HEAD GAP CHECK



The head gap must be parallel.



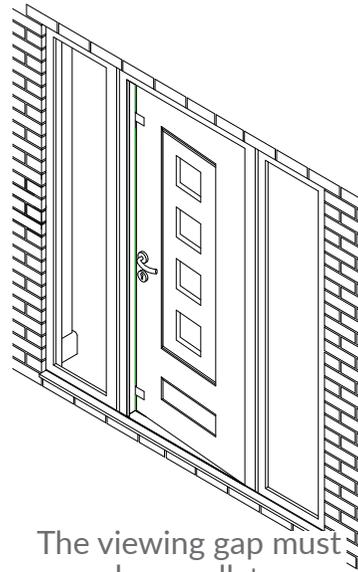
2 SIDE GAP CHECK



The side gaps must be parallel.



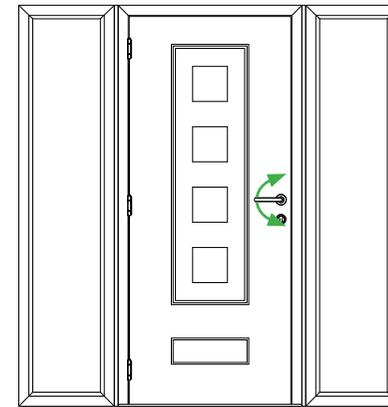
3 VIEWING GAP CHECK



The viewing gap must be parallel.



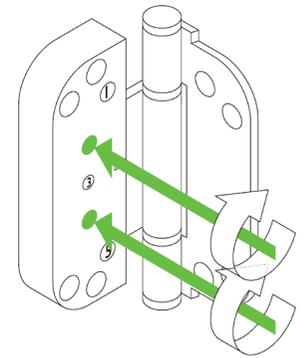
4 OPERATION CHECK



The door should open, close and lock smoothly.



5 HINGE LOCK CHECK



All 3 hinges should be locked.



If you can't tick yes to all the five star checks
please refer to the five star trouble shooting guide at:

www.rockdoor.com/five-star-trouble-shooting

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DOOR



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