

QUARTER LANDINGS

- Cut-outs

Referring to the shop drawing, proceed to mark out the landing for cut-outs to suit the centre post (if applicable) and the lower flight stringer.

- 1) Centre Post Cut-out — From the nosing, measure in from the wall side and mark the overall width of the lower flight. From this point, measure inside the line by 60mm and then 60mm back from the nosing. Square these two lines through until they intersect. Proceed to cut them out.
- 2) Stringer Cut-out - From the nosing, measure out from the wall side by 32mm and then 43mm back from the nosing. Square these lines through until they intersect. Proceed to cut them out.

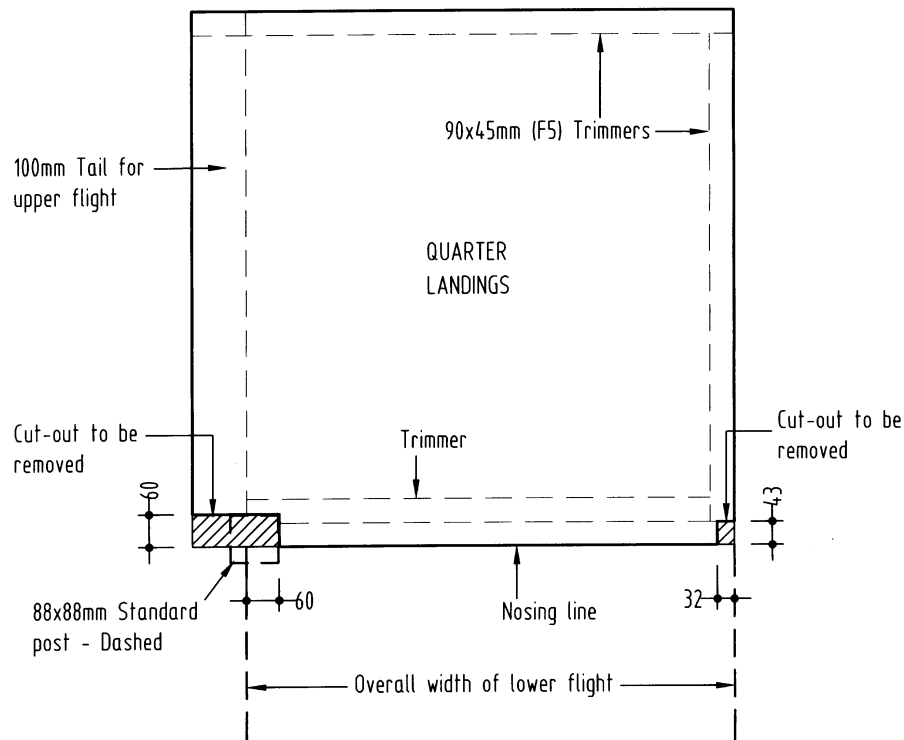


Figure 4
Quarter Landing Set-Out

- Trimmers

- 3) Cut a 90x45mm trimmer to fit between the above cut-outs. Apply construction adhesive to one edge and position the trimmer 45mm back from the nosing line. Screw through the top of the landing into the trimmer.
- 4) Calculate the height of the landing by multiplying the tread number by the individual rise. For example, if the landing is tread #10 with a rise of 185mm, then $10 \times 185\text{mm} = 1850\text{mm}$.
- 5) Mark this height on the wall and then deduct 32mm for the thickness of the landing material. Level this line around the wall where the landing will run. At this point, cut a length of timber to this height to act as a temporary prop.

- 6) Cut two 90x45mm trimmers using the landing as a guide for length. Ensure the trimmer does not foul the 32x43mm cut-out in the nosing.
- 7) Glue and screw these trimmers to wall using 100x14g batten screws (If timber frame).
- 8) Apply a bead of glue to the top of the trimmers; using the prop, sit the landing in place and screw to the trimmers using 65mm screws. Do not install the center post at this time.

- **Lower Flight**

- 9) At this point, the lower flight can be moved into position (ensure that the top riser of the flight has been reduced in height by 9mm). Screw through the face of the top riser into the landing trimmer behind. Leave the centre post stringer (if applicable) slightly long at this stage.

- **Upper Flight**

- 10) The upper flight can also be moved into position, once again leaving the centre post stringer (if applicable) slightly long.

Note: The landing is supplied with a 100mm tail on the back edge to provide bearing for the top flight. Therefore, it is not removed unless necessary.

- **Centre Post**

- 11) Using the cut-out for the centre post, measure back 88mm for the depth of the post. Plumb this line up the face of the stringer and remove the off cut. With the centre post stringer now plumbed to length, you will also need to cut 28mm out of the back of the adjacent tread to allow the centre post to slide down into position.

HALF LANDINGS

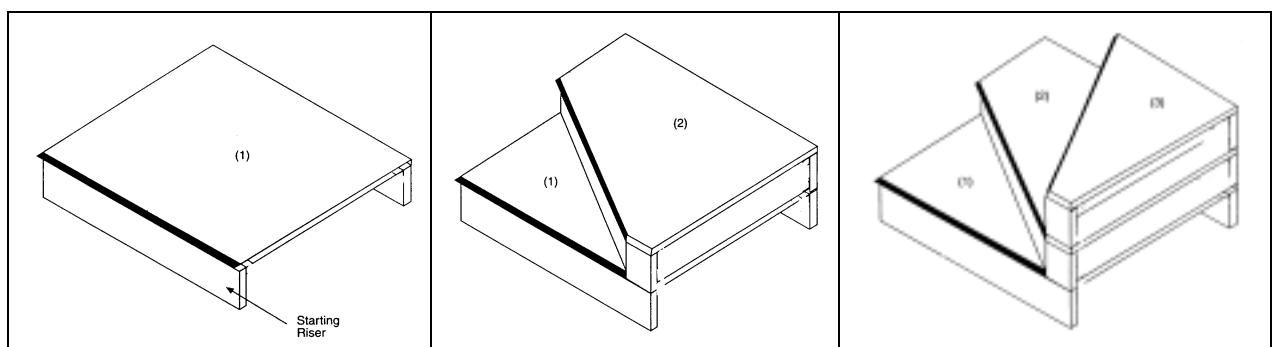
Half (180 degree) landings are installed using the same method as quarter landings, only in two sections. In addition, use a 90x45mm trimmer to run the full length of the join.

SPLIT HALF LANDINGS

Split half landings are quarter landings separated by one rise. The split landings are installed using the same method as quarter landings. In addition, there will be a 32mm thick MDF riser running from the back wall to the center post (if applicable).

WINDERS

The following diagrams show how Stair Lock s winder system is built up in stages



- **Installing The Winders**

- 1) Start by marking out the first winder platform as detailed in **QUARTER LANDINGS**. However, continue the marks down the front edge of the winder. Do not cut at this stage.
- 2) Lay the remaining winders for this block on top, making sure that the outside edges align. Clamp the winder block together in at least two places.
- 3) Using a square, scribe the nosing line of each winder to the winder below. Transfer the centre post set out marks on winder #1 to the other winders above.
- 4) Drill four 4mm holes, located 40mm behind the nosing line of each winder. Continue these holes through to the winder below. These holes are for the screws to secure the winders to the risers.
- 5) Drill several 4mm holes around the outside of the winders. These holes are for the screws to secure the winders to the trimmers and risers.
- 6) Remove the clamps and remove the centre post cut-out on each winder as marked.
- 7) Starting with the first winder platform, measure 25mm back from the nosing lines scribed earlier and cut a 32mm winder riser to this length.
- 8) Cut a second winder riser to length to run along the wall.
- 9) Glue and screw these risers into place where the pilot holes have been drilled.
- 10) Repeat this step for the next winder above (if applicable).
- 11) Glue and screw the trimmers to the wall as detailed in **QUARTER LANDINGS**.
- 12) Place the first winder platform into position (with assistance if necessary), then glue and screw to the trimmers. Continue to fix the winders in succession.

***TIP:** To ensure that the winders are a good fit, temporarily install the center post, and pull the winders hard against the post before screwing them down.*

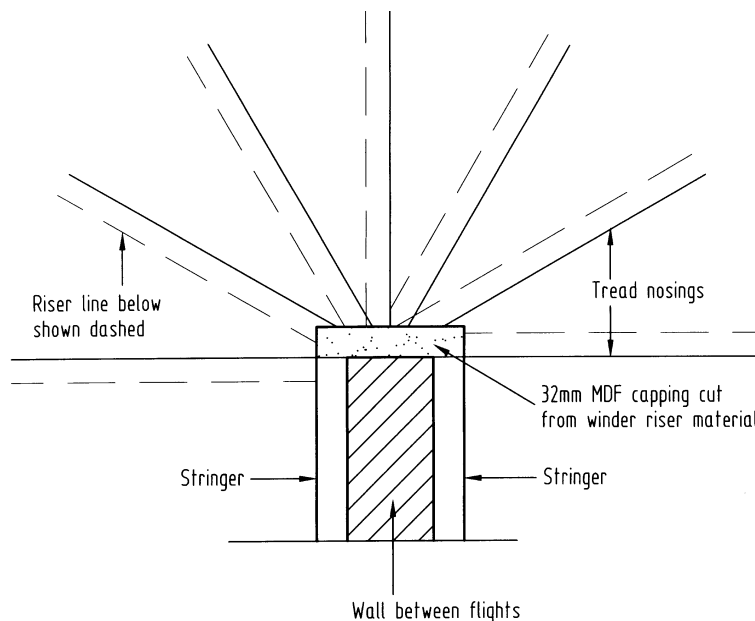


Figure 5

Detail of Winder Section — Stair with Centre Wall

Note: The 32mm MDF capping shown will overhang the blade wall by 32mm on the lower flight. The top of the capping is cut level with the upper stringer at the same pitch.