

# Resilient Bar Typical Under Floor Construction Details

## Typical Resilient Bar Layout

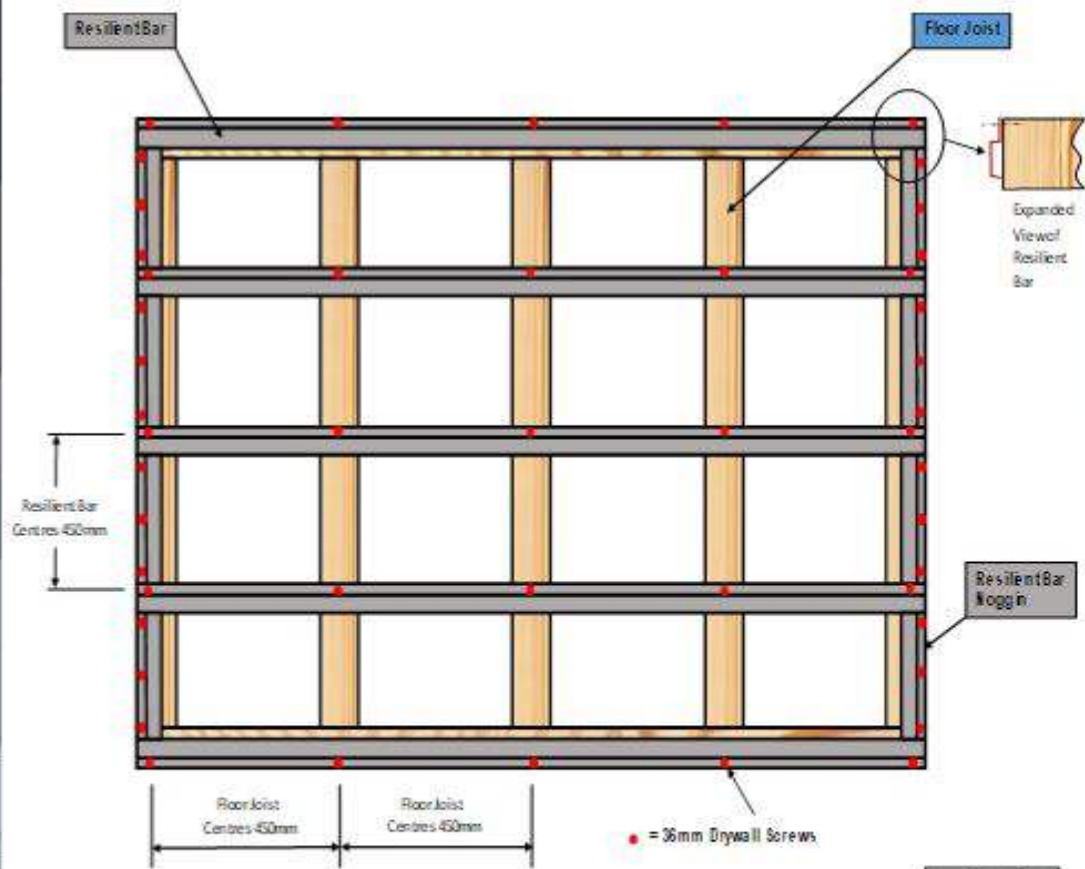
▼ Mark the underside of the floor joists at 450mm centres (For 900mm wide plasterboard).

These will be indicators used to set the position of the Resilient Bars.

▼ Fix the Resilient Bars through the 3mm diameter holes in their flange to each floor joist with 36mm drywall screws.

▼ Resilient Bars can be extended by overlapping them at a floor joist and fixing them with a screw through both flanges.

▼ Cut Resilient Bar to form noggins and fit between rows of Resilient Bars at perimeter of floor using screws to fix into perimeter floor joists.



## Typical Resilient Bar Layout (Board Fixing)

- ▼ At this point, if required, general purpose insulation can be laid between the floor joists and rested on the Resilient Bars.
  - ▼ Plasterboards should be fixed with their long edges at 90° to the Resilient Bar.
  - ▼ Fix the 1st layer of plasterboard to the Resilient Bar using appropriate length drywall screws.
- Drywall screws should be inserted at maximum 230mm centres in the field of the board and maximum 150mm centres at the plasterboard ends.
- ▼ If a 2nd plasterboard layer is required, stagger the joints in relation to the 1st layer of plasterboard.
  - ▼ Fix the 2nd layer of plasterboard to all Resilient Bars using appropriate length drywall screws.
  - ▼ Ensure drywall screws are inserted no closer than 10mm from bound plasterboard edges and no closer than 13mm from cut edges.
  - ▼ Drywall screw lengths should be selected so that they provide a nominal 10mm penetration into the Resilient Bar and do not touch the floor joists.

Noted On Next Slide

