Rochdale Building Control Guide

Lateral restraint

Version 8  
July 2018
Strapping

When constructing floors and roofs it is important to bear in mind that they provide lateral support to walls. Where floor and ceiling joists run parallel to walls, straps should be installed as below.

30 x 5 straps, fixed over 3 joists minimum at 2.0 metre maximum centres, fixed to noggins with a minimum of four fixings with at least one in the third rafter.

Packing piece between rafter and inner leaf.

Strap to be bedded on full block with cut block over.

Rafters also require strapping to walls in the same manner as below.

Broken line indicates alternative strap position using full depth noggins.

www.rochdale.gov.uk/buildingcontrol
Joists spanning over 2.5 metres require strutting at mid span to prevent twisting when loaded. When joist span over 4.5 metres strutting is required at third spans.

Strutting should be at least 38mm wide and at least three quarters of the joist depth. Typical strutting arrangement is shown below.

Solid strutting shown 38mm wide for full depth of floor joist.

Note: Floor joists should be doubled up under partitions.