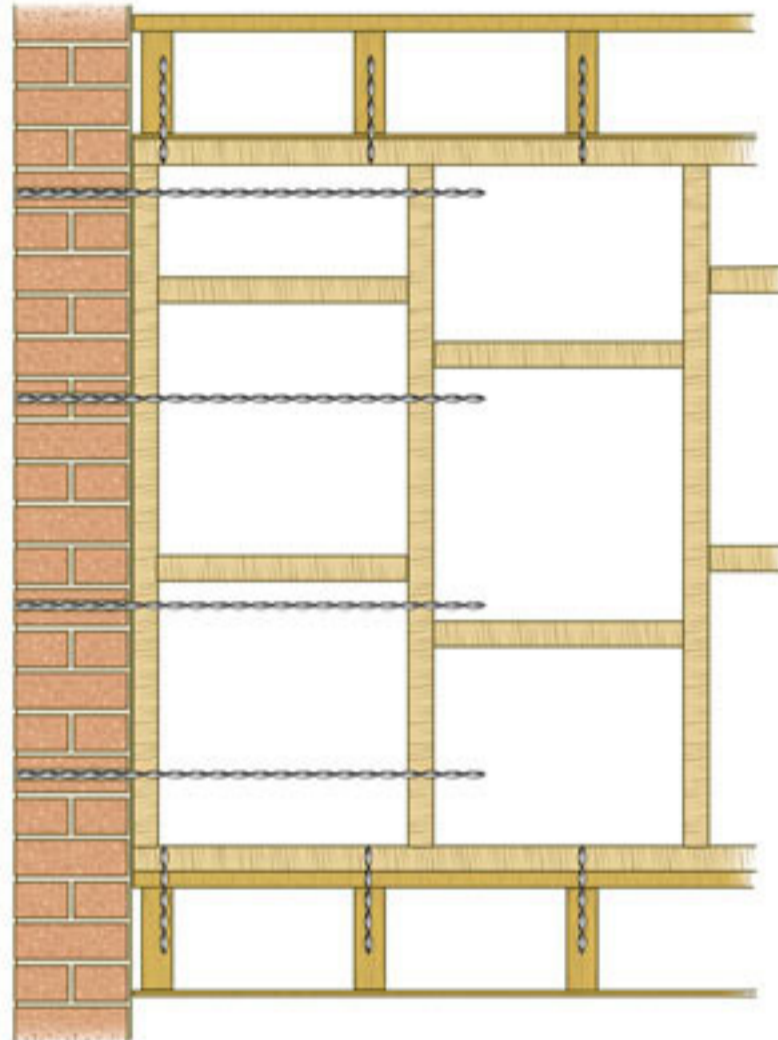


Restraining a Bowed Solid Wall using Thor Lateral Restraint Ties into Structural Studwork

Method Statement

1. Strip existing plasterboard from internal studwork.
2. Install additional rails and noggins to existing studwork and screw top and bottom rails securely to floor/ floor or ceiling joints as appropriate.
3. Mark the fixing positions of the Thor LRT fixings.
4. Drill a 12mm clearance hole through the masonry to hit the centre third of the first timber post and remove all dust.
5. Screw the Thor LRT key onto the correct length Thor LRT fixing and insert into an SDS drill.
6. With an operative inside viewing and assisting the fixing of the restraint, drive the restraint in (rotation only) slowly winding through the posts and studs as specified to leave the end of the tie recessed 10-15mm into the masonry.
7. Insert the resin stop sleeve over the tie end and push the stop 90mm into the brickwork.
8. Tensile load testing can be carried out at this stage if required.
9. Load the Thor Poly Resin into the applicator gun and attach the mixer nozzle and extension tube.
10. Inject the Thor Poly Resin over the end of the tie to completely fill the hole. If required, finish resin back from face of brickwork to allow application of a colour matched mortar.
11. Reclad both sides of the studwork with 12mm ply screwed securely to the timber frame.



SPECIFICATION NOTES

- The following criteria are to be used unless specified otherwise:
- A. Vertical spacing of the Thor Lateral Restraint Ties should not exceed 450mm
 - B. Width of internal wall to be strengthened to be a minimum of 1200mm.

RECOMMENDED TOOLING

- A. 2.5kg SDS hammer drill
- B. 12mm dia. drill bit of appropriate length
- C. Thor LRT key
- D. Thor Poly resin applicator gun and extension tubes

General Notes

These notes are for general use only. Should these notes not apply to your specific project, please consult the Thor Helical Remedial Technical Support Team on 0870 6006164. Thor Helical Remedial are able to offer a full project design service by either our in house design team or our National network of Approved installers. In most instances this service is provided free of charge. Projects completed by our network of approved installers offer the benefit of a fully underwritten insurance backed guarantee.