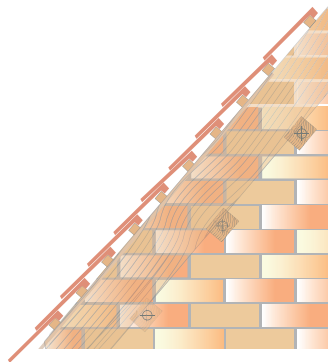
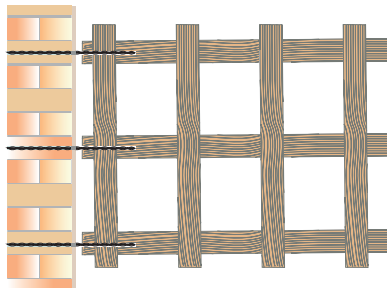


RESTRAINING GABLE WALLS USING PURLINS AND LATERAL RESTRAINT TIES



View through gable end wall of Lateral Restraint Ties, purlins and rafters



View from inside roof space of Lateral Restraint Ties securing gable end wall to purlins

Recommended Tooling

- ☐ For drilling and insertion of Lateral Restraint Ties: SDS rotary hammer drill 650 / 700w.
- ☐ For installation of Lateral Restraint Ties: Lateral Restraint Tie Power Support Tool.
- ☐ For injection of StrucSol Resin: Applicator gun.
- ☐ For blowing dust from hole: Pneumatic spoil cleaner.
- ☐ For Injection of the StrucSol Crack Filler: A 400ml Mastic Gun is required.
- ☐ PPE Clothing and Protection.

Method Statement:

1. Brace a minimum of 4 rafters with a 'mini-purlin' (e.g. 4" x 4") on the underside of the rafters at 300 mm centres.
2. Mark the positions of the purlins on the external wall.
3. Drill clearance holes for the Lateral Restraint Ties (normally 12mm), through the masonry only, in line with the centre of the purlin end.
4. Clean out the hole to clear any dust or debris.
5. Insert the Lateral Restraint Tie into the support tool. Insert tool into a SDS drill then set the drill to hammer action only. If a Power Support Tool is to be used, use a power SDS rotary hammer drill.
6. Drive the Lateral Restraint Tie into the 'mini-purlin' to the required depth (75mm minimum).
8. Inject StrucSol Resin into the hole to fill it completely.
9. Allow the resin to gel (normally 15 to 20 minutes).
10. Make good all the holes at the surface using StrucSol TE resin or StrucSol Crack Filler and leave ready for decoration. To achieve a near perfect look, use StrucSol Stain Colour Matching mortar.
11. Clean the tools and brickwork with a suitable polyester resin cleaner.

- ☐ *Making good the holes may be carried out as soon as is convenient after the StrucSol Resin has started to gel.*

General Notes

If you require specific advice on your project, please call the StrucSol technical help line 0116 2375082. We can supply a full support service which includes:

- ☐ Advice and assistance on all structural matters.
- ☐ Preparing repair proposals for specific projects.

SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise.

- | | |
|----------|---|
| A | Lateral Restraint Tie penetration into the end of the purlins MUST be a minimum of 75mm. |
| B | Each purlin in the area of concern is to be secured with a Lateral Restraint Tie (i.e. spacing of Lateral Restraint Ties is to correspond with the purlin spacing). |
| C | Ensure that all purlins into which Lateral Restraint Ties are to be installed are securely connected to the rafters (minimum 2 fixings each). |

The above specification notes are for general guidance only and StrucSol reserve the right to amend as necessary.