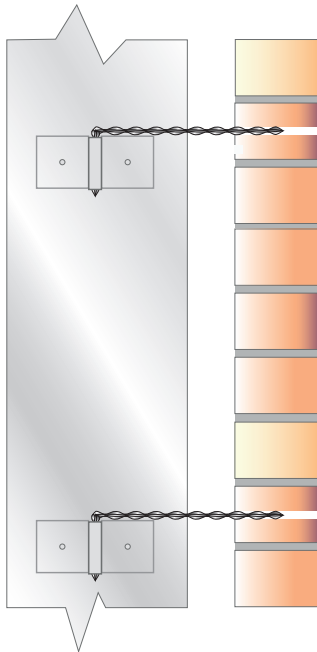# StrucSol
Building Repair Solutions

RECONNECTING STEEL STUD TO OUTER LEAF BRICK
USING MECHANICAL REMEDIAL WALL TIES (INTERNAL APPLICATION)

Method Statement:

1. Mark the position for the Mechanical Remedial Wall Ties on the interior face of outer leaf masonry.
2. Drill an appropriate diameter pilot hole into the brick leaf to a predetermined depth, using a rotary percussion drill (3-jaw chuck-type). Drilling MUST be carried out parallel to, and in line with the solid side section of the steel stud.
3. Fit the special Power Support Tool to an electric hammer drill (SDS type).
4. Power drive the tie into position and then bend the near end downwards at an angle of 90° to the side of the steel stud. Secure the tie to the steel stud by means of an angle offset steel bracket (StrucSol Stud Clip) which is screwed to the solid side of the steel stud.

Recommended Tooling

- For drilling pilot hole: Rotary percussion 3-jaw chuck drill.
- For installing Mechanical Remedial Wall Tie: Power Support Tool fitted to SDS rotary hammer drill 650w / 700w.
- PPE Clothing and Protection.

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	Length of Mechanical Remedial Wall Ties to be sufficient to accommodate 50mm penetration into far leaf brickwork + cavity + sufficient length to accommodate Stud Clip and angled return.
B	Ensure pilot hole is 75mm into brick leaf.
C	Diameter of pilot hole to be determined on–site through testing – typically: 5–6.5mm for 8mm diameter tie.
	The above specification notes are for general guidance only and StrucSol reserve the right to amend as necessary.

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