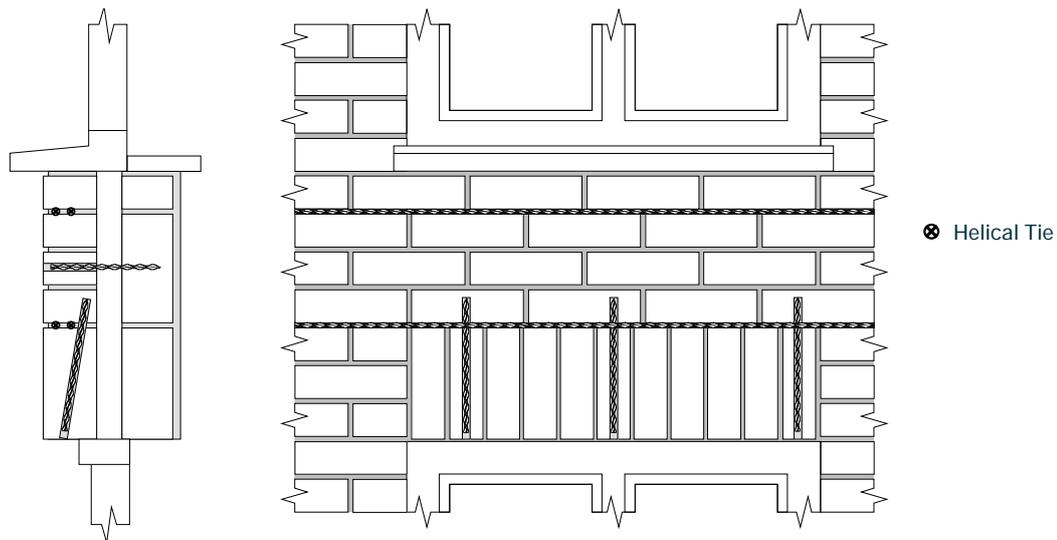




## Repair of Failed Soldier Course Lintels



## METHOD STATEMENT

1. Rake out or cut slots into horizontal mortar joint to specified depth and at required locations. Vacuum out the slots and thoroughly flush with water.
2. Insert a 10 mm (approx) depth bead of cementitious grout into back of the top slot only. Push Helical bar rod into the bead of grout to obtain good even coverage. Insert a second 10 mm (approx) depth bead of cementitious grout up against existing grout in top slot only. Push second helical bar rod into the bead of grout to obtain good even coverage. Insert a bead of cementitious grout over the exposed rod in the top slot and iron into the slot using the finger trowel.
3. Locate and mark positions of holes on undersides of soldier course. Drill a clearance hole (13 mm-14 mm diameter depending upon material) at required angle and to required depth. Angle of drilling should be such that the hole will pass behind the lower helical bars (when installed) and penetrate at least 50 mm into the course of masonry above the reinforcing.
4. Blow out hole and thoroughly flush with water. Mix cementitious grout and load into gun with required length of correct size extension nozzle already attached.
5. Pump cementitious grout to outlet of nozzle. Insert nozzle to the full depth of drilled hole and pump grout to fill hole. Keep light pressure on gun to ensure that all voids are filled with grout. Wind correct length helical tie into the hole using the insertion tool. Make good at surface of all holes and leave ready for any decoration.
6. Install lower pair of helical bars as per 2 above.
7. Point up or fill the joint and leave ready for any decoration.

GUIDANCE NOTES *Unless otherwise specified, the following criteria are to be used:*

- a. Depth of slot to be 40 to 55 mm
- b. Where helical bars have to be joined in long runs a minimum of 500 mm overlap should be allowed.
- c. Top and bottom reinforcements should be positioned as far apart as practicable, up to a maximum distance equivalent to 12 brick courses (approx 0.9 m).

*To find out more and to see how we could help you, please contact us*

[info@quadrabuild.com](mailto:info@quadrabuild.com) | 02086 445 434 | [www.quadrabuild.com](http://www.quadrabuild.com)

