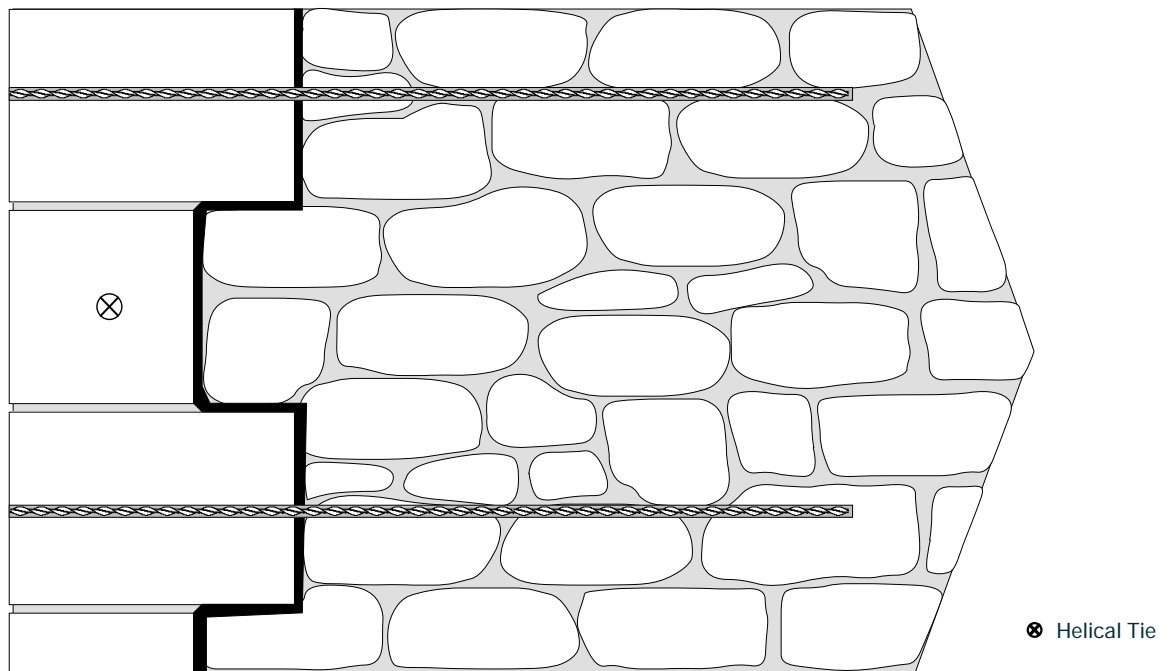




## Helical Tie Repair of Stone Quoins on Random Stone Walls



### METHOD STATEMENT

1. Locate and mark positions of holes on outer side of wall.
2. Drill clearance holes (13 mm-16 mm diameter depending upon material and length of tie to be used) through stone quoin and to required depth into the back-up material at positions already marked
3. Vacuum out holes and thoroughly flush with water. Mix cementitious grout and load into gun with required length of correct size extension nozzle already attached.
4. 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.
5. 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.

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

- a. Helical tie to be installed at a vertical spacing of 450 mm.
- b. Helical tie to extend at least 100 mm past the crack.
- c. Helical tie to be installed within the centre third of the wall.
- d. If cracking occurs on both elevations consider using helical bar crack stitching around the corner.
- e. If helical tie have to be used they should be staggered between each elevation.

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

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