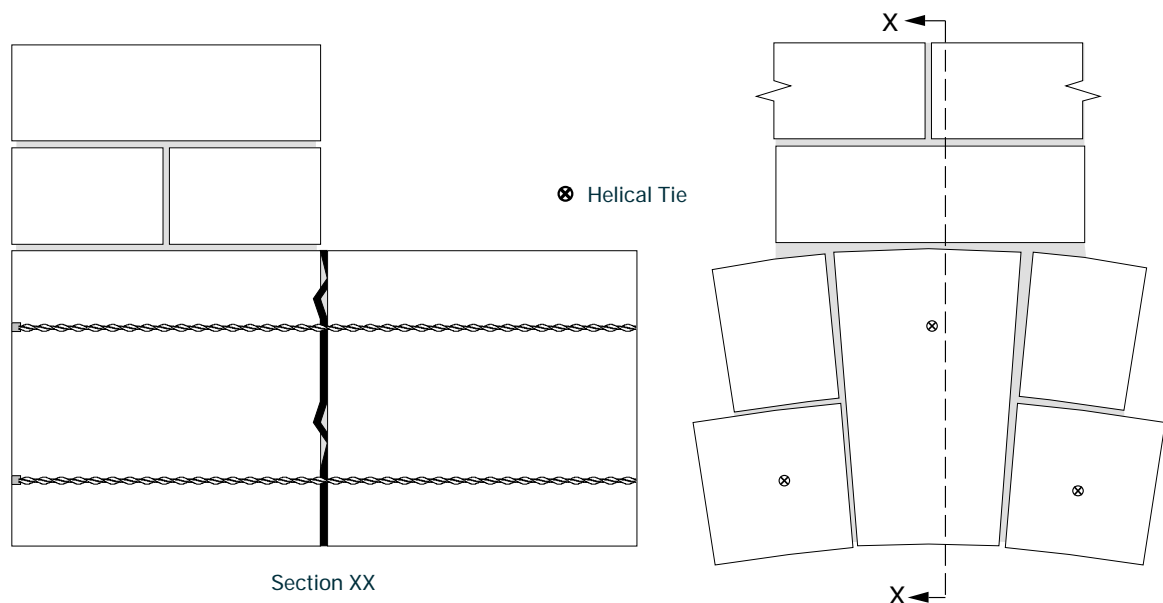




Repairing Stone Arch Structures Spandrel Pinning



METHOD STATEMENT

1. Mark positions for pins onto face of arch at required spacing.
2. Drill clearance holes (13 mm-16 mm diameter depending upon material and length of tie to be used) to required depth 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.
6. If there is a lot of movement in the brickwork then the ties will have to be installed in phases. After each phase the ties should be left for 24 hours for the grout to achieve an initial set. After 24 hours continue with the next phase.

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

- a. Nominal vertical and horizontal spacing between helical tie to be 450 mm.
- b. Helical tie to extend a minimum of 200 mm past any visible or known crack.
- c. If this method of repair is suitable then a 950 mm length of helical tie should be sufficient in most cases.

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

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