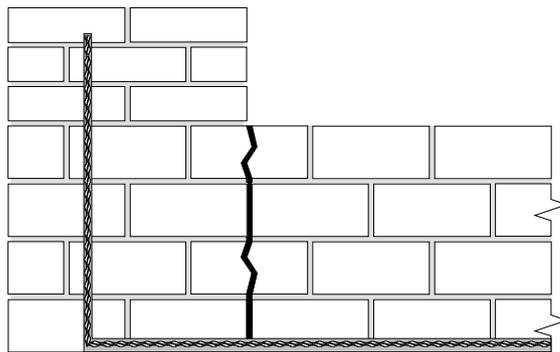
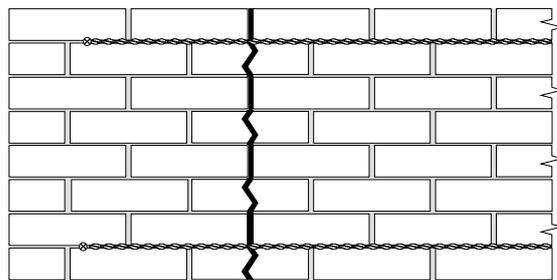




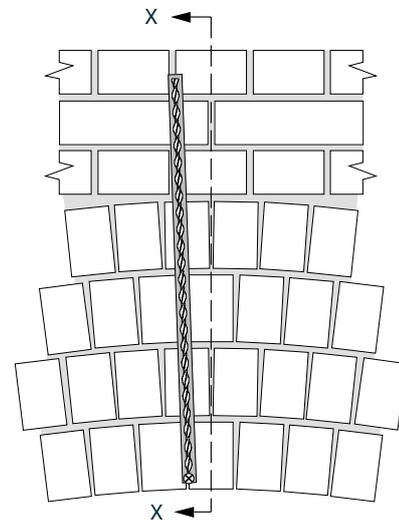
## Repairing Brick Arch Structures Crack Stitching - Arches



Section XX



Plan of underside of arch



Elevation

### METHOD STATEMENT

1. Cut 10 mm wide slots for the helical bar crack stitches in the bedjoints on the underside of the arch.
2. Where required drill clearance holes (13 mm-16 mm diameter depending upon material and the length of tie to be used) to required depth at ends of slot.
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. 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.
4. Change nozzles on grout gun and insert a 10 mm (approx) bead of grout into back of the slot. Bend helical bar to correct shape and insert end of helical bar into full depth of grout filled hole. Push remainder of helical bar into bead of grout in slot to obtain good coverage.
5. Insert a 10 mm (approx) bead of cementitious grout over the exposed helical bar and iron into the slot using a finger trowel.

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

- a. Nominal spacing between crack stitches to be 450 mm.
- b. Depth of slot to be approx 45 mm
- c. Crack stitches to extend a minimum of 500 mm either side of the crack. If this is not possible then ends of each stitch to be bent and grouted up into the brickwork.

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

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