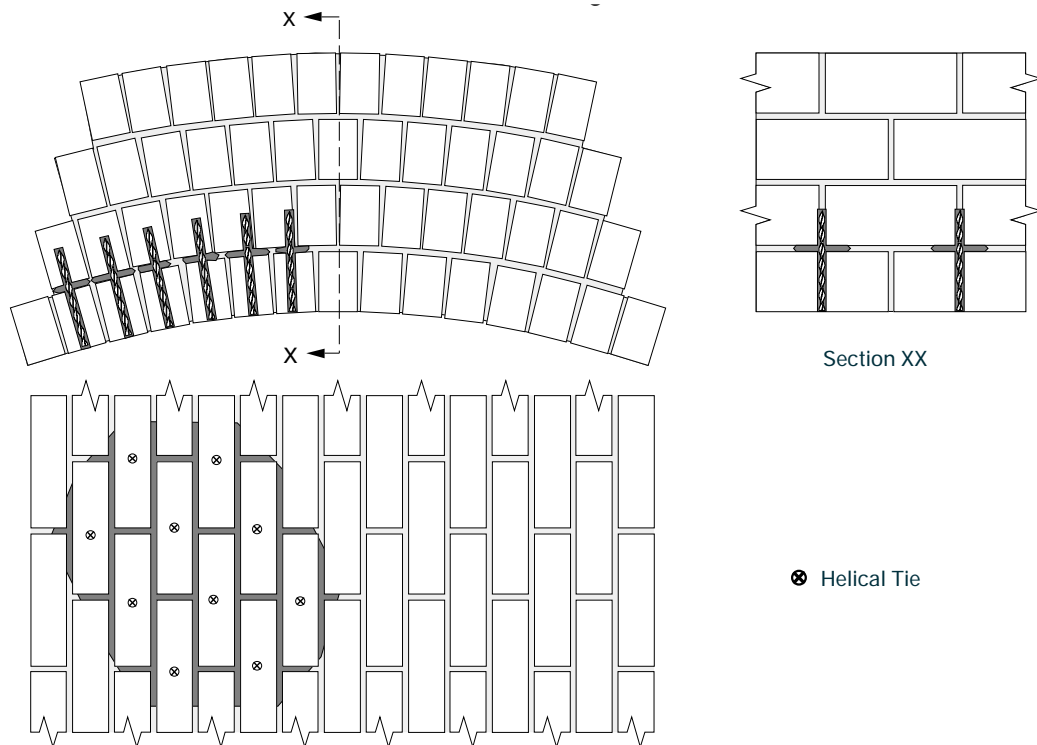




Repairing Brick Arch Structures Barrel Pinning



METHOD STATEMENT

1. Locate and mark all loose bricks that need pinning.
2. Drill clearance holes (13 mm-16 mm diameter depending upon material and length of tie to be used) to required depth within the centre third of each marked brick.
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.
6. Leave ties for 24 hours for the grout to achieve an initial set.
7. Repoint the pinned bricks with cementitious grout by using the grout gun with the appropriate pointing nozzle.
8. If there is a lot of movement in the bricks then they should be temporarily restrained with either a steel mesh, props or timber wedges prior to the ties being installed.

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

- a. Length of helical tie to be sufficient to allow 70 mm penetration into sound bricks.

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

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