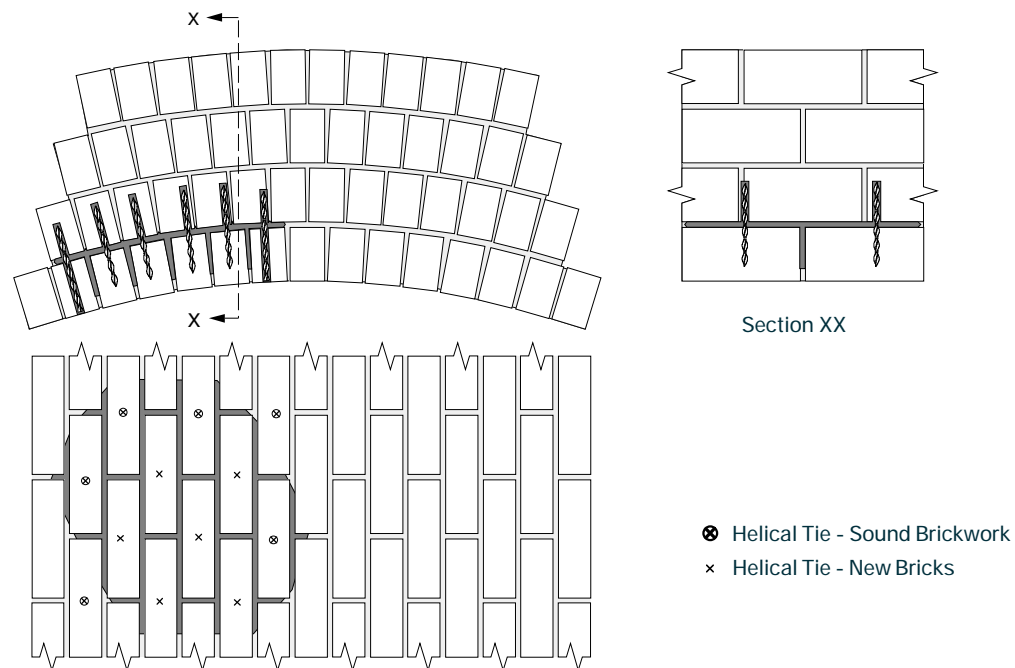




Repairing Brick Arch Structures *Brick Replacement*



METHOD STATEMENT

1. Locate and mark all loose bricks that need pinning.
2. Pin the sound bricks surrounding the area of brickwork that needs replacing using helical tie as outlined in Standard Detail HTG-14. Leave ties for minimum of 24 hours for the grout to achieve an initial set.
3. Remove area of brickwork that needs replacing.
4. Drill a 6 mm pilot hole into the centre third of the new bricks. Drive an 8 mm helical tie into each new brick.
5. Mark the position for the tie in the arch ring (using a drilled brick as a guide if necessary). Drill a 10 mm hole and fill with resin.
6. Place new brick and tie combination into position and secure with wedges or props as required until resin has started to gel (approx 30 mins). Repeat for remainder of bricks to be replaced.
7. Repoint the pinned bricks with cementitious grout by using the grout gun with the appropriate pointing nozzle.

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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