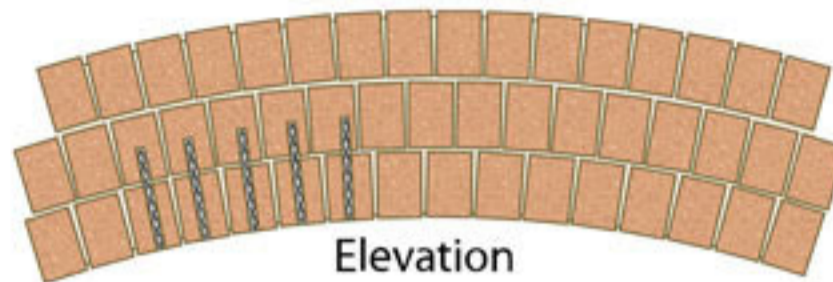


# Masonry Arch Pinning of Debonded Bricks using Thor Grout Ties

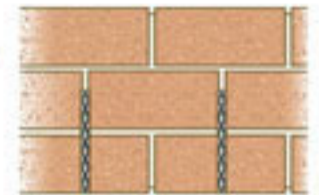
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06

## Method Statement

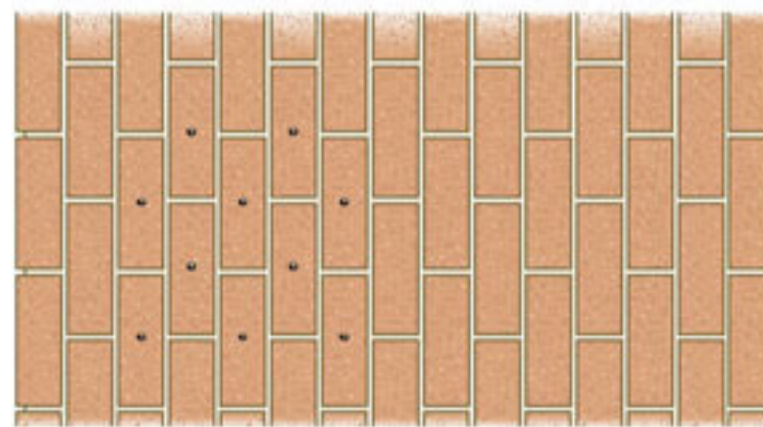
1. Mark all loose bricks that require pinning.
2. Drill 14mm clearance holes to the required depth within the centre third of each marked brick.
3. Clean out all dust from the holes and thoroughly flush with water. Use Thor Primer to seal the faces of the hole where substrate is very porous or water can't be used.
4. Attach the appropriate length of Grout Tie pinning nozzle to the grout gun.
5. Mix the Thor WHO Grout constituents together, as directed, in the bucket provided using a powered mixing paddle. Additional liquid should not be added.
6. Load the grout into the grout gun and pump grout to fill the nozzle.
7. Screw the Grout Tie into the pinning nozzle and ensure it is fully encapsulated in grout.
8. Insert the nozzle to the full depth of the hole and pump the grout gun to expel the grout and Grout Tie. Finish the grout back from face of brickwork to allow application of a colour matched mortar.



Elevation



Section



Plan

## SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise:

- A. Ties to be long enough to allow a minimum of 70mm penetration into sound bricks.
- B. Depth of the clearance hole to be Grout Tie length +25mm.
- C. **Climatic Conditions.** In hot conditions Thor WHO 60 grout should be stored and mixed in the shade to maximize the working life of the mixed product. As Thor WHO 60 grout is a cementitious product it should not be used when the temperature is +4°C and falling.

## RECOMMENDED TOOLING

- A. 14mm dia. drill bit of appropriate length.
- B. Power mixing paddle.
- C. Thor Grout gun and injection nozzle.
- D. Grout Tie pinning nozzle of appropriate length.
- E. 2.5kg SDS hammer drill

## General Notes

These notes are for general use only. Should these notes not apply to your specific project, please consult the Thor Helical Remedial Technical Support Team on 0870 6006164. Thor Helical Remedial are able to offer a full project design service by either our in house design team or our National network of Approved installers. In most instances this service is provided free of charge. Projects completed by our network of approved installers offer the benefit of a fully underwritten insurance backed guarantee.