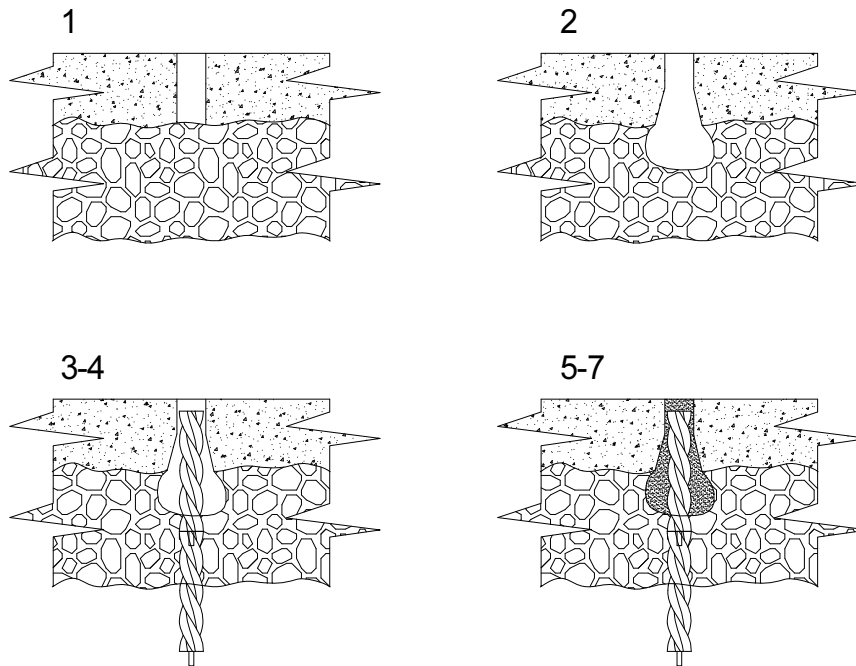




## Piled Support of Failing Thin Existing Floor Slab or Raft



## METHOD STATEMENT

1. Core a hole through the concrete slab/raft at the specified position.
2. Use a hammer drill or breaker to splay the bottom of the hole outwards and remove material from under the concrete to create an undercut area.
3. Drive the QuadraPile through the hole and carry out load testing to the specified requirement.
4. The pile top should be finished 40-80mm below the top of the slab/raft.
5. Fill the undercut area and hole around the pile with cementitious grout.
6. Use an SDS drill to vibrate the pile to make sure that the grout completely fills all voids.
7. Continue adding grout until the level remains constant whilst vibrating.
8. Repeat these steps for additional pile positions.

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

- a. Size of pile and required proof test loads should be specified by the designer.
- b. Hole size should be 120mm diameter for 100mm QuadraPile and 80mm diameter for 64mm QuadraPile.
- c. Pile spacing will usually be in a grid across the slab/raft area but will be dependent on loads to be supported and so should be specified by the designer.
- d. This method is generally suitable for concrete slabs/raft of less than 200mm thickness. See QPR-08 and QPR-10 for thicker slab/raft details.

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

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