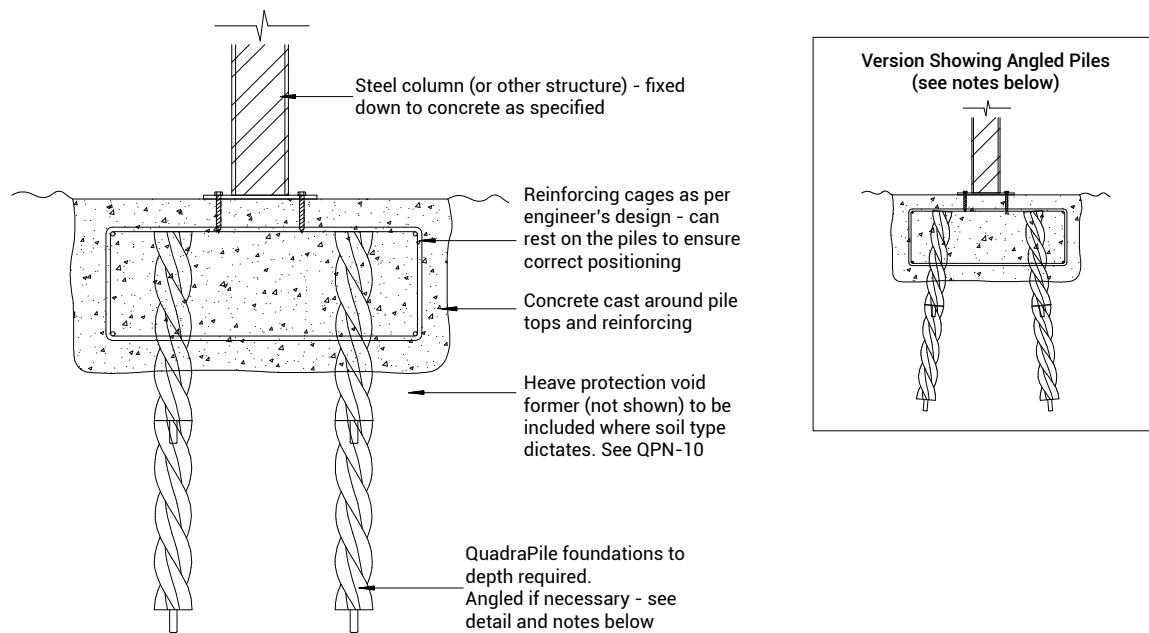


QuadraPile Concrete Pile Cap with Multiple Piles



For use where the required support for a point load exceeds the achievable load on a single QuadraPile. An alternative is to use steel to join the piles, as per QPN-12, which avoids the use of concrete. Two, three, four or more piles can be incorporated into a single pile cap to share the load.

METHOD STATEMENT

1. Excavate or shutter the required area for the cap.
2. Drive piles at the required positions and carry out load testing to the specified requirement.
3. Finish the piles at the required height.
4. Install any heave protection boards required - See QPN-10.
5. Install the reinforcing cages over the piles and use suitable spacers if required.
6. Install any required fixing down points for the steel frame.
7. Pour the concrete to form the cap.

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

- a. Size of piles and required proof test loads should be specified by the designer.
- b. Minimum of 300mm length of the top of the pile is to be cast into the concrete.
- c. Number and spacing of piles will be dependent on loads to be supported and so should be specified by the designer.
- d. If piles need to be closer than 500mm c/c, they can be angled outwards (as shown above) to ensure they work in areas of separate ground. This detail should be specified by the designer.
- e. Typical cap is 450mm deep with 300mm deep reinforcing cages.

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

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