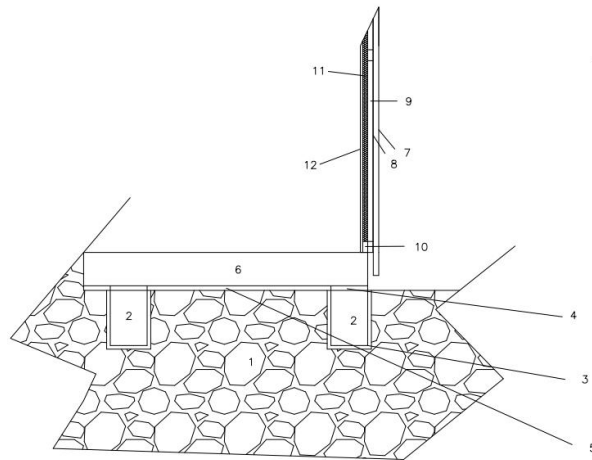


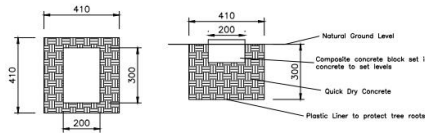
## METHOD STATEMENT FOR PILE FOUNDATIONS ON SITES AFFECTED BY A TPO

1. The proposed method will ensure protection of the underlying roots if required by: – Limiting the depth of the foundation
2. The base area is laid out and location agreed with the customer.
3. Hand-digging holes to allow the local manipulation required to avoid impacting roots. Protecting any roots uncovered through the build  
Piles can be moved & placed along the line from front to back to work around the roots
4. All holes will be dug by hand, to our standard depths within the vicinity of TPO/trees the holes in a TPO protected area will be lined with a thick plastic waterproof membrane.
5. All holes are then tampered down giving a flat bottom, so they can carry the designed load (typically 180 Kilo per pile). then Lining holes with plastic if a root system is within the build area this will ensure no concrete mix comes into contact with root systems.
6. Care is taken to avoid spillage of our concrete mix/powder using protective membrane where necessary at the time of mixing.  
Mixing the concrete away from the site / roots (and on a covered surface)  
Establishing continuous monitoring of the build practices to ensure no trees are impacted
7. The insulated flooring panels are then laid onto the concrete pile system.
  - See details below of our piles system for trees



### Section of Foundation

1. Terrain
2. Composite Concrete Block set in quick dry concrete
3. Lined with plastic to protect roots
4. Composite packer
5. Circulation of Air
6. 80mm steel compiste floor and perimter steel cappings
7. Exterior Cladding
8. Photon Wrap Breathable
9. Cavity/ Electrical wiring
10. Stud Wall
11. Rockwool Insulation
12. Internal Wall Finish



Drawing Title: Foundations where affected by tree roots or a TPD	Number: 1.	Scale: 1:16 All measurements in mm, setup for A3 printing.
Designed By: Rachel Boothaway	Date: 20/07/2022	

Demonstrating a standard pile layout (example building size 4m x 3m).

