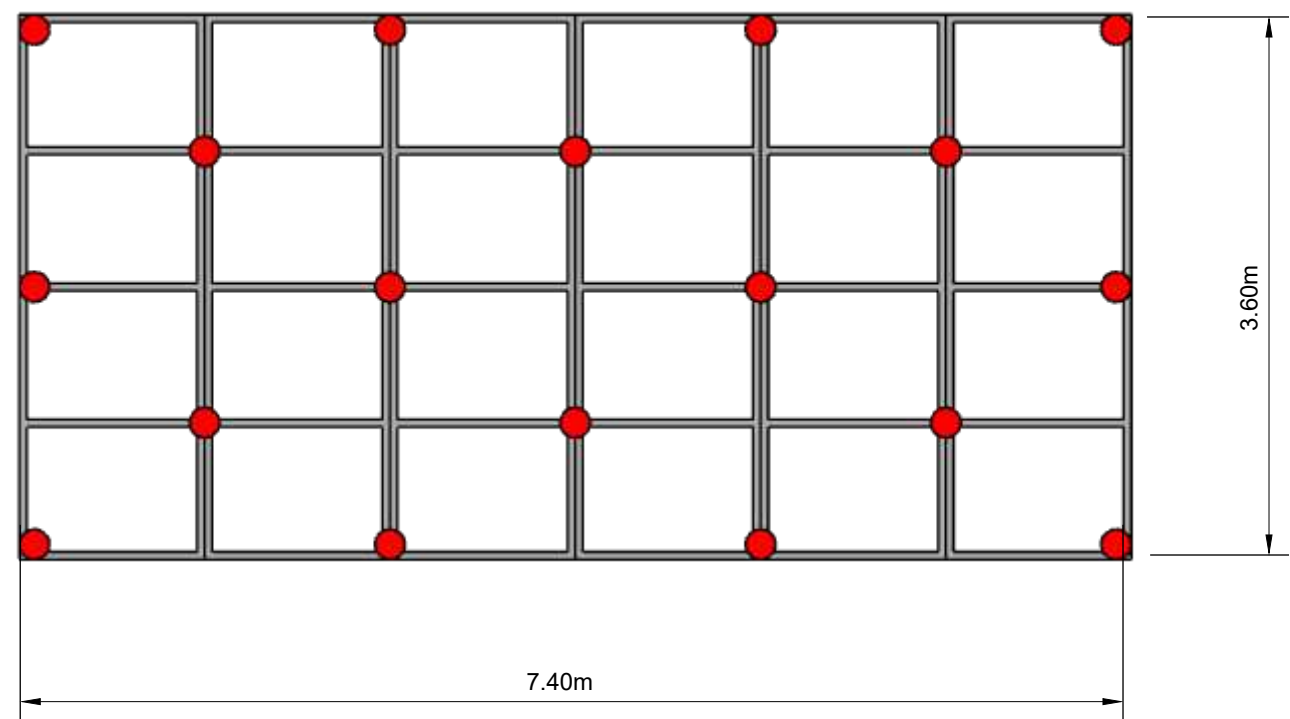


Subframe and Ground Screw Layout



Galvanised subframe: Fabricated from 50 mm box section steel. The subframe will be sectional modular to allow it to be bolted together on site.

Foundation system: The annex will be supported on BBA approved, fully galvanised steel ground screws with 200 mm heads.

Ground screw sizing: Final screw length and specification will be confirmed following a site test prior to installation. Screw lengths will be selected to suit ground conditions, typically in the range of 1200 mm to 2000 mm.

Load testing and safety factor: A compression load test will be carried out by installing a test screw and applying a controlled vertical load to confirm the allowable load capacity per screw. The foundation design will adopt a minimum 50 percent safety margin, meaning the selected screw capacity will be at least twice the required working load (for example, if the required working load is 3 tonnes, a screw with a verified capacity of 6 tonnes will be specified).

