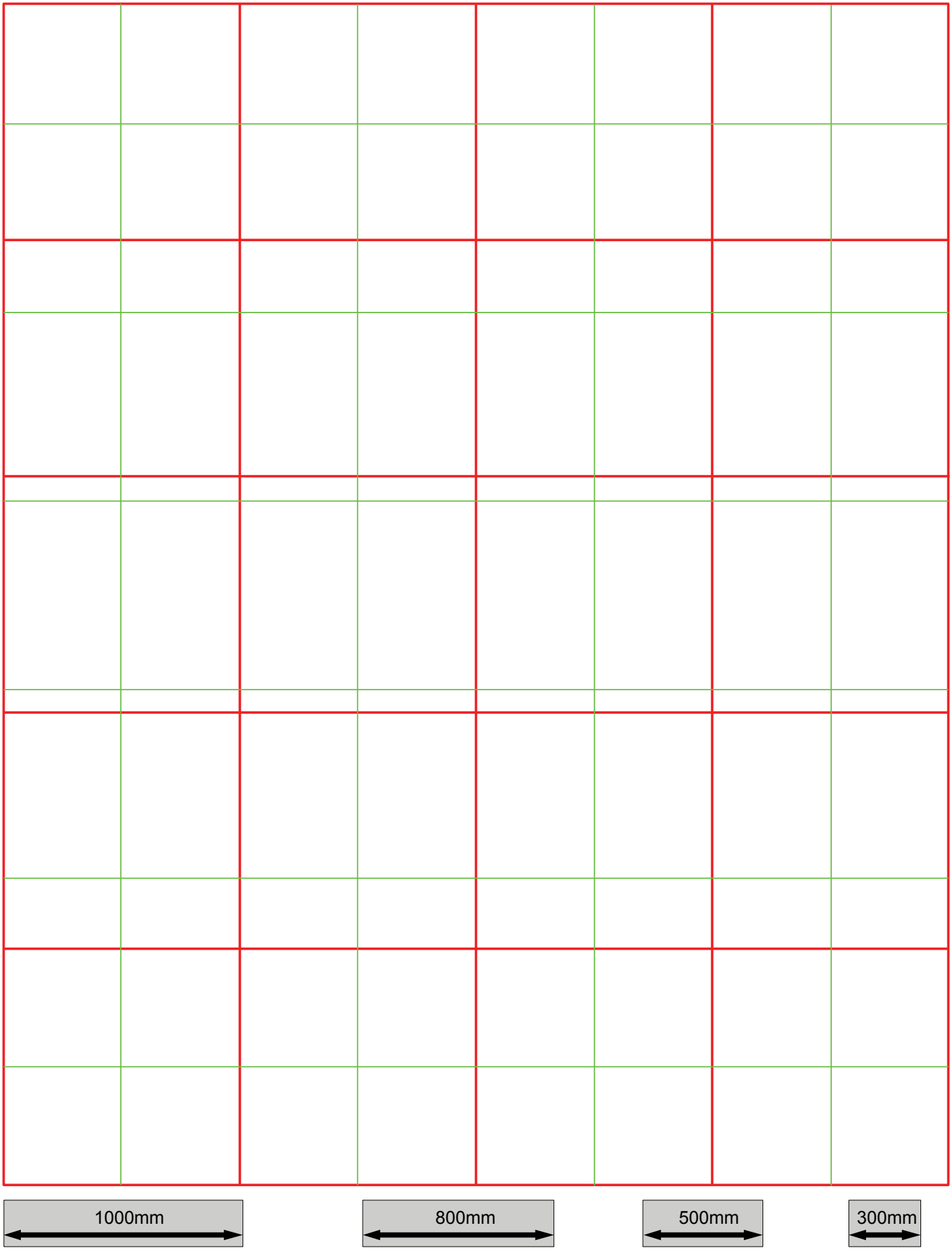
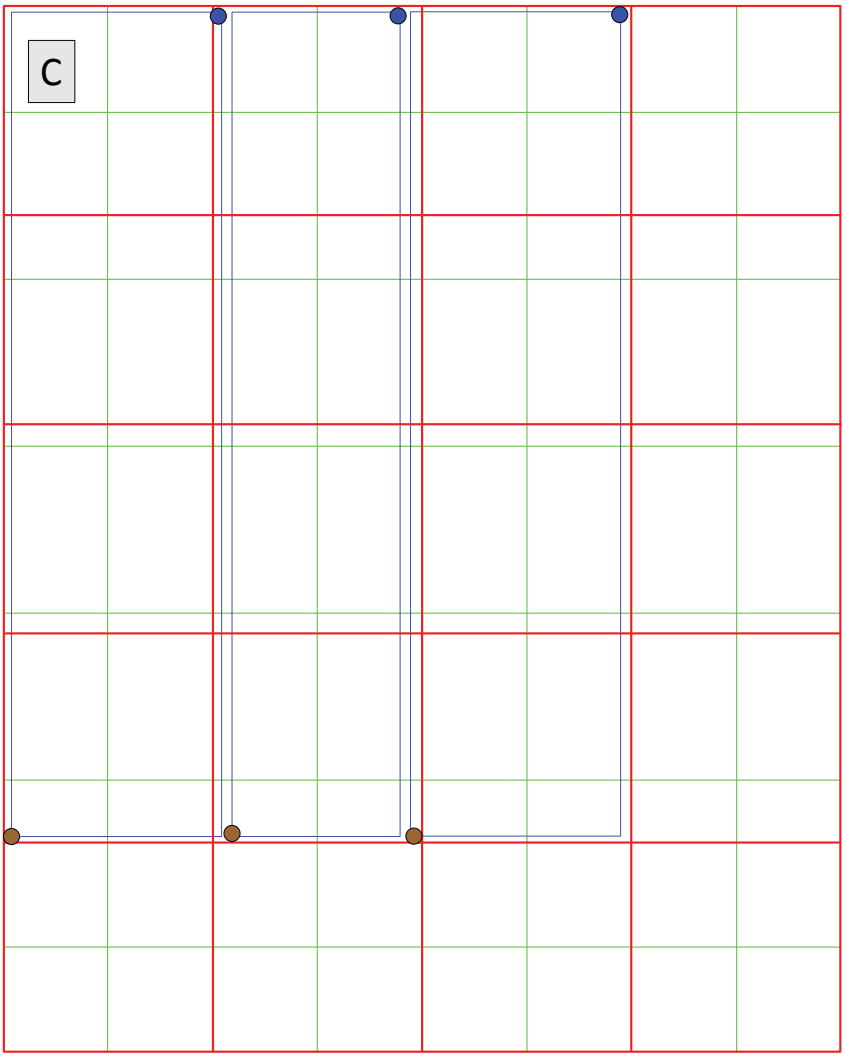
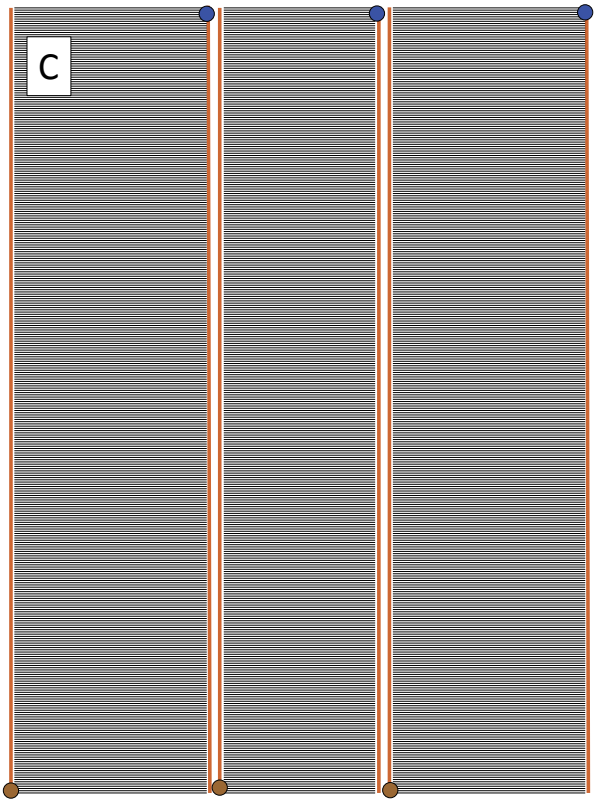
Planning the InfraMat requirement

Plan out the installation for each room by measuring the length and the width and sketch it onto the graph layout shown below. A separate graph sheet will be required for each room. The graph has been set up with red 1m squares and with green 500mm square areas. This layout enables appropriate width of InfraMats to be superimposed for area calculation purposes. Tha available widths of mats of 300mm, 500mm, 800mm and 1000mm are shown to scale underneath the graph. Using a combination of these widths and providing a minimum 100mm (4") clearance between the edge of the mats and the surrounding walls, work out the lengths and widths of mats required for the room. The mats should not overlap and a gap of at least 30mm should be left between the sides of each mat. On the next page will be seen this graph used to portray examples for two rooms. The Controller and Eyelet connection points are also shown as an example.





This is how the graph paper shown left should be used for a 3 x 4 metre room layout. The eyelet positions have been included as has the location of the controller. In this instance two 1000mm wide mats and one 800mm mat have been used. Total power consumption for this arrangement would be about 2460 watts. The illustration below is drawn from the graph.



This is a typical example of the InfraMats being used in a room measuring 3.2metres x 5metres. Because the maximum electrical load which can be placed on a Controller is limited to an area of mats not exceeding 12m^2, two controllers and layouts have been used as the total mat area approximates 15.99m^2. To ensure that a distance of 10mm is maintained between the adjacent mats with a 100mm clearance from the mat edges to walls to allow for the easy introduction of the necessary wiring, one controlled area is made up from 3 x 1000mm widths all being 3.3mm long. The other controlled area has two identical lengths, one being 1000mm wide and the other 800mm wide. All the items can be provided as a No.2 kit and a No. 4 kit.

Total load
2178w

Total load
1306w