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Please see attached an example of how our system works with a typical foundation and slab. On most occasions with small construction projects, Building Control generally want to come to site and review the excavation to approval, prior to pouring of foundations and quite often will not want a formal design. Unless they see something that is of concern.

Building Control will normally want check that the foundation depth is as they would expect and that the foundation is resting on good ground. As a rough rule of thumb, assuming good ground without a formal design.

If your building is:

Up to 10 mtrs wide, 3 mtrs to eaves. Allow a foundation of 600mm cube under each column.

Up to 15 mtrs wide, 5 mtrs to eaves. Allow a foundation of 800mm cube under each column.

Over 15 mtrs wide, 6 mtrs to eaves. Allow a foundation of 1000mm cube under each column.

If you need to conduct a formal design, potentially ground testing will be required to establish ground bearing conditions. Then a Civil Structural Engineer to consider the foundation loads from the building and the ground bearing conditions to establish a precise foundation design.

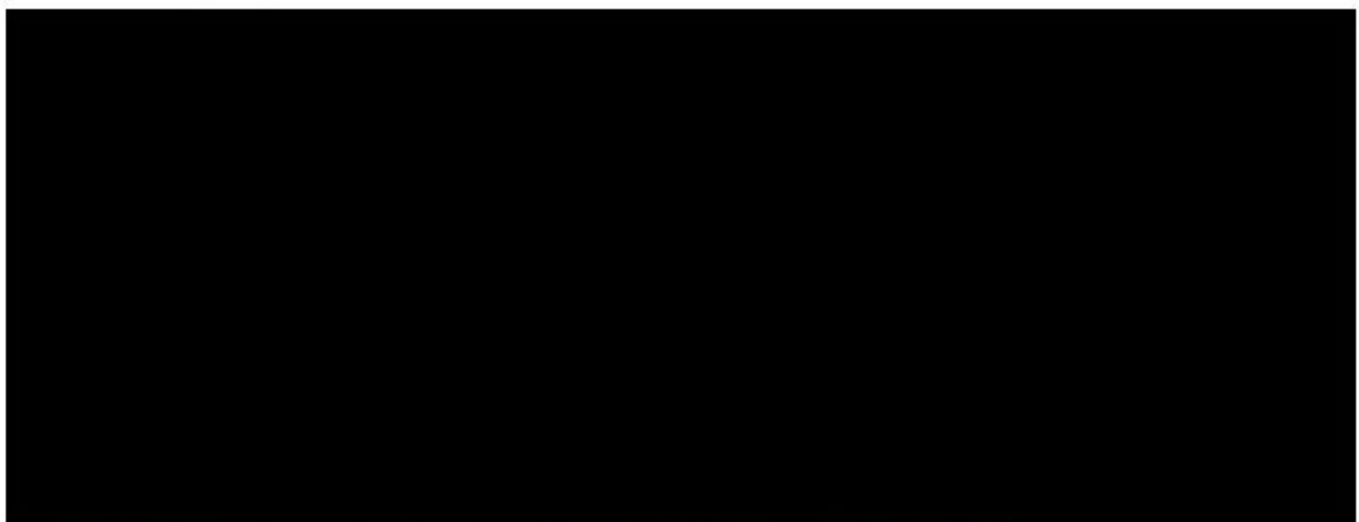
A local engineer may well have a good idea of the ground bearing in your area without ground testing. Omega can provide the foundation loads from the building. The engineer can then conduct a foundation design. We would expect an engineer to charge between £300-400.00 for a foundation design. The cost would increase the more you wanted the engineer to do. For example you may be installing a machine / car ramp that could have turning moments that need considering or you require a drainage design completing, bridging of existing services etc.

A typical floor slab over the foundations would be 150mm deep. You could either use structural fibres to prevent cracking or reinforce the slab with A142 mesh about 50mm from surface. We would expect the slab to be a C35 concrete.

We would obviously like to secure your order, so if there is any more that we can do? Or if you need any aspect of the quotation clarifying or amending? Please do not hesitate to contact a member of the Omega Team; **we are all here to help.**

We look forward to hearing from you.

Kind regards



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