



FLOOD RISK AREAS

Our foundation system allows construction in high flood risk areas.

Advantages



Our methods of building in high flood risk areas ensures future safety for your property / building from flood waters.



Our method of working has many factors that increase the safety on building site and has approval by warranty provider such: NHBC, LABC and Premiere Guarantee.



Lower costs



Does not require piling mats (in 96% of cases)



No excavations for the ground beams.



No pre-cast floor.



No managing costs for the above




This method requires less concrete, less spoil removal, and remarkably reduced vehicle and plant movement. Eventually reducing the carbon footprint in your working areas.



CONSTRUCTION
MUZZY LTD

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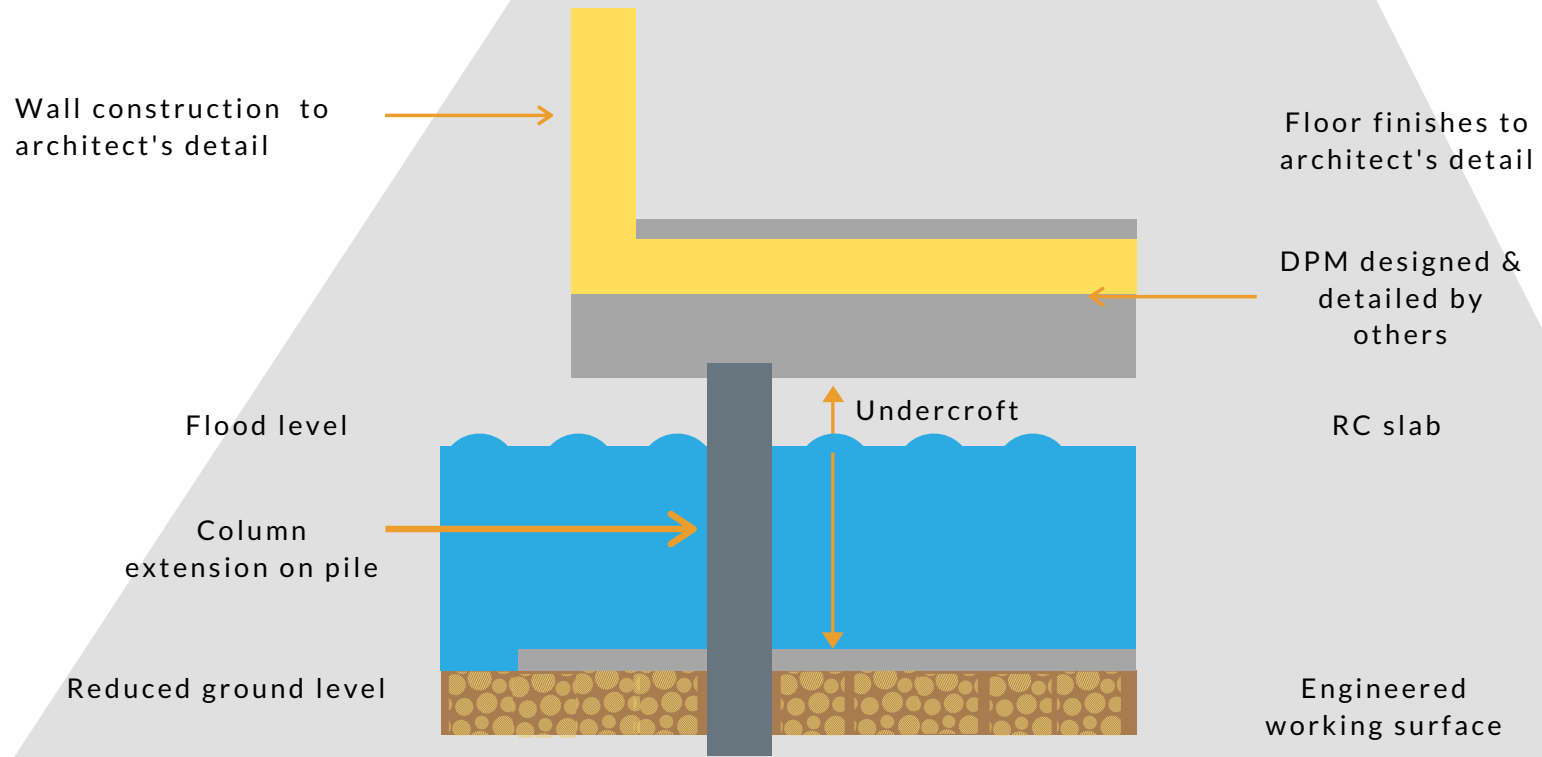
We use methods that allows construction of residential or commercial structures within areas with a high risk of flooding.

Our system creates a clear void beneath your structure to ensure that the potential flood waters stay below the slab level and out of your property.

Our methods can support a range of piling techniques, depending on the ground conditions. The piles are installed on an engineered working surface, and are encased above ground to form columns, upon which the raft is constructed, and the slab is poured.

Our methods are BBA certified and warranty provider approved: NHBC, Premier Guarantee and LABC. All engineered solutions are fully underwritten.

Typical details



Benefits

- Engineered working surface in place of piling mat
- Column formed on top of pile to raise the slab above flood risk level
- Slab profile to clients requirements to provide a high quality finish.



Piling

Once the working surface is cured, the piles are installed. We offer various piling techniques to suit any project.



Columns

Casings are assembled over pile positions, into which concrete is poured to form columns.



Deck support

Once columns have cured they are uncased, and a temporary deck support system is constructed, upon which the raft will be built.



Edge Shuttering & Fix Reinforcement

Next our patented edge systems are installed, followed by the steel reinforcement to create the raft.



Concrete pour

Once final levelling is complete the concrete is poured.



Finished structural slab

The finished slab is ready on average time within a week after the concrete pour.