TARANTO

PRECAST FOUNDATION PACKAGES

WE KNOW CONCRETE

PILING | FOUNDATIONS | PRECAST

EXPERTISE

Precast Foundation Packages provide a complete sub-structure solution for new build domestic dwellings and commercial buildings and can be used when difficult or contaminated site ground conditions are encountered.

The core elements of the foundation package are load bearing piles, PCC pile caps, PCC ground beams and a structural floor. These elements produce a monolithic sub-structure, or ‘tabletop’ allowing follow-on trades to work from a clean, level and dry platform.

Different pile types and techniques can be used with the Foundation Package to best suit the existing site ground conditions.

Suitable pile types include:

- Precast Concrete Driven Piles
- Tubular Steel Driven Piles
- CFA (Continuous Flight Auger) Bored Piles
- Bottom Driven Low Vibration Mini Piles

The most economical and suitable pile type can be assessed from an analysis of the site soil investigation report. Consideration can also be given to the use of low vibration and reduced noise piling techniques for use in residential or environmentally sensitive areas.

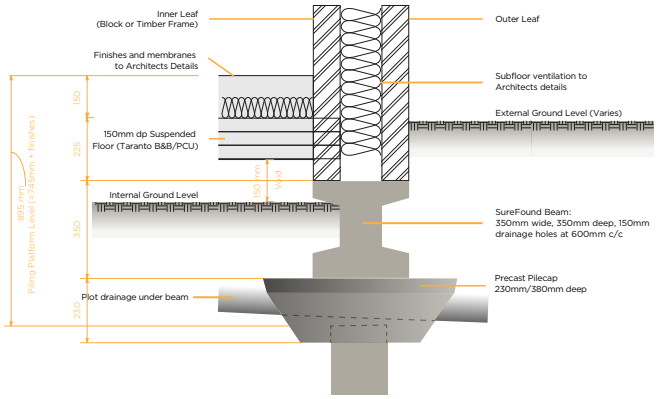
Precast Foundations Packages provide an economical and value-engineered sub-structure, without producing the unnecessary waste of concrete, blockwork and excavation work involved with in-situ and traditional foundation methods.

OUR PRODUCT BENEFITS

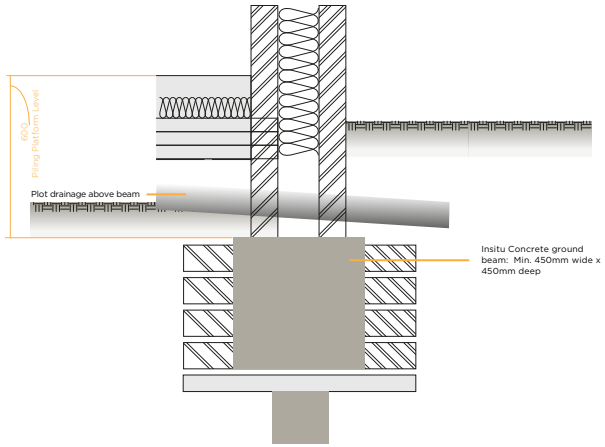
- Single source sub-structure provider
- Minimum excavation and site preparation
- Cost savings on traditional foundation methods (note comparison)
- NHBC and building control approved
- High quality factory produced product to ISO 9001 accreditation
- High accuracy of finished product suitable for timber frame and modular superstructures
- Flexible and bespoke structural design to clients requirements

TARANTO FOUNDATION PACKAGE VS TRADITIONAL CONSTRUCTION METHODS

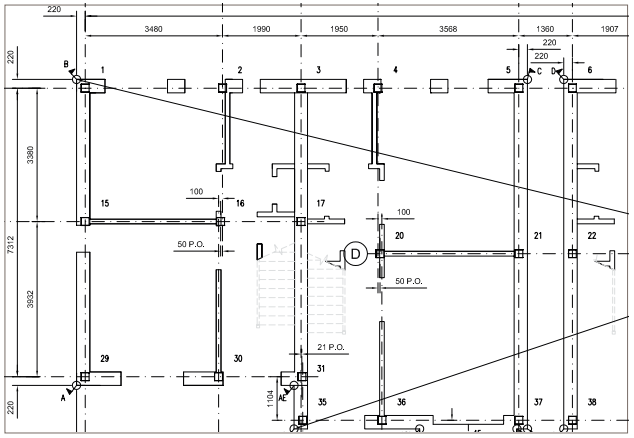
SureFound System



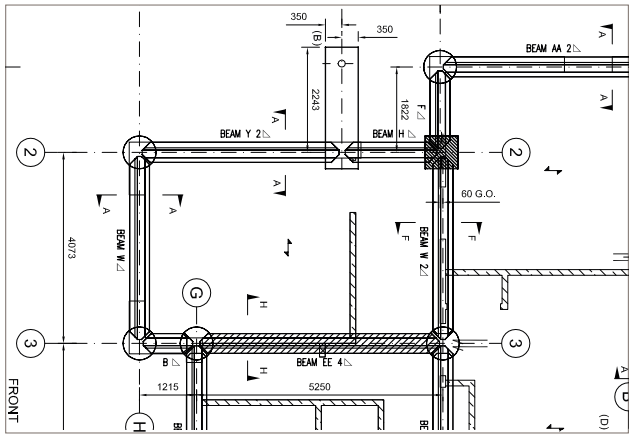
Traditional Insitu Beam System



EXAMPLE PILE LAYOUT DRAWING



EXAMPLE BEAM LAYOUT DRAWING



EXPERIENCE

Taranto has over 20 years' experience of the design, manufacture and installation of Precast Foundation Packages for domestic dwellings and commercial units. Our design team were heavily involved in the research and development of Foundation Packages and have developed the product to suit modern building techniques such as timber frame and modular superstructures.

Our in-house structural design team produce bespoke designs and construction layouts for each project (see pile and beam layouts on previous page); whilst our in-house geotechnical design team analyse site conditions and design a foundation suitable to the building type and to the ground and environmental conditions on site.

The Taranto Foundation Package system has been used on many of the largest housing projects in both the UK and Ireland, as well as new build nursing homes, schools, libraries, council buildings, retail and commercial units.

SOLUTIONS

Taranto is the only company in both the UK and Ireland to design, manufacture and install each of the core elements of the Foundation Package. All of the elements of our **Foundation Package**, **piles**, **pile caps**, **ground beams** and **structural floors**, are designed and manufactured in house and are made to the highest factory standards and accredited with ISO 9001 and CE mark.

Through the use of our full product range, Taranto offers value engineering and considerable cost savings to our clients. We offer the largest range of PCC pile sizes available in the UK and Ireland and our in-house geotechnical design team can choose the most economical and technically suitable pile to meet our clients' needs; there is no need for costly over design and waste with the Taranto Foundation Package.

Our designs are full insured with a continuous professional indemnity policy of £5,000,000 and a full 12 year insurance backed warranty is available on all our design, manufacture and installation works.

TARANTO

bsi. ISO 9001 Quality Management

bsi. ISO 14001 Environmental Management

bsi. OHSAS 18001 Occupational Health and Safety Management

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