Blade Pile Technical Design Manual 27 June 2016

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The Blade Pile Group consists of a group of companies working together to provide piling and foundation systems, technology and services, for the benefit of the Australian and international property development, civil construction and building industries.

The extensive team of Blade Pile Group are now recognised as a world leader in steel screw in piling technology and foundation systems. The inventions and patents owned and operated within the group represent 'World First' foundation technology.

The Blade Pile Group mission is simple. We aim to innovate and produce the highest quality, best performing foundation products, systems and services available.

Brent Shorter
General Manager of Blade Pile Group

1 SCOPE AND GENERAL

1.1 Scope

This Technical Manual provides general guidance for the use of **Blade Pile Group** products and as a "design tool" to specify **Blade Pile Group** products. It covers the design and installation requirements for the use of **Blade Pile Group** products.

The manual also includes a review of the **Blade Pile Group** product range, conducted by Structerre Consulting Engineers, to assist building designers, engineers, installers and associated industry professionals. This includes design tables, design requirements, design procedures and product data to provide cost effective solutions.

Note that the information contained within this technical manual is generic in nature and is not intended to provide specific design. "Site specific" engineering and certification is essential for any pile design and installation certification.

1.2 Applications

This manual is recommended as a design tool for residential, commercial or industrial applications as defined in AS2870-2011 "Residential Slabs and Footings – Construction" and AS2159-2009 – "Piling – Design and Installation".

1.3 Blade Pile Group Capability

Blade Pile Group has the capability and industry knowledge to cater for "site specific" design and applications outside the scope of this manual. Specific pile designs and solutions may be provided for mono directional loadings, combinational loadings, angled installation or high serviceability requirements to name a few.