

Prestressed precast concrete pile (PPCP) is the most common type of pile currently practiced for establishing bridge foundations because it provides for a rapid, economical, and durable ...

In pipe rack module assembly, sections of pipe rack are pre-loaded with the required pipe supports, piping, electrical tray and other design requirements at a fabrication shop, where it is ...

As the demand for renewable energy increases--solar farms are becoming an ideal market for pile driving contractors due to the need for stable, long-lasting foundations that can ...

In April 2024, Yuantai Derun Steel Pipe Group successfully manufactured offshore photovoltaic ground piles, which will provide strong metal material supply for national offshore photovoltaic projects.

The invention discloses a photovoltaic support stand column and prestressed pipe pile connecting system and a working method thereof, which belong to the technical field of photovoltaic...

To study the frost jacking performance of photovoltaic support steel pipe screw pile foundations in seasonally frozen soil areas at high latitudes and low altitudes and prevent ...

A prestressed pipe pile and concrete technology, applied in photovoltaic power generation, sheet pile walls, buildings, etc., can solve problems such as pipe piles are easy to tilt, ...

At present, the most commonly used photovoltaic power plant pipe pile foundations in the market are high-strength prestressed pipe pile foundations and steel screw pile foundations.

PHC pipe piles have strong corrosion resistance and good durability, and their bending stiffness is greater than that of spiral steel piles.

With the aim of providing robust support for the solar energy industry, this study seeks to analyze and compare the lateral ultimate bearing capacity of helical pipe piles and steel pipe piles in clay under ...

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