

ABSTRACT

MECHANICAL JOINT FOR REINFORCED CONCRETE PILE AND METHOD THEREOF

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A mechanical joint and method to connect a first pre-cast pile with a second pre-cast pile to form a continuous pre-cast pile is disclosed. A first end plate is coupled to an end portion of the first pre-cast pile and a second end plate coupled to an end portion of the second pre-cast pile. The first end plate includes four recesses and the second end plate includes four
10 projections. Each of the four projections include a second passage, and the first end plate includes four sockets each defining a first passage extending from a collar plate and through a recess, whereby a bolt passes through the first and second passage to lock together the first and second end plates. The present invention does not require welding process and easy to assemble, leading to an increase in productivity, save time and cost.

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FIG. 1 accompanies the abstract