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## Project Chariot – London Drury Lane

### Screw (Heli) pile construction methodology technical note

This technical note outlines the construction methodology which has been developed alongside Target Structural piling solutions to outline the construction methodology associated with installing screw (Heli) piles at London Drury Lane to support additional loading associated with new sprinkler tanks.

#### Installation

1. Core drill a clearance hole (120mm) through the concrete slab (per Heli Pile position).
2. Scabble clearance hole to provide a key surface.
3. Perform 'spiking' to 4m ensuring no obstructions.
4. Install Heli Piles to an approximate depth of 4-6m. Heli piles are a low intrusive method of installing piles from which no soil arisings are generated. **No spoil removal is required for this process.**
5. Perform the required tensile proof test on each metre installed.

#### Making good

1. Fill the hole to the top of the Heli Pile with Bond Flex cementitious grout
2. Vibrate the top of the pile to ensure Bond Flex fills all voids under the slab and around the pile.
3. Allow Bond Flex to fully cure.

#### End of technical note