



1. All Centrum precast concrete piles are manufactured in accordance with BS EN 12794:2005 and the relevant parts of BS EN 13369:2004.

2. Centrum precast concrete piles satisfy the requirements for class 1 piles in Table 3 of BS EN 12794:2005 and all CPG pile joints comply with class A requirements in Table 4 of BS EN 12794:2005. CPD pile joints comply with class D requirements in Table 4 of BS EN 12794:2005. All Centrum precast concrete piles carry CE conformity marking in compliance with the Construction Products Regulations.

3. Concrete is class C50/60 in accordance with BS EN 206-1:2000, BS 8500-1:2006 and BS 8500-2:2006. The mix design produces concrete which satisfies the requirements of exposure class XC2 as defined in Table 1 of BS EN 206-1:2000 and design chemical (DC) class DC-4 according to BRE Special Digest 1:2005.

4. Unless otherwise stated longitudinal reinforcement comprises 12mm high yield de-coiled steel of grade 500A or 500B to BS 4449:2005, grade 460B to BS 4449:1997, BSt 500 WR to DIN 488 or equivalent. Transverse reinforcement comprises 5mm diameter continuous square helical wire grade of 500 to BS 4482:2005 or BSt 500 G to DIN 488 or equivalent. Nominal cover to the helical reinforcement is 30mm.

5. Other than the piles manufactured to special order detailed in Table 1, piles of total length in excess of 12/13 metres will require the use a joint(s).

6. Refer to drawing ref: CQP05/D4 for special pile details.

**Table 1**

Pile section size in mm (dimension A)	Type(s) (no. of T12 main bars)	Maximum single segment length (standard)	Maximum single segment length (to special order)	Joint Type
200	4/6	12	12	A D
250	4/6/8	13	16	A D
300	8/12/16	13	16-18*	A D
350	8/12/16/20	13	16-18*	A -
400	8/12/16/20	13	16-18*	A -

\* 16 - 18 metre long segments require sufficient lead time for setting up non-standard moulds and manufacturing capacity

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Drawn by:	TTD
Checked by:	JW
Date:	Sept 2013
Drawing ref:	CQP05/D3

NOT TO SCALE

# STANDARD PILE SEGMENT DRAWING