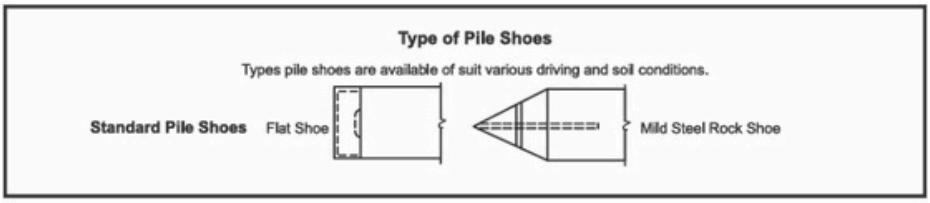
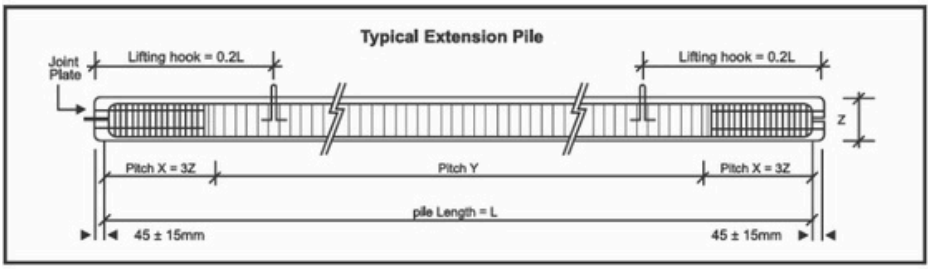
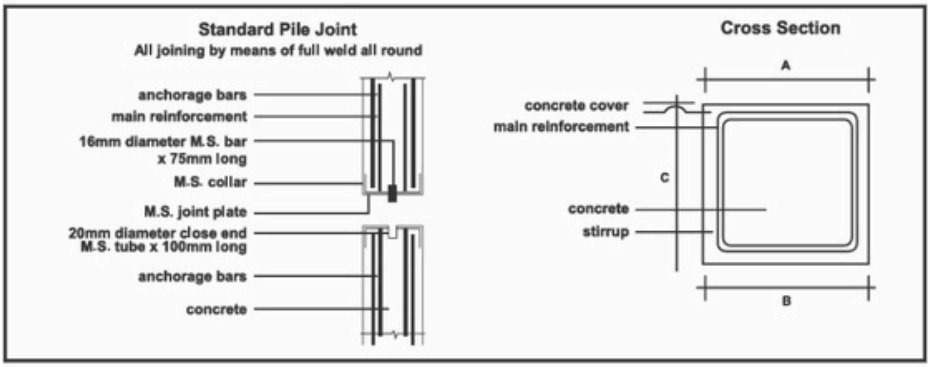
REINFORCEMENT CONCRETE PILE







Constituent Materials	
Cement	MS 522 ordinary portland cement
Steel Reinforcement	BS 4449 / MS 146
Aggregates	BS 882 / MS 29 mining sand / 20mm aggregates
Admixture	BS 5075 / MS 922 super plasticizer
Cold Drawn Wire	BS 4482 / MS 144 lateral reinforcement stirrup
Mild Steel Plate	BS EN 10137-1 end plate (Grade 43A)

STANDARD DIMENSION

Dimension					Main Reinforecement Bar nos x dua mm	Wire Rods			Plate Thickness mm	Concrete Cover mm	Axial Load Capacity	
Size mm	Length m	A mm	B mm	C mm		Wire Diameter mm	Stirrups				Max Safe Structural Working Load (tonnes)	Recommended Working Load (tonnes)
							Pitch X mm	Pitch Y mm			Concrete Grade N/mm 50	
150 X 150	6 , 3	153	147	150	4 X T9	4.5	40	90	4.5	30	35	28
200 X 200	6 , 3	203	197	200	4 X T10	4.5	35	100	6	30	61	48
200 X 200	6 , 3	203	197	200	4 X T12	4.5	35	100	6	30	61	48

TECHINICAL CALCULATIONS

Capacity of RC Piles in accodance to standard specified.
Safe working load = 0.275fcu *AC + fsc *AS
where,
fcu = characteristic strenght of concrete at 28 days (45N/mm)
AC = area of concrete
AS = area of main reinforcement
fsc = 175N/mm for high yield steel
*** The acial load capacities are based on the structural capacities of RC pile and actual pile bearing capacities may need to consider the geotechnical factor.**

OWN PRODUCTION

**The above measurements are based on standard measuring methods. Actual sizes may vary slightly.*
**Our company reserves the right to modify the above sizes without prior notice.*

CONCRETE