COLUMN HEIGHT FROM GROUND (mm)	PLANTING DEPTH 'X' (mm)	MAXIMUM HEIGHT TO TOP OF BASE 'Y' (mm)	EXTERNAL DIAMETER OF BASE 'Z' (mm)	DIAMETER OF EXCAVATION (M)	VOLUME OF EXCAVATION (M^3)
5000 (R&L)	800	1200	139.7	0.440	0.12
6000	1000	1075	139.7	0.440	0.15
6000 (R&L)	1000	1200	139.7	0.440	0.15
8000	1200	1400	168.3	0.468	0.21
10000	1500	1800	168.3	0.468	0.21
12000	1700	1900	193.7	0.494	0.29

NOTE:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED

METHOD:

- A LAYER OF WELL COMPACTED ST CONCRETE 100mm THICK SHALL BE PLACED IN THE BOTTOM OF THE EXCAVATION AT THE LEVEL NECESSARY TO OBTAIN THE REQUIRED PLANTING DEPTH OF THE COLUMN.
- THE CABLE ENTRY SLOT SHALL BE TEMPORARILY PLUGGED AS NECESSARY IN ORDER TO PREVENT AND INGRESS OF CONCRETE OR FILLING MATERIAL DURING THE CONCRETING AND BACKFILLING OPERATIONS.
- ABOVE THE CONCRETE BASE, COLUMNS SHALL BE PLACED IN THE EXCAVATION AND BACKFILLED ABOVE THE LEVEL OF CONCRETE AS FOLLOWING:-
- THE COLUMN ROOT IS TO BE SURROUNDED TO THE LEVEL OF THE CABLE ENTRY SLOT WITH ST5 CONCRETE, WELL COMPACTED BY VIBRATION OVER THE FULL PLANTING DEPTH OF THE COLUMN.
- THE HOLE IS TO BE BACKFILLED WITH MATERIAL PLACED IN 150mm THICK LAYERS AND SHALL BE WELL RAMMED AND COMPACTED IN ORDER TO PROVIDE FULL LATERAL SUPPORT TO THE PLANTING DEPTH OF THE COLUMN.
- THE BACKFILL MATERIAL SHALL BE PLACED TO A LEVEL WHEREBY PERMANENT REINSTATEMENT OF THE FOOTWAY CAN BE UNDERTAKEN.
- A DUCT EQUAL TO THE SIZE OF THE CABLE ENTRY SLOT, SHALL BE FORMED THROUGH THE BACKFILL MATERIAL USING A SUITABLE PREFORMED LINING TUBE CAPABLE OF RETAINING ITS CROSS-SECTIONAL SHAPE DURING COMPACTION.
- IF THE BACKFILLING OF FOUNDATIONS ARE DISTURBED FOR ANY REASON, THE FOUNDATION SHALL BE REINSTATED.

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