



BAR SCHEDULE – EXTENDED CHIMNEY (+50cm)										
Member	Bar mark	Type and size	No. of bars	Length of each bar mm	Shape code	A mm	B mm	C mm	D mm	E/R mm
Chimney	1	X20	8	2350	37	350	2000	–	–	–
Chimney	2	X8	8	2100	61	500	500	–	–	–
Chimney	3	X8	3	1550	61	360	360	–	–	–
Pod	4	X25	4	3500	–	2840	600	180	–	150
SUMMARY OF MATERIALS AND WORKS (ONE LEG)							ø20	ø20	ø8	
Total length per dia. :						m	14.2	18.8	21.5	
Unit weight of reinforcing steel :						kg	3.854	2.467	0.395	
Total weight of reinforcing steel (per dia) :						kg	54.7	46.4	8.5	
Total weight of reinforcement :							108.9 Kg			
Excavation :					1.416 m ³	Concrete :		1.054 m ³		
Backfilling :					0.719 m ³	Blinding :		0.085 m ³		
						Mortar :		0.0147 m ³		

GENERAL NOTES:

1. DIMENSIONS IN cm OR AS SPECIFIED.
2. STUB ANGLE MODIFIED FROM DRAWING NO. KC06.0040_OHL_STR_22-05-04 sh.013.
3. DIMENSION "T" TO BE CHECKED WITH TOWER'S ERECTION DRAWINGS.
4. IF ROCK LEVEL IS LOWER THAN $D_R = 80\text{cm}$ THE TOTAL DEPTH OF THE FOUNDATION SHALL BE INCREASED TO ENSURE THE MINIMUM 30cm EMBEDMENT OF THE PAD IN ROCK.

CONCRETE MATERIAL:-

1. MINIMUM 28 DAYS COMPRESSIVE STRENGTH: 25 N/mm².
2. GROUT SHALL HAVE 28 DAYS COMPRESSIVE STRENGTH OF 30MPa (ACI 318) WITH PORTLAND CEMENT, WATER AND SAND (MAX.SIZE 1-3mm).
3. CONCRETE COVER: 5 cm.
3. LEAN CONCRETE SHALL HAVE THE FOLLOWING RATIO OF
CEMENT : FINE AGGREGATE : COARSE AGGREGATE = 1 : 3 : 5, MEASURED BY VOLUME.

REINFORCING STEEL MATERIAL:

1. ϕ = REBAR DIAMETER IN mm.
2. REINFORCED CONCRETE DESIGN, BAR SCHEDULE, DETAILING AND EXTENSIONS OF REBARS WILL BE ACCORDING TO BS 8110 AND BS 4466. REBAR EXTENSION BY OVERLAPPING ON 50 DIA.
3. MAIN REINFORCEMENT SHALL BE DEFORMED BARS OF HIGH TENSILE STEEL WITH MINIMUM YIELD STRENGTH: $F_y=500$ N/mm².
4. LINKS SHALL BE OF PLAIN BARS OF MILD STEEL WITH MINIMUM YIELD STRENGTH: $F_y=240$ N/mm².

[illegible]