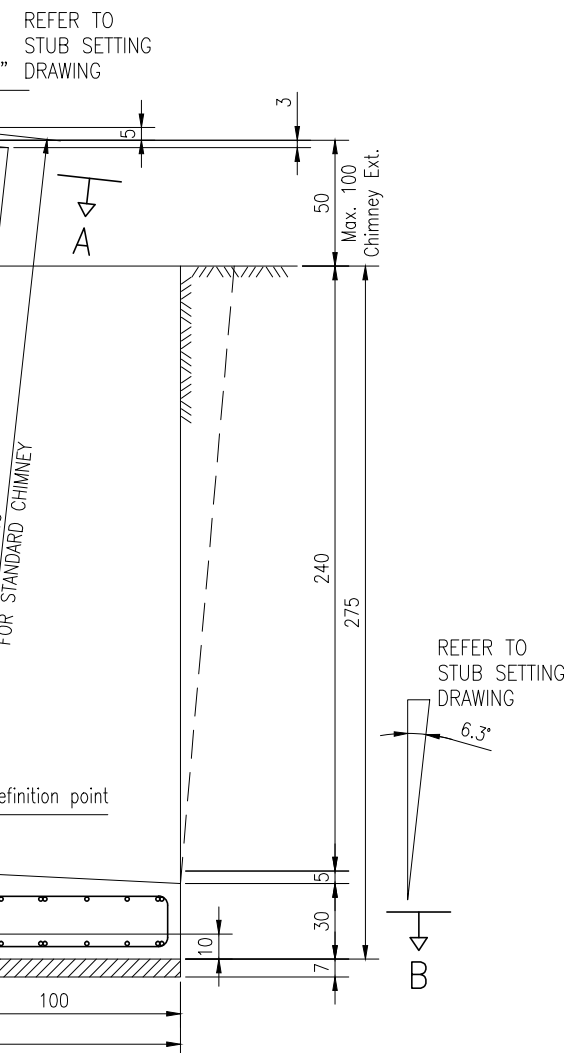


BAR SCHEDULE – EXTENDED CHIMNEY (+50cm)										
Member	Bor mark	Type and size	No. of bars	Length of each bar mm	Shape code	A mm	B mm	C mm	D mm	E/R mm
Chimney	1	X20	16	4050	37	350	3670	–	–	–
Chimney	2	X8	15	2100	61	500	500	–	–	–
Chimney	3	X8	7	1550	61	360	360	–	–	–
Pad	4	X12	88	2900	38	200	2500	200	–	–
SUMMARY OF MATERIALS AND WORKS (ONE LEG)							ø20	ø12	ø8	
Total length per dia. :						m	64.8	255.2	42.4	
Unit weight of reinforcing steel :						kg	2.467	0.888	0.395	
Total weight of reinforcing steel (per dia) :						kg	159.9	226.6	16.7	
Total weight of reinforcement :									403.2	Kg
Excavation : 19.063 m <sup>3</sup>						Concrete :	3.404 m <sup>3</sup>			
Backfilling : 16.016 m <sup>3</sup>						Blinding :	0.473 m <sup>3</sup>			

1.  $\phi$  = 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/mm<sup>2</sup>.
4. LINKS SHALL BE OF PLAIN BARS OF MILD STEEL WITH MINIMUM YIELD STRENGTH:  $F_y=240$  N/mm<sup>2</sup>.



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