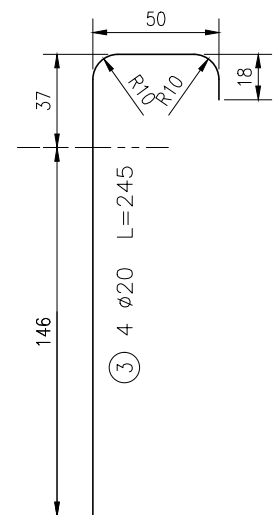
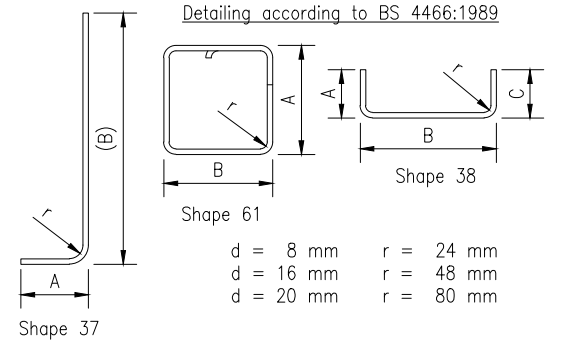
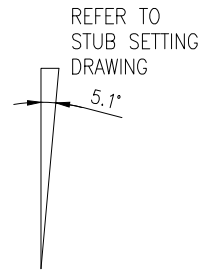
[illegible]

① 12 Ø16 L=175



SUMMARY OF MATERIALS AND WORKS (ONE LEG)		ø20	ø16	ø8
Total length per dia. :	m	9.8	21.0	10.2
Unit weight of reinforcing steel :	kg	2.467	1.579	0.395
Total weight of reinforcing steel (per dia) :	kg	24.2	33.2	4.0
Total weight of reinforcement :		61.4 Kg		
Excavation : 0.948 m <sup>3</sup>	Concrete :	0.593 m <sup>3</sup>		
Backfilling : 0.476 m <sup>3</sup>	Blinding :	0.057 m <sup>3</sup>		
	Mortar :	0.0099 m <sup>3</sup>		

SUMMARY OF MATERIALS AND WORKS (ONE LEG)		ø20	ø16	ø8
Total length per dia. :	m	9.8	27.0	13.6
Unit weight of reinforcing steel :	kg	2.467	1.579	0.395
Total weight of reinforcing steel (per dia) :	kg	24.2	42.6	5.4
Total weight of reinforcement :		72.2 Kg		
Excavation :	0.948 m <sup>3</sup>	Concrete :	0.720 m <sup>3</sup>	
Backfilling :	0.476 m <sup>3</sup>	Blinding :	0.057 m <sup>3</sup>	
		Mortar :	0.0099 m <sup>3</sup>	

1. DIMENSIONS IN cm OR AS SPECIFIED.
2. STUB ANGLE MODIFIED FROM DRAWING NO. KC06.0040\_OHL\_STR\_22-05-02 sh.016.
3. DIMENSION "T" TO BE CHECKED WITH TOWER'S ERECTION DRAWINGS.
4. IF ROCK LEVEL IS LOWER THAN  $D_b = 80\text{cm}$  THE TOTAL DEPTH OF THE FOUNDATION SHALL BE INCREASED TO ENSURE THE MINIMUM 30cm EMBEDMENT OF THE PAD IN ROCK.

1. CONSIDERED WATER LEVEL IS ALWAYS BELOW FOUNDATION.
2. SOIL TYPE ROCK:
  - 2.1. SOIL UNIT WEIGHT:  $1900 \text{ kg/m}^3$ .
  - 2.2. ULTIMATE BEARING CAPACITY:  $30 \text{ daN/cm}^2$ .
  - 2.4. ALLOWABLE BEARING CAPACITY:  $10 \text{ daN/cm}^2$ .
3. LOADING AS SHOWN IN TOWER DESIGN CALCULATION.
4. IF ANY OF THE ABOVE ASSUMPTIONS ARE FOUND TO BE INVALID IMMEDIATELY CEASE CONSTRUCTION AND CONTACT THE ENGINEER.

1. MINIMUM 28 DAYS COMPRESSIVE STRENGTH: 25 N/mm<sup>2</sup>.
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.

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:  $F_y=500 \text{ N/mm}^2$ .
4. LINKS SHALL BE OF PLAIN BARS OF MILD STEEL WITH MINIMUM YIELD STRENGTH:  $F_y=240 \text{ N/mm}^2$ .

[illegible]