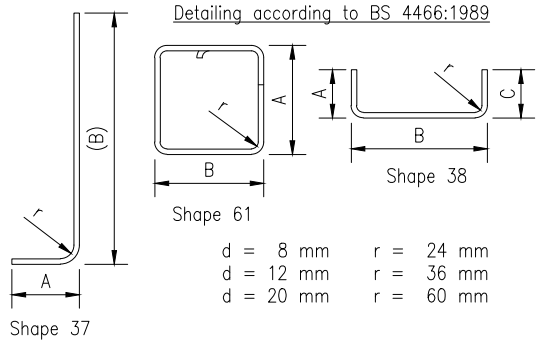
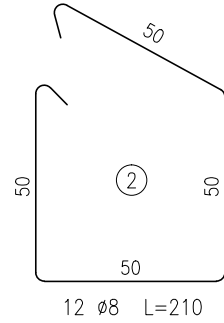
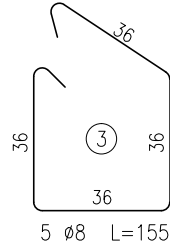
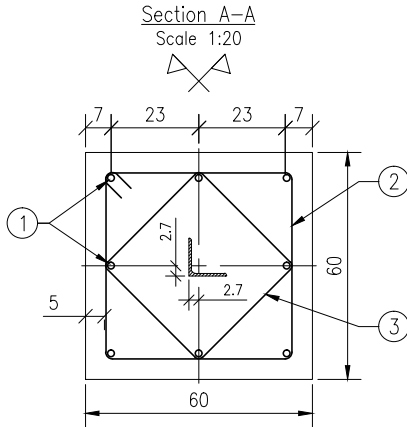


BASE WIDTH [mm]		
TOWER TYPE	BODY EXT.	T
M	+0	4800
	+3	5400
	+6	6000



BAR SCHEDULE – STANDARD CHIMNEY									
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	3200	37	350	2850	–	–
Chimney	2	X8	12	2100	61	500	500	–	–
Chimney	3	X8	5	1550	61	360	360	–	–
Pad	4	X12	48	2500	38	200	2100	200	–
SUMMARY OF MATERIALS AND WORKS (ONE LEG)						ø20	ø10	ø8	
Total length per dia. :						m	25.6	120.0	33.0
Unit weight of reinforcing steel :						kg	2.467	0.888	0.395
Total weight of reinforcing steel (per dia) :						kg	63.2	106.6	13.0
Total weight of reinforcement :									182.8 Kg
Excavation : 12.197 m³						Concrete :			2.499 m³
Backfilling : 9.873 m³						Blinding :			0.339 m³

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	3750	37	350	3360	–	–
Chimney	2	X8	14	2100	61	500	500	–	–
Chimney	3	X8	6	1550	61	360	360	–	–
Pad	4	X12	48	2500	38	200	2100	200	–
SUMMARY OF MATERIALS AND WORKS (ONE LEG)						ø20	ø12	ø8	
Total length per dia. :						m	30.0	120.0	38.7
Unit weight of reinforcing steel :						kg	2.467	0.888	0.395
Total weight of reinforcing steel (per dia) :						kg	74.0	106.6	15.3
Total weight of reinforcement :									195.9 Kg
Excavation : 12.197 m³						Concrete :			2.681 m³
Backfilling : 9.873 m³						Blinding :			0.339 m³

#### NOTES:

##### GENERAL NOTES:

- DIMENSIONS IN cm OR AS SPECIFIED.
- STUB ANGLE DRAWING NO. KC06.0040\_OHL\_STR\_22-05-03 sh.016.
- DIMENSION "T" TO BE CHECKED WITH TOWER'S ERECTION DRAWINGS.
- THIS FOUNDATION SHALL BE USED IN LOCATION WHERE THE ALLOWABLE BEARING CAPACITY OF THE SOIL IS BETWEEN 1.3 daN/cm² AND 2 daN/cm², ACCORDING TO GEOTECHNICAL SURVEY REPORT.

##### FOUNDATION DESIGN PARAMETERS:

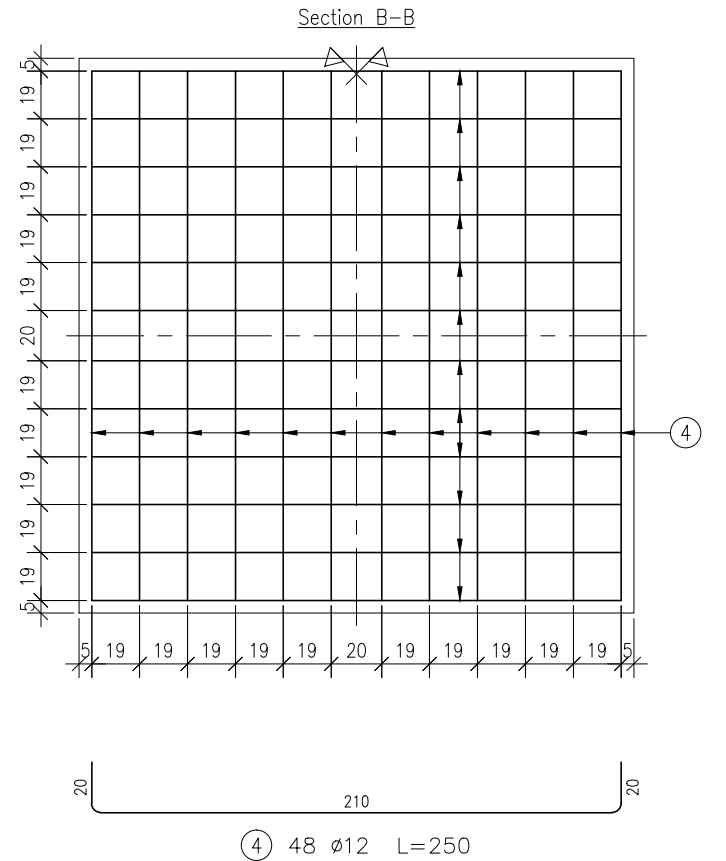
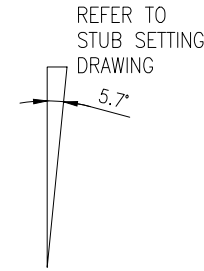
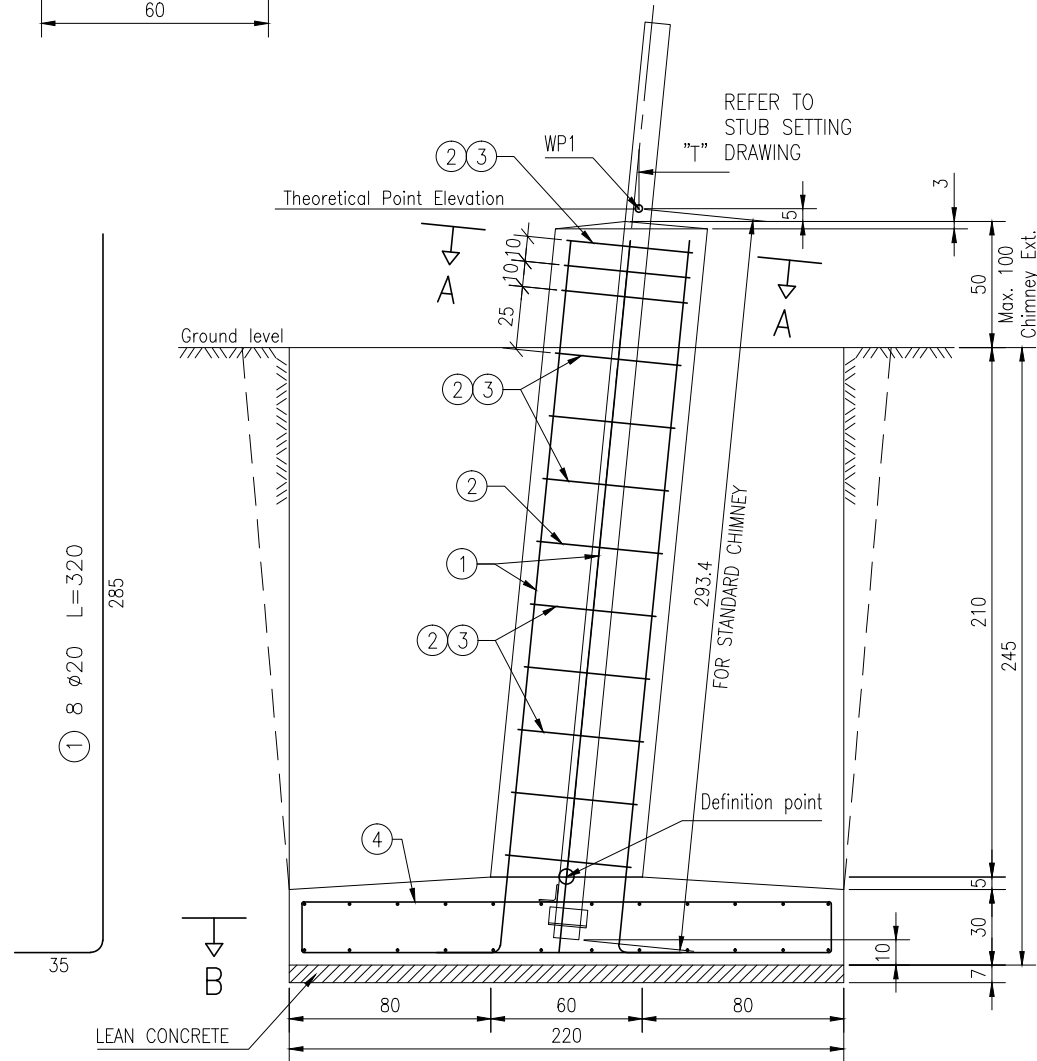
- CONSIDERED WATER LEVEL IS ALWAYS BELOW FOUNDATION.
- SOIL TYPE 2:
  - SOIL ANGLE OF REPOSE: 20°.
  - SOIL UNIT WEIGHT: 1500 kg/m³.
  - ULTIMATE BEARING CAPACITY: 4 daN/cm².
  - ALLOWABLE BEARING CAPACITY: 1.3 daN/cm².
- LOADING AS SHOWN IN TOWER DESIGN CALCULATION.
- IF ANY OF THE ABOVE ASSUMPTIONS ARE FOUND TO BE INVALID IMMEDIATELY CEASE CONSTRUCTION AND CONTACT THE ENGINEER.

##### CONCRETE MATERIAL:

- MINIMUM 28 DAYS COMPRESSIVE STRENGTH: 25 N/mm².
- CONCRETE COVER: 5 cm.
- LEAN CONCRETE SHALL HAVE THE FOLLOWING RATIO OF CEMENT : FINE AGGREGATE : COARSE AGGREGATE = 1 : 3 : 5, MEASURED BY VOLUME.

##### REINFORCING STEEL MATERIAL:

- Ø = REBAR DIAMETER IN mm.
- 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.
- MAIN REINFORCEMENT SHALL BE DEFORMED BARS OF HIGH TENSILE STEEL WITH MINIMUM YIELD STRENGTH:  $F_y=500$  N/mm².
- LINKS SHALL BE OF PLAIN BARS OF MILD STEEL WITH MINIMUM YIELD STRENGTH:  $F_y=240$  N/mm².



01	27/05/13	First issue;			