



SECTIONAL POLES
 A division of Harrison & White
 Investments (Pty) Ltd
 REG. NO. 2000/028373/07

Drawing Number
 FD-100.pdf

DL: G.E

Mast/Structure Description: 12m Sc Mast, 4x400W, Cat2, Hasl: 0m

Bending Moment (ULS): 33.9 kNm
 Shear Force (ULS): 4.3 kN
 Structure Mass: 374.9 kg
 Applied vertical force (ULS): 0.0 kN
 Required Soil Pressure: 142.5 kPa

Concrete Volume: 1.3 m³
 Concrete Strength: 25 MPa
 Reinforcement Mass: 77.9 kg
 Reinforcement Strength: 450 MPa
 Excavation Volume: 2.8 m³
 Backfill Volume: 1.6 m³

Behera
 02/04/12

ISSUED FOR CONSTRUCTION

Site Name: Bayhead

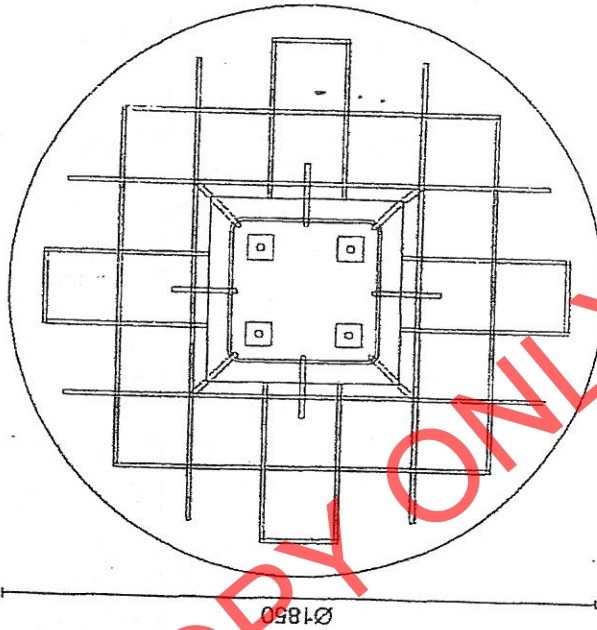
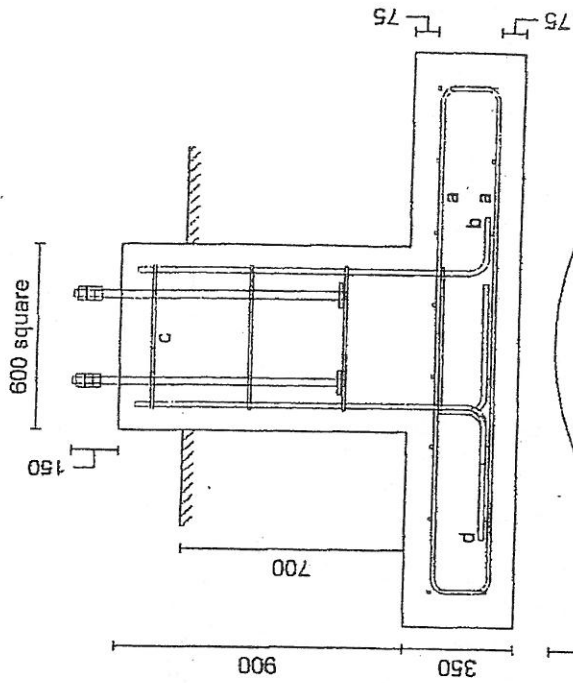
Ref. No.: 28939A Date: 2014

Signature: *my*

12m Sc Mast As Is

Shape codes and dimensions of steel reinforcement according to SABS 82:

| Ref. | Quantity | | Diameter | | Full Length | | Diagram | Shape Code |
|------|----------|--------|----------|--------|-------------|--------|---------|----------------------|
| | Top | Bottom | Top | Bottom | Top | Bottom | | |
| a1 | 4 | 4 | 12 | 12 | 1894 | 1894 | A=160 | C=160 |
| a2 | 4 | 4 | 12 | 12 | 1755 | 1755 | B | |
| a3 | 4 | 4 | 12 | 12 | 1430 | 1430 | | |
| a4 | 4 | 4 | 12 | 12 | 504 | 504 | | |
| b | 8 | | 16 | | 1251 | | A=190 | B=1101 |
| c | 4 | | 10 | | 1907 | | A | A, B=470 |
| d | 8 | | 16 | | 1409 | | B | A, C, D=422 B=152 |



- Notes:
1. Foundation Bolts per Plynth: 4x M24Plate, 280 mm Square, UTS 550 MPa min, fixing templates to be placed at top and bottom of bolts before casting
 2. Positioning of stools (Ref. d) to be determined on site to provide sufficient support between Top and Bottom bars (Ref. a)
 3. Bottom and top reinforcement mats each consist of 8 x 8 bars at 232 mm spacing