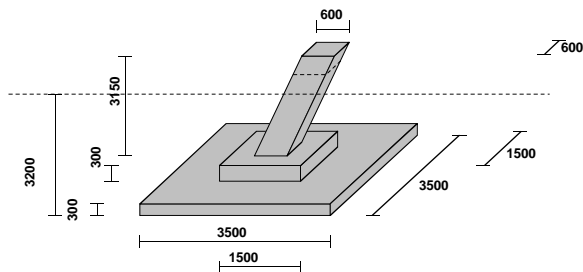


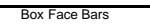
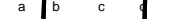
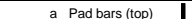



Plan View

General Layout (dashed line = NGL)



| Bar Mark | Bending Schedule Shape (not to scale) | Bending Schedule | | | | | | | | |
|----------|---|------------------|-------------|--------|-----------|------|------|------|------|------------|
| | | Shape Code | No. of bars | Dia mm | Length mm | a mm | b mm | c mm | d mm | Spacing mm |
| ① |  Column bars a | 34 | 8 | Y16 | 4100 | 3800 | | | | 260 |
| ② |  Column stirrups a | 60 | 13 | R10 | 2300 | 520 | 520 | | | 325 |
| ③ |  Box Face Bars a b c d | 53 | 16 | Y12 | 3400 | 550 | 476 | 1400 | 476 | 203 |
| ④ |  Pad bars (top) a | 35 | 40 | Y12 | 3650 | 3400 | | | | 180 |
| ⑤ |  Pad bars (bottom) a | 35 | 40 | Y12 | 3650 | 3400 | | | | 180 |
| ⑥ |  Stools b a b c | 83 | 25 | R10 | 800 | 200 | 164 | 150 | | ±1000 |

Pricing Parameters

| Steel Weight (kg) | Concrete Volume (m ³) | Formwork surface area (m ²) | Excavation volume (m ³) | Excavation surface area (m ²) | Stub weight (kg) |
|-------------------|-----------------------------------|---|-------------------------------------|---|------------------|
| 338.23 | 5.48 | 9.67 | 39.20 | 57.05 | 273.98 |

Quantities are based on dimensions of design drawings

NO Allowances have been made for material wastage or overbreak

Design Loads (incl. load factor)

| Compression kN | Uplift kN | Transverse kN | Longitudinal kN | Moment kN-m |
|----------------|-----------|---------------|-----------------|-------------|
| 1153.20 | 963.60 | 55.20 | 8.40 | 0.0 |

Note:

- 1 Reinforcing layout diagrams are not to scale.
- 2 All design data and Construction to Specification TRMCAAC1 Rev 3.
- 3 Concrete strength: 25 MPa minimum at 28 days.
- 4 Construction joint between column and the pad to be scabbled and painted with cement slurry or wet/dry epoxy.
- 5 Bottom end of tower stub is always in the centre of the pad in both the transverse and longitudinal directions
- 6 The Side and Plan Views are only schematic and not to scale.

Stub and column true angle (from vert)(maximum on diagonal line)

16.200 degrees

Min Cover required:

Pad:

Column:

50 mm

40 mm

| | | | | |
|---|---------------|-----------|-------------|-------------|
| Revision Description | | Date | By | Rev No |
| Column & Pad Foundation (boxed version) | | | | |
| 517E Tower | | | | |
| Type 2 Soil | | | | |
| Eskom Standard Design | | | | |
| Designed: | Checked: | Revision: | Date: | Drawing No: |
| S DUDHIA | W H COMBRINCK | RevU | 08-May-2014 | |



Disclaimer:
While due care has been applied in the design of this foundation, the contractor is required to verify that this design is fit for purpose considering preferred construction methodologies, geotechnical and structural requirements required at the point of application.