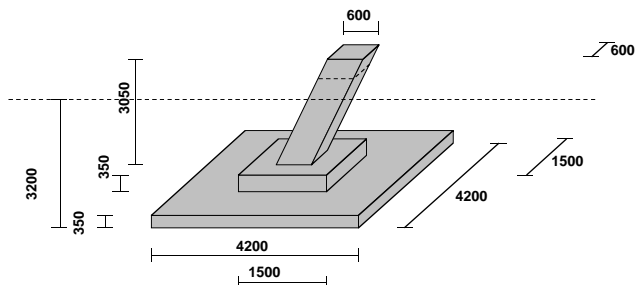


Plan View General Layout (dashed line = NGL)



Bar Mark	Bending Schedule Shape (not to scale)	Bending Schedule							Spacing mm
		Shape Code	No. of bars	Dia mm	Length mm	a mm	b mm	c mm	
1	Column bars a	34	8	Y16	4000	3700			250
2	Column stirrups a	60	13	R10	2200	500	500		320
3	Box Face Bars a b c	53	14	Y12	3550	625	#VALUE!	1350	190
4	a Pad bars (top)	35	42	Y16	4300	4050			200
5	a Pad bars (bottom)	35	42	Y16	4300	4050			200
6	Stools b a b c	83	36	R10	800	200	164	150	±1000

#### Pricing Parameters

Steel Weight (kg)	Concrete Volume (m³)	Formwork surface area (m²)	Excavation volume (m³)	Excavation surface area (m²)	Stub weight (kg)
495.67	8.06	9.61	56.45	71.40	274.40

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
1608.00	1336.80	39.60	28.80	0.0

Note:

- 1 Reinforcing layout diagrams are not to scale.
- 2 All design data and Construction to Specification TRMSCAAC5 (TI240-47172520)
- 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)

12.900 degrees

Min Cover required:

Pad:

75 mm

Column:

50 mm

Revision Description	Date	By	Rev No
<b>Column &amp; Pad Foundation (boxed version)</b> <b>518C Tower</b> <b>Type 2 Soil</b> <b>Eskom Standard Design</b>			
Designed: S DUDHIA	Checked: W H COMBRINCK	Revision: Rev0	Date: 09-Sep-2015
Drawing No:			



**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.