

BONISWA SITE NAME
MURUNWA

BONISWA NUMBER
000000

Revision	Date	Drawn By	Reason For Revision
0	20/09/21	QTY	ISSUED FOR PROPOSAL


NOTES:

Lats: 22.978417 S Longs: 30.163222 E

Region: LIMP00

Site Address:

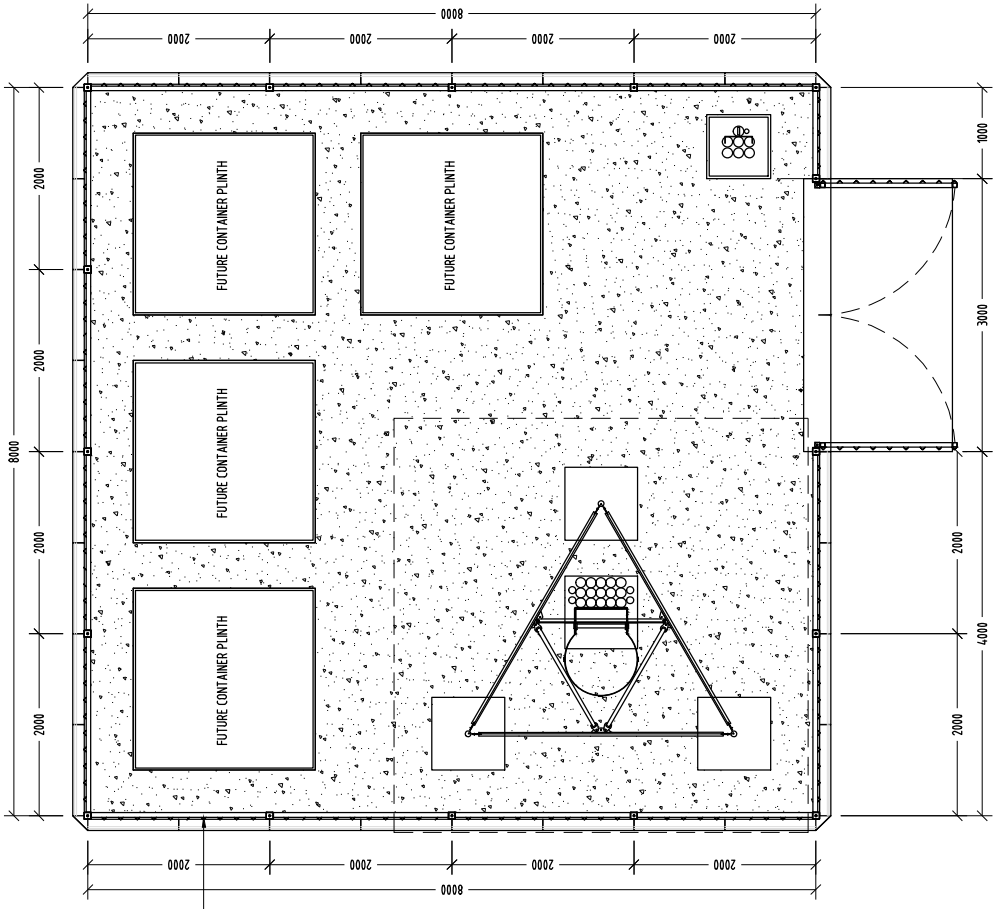
Project:
BONISWA
SITE 2021



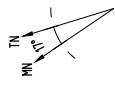
BONISWA CORPORATE SOLUTIONS
 PHYSICAL ADDRESS:
 329 ROAN CRESCENT, CORPORATE PARK NORTH, MIDRAND.
 POSTAL ADDRESS:
 P.O. BOX 70690, BRYANSTON, 2021
 TEL: (+2711) 312-2100
 FAX: (+2711) 805-6995

FENCE LAYOUT
SHEET 7 OF 10

SCALE:	DRAWING REVISION	A3
NTS	0	

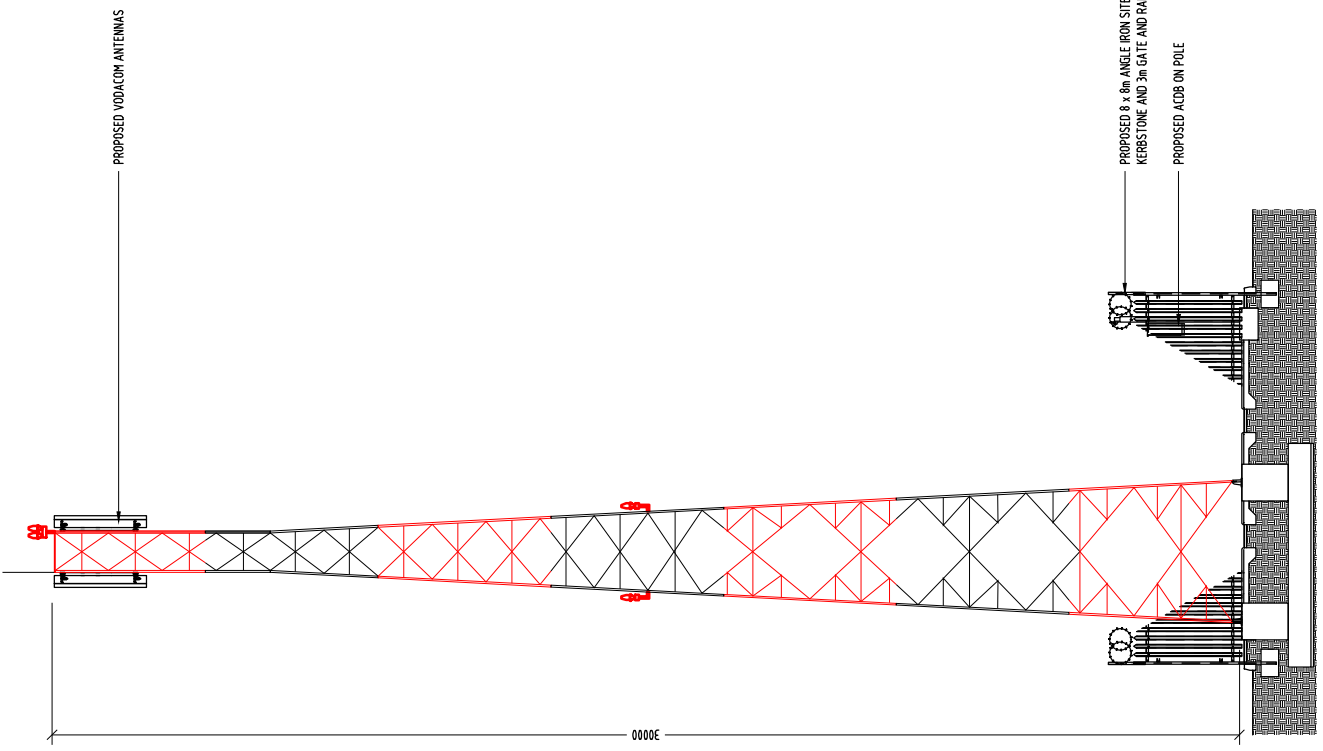


PROPOSED 8 x 8m ANGLE IRON SITE WITH KERBSTONE AND 3m GATE AND RAMP




SITE ORIENTATION OFFSET 17° MN

Antennae Key	Sector Azimuth	Antenna	Antenna Bolt Height	Mechanical Ht.	Electrical Ht.	Feeder Size	Feeder Length
1	0°	TBA	TBA	TBA	TBA	TBA	TBA
2	120°	TBA	TBA	TBA	TBA	TBA	TBA
3	240°	TBA	TBA	TBA	TBA	TBA	TBA



ELEVATION VIEW

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SCALE: NTS		DRAWING REVISION	
		0	
		A3	



SECTIONAL POLES
(Pty) Ltd
REG NO: 2009/005000/07
VAT NO 4520 263 634

Drawing Number
FD-CW-737727.8341.pdf

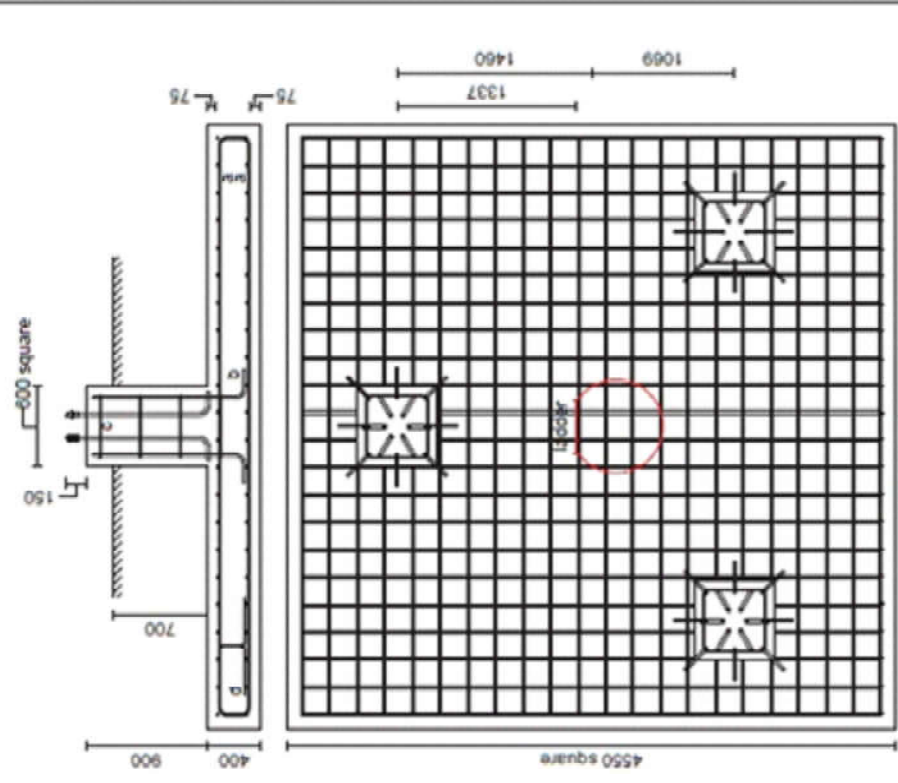
Mast/Structure Description: 25m Lattice Cat2; 500m; 14m²

Bending Moment (ULS): 779.7 kNm
Concrete Volume: 9.3 m³
Shear Force (ULS): 50.2 kN
Concrete Strength: 25 MPa
Structure Mass: 2700.0 kg
Reinforcement Mass: 755.7 kg
Applied vertical force (ULS): 0.0 kN
Reinforcement Strength: 450 MPa
Excavation Volume: 22.8 m³
Required Soil Pressure: 131.9 kPa
Backfill Volume: 13.7 m³

Vertical Centroid Offset (Tower Template & Foundation): 0.23 m

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

Ref.	Quantity		Diameter	Full Length		Diagram	Shape Code
	Top	Bottom		Top	Bottom		
a	44	44	16	4650	4650		38 C=190 B=4350
b	24		20	1313			37 A=220 B=1143
c	12		10	1905			60 A, B=470
d	21		10	1390			83 A, C, D=373 B=186



- Notes:
1. Foundation Bolts (EN8), per plynth: 6x M24Bend, 175 mm PCD, 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 22 x 22 bars at 206 mm spacing

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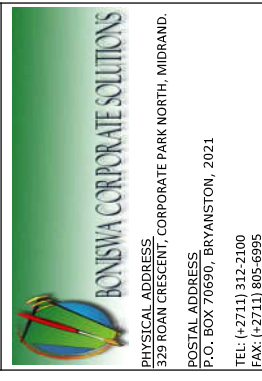
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FOUNDATION DETAIL
SHEET 9 OF 10

SCALE: NTS
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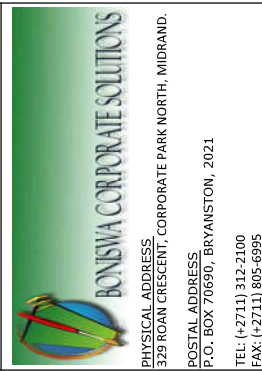
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TOWER DESIGN
SHEET 10 OF 10

SCALE: NTS

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