

	1	2	3	4	5	6	7	8	9	10
A										
B										
C										
D										
E										
F										
G										
H										
J										
K										

DRAWING LIST

ISSUE DATE: 25.09.2015

Page	Drawing Category	Drawing No.	Content of Drawing	Revisions		Sheet Size	Remarks
1	Site Location	L1	Site Location 1	A	Detail Design	A3	
2		L2	Site Location 2	A	Detail Design	A3	
3	Construction	C1	Site Information	A	Detail Design	A3	
4		C2	Site Photo	A	Detail Design	A3	
5		C3	Top View	A	Detail Design	A3	
6		C4	Front & Side View	A	Detail Design	A3	
7		C5	Sleeve Detail	A	Detail Design	A3	
8		C6	Earthling Layout	A	Detail Design	A3	
9		C7	Tower Foundation 1	A	Detail Design	A3	
10		C8	Tower Foundation 2	A	Detail Design	A3	
11		C9	Tower Foundation 3	A	Detail Design	A3	
12		C10	Tower Foundation 4	A	Detail Design	A3	
13		C11	Equipment Layout	A	Detail Design	A3	
14	Preview	P1	Top View	A	Detail Design	A3	
15		P2	Front & Side View	A	Detail Design	A3	



SITE NAME: LUIPERDSBERG

T-NUMBER: X100195

LAND ID: N/A

WBS NO: N/A

RFQ NO:

PROJECT NO:

LATITUDE

LONGITUDE

ASL

34.13157 S

20.30522 E

375m

ADDRESS

Luiperdsberg

Swellendam

Cape Town

SURVEY DATE: 05.09.2015

ENGINEER: N/A

ECSA NO.: N/A

SITE SURVEYOR: Marius Nortje

MTN RADIO ENGINEER

NAME:

SIGN

MTN PLANNER

NAME:

SIGN

ZTE APPROVAL

NAME:

SIGN

Commencement of work subject to above approval

DRAWN BY

CHECKED BY

NAME:

NAME:

D.de Wet

DATE

DATE

25.09.2015

REVISIONS

REV

DESCRIPTION

BY

DATE

0

Original

D.de Wet

25.09.2015

TITLE:

Drawing List

DRAWING No. : 0

PROJECT

SITE NO.

SHEET

REV

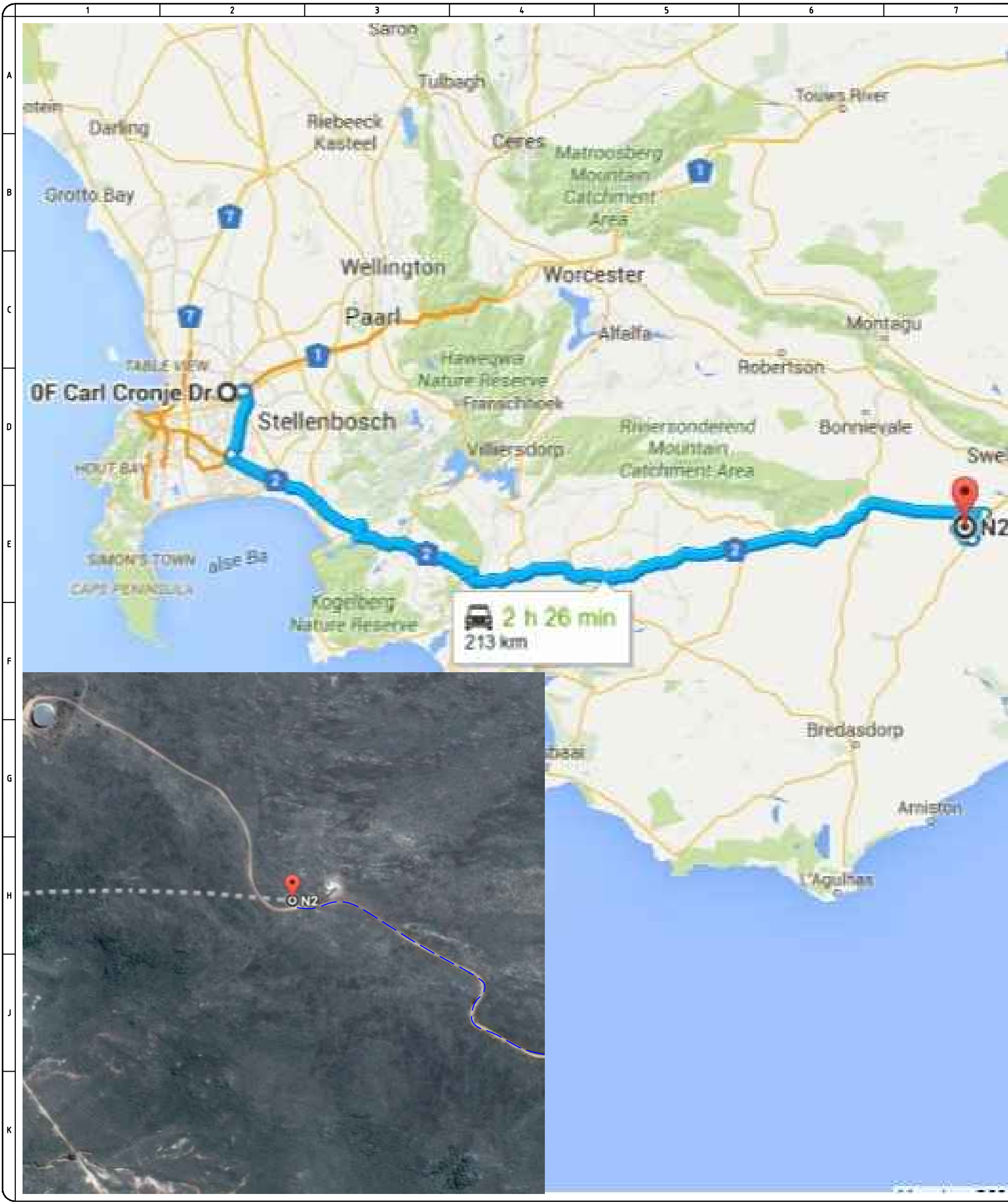
MTN

X100195

0-15

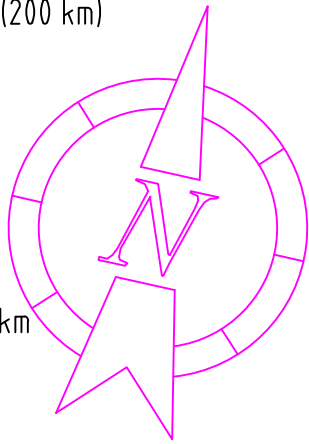
A

Drawing List



DIRECTIONS TO SITE:

1. WGet on N1 in Bo Oakdale from Carl Cronje Dr/M121 and Mispel Rd 4 min (1.7 km)
2. Head north on Carl Cronje Dr/M121 towar Waterfront Rd 8 m
3. Make a U-turn at Waterfront Rd 650 m
4. Turn left onto Mispel Rd 550 m
5. Turn right onto Durban Rd/R302 200 m
6. Turn left onto the N1 N ramp to Paarl 300 m
7. Follow N2 to R319 2 h 5 min (200 km)
8. Merge onto N1 2.6 km
9. Take exit 27 toward R300/ Mitchells Plain 1.2 km
10. Continue onto Kuils River Rd/R300 14.1 km
11. Take exit 22 to merge onto N2 toward Somerset W 183 km
12. Continue on R319 to your destination 17 min (10.6 km)
13. Turn right onto R319 6.1 km
14. Turn right



SITE NAME: LUIPERDSBERG

T-NUMBER: X100195

LAND ID: N/A

WBS NO: N/A

RFQ NO:

PROJECT NO:

LATITUDE	LONGITUDE	ASL
34.13157 S	20.30522 E	375m

ADDRESS Luiperdsberg
Swellendam
Cape Town

SURVEY DATE: 05.09.2015

ENGINEER: N/A

ECSA NO.: N/A

SITE SURVEYOR: Marius Nortje

MTN RADIO ENGINEER

NAME: SIGN

MTN PLANNER

NAME: SIGN

ZTE APPROVAL

NAME: SIGN

Commencement of work subject to above approval

DRAWN BY CHECKED BY

NAME: NAME:

D.de Wet

DATE DATE

25.09.2015

REVISIONS

REV	DESCRIPTION	BY	DATE
0	Original	D.de Wet	25.09.2015

TITLE: Site Location 1

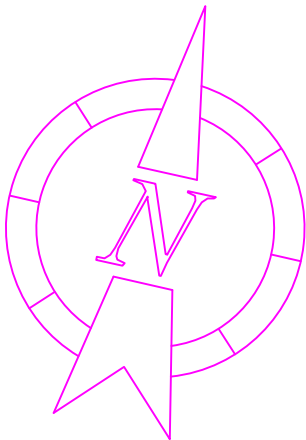
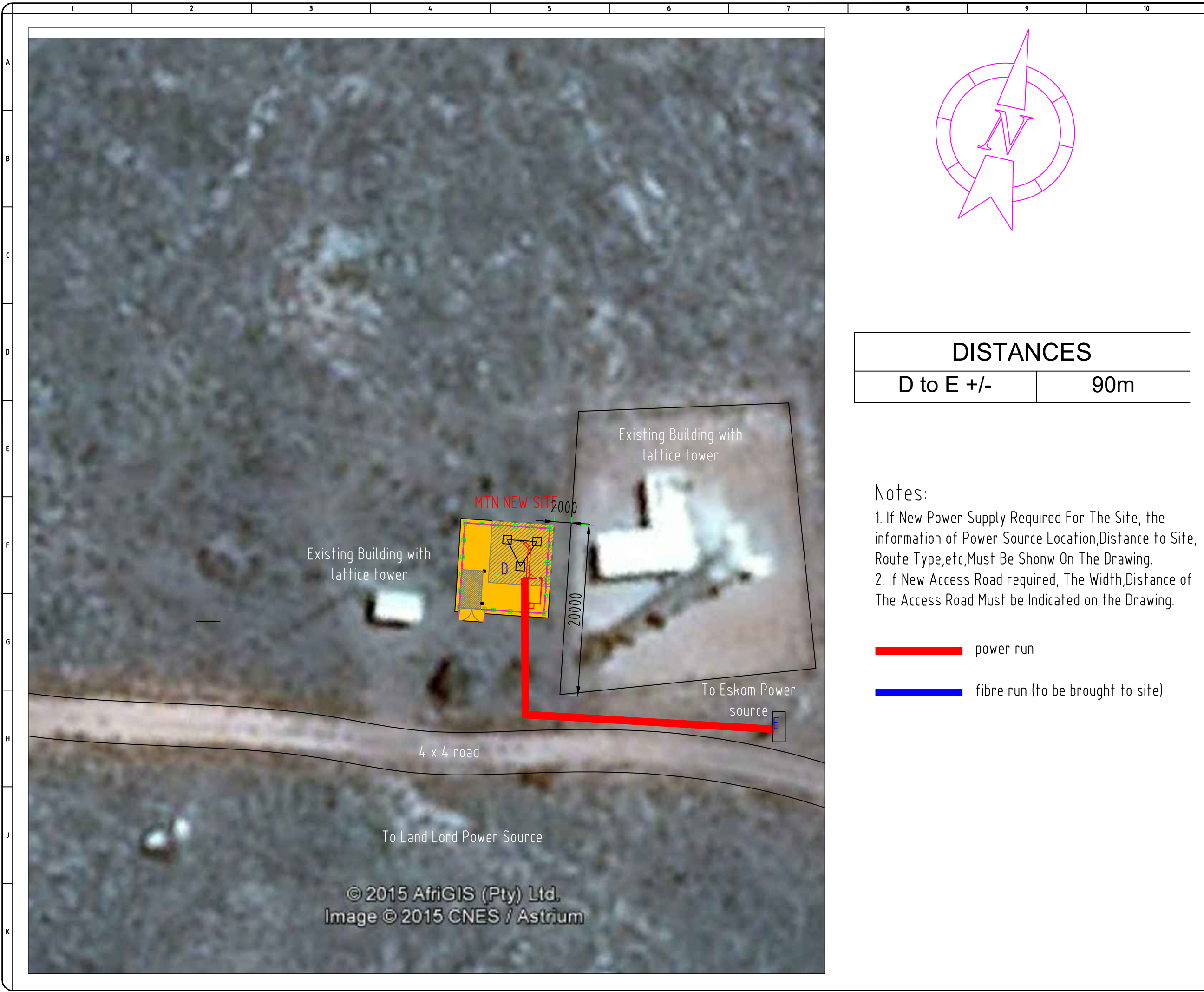
DRAWING No. : L1

PROJECT	SITE NO.	SHEET	REV
MTN	X100195	1-15	A

Site Location

Notes:

1. If New Power Supply Required For The Site, the information of Power Source Location,Distance to Site, Route Type,etc,Must Be Shown On The Drawing.
2. If New Access Road required, The Width,Distance of The Access Road Must be Indicated on the Drawing.



DISTANCES	
D to E +/-	90m

Notes:

1. If New Power Supply Required For The Site, the information of Power Source Location,Distance to Site, Route Type,etc,Must Be Shown On The Drawing.

2. If New Access Road required, The Width,Distance of The Access Road Must be Indicated on the Drawing.

- power run
- fibre run (to be brought to site)



SITE NAME: LUIPERDSBERG			
T-NUMBER: X100195			
LAND ID: N/A			
WBS NO: N/A			
RFQ NO:			
PROJECT NO:			
LATITUDE		LONGITUDE	ASL
34.13157 S		20.30522 E	375m
ADDRESS		Luiperdsberg Swellendam Cape Town	
SURVEY DATE: 05.09.2015			
ENGINEER: N/A			
ECSA NO.: N/A			
SITE SURVEYOR: Marius Nortje			
MTN RADIO ENGINEER			
NAME:		SIGN	
MTN PLANNER			
NAME:		SIGN	
ZTE APPROVAL			
NAME:		SIGN	
Commencement of work subject to above approval			
DRAWN BY		CHECKED BY	
NAME:		NAME:	
D.de Wet			
DATE		DATE	
25.09.2015			
REVISIONS			
REV	DESCRIPTION	BY	DATE
0	Original	D.de Wet	25.09.2015

TITLE: Site Location 2			
DRAWING No. : L2			
PROJECT	SITE NO.	SHEET	REV
MTN	X100195	2-15	A
Site Location			

12345678910

A

B

C

D

E

F

G

H

J

K

Site ID: X100195

Site Name: LUIPERDSBERG

Tower Type: 30m Lattice Tower

SITE

SITE ID	X100195
LATITUDE	34.13157 S
LONGITUDE	20.30522 E

ADDRESS DETAILS

BUILDING NAME	N/A
STREET	N/A
SITE TYPE	Greenfield
CITY	Cape Town
DISTRICT	Goodwood
REGION	Western Cape

SITE ACCESS INFORMATION

ACCESS RESTRICTION	N/A
24/7 ACCESS	Yes
PRIOR APPOINTMENT FOR ACCESS	No
CONTACT PERSON	Marietjie
PHONE NUMBER	076 966 0629
FAX NUMBER	N/A
EMAIL	N/A
TIMELINE FOR APPOINTMENT	Western Cape
ACCESS KEY REQUIRED?	N/A
LANDLORD KEY REQUIRED?	N/A
OTHER KEYS REQUIRED?	N/A
SPECIFIC SITE ACCESS	N/A
PARKING SPACE AVAILABLE	Yes
EQUIPMENT DELIVERY METHOD	Road

SITE ENVIRONMENT CHECK

PROPERTY TYPE	Greenfield
INSTALLATION TYPE	Container

GOOGLE EARTH PHOTO

Image © 2018 DigitalGlobe
© 2018 AfriGIS (Pty) Ltd.

67 m

Google Earth

MTN

ZTE

SITE NAME: LUIPERDSBERG

T-NUMBER: X100195

LAND ID: N/A

WBS NO: N/A

RFQ NO:

PROJECT NO:

LATITUDE	LONGITUDE	ASL
34.13157 S	20.30522 E	375m

ADDRESS Luiperdsberg
Swellendam
Cape Town

SURVEY DATE: 05.09.2015

ENGINEER: N/A

ECSA NO.: N/A

SITE SURVEYOR: Marius Nortje

MTN RADIO ENGINEER

NAME:	SIGN
-------	------

MTN PLANNER

NAME:	SIGN
-------	------

ZTE APPROVAL

NAME:	SIGN
-------	------

Commencement of work subject to above approval

DRAWN BY	CHECKED BY
NAME:	NAME:
D.de Wet	
DATE	DATE
25.09.2015	

REVISIONS

REV	DESCRIPTION	BY	DATE
0	Original	D.de Wet	25.09.2015

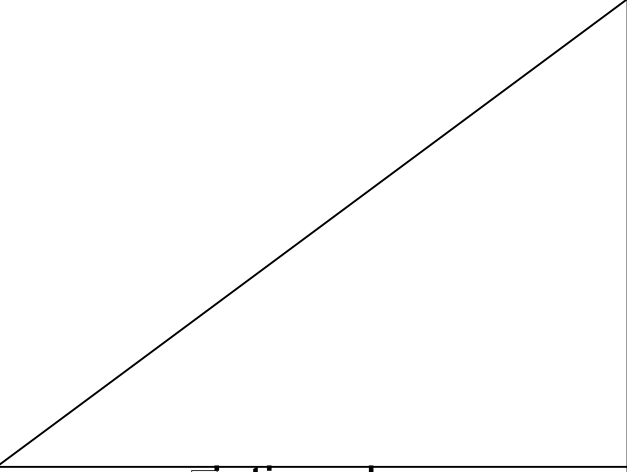
TITLE:

Site Information

DRAWING No. : C1

PROJECT	SITE NO.	SHEET	REV
MTN	X100195	3-15	A

Construction

	1	2	3	4	5	6	7	8	9	10						
A																
B	0 degree				30 degree				60 degree				90 degree			
C																
D	120 degree				150 degree				180 degree				210 degree			
E																
F	240 degree				270 degree				300 degree				330 degree			
G																
H	site position				corners and tower position				Area Photos							
I																
J																
K																



SITE NAME: LUIPERDSBERG

T-NUMBER: X100195

LAND ID: N/A

WBS NO: N/A

RFQ NO:

PROJECT NO:

LATITUDE

LONGITUDE

ASL

34.13157 S

20.30522 E

375m

ADDRESS

Luiperdsberg

Swellendam

Cape Town

SURVEY DATE: 05.09.2015

ENGINEER: N/A

ECSA NO.: N/A

SITE SURVEYOR: Marius Nortje

MTN RADIO ENGINEER

NAME:

SIGN

MTN PLANNER

NAME:

SIGN

ZTE APPROVAL

NAME:

SIGN

Commencement of work subject to above approval

DRAWN BY

CHECKED BY

NAME:

NAME:

D.de Wet

DATE

DATE

25.09.2015

REVISIONS

REV	DESCRIPTION	BY	DATE
0	Original	D.de Wet	25.09.2015

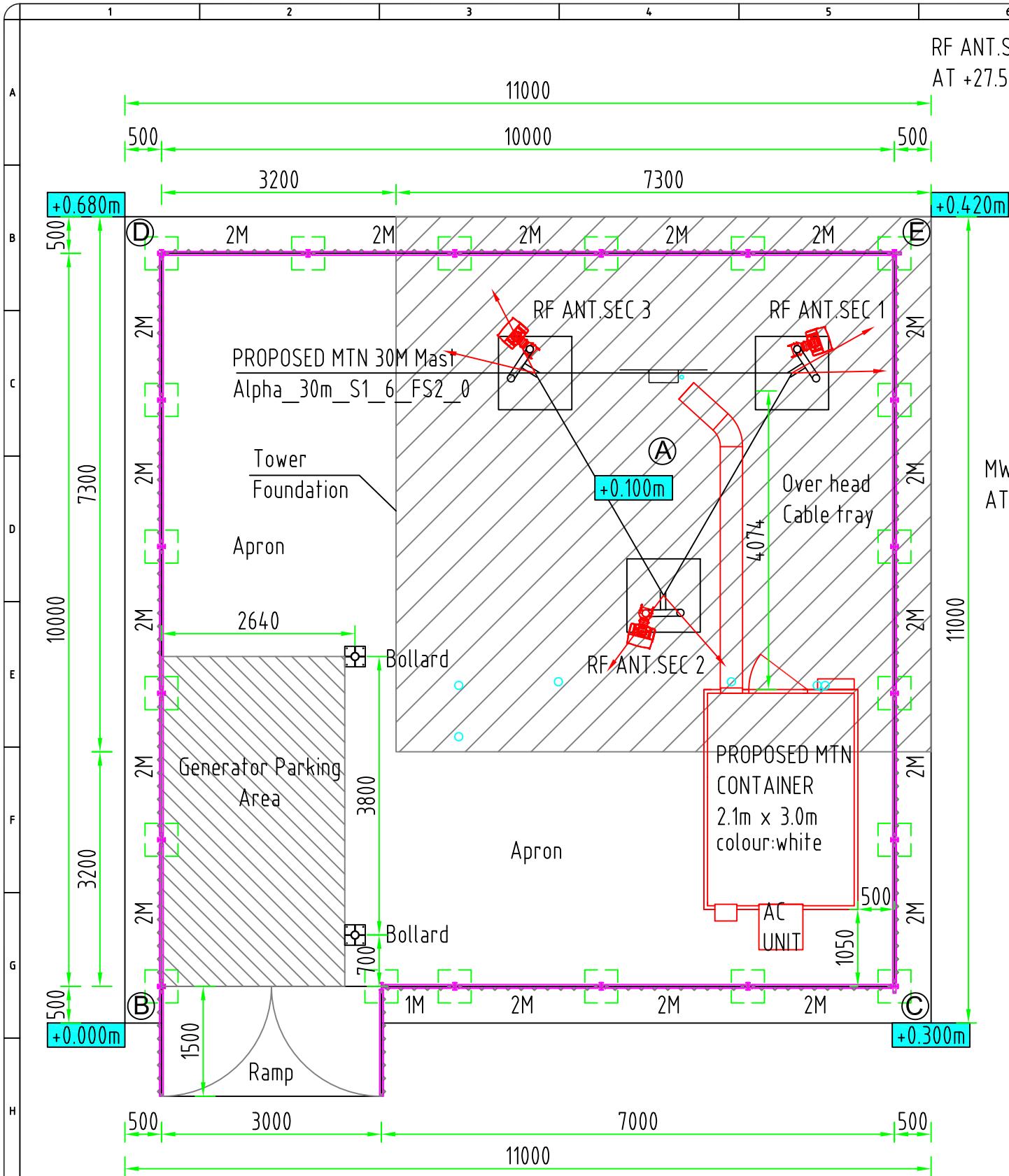
TITLE:

Site Photo

DRAWING No. : C2

PROJECT	SITE NO.	SHEET	REV
MTN	X100195	4-15	A

Construction



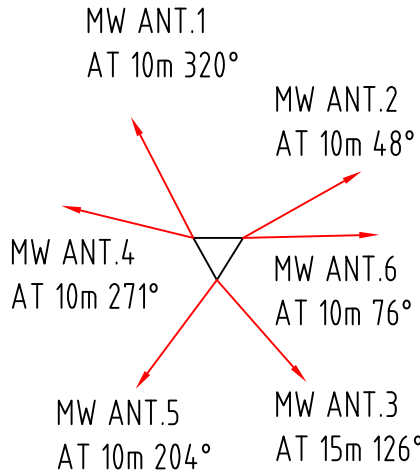
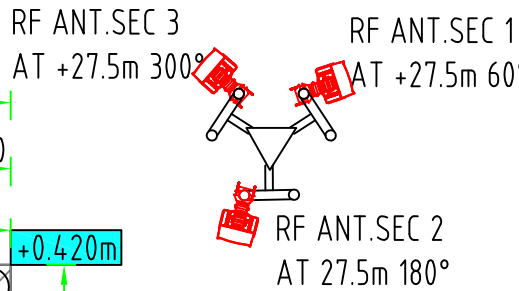
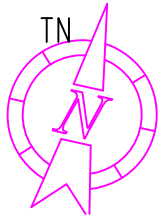
Position	Site Level Heights
A	0.100m
B	0.030m
C	0.170m
D	0.000m
E	0.030m

NOTE:

1) ALL DIMENSIONS IN mm

2) Total Square meterage (m²) of the site is 100.00 m²

Apron areas is 46.71m², Tower plinth areas is 53.29m²



RF ANTENNAS DATA			
	Sector 1	Sector 2	Sector 3
CELL.	N/A	N/A	N/A
Antenna config	900,1800,2100	900,1800,2100	900,1800,2100
ANT type	CVV65CSX-M	CVV65CSX-M	CVV65CSX-M
Azimuth	60°	180°	300°
Height (AGL)	27.5m (B.O.A)	27.5m (B.O.A)	27.5m (B.O.A)
Electrical Tilt	2,2,2	2,2,2	2,2,2
Mechanical Tilt	0	0	0
Feeder	7/8"	7/8"	7/8"
Feeder LG	2x25m	2x25m	2x25m

MW RF DATA 1			
Site Name A	LUIPERDSBERG	Site Name B	-
Site ID A	X100195	Site ID B	X1067 Edendale Farm
Proposed AGL	10m	Proposed AGL	-
Azimuth A-B	320°	Azimuth B-A	-
MW Size	1m		
Proposed Frequency:(GHz)	-	Length:(Km)	TBC

MW RF DATA 2			
Site Name A	LUIPERDSBERG	Site Name B	-
Site ID A	X100195	Site ID B	X0383 Swellendam Telkom
Proposed AGL	10m	Proposed AGL	-
Azimuth A-B	48°	Azimuth B-A	-
MW Size	1m		
Proposed Frequency:(GHz)	-	Length:(Km)	TBC

MW RF DATA 3			
Site Name A	LUIPERDSBERG	Site Name B	-
Site ID A	X100195	Site ID B	X2297 Malgas VC
Proposed AGL	15m	Proposed AGL	-
Azimuth A-B	126°	Azimuth B-A	-
MW Size	1m		
Proposed Frequency:(GHz)	-	Length:(Km)	TBC

MW RF DATA 4			
Site Name A	LUIPERDSBERG	Site Name B	-
Site ID A	X100195	Site ID B	X2423 Rateirivier Farm
Proposed AGL	10m	Proposed AGL	-
Azimuth A-B	271°	Azimuth B-A	-
MW Size	1.2m		
Proposed Frequency:(GHz)	-	Length:(Km)	TBC

MW RF DATA 5			
Site Name A	LUIPERDSBERG	Site Name B	-
Site ID A	X100195	Site ID B	X7168 Die Kop VC
Proposed AGL	10m	Proposed AGL	-
Azimuth A-B	204°	Azimuth B-A	-
MW Size	0.6m		
Proposed Frequency:(GHz)	-	Length:(Km)	TBC

MW RF DATA 6			
Site Name A	LUIPERDSBERG	Site Name B	-
Site ID A	X100195	Site ID B	X1897 Bergsig Farm
Proposed AGL	10m	Proposed AGL	-
Azimuth A-B	76°	Azimuth B-A	-
MW Size	1.2m		
Proposed Frequency:(GHz)	-	Length:(Km)	TBC



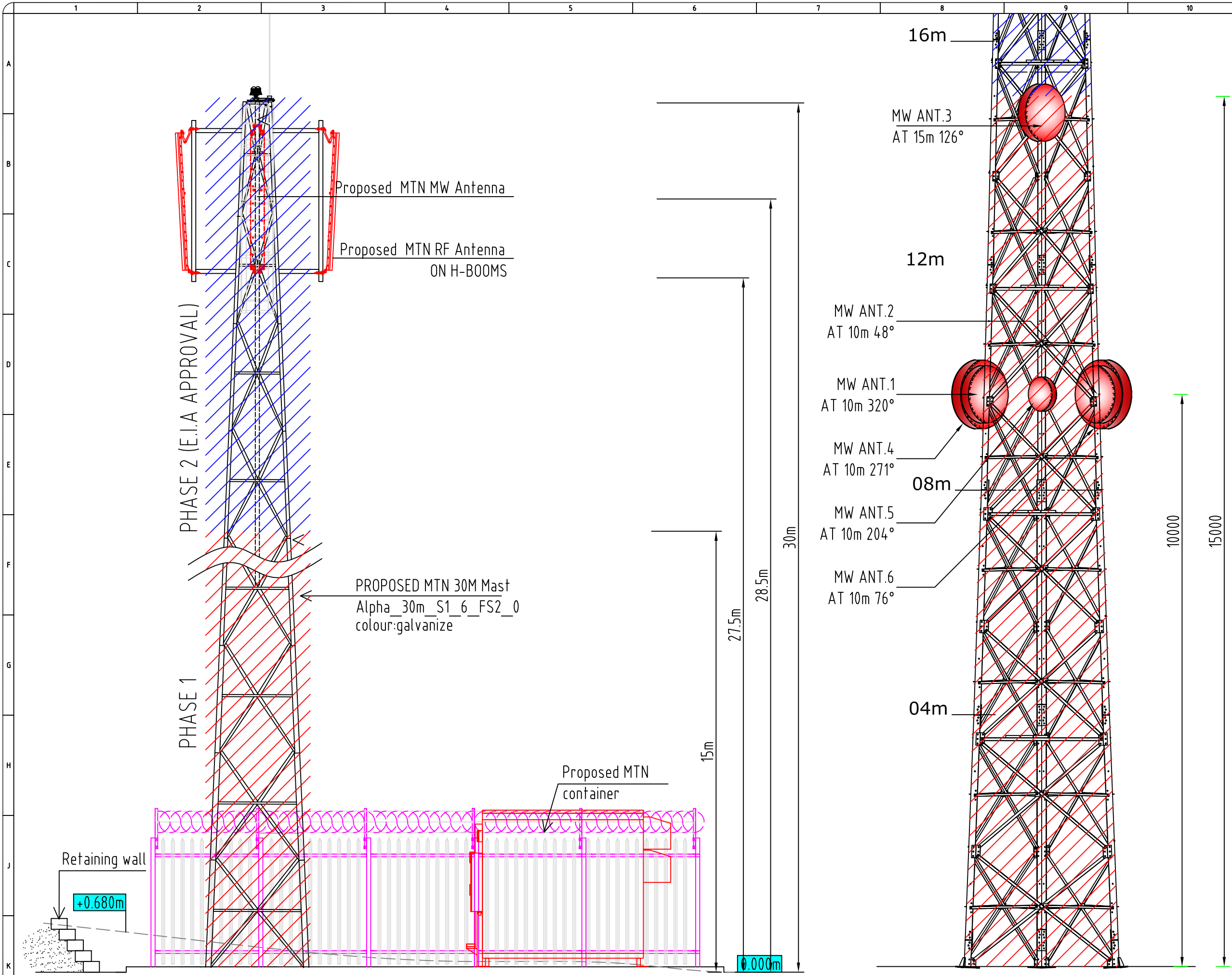
SITE NAME: LUIPERDSBERG		
T-NUMBER: X100195		
LAND ID: N/A		
WBS NO: N/A		
RFQ NO:		
PROJECT NO:		
LATITUDE	LONGITUDE	ASL
34.13157 S	20.30522 E	375m
ADDRESS Luiperdsberg Swellendam Cape Town		
SURVEY DATE: 05.09.2015		
ENGINEER: N/A		
ECSA NO.: N/A		
SITE SURVEYOR: Marius Nortje		

MTN RADIO ENGINEER	
NAME:	SIGN
MTN PLANNER	
NAME:	SIGN
ZTE APPROVAL	
NAME:	SIGN
Commencement of work subject to above approval	
DRAWN BY	CHECKED BY
NAME:	NAME:
D.de Wet	
DATE	DATE
25.09.2015	

REVISIONS			
REV	DESCRIPTION	BY	DATE
0	Original	D.de Wet	25.09.2015

TITLE: Top View			
DRAWING No.: C3			
PROJECT	SITE NO.	SHEET	REV
MTN	X100195	5-15	A

Construction



SIDE VIEW

TOWER AND MW VIEW



SITE NAME: LUIPERDSBERG		
T-NUMBER: X100195		
LAND ID: N/A		
WBS NO: N/A		
RFQ NO:		
PROJECT NO:		
LATITUDE	LONGITUDE	ASL
34.13157 S	20.30522 E	375m
ADDRESS Luiperdsberg Swellendam Cape Town		
SURVEY DATE: 05.09.2015		
ENGINEER: N/A		
ECSA NO.: N/A		
SITE SURVEYOR: Marius Nortje		

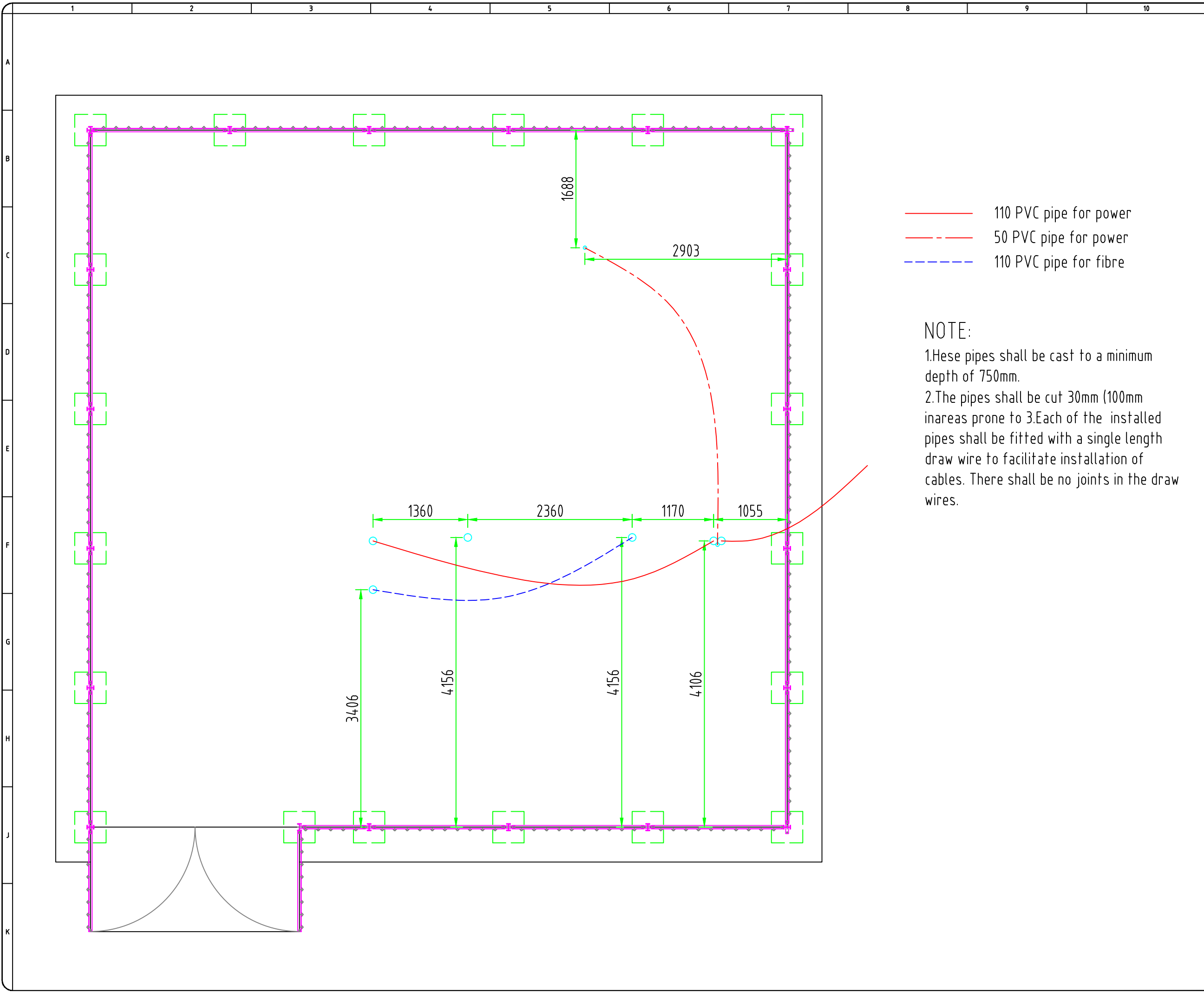
MTN RADIO ENGINEER	
NAME:	SIGN
MTN PLANNER	
NAME:	SIGN
ZTE APPROVAL	
NAME:	SIGN
Commencement of work subject to above approval	
DRAWN BY	CHECKED BY
NAME:	NAME:
D.de Wet	
DATE	DATE
25.09.2015	

REVISIONS			
REV	DESCRIPTION	BY	DATE
0	Original	D.de Wet	25.09.2015

TITLE: Front & Side View

DRAWING No. : C4			
PROJECT	SITE NO.	SHEET	REV
MTN	X100195	6-15	A

Construction



- 110 PVC pipe for power
- 50 PVC pipe for power
- 110 PVC pipe for fibre

NOTE:
1.Hese pipes shall be cast to a minimum depth of 750mm.
2.The pipes shall be cut 30mm (100mm inareas prone to 3.Each of the installed pipes shall be fitted with a single length draw wire to facilitate installation of cables. There shall be no joints in the draw wires.



SITE NAME: LUIPERDSBERG

T-NUMBER: X100195
LAND ID: N/A
WBS NO: N/A

RFQ NO:
PROJECT NO:

LATITUDE	LONGITUDE	ASL
34.13157 S	20.30522 E	375m

ADDRESS Luiperdsberg
Swellendam
Cape Town

SURVEY DATE: 05.09.2015
ENGINEER: N/A
ECSA NO.: N/A
SITE SURVEYOR: Marius Nortje

MTN RADIO ENGINEER

NAME:	SIGN
-------	------

MTN PLANNER

NAME:	SIGN
-------	------

ZTE APPROVAL

NAME:	SIGN
-------	------

Commencement of work subject to above approval

DRAWN BY	CHECKED BY
NAME:	NAME:
D.de Wet	
DATE	DATE
25.09.2015	

REVISIONS

REV	DESCRIPTION	BY	DATE
0	Original	D.de Wet	25.09.2015

TITLE: Sleeve Detail

DRAWING No. : C5

PROJECT	SITE NO.	SHEET	REV
MTN	X100195	7-15	A

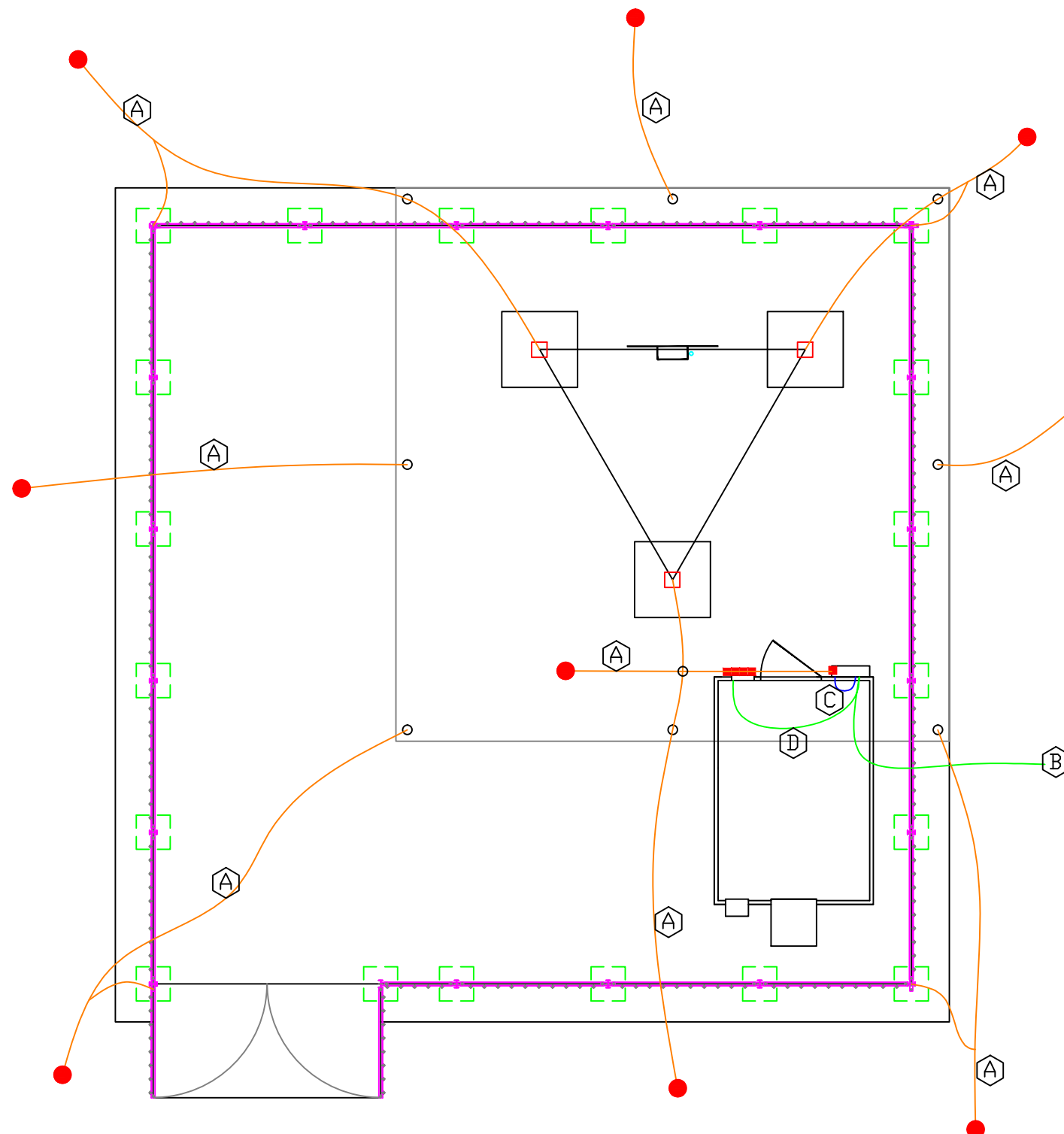
Construction

LEGEND :

- Ground Rods 1200mm x 16mm
- Exothermic Weld Connection to the rebar or copper ribbon
- 300mm tail exiting the top of the foundation ,exothermic Welded to 25X3mm copper ribbon
- Clamped Connection to the bolt cluster
- 25 x 3mm copper ribbon
- 16mm² insulated stranded copper cable(Yellow & Green)
- 35mm² insulated stranded copper cable(Yellow & Green)
- 70mm² insulated stranded copper cable(Yellow & Green)
- Ⓐ Lightning ground
25 x 3mm copper ribbon
- Ⓑ AC Power Earth From Supply Point To ACDB
16mm² insulated stranded copper cable(Yellow & Green)
- Ⓒ From ACDB to the tail of lightning ground
70mm² insulated stranded copper cable(Yellow & Green)
- Ⓓ From the equipment housing earth point to ACDB
16mm² insulated stranded copper cable(Yellow & Green)

NOTES :

1. All connections between 25 x 3mm copper ribbon will be secured by means of exothermic weld.
2. All connections between the 25 x 3mm copper ribbon and the 1200mm x 16mm diameter copper rods will be secured by means of exothermic weld.
3. All copper tape connections to the holding down bolt clusters must be tinned and secured by means of 2 U-bolts with backing plates spaced 50mm apart. The copper ribbon must be tinned prior to clamping
4. All copper tape connections to the rebar of the mast foundation will be exothermic welded.
5. All bolted connections will be secured with brass bolts, brass nuts and washers. Serrated stainless steel washers will be used on all bolts.
6. Should dissimilar metals be bolted together and neither of the surfaces (because of the type of metal) can be tinned prior to connection, then a flat brass washer shall be placed between the two surfaces prior to them being bolted together
7. All connections (Clamped or welded) will be sealed with Petrolatum tape.
8. The copper ribbon below the shutter line, not be less than 300mm
9. A lug must be placed on the end of the cable
10. The shortest length of any radial will be 2.4m
11. All copper ribbon ends tinned prior to being connected to each bolt
12. The earth resistance shall not exceed 10 Ω.
13. The tails exiting the top of the foundation must protrude a minimum 300mm above the mast foundation or ground cover.



ZTE



SITE NAME: LUIPERDSBERG

T-NUMBER: X100195

LAND ID: N/A

WBS NO: N/A

RFQ NO:

PROJECT NO:

LATITUDE	LONGITUDE	ASL
34.13157 S	20.30522 E	375m

ADDRESS Luiperdsberg
Swellendam
Cape Town

SURVEY DATE: 05.09.2015

ENGINEER: N/A

ECSA NO.: N/A

SITE SURVEYOR: Marius Nortje

MTN RADIO ENGINEER

NAME:	SIGN
MTN PLANNER	

NAME:	SIGN
ZTE APPROVAL	

Commencement of work subject to above approval

DRAWN BY	CHECKED BY
NAME:	NAME:

D.de Wet	
----------	--

DATE	DATE
25.09.2015	

REV	DESCRIPTION	BY	DATE
0	Original	D.de Wet	25.09.2015

--	--	--	--

TITLE: Earth Layout

DRAWING No.: C

PROJECT	SITE NO.	SHEET	REV
MTN	X100195	-15	A

Construction

MTN

ZTE



SITE NAME: LUIPERDSBERG

T-NUMBER: X100195

LAND ID: N/A

WBS NO: N/A

RFQ NO:

PROJECT NO:

LATITUDE	LONGITUDE	ASL
34.13157 S	20.30522 E	375m

ADDRESS Luiperdsberg
Swellendam
Cape Town

SURVEY DATE: 05.09.2015

ENGINEER: N/A

ECSA NO.: N/A

SITE SURVEYOR: Marius Nortje

MTN RADIO ENGINEER

NAME: SIGN

MTN PLANNER

NAME: SIGN

ZTE APPROVAL

NAME: SIGN

Commencement of work subject to above approval

DRAWN BY	CHECKED BY
NAME:	NAME:
D.de Wet	
DATE	DATE
25.09.2015	

REVISIONS

REV	DESCRIPTION	BY	DATE
0	Original	D.de Wet	25.09.2015

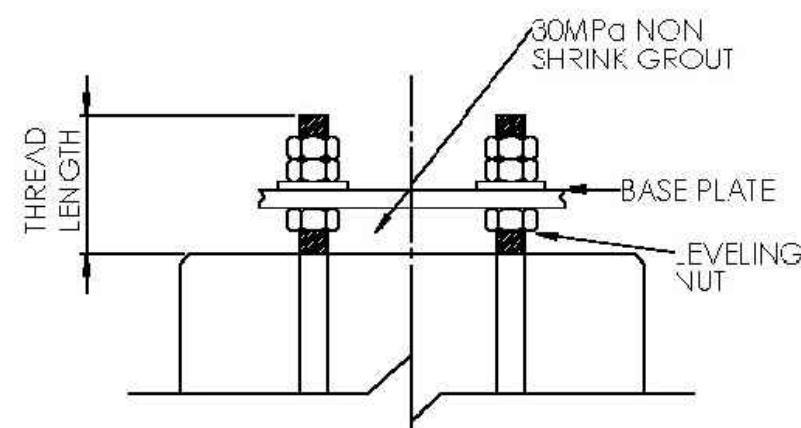
TITLE: Tower Foundation 1

DRAWING No.: C7

PROJECT	SITE NO.	SHEET	REV
MTN	X100195	9 -15	A

Construction

Soil Bearing Pressure	50	kPa
Blinding volume	2.7	m3
Excavation volume	18.7	m3
Concrete volume	22.7	m3
Rebar mass	1395	kg
Moment	1183.9	kN-m
Shear leg	39.4	kN
Shear total	63.0	kN
Tower weight	22.4	kN
Unfactored		

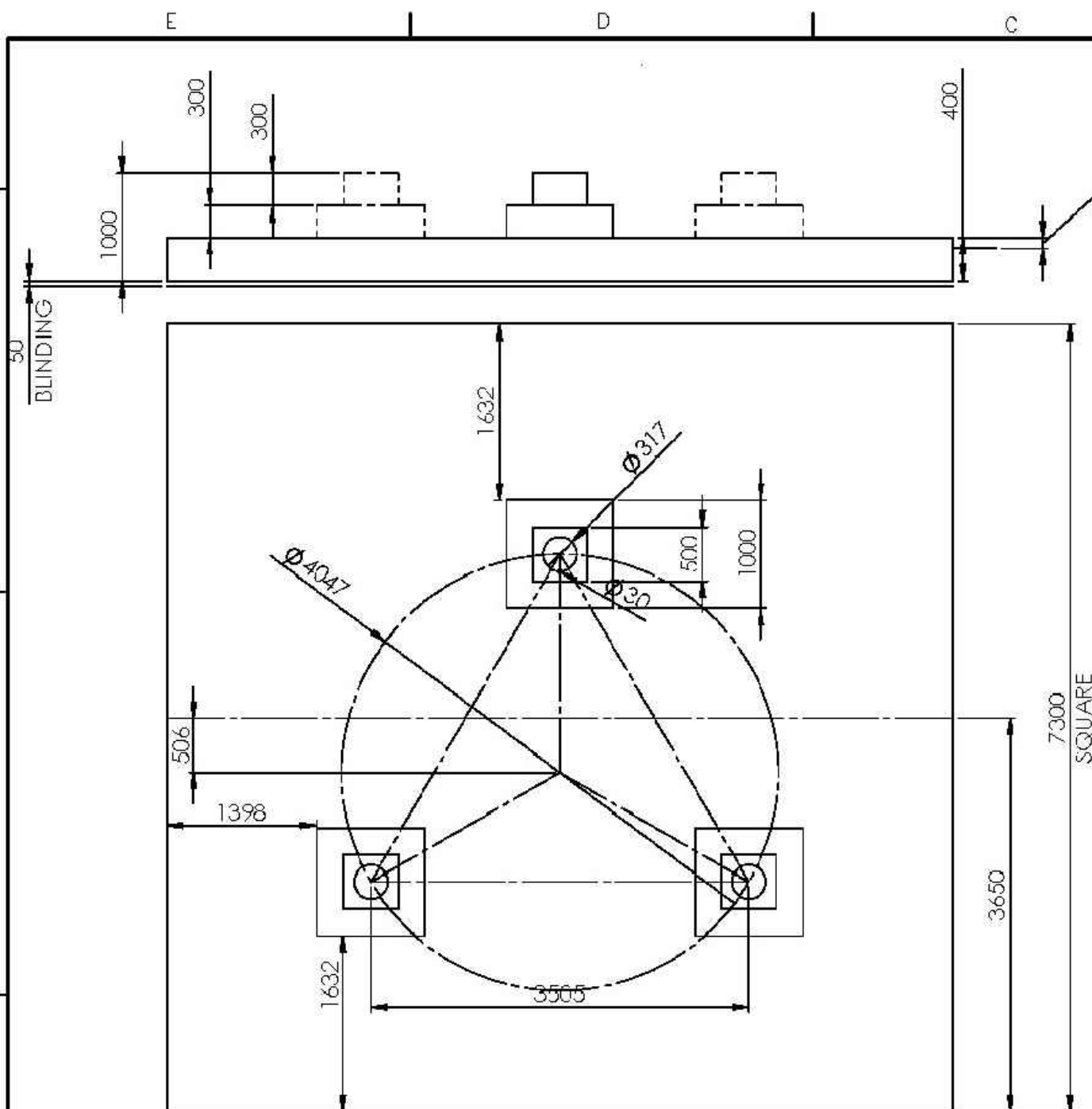


TYPICAL HOLD DOWN BOLT ELEVATION

PCD HD Bolts	317	mm
Number of HD Bolts	4	
Foundation Template	FT_Alpha_30m_E40kN	

NOTE *

DIMENSIONS TO BE SET OUT USING TEMPLATE PROVIDED ON SITE



NOTES

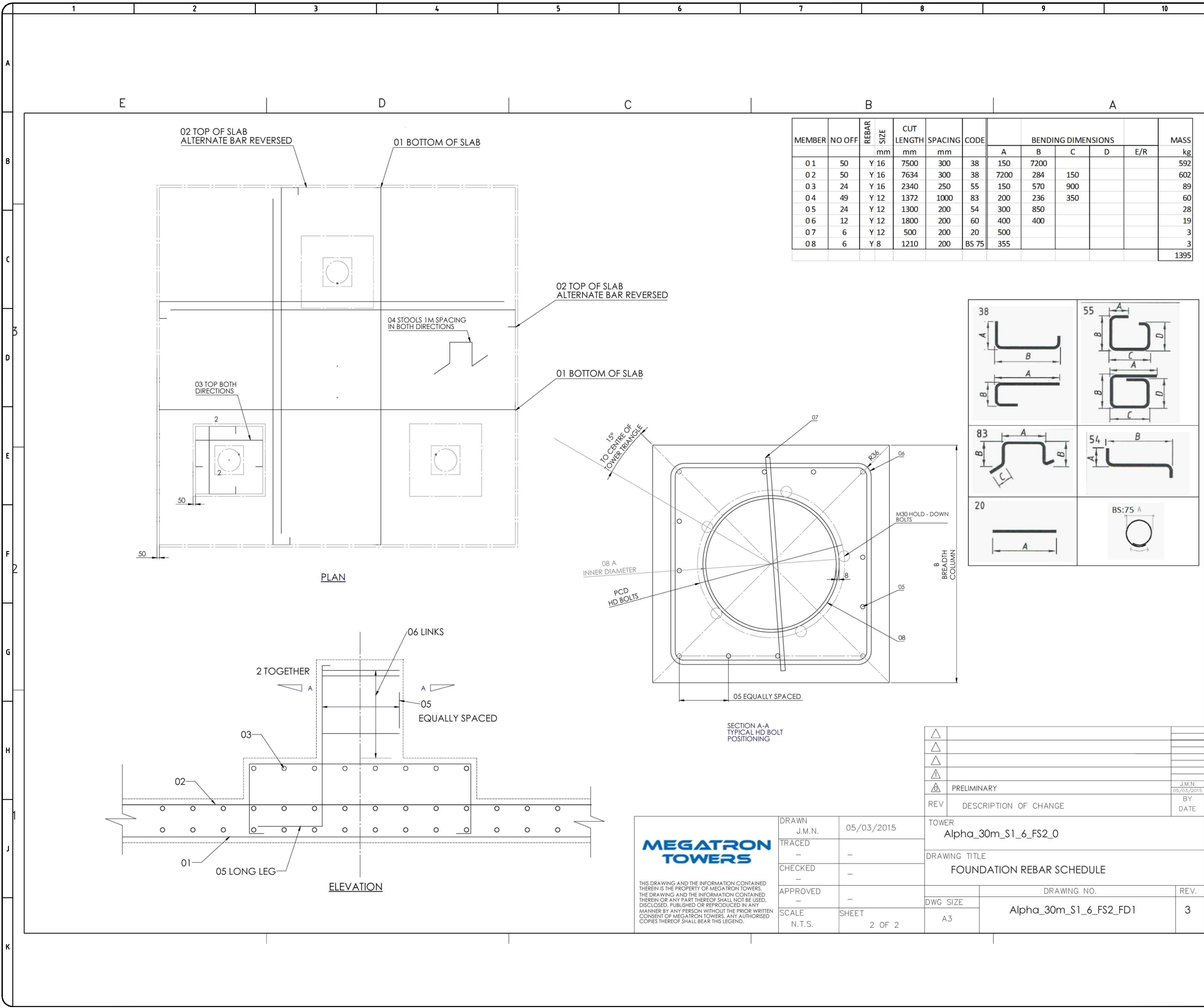
1. CONCRETE COVER TO REINFORCING = 50mm
2. ALL BARS BENT TO SABS 82.
3. ALL CONCRETE EDGES TO HAVE 20 mm X 45 CHAMFER OF 25 MPa AT 28 DAYS
4. CONCRETE TO ATTAIN A MINIMUM CUBE CRUSHING STRENGTH OF 25 MPa AT 28 DAYS
5. ALL GROUTING TO BE 30MPa NON-SHRINK GROUT. ALL GROUTING WORK TO BE CARRIED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS

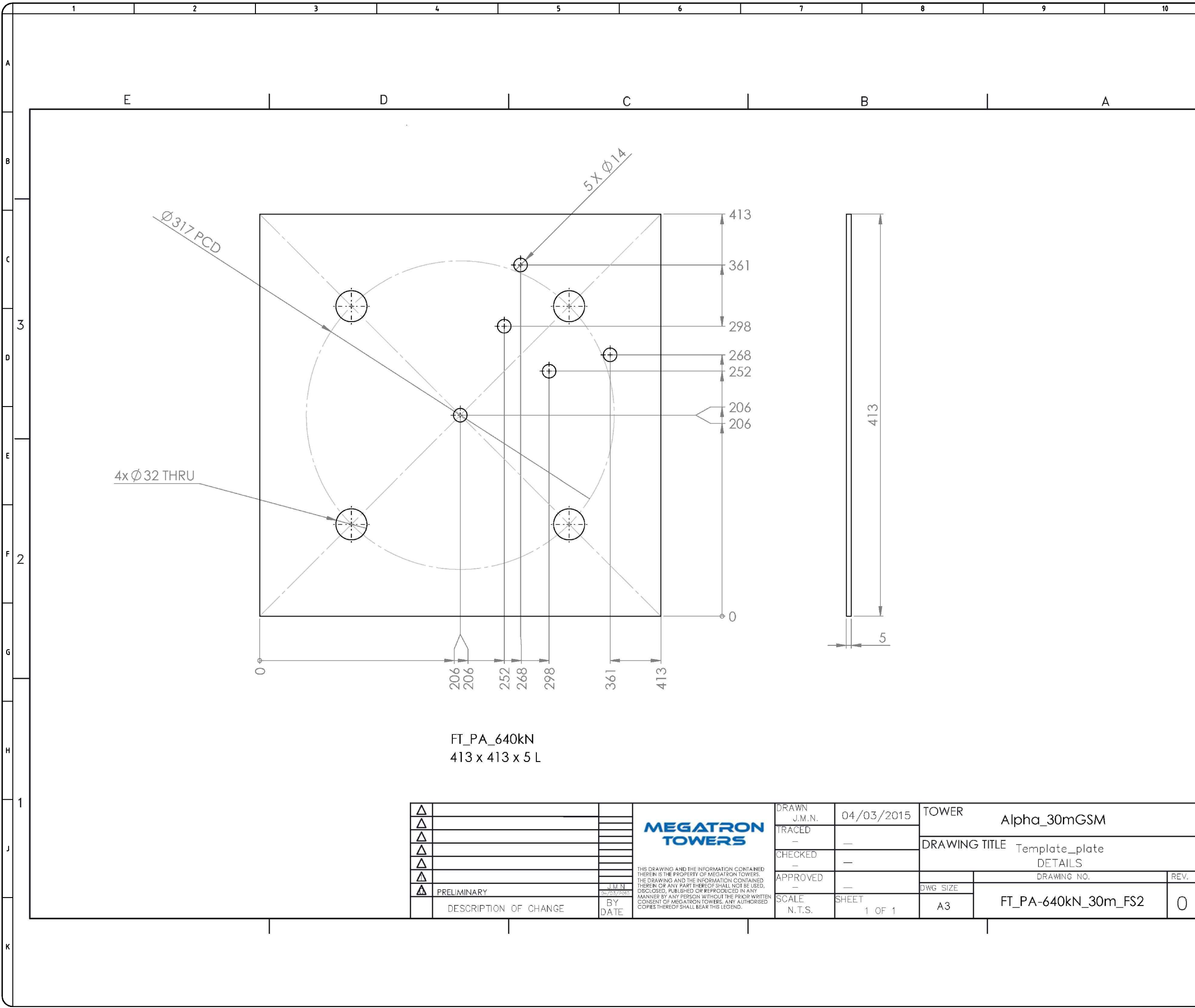
PRELIMINARY	BY DATE
DESCRIPTION OF CHANGE	BY DATE

MEGATRON TOWERS

THE DRAWING AND THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF MEGATRON TOWERS. THE DRAWING AND THE INFORMATION CONTAINED HEREIN IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE PRIOR WRITTEN CONSENT OF MEGATRON TOWERS. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION SHALL BE AT THE USER'S RISK.

DRAWN	J.M.N.	29/01/2015	TOWER	Alpha_30m_S1_6_FS2_0
TRACED	-	-	DRAWING TITLE	SLAB PEDESTAL (SP) FOUNDATION
CHECKED	-	-	DWG SIZE	Alpha_30m_S1_6_FS2_FD1
APPROVED	-	-	DRAWING NO.	REV.
SCALE	N.T.S.	SHEET 1 OF 2	A3	3







SITE NAME: LUIPERDSBERG

T-NUMBER: X100195

LAND ID: N/A

WBS NO: N/A

RFQ NO:

PROJECT NO:

LATITUDE

LONGITUDE

ASL

34.13157 S

20.30522 E

375m

ADDRESS

Luiperdsberg

Swellendam

Cape Town

SURVEY DATE: 05.09.2015

ENGINEER: N/A

ECSA NO.: N/A

SITE SURVEYOR: Marius Nortje

MTN RADIO ENGINEER

NAME:

SIGN

MTN PLANNER

NAME:

SIGN

ZTE APPROVAL

NAME:

SIGN

Commencement of work subject to above approval

DRAWN BY

CHECKED BY

NAME:

NAME:

D.de Wet

DATE

DATE

25.09.2015

REVISIONS

REV

DESCRIPTION

BY

DATE

0

Original

D.de Wet

25.09.2015

TITLE:

Tower Foundation

DRAWING No. : C9

PROJECT

SITE NO.

SHEET

REV

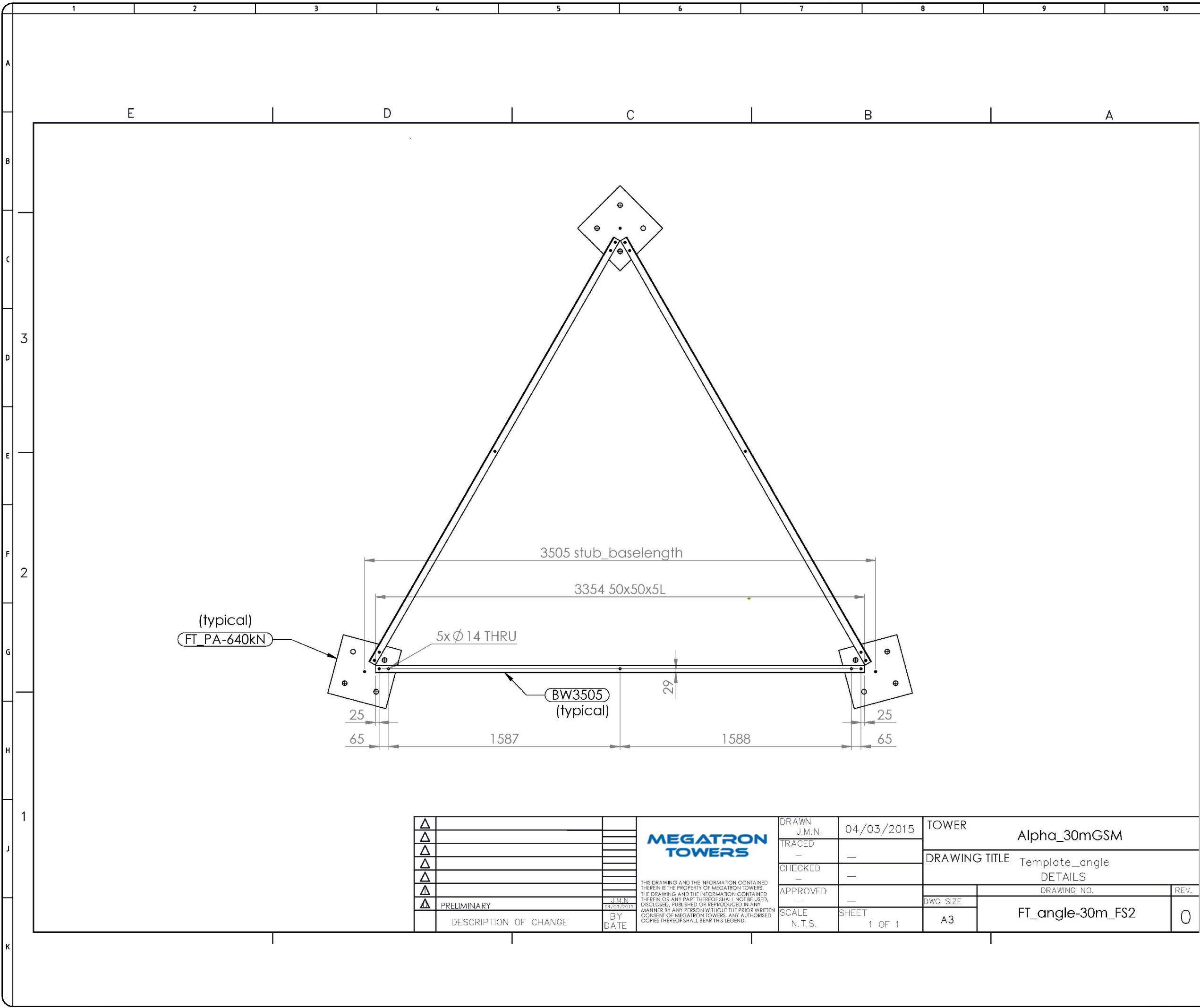
MTN

X100195

11-15

A

Construction





SITE NAME: LUIPERDSBERG

T-NUMBER: X100195

LAND ID: N/A

WBS NO: N/A

RFQ NO:

PROJECT NO:

LATITUDE

LONGITUDE

ASL

34.13157 S

20.30522 E

375m

ADDRESS

Luiperdsberg

Swellendam

Cape Town

SURVEY DATE: 05.09.2015

ENGINEER: N/A

ECSA NO.: N/A

SITE SURVEYOR: Marius Nortje

MTN RADIO ENGINEER

NAME: SIGN

MTN PLANNER

NAME: SIGN

ZTE APPROVAL

NAME: SIGN

Commencement of work subject to above approval

DRAWN BY

CHECKED BY

NAME:

NAME:

D.de Wet

DATE

DATE

25.09.2015

REVISIONS

REV

DESCRIPTION

BY

DATE

0

Original

D.de Wet

25.09.2015

TITLE: Tower Foundation

DRAWING No. : C10

PROJECT

SITE NO.

SHEET

REV

MTN

X100195

12-15

A

Construction

Δ

Δ

Δ

Δ

Δ

Δ

Δ

PRELIMINARY

04/03/2015

DESCRIPTION OF CHANGE

BY DATE

MEGATRON TOWERS

THIS DRAWING AND THE INFORMATION CONTAINED THEREIN IS THE PROPERTY OF MEGATRON TOWERS. THE DRAWING AND THE INFORMATION CONTAINED THEREIN OR ANY PART THEREOF SHALL NOT BE USED, DISCLOSED, PUBLISHED OR REPRODUCED IN ANY MANNER BY ANY PERSON WITHOUT THE PRIOR WRITTEN CONSENT OF MEGATRON TOWERS. ANY AUTHORISED COPIES THEREOF SHALL BEAR THIS LEGEND.

DRAWN

J.M.N.

04/03/2015

TOWER

Alpha_30mGSM

TRACED

—

CHECKED

—

APPROVED

—

SCALE

N.T.S.

SHEET

1 OF 1

DWG SIZE

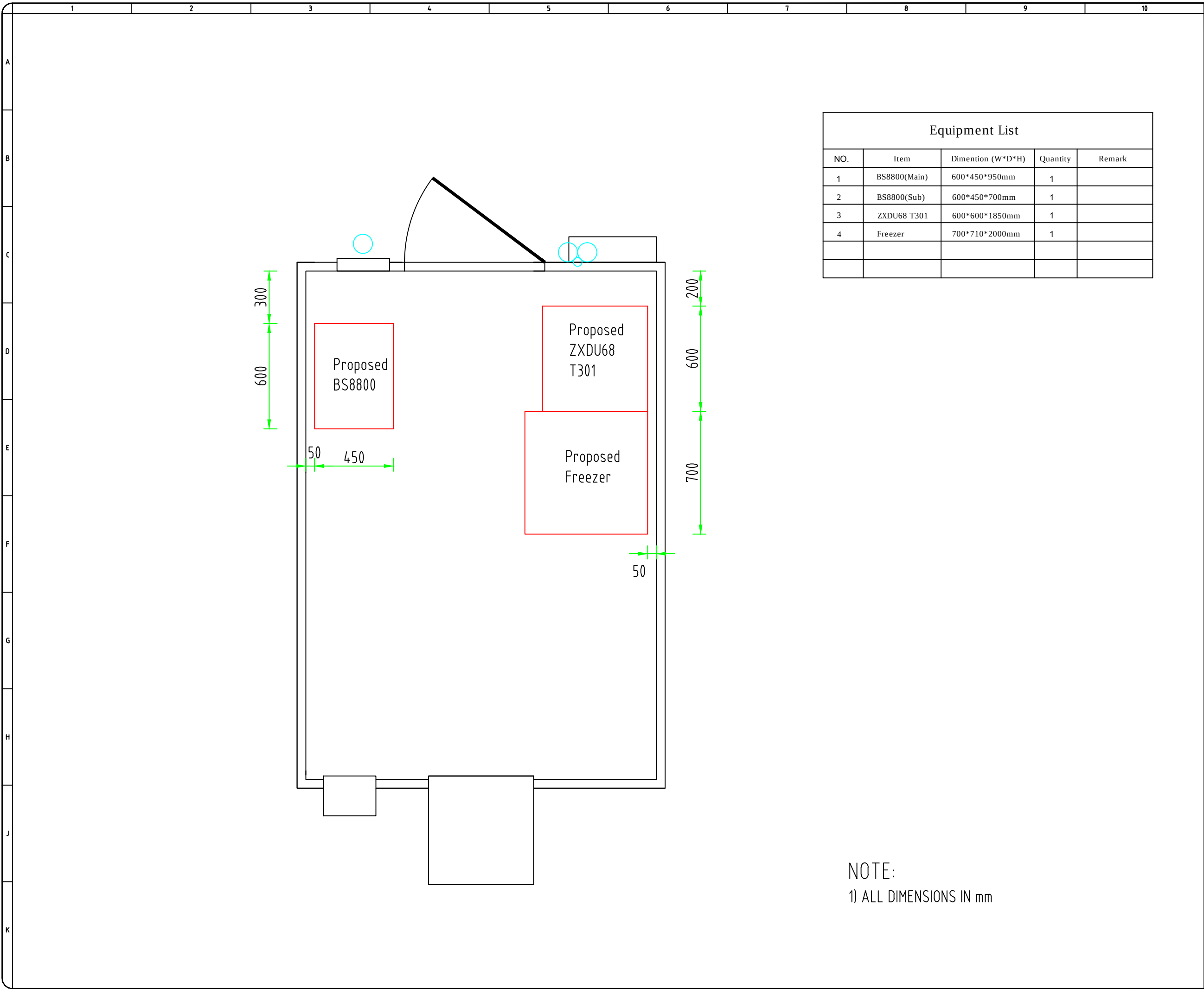
A3

DRAWING NO.

FT_angle-30m_FS2

REV.

0



Equipment List				
NO.	Item	Dimention (W*D*H)	Quantity	Remark
1	BS8800(Main)	600*450*950mm	1	
2	BS8800(Sub)	600*450*700mm	1	
3	ZXDU68 T301	600*600*1850mm	1	
4	Freezer	700*710*2000mm	1	

NOTE:
1) ALL DIMENSIONS IN mm







SITE NAME: LUIPERDSBERG

T-NUMBER: X100195

LAND ID: N/A

WBS NO: N/A

RFQ NO:

PROJECT NO:

LATITUDE

LONGITUDE

ASL

34.13157 S

20.30522 E

375m

ADDRSS

Luiperdsberg

Swellendam

Cape Town

SURVEY DATE: 05.09.2015

ENGINEER: N/A

ECSA NO.: N/A

SITE SURVEYOR: Marius Nortje

MTN RADIO ENGINEER

NAME:

SIGN

MTN PLANNER

NAME:

SIGN

ZTE APPROVAL

NAME:

SIGN

Commencement of work subject to above approval

DRAWN BY

CHECKED BY

NAME:

NAME:

D.de Wet

DATE

DATE

25.09.2015

REVISIONS

REV

DESCRIPTION

BY

DATE

0

Original

D.de Wet

25.09.2015

TITLE:

Equipment layout

DRAWING No. : C11

PROJECT

SITE NO.

SHEET

REV

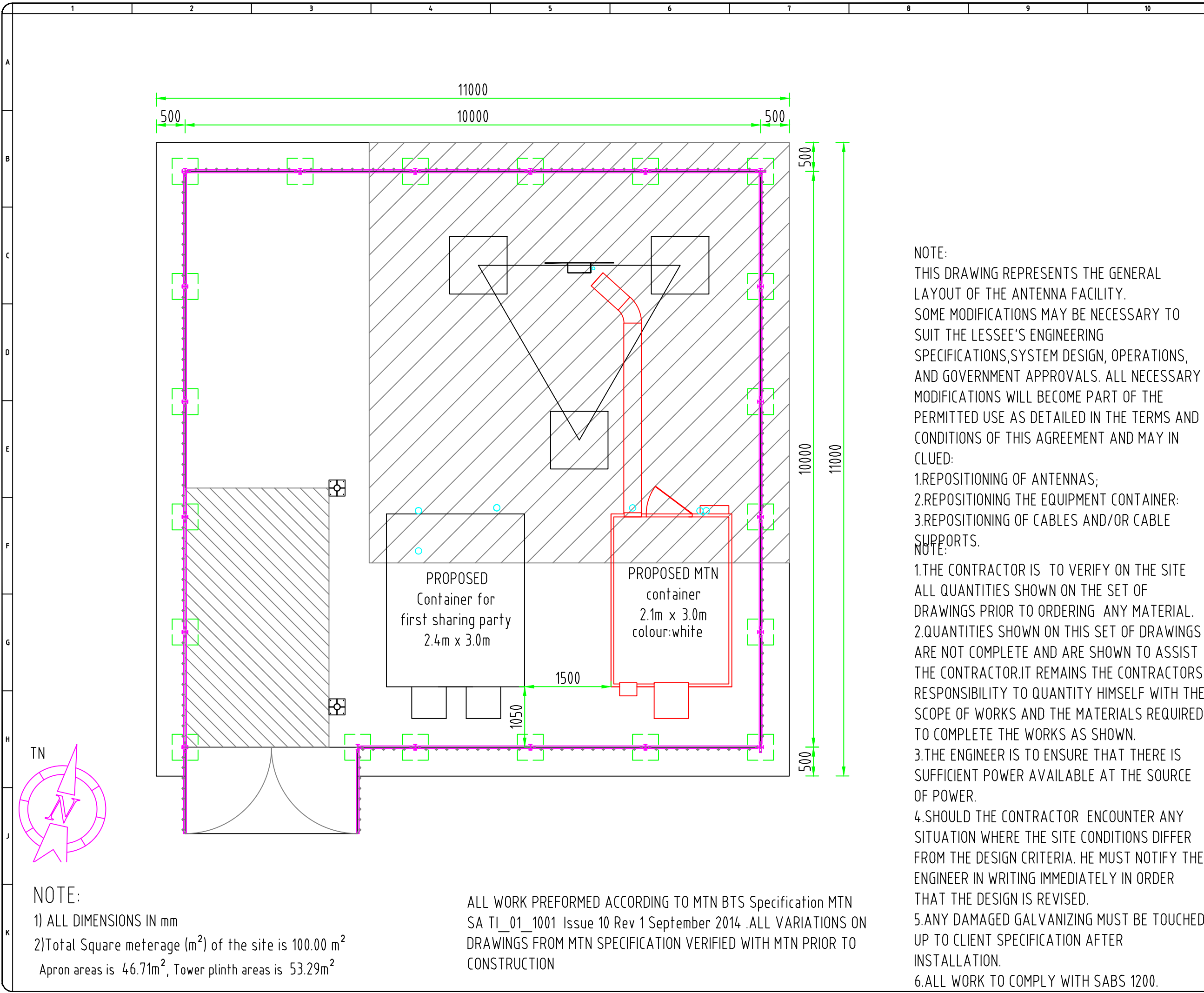
MTN

X100195

13-15

A

Construction



NOTE:

1) ALL DIMENSIONS IN mm

2) Total Square meterage (m²) of the site is 100.00 m²

Apron areas is 46.71m², Tower plinth areas is 53.29m²

ALL WORK PREFORMED ACCORDING TO MTN BTS Specification MTN SA TI_01_1001 Issue 10 Rev 1 September 2014 .ALL VARIATIONS ON DRAWINGS FROM MTN SPECIFICATION VERIFIED WITH MTN PRIOR TO CONSTRUCTION

NOTE:

THIS DRAWING REPRESENTS THE GENERAL LAYOUT OF THE ANTENNA FACILITY. SOME MODIFICATIONS MAY BE NECESSARY TO SUIT THE LESSEE'S ENGINEERING SPECIFICATIONS, SYSTEM DESIGN, OPERATIONS, AND GOVERNMENT APPROVALS. ALL NECESSARY MODIFICATIONS WILL BECOME PART OF THE PERMITTED USE AS DETAILED IN THE TERMS AND CONDITIONS OF THIS AGREEMENT AND MAY IN CLUDED:

1.REPOSITIONING OF ANTENNAS;

2.REPOSITIONING THE EQUIPMENT CONTAINER:

3.REPOSITIONING OF CABLES AND/OR CABLE SUPPORTS.

NOTE:

1.THE CONTRACTOR IS TO VERIFY ON THE SITE ALL QUANTITIES SHOWN ON THE SET OF DRAWINGS PRIOR TO ORDERING ANY MATERIAL.

2.QUANTITIES SHOWN ON THIS SET OF DRAWINGS ARE NOT COMPLETE AND ARE SHOWN TO ASSIST THE CONTRACTOR.IT REMAINS THE CONTRACTORS RESPONSIBILITY TO QUANTITY HIMSELF WITH THE SCOPE OF WORKS AND THE MATERIALS REQUIRED TO COMPLETE THE WORKS AS SHOWN.

3.THE ENGINEER IS TO ENSURE THAT THERE IS SUFFICIENT POWER AVAILABLE AT THE SOURCE OF POWER.

4.SHOULD THE CONTRACTOR ENCOUNTER ANY SITUATION WHERE THE SITE CONDITIONS DIFFER FROM THE DESIGN CRITERIA. HE MUST NOTIFY THE ENGINEER IN WRITING IMMEDIATELY IN ORDER THAT THE DESIGN IS REVISED.

5.ANY DAMAGED GALVANIZING MUST BE TOUCHED UP TO CLIENT SPECIFICATION AFTER INSTALLATION.

6.ALL WORK TO COMPLY WITH SABS 1200.



SITE NAME: LUIPERDSBERG

T-NUMBER: X100195

LAND ID: N/A

WBS NO: N/A

RFQ NO:

PROJECT NO:

LATITUDE	LONGITUDE	ASL
34.13157 S	20.30522 E	375m

ADDRESS Luiperdsberg
Swellendam
Cape Town

SURVEY DATE: 05.09.2015

ENGINEER: N/A

ECSA NO.: N/A

SITE SURVEYOR: Marius Nortje

MTN RADIO ENGINEER

NAME:	SIGN
MTN PLANNER	
NAME:	SIGN
ZTE APPROVAL	
NAME:	SIGN

Commencement of work subject to above approval

DRAWN BY	CHECKED BY
NAME:	NAME:
D.de Wet	
DATE	DATE
25.09.2015	

REVISIONS

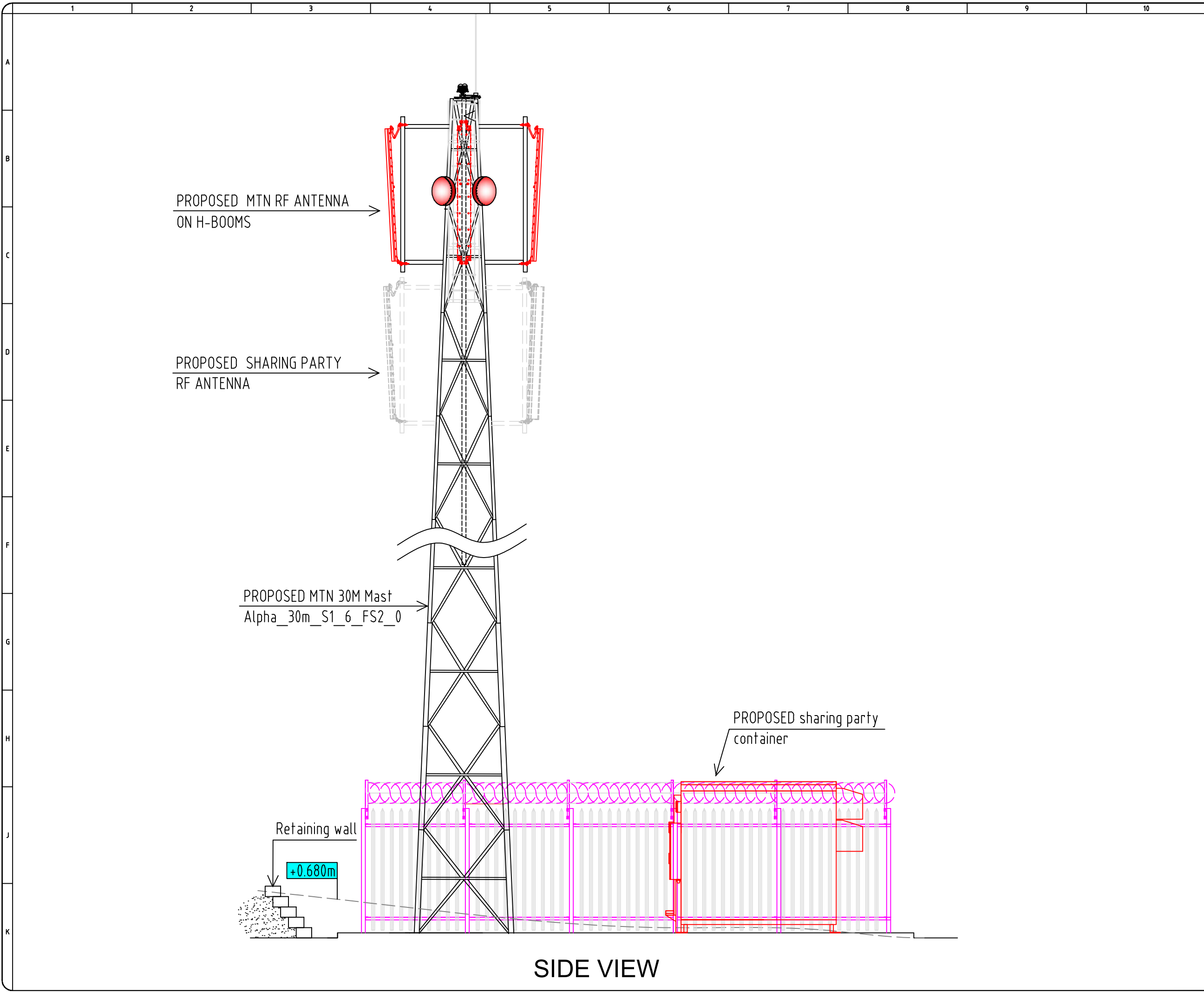
REV	DESCRIPTION	BY	DATE
0	Original	D.de Wet	25.09.2015

TITLE: TOP View

DRAWING No. : P1

PROJECT	SITE NO.	SHEET	REV
MTN	X100195	14-15	A

Preview





SITE NAME: LUIPERDSBERG

T-NUMBER: X100195

LAND ID: N/A

WBS NO: N/A

RFQ NO:

PROJECT NO:

LATITUDE	LONGITUDE	ASL
34.13157 S	20.30522 E	375m

ADDRESS Luiperdsberg
Swellendam
Cape Town

SURVEY DATE: 05.09.2015

ENGINEER: N/A

ECSA NO.: N/A

SITE SURVEYOR: Marius Nortje

MTN RADIO ENGINEER

NAME:	SIGN
-------	------

MTN PLANNER

NAME:	SIGN
-------	------

ZTE APPROVAL

NAME:	SIGN
-------	------

Commencement of work subject to above approval

DRAWN BY	CHECKED BY
NAME:	NAME:
D.de Wet	
DATE	DATE
25.09.2015	

REVISIONS

REV	DESCRIPTION	BY	DATE
0	Original	D.de Wet	25.09.2015

TITLE:

Front ☐ Side View ☒

DRAWING No. : P2

PROJECT	SITE NO.	SHEET	REV
MTN	X100195	15 -15	A

Preview