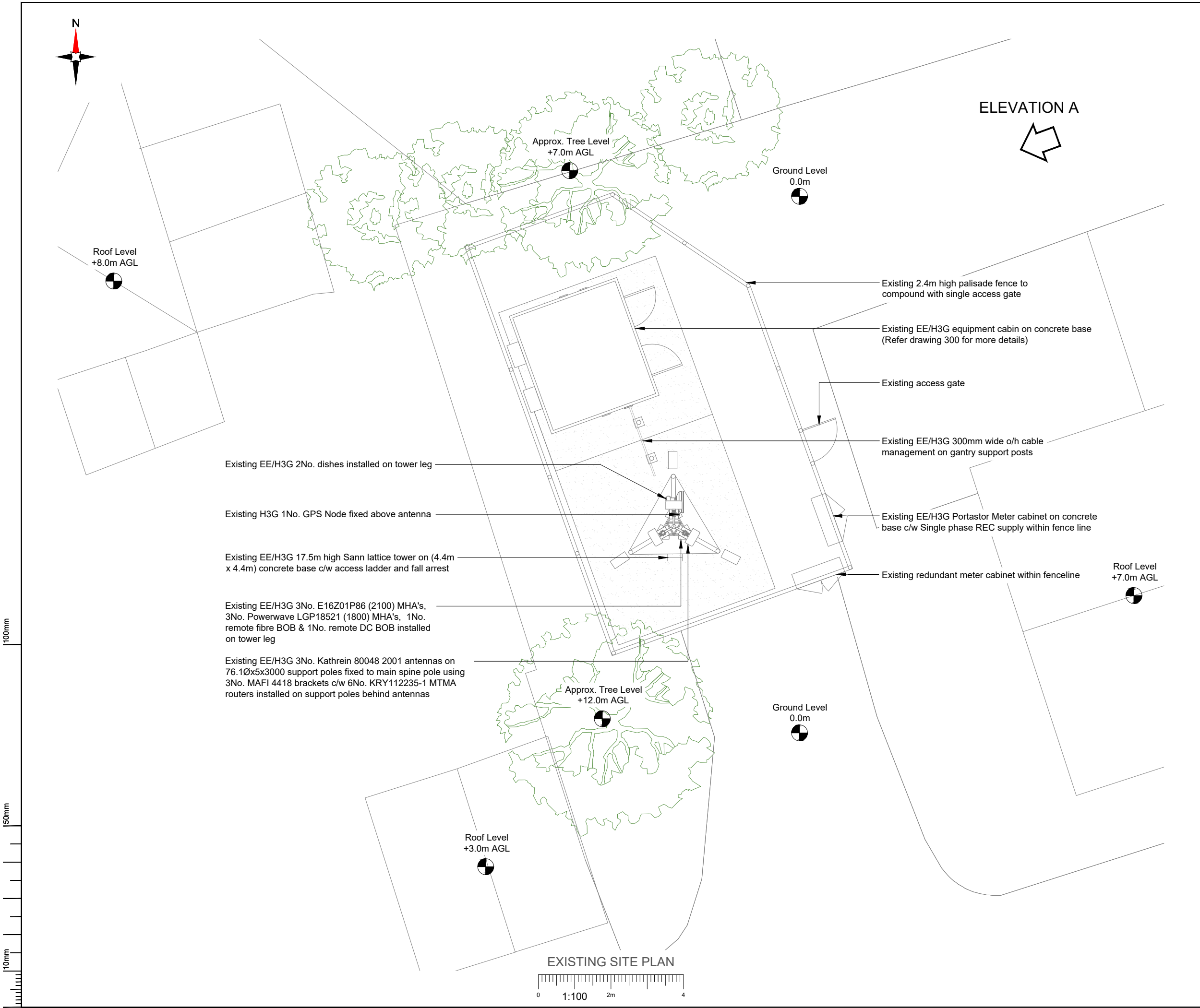




NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

Master: M003	MBNL / EE / H3G: EE	Project: Vendor Swap	Purpose of Issue: General Arrangement	Issue: C
Date: 01/02/2023	Drawn: C.Root	Revision / Upgrade Description: Third Issue; Amending as per E// comments		
Checked: C.Root	Approved: S.D.Gilroy			
Master: M002	MBNL / EE / H3G: EE	Project: Vendor Swap	Purpose of Issue: General Arrangement	Issue: B
Date: 13/01/2023	Drawn: C.Root	Revision / Upgrade Description: Second Issue; Amending as per E// comments		
Checked: C.Root	Approved: S.D.Gilroy			
Master: M001	MBNL / EE / H3G: EE	Project: Vendor Swap	Purpose of Issue: General Arrangement	Issue: A
Date: 19/08/2022	Drawn: A.Bocking	Revision / Upgrade Description: First Issue		
Checked: M.Samuel	Approved: C.Taggar			

Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001

Design Consultant & Principal Contractor:
WHP Telecoms
Unit 1 Maple Park,
Low Fields Avenue, Leeds
LS12 6HH

Tel: 01133023550
e-mail: info@whptelecoms.com

Site Name:
NEWTON STREET

Site ID:
1214275

Address:
LAND AT REAR OF CROWN GARDENS
& PERCY STREET OFF KINGSWAY,
ROCHDALE,
GREATER MANCHESTER,
OL16 5LG

Title:
100 EXISTING SITE PLAN

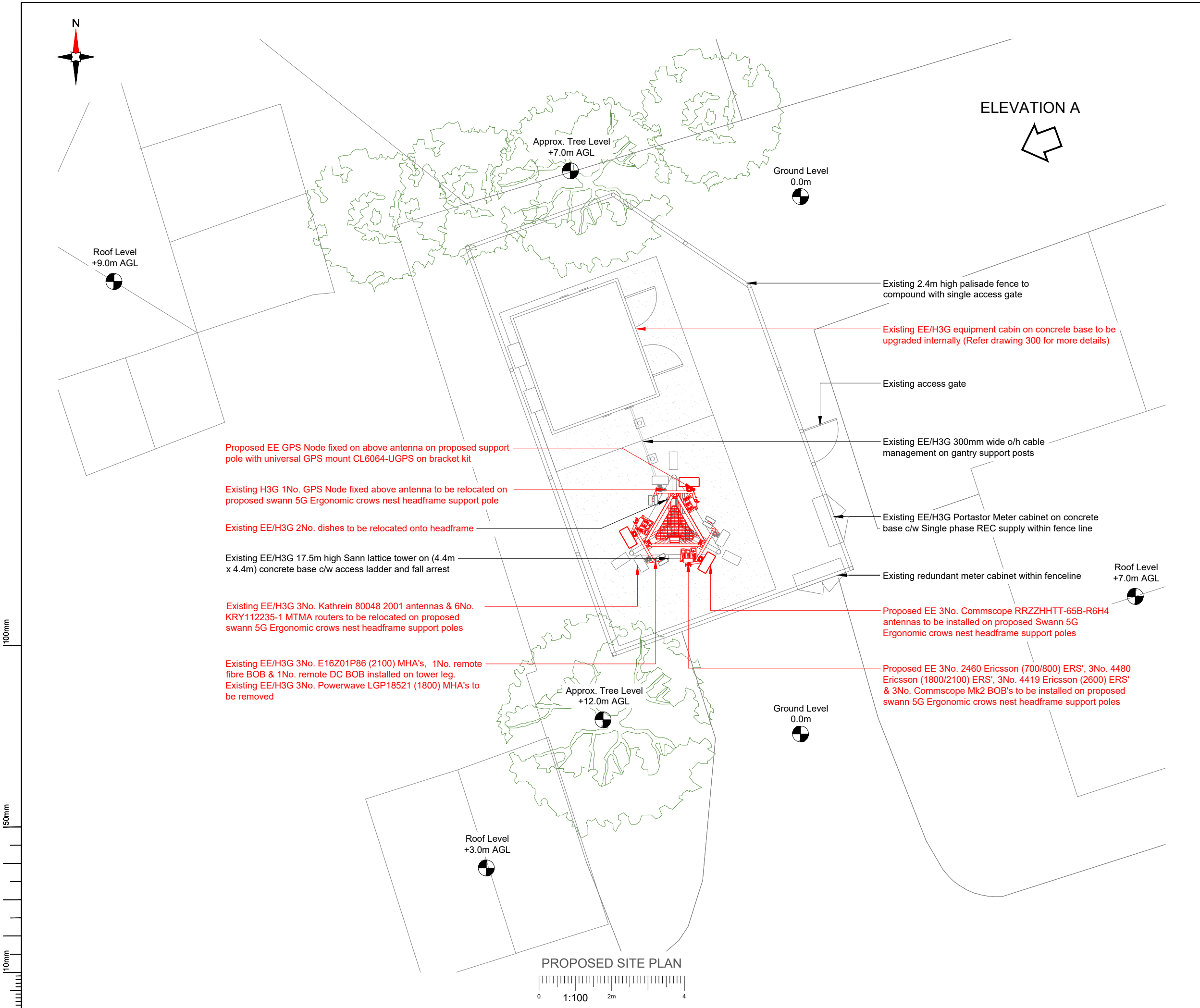
Project:
VENDOR SWAP

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID: 15356	MBNL Cell ID: ROD083	3UK Cell ID: OL0289
----------------------	-------------------------	------------------------

Master Drawing No:
1214275 _ROD083_15356_OL0289_M003

Issue:
C



NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

Note: GDC Required on existing tower & base

Note; Un-used feeder cables to remain and be capped

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	EE	Vendor Swap	General Arrangement	C
Date:	01/02/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Third Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	EE	Vendor Swap	General Arrangement	B
Date:	13/01/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Second Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	EE	Vendor Swap	General Arrangement	A
Date:	19/08/2022	Revision / Upgrade Description:		
Drawn:	A.Bocking	First Issue		
Checked:	M.Samuel			
Approved:	C.Taggar			

Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001

Design Consultant & Principal Contractor:
WHP Telecoms
Unit 1 Maple Park,
Low Fields Avenue, Leeds
LS12 6HH

Tel: 01133023550
e-mail: info@whptelecoms.com

Site Name:
NEWTON STREET

Site ID:
1214275

Address:
**LAND AT REAR OF CROWN GARDENS
& PERCY STREET OFF KINGSWAY,
ROCHDALE,
GREATER MANCHESTER,
OL16 5LG**

Title:
150 PROPOSED SITE PLAN

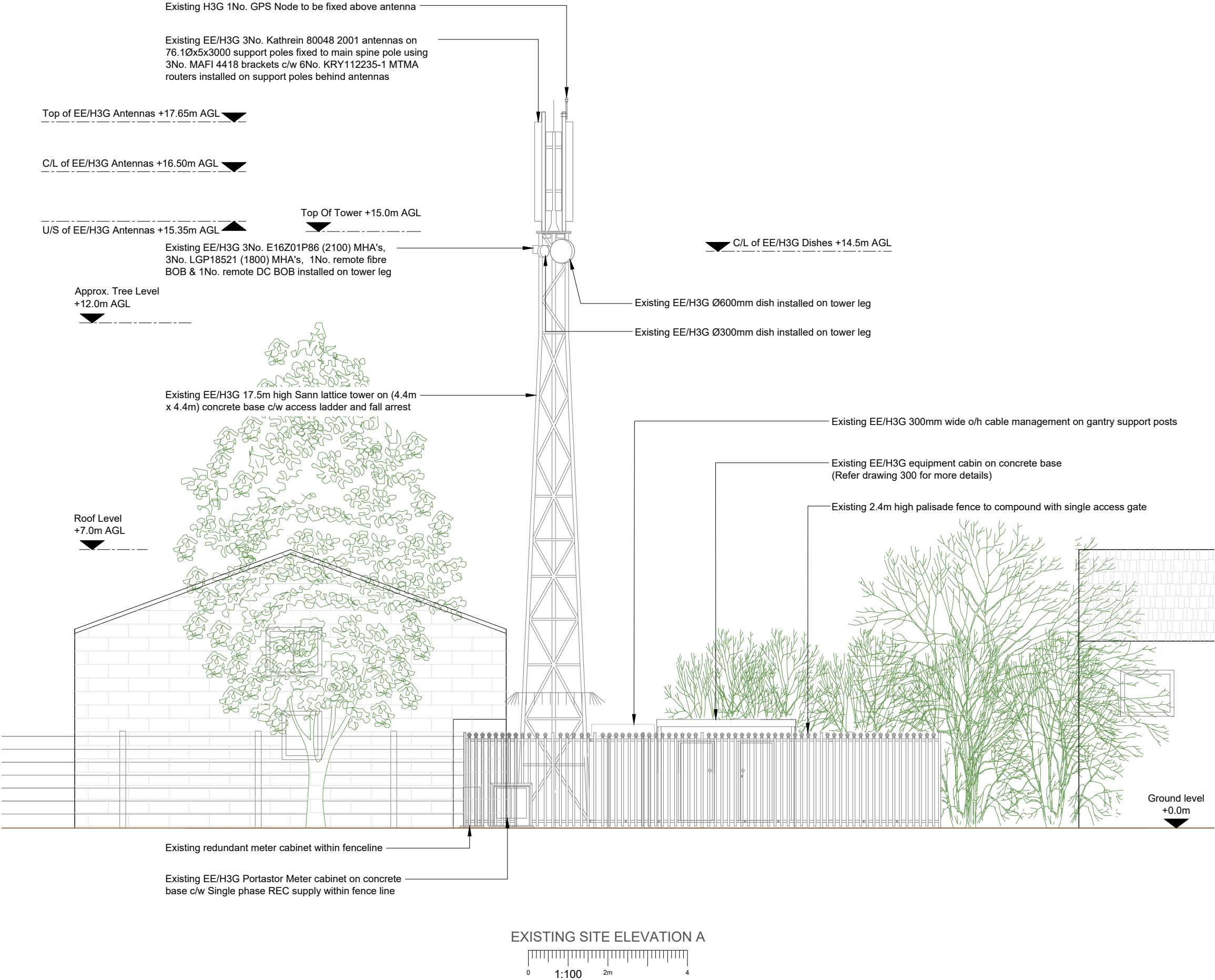
Project:
VENDOR SWAP

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
15356	ROD083	OL0289

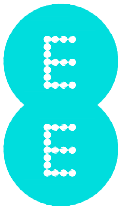
Master Drawing No:
1214275 _ROD083_15356_OL0289_M003

Issue:
C



- NOTES:
- ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	EE	Vendor Swap	General Arrangement	C
Date:	01/02/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Third Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	EE	Vendor Swap	General Arrangement	B
Date:	13/01/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Second Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	EE	Vendor Swap	General Arrangement	A
Date:	19/08/2022	Revision / Upgrade Description:		
Drawn:	A.Bocking	First Issue		
Checked:	M.Samuel			
Approved:	C.Taggar			



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001

Design Consultant & Principal Contractor:

 **WHP Telecoms**
Unit 1 Maple Park,
Low Fields Avenue, Leeds
LS12 6HH

Tel: 01133023550
e-mail: info@whptelecoms.com

Site Name: **NEWTON STREET**

Site ID: **1214275**

Address:
**LAND AT REAR OF CROWN GARDENS
& PERCY STREET OFF KINGSWAY,
ROCHDALE,
GREATER MANCHESTER,
OL16 5LG**

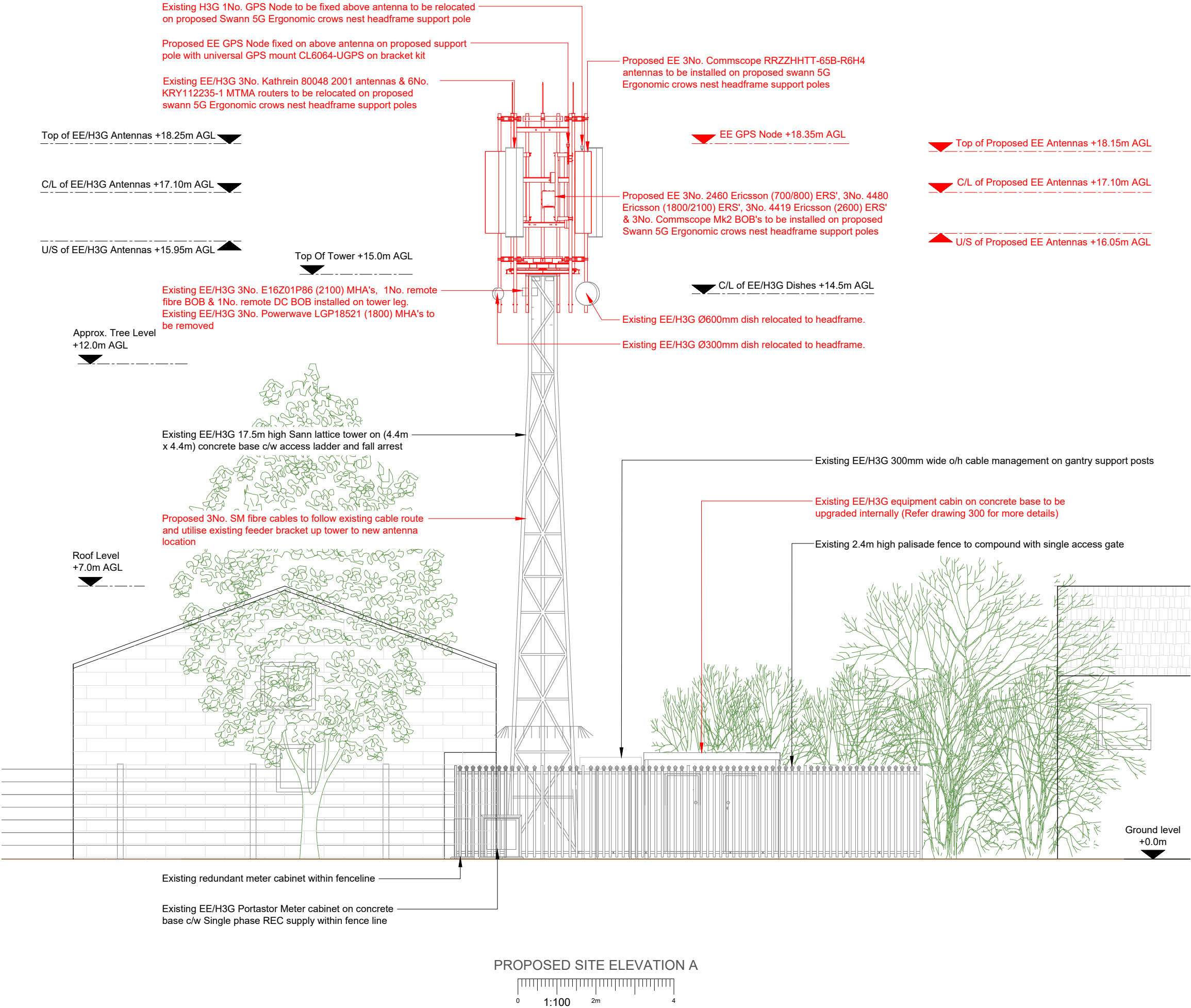
Title: **200 EXISTING SITE ELEVATION A**

Project: **VENDOR SWAP**

Purpose of Issue: **GENERAL ARRANGEMENT**

EE Cell ID: 15356	MBNL Cell ID: ROD083	3UK Cell ID: OL0289
-----------------------------	--------------------------------	-------------------------------

Master Drawing No: 1214275 _ROD083_15356_OL0289_M003	Issue: C
---	--------------------



NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

Note: GDC Required on existing tower & base

Note; Un-used feeder cables to remain and be capped

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	EE	Vendor Swap	General Arrangement	C
Date:	01/02/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Third Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	EE	Vendor Swap	General Arrangement	B
Date:	13/01/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Second Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	EE	Vendor Swap	General Arrangement	A
Date:	19/08/2022	Revision / Upgrade Description:		
Drawn:	A.Bocking	First Issue		
Checked:	M.Samuel			
Approved:	C.Taggar			



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001

Design Consultant & Principal Contractor:

WHP Telecoms
Unit 1 Maple Park,
Low Fields Avenue, Leeds
LS12 6HH

Tel: 01133023550
e-mail: info@whptelecoms.com

Site Name: NEWTON STREET

Site ID: 1214275

Address:
LAND AT REAR OF CROWN GARDENS
& PERCY STREET OFF KINGSWAY,
ROCHDALE,
GREATER MANCHESTER,
OL16 5LG

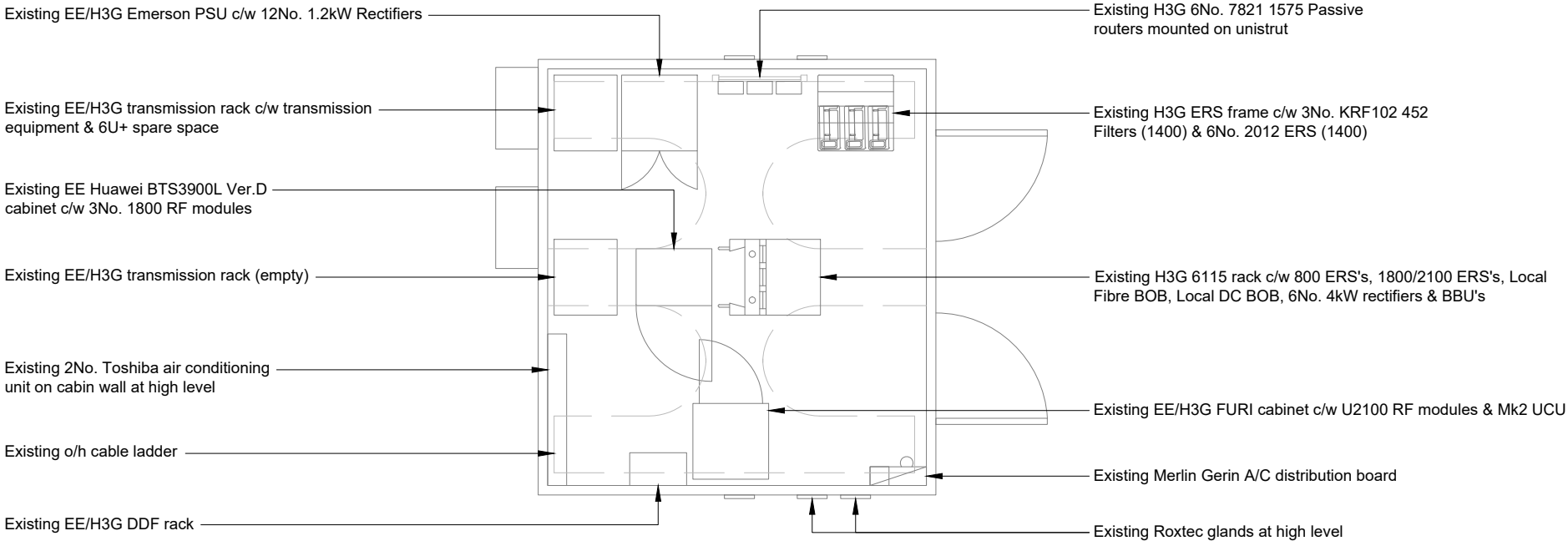
Title: 250 PROPOSED SITE ELEVATION A

Project: VENDOR SWAP

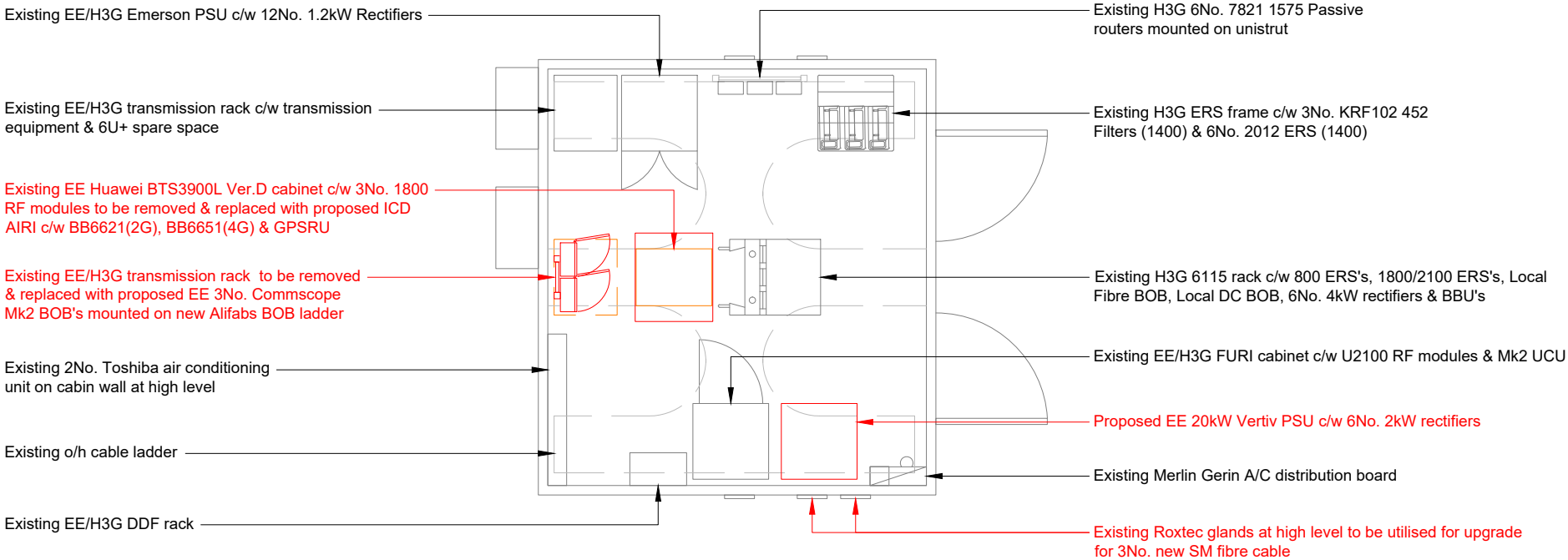
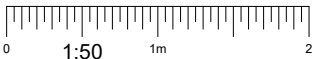
Purpose of Issue: GENERAL ARRANGEMENT

EE Cell ID: 15356	MBNL Cell ID: ROD083	3UK Cell ID: OL0289
----------------------	-------------------------	------------------------

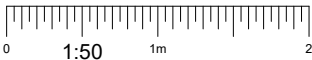
Master Drawing No: 1214275 _ROD083_15356_OL0289_M003	Issue: C
---	-------------



EXISTING CABIN LAYOUT



PROPOSED CABIN LAYOUT



NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	EE	Vendor Swap	General Arrangement	C
Date:	01/02/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Third Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	EE	Vendor Swap	General Arrangement	B
Date:	13/01/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Second Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	EE	Vendor Swap	General Arrangement	A
Date:	19/08/2022	Revision / Upgrade Description:		
Drawn:	A.Bocking	First Issue		
Checked:	M.Samuel			
Approved:	C.Taggar			



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001

Design Consultant & Principal Contractor:



WHP Telecoms
Unit 1 Maple Park,
Low Fields Avenue, Leeds
LS12 6HH

Tel: 01133023550
e-mail: info@whptelecoms.com

Site Name: **NEWTON STREET**

Site ID: **1214275**

Address:
**LAND AT REAR OF CROWN GARDENS
& PERCY STREET OFF KINGSWAY,
ROCHDALE,
GREATER MANCHESTER,
OL16 5LG**

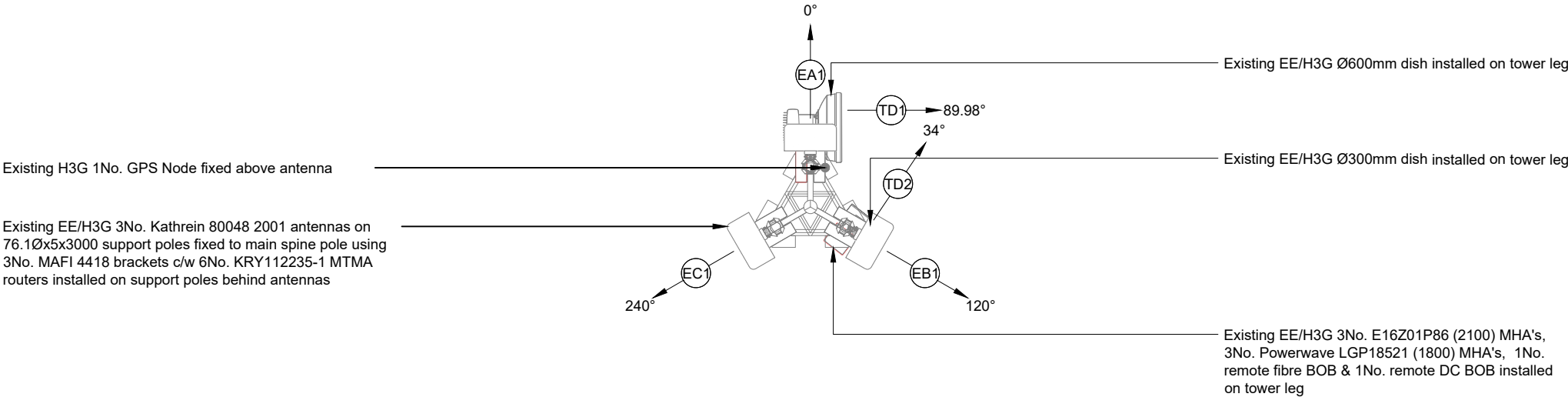
Title: **300 CABIN / INTERNAL ROOM LAYOUT**

Project: **VENDOR SWAP**

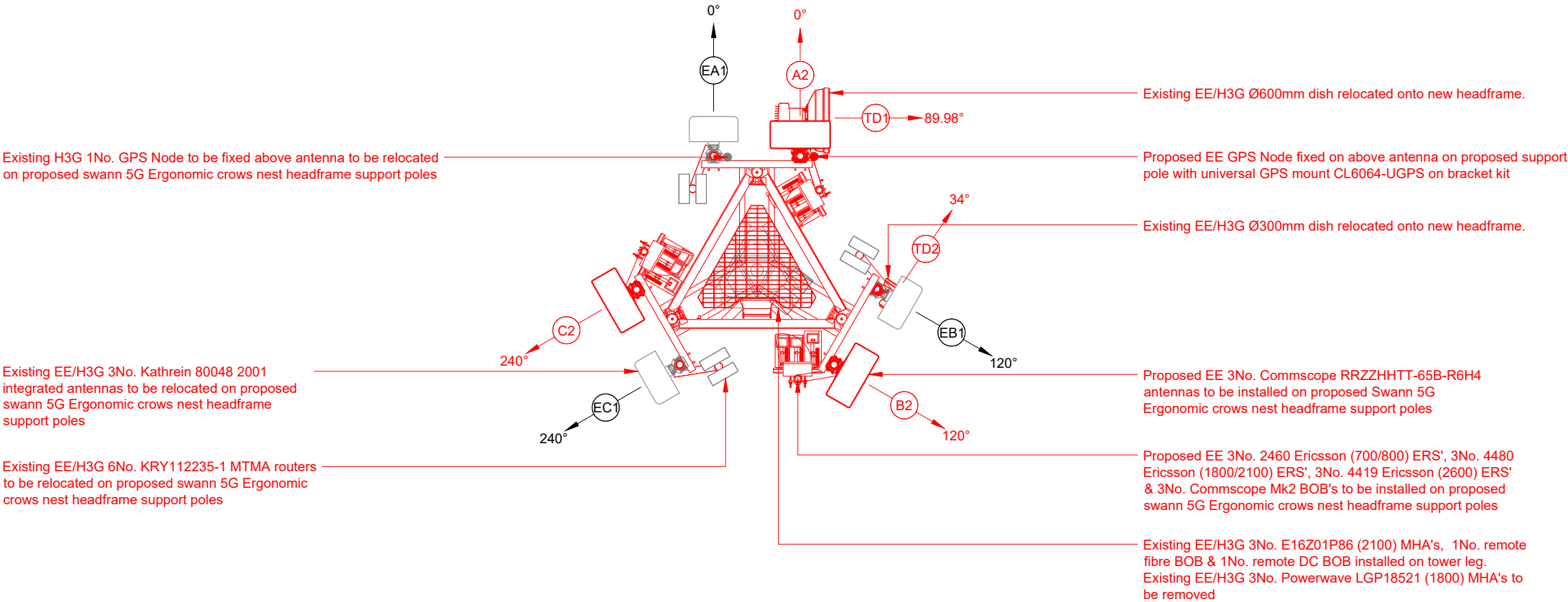
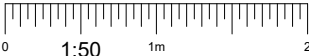
Purpose of Issue: **GENERAL ARRANGEMENT**

EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
15356	ROD083	OL0289

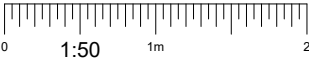
Master Drawing No:	Issue:
1214275 _ROD083_15356_OL0289_M003	C



EXISTING ANTENNA PLAN



PROPOSED ANTENNA PLAN



NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	EE	Vendor Swap	General Arrangement	C
Date:	01/02/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Third Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	EE	Vendor Swap	General Arrangement	B
Date:	13/01/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Second Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	EE	Vendor Swap	General Arrangement	A
Date:	19/08/2022	Revision / Upgrade Description:		
Drawn:	A.Bocking	First Issue		
Checked:	M.Samuel			
Approved:	C.Taggar			

Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001

Design Consultant & Principal Contractor:

WHP Telecoms
Unit 1 Maple Park,
Low Fields Avenue, Leeds
LS12 6HH

Tel: 01133023550
e-mail: info@whptelecoms.com

Site Name:

NEWTON STREET

Site ID:

1214275

Address:

LAND AT REAR OF CROWN GARDENS
& PERCY STREET OFF KINGSWAY,
ROCHDALE,
GREATER MANCHESTER,
OL16 5LG

Title:

310 ANTENNA HEADFRAME &
SUPPORT STRUCTURE PLAN

Project:

VENDOR SWAP

Purpose of Issue:

GENERAL ARRANGEMENT

EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
15356	ROD083	OL0289

Master Drawing No:

1214275 _ROD083_15356_OL0289_M003

Issue:

C

ANTENNA SCHEDULE

Antenna Type, Azimuth, Tilt and Ports														Feeders / MHA / ERS / Overall System Loss												
Antenna ID	Antenna Type & length	Antenna C/L	Bearing	Mechanical Tilt (+ / -)	Electrical Tilt (+ / -)	Manufacturers Port Frequency Range (MHz)	Operator & Frequencies	Labeling	RET	Antenna feeder Jumper	MHA / Diplexer / Active Router	MHA / Diplexer Jumper	Active Router	MHA/ Diplexer, Triplexer Jumper	Main Feeder Type & Length	Main Feeder jumper	Passive router / UCU / SBC	Passive router / UCU / SBC feeder jumper	ERS / RFU	ERS / AAU Jumper Type & Length	Remote BOB	Main Fibre Length	Local BOB	BTS Tail or Fibre Tail Type & Length	Estimated To System Loss Highest Work Frequency (dB)	
EA1	KATHREIN 80048 2001	16.50m	0°	0°	0°	698-960 3-4	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					0°	698-960 1-2	H3G 800	H08eA1	H08P:000:R2	3m 4-50	-	-	2No. KRY112235-1	-	2No. 22m 5-50	3m 4-50	2No. 7821 1575 (8/14/18/21) & 1No. KRF102 452 (1400)	3m 5-50	ERS 2262	-	-	-	-	3m 4-50	-1.61	
					0°	1427-2690 5-6	H3G 1400	H14eA1	H14P:000:Y1	3m 4-50	-	-		2xERS 2012					-	-	-	-	3m 4-50	-2.12		
					0°	1427-2690 11-12	H3G 1800/2100	H18eA1 / H21uA1	H21P:H18S: 000:Y2	3m 4-50	-	-		ERS 4480					-	-	-	-	3m 4-50	1800: -2.51 2100: -2.69		
					0°	1695-2960 7-8	EE 2100 / H3G 2100	E21uA1 / H21uA1	E21P:H21P: 000:Y3	3m 4-50	E16Z01P86	3m 4-50		-					-	2No. 22m 5-50	3m 4-50	UCU MKII	3m 4-50	RFU	-	-
					0°	1695-2960 9-10	EE 1800	E18gsmA1	E18P:000:Y4	3m 4-50	LGP18521	3m 4-50	-	-	2No. 22m 5-50	3m 4-50	-	3m 4-50	RFU	-	-	-	-	3m 4-50	Ex.	
					0°	2300-3800	H3G 3600	H36gA1	-	-	-	-	-	-	-	-	-	-	AAU	3m 11758 DC & 3m 11759 FIBRE	DC BOB 11820 + FIBRE BOB 11819	25m ICD 11755 - A DC/Fibre	LOCAL DC BOB 11816	3m 11821 DC	N/A	
EB1	KATHREIN 80048 2001	16.50m	120°	0°	0°	698-960 3-4	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					0°	698-960 1-2	H3G 800	H08eB1	H08P:120:R2	3m 4-50	-	-	2No. KRY112235-1	-	2No. 22m 5-50	3m 4-50	2No. 7821 1575 (8/14/18/21) & 1No. KRF102 452 (1400)	3m 5-50	ERS 2262	-	-	-	-	3m 4-50	-1.61	
					0°	1427-2690 5-6	H3G 1400	H14eB1	H14P:120:Y1	3m 4-50	-	-		-					2xERS 2012	-	-	-	-	3m 4-50	-2.12	
					0°	1427-2690 11-12	H3G 1800/2100	H18eB1 / H21uB1	H21P:H18S: 120:Y2	3m 4-50	-	-		-					ERS 4480	-	-	-	-	3m 4-50	1800: -2.51 2100: -2.69	
					0°	1695-2960 7-8	EE 2100 / H3G 2100	E21uB1 / H21uB1	E21P:H21P: 120:Y3	3m 4-50	E16Z01P86	3m 4-50		-					-	2No. 22m 5-50	3m 4-50	UCU MKII	3m 4-50	RFU	-	-
					0°	1695-2960 9-10	EE 1800	E18gsmB1	E18P:120:Y4	3m 4-50	LGP18521	3m 4-50	-	-	2No. 22m 5-50	3m 4-50	-	3m 4-50	RFU	-	-	-	-	3m 4-50	Ex.	
					0°	2300-3800	H3G 3600	H36gB1	-	-	-	-	-	-	-	-	-	-	AAU	3m 11758 DC & 3m 11759 FIBRE	DC BOB 11820 + FIBRE BOB 11819	25m ICD 11755 - A DC/Fibre	LOCAL DC BOB 11816	3m 11821 DC	N/A	
EC1	KATHREIN 80048 2001	16.50m	240°	0°	0°	698-960 3-4	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					0°	698-960 1-2	H3G 800	H08eC1	H08P:240:R2	3m 4-50	-	-	2No. KRY112235-1	-	2No. 22m 5-50	3m 4-50	2No. 7821 1575 (8/14/18/21) & 1No. KRF102 452 (1400)	3m 5-50	ERS 2262	-	-	-	-	3m 4-50	-1.61	
					0°	1427-2690 5-6	H3G 1400	H14eC1	H14P:240:Y1	3m 4-50	-	-		-					2xERS 2012	-	-	-	-	3m 4-50	-2.12	
					0°	1427-2690 11-12	H3G 1800/2100	H18eC1 / H21uC1	H21P:H18S: 240:Y2	3m 4-50	-	-		-					ERS 4480	-	-	-	-	3m 4-50	1800: -2.51 2100: -2.69	
					0°	1695-2960 7-8	EE 2100 / H3G 2100	E21uC1 / H21uC1	E21P:H21P: 240:Y3	3m 4-50	E16Z01P86	3m 4-50		-					-	2No. 22m 5-50	3m 4-50	UCU MKII	3m 4-50	RFU	-	-
					0°	1695-2960 9-10	EE 1800	E18gsmC1	E18P:240:Y4	3m 4-50	LGP18521	3m 4-50	-	-	2No. 22m 5-50	3m 4-50	-	3m 4-50	RFU	-	-	-	-	3m 4-50	Ex.	
					0°	2300-3800	H3G 3600	H36gC1	-	-	-	-	-	-	-	-	-	-	AAU	3m 11758 DC & 3m 11759 FIBRE	DC BOB 11820 + FIBRE BOB 11819	25m ICD 11755 - A DC/Fibre	LOCAL DC BOB 11816	3m 11821 DC	N/A	

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	EE	Vendor Swap	General Arrangement	C
Date:	01/02/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Third Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	EE	Vendor Swap	General Arrangement	B
Date:	13/01/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Second Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	EE	Vendor Swap	General Arrangement	A
Date:	19/08/2022	Revision / Upgrade Description:		
Drawn:	A.Bocking	First Issue		
Checked:	M.Samuel			
Approved:	C.Taggar			



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001

Design Consultant & Principal Contractor:



WHP Telecoms
Unit 1 Maple Park,
Low Fields Avenue, Leeds
LS12 6HH

Tel: 01133023550
e-mail: info@whptelecoms.com

Site Name:	NEWTON STREET		
Site ID:	1214275		
Address:	LAND AT REAR OF CROWN GARDENS & PERCY STREET OFF KINGSWAY, ROCHDALE, GREATER MANCHESTER, OL16 5LG		
Title:	320 EXISTING ANTENNA SCHEDULE		
Project:	VENDOR SWAP		
Purpose of Issue:	GENERAL ARRANGEMENT		
EE Cell ID:	MBNL Cell ID:	3UK Cell ID:	
15356	ROD083	OL0289	
Master Drawing No:			
1214275 _ROD083_15356_OL0289_M003			
Issue:			
C			

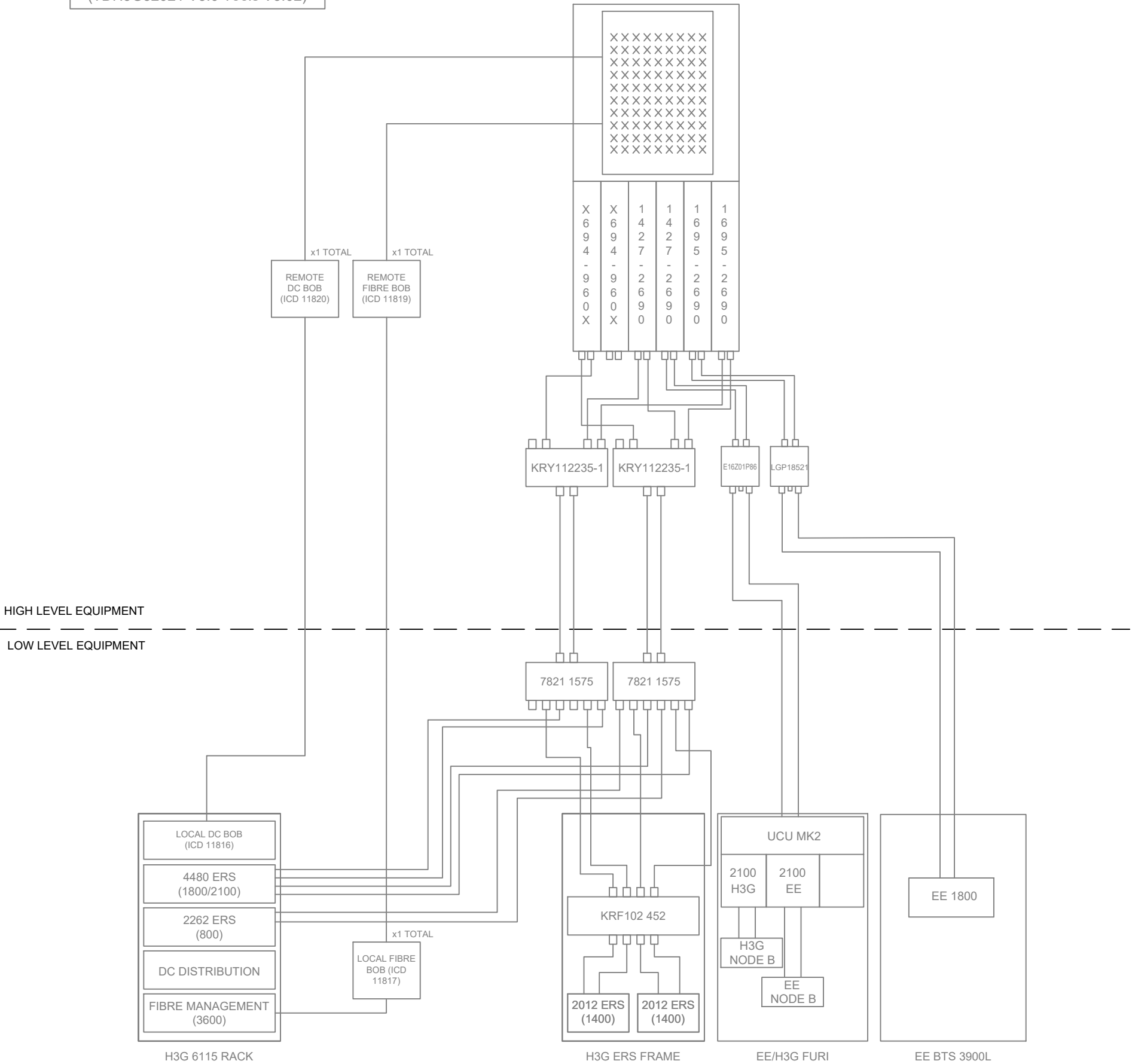
100mm

150mm

10mm

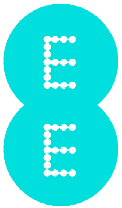
RF CODE:
310-1(3)_B_M32_0_A24+P62_F
(TDH3G52021 V3.0 Tools V3.02)

EE/H3G KATHREIN 80048
2001



EXISTING EE/H3G ANTENNA LINE CONFIGURATION

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	EE	Vendor Swap	General Arrangement	C
Date:	01/02/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Third Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	EE	Vendor Swap	General Arrangement	B
Date:	13/01/2023	Revision / Upgrade Description:		
Drawn:	C.Root	Second Issue; Amending as per E// comments		
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	EE	Vendor Swap	General Arrangement	A
Date:	19/08/2022	Revision / Upgrade Description:		
Drawn:	A.Bocking	First Issue		
Checked:	M.Samuel			
Approved:	C.Taggar			



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001

Design Consultant & Principal Contractor:



WHP Telecoms
Unit 1 Maple Park,
Low Fields Avenue, Leeds
LS12 6HH

Tel: 01133023550
e-mail: info@whptelecoms.com

Site Name:
NEWTON STREET

Site ID:
1214275

Address:
LAND AT REAR OF CROWN GARDENS
& PERCY STREET OFF KINGSWAY,
ROCHDALE,
GREATER MANCHESTER,
OL16 5LG

Title:
325 EXISTING ANTENNA LINE
CONFIGURATION

Project:
VENDOR SWAP

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID: 15356	MBNL Cell ID: ROD083	3UK Cell ID: OL0289
----------------------	-------------------------	------------------------

Master Drawing No: 1214275 _ROD083_15356_OL0289_M003	Issue: C
---	-------------

PROPOSED ANTENNA SCHEDULE (Proposed / Existing-Remain)

Antenna Type, Azimuth, Tilt and Ports														Feeders / MHA / ERS / Overall System Loss													
Antenna ID	Antenna Type & length	Antenna C/L	Bearing	Mechanical Tilt (+ / -)	Electrical Tilt (+ / -)	Manufacturers Port Frequency Range (MHz)	Operator & Frequencies	Labeling	RET	Antenna feeder Jumper	MHA / Diplexer / Active Router	MHA / Diplexer Jumper	Active Router	MHA/ Diplexer, Triplexer Jumper	Main Feeder Type & Length	Main Feeder jumper	Passive router / UCU / SBC	Passive router / UCU / SBC feeder jumper	ERS / RFU	ERS / AAU Jumper Type & Length	Remote BOB	Main Fibre Length	Local BOB	BTS Tail or Fibre Tail Type & Length	Estimated Total System Loss At Highest Working Frequency (dB)		
EA1	KATHREIN 80048 2001	17.10m	0°	0°	0°	698-960 3-4	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					0°	698-960 1-2	H3G 800	H08eA1	H08P:000:R2	3m 4-50	-	-	2No. KRY112235-1	-	2No. 22m 5-50	3m 4-50	2No. 7821 1575 (8/14/18/21) & 1No. KRF102 452 (1400)	3m 5-50	ERS 2262	2m	-	-	-	-	3m 4-50	-	
					0°	1427-2690 5-6	H3G 1400	H14eA1	H14P:000:Y1	3m 4-50	-	-		2xERS 2012					2m	-	-	-	-	3m 4-50	-		
					0°	1427-2690 11-12	H3G 1800/2100	H18eA1 / H21uA1	H21P:H18S: 000:Y2	3m 4-50	-	-		-					ERS 4480	2m	-	-	-	-	3m 4-50	1800: - 2100: -	
					0°	1695-2960 7-8	EE 2100 / H3G 2100	E21uA1 / H21uA1	E21P:H21P: 000:Y3	3m 4-50	E16Z01P86	3m 4-50		-					-	2No. 22m 5-50	3m 4-50	UCU MKII	3m 4-50	RFU	-	-	-
					0°	1695-2960 9-10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					0°	2300-3800	H3G 3600	H36gA1	-	-	-	-	-	-	-	-	-	-	-	-	-	AAU	3m 11758 DC & 3m 11759 FIBRE	DC BOB 11820 + FIBRE BOB 11819	25m ICD 11755 - A DC/Fibre	LOCAL DC BOB 11816	3m 11821 DC
EB1	KATHREIN 80048 2001	17.10m	120°	0°	0°	698-960 3-4	SPARE	-	-	3m 4-50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					0°	698-960 1-2	H3G 800	H08eB1	H08P:120:R2	3m 4-50	-	-	2No. KRY112235-1	-	2No. 22m 5-50	3m 4-50	2No. 7821 1575 (8/14/18/21) & 1No. KRF102 452 (1400)	3m 5-50	ERS 2262	2m	-	-	-	-	3m 4-50	-	
					0°	1427-2690 5-6	H3G 1400	H14eB1	H14P:120:Y1	3m 4-50	-	-		-					2xERS 2012	2m	-	-	-	-	3m 4-50	-	
					0°	1427-2690 11-12	H3G 1800/2100	H18eB1 / H21uB1	H21P:H18S: 120:Y2	3m 4-50	-	-		-					ERS 4480	2m	-	-	-	-	3m 4-50	1800: - 2100: -	
					0°	1695-2960 7-8	EE 2100 / H3G 2100	E21uB1 / H21uB1	E21P:H21P: 120:Y3	3m 4-50	E16Z01P86	3m 4-50		-					-	2No. 22m 5-50	3m 4-50	UCU MKII	3m 4-50	RFU	-	-	-
					0°	1695-2960 9-10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					0°	2300-3800	H3G 3600	H36gB1	-	-	-	-	-	-	-	-	-	-	-	-	-	AAU	3m 11758 DC & 3m 11759 FIBRE	DC BOB 11820 + FIBRE BOB 11819	25m ICD 11755 - A DC/Fibre	LOCAL DC BOB 11816	3m 11821 DC
EC1	KATHREIN 80048 2001	17.10m	240°	0°	0°	698-960 3-4	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					0°	698-960 1-2	H3G 800	H08eC1	H08P:240:R2	3m 4-50	-	-	2No. KRY112235-1	-	2No. 22m 5-50	3m 4-50	2No. 7821 1575 (8/14/18/21) & 1No. KRF102 452 (1400)	3m 5-50	ERS 2262	2m	-	-	-	-	-	3m 4-50	-
					0°	1427-2690 5-6	H3G 1400	H14eC1	H14P:240:Y1	3m 4-50	-	-		-					2xERS 2012	2m	-	-	-	-	-	3m 4-50	-
					0°	1427-2690 11-12	H3G 1800/2100	H18eC1 / H21uC1	H21P:H18S: 240:Y2	3m 4-50	-	-		-					ERS 4480	2m	-	-	-	-	-	3m 4-50	1800: - 2100: -
					0°	1695-2960 7-8	EE 2100 / H3G 2100	E21uC1 / H21uC1	E21P:H21P: 240:Y3	3m 4-50	E16Z01P86	3m 4-50		-					-	2No. 22m 5-50	3m 4-50	UCU MKII	3m 4-50	RFU	-	-	-
					0°	1695-2960 9-10	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					0°	2300-3800	H3G 3600	H36gC1	-	-	-	-	-	-	-	-	-	-	-	-	-	AAU	3m 11758 DC & 3m 11759 FIBRE	DC BOB 11820 + FIBRE BOB 11819	25m ICD 11755 - A DC/Fibre	LOCAL DC BOB 11816	3m 11821 DC

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	EE	Vendor Swap	General Arrangement	C
Date:	01/02/2023	Revision / Upgrade Description: Third Issue; Amending as per E// comments		
Drawn:	C.Root			
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	EE	Vendor Swap	General Arrangement	B
Date:	13/01/2023	Revision / Upgrade Description: Second Issue; Amending as per E// comments		
Drawn:	C.Root			
Checked:	C.Root			
Approved:	S.D.Gilroy			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	EE	Vendor Swap	General Arrangement	A
Date:	19/08/2022	Revision / Upgrade Description: First Issue		
Drawn:	A.Bocking			
Checked:	M.Samuel			
Approved:	C.Taggar			



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001

Design Consultant & Principal Contractor:



WHP Telecoms
Unit 1 Maple Park,
Low Fields Avenue, Leeds
LS12 6HH

Tel: 01133023550
e-mail: info@whptelecoms.com

Site Name:	NEWTON STREET		
Site ID:	1214275		
Address:	LAND AT REAR OF CROWN GARDENS & PERCY STREET OFF KINGSWAY, ROCHDALE, GREATER MANCHESTER, OL16 5LG		
Title:	330 PROPOSED H3G ANTENNA SCHEDULE 1of2		
Project:	VENDOR SWAP		
Purpose of Issue:	GENERAL ARRANGEMENT		
EE Cell ID:	MBNL Cell ID:	3UK Cell ID:	
15356	ROD083	OL0289	
Master Drawing No: 1214275 _ROD083_15356_OL0289_M003			
Issue: C			

100mm

50mm

10mm

PROPOSED ANTENNA SCHEDULE (Proposed / Existing-Remain)																									
ANTENNAS							FEEDER/FIBRE							BOBS / MHAs / RRU's / JUMPERS / ROUTERS										Antenna Status / Additional comments	
Antenna ID	Antenna Manufacturer & Type	Antenna AGL (m) TOP C/L U/S	Antenna Bearing (°)	Operator	Spectrum Port number	Tech Deployed	Type & Length(m)					Main Feeder Type (COAX or Fibre)	Main Feeders QTY Existing / Proposed	Fibre Trunk Length	BOB Low Level QTY / TYPE	BBU to BOB length (m)	BOB High Level QTY / Type	BOB to RRU / AAU Length (m)	RFU / RRU / AAU (RRU Type to be called off)	RRU to Antenna Length (m)	MHA Type	Passive Router (Low Level)	Active Router (High Level)		COAX Feeder Loss (db)
							Low level Jumper	Main Feeder	High Level Jumper 1 (MHA)	High Level Jumper 2 (router/combiner)	Total														
A2	Commscope RRZZHHTT-65B-R6H4	18.15 17.10 16.05	0°	EE	1 - 2	700/800	-	-	-	-	-	Single Mode Fibre	1No. Proposed	30m	Mk2 BOB	5m	Mk2 BOB	2m	2460 ERS	3m LCF 12-50	-	-	-	-0.19	
					3 - 4		-	-	-	-	-									-	-	-	-		
				EE	5 -6	1800/2100	-	-	-	-	-								4480 ERS	3m LCF 12-50	-	-	-	-0.3/-0.33	
					7 - 8		-	-	-	-	-									-	-	-			
				EE	9 -10	2600	-	-	-	-	-								4419 ERS	3m LCF 12-50	-	-	-	-0.37	
					15 -16		-	-	-	-	-									-	-	-			
				-	11 - 12	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	13 - 14	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2	Commscope RRZZHHTT-65B-R6H4	18.15 17.10 16.05	120°	EE	1 - 2	700/800	-	-	-	-	-	Single Mode Fibre	1No. Proposed	30m	Mk2 BOB	5m	Mk2 BOB	2m	2460 ERS	3m LCF 12-50	-	-	-	-0.19	
					3 - 4		-	-	-	-	-									-	-	-	-		
				EE	5 -6	1800/2100	-	-	-	-	-								4480 ERS	3m LCF 12-50	-	-	-	-0.3/-0.33	
					7 - 8		-	-	-	-	-									-	-	-			
				EE	9 -10	2600	-	-	-	-	-								4419 ERS	3m LCF 12-50	-	-	-	-0.37	
					15 -16		-	-	-	-	-									-	-	-			
				-	11 - 12	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	13 - 14	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2	Commscope RRZZHHTT-65B-R6H4	18.15 17.10 16.05	240°	EE	1 - 2	700/800	-	-	-	-	-	Single Mode Fibre	1No. Proposed	30m	Mk2 BOB	5m	Mk2 BOB	2m	2460 ERS	3m LCF 12-50	-	-	-	-0.19	
					3 - 4		-	-	-	-	-									-	-	-	-		
				EE	5 -6	1800/2100	-	-	-	-	-								4480 ERS	3m LCF 12-50	-	-	-	-0.3/-0.33	
					7 - 8		-	-	-	-	-									-	-	-			
				EE	9 -10	2600	-	-	-	-	-								4419 ERS	3m LCF 12-50	-	-	-	-0.37	
					15 -16		-	-	-	-	-									-	-	-			
				-	11 - 12	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	13 - 14	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Master: M003

MBNL / EE / H3G: EE

Project: Vendor Swap

Purpose of Issue: General Arrangement

Issue: C

Date: 01/02/2023

Drawn: C.Root

Checked: C.Root

Approved: S.D.Gilroy

Revision / Upgrade Description:
Third Issue; Amending as per E// comments

Master: M002

MBNL / EE / H3G: EE

Project: Vendor Swap

Purpose of Issue: General Arrangement

Issue: B

Date: 13/01/2023

Drawn: C.Root

Checked: C.Root

Approved: S.D.Gilroy

Revision / Upgrade Description:
Second Issue; Amending as per E// comments

Master: M001

MBNL / EE / H3G: EE

Project: Vendor Swap

Purpose of Issue: General Arrangement

Issue: A

Date: 19/08/2022

Drawn: A.Bocking

Checked: M.Samuel

Approved: C.Taggar

Revision / Upgrade Description:
First Issue



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001



Design Consultant & Principal Contractor:

WHP Telecoms
Unit 1 Maple Park,
Low Fields Avenue, Leeds
LS12 6HH

Tel: 01133023550
e-mail: info@whptelecoms.com

Site Name:

NEWTON STREET

Site ID:

1214275

Address:

LAND AT REAR OF CROWN GARDENS
& PERCY STREET OFF KINGSWAY,
ROCHDALE,
GREATER MANCHESTER,
OL16 5LG

Title:

331 PROPOSED EE ANTENNA
SCHEDULE 2of2

Project:

VENDOR SWAP

Purpose of Issue:

GENERAL ARRANGEMENT

EE Cell ID:

15356

MBNL Cell ID:

ROD083

3UK Cell ID:

OL0289

Master Drawing No:

1214275 _ROD083_15356_OL0289_M003

Issue:

C

100mm

50mm

10mm

5mm

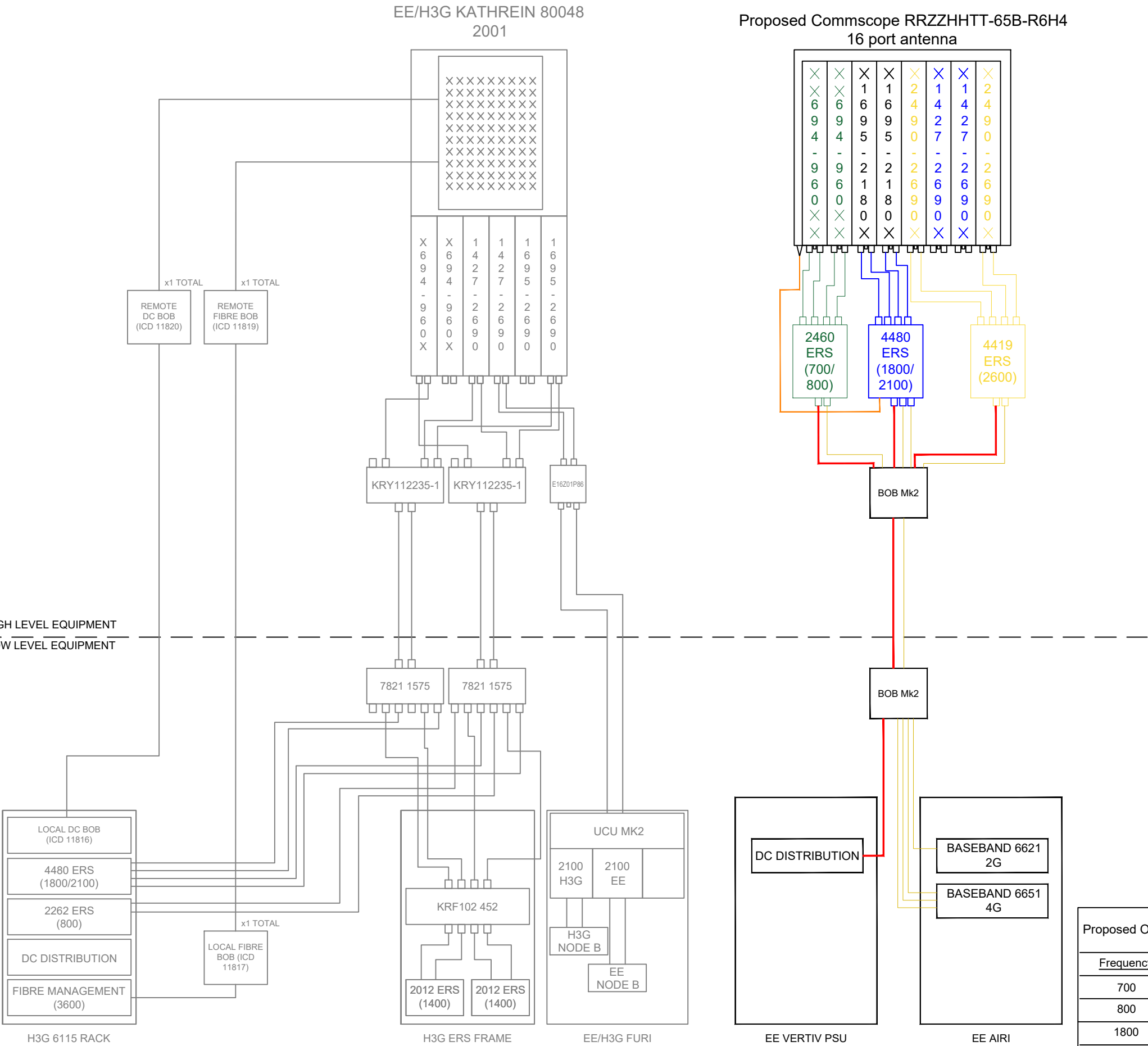
2mm

1mm

100mm

50mm

10mm



PROPOSED ANTENNA LINE CONFIGURATION

Proposed Operators Carrier Count	
Frequency	Count:
700	1
800	1
1800	2
2100	1
2600	3
3500	0

Key

Description	Line Style
Proposed 700/800	—
Proposed 3G 1800/2100	—
Proposed LTE 1800/2100	—
Proposed 2600	—
Proposed 3400-3600	—
Existing Feeders, Jumpers, Equipment	—
Proposed Feeders & Equipment	—
Proposed Power Cables	—
Proposed Single Mode Fibre	—
Proposed Multimode Fibre / Hybrid Trunking	—
RET Cables	—

Master: M003

MBNL / EE / H3G: EE

Project: Vendor Swap

Purpose of Issue: General Arrangement

Issue: C

Date: 01/02/2023

Drawn: C.Root

Checked: C.Root

Approved: S.D.Gilroy

Revision / Upgrade Description: Third Issue; Amending as per E// comments

Master: M002

MBNL / EE / H3G: EE

Project: Vendor Swap

Purpose of Issue: General Arrangement

Issue: B

Date: 13/01/2023

Drawn: C.Root

Checked: C.Root

Approved: S.D.Gilroy

Revision / Upgrade Description: Second Issue; Amending as per E// comments

Master: M001

MBNL / EE / H3G: EE

Project: Vendor Swap

Purpose of Issue: General Arrangement

Issue: A

Date: 19/08/2022

Drawn: A.Bocking

Checked: M.Samuel

Approved: C.Taggar

Revision / Upgrade Description: First Issue

Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001

Design Consultant & Principal Contractor:

WHP Telecoms
Unit 1 Maple Park,
Low Fields Avenue, Leeds
LS12 6HH

Tel: 01133023550
e-mail: info@whptelecoms.com

Site Name: NEWTON STREET

Site ID: 1214275

Address: LAND AT REAR OF CROWN GARDENS
& PERCY STREET OFF KINGSWAY,
ROCHDALE,
GREATER MANCHESTER,
OL16 5LG

Title: 335 PROPOSED ANTENNA LINE
CONFIGURATION

Project: VENDOR SWAP

Purpose of Issue: GENERAL ARRANGEMENT

EE Cell ID: 15356

MBNL Cell ID: ROD083

3UK Cell ID: OL0289

Master Drawing No: 1214275 _ROD083_15356_OL0289_M003

Issue: C

100mm

150mm

10mm

Support Structure Schedule										STATUS KEY: Installed: Existing Retain: Existing and to remain Relocate: Existing and to be relocated Remove: Existing to be removed from site Proposed: New on site LOCATION KEY: Outdoor: Located outside Indoor: Located within an equipment cabin or equipment room Internal: located inside a cabinet or item of equipment
----------------------------	--	--	--	--	--	--	--	--	--	---

100mm

150mm

10mm

GPS NODE Schedule								
Equipment ID	Supply Status	Operator	Height (C/L) AGL	Cable Length	Cable type	Location	Comments	
GPS1	Relocate	H3G	18.30m	-	-	Support pole	Existing H3G GPS node mounted on existing antenna support pole	
GPS2	Proposed	EE	18.35m	30m	1/4" RF CABLE	Support pole	Proposed EE GPS node mounted to Proposed antenna support pole with universal GPS mount CL6064-UGPS on bracket kit	
AC Power Schedule								
Equipment ID	Supply Status	Operator	Type	Incoming Supply Type	Meter / Service head / location	Distribution Board Manufacturer (cabins / internal rooms)	Upgrade Required (Y / N / TBC at DD)	Comments
MCAB1	Existing	EE/H3G	REC	Single Phase	Meter Cabinet	-	N	c/w DNO isolator & generator changeover switch
ACDB	Existing	EE/H3G	AC DB	-	Cabin	Merlin Gerin	N	-
DC Power Schedule								
Supply Status		Operator	Enclosure / Location	Model	Rectifier		Upgrade Required (Y/ N / TBC at DD)	Comments
					QTY	Size (kW)		
Existing		EE/H3G	Emerson PSU	Emerson	12	1.2	N	-
Existing		H3G	IFS5906 ('L' Rack)	EPU05A-11	6	4	N	-
Proposed		EE	Vertiv	PSU	6	2	N	-
Transmission Supply Schedule								
Equipment ID	Supply Status	Operator	Enclosure	Type:	Supplier Name	U-Space Available	Comments	
TX1	Existing	EE/H3G	TX Rack	Microwave & Fibre	-	6U+	-	
Transmission Dish Schedule								
Equipment ID	Supply Status	Size Ø (mm)	Colour (RAL Colour)	Height (C/L) AGL	Bearing (°) EGN	Link Ref:	Relocation height (if required)	Comments (capture lift and shift requirements)
TD1	Existing	Ø600	RAL 9010	14.5m	89.98°	ML103934	14.5m	Dish to be relocated onto new headframe.
TD2	Existing	Ø300	RAL 9010	14.5m	34°	ML102244	14.5m	Dish to be relocated onto new headframe.

STATUS KEY:

Installed:

Existing

Retain:

Existing and to remain

Relocate:

Existing and to be relocated

Remove:

Existing to be removed from site

Proposed:

New on site

LOCATION KEY:

Outdoor:

Located outside

Indoor:

Located within an equipment cabin or equipment room

Internal:

located inside a cabinet or item of equipment

Master: M003

MBNL / EE / H3G: EE

Project: Vendor Swap

Purpose of Issue: General Arrangement

Issue: C

Date: 01/02/2023

Drawn: C.Root

Checked: C.Root

Approved: S.D.Gilroy

Revision / Upgrade Description: Third Issue; Amending as per E// comments

Master: M002

MBNL / EE / H3G: EE

Project: Vendor Swap

Purpose of Issue: General Arrangement

Issue: B

Date: 13/01/2023

Drawn: C.Root

Checked: C.Root

Approved: S.D.Gilroy

Revision / Upgrade Description: Second Issue; Amending as per E// comments

Master: M001

MBNL / EE / H3G: EE

Project: Vendor Swap

Purpose of Issue: General Arrangement

Issue: A

Date: 19/08/2022

Drawn: A.Bocking

Checked: M.Samuel

Approved: C.Taggar

Revision / Upgrade Description: First Issue

EE

Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001

Design Consultant & Principal Contractor:

WHP

WHP Telecoms

Unit 1 Maple Park,
Low Fields Avenue, Leeds
LS12 6HH

Tel: 01133023550
e-mail: info@whptelecoms.com

Site Name:

NEWTON STREET

Site ID:

1214275

Address:

LAND AT REAR OF CROWN GARDENS
& PERCY STREET OFF KINGSWAY,
ROCHDALE,
GREATER MANCHESTER,
OL16 5LG

Title:

401 POWER & TRANSMISSION SCHEDULE

Project:

VENDOR SWAP

Purpose of Issue:

GENERAL ARRANGEMENT

EE Cell ID: 15356

MBNL Cell ID: ROD083

3UK Cell ID: OL0289

Master Drawing No: 1214275 _ROD083_15356_OL0289_M003

Issue: C

v3.0