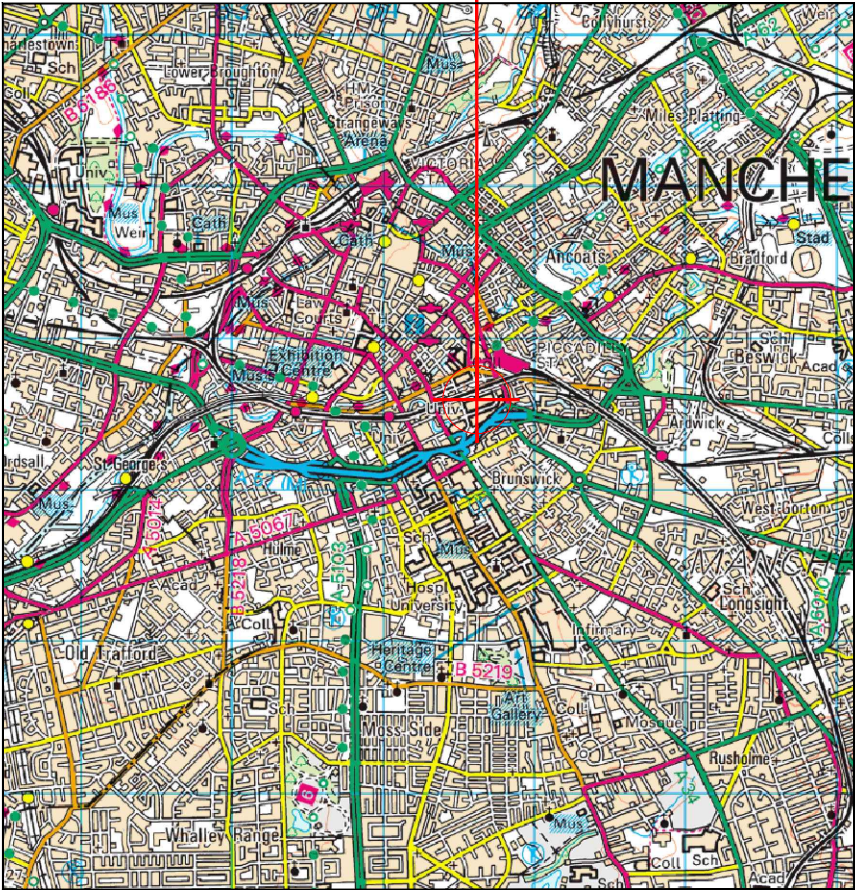
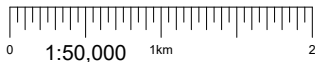


SITE LOCATION



Reproduced by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. All rights reserved. © Crown Copyright licence no. 0100031673

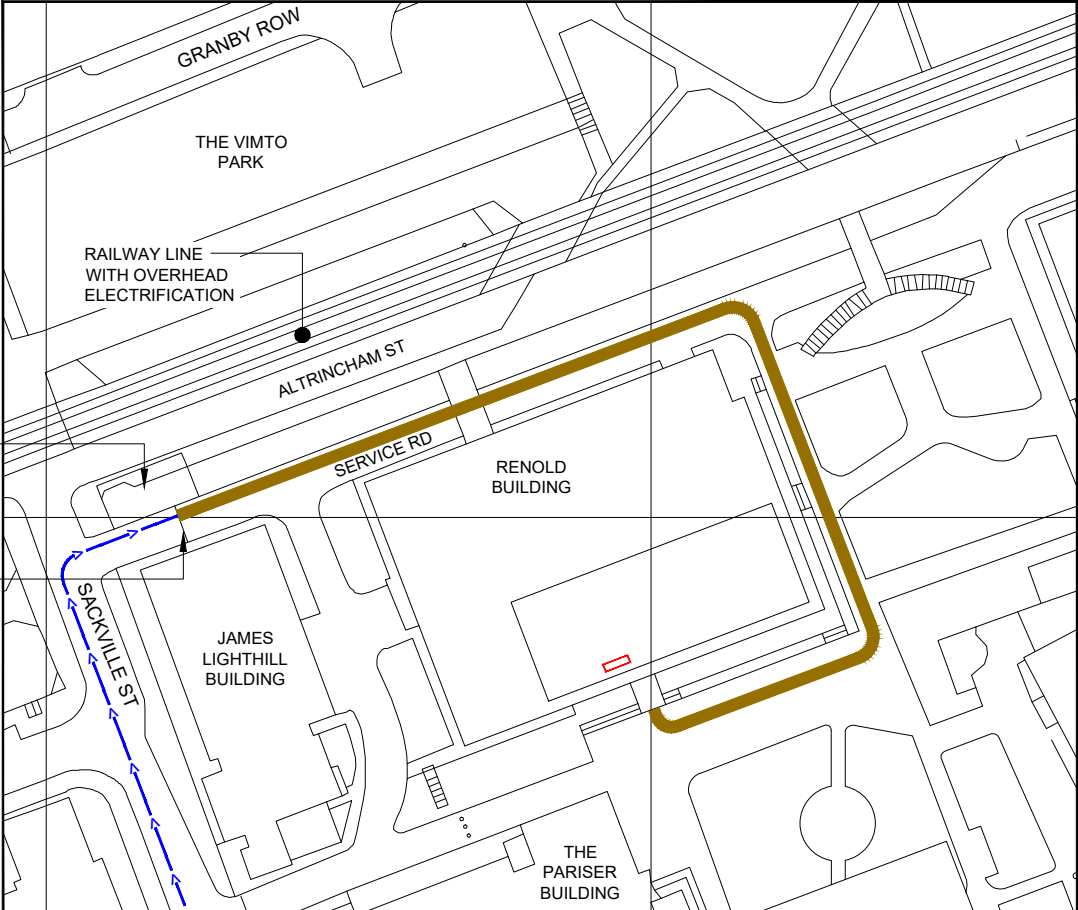
SITE AREA PLAN



SITE PHOTOGRAPH



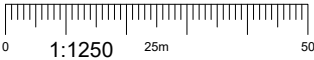
SITE LOCATION



Reproduced by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. All rights reserved. © Crown Copyright licence no. 0100031673

NGR E: 384594 N: 397575

SITE LOCATION PLAN



GOOGLE MAPS QR CODE

GOOGLE MAP - Hyperlink to map of the site

GOOGLE STREETVIEW - Hyperlink to streetview of the site

NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

From the A57(M) heading East exit at the junction with the A34 and turn right onto Sackville Street. The service road leading to Renold Building is on the right hand side after 215m.

Site Demise:



Access Route To Site:



Access Route:



Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M005	MBNL	NTQ	Planning	E
Date:	28.08.2024	Revision / Upgrade Description:		
Drawn:	G.Jennings	TX notation added		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M004	MBNL	NTQ	Planning	D
Date:	12.08.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Drawings updated following Design Review.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	MBNL	NTQ	Planning	C
Date:	29.07.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas heights revised. New ProX5 assessment.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	MBNL	NTQ	Planning	B
Date:	22.05.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas relocated onto proposed Valmont tripods on main roof. Cable management revised. ICNIRP revised in line with ProX5 assessment - bearings revised.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	NTQ	Planning	A
Date:	16/01/24	Revision / Upgrade Description:		
Drawn:	J. BOOTE	First Issue		
Checked:	J. STOCKDALE			
Approved:	G. JENNINGS			



Hutchison 3G UK Limited
Green Park, 450 Longwater Avenue
Reading, RG2 6GF
Tel: 01628 765 000
Fax: 01628 765 001



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW
Tel: 01707 315000
Fax: 01707 319001



Mobile Broadband Network Limited
Sixth Floor, Thames Tower, Station Road, Reading, RG1 1LX

Design Consultant & Principal Contractor:



WHP Telecoms
Castlevue House,
Calder Island Way, Wakefield
WF2 7AW

Tel: 01925 424 100
e-mail: info@whptelecoms.com

Site Name:

RENOLD ROOFTOP 203988

Site ID:

1105663

Address:

UNIVERSITY OF MANCHESTER,
RENOLD BUILDING,
ALTRINCHAM STREET,
MANCHESTER
M1 7JR

Title:

002 SITE LOCATION PLAN

Project:

NTQ

Purpose of Issue:

GENERAL ARRANGEMENT

EE Cell ID:

24194

MBNL Cell ID:

MAN178

3UK Cell ID:

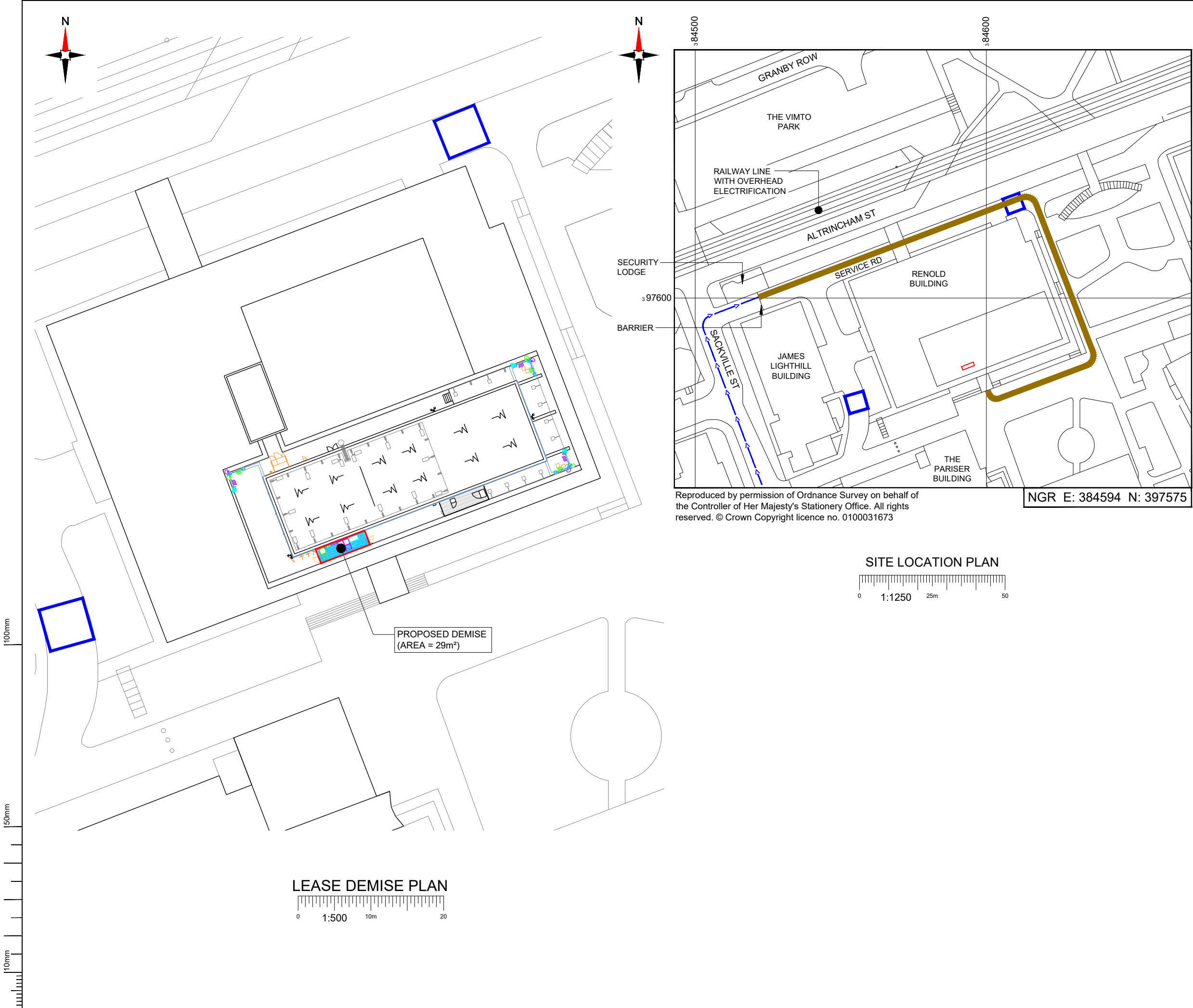
M0155

Master Drawing No:

1105663_MAN178_24194_M0155_M005

Issue:

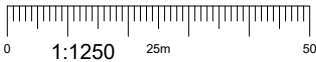
E



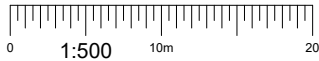
Reproduced by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. All rights reserved. © Crown Copyright licence no. 0100031673

NGR E: 384594 N: 397575

SITE LOCATION PLAN



LEASE DEMISE PLAN



NEW CODE:		
Demise:	Outlined in Red	
Access Route:	Solid Brown	
Set Down Area:	Outlined in Blue	

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M004	MBNL	NTQ	Planning	D
Date:	12.08.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Drawings updated following Design Review.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	MBNL	NTQ	Planning	C
Date:	29.07.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas heights revised. New ProX5 assessment.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	MBNL	NTQ	Planning	B
Date:	22.05.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas relocated onto proposed Valmont tripods on main roof.		
Checked:	G.Jennings	Cable management revised. ICNIRP revised in line with ProX5 assessment - bearings revised.		
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	NTQ	Planning	A
Date:	16/01/24	Revision / Upgrade Description:		
Drawn:	J. BOOTE	First Issue		
Checked:	J. STOCKDALE			
Approved:	G. JENNINGS			



Hutchison 3G UK Limited
Green Park, 450 Longwater Avenue
Reading, RG2 6GF
Tel: 01628 765 000
Fax: 01628 765 001



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW
Tel: 01707 315000
Fax: 01707 319001



Mobile Broadband Network Limited
Sixth Floor, Thames Tower, Station Road, Reading, RG1 1LX

Design Consultant & Principal Contractor:



WHP Telecoms
Castlevue House,
Calder Island Way, Wakefield
WF2 7AW

Tel: 01925 424 100
e-mail: info@whptelecoms.com

Site Name:
RENOLD ROOFTOP 203988

Site ID:
1105663

Address:
**UNIVERSITY OF MANCHESTER,
RENOLD BUILDING,
ALTRINCHAM STREET,
MANCHESTER
M1 7JR**

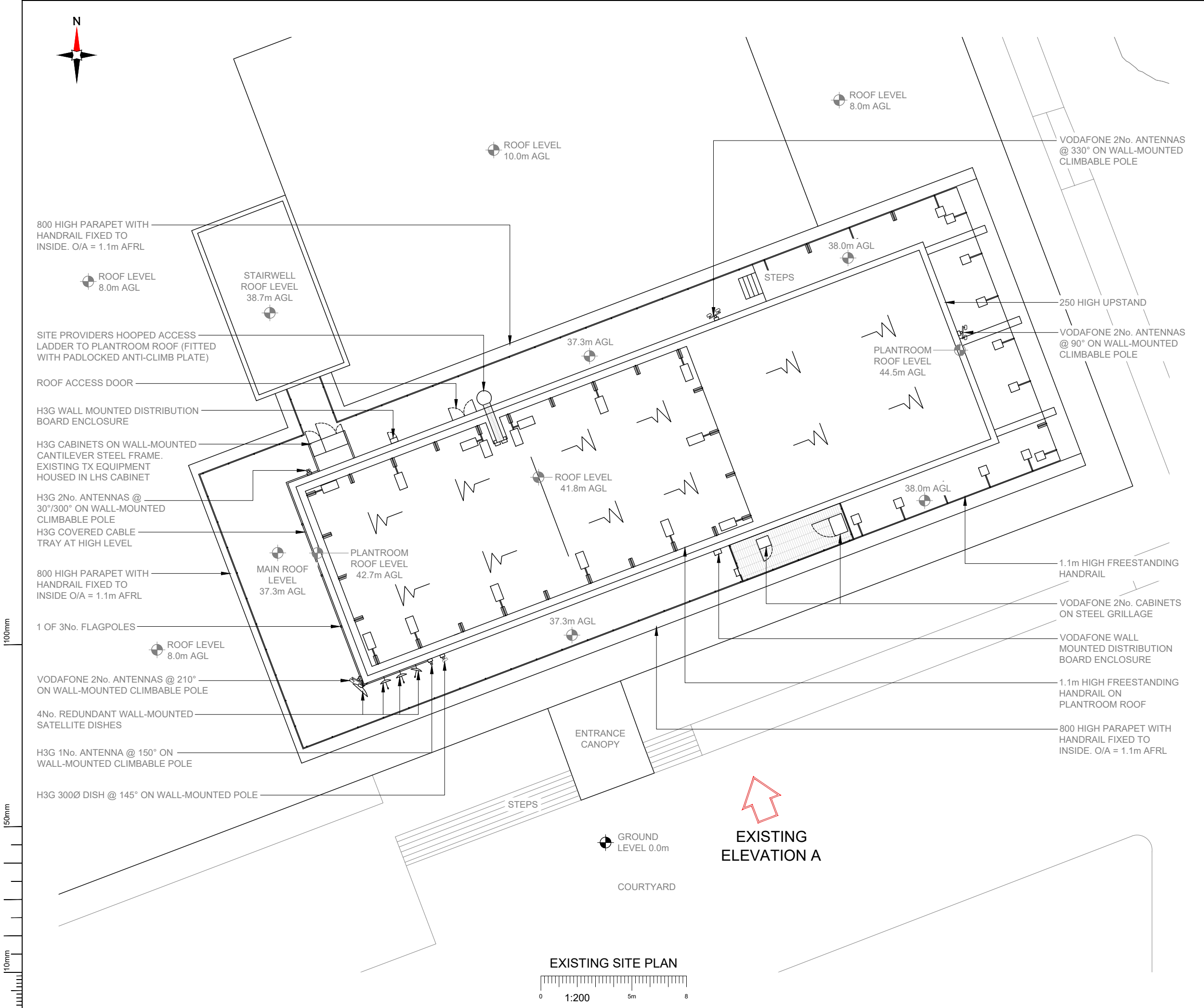
Title:
004 LEASE DEMISE

Project:
NTQ

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID: 24194	MBNL Cell ID: MAN178	3UK Cell ID: M0155
-----------------------------	--------------------------------	------------------------------

Master Drawing No: 1105663_MAN178_24194_M0155_M005	Issue: E
--	--------------------



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

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M005	MBNL	NTQ	Planning	E
Date:	28.08.2024	Revision / Upgrade Description:		
Drawn:	G.Jennings	TX notation added		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M004	MBNL	NTQ	Planning	D
Date:	12.08.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Drawings updated following Design Review.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	MBNL	NTQ	Planning	C
Date:	29.07.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas heights revised. New ProX5 assessment.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	MBNL	NTQ	Planning	B
Date:	22.05.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas relocated onto proposed Valmont tripods on main roof.		
Checked:	G.Jennings	Cable management revised. ICNIRP revised in line with ProX5 assessment - bearings revised.		
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	NTQ	Planning	A
Date:	16/01/24	Revision / Upgrade Description:		
Drawn:	J. BOOTE	First Issue		
Checked:	J. STOCKDALE			
Approved:	G. JENNINGS			



Hutchison 3G UK Limited
Green Park, 450 Longwater Avenue
Reading, RG2 6GF
Tel: 01628 769 000
Fax: 01628 765 001

H3G Base Station Information line:
0845 6043000
Available 8am-6pm Monday to Friday



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001



Mobile Broadband Network Limited
Sixth Floor, Thames Tower, Station Road, Reading, RG1 1LX

Design Consultant & Principal Contractor:



WHP Telecoms
Castlevue House,
Calder Island Way, Wakefield
WF2 7AW

Tel: 01925 424 100
e-mail: info@whptelecoms.com

Site Name:
RENOLD ROOFTOP 203988

Site ID:
1105663

Address:
UNIVERSITY OF MANCHESTER,
RENOLD BUILDING,
ALTRINCHAM STREET,
MANCHESTER
M1 7JR

Title:
100 EXISTING SITE PLAN

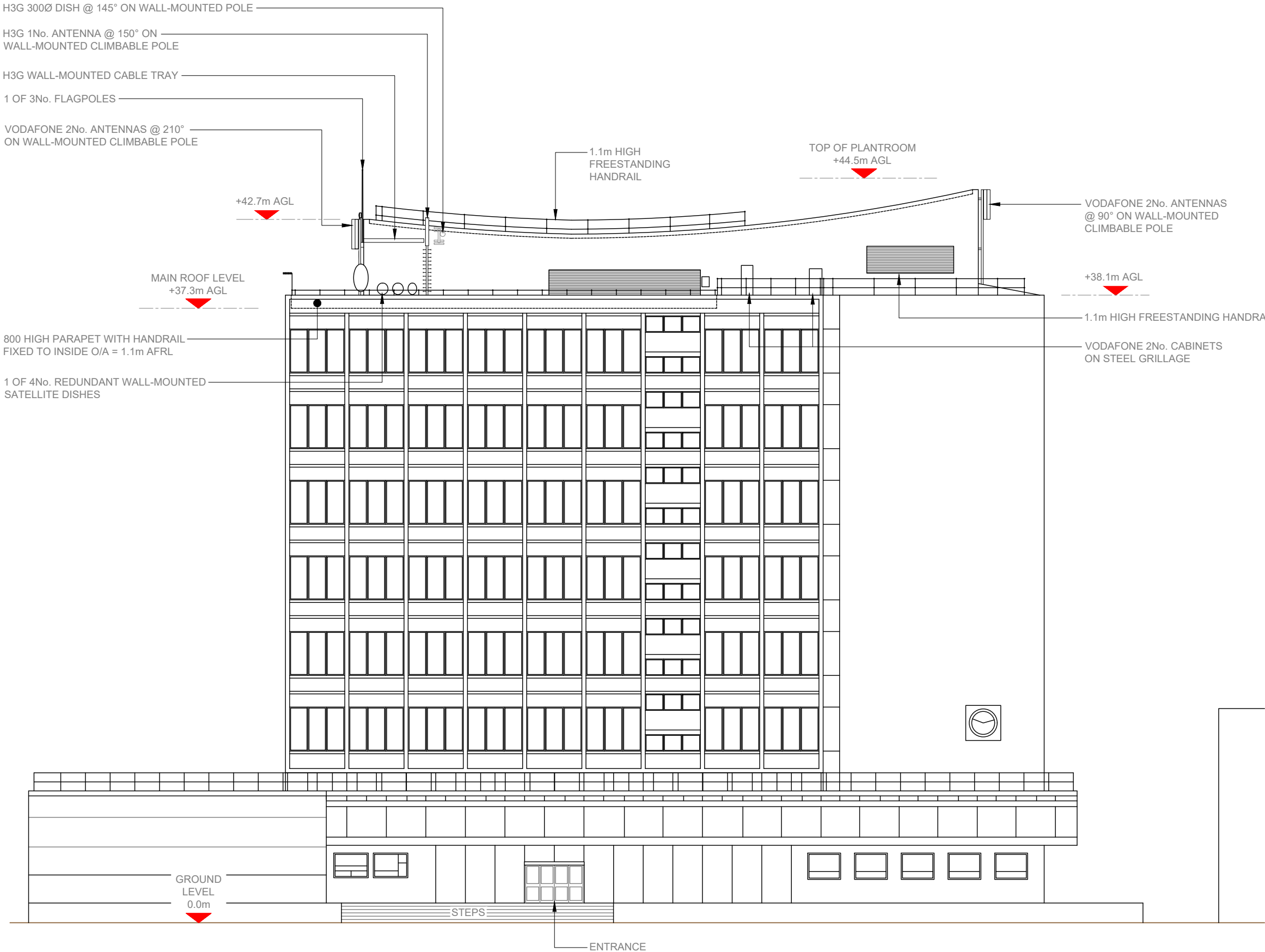
Project:
NTQ

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID: 24194	MBNL Cell ID: MAN178	3UK Cell ID: M0155
----------------------	-------------------------	-----------------------

Master Drawing No: 1105663_MAN178_24194_M0155_M005	Issue: E
---	-------------

100mm
150mm
10mm



EXISTING ELEVATION A

0 1:250 5m 10

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

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M005	MBNL	NTQ	Planning	E
Date:	28.08.2024	Revision / Upgrade Description:		
Drawn:	G.Jennings	TX notation added		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M004	MBNL	NTQ	Planning	D
Date:	12.08.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Drawings updated following Design Review.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	MBNL	NTQ	Planning	C
Date:	29.07.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas heights revised. New ProX5 assessment.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	MBNL	NTQ	Planning	B
Date:	22.05.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas relocated onto proposed Valmont tripods on main roof.		
Checked:	G.Jennings	Cable management revised. ICNIRP revised in line with ProX5 assessment - bearings revised.		
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	NTQ	Planning	A
Date:	16/01/24	Revision / Upgrade Description:		
Drawn:	J. BOOTE	First Issue		
Checked:	J. STOCKDALE			
Approved:	G. JENNINGS			



Hutchison 3G UK Limited
Green Park, 450 Longwater Avenue
Reading, RG2 6GF
Tel: 01628 769 600
Fax: 01628 765 001

H3G Base Station Information line:
0845 6043000
Available 8am-8pm Monday to Friday



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001

MBNL Mobile Broadband Network Limited
Sixth Floor, Thames Tower, Station Road, Reading, RG1 1LX

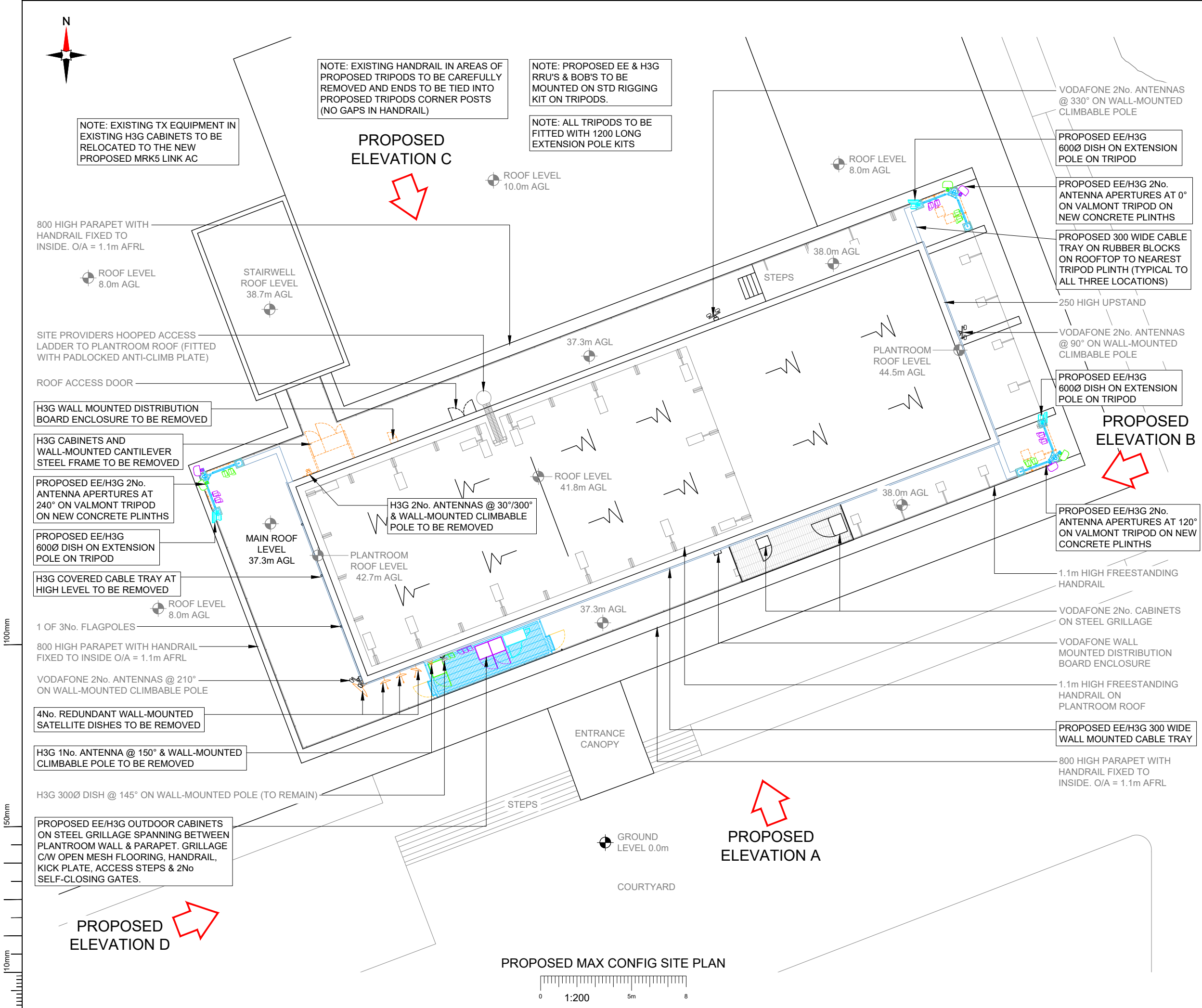
Design Consultant & Principal Contractor:



WHP Telecoms
Castlevue House,
Calder Island Way, Wakefield
WF2 7AW

Tel: 01925 424 100
e-mail: info@whptelecoms.com

Site Name:				RENOLD ROOFTOP 203988			
Site ID:				1105663			
Address:				UNIVERSITY OF MANCHESTER, RENOLD BUILDING, ALTRINCHAM STREET, MANCHESTER M1 7JR			
Title:				150 EXISTING ELEVATION A			
Project:				NTQ			
Purpose of Issue:				GENERAL ARRANGEMENT			
EE Cell ID:		MBNL Cell ID:		3UK Cell ID:			
24194		MAN178		M0155			
Master Drawing No:						Issue:	
1105663_MAN178_24194_M0155_M005						E	



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

NOTE: ANTENNA AND SUPPORTING STEELWORK/EQUIPMENT TO BE PAINTED WHITE AS PER LPA REQUEST. CABINETS TO BE RAL7035 (GREY) AS STANDARD

SHARED CONFIGURATION SITE

RF CONFIG S1A

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M005	MBNL	NTQ	Planning	E
Date:	28.08.2024	Revision / Upgrade Description:		
Drawn:	G.Jennings	TX notation added		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M004	MBNL	NTQ	Planning	D
Date:	12.08.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Drawings updated following Design Review.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	MBNL	NTQ	Planning	C
Date:	29.07.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas heights revised. New ProX5 assessment.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	MBNL	NTQ	Planning	B
Date:	22.05.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas relocated onto proposed Valmont tripods on main roof. Cable management revised. ICNIRP revised in line with ProX5 assessment - bearings revised.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	NTQ	Planning	A
Date:	16/01/24	Revision / Upgrade Description:		
Drawn:	J. BOOTE	First Issue		
Checked:	J. STOCKDALE			
Approved:	G. JENNINGS			



Hutchison 3G UK Limited
Green Park, 450 Longwater Avenue
Reading, RG2 6GF
Tel: 01628 769 000
Fax: 01628 765 001
H3G Base Station Information line:
0845 6043000
Available 8am-6pm Monday to Friday



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW
Tel: 01707 315000
Fax: 01707 319001

Mobile Broadband Network Limited
Sixth Floor, Thames Tower, Station Road, Reading, RG1 1LX

Design Consultant & Principal Contractor:



WHP Telecoms
Castleview House,
Calder Island Way, Wakefield
WF2 7AW
Tel: 01925 424 100
e-mail: info@whptelecoms.com

Site Name:
RENOLD ROOFTOP 203988

Site ID:
1105663

Address:
**UNIVERSITY OF MANCHESTER,
RENOLD BUILDING,
ALTRINCHAM STREET,
MANCHESTER
M1 7JR**

Title: **215 PROPOSED MAX CONFIGURATION
SITE PLAN**

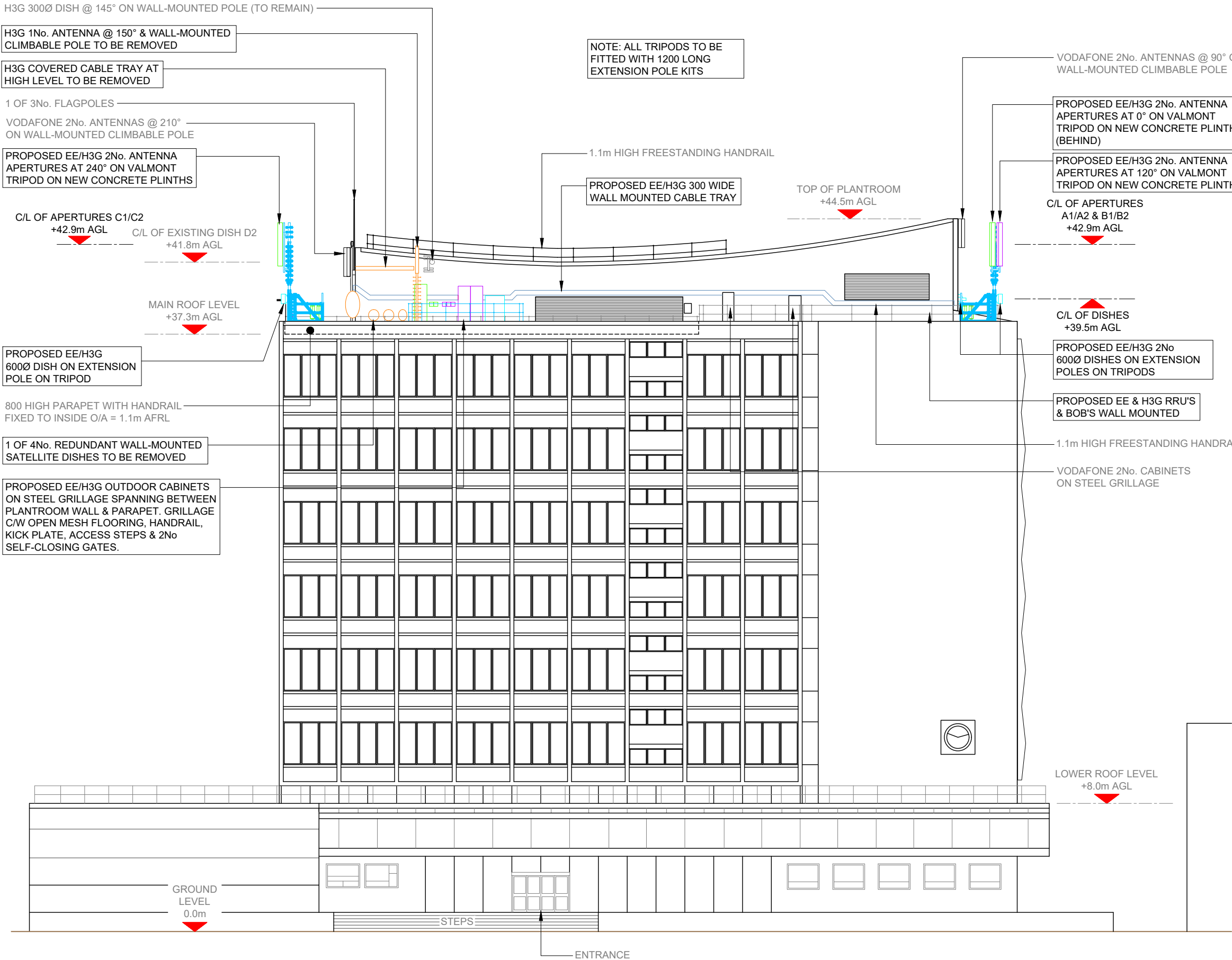
Project:
NTQ

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID: 24194	MBNL Cell ID: MAN178	3UK Cell ID: M0155
-----------------------------	--------------------------------	------------------------------

Master Drawing No: 1105663_MAN178_24194_M0155_M005	Issue: E
--	--------------------

100mm
50mm
10mm



PROPOSED ELEVATION A

0 1:250 5m 10

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

NOTE: ANTENNA AND SUPPORTING STEELWORK/EQUIPMENT TO BE PAINTED WHITE AS PER LPA REQUEST. CABINETS TO BE RAL7035 (GREY) AS STANDARD

SHARED CONFIGURATION SITE

RF CONFIG S1A

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M005	MBNL	NTQ	Planning	E
Date:	28.08.2024	Revision / Upgrade Description:		
Drawn:	G.Jennings	TX notation added		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M004	MBNL	NTQ	Planning	D
Date:	12.08.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Drawings updated following Design Review.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	MBNL	NTQ	Planning	C
Date:	29.07.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas heights revised. New ProX5 assessment.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	MBNL	NTQ	Planning	B
Date:	22.05.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas relocated onto proposed Valmont tripods on main roof.		
Checked:	G.Jennings	Cable management revised. ICNIRP revised in line with ProX5 assessment - bearings revised.		
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	NTQ	Planning	A
Date:	16/01/24	Revision / Upgrade Description:		
Drawn:	J. BOOTE	First Issue		
Checked:	J. STOCKDALE			
Approved:	G. JENNINGS			



Hutchison 3G UK Limited
Green Park, 450 Longwater Avenue
Reading, RG2 6GF
Tel: 01628 765 000
Fax: 01628 765 001

H3G Base Station Information line:
0845 6043000
Available 8am-8pm Monday to Friday



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW
Tel: 01707 315000
Fax: 01707 319001



Mobile Broadband Network Limited
Sixth Floor, Thames Tower, Station Road, Reading, RG1 1LX

Design Consultant & Principal Contractor:



WHP Telecoms
Castlevue House,
Calder Island Way, Wakefield
WF2 7AW

Tel: 01925 424 100
e-mail: info@whptelecoms.com

Site Name:
RENOLD ROOFTOP 203988

Site ID:
1105663

Address:
UNIVERSITY OF MANCHESTER,
RENOLD BUILDING,
ALTRINCHAM STREET,
MANCHESTER
M1 7JR

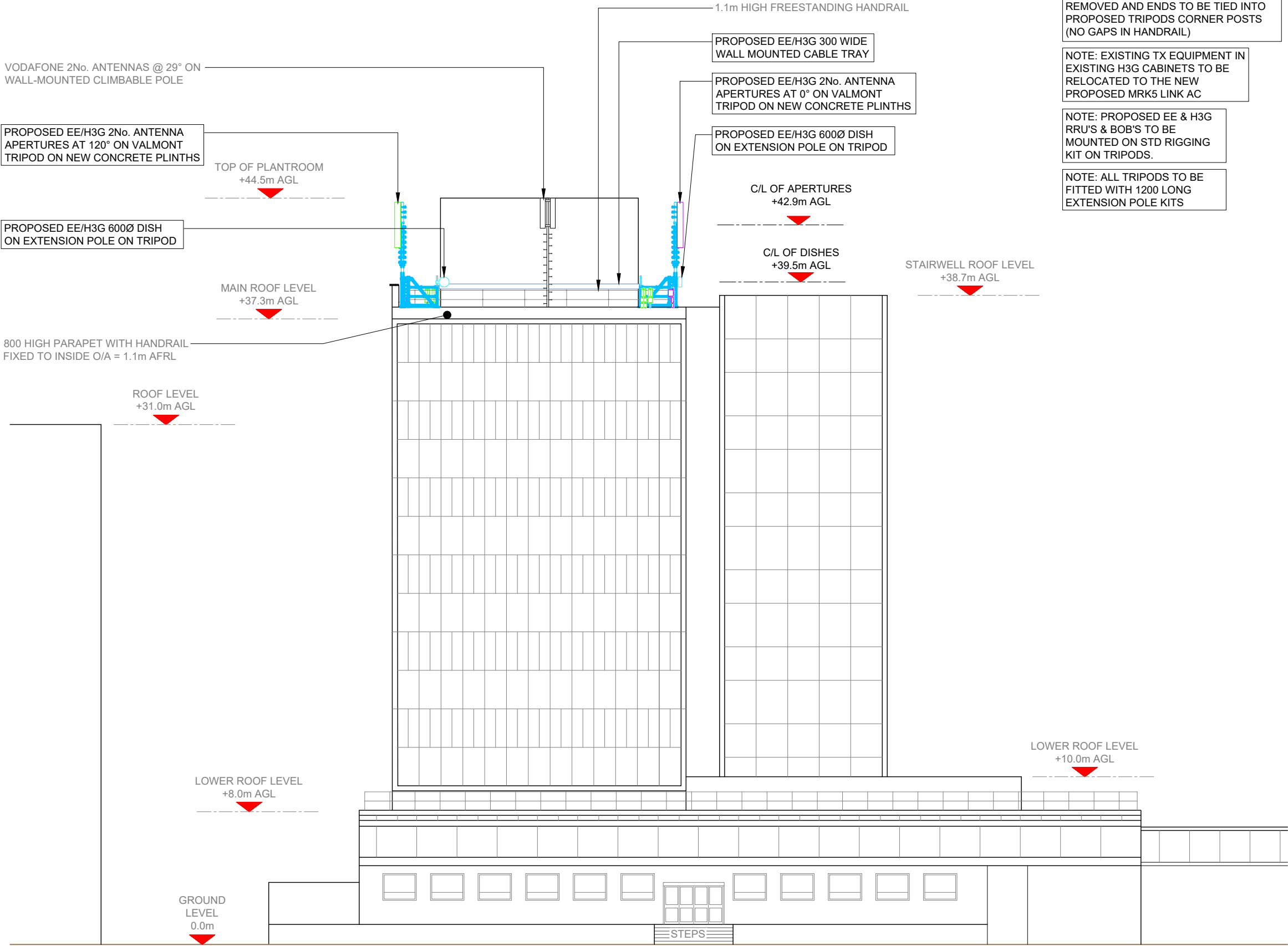
Title:
265 PROPOSED ELEVATION A

Project:
NTQ

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID: 24194	MBNL Cell ID: MAN178	3UK Cell ID: M0155
----------------------	-------------------------	-----------------------

Master Drawing No: 1105663_MAN178_24194_M0155_M005	Issue: E
---	-------------



NOTE: EXISTING HANDRAIL IN AREAS OF PROPOSED TRIPODS TO BE CAREFULLY REMOVED AND ENDS TO BE TIED INTO PROPOSED TRIPODS CORNER POSTS (NO GAPS IN HANDRAIL)

NOTE: EXISTING TX EQUIPMENT IN EXISTING H3G CABINETS TO BE RELOCATED TO THE NEW PROPOSED MRK5 LINK AC

NOTE: PROPOSED EE & H3G RRU'S & BOB'S TO BE MOUNTED ON STD RIGGING KIT ON TRIPODS.

NOTE: ALL TRIPODS TO BE FITTED WITH 1200 LONG EXTENSION POLE KITS

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

NOTE: ANTENNA AND SUPPORTING STEELWORK/EQUIPMENT TO BE PAINTED WHITE AS PER LPA REQUEST. CABINETS TO BE RAL7035 (GREY) AS STANDARD

SHARED CONFIGURATION SITE	
RF CONFIG	S1A

Master: M005	MBNL / EE / H3G: MBNL	Project: NTQ	Purpose of Issue: Planning	Issue: E
Date: 28.08.2024	Revision / Upgrade Description: TX notation added			
Drawn: G.Jennings	Checked: G.Jennings			
Approved: G.Jennings				
Master: M004	MBNL / EE / H3G: MBNL	Project: NTQ	Purpose of Issue: Planning	Issue: D
Date: 12.08.2024	Revision / Upgrade Description: Drawings updated following Design Review.			
Drawn: J.Rossi	Checked: G.Jennings			
Approved: G.Jennings				
Master: M003	MBNL / EE / H3G: MBNL	Project: NTQ	Purpose of Issue: Planning	Issue: C
Date: 29.07.2024	Revision / Upgrade Description: Antennas heights revised. New ProX5 assessment.			
Drawn: J.Rossi	Checked: G.Jennings			
Approved: G.Jennings				
Master: M002	MBNL / EE / H3G: MBNL	Project: NTQ	Purpose of Issue: Planning	Issue: B
Date: 22.05.2024	Revision / Upgrade Description: Antennas relocated onto proposed Valmont tripods on main roof. Cable management revised. ICNIRP revised in line with ProX5 assessment - bearings revised.			
Drawn: J.Rossi	Checked: G.Jennings			
Approved: G.Jennings				
Master: M001	MBNL / EE / H3G: MBNL	Project: NTQ	Purpose of Issue: Planning	Issue: A
Date: 16/01/24	Revision / Upgrade Description: First Issue			
Drawn: J. BOOTE	Checked: J. STOCKDALE			
Approved: G. JENNINGS				



Hutchison 3G UK Limited
Green Park, 450 Longwater Avenue
Reading, RG2 6GF
Tel: 01628 765 000
Fax: 01628 765 001



H3G Base Station Information line:
0845 6043000
Available 8am-6pm Monday to Friday



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001



Mobile Broadband Network Limited
Sixth Floor, Thames Tower, Station Road, Reading, RG1 1LX

Design Consultant & Principal Contractor:



WHP Telecoms
Castlevue House,
Calder Island Way, Wakefield
WF2 7AW

Tel: 01925 424 100
e-mail: info@whptelecoms.com

Site Name:	RENOLD ROOFTOP 203988		
Site ID:	1105663		
Address:	UNIVERSITY OF MANCHESTER, RENOLD BUILDING, ALTRINCHAM STREET, MANCHESTER M1 7JR		
Title:	266 PROPOSED ELEVATION B		
Project:	NTQ		
Purpose of Issue:	GENERAL ARRANGEMENT		
EE Cell ID:	24194	MBNL Cell ID:	MAN178
3UK Cell ID:	M0155		
Master Drawing No:			Issue:
1105663_MAN178_24194_M0155_M005			E

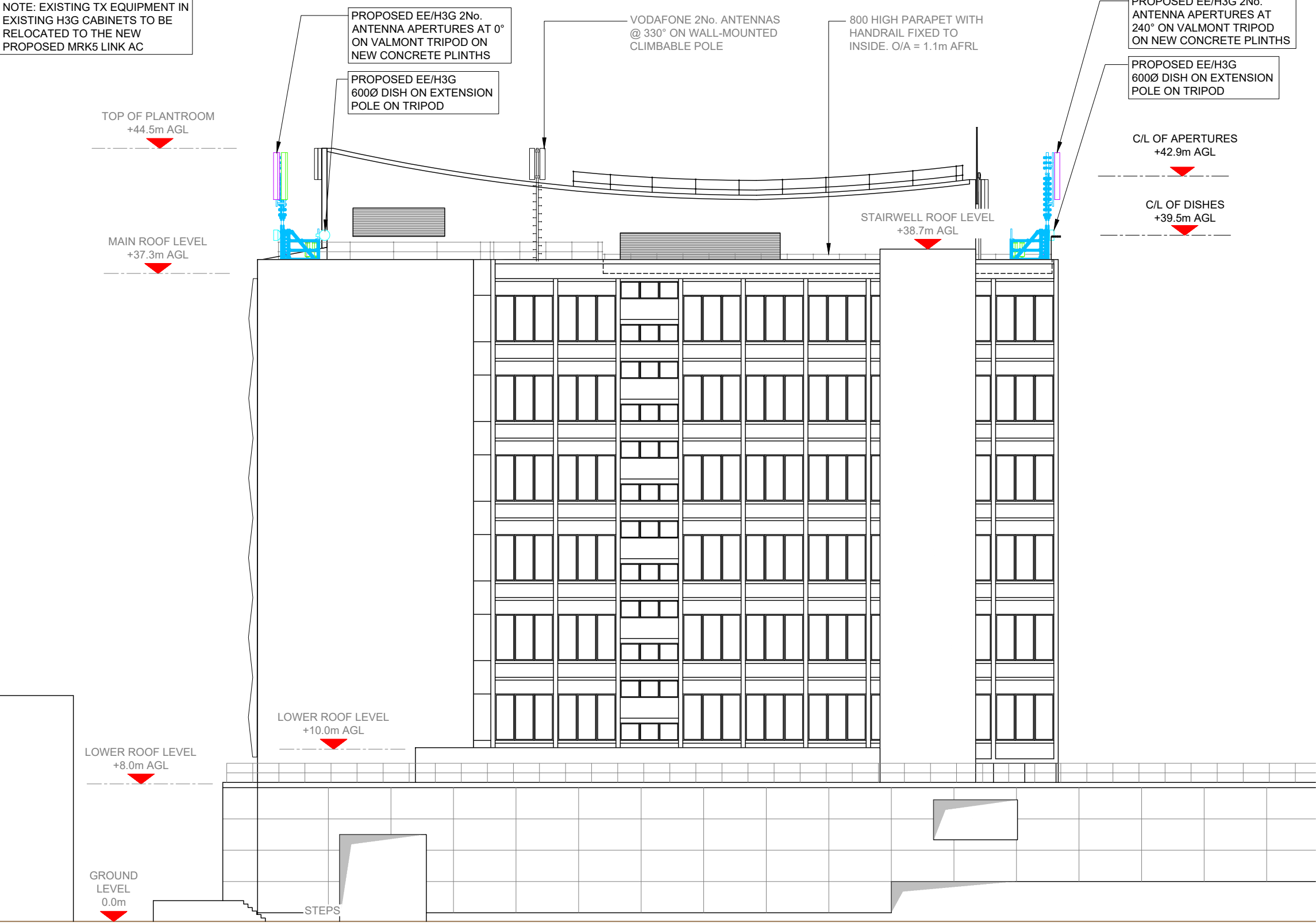
100mm
50mm
10mm

NOTE: EXISTING HANDRAIL IN AREAS OF PROPOSED TRIPODS TO BE CAREFULLY REMOVED AND ENDS TO BE TIED INTO PROPOSED TRIPODS CORNER POSTS (NO GAPS IN HANDRAIL)

NOTE: EXISTING TX EQUIPMENT IN EXISTING H3G CABINETS TO BE RELOCATED TO THE NEW PROPOSED MRK5 LINK AC

NOTE: PROPOSED EE & H3G RRU'S & BOB'S TO BE MOUNTED ON STD RIGGING KIT ON TRIPODS.

NOTE: ALL TRIPODS TO BE FITTED WITH 1200 LONG EXTENSION POLE KITS



PROPOSED ELEVATION C

0 1:250 5m 10

NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

NOTE: ANTENNA AND SUPPORTING STEELWORK/EQUIPMENT TO BE PAINTED WHITE AS PER LPA REQUEST. CABINETS TO BE RAL7035 (GREY) AS STANDARD

SHARED CONFIGURATION SITE	
RF CONFIG	S1A

Master: M005	MBNL / EE / H3G: MBNL	Project: NTQ	Purpose of Issue: Planning	Issue: E
Date: 28.08.2024	Revision / Upgrade Description: TX notation added			
Drawn: G.Jennings				
Checked: G.Jennings				
Approved: G.Jennings				
Master: M004	MBNL / EE / H3G: MBNL	Project: NTQ	Purpose of Issue: Planning	Issue: D
Date: 12.08.2024	Revision / Upgrade Description: Drawings updated following Design Review.			
Drawn: J.Rossi				
Checked: G.Jennings				
Approved: G.Jennings				
Master: M003	MBNL / EE / H3G: MBNL	Project: NTQ	Purpose of Issue: Planning	Issue: C
Date: 29.07.2024	Revision / Upgrade Description: Antennas heights revised. New ProX5 assessment.			
Drawn: J.Rossi				
Checked: G.Jennings				
Approved: G.Jennings				
Master: M002	MBNL / EE / H3G: MBNL	Project: NTQ	Purpose of Issue: Planning	Issue: B
Date: 22.05.2024	Revision / Upgrade Description: Antennas relocated onto proposed Valmont tripods on main roof. Cable management revised. ICNIRP revised in line with ProX5 assessment - bearings revised.			
Drawn: J.Rossi				
Checked: G.Jennings				
Approved: G.Jennings				
Master: M001	MBNL / EE / H3G: MBNL	Project: NTQ	Purpose of Issue: Planning	Issue: A
Date: 16/01/24	Revision / Upgrade Description: First Issue			
Drawn: J. BOOTE				
Checked: J. STOCKDALE				
Approved: G. JENNINGS				



Hutchison 3G UK Limited
Green Park, 450 Longwater Avenue
Reading, RG2 6GF
Tel: 01628 765 000
Fax: 01628 765 001



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW
Tel: 01707 315000
Fax: 01707 319001



Mobile Broadband Network Limited
Sixth Floor, Thames Tower, Station Road, Reading, RG1 1LX

Design Consultant & Principal Contractor:

 **WHP Telecoms**
Castlevue House,
Calder Island Way, Wakefield
WF2 7AW
Tel: 01925 424 100
e-mail: info@whptelecoms.com

Site Name:	RENOLD ROOFTOP 203988		
Site ID:	1105663		
Address:	UNIVERSITY OF MANCHESTER, RENOLD BUILDING, ALTRINCHAM STREET, MANCHESTER M1 7JR		
Title:	267 PROPOSED ELEVATION C		
Project:	NTQ		
Purpose of Issue:	GENERAL ARRANGEMENT		
EE Cell ID:	24194	MBNL Cell ID:	MAN178
3UK Cell ID:	M0155		
Master Drawing No:	1105663_MAN178_24194_M0155_M005		Issue: E

NOTE: EXISTING HANDRAIL IN AREAS OF PROPOSED TRIPODS TO BE CAREFULLY REMOVED AND ENDS TO BE TIED INTO PROPOSED TRIPODS CORNER POSTS (NO GAPS IN HANDRAIL)

NOTE: EXISTING TX EQUIPMENT IN EXISTING H3G CABINETS TO BE RELOCATED TO THE NEW PROPOSED MRK5 LINK AC

NOTE: PROPOSED EE & H3G RRU'S & BOB'S TO BE MOUNTED ON STD RIGGING KIT ON TRIPODS.

NOTE: ALL TRIPODS TO BE FITTED WITH 1200 LONG EXTENSION POLE KITS

PROPOSED EE/H3G 600Ø DISH ON EXTENSION POLE ON TRIPOD

PROPOSED EE/H3G 2No. ANTENNA APERTURES AT 240° ON VALMONT TRIPOD ON NEW CONCRETE PLINTHS

800 HIGH PARAPET WITH HANDRAIL FIXED TO INSIDE. O/A = 1.1m AFRL

VODAFONE 2No. ANTENNAS @ 210° ON WALL-MOUNTED CLIMBABLE POLE

TOP OF PLANTROOM
+44.5m AGL

MAIN ROOF LEVEL
+37.3m AGL

ROOF LEVEL
+31.0m AGL

PROPOSED EE/H3G OUTDOOR CABINETS ON STEEL GRILLAGE SPANNING BETWEEN PLANTROOM WALL & PARAPET. GRILLAGE C/W OPEN MESH FLOORING, HANDRAIL, KICK PLATE, ACCESS STEPS & 2No SELF-CLOSING GATES.

C/L OF APERTURES
+42.9m AGL

C/L OF DISHES
+39.5m AGL

STAIRWELL ROOF LEVEL
+38.7m AGL

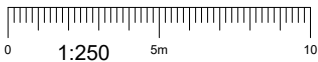
LOWER ROOF LEVEL
+10.0m AGL

LOWER ROOF LEVEL
+8.0m AGL

GROUND
LEVEL
0.0m

STEPS

PROPOSED ELEVATION D



NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

NOTE: ANTENNA AND SUPPORTING STEELWORK/EQUIPMENT TO BE PAINTED WHITE AS PER LPA REQUEST. CABINETS TO BE RAL7035 (GREY) AS STANDARD

SHARED CONFIGURATION SITE

RF CONFIG S1A

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M005	MBNL	NTQ	Planning	E
Date:	28.08.2024	Revision / Upgrade Description:		
Drawn:	G.Jennings	TX notation added		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M004	MBNL	NTQ	Planning	D
Date:	12.08.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Drawings updated following Design Review.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	MBNL	NTQ	Planning	C
Date:	29.07.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas heights revised. New ProX5 assessment.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	MBNL	NTQ	Planning	B
Date:	22.05.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas relocated onto proposed Valmont tripods on main roof.		
Checked:	G.Jennings	Cable management revised. ICNIRP revised in line with ProX5 assessment - bearings revised.		
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	NTQ	Planning	A
Date:	16/01/24	Revision / Upgrade Description:		
Drawn:	J. BOOTE	First Issue		
Checked:	J. STOCKDALE			
Approved:	G. JENNINGS			



Hutchison 3G UK Limited
Green Park, 450 Longwater Avenue
Reading, RG2 6GF
Tel: 01628 765 000
Fax: 01628 765 001



Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW
Tel: 01707 315000
Fax: 01707 319001



Mobile Broadband Network Limited
Sixth Floor, Thames Tower, Station Road, Reading, RG1 1LX

Design Consultant & Principal Contractor:



WHP Telecoms
Castlevue House,
Calder Island Way, Wakefield
WF2 7AW

Tel: 01925 424 100
e-mail: info@whptelecoms.com

Site Name:
RENOLD ROOFTOP 203988

Site ID:
1105663

Address:
**UNIVERSITY OF MANCHESTER,
RENOLD BUILDING,
ALTRINCHAM STREET,
MANCHESTER
M1 7JR**

Title:
268 PROPOSED ELEVATION D

Project:
NTQ

Purpose of Issue:
GENERAL ARRANGEMENT

EE Cell ID: 24194	MBNL Cell ID: MAN178	3UK Cell ID: M0155
-----------------------------	--------------------------------	------------------------------

Master Drawing No: 1105663_MAN178_24194_M0155_M005	Issue: E
--	--------------------

Max Configuration Antenna Aperture Schedule & RF Equipment Capacity																	
Antenna Aperture ID	Antenna Aperture Size (Length x Width x Depth)	Aperture Height C/L	Aperture Max Weight (kg)	Proposed Bearing	Tech:	Operator: Shared/ EE/H3G	Antenna Aperture Coordinates		RRU No. Max Size & Weight L=500mm W=400mm D=150mm Weight<25kg	MHA No. Max Size & Weight L=300mm W=300mm D=150mm Weight<10kg	Main Feeder			BOB Max Size & Weight (300x300x250mm & 5kg)		Active Router No. Max Size & Weight (370x260x150mm & 10kg)	Passive Router No. Max Size & Weight (350x220x150mm & 10kg)
							Eastings	Northings			Size	Length	No.	No. Top	No. Bottom		
A1	2700x500x400mm	42.9m	150kg	0°	4G/5G	H3G	-	-	4	-	-	-	-	2	1	2	-
A2	2700x500x400mm	42.9m	150kg	40°	2G/4G/5G	EE	-	-	4	-	-	-	-	1	1	2	-
B1	2700x500x400mm	42.9m	150kg	120°	4G/5G	H3G	-	-	4	-	-	-	-	2	1	2	-
B2	2700x500x400mm	42.9m	150kg	150°	2G/4G/5G	EE	-	-	4	-	-	-	-	1	1	2	-
C1	2700x500x400mm	42.9m	150kg	240°	4G/5G	H3G	-	-	4	-	-	-	-	2	-	2	-
C2	2700x500x400mm	42.9m	150kg	260°	2G/4G/5G	EE	-	-	4	-	-	-	-	1	1	2	-

NOTE:
THERE MAY BE UP TO 2 ANTENNAS PER APERTURE
SUBJECT TO SITE SPECIFIC RADIO DESIGN

Passive Infrastructure Equipment Capacity		
A	B	C
S1A	S1A	S1A

STATUS KEY:

Installed:

Retain:

Relocate:

Remove:

Proposed:

Existing

Existing and to remain

Existing and to be relocated

Existing to be removed from site

New on site

Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M005	MBNL	NTQ	Planning	E
Date:	28.08.2024	Revision / Upgrade Description:		
Drawn:	G.Jennings	TX notation added		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M004	MBNL	NTQ	Planning	D
Date:	12.08.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Drawings updated following Design Review.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M003	MBNL	NTQ	Planning	C
Date:	29.07.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas heights revised. New ProX5 assessment.		
Checked:	G.Jennings			
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M002	MBNL	NTQ	Planning	B
Date:	22.05.2024	Revision / Upgrade Description:		
Drawn:	J.Rossi	Antennas relocated onto proposed Valmont tripods on main roof.		
Checked:	G.Jennings	Cable management revised. ICNIRP revised in line with ProX5 assessment - bearings revised.		
Approved:	G.Jennings			
Master:	MBNL / EE / H3G:	Project:	Purpose of Issue:	Issue:
M001	MBNL	NTQ	Planning	A
Date:	16/01/24	Revision / Upgrade Description:		
Drawn:	J. BOOTE	First Issue		
Checked:	J. STOCKDALE			
Approved:	G. JENNINGS			



Hutchison 3G UK Limited

Green Park, 450 Longwater Avenue

Reading, RG2 6GF

Tel: 01628 765 000

Fax: 01628 765 001



Hatfield Business Park

Hatfield

Hertfordshire

AL10 9BW

H3G Base Station Information line:

0845 6043000

Available 8am-6pm Monday to Friday

Tel: 01707 315000

Fax: 01707 319001



Mobile Broadband Network Limited

Sixth Floor, Thames Tower, Station Road, Reading, RG1 1LX

Design Consultant & Principal Contractor:



WHP Telecoms

Castlevue House,

Calder Island Way, Wakefield

WF2 7AW

Tel: 01925 424 100

e-mail: info@whptelecoms.com

Site Name:

RENOLD ROOFTOP 203988

Site ID:

1105663

Address:

UNIVERSITY OF MANCHESTER,
RENOLD BUILDING,
ALTRINCHAM STREET,
MANCHESTER
M1 7JR

Title:

304 MAX CONFIGURATION ANTENNA
SCHEDULE

Project:

NTQ

Purpose of Issue:

GENERAL ARRANGEMENT

EE Cell ID:	MBNL Cell ID:	3UK Cell ID:
24194	MAN178	M0155

Master Drawing No:	Issue:
1105663_MAN178_24194_M0155_M005	E

100mm

50mm

10mm

10