

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

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[illegible][illegible]

Agency	OMB ID # (FDS)	Project	Purpose of Issue	Issue
M0001	MBNL	T&A	Planning	C
Issue	10/27/2020	Request for Proposal		
Issue	11/10/2020	Source Contracted and Apertures height reduced due to acquisition comments.		
Approved	JCR			
M0002	MBNL	T&A	Planning	B
Issue	05/03/2020	Request / Algorithm Description		
Issue	JCR	HLG delivery 26/02/2020. Config solution submitted to a H44; GA updated to new standards 1/14/20 new BIPV zones.		
Approved	JCR			
M0001	MBNL	T&A	Planning	A
Issue	11/12/2018	Request / Algorithm Description		
Issue	JCR			
Approved	REM			
First Issue				

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Mobile Broadband Network Limited
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Design Consultant & Principal Contractor



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Site Name:

TORRINGTON PLACE

Purpose of Issue:

Purpose of Issue:

Planning

[illegible]

General Arrangement	Detailed Design
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[illegible]

Construction

[illegible]

Issued by:

Issued by:

Beacon Comms

[illegible]

Daly International

[illegible]

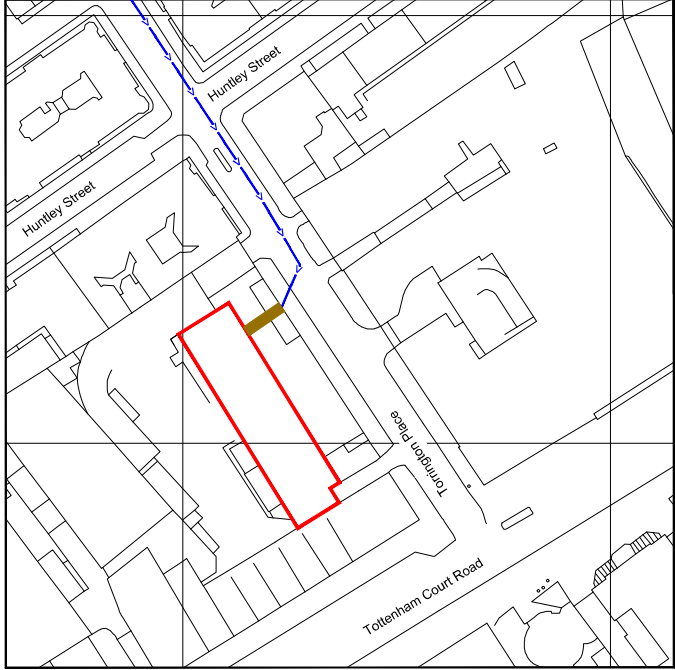
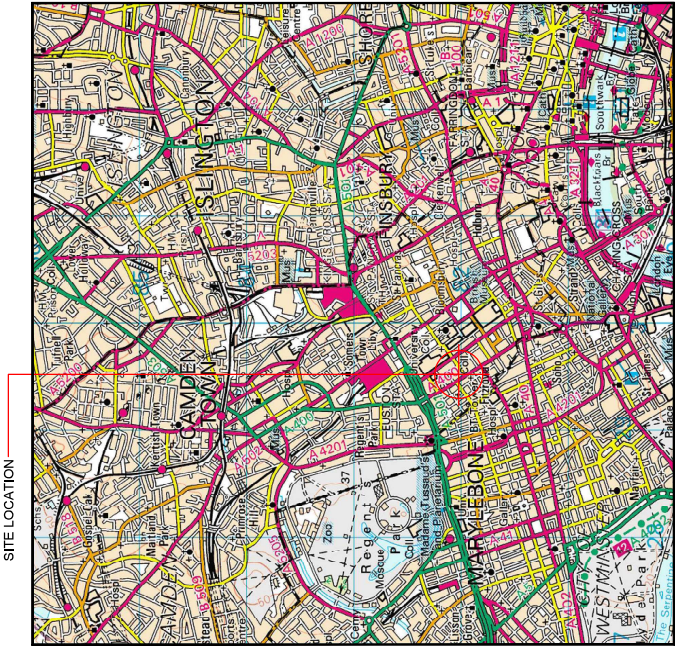
† ISSUE: GENERAL ARRANGEMENT

EE Cell ID

9811

Master Drawing No:

833840



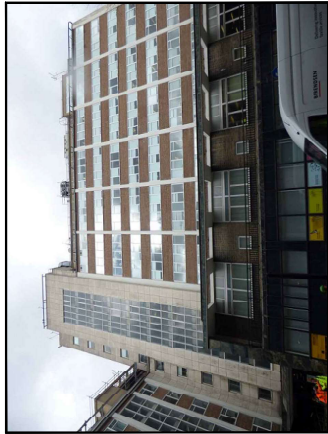
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NGR E: 529515 N: 181988



SITE AREA PLAN

SITE LOCATION PLAN



SITE PHOTOGRAPH



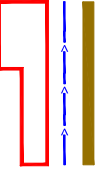
GOOGLE MAPS QR CODE

GOOGLE MAPS - Hyperlink to map of the site

GOOGLE STREETVIEW - Hyperlink to streetview of the site

NOTES:

- ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.
- DIRECTIONS TO SITE: Head south-east on M1. Keep left to continue towards N Circular Rd. Use right 2 lanes to take A408 (E) slip road to Wood Green. Use the right lane to merge onto N Circular Rd. Use 2nd from the left lane to take slip road to Centre London W. At roundabout, take 3rd exit towards C. London. Slight left onto Hendon Way/A41. Continue to follow Avenue Road. Outer Cir and A4201 to Euston. Turn left onto Gloucester Gate. Turn right onto Albany SWA4201. Turn right onto Onaburgh SWA4201. Turn left onto Euston Rd/A501. Take A400 exit towards West End/Westminster/Holborn. Slight right onto A400. Turn right onto Torrington Pl.



Site Provider's
Property Boundary:
Access Route To Site:
Access Route:

Number	MBNL / EET / F402	Project	T&A	Programme of Issue	Issue
M003	MBNL	10/07/2020	Revision / Approval Description: Sector C relocated and Apertures height reduced due to acquisition constraints.	Planning	C
Drawn	JCR	10/07/2020	Approved	JCR	
Approved	JCR	10/07/2020	Approved	JCR	
M002	MBNL	05/03/2020	Revision / Approval Description: HLD review 26/02/2020. Config solution amended to a H4a, GA updated to new standards (V1.0) c/w new 'Entry' zones.	Planning	B
Drawn	JCR	05/03/2020	Approved	JCR	
Approved	JCR	05/03/2020	Approved	JCR	
M001	MBNL	11/12/2018	Revision / Approval Description: First Issue	Planning	A
Drawn	JCR	11/12/2018	Approved	JCR	
Approved	JCR	11/12/2018	Approved	JCR	



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Design Consultant & Principal Contractor:

Site Name:

TORRINGTON PLACE

Site ID:

833840

Address:

1-19 TORRINGTON PLACE
TOTTENHAM COURT ROAD
LONDON
WC1E 7HB

Title:

002 SITE LOCATION PLAN

Project:

T&A

Purpose of Issue:

GENERAL ARRANGEMENT

EET Code ID:

98117

MBNL Code ID:

CMN026

SLIP Code ID:

WC0037

Issue:

833840_CMN026_98117_WC0037_M003

C

<u>DEPENDENCY</u>	<u>STATUS</u>	<u>DEPENDENCY</u>	<u>STATUS</u>
RF Compliance	Pass - complies on Sectors A and C Step down 2 - EE + H3G (V-H (a)) 2.0.	Rigging Survey	N/A
Building Regulations Approval	TBC by Local Authority	FIXITS	N/A
Asbestos	Refer to on Site Report	Power	Existing 3 Phase 100A REC supply
Planning Conditions	TBC by Local Authority	Transmission Solution	Existing BT Fibre. Existing transmission dishes
Geotech Report	N/A	Cooling Solution	Existing CEMS 12kW to be upgraded to 18kW.
Structural Calculations	Required for existing structure, proposed supporting steelwork and tripods	Line of Sight Survey	N/A. Existing dishes retained
Intrusive Building Survey	Required to determine suitability of existing structure	Services Search	N/A
Global Design Check	N/A	Other	-

NOTES:

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Number	MBNL / EE / H3G	Project	Programme of Issue
M003	MBNL	T&A	Planning
Revision / Upgrade Description			
Date	10/07/2020		
Drawn	JK		
Checked	JK		
Approved	JCR		
Sector C relocated and Apertures height reduced due to acquisition constraints.			
Number	MBNL / EE / H3G	Project	Programme of Issue
M002	MBNL	T&A	Planning
Revision / Upgrade Description			
Date	05/03/2020		
Drawn	JK		
Checked	JK		
Approved	JCR		
HLD review 26/02/2020. Config solution amended to a H4a, GA updated to new standards (V1.2) over new Fixing zones.			
Number	MBNL / EE / H3G	Project	Programme of Issue
M001	MBNL	T&A	Planning
Revision / Upgrade Description			
Date	11/12/2018		
Drawn	JPR		
Checked	JCR		
Approved	HEM		
First Issue			



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Design Consultant & Principal Contractor:



Site Name:

TORRINGTON PLACE

Site ID:

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Address:

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LONDON
WC1E 7HB

Title:

007 FIXITS & DEPENDENCIES

Project:

T&A

Purpose of Issue:

GENERAL ARRANGEMENT

EE Cat ID:

98117

MBNL Cat ID:

CMN026

SUP Cat ID:

WC0037

Master Drawing No:

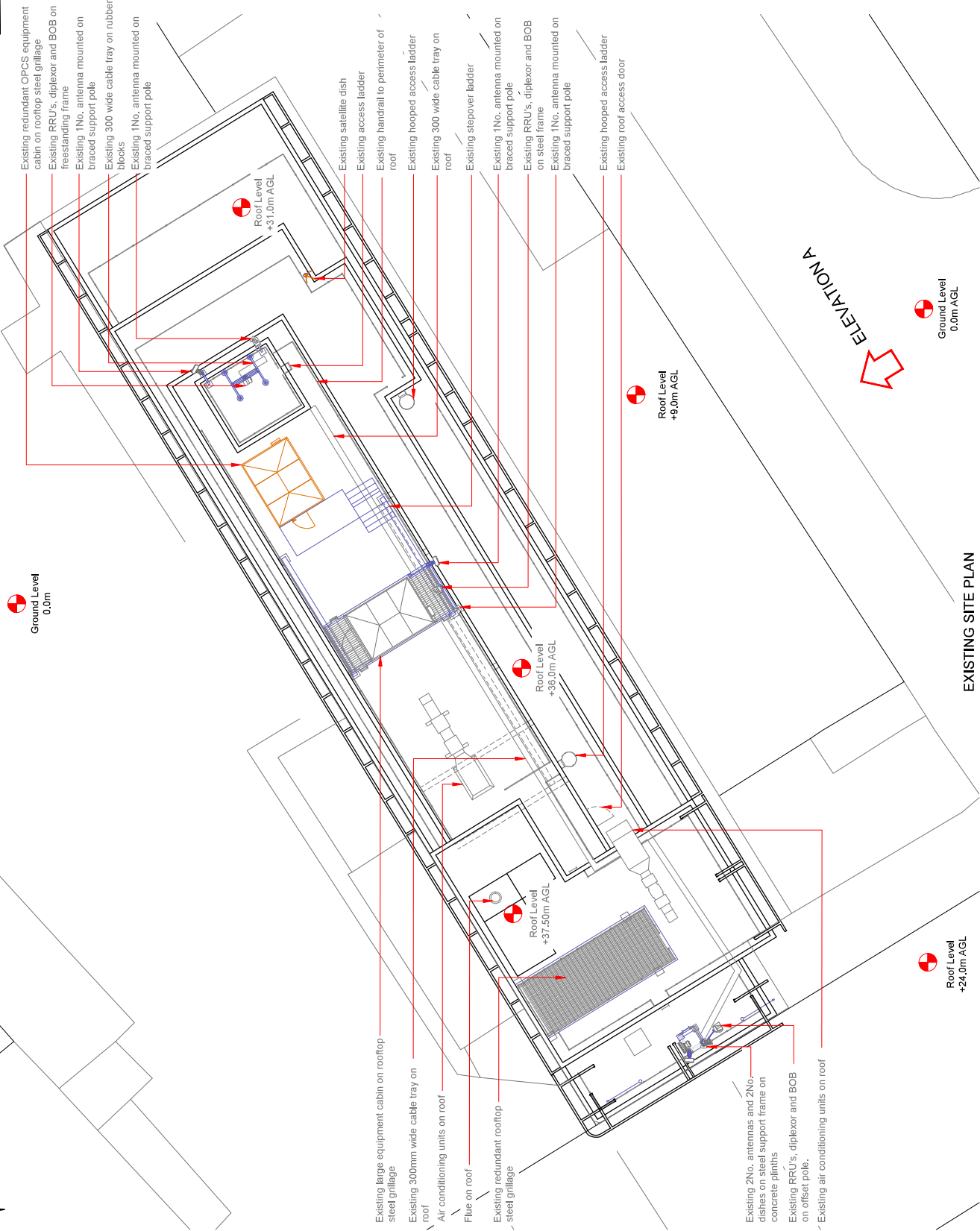
833840_CMN026_98117_WC0037_M003

Issue:

C



Ground Level
0.0m



EXISTING SITE PLAN



NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE NOTED.

30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300
uA1	uA2	uA3	uA4	uA5	uA6	uA7	uA8	uA9	uA10	uA11	uA12	uA13	uA14	uA15	uA16	uA17	uA18	uA19
uA1	uA2	uA3	uA4	uA5	uA6	uA7	uA8	uA9	uA10	uA11	uA12	uA13	uA14	uA15	uA16	uA17	uA18	uA19
uA1	uA2	uA3	uA4	uA5	uA6	uA7	uA8	uA9	uA10	uA11	uA12	uA13	uA14	uA15	uA16	uA17	uA18	uA19

Number	MBNL / EET / H3D	Project	T&A	Programme of Issue	Issue
M003	MBNL	Revision / Upgrade Description	Planning	Planning	C
Details	JCR	Sector C re-located and Apertures height reduced due to acquisition constraints.			
Approved	JCR				
M002	MBNL	Revision / Upgrade Description	Planning	Planning	B
Details	JCR	HLD review 26/02/2020, Config solution amended to a 4Hz, 6A updated to new standards (V1.0) for new EET/ky zones.			
Approved	JCR				
M001	MBNL	Revision / Upgrade Description	Planning	Planning	A
Details	JCR				
Approved	JCR				
Approved	JCR				

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Site Name: TORRINGTON PLACE

Site ID: 833840

Address: 1-19 TORRINGTON PLACE
TOTTENHAM COURT ROAD
LONDON
WC1E 7HB

Title: 100 EXISTING SITE PLAN

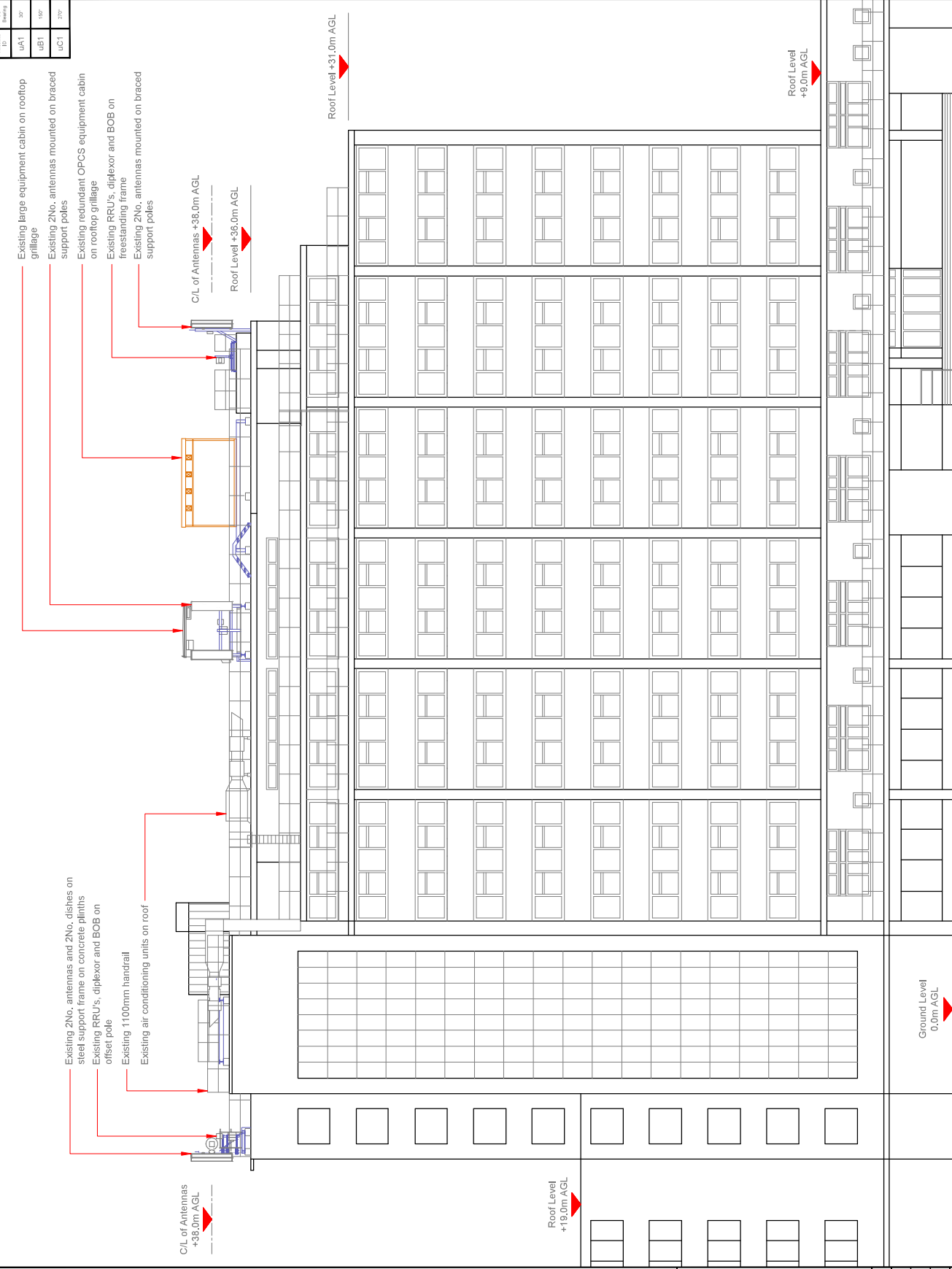
Project: T&A

Purpose of Issue: GENERAL ARRANGEMENT

EE Call ID: 98117 MBNL Call ID: CMN026 SUP Call ID: WC0037

Master Drawing No: 833840_CMN026_98117_WC0037_M003 Issue: C

30	20	10	0
Antenna	Antenna	Antenna	Antenna
uA1	30'	20'	10'
uB1	10'	0'	0'
uC1	20'	10'	0'



NOTES:
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Master	MBNL / EET / H3D	Project	T&A	Purpose of Issue	Issue
M003	MBNL	10/07/2020	T&A	Planning	C
Drawn	JR	10/07/2020	Approved	JCR	
Master	MBNL / EET / H3D	Project	T&A	Purpose of Issue	Issue
M002	MBNL	05/03/2020	T&A	Planning	B
Drawn	JR	05/03/2020	Approved	JCR	
Master	MBNL / EET / H3D	Project	T&A	Purpose of Issue	Issue
M001	MBNL	11/12/2018	T&A	Planning	A
Drawn	JR	11/12/2018	Approved	JCR	
Master	MBNL / EET / H3D	Project	T&A	Purpose of Issue	Issue
M000	MBNL	11/12/2018	T&A	Planning	A
Drawn	JR	11/12/2018	Approved	JCR	

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Site Name: TORRINGTON PLACE
Site ID: 833840
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Title: 150 EXISTING ELEVATION A
Project: T&A
Purpose of Issue: GENERAL ARRANGEMENT
MBNL Cell ID: CMN026
WHP Cell ID: WC0037
Master Drawing No: 833840_CMN026_98117_WC0037_M003

EXISTING ELEVATION A





Ground Level
0.0m AGL

Existing redundant OPCs equipment cabin
on rooftop grillage

Proposed RRU's mounted on new steel
support poles to existing grillage beam.

Existing Equipment cabin on steel support grillage.

Existing equipment cabinets to be utilised for
upgrade. Additional proposed cabinets to be
installed

Proposed fire alarm sander linked to SP
system

Proposed steel step-over c/w 1100mm
high handrail

Air conditioning units on roof

Flue on roof

Proposed 2No. Apertures to be
mounted on new Tripod. Tripod
to be mounted on new R/C
plinth c/w steel beams. R/C
plinth to be installed above
existing internal columns/walls.
Proposed RRU's, BOB's &
routers mounted on new support
poles fixed to the inside of new
tripod

Roof Level
+24.0m AGL

Existing 2No. dishes on steel support
frame on concrete plinth to be retained

Proposed 300mm wide cable tray on
rubber blocks

Proposed steel step-over
c/w 1100mm high handrail

Existing redundant steel grillage
mounted on plinth

Existing air conditioning units on roof

Proposed EE GPS module to be
installed on top of Aperture support pole
Proposed H3G GPS module to be
installed on top of Aperture support pole
Proposed 2No. Apertures to be mounted on new
Tripod. Tripod to be mounted on new steel grillage.
Proposed RRU's, BOB's & routers mounted on new
support poles fixed to the inside of new tripod
Proposed steel support grillage mounted on existing
steel grillage/new plinth. C/w access steps
handrail, open mesh flooring and access
lighting. R/C plinth to be installed
above existing internal structural wall.

Roof Level
+31.0m AGL

Existing satellite dish

Existing 1100mm handrail to perimeter of roof

Existing hooped access ladder

Proposed freestanding handrail with
RF signage

Existing stepover ladder to be relocated

Proposed 450mm wide cable tray on
rubber blocks

Proposed 450mm wide cable tray on
rubber blocks

Existing hooped access ladder

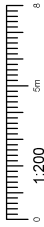
Existing roof access door

Roof Level
+9.0m AGL

Ground Level
0.0m AGL



PROPOSED MAX CONFIGURATION SITE PLAN



Aperture ID	Aperture Size	Aperture Type	Aperture Material	Aperture Finish
A1	30"	EE	-	-
A2	30"	EE	-	-
A3	30"	EE	-	-
A4	30"	EE	-	-
A5	30"	EE	-	-
A6	30"	EE	-	-
A7	30"	EE	-	-
A8	30"	EE	-	-
A9	30"	EE	-	-
A10	30"	EE	-	-

Number	MBNL / EE / H3G	Project	Revision / Approval Description	Project	Revision / Approval Description
M003	MBNL	T&A	10/07/2020	Planning	C
M002	MBNL	T&A	05/03/2020	Planning	B
M001	MBNL	T&A	11/12/2018	Planning	A

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