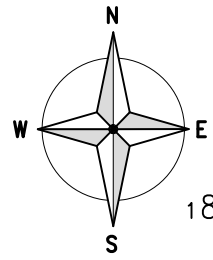


SITE LOCATION
(Scale 1:50000)

Ordnance Survey map extract based upon Landranger map series with the permission of the controller of Her Majesty's Stationery Office Licence No. 100035093 Crown copyright.



SITE PHOTOGRAPH



1821 00

1820 00

1819 00



5296 00

5297 00

DETAILED SITE LOCATION
(Scale 1:1250)

Based upon Ordnance Survey map extract with the permission of the Controller of Her Majesty's Stationery Office. Crown copyright. Licence No. 100035093

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R | E: 529648 N: 182039

CONCESSION REQUIRED | NO

DIRECTIONS TO SITE:
FROM END OF M1 TAKE A5, TOWARDS C. LONDON AND FOLLOW FOR 7.8 MILES. AT THE ROUNDABOUT TAKE THE 1ST EXIT ONTO EDGWARE RD FOR 0.9 MILES. CONTINUE ONTO CRICKLEWOOD BROADWAY/A5 FOR 3.6 MILES. TURN LEFT ONTO THE RAMP TO RING ROAD E /A400/A1/THE CITY/EUSTON/KINGS CROSS & MERGE ONTO MARYLEBONE RD/MARYLEBONE FLYOVER/A501. FOLLOW A501 FOR 1.2 MILES. TAKE THE A400 EXIT TOWARD HOLLOWAY/CAMDEN TOWN/WEST END/WESTMINSTER/HOLBORN. MERGE ONTO EUSTON RD/A400 VIA THE RAMP TO RING ROAD/WEST END/WESTMINSTER/HOLBORN. TURN RIGHT ONTO A400 WHERE THE SITE IS ON THE RIGHT HAND SIDE

NOTES:

C	Detailed Elevation added	SM	AN	22.09.14
B	Antenna fixing details added	JE	SDR	11.07.14
A	Issued for Approval	SdP	AE	11.03.14
REV	MODIFICATION	BY	CH	DATE

Cell Name	Opt.
85 GOWER STREET	A

CTIL Reference	O2 CSR
141281	(TEF) 008350

Site Address / Contact Details
85 GOWER STREET BLOOMSBURY LONDON WC1E 6HT

Drawing Title:	SITE LOCATION MAPS
Purpose of issue:	SURVEY DETAIL

Drawing Number:	100
-----------------	-----

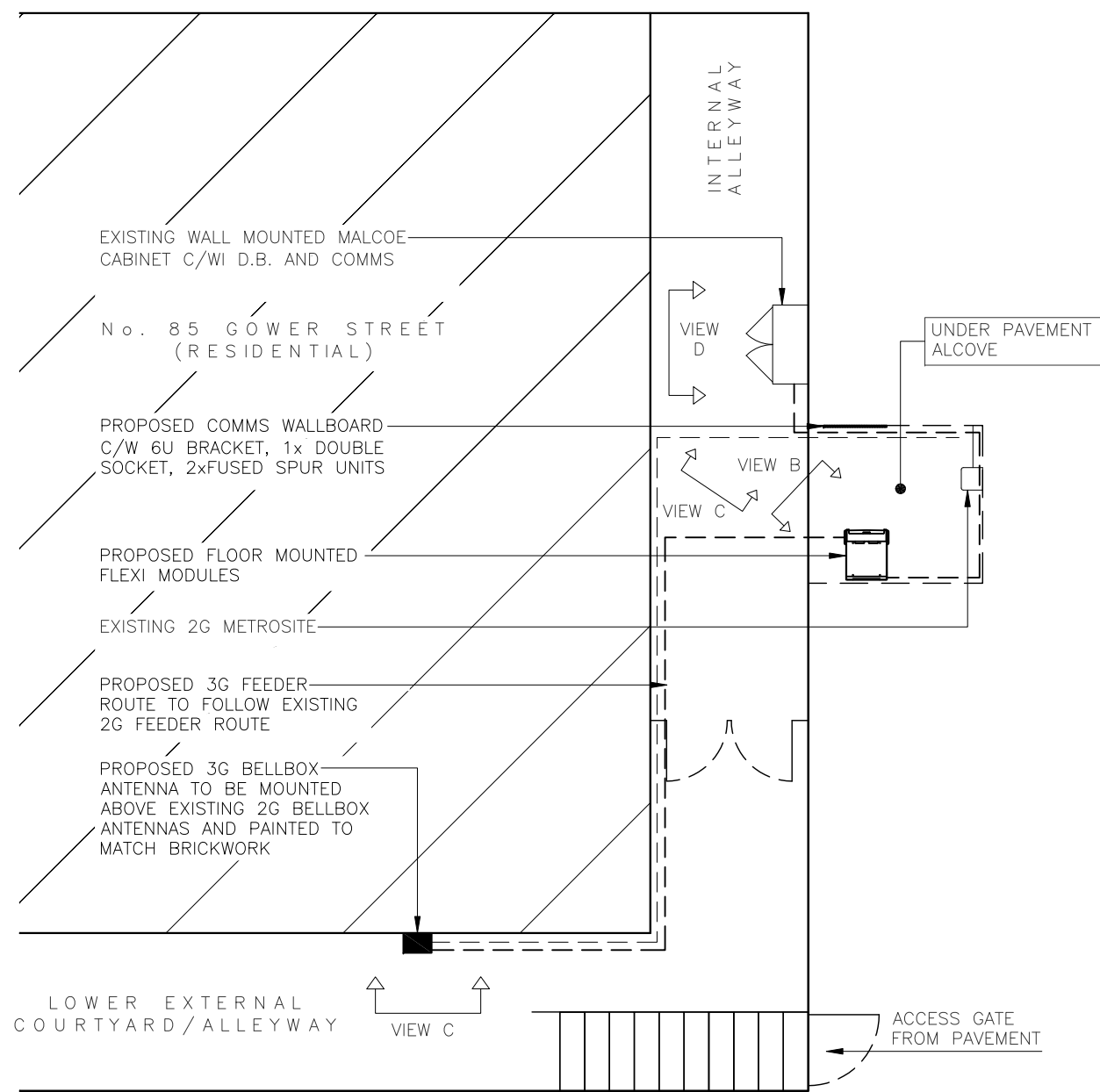
Surveyed By:	PB	Original Sheet Size:	A3	Issue:	C
Drawn:	SdP	Date:	11.03.14	Checked:	AE
		Date:	11.03.14		

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

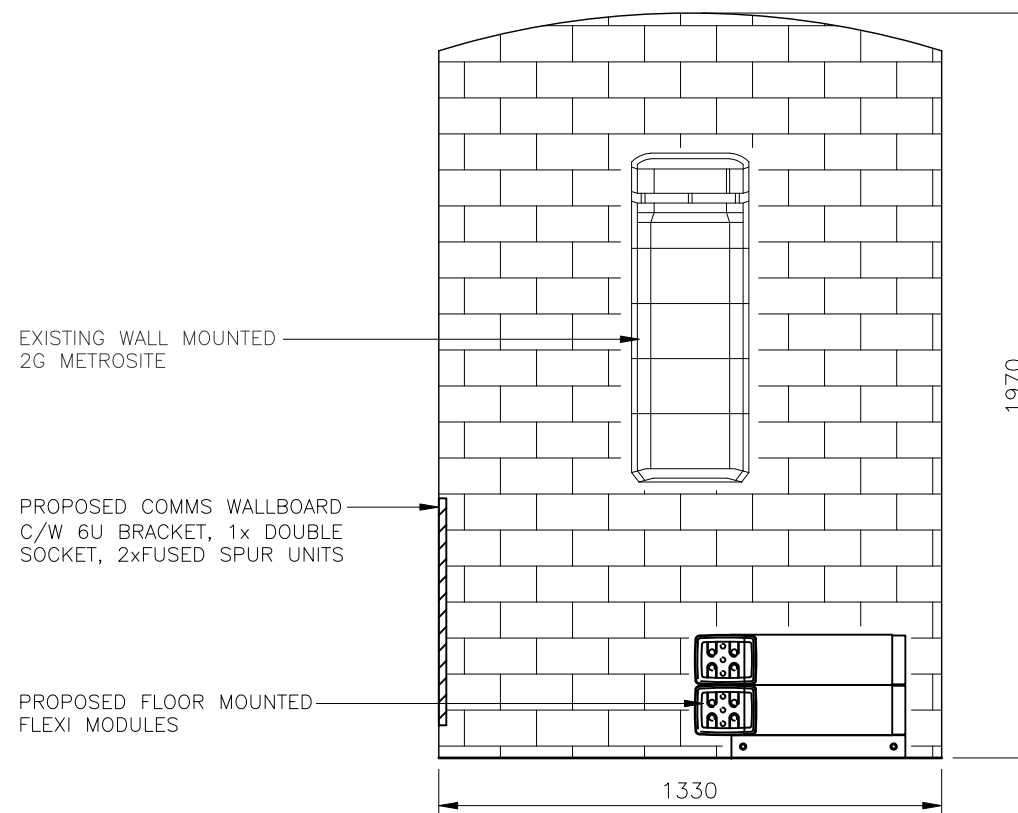
N.G.R | E: 529648 | N: 182039

CONCESSION REQUIRED | NO

NOTES:
THE SYSTEM IS DESIGNED TO MEET THE REQUIREMENTS SPECIFIED IN O2 RADIO DATASHEET: 1101: MICROCELL DESIGN, DEPLOYMENT AND DATA BUILD GUIDELINES

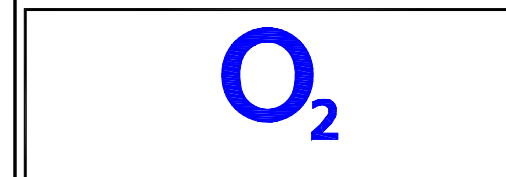


GROUND LEVEL PLAN IN ALLEYWAY (N.T.S.)



ELEVATION IN ALCOVE AREA (N.T.S.)

REV	MODIFICATION	BY	CH	DATE
C	Detailed Elevation added	SM	AN	22.09.14
B	Antenna fixing details added	JE	SDR	11.07.14
A	Issued for Approval	SdP	AE	11.03.14



Cell Name	Opt.
85 GOWER STREET	A

CTIL Reference	O2 CSR
141281	(TEF) 008350

Site Address / Contact Details
85 GOWER STREET BLOOMSBURY LONDON WC1E 6HT

Drawing Title: SITE PLAN

Purpose of issue: SURVEY DETAIL

Drawing Number: 200

Surveyed By: PB	Original Sheet Size: A3	Issue: C
Drawn: SdP	Date: 11.03.14	Checked: AE
		Date: 11.03.14

The drawings comply with TEF Standard ICNIRP guidelines.
Designed in accordance with Cornerstone document: CORN/09/006

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R | E: 529648 | N: 182039

CONCESSION REQUIRED | NO

NOTES:



PROPOSED 3G BELLBOX ANTENNA A1
LOCATION. PAINTED TO MATCH BRICKWORK

PROPOSED ANTENNA HEIGHT
+5.0m AGL



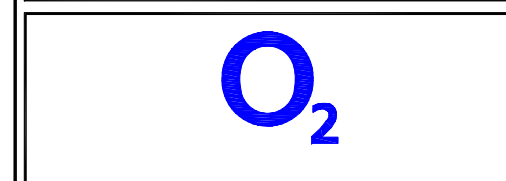
EXISTING 2G BELLBOX
ANTENNA LOCATION

EXISTING 2G BELLBOX
ANTENNA LOCATION

PROPOSED ANTENNA LOCATION

FOR ANTENNA FIXING DETAILS REFER TO

REV	MODIFICATION	BY	CH	DATE
C	Detailed Elevation added	SM	AN	22.09.14
B	Antenna fixing details added	JE	SDR	11.07.14
A	Issued for Approval	SdP	AE	11.03.14



Cell Name	Opt.
85 GOWER STREET	A

CTIL Reference	O2 CSR
141281	(TEF) 008350

Site Address / Contact Details	
85 GOWER STREET BLOOMSBURY LONDON WC1E 6HT	

Drawing Title: SITE ELEVATIONS

Purpose of issue: SURVEY DETAIL

Drawing Number: 300

Surveyed By: PB	Original Sheet Size: A3	Issue: C
Drawn: SdP	Date: 11.03.14	Checked: AE
		Date: 11.03.14

The drawings comply with TEF Standard ICNIRP guidelines.
Designed in accordance with Cornerstone document: CORN/09/006



VIEW A – PROPOSED FLEXI
MODULES LOCATION



VIEW B – PROPOSED COMMS
WALLBOARD LOCATION



VIEW C – EXISTING 2G & PROPOSED
3G BELLBOX ANTENNA LOCATION



VIEW D – EXISTING DISTRIBUTION
BOARD LOCATION



PANORAMIC PHOTO 1 (0°)



PANORAMIC PHOTO 2 (50°)



PANORAMIC PHOTO 3 (110°)



PANORAMIC PHOTO 4 (160°)



ANTENNA LOCATION VIEW

SITE PHOTOGRAPHS

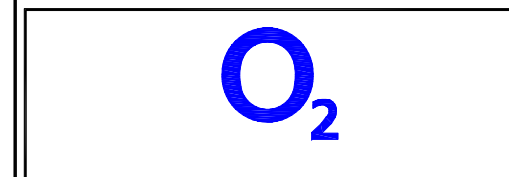
ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R | E: 529648 N: 182039

CONCESSION REQUIRED | NO

NOTES:

C	Detailed Elevation added	SM	AN	22.09.14
B	Antenna fixing details added	JE	SDR	11.07.14
A	Issued for Approval	SdP	AE	11.03.14
REV	MODIFICATION	BY	CH	DATE



Cell Name		Opt.
85 GOWER STREET		A
CTIL Reference	O2 CSR	
141281	(TEF) 008350	

Site Address / Contact Details
85 GOWER STREET
BLOOMSBURY
LONDON
WC1E 6HT

Drawing Title:
SITE PHOTOGRAPHS

Purpose of issue:
SURVEY DETAIL

Drawing Number:
400

Surveyed By: PB		Original Sheet Size: A3		Issue: C
Drawn: SdP	Date: 11.03.14	Checked: AE	Date: 11.03.14	

EXTERNAL

PROPOSED
3G BELLBOX ANTENNA
(7824-400)
(INCLUDING OVERSHROUD)



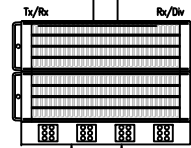
PROPOSED 4.0m
ANTENNA TAILS

PROPOSED 2 x LDF4-50
FEEDER CABLES

(20.0m x 2)

GROUND FLOOR IN ALLEYWAY

PROPOSED FLEXI
RADIO MODULES
(1No. RF MODULE
& 1 No. SYSTEM
MODULE)



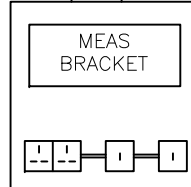
POWER LINK
COMMS LINK

EXISTING MALCOE CABINET

EXISTING 1Ø
HAGER D.B IN
CABINET C/W
BT NTE



PROPOSED COMMS WALLBOARD
C/W 6U BRACKET, ELTEK
MINIPACK PSU, 1x DOUBLE
SOCKET, 2xFUSED SPUR UNITS



PROPOSED FP200 POWER CABLE (4.0mm²)
(5.0m)

FIBRE
PROPOSED SELECTED
COMMS SUPPLIER

EXISTING 2G
METROSITE

EXISTING SWA CABLE

EXISTING 6mm SWA CABLE FROM SITE PROVIDER POWER

SYSTEM SCHEMATIC
(N.T.S.)

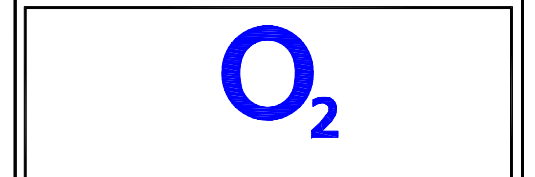
ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R | E: 529648 | N: 182039

CONCESSION REQUIRED | NO

NOTES:

REV	MODIFICATION	BY	CH	DATE
C	Detailed Elevation added	SM	AN	22.09.14
B	Antenna fixing details added	JE	SDR	11.07.14
A	Issued for Approval	SdP	AE	11.03.14



Cell Name | Opt.
85 GOWER STREET | A

CTIL Reference | O2 CSR

141281 | (TEF) 008350

Site Address / Contact Details

85 GOWER STREET
BLOOMSBURY
LONDON
WC1E 6HT

Drawing Title:
SYSTEM SCHEMATIC

Purpose of issue:
SURVEY DETAIL

Drawing Number:
500

Surveyed By: PB | Original Sheet Size: A3 | Issue: C

Drawn: SdP | Date: 11.03.14 | Checked: AE | Date: 11.03.14

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R | E: 529648 | N: 182039

CONCESSION REQUIRED | NO

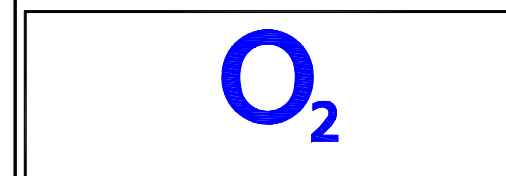
NOTES:

BILL OF MATERIALS				
TYPE	MANUFACTURER	MODEL	DESCRIPTION	QTY
ANTENNA	JAYBEAM	7824-400	3G BELLBOX ANTENNA PAINTED BROWN TO MATCH BRICKWORK	1
MCB	HAGER	20A	PROPOSED HAGER 20A MCB	1
POWER CABLE	PIRELLI	FP200	3 CORE 4.0mm ²	5m
FEEDER CABLE	ANDREW	LDF4-50J	50 ohms 1/2" COAXIAL CABLE- FOAM DIELECTRIC FLAME RETARD	40m
FEEDER CABLE	ANDREW	FSJ4-50	ANTENNA TAILS	5m
CONNECTORS	ANDREWS	N-MALE	FOR CONNECTION TO ANTENNA TAILS	4
CONNECTORS	ANDREW	DIN MALE ANGLE	FOR CONNECTION TO FLEXI MODULES	4
POWER / COMMS BOARD	10mm ² PLYWOOD	800 x 600	C/W DOUBLE SOCKET & 2 X FUSED SPUR UNITS	1
FEEDER CLEATS	ANDREW	-	DOUBLE CLEATS	20
MICROCELL (3G)	NOKIA	FLEXI MODULES FLOOR MOUNTED	1No. RF MODULE & 1No. SYSTEM MODULE	2
TRUNKING	TBC	50x50	50x50 GALVANISED STEEL TRUNKING	5m
MEAS	ALIFABS	6U	6U WALL BRACKET	1
1U POWER SUPPLY	ELTEK	MINI PACK	1.6KW SYSTEM C/W DC DISTRIBUTION & CONTROLLER AND 16A DC MCB	1

ANTENNA AND FEEDER KEY						
No.	SECTOR	ANTENNA TYPE	LOCATION	APPROX HEIGHT	FEEDER LENGTH	FEEDER TYPE
A1	3G	JAYBEAM 7824-400	GOWER STREET	5.0m	20m x 2	LDF4-50J

BILL OF MATERIALS

C	Detailed Elevation added	SM	AN	22.09.14
B	Antenna fixing details added	JE	SDR	11.07.14
A	Issued for Approval	SdP	AE	11.03.14
REV	MODIFICATION	BY	CH	DATE



Cell Name | Opt.
85 GOWER STREET | A

CTIL Reference | O2 CSR
141281 | (TEF) 008350

Site Address / Contact Details
85 GOWER STREET
BLOOMSBURY
LONDON
WC1E 6HT

Drawing Title:
BILL OF MATERIALS

Purpose of issue:
SURVEY DETAIL

Drawing Number:
600

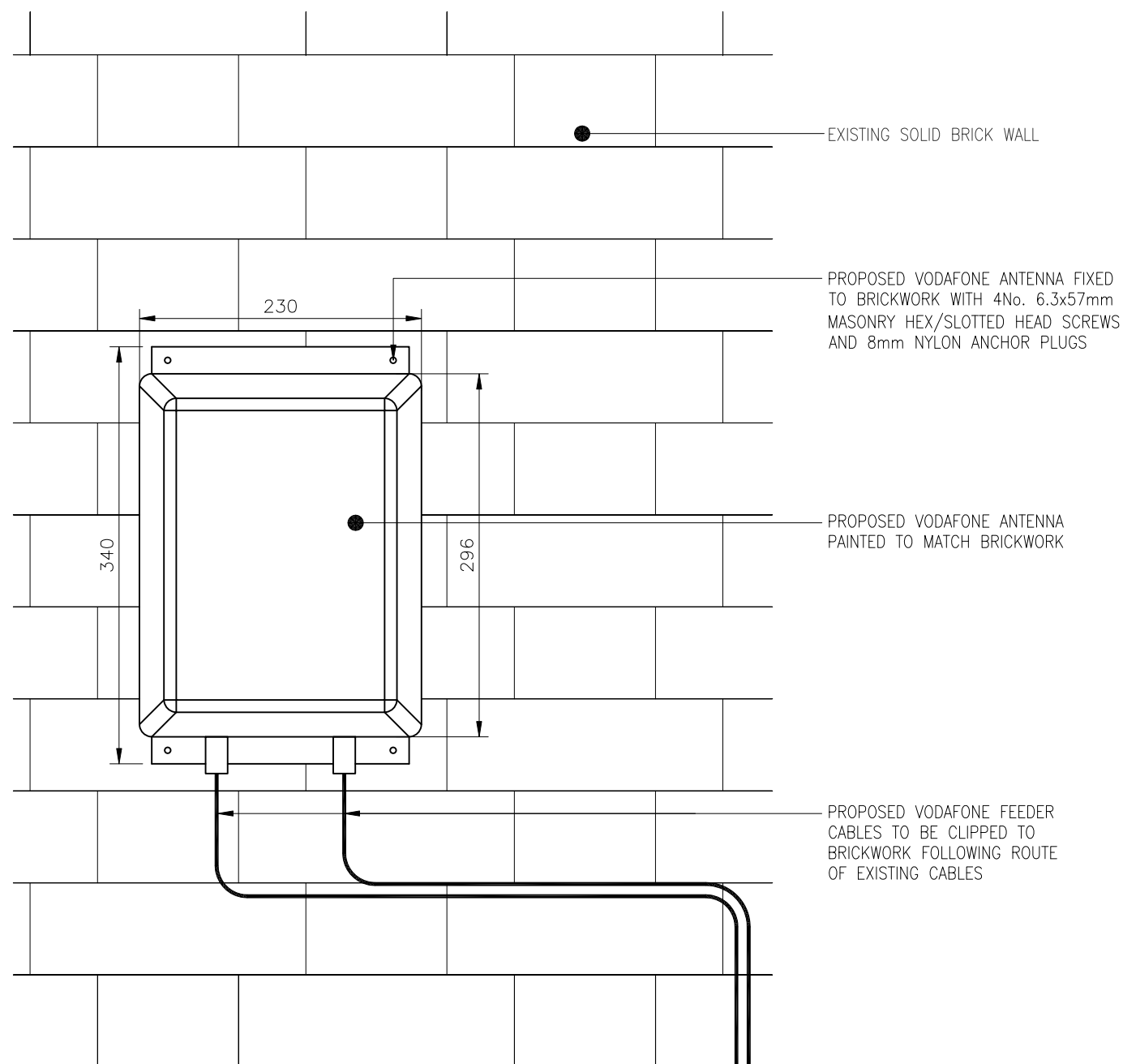
Surveyed By: PB	Original Sheet Size: A3	Issue: C
Drawn: SdP	Date: 11.03.14	Checked: AE
Date: 11.03.14	Date: 11.03.14	

ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

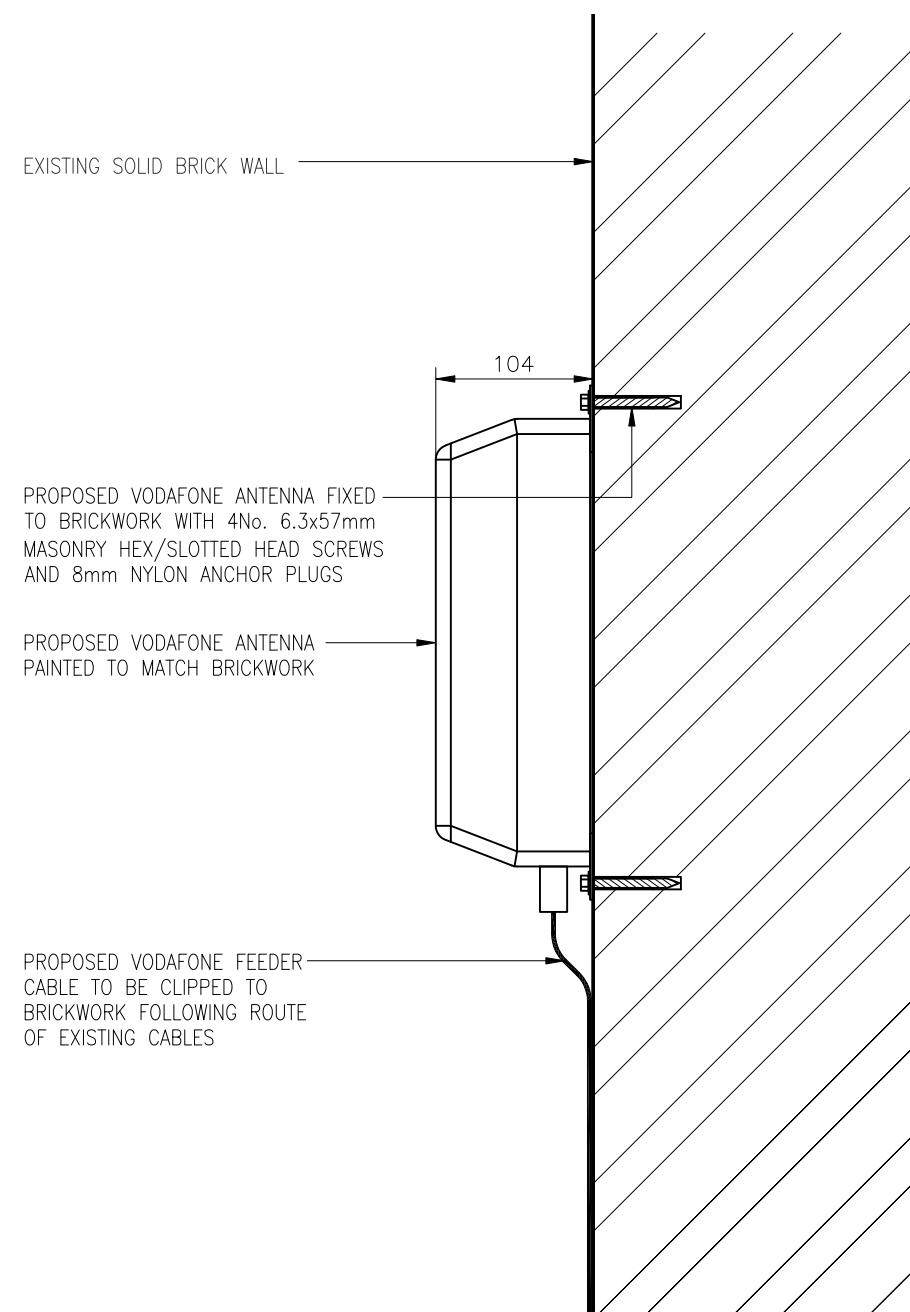
N.G.R | E: 529648 | N: 182039

CONCESSION REQUIRED | NO

NOTES:

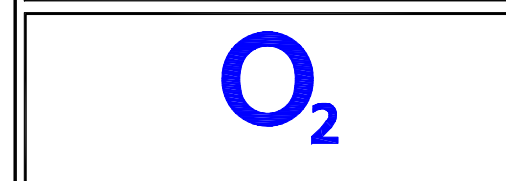


PROPOSED DETAILED ANTENNA ELEVATION
(1:5)



PROPOSED ANTENNA SECTION
(1:5)

REV	MODIFICATION	BY	CH	DATE
B	Detailed Elevation added	SM	AN	22.09.14
A	Issued for Approval	JE	SDR	09.07.14



Cell Name	Opt.
85 GOWER STREET	A

CTIL Reference	O2 CSR
----------------	--------

(TEF) 008350

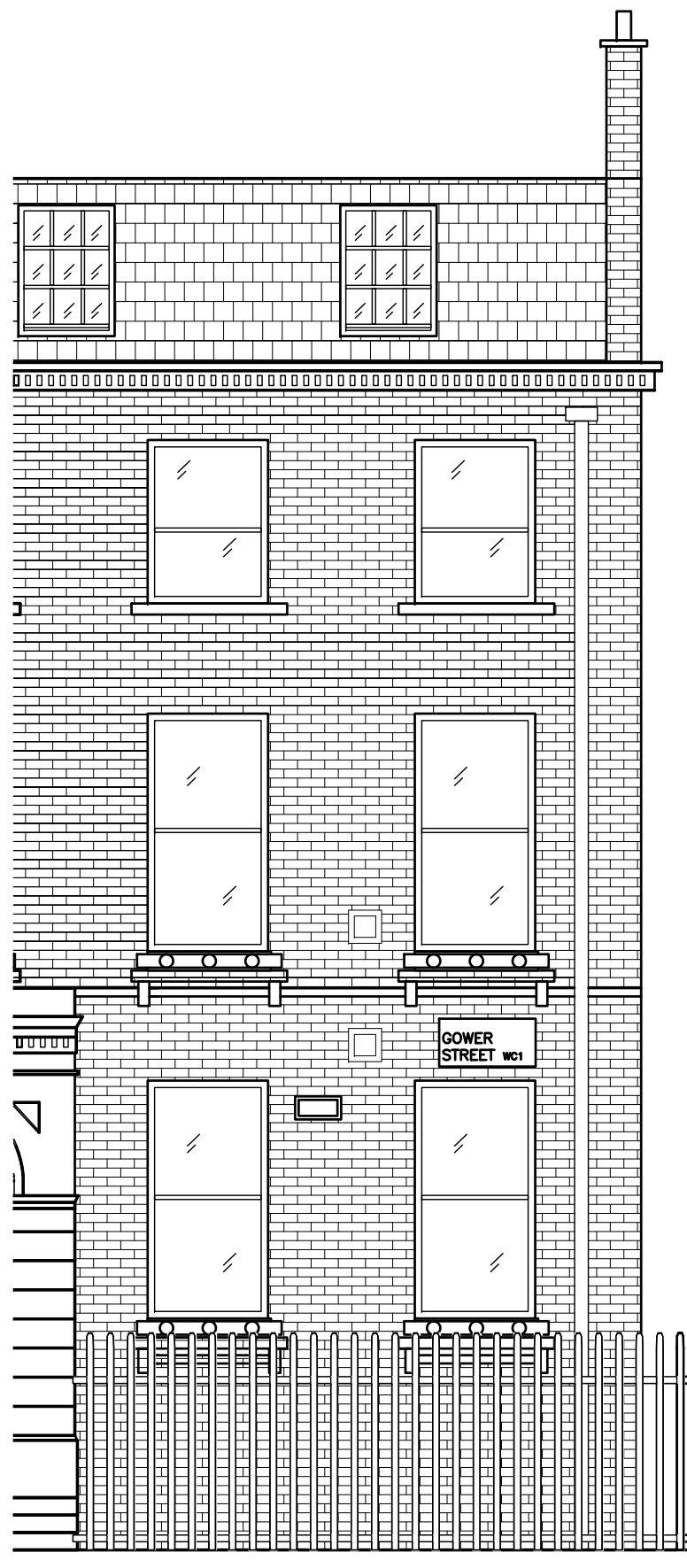
Site Address / Contact Details
85 GOWER STREET BLOOMSBURY LONDON WC1E 6HT

Drawing Title:	ANTENNA FIXING DETAILS
----------------	------------------------

Purpose of issue:	SURVEY DETAIL
-------------------	---------------

Drawing Number:	600
-----------------	-----

Surveyed By:	TM	Original Sheet Size:	A3	Issue:	B
Drawn:	JE	Date:	09.07.14	Checked:	SDR
		Date:	09.07.14		



EXISTING ELEVATION
(1:50)



PROPOSED ELEVATION
(1:50)

PROPOSED 3G BELLBOX ANTENNA
A1 LOCATION.
PAINTED TO MATCH BRICKWORK

PROPOSED ANTENNA HEIGHT
+5.0m AGL

EXISTING 2G BELLBOX
ANTENNA LOCATION

EXISTING 2G BELLBOX
ANTENNA LOCATION

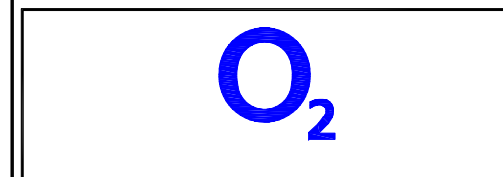
ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE

N.G.R | E: 529648 | N: 182039

CONCESSION REQUIRED | NO

NOTES:

REV	Issued for Approval	SM	AN	22.09.14
	MODIFICATION	BY	CH	DATE



Cell Name	Opt.
85 GOWER STREET	A

CTIL Reference	O2 CSR
----------------	--------

141281	(TEF) 008350
--------	--------------

Site Address / Contact Details
85 GOWER STREET BLOOMSBURY LONDON WC1E 6HT

Drawing Title:	DETAILED ELEVATION
----------------	--------------------

Purpose of issue:	SURVEY DETAIL
-------------------	---------------

Drawing Number:	602
-----------------	-----

Surveyed By:	PB	Original Sheet Size:	A3	Issue:	A
Drawn:	SM	Date:	22.09.14	Checked:	AE
		Date:	22.09.14		