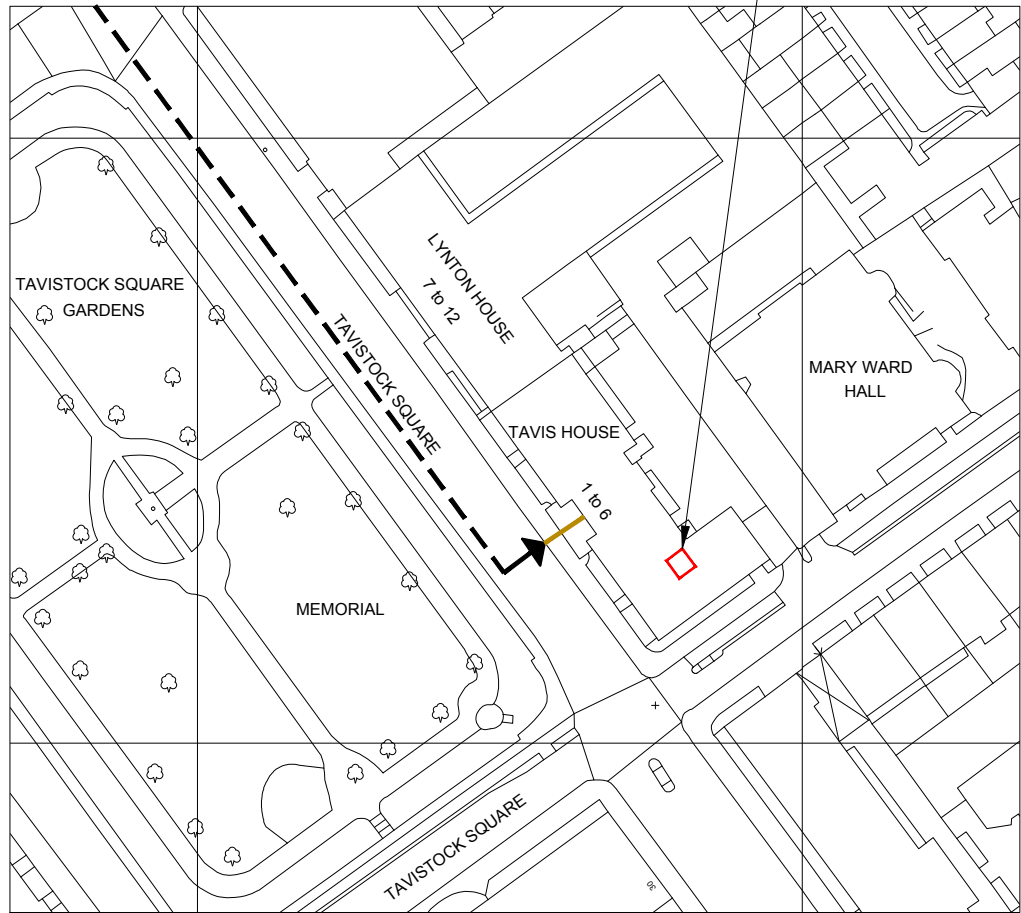


SITE LOCATION



SITE LOCATION (SCALE 1:1250)

THESE DRAWINGS COMPLY WITH STANDARD ICNIRP DESIGN GUIDELINES.



SITE LOCATION



SITE LOCATION (SCALE 1:50000)

GENERAL NOTES:

- 1.1) USE WRITTEN DIMENSIONS ONLY
1.2) ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED
1.3) ASSUME ALL SITE DETAILS ARE EXISTING UNLESS SPECIFIED

DEPENDENCIES	
CHERRY PICKER SURVEY	NO
STAT SEARCH	NO
TRIAL DIG	NO
GEOTECH	NO
DJC	NO
BOLT PULL-OUT TEST	NO
STRUCTURAL CALCULATIONS	YES
BUILDING REGULATIONS	YES
ELECTRICAL LOAD TEST	YES
REC SERVICE ALTERATION	NO
COMMS SERVICE ALTERATION	NO
ASBESTOS SURVEY	NO
ANTENNA TESTING	NO
COOLING CALCULATIONS	NO

G	ANTENNA ORIENTATIONS REVISED	03.07.17	DI	GD
F	ANTENNAS AND SUPPORT STEELWORK RELOCATED	30.06.17	DI	GD
E	NORTH WEST ELEVATION ADDED	04.04.17	GB	GD
D	EQUIPMENT SUPPORT DETAILS AMENDED	04.01.17	GB	GD
C	VF SCHEMATIC UPDATED	16.12.16	NP	GD
B	CABINETS POSITION REVISED. BEARINGS REVISED	13.12.16	NP	GD
A	FIRST ISSUE	07.12.16	KJS	DJ
REV	ISSUE	DATE	DRN	APP

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NET COVERAGE SOLUTIONS
CRAVEN COURT
STANHOPE ROAD
CAMBERLEY
SURREY GU15 3BS

TEL: +44(0)1276 854440
FAX: +44(0)1276 854450

vodafone

CTIL

OPERATOR REF NO. CTILid:234171 TEF:78556 VF:13828

OPERATOR: CTIL

DRAWING TITLE: SITE LOCATION MAPS

SCALE: AS SHOWN

SITE NO. 13828

SITE NAME: TAVIS HOUSE

SITE ADDRESS: 1-6 TAVISTOCK SQUARE
LONDON
WC1H 9NB

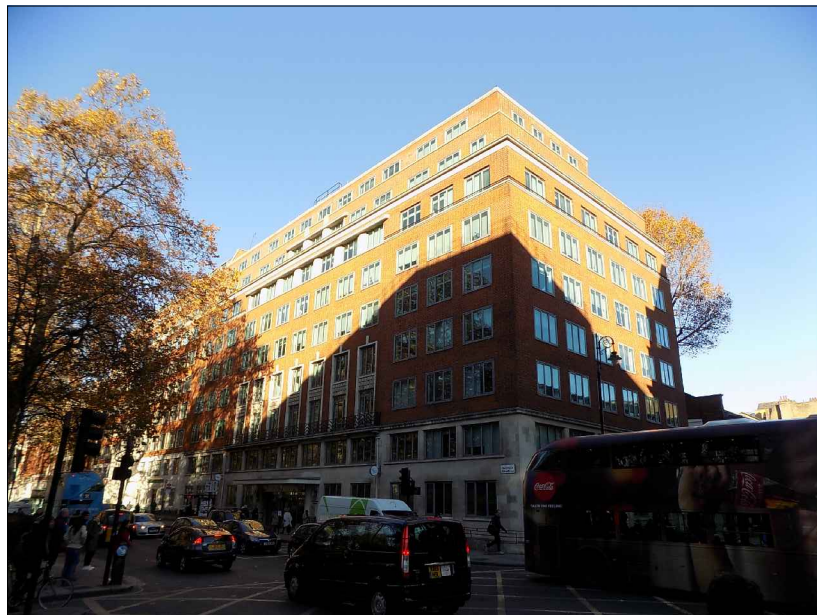
OS GRID REFERENCE:
529966/182336

DRAWN: KJS CHK: DJ APP: DJ

DATE: 07.12.16

SITE NO.	OPERATOR	DRG NO.	REVISION
13828	- CTIL -	100	- G

ORIGINAL DRAWING SIZE: A3

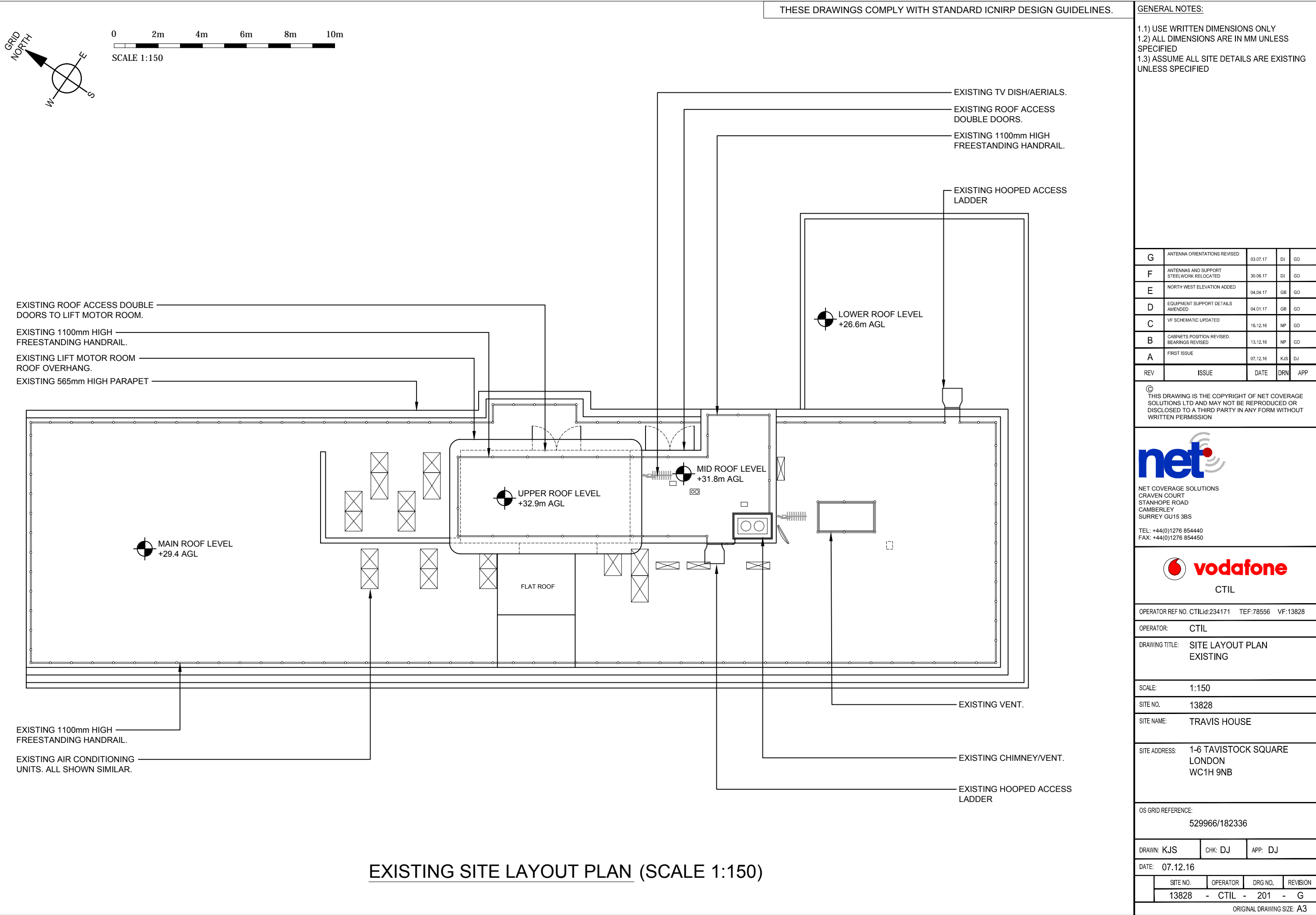


LOCATION PHOTOGRAPH

DIRECTIONS TO SITE:

HEADING EAST ON THE M40

CONTINUE ONTO WESTERN AVE/A40, AND FOLLOW FOR APPROX. 15 MILES, THEN CONTINUE ONTO MARYLEBONE ROAD/A501. KEEP RIGHT TO CONTINUE ON EUSTON RD/A501. TURN RIGHT ONTO UPPER WOBURN PI A4200, AFTER 0.2 MILES SITE IS LOCATED ON YOUR LEFT.



GENERAL NOTES:

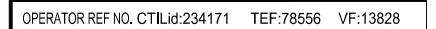
G	ANTENNA ORIENTATIONS REVISED	03.07.17	DI	GD
F	ANTENNAS AND SUPPORT STEELWORK RELOCATED	30.06.17	DI	GD
E	NORTH WEST ELEVATION ADDED	04.04.17	GB	GD
D	EQUIPMENT SUPPORT DETAILS AMENDED	04.01.17	GB	GD
C	VF SCHEMATIC UPDATED	16.12.16	NP	GD
B	CABINETS POSITION REVISED. BEARINGS REVISED	13.12.16	NP	GD
A	FIRST ISSUE	07.12.16	KJS	DJ
REV	ISSUE	DATE	DRN	APP



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STANHOPE ROAD
CAMBERLEY
SURREY GU15 3BS

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FAX: +44(0)1276 854450



DRAWING TITLE: SITE LAYOUT PLAN
PROPOSED

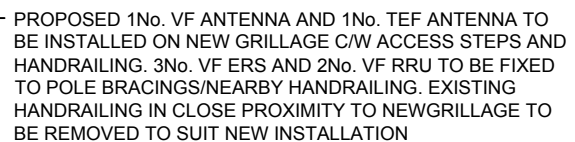
SITE NO.	13828
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SITE ADDRESS: 1-6 TAVISTOCK SQUARE
LONDON
WC1H 9NB

DRAWN: KJS	CHK: DJ	APP: DJ
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SITE NO.	OPERATOR	DRG NO.	REVISION
13828	- CTIL -	202	- G

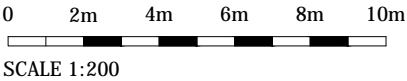
PROPOSED SITE LAYOUT PLAN (SCALE 1:150)



THESE DRAWINGS COMPLY WITH STANDARD ICNIRP DESIGN GUIDELINES.

GENERAL NOTES:

- 1.1) USE WRITTEN DIMENSIONS ONLY
1.2) ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED
1.3) ASSUME ALL SITE DETAILS ARE EXISTING UNLESS SPECIFIED



EXISTING 1100mm HIGH
FREESTANDING HANDRAIL.

EXISTING LIFT MOTOR ROOM
ROOF OVERHANG.

EXISTING 1100mm HIGH
FREESTANDING HANDRAIL.

EXISTING 565mm HIGH PARAPET

UPPER ROOF LEVEL
+32.9m AGL

MID ROOF LEVEL
+31.8m AGL

EXISTING 1100mm HIGH
FREESTANDING HANDRAIL.

EXISTING HOOPED ACCESS
LADDER

EXISTING CHIMNEY/VENT.

MAIN ROOF LEVEL
+29.4m AGL

LOWER ROOF LEVEL
+26.6m AGL

G.L.

EXISTING SOUTH WEST ELEVATION (SCALE 1:200)

G	ANTENNA ORIENTATIONS REVISED	03.07.17	DI	GD
F	ANTENNAS AND SUPPORT STEELWORK RELOCATED	30.06.17	DI	GD
E	NORTH WEST ELEVATION ADDED	04.04.17	GB	GD
D	EQUIPMENT SUPPORT DETAILS AMENDED	04.01.17	GB	GD
C	VF SCHEMATIC UPDATED	16.12.16	NP	GD
B	CABINET'S POSITION REVISED. BEARINGS REVISED	13.12.16	NP	GD
A	FIRST ISSUE	07.12.16	KJS	DJ
REV	ISSUE	DATE	DRN	APP

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CRAVEN COURT
STANHOPE ROAD
CAMBERLEY
SURREY GU15 3BS

TEL: +44(0)1276 854440
FAX: +44(0)1276 854450



CTIL

OPERATOR REF NO. CTILid:234171 TEF:78556 VF:13828

OPERATOR: CTIL

DRAWING TITLE: SOUTH WEST ELEVATION
EXISTING

SCALE: 1:200

SITE NO. 13828

SITE NAME: TAVIS HOUSE

SITE ADDRESS: 1-6 TAVISTOCK SQUARE
LONDON
WC1H 9NB

OS GRID REFERENCE:
529966/182336

DRAWN: KJS CHK: DJ APP: DJ

DATE: 07.12.16

SITE NO.	OPERATOR	DRG NO.	REVISION
13828	- CTIL -	301	- G

ORIGINAL DRAWING SIZE: A3

THESE DRAWINGS COMPLY WITH STANDARD ICNIRP DESIGN GUIDELINES.

GENERAL NOTES:

- 1.1) USE WRITTEN DIMENSIONS ONLY
1.2) ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED
1.3) ASSUME ALL SITE DETAILS ARE EXISTING UNLESS SPECIFIED

0 2m 4m 6m 8m 10m

SCALE 1:200

PROPOSED 1No. VF ANTENNA AND 1No. TEF ANTENNA TO BE INSTALLED ON NEW GRILLAGE C/W ACCESS STEPS AND HANDRAILING. 3No. VF ERS AND 2No. VF RRU TO BE FIXED TO POLE BRACINGS/NEARBY HANDRAILING. EXISTING HANDRAILING IN CLOSE PROXIMITY TO NEW GRILLAGE TO BE REMOVED TO SUIT NEW INSTALLATION

PROPOSED 1No. VF ANTENNA AND 1No. TEF ANTENNA TO BE INSTALLED ON NEW GRILLAGE C/W ACCESS STEPS AND HANDRAILING. 3No. VF ERS AND 2No. VF RRU TO BE FIXED TO POLE BRACINGS/NEARBY HANDRAILING. EXISTING HANDRAILING IN CLOSE PROXIMITY TO NEW GRILLAGE TO BE REMOVED TO SUIT NEW INSTALLATION

EXISTING 1100mm HIGH FREESTANDING HANDRAIL.

UPPER ROOF LEVEL
+32.9m AGL

EXISTING LIFT MOTOR ROOM ROOF OVERHANG.

EXISTING 1100mm HIGH FREESTANDING HANDRAIL.

MAIN ROOF LEVEL
+29.4m AGL

MID ROOF LEVEL
+31.8m AGL

TOP OF ANTENNAS
+34.4m AGL

U/S OF ANTENNAS
+32.4m AGL

LOWER ROOF LEVEL
+26.6m AGL

PROPOSED REMOVAL & REPLACEMENT OF EXISTING HOOPED ACCESS LADDER

G.L.

PROPOSED SOUTH WEST ELEVATION (SCALE 1:200)

G	ANTENNA ORIENTATIONS REVISED	03.07.17	DI	GD
F	ANTENNAS AND SUPPORT STEELWORK RELOCATED	30.06.17	DI	GD
E	NORTH WEST ELEVATION ADDED	04.04.17	GB	GD
D	EQUIPMENT SUPPORT DETAILS AMENDED	04.01.17	GB	GD
C	VF SCHEMATIC UPDATED	16.12.16	NP	GD
B	CABINETS POSITION REVISED. BEARINGS REVISED	13.12.16	NP	GD
A	FIRST ISSUE	07.12.16	KJS	DJ
REV	ISSUE	DATE	DRN	APP

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NET COVERAGE SOLUTIONS
CRAVEN COURT
STANHOPE ROAD
CAMBERLEY
SURREY GU15 3BS

TEL: +44(0)1276 854440
FAX: +44(0)1276 854450



CTIL

OPERATOR REF NO. CTILid:234171 TEF:78556 VF:13828

OPERATOR: CTIL

DRAWING TITLE: SOUTH WEST ELEVATION PROPOSED

SCALE: 1:200

SITE NO. 13828

SITE NAME: TAVIS HOUSE

SITE ADDRESS: 1-6 TAVISTOCK SQUARE
LONDON
WC1H 9NB

OS GRID REFERENCE:
529966/182336

DRAWN: KJS CHK: DJ APP: DJ

DATE: 07.12.16

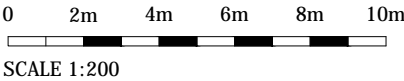
SITE NO.	OPERATOR	DRG NO.	REVISION
13828	- CTIL -	302	- G

ORIGINAL DRAWING SIZE: A3

THESE DRAWINGS COMPLY WITH STANDARD ICNIRP DESIGN GUIDELINES.

GENERAL NOTES:

- 1.1) USE WRITTEN DIMENSIONS ONLY
1.2) ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED
1.3) ASSUME ALL SITE DETAILS ARE EXISTING UNLESS SPECIFIED



EXISTING 1100mm HIGH
FREESTANDING HANDRAIL.

EXISTING CHIMNEY/VENT.

MID ROOF LEVEL
+31.8m AGL

MAIN ROOF LEVEL
+29.4m AGL

LOWER ROOF LEVEL
+26.6m AGL

UPPER ROOF LEVEL
+32.9m AGL

EXISTING 1100mm HIGH
FREESTANDING HANDRAIL.

EXISTING LIFT MOTOR ROOM
ROOF OVERHANG.

EXISTING 1100mm HIGH
FREESTANDING HANDRAIL.

EXISTING 565mm HIGH PARAPET

G	ANTENNA ORIENTATIONS REVISED	03.07.17	DI	GD
F	ANTENNAS AND SUPPORT STEELWORK RELOCATED	30.06.17	DI	GD
E	NORTH WEST ELEVATION ADDED	04.04.17	GB	GD
D	NOT ISSUED			
C	NOT ISSUED			
B	NOT ISSUED			
A	NOT ISSUED			
REV	ISSUE	DATE	DRN	APP

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CRAVEN COURT
STANHOPE ROAD
CAMBERLEY
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TEL: +44(0)1276 854440
FAX: +44(0)1276 854450



CTIL

OPERATOR REF NO. CTILid:234171 TEF:78556 VF:13828

OPERATOR: CTIL

DRAWING TITLE: NORTH EAST ELEVATION
EXISTING

SCALE: 1:200

SITE NO. 13828

SITE NAME: TAVIS HOUSE

SITE ADDRESS: 1-6 TAVISTOCK SQUARE
LONDON
WC1H 9NB

OS GRID REFERENCE:
529966/182336

DRAWN: KJS CHK: DJ APP: DJ

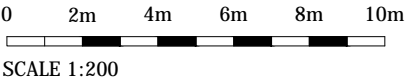
DATE: 07.12.16

SITE NO.	OPERATOR	DRG NO.	REVISION
13828	- CTIL -	303	- G

ORIGINAL DRAWING SIZE: A3

EXISTING NORTH EAST ELEVATION (SCALE 1:200)

THESE DRAWINGS COMPLY WITH STANDARD ICNIRP DESIGN GUIDELINES.



EXISTING CHIMNEY/VENT.

PROPOSED 1No. VF ANTENNA AND 1No. TEF ANTENNA TO BE INSTALLED ON NEW GRILLAGE C/W ACCESS STEPS AND HANDRAILING. 3No. VF ERS AND 2No. VF RRU TO BE FIXED TO POLE BRACINGS/NEARBY HANDRAILING. EXISTING HANDRAILING IN CLOSE PROXIMITY TO NEW GRILLAGE TO BE REMOVED TO SUIT NEW INSTALLATION

EXISTING 565mm HIGH PARAPET

PROPOSED 1No. CSC ENCLOSURE c/w TRANSMISSION ON NEW MAFI 8051 SUPPORT FRAME.

PROPOSED ELTEK O/D PSU c/w PROPOSED TRANSMISSION ON NEW MAFI 8051 SUPPORT FRAME.

PROPOSED ROOFTOP DISTRIBUTION ENCLOSURE MOUNTED ON UNISTRUT FIXED TO ON NEW MAFI 8051 SUPPORT FRAME. POWER TO BE TAKEN FROM LANDLORDS DB WITHIN BUILDING.

PROPOSED 2No. NSN O/D FPF ON NEW MAFI 8051 SUPPORT FRAME.

TOP OF ANTENNAS
+34.4m AGL

U/S OF ANTENNAS
+32.4m AGL

MID ROOF LEVEL
+31.8m AGL

LOWER ROOF LEVEL
+26.6m AGL

UPPER ROOF LEVEL
+32.9m AGL

PROPOSED 1No. VF ANTENNA AND 1No. TEF ANTENNA TO BE INSTALLED ON NEW GRILLAGE C/W ACCESS STEPS AND HANDRAILING. 3No. VF ERS AND 2No. VF RRU TO BE FIXED TO POLE BRACINGS/NEARBY HANDRAILING. EXISTING HANDRAILING IN CLOSE PROXIMITY TO NEW GRILLAGE TO BE REMOVED TO SUIT NEW INSTALLATION

EXISTING 1100mm HIGH FREESTANDING HANDRAIL.

EXISTING LIFT MOTOR ROOM ROOF OVERHANG.

EXISTING 1100mm HIGH FREESTANDING HANDRAIL.

PROPOSED ACCESS LADDER WITH FALL ARREST

MAIN ROOF LEVEL
+29.4m AGL

GENERAL NOTES:

- 1.1) USE WRITTEN DIMENSIONS ONLY
1.2) ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED
1.3) ASSUME ALL SITE DETAILS ARE EXISTING UNLESS SPECIFIED

G	ANTENNA ORIENTATIONS REVISED	03.07.17	DI	GD
F	ANTENNAS AND SUPPORT STEELWORK RELOCATED	30.06.17	DI	GD
E	NORTH WEST ELEVATION ADDED	04.04.17	GB	GD
D	NOT ISSUED			
C	NOT ISSUED			
B	NOT ISSUED			
A	NOT ISSUED			

REV	ISSUE	DATE	DRN	APP

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CRAVEN COURT
STANHOPE ROAD
CAMBERLEY
SURREY GU15 3BS

TEL: +44(0)1276 854440
FAX: +44(0)1276 854450



CTIL

OPERATOR REF NO. CTILid:234171 TEF:78556 VF:13828

OPERATOR: CTIL

DRAWING TITLE: ELEVATION
PROPOSED

SCALE: 1:200

SITE NO. 13828

SITE NAME: TAVIS HOUSE

SITE ADDRESS: 1-6 TAVISTOCK SQUARE
LONDON
WC1H 9NB

OS GRID REFERENCE:
529966/182336

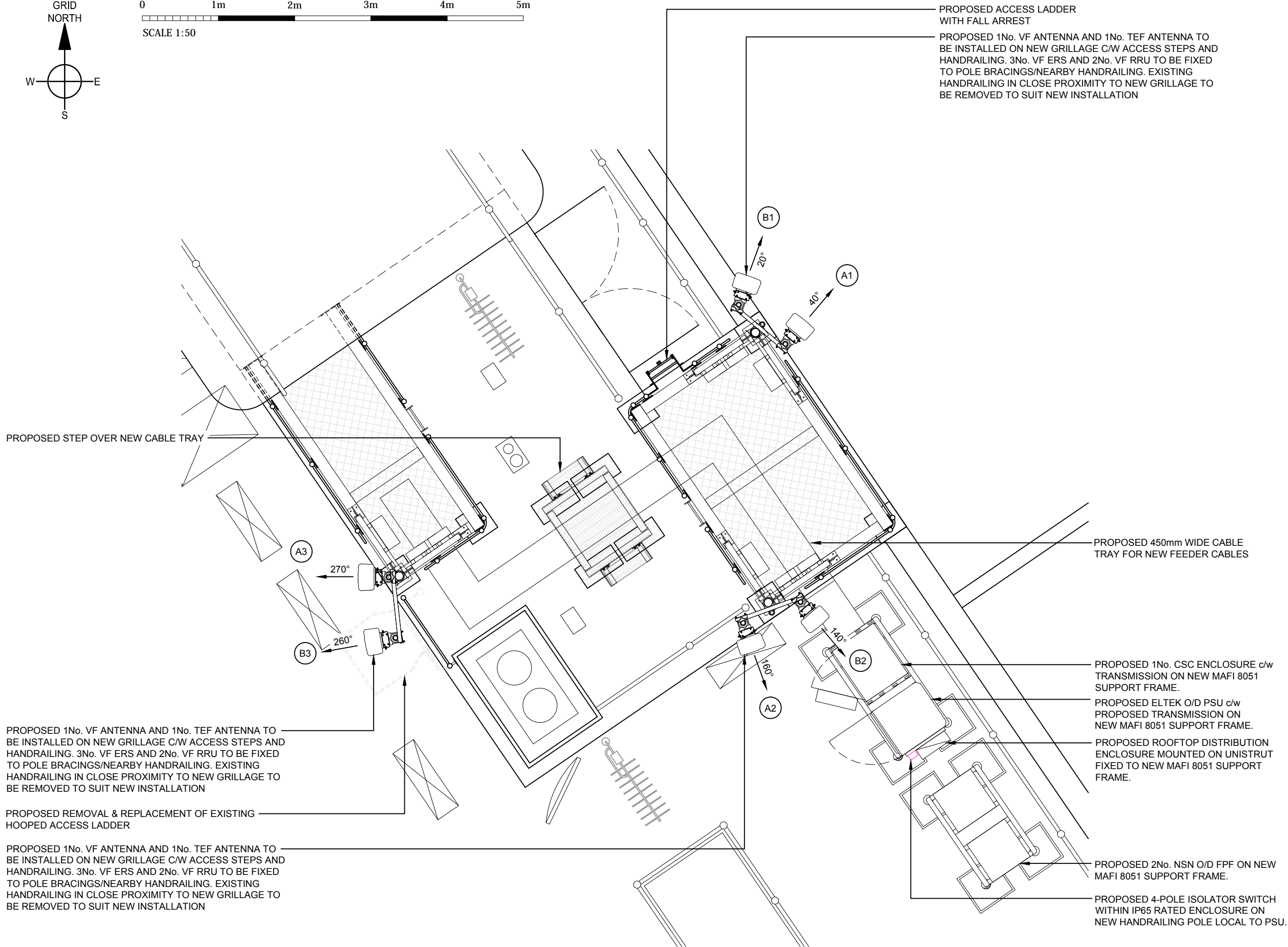
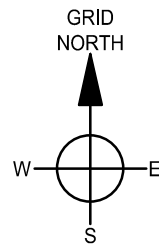
DRAWN: KJS CHK: DJ APP: DJ

DATE: 07.12.16

SITE NO.	OPERATOR	DRG NO.	REVISION
13828	- CTIL -	304	- G

ORIGINAL DRAWING SIZE: A3

PROPOSED NORTH EAST ELEVATION (SCALE 1:200)



PROPOSED ENLARGED ANTENNA & EQUIPMENT PLAN (SCALE 1:50)

GENERAL NOTES:

1.1) USE WRITTEN DIMENSIONS ONLY

1.2) ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED

1.3) ASSUME ALL SITE DETAILS ARE EXISTING UNLESS SPECIFIED

G	ANTENNA ORIENTATIONS REVISED	03.07.17	DI	GD
F	ANTENNAS AND SUPPORT STEELWORK RELOCATED	30.06.17	DI	GD
E	NORTH WEST ELEVATION ADDED	04.04.17	GB	GD
D	EQUIPMENT SUPPORT DETAILS AMENDED	04.01.17	GB	GD
C	VF SCHEMATIC UPDATED	16.12.16	NP	GD
B	CABINETS POSITION REVISED. BEARINGS REVISED	13.12.16	NP	GD
A	FIRST ISSUE	07.12.16	KJS	DJ
REV	ISSUE	DATE	DRN	APP

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CRAVEN COURT
STANHOPE ROAD
CAMBERLEY
SURREY GU15 3BS

TEL: +44(0)1276 854440
FAX: +44(0)1276 854450



CTIL

OPERATOR REF NO. CTILid:234171 TEF:78556 VF:13828

OPERATOR: CTIL

DRAWING TITLE: ENLARGED ANTENNA AND EQUIPMENT PLAN PROPOSED

SCALE: 1:50

SITE NO. 13828

SITE NAME: TAVIS HOUSE

SITE ADDRESS: 1-6 TAVISTOCK SQUARE
LONDON
WC1H 9NB

OS GRID REFERENCE:
529966/182336

DRAWN: KJS CHK: DJ APP: DJ

DATE: 07.12.16

SITE NO.	OPERATOR	DRG NO.	REVISION
13828	- CTIL -	402	- G


ORIGINAL DRAWING SIZE: A3

EXISTING & PROPOSED ANTENNA SCHEDULE (EXISTING EQUIPMENT SHOWN GREY)																													
PROPOSED & EXISTING ANTENNAS		OPERATOR	FUNCTION	FEEDER/DC/FIBRE								MHA's/RRU's/BIAS T's/JUMPERS/COMBINERS										ANTENNAS							
				LENGTH & DIAMETER (SEE GUIDANCE NOTES BELOW)				TYPE (COAX OR DC/FIBRE)	FEEDERS QTY		DC/FIBRE QTY	DC/FIBRE LENGTH	MHA NSN QTY	MHA E'SSON QTY	RRU/ERS QTY	BIAS T QTY	RRU/ERS TO ANTENNA JUMPER LENGTH (TO BE WITHIN MAX LENGTH ALLOWED AS PER CTIL DESIGN SPEC)	MHA TO ANTENNA JUMPER LENGTH (RTOPS & GFIELDS)	COMBINERS (HIGH LEVEL)	COMBINERS (LOW LEVEL IN CABINET, CABIN ETC)	ANT. REF.	ANTENNA MANUFACTURERS PART No.	BRG°	HEIGHT TO TOP (m)	HEIGHT TO U/S (m)	HEIGHT TO C/L (m)	LOCATION (POLE MOUNTED, HEADFRAME, WITHIN SHROUD ETC)	STATUS	COMMENTS
				MF1	MF(J1)	MF(J2)	TOTAL		EXTNG	PROP																			
SECTOR 1	2No. PROPOSED ANTENNAS	VF	1L08	-	-	-	-	DC/FIBRE	-	-	1	15m	-	-	1	-	2x2m	-	-	-	A1a	COMMSCOPE RYVV-65B-R4	40°	34.4m	32.4m	33.4m	SUPPORT POLE	NEW	-
		VF	1GU09	-	-	-	-	DC/FIBRE	-	-	1	15m	-	-	1	-	2x2m	-	-	-	A1b								-
		VF	1U/L21	-	-	-	-	DC/FIBRE	-	-	1	15m	-	-	1	-	4x2.0m	-	21/26	-	A1c								-
		VF	1L26	-	-	-	-	DC/FIBRE	-	-	1	15m	-	-	2	-	4x2.0m	-	21/26	-	A1d								-
		VF	1U/L21	-	-	-	-	DC/FIBRE	-	-	1	15m	-	-	2	-	4x2.0m	-	21/26	-	A1d								-
		TEF	1GU09	7⁄8"=13m	1⁄2"=1m	1⁄2"=1m	15m	COAX	-	2	-	-	-	-	-	-	-	-	-	-	B1a	COMMSCOPE CVV2NPX308.208R Q-CODE: H65DUU33WW20C10	20°	34.4m	32.4m	33.4m	SUPPORT POLE	NEW	-
		SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B1b								SPARE
		TEF	1U21	7⁄8"=13m	1⁄2"=1m	1⁄2"=1m	15m	COAX	-	2	-	-	1	-	-	-	-	-	-	-	B1c								-
		SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B1d								SPARE
		SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								B1e
SECTOR 2	2No. PROPOSED ANTENNAS	VF	2L08	-	-	-	-	DC/FIBRE	-	-	1	10m	-	-	1	-	2x2m	-	-	-	A2a	COMMSCOPE RYVV-65B-R4	160°	34.4m	32.4m	33.4m	SUPPORT POLE	NEW	-
		VF	2GU09	-	-	-	-	DC/FIBRE	-	-	1	10m	-	-	1	-	2x2m	-	-	-	A2b								-
		VF	2U/L21	-	-	-	-	DC/FIBRE	-	-	1	10m	-	-	1	-	4x2.0m	-	21/26	-	A2c								-
		VF	2L26	-	-	-	-	DC/FIBRE	-	-	1	10m	-	-	2	-	4x2.0m	-	21/26	-	A2d								-
		VF	2U/L21	-	-	-	-	DC/FIBRE	-	-	1	10m	-	-	2	-	4x2.0m	-	21/26	-	A2d								-
		TEF	2GU09	7⁄8"=8m	1⁄2"=1m	1⁄2"=1m	10m	COAX	-	2	-	-	-	-	-	-	-	-	-	-	B2a	COMMSCOPE CVV2NPX308.208R Q-CODE: H65DUU33WW20C10	140°	34.4m	32.4m	33.4m	SUPPORT POLE	NEW	-
		SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B2b								SPARE
		TEF	2U21	7⁄8"=8m	1⁄2"=1m	1⁄2"=1m	10m	COAX	-	2	-	-	1	-	-	-	-	-	-	-	B2c								-
		SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B2d								SPARE
		SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								B2e
SECTOR 3	2No. PROPOSED ANTENNAS	VF	3L08	-	-	-	-	DC/FIBRE	-	-	1	20m	-	-	1	-	2x2m	-	-	-	A3a	COMMSCOPE RYVV-65B-R4	270°	34.4m	32.4m	33.4m	SUPPORT POLE	NEW	-
		VF	3GU09	-	-	-	-	DC/FIBRE	-	-	1	20m	-	-	1	-	2x2m	-	-	-	A3b								-
		VF	3U/L21	-	-	-	-	DC/FIBRE	-	-	1	20m	-	-	1	-	4x2.0m	-	21/26	-	A3c								-
		VF	3L26	-	-	-	-	DC/FIBRE	-	-	1	20m	-	-	1	-	4x2.0m	-	21/26	-	A3c								-
		VF	3U/L21	-	-	-	-	DC/FIBRE	-	-	1	20m	-	-	2	-	4x2.0m	-	21/26	-	A3d								-
		TEF	3GU09	7⁄8"=18m	1⁄2"=1m	1⁄2"=1m	20m	COAX	-	2	-	-	-	-	-	-	-	-	-	-	B3a	COMMSCOPE CVV2NPX308.208R Q-CODE: H65DUU33WW20C10	260°	34.4m	32.4m	33.4m	SUPPORT POLE	NEW	-
		SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B3b								SPARE
		TEF	3U21	7⁄8"=18m	1⁄2"=1m	1⁄2"=1m	20m	COAX	-	2	-	-	1	-	-	-	-	-	-	-	B3c								-
		SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	B3d								SPARE
		SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								B3e


GENERAL NOTES:
1.1) USE WRITTEN DIMENSIONS ONLY
1.2) ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED
1.3) ASSUME ALL SITE DETAILS ARE EXISTING UNLESS SPECIFIED
CONCESSION REQUIRED:
CRANE LIFT REQUIRED.

G	ANTENNA ORIENTATIONS REVISED	03.07.17	DI	GD
F	ANTENNAS AND SUPPORT STEELWORK RELOCATED	30.06.17	DI	GD
E	NORTH WEST ELEVATION ADDED	04.04.17	GB	GD
D	EQUIPMENT SUPPORT DETAILS AMENDED	04.01.17	GB	GD
C	VF SCHEMATIC UPDATED	16.12.16	NP	GD
B	CABINETS POSITION REVISED. BEARINGS REVISED	13.12.16	NP	GD
A	FIRST ISSUE	07.12.16	KJS	DJ
REV	ISSUE	DATE	DRN	APP

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NET COVERAGE SOLUTIONS
CRAVEN COURT
STANHOPE ROAD
CAMBERLEY
SURREY GU15 3BS

TEL: +44(0)1276 854440
FAX: +44(0)1276 854450


CTIL

OPERATOR REF NO. CTILid:234171 TEF:78556 VF:13828

OPERATOR: CTIL

DRAWING TITLE: ANTENNA AND EQUIPMENT SCHEDULE PROPOSED

SCALE: N/A

SITE NO. 13828

SITE NAME: TAVIS HOUSE

SITE ADDRESS: 1-6 TAVISTOCK SQUARE
LONDON
WC1H 9NB

OS GRID REFERENCE:
529966/182336

DRAWN: KJS CHK: DJ APP: DJ

DATE: 07.12.16

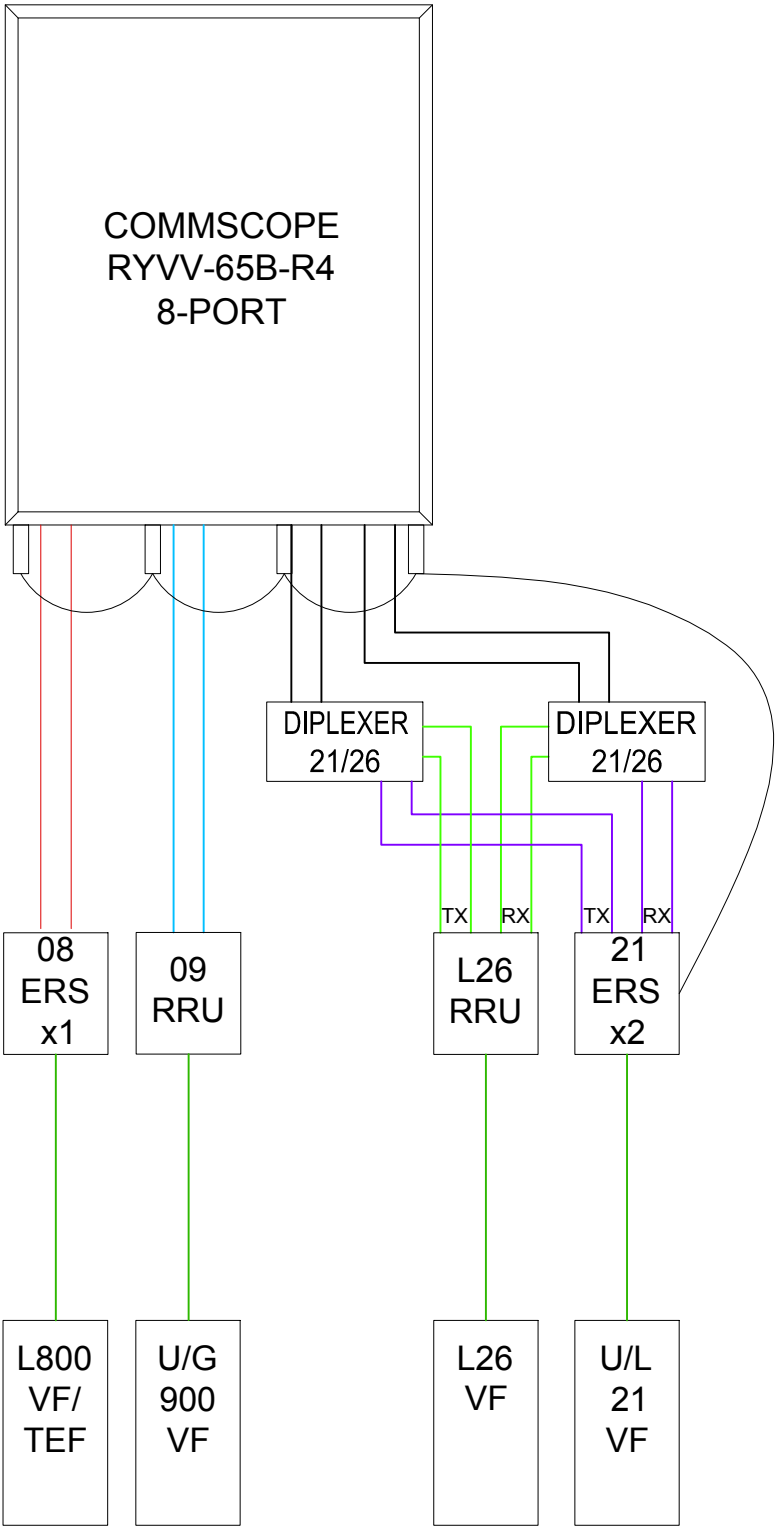
	SITE NO.	OPERATOR	DRG NO.	REVISION
	13828	- CTIL	- 501	- G

ORIGINAL DRAWING SIZE: A3

ANTENNA REFERENCE KEY		FUNCTION KEY		STATUS KEY		OPERATOR KEY		FEEDER LENGTH & DIAMETER GUIDANCE NOTES	
A=	ANTENNA GROUP (A-Z)	1=	SECTOR (2,3 etc)	NEW =	NEW ONTO SITE	VF =	VODAFONE	TOTAL DISTANCE MEASURED FROM MHA TO BTS CABINET. NOTE: FOR STREET POLES THE TOTAL IS TO INCLUDE THE $\frac{7}{8}$ FEEDER (TEF) & $\frac{1}{2}$ FEEDER (VFU21) PRE-RIGGED IN THE POLE. IF FEEDER DIAMETER VARIES THE LENGTHS ARE TO BE ITEMISED SEQUENTIALLY IN THE COLUMNS FROM THE ANTENNA MHA TO THE BTS AS FOLLOWS: MAIN FEEDER, MAIN FEEDER JUMPER 1, MAIN FEEDER JUMPER 2. TOTAL LENGTH	
1=	CELL No. (1, 2, 3)	U=	UMTS (G=GSM) (L=LTE)	EXISTING =	ON SITE AND NOT BEING MOVED	TEF =	TELEFONICA		
b=	UNIQUE BAND REFERENCE	21=	2100 BAND (09=0900,18=1800)	RE-USE =	ON SITE BUT BEING MOVED				

MX5-OPTION 5 - E_XRS_350_2610

RET CONTROLLED VIA
U2100 BTS & OR L800



VODAFONE ANTENNA SCHEMATIC

GENERAL NOTES:

1.1) USE WRITTEN DIMENSIONS ONLY
1.2) ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED
1.3) ASSUME ALL SITE DETAILS ARE EXISTING UNLESS SPECIFIED

G	ANTENNA ORIENTATIONS REVISED	03.07.17	DI	GD
F	ANTENNAS AND SUPPORT STEELWORK RELOCATED	30.06.17	DI	GD
E	NORTH WEST ELEVATION ADDED	04.04.17	GB	GD
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A	FIRST ISSUE	07.12.16	KJS	DJ
REV	ISSUE	DATE	DRN	APP

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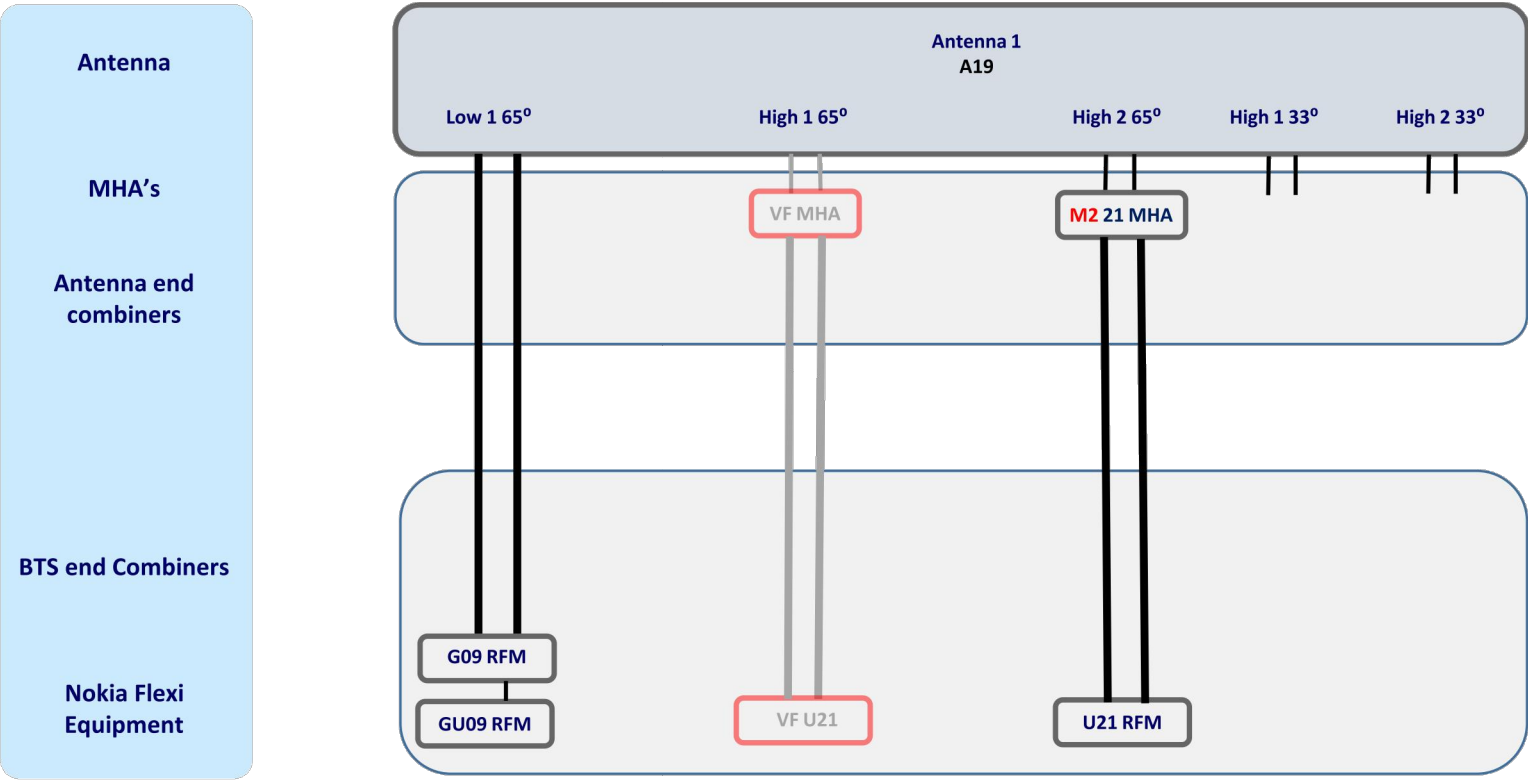
NET COVERAGE SOLUTIONS
CRAVEN COURT
STANHOPE ROAD
CAMBERLEY
SURREY GU15 3BS
TEL: +44(0)1276 854440
FAX: +44(0)1276 854450

CTIL

OPERATOR REF NO. CTILid:234171 TEF:78556 VF:13828			
OPERATOR: CTIL			
DRAWING TITLE: VODAFONE ANTENNA SCHEMATIC PROPOSED			
SCALE: N/A			
SITE NO. 13828			
SITE NAME: TAVIS HOUSE			
SITE ADDRESS: 1-6 TAVISTOCK SQUARE LONDON WC1H 9NB			
OS GRID REFERENCE: 529966/182336			
DRAWN: KJS	CHK: DJ	APP: DJ	
DATE: 07.12.16			
SITE NO.	OPERATOR	DRG NO.	REVISION
13828	- CTIL -	502	- G

ORIGINAL DRAWING SIZE: A3

London 6 Sector Working – Configuration “LGD-S-M-E1c-F” with all technologies at 3 Sector working where 6S upgrade is expected



Antenna Requirements		
Identifier	Description	Quantity
A19	Commscope Hybrid	3
A18	Commscope Dual Beam Low Band	Future

BTS end Combiner Requirements		
Identifier	Description	Quantity

Antenna end Combiner Requirements		
Identifier	Description	Quantity

MHA and SBT Requirements		
Identifier	Description	Quantity
M2	2100 MHA	3
S1	Smart Bias T	0 - RET Via U21

In Confidence - TUK and external partners less Vodafone

TEF ANTENNA SCHEMATIC

GENERAL NOTES:


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NET COVERAGE SOLUTIONS
CRAVEN COURT
STANHOPE ROAD
CAMBERLEY
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TEL: +44(0)1276 854440
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CTIL

OPERATOR REF NO. CTILid:234171 TEF:78556 VF:13828

OPERATOR: CTIL

DRAWING TITLE: TEF ANTENNA SCHEMATIC PROPOSED

SCALE: N/A

SITE NO. 13828

SITE NAME: TAVIS HOUSE

SITE ADDRESS: 1-6 TAVISTOCK SQUARE
LONDON
WC1H 9NB

OS GRID REFERENCE:
529966/182336

DRAWN: KJS	CHK: DJ	APP: DJ
------------	---------	---------

DATE: 07.12.16

SITE NO.	OPERATOR	DRG NO.	REVISION
13828	- CTIL	- 503	- G

ORIGINAL DRAWING SIZE: A3

EQUIPMENT SCHEDULE						
STATUS	OPERATOR	MANUFACTURER	TYPE	SIZE	COLOUR	COMMENTS
PROPOSED	VODAFONE	TYRONE	CSC ENCLOSURE	800x660x1770mm	RAL 7035 - LIGHT GREY	c/w PROPOSED TRANSMISSION
PROPOSED	VODAFONE	ERICSSON	MULTI-STANDARD RRU 32	306x690x178mm	RAL 7035 - LIGHT GREY	6No. REQUIRED.
PROPOSED	VODAFONE	ERICSSON	RADIO SYSTEM (ERS) 2217	298x351x127mm	RAL 7035 - LIGHT GREY	9No. REQUIRED.
PROPOSED	TEF	ELTEK	FP2 4th GEN. PSU (O/D)	700x820x1800	RAL 7035 - LIGHT GREY	c/w PROPOSED TRANSMISSION
PROPOSED	TEF	NSN	FLATPACK RACK (OD)	700x820x1800	RAL 7035 - LIGHT GREY	2No. REQUIRED

POWER SUPPLY SOURCE						
STATUS	OPERATOR	MANUFACTURER	TYPE	SIZE	COLOUR	COMMENTS
PROPOSED	-	-	-	-	-	ROOFTOP DB - SINGLE PHASE SUB-METERED LANDLORD SUPPLY

TRANSMISSION ENCLOSURE						COMMENTS
STATUS	ENCLOSURE	TRANSMISION SOLUTION MICROWAVE ONLY/FIBRE ONLY (WITH PROVIDER NAME)/ MICROWAVE + FIBRE (WITH PROVIDER NAME)	U SPACE AVAILABLE	CURRENT TRANSMISSION KIT LOCATION	PROPOSED TRANSMISSION KIT LOCATION	
PROPOSED	CSC	FIBRE (SUPPLIER TBC)	7U	-	X	
PROPOSED	ELTEK	FIBRE (SUPPLIER TBC)	15U	-	X	

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NET COVERAGE SOLUTIONS
CRAVEN COURT
STANHOPE ROAD
CAMBERLEY
SURREY GU15 3BS

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CTIL

OPERATOR REF NO. CTILid:234171 TEF:78556 VF:13828

OPERATOR: CTIL

DRAWING TITLE: EQUIPMENT SCHEDULE
PROPOSED

SCALE: N/A

SITE NO. 13828

SITE NAME: TAVIS HOUSE

SITE ADDRESS: 1-6 TAVISTOCK SQUARE
LONDON
WC1H 9NB

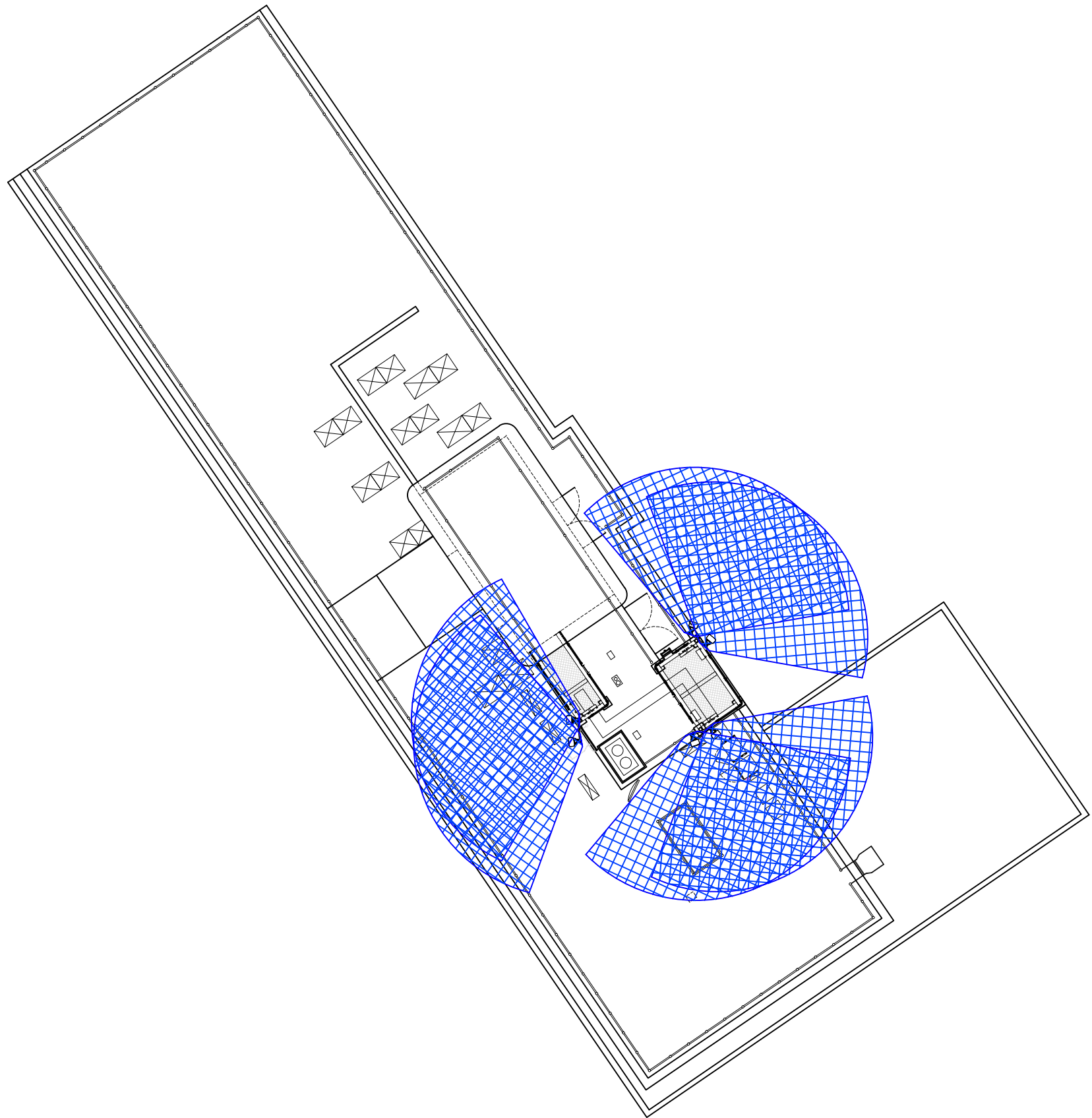
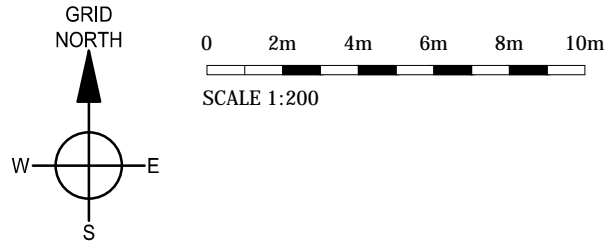
OS GRID REFERENCE:
529966/182336

DRAWN: KJS CHK: DJ APP: DJ

DATE: 07.12.16

	SITE NO.	OPERATOR	DRG NO.	REVISION
	13828	- CTIL	- 504	- G

ORIGINAL DRAWING SIZE: A3



PROPOSED ICNIRP PLAN (SCALE 1:200)

GENERAL NOTES:

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G	ANTENNA ORIENTATIONS REVISED	03.07.17	DI	GD
F	ANTENNAS AND SUPPORT STEELWORK RELOCATED	30.06.17	DI	GD
E	-	-	-	-
D	-	-	-	-
C	-	-	-	-
B	-	-	-	-
A	-	-	-	-
REV	ISSUE	DATE	DRN	APP

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NET COVERAGE SOLUTIONS
CRAVEN COURT
STANHOPE ROAD
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SURREY GU15 3BS

TEL: +44(0)1276 854440
FAX: +44(0)1276 854450



CTIL

OPERATOR REF NO. CTILid:234171 TEF:78556 VF:13828

OPERATOR: CTIL

DRAWING TITLE: ICNIRP PLAN
PROPOSED

SCALE: 1:200

SITE NO. 13828

SITE NAME: TAVIS HOUSE

SITE ADDRESS: 1-6 TAVISTOCK SQUARE
LONDON
WC1H 9NB

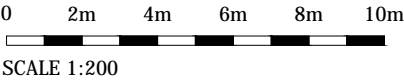
OS GRID REFERENCE:
529966/182336

DRAWN: DI CHK: CT APP: CT

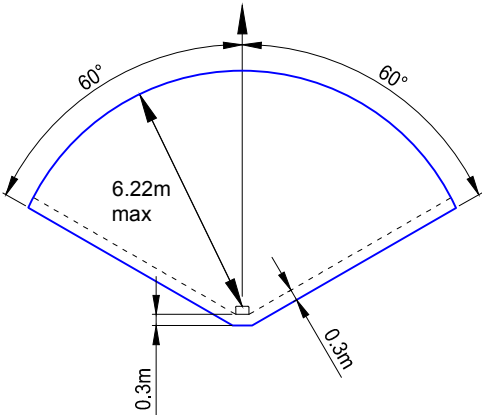
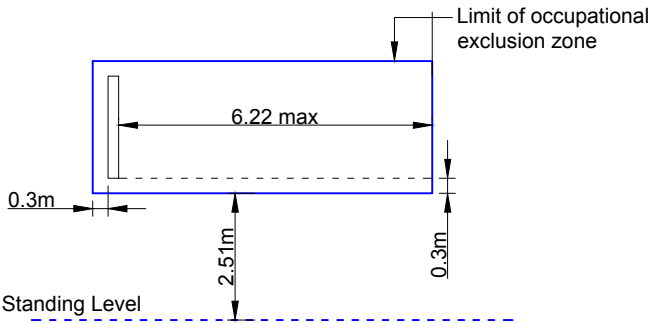
DATE: 30.06.17

SITE NO.	OPERATOR	DRG NO.	REVISION
13828	- CTIL -	801	- G

ORIGINAL DRAWING SIZE: A3



PROPOSED ICNIRP ELEVATION (SCALE 1:200)



BEACON OCCUPATIONAL EXCLUSION
ZONE WOODFORD (NTS)

- GENERAL NOTES:
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 - 1.2) ALL DIMENSIONS ARE IN MM UNLESS SPECIFIED
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G	ANTENNA ORIENTATIONS REVISED	03.07.17	DI	GD
F	ANTENNAS AND SUPPORT STEELWORK RELOCATED	30.06.17	DI	GD
E	-	-	-	-
D	-	-	-	-
C	-	-	-	-
B	-	-	-	-
A	-	-	-	-
REV	ISSUE	DATE	DRN	APP

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CRAVEN COURT
STANHOPE ROAD
CAMBERLEY
SURREY GU15 3BS

TEL: +44(0)1276 854440
FAX: +44(0)1276 854450



CTIL

OPERATOR REF NO. CTILid:234171 TEF:78556 VF:13828

OPERATOR: CTIL

DRAWING TITLE: ICNIRP ELEVATIONS
AND DETAILS PROPOSED

SCALE: 1:200

SITE NO. 13828

SITE NAME: TAVIS HOUSE

SITE ADDRESS: 1-6 TAVISTOCK SQUARE
LONDON
WC1H 9NB

OS GRID REFERENCE:
529966/182336

DRAWN: DI CHK: CT APP: CT

DATE: 30.06.17

SITE NO.	OPERATOR	DRG NO.	REVISION
13828	- CTIL -	802	- G

ORIGINAL DRAWING SIZE: A3