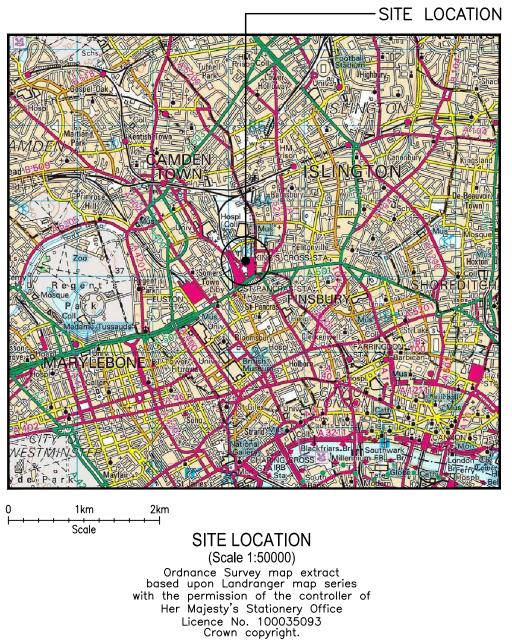
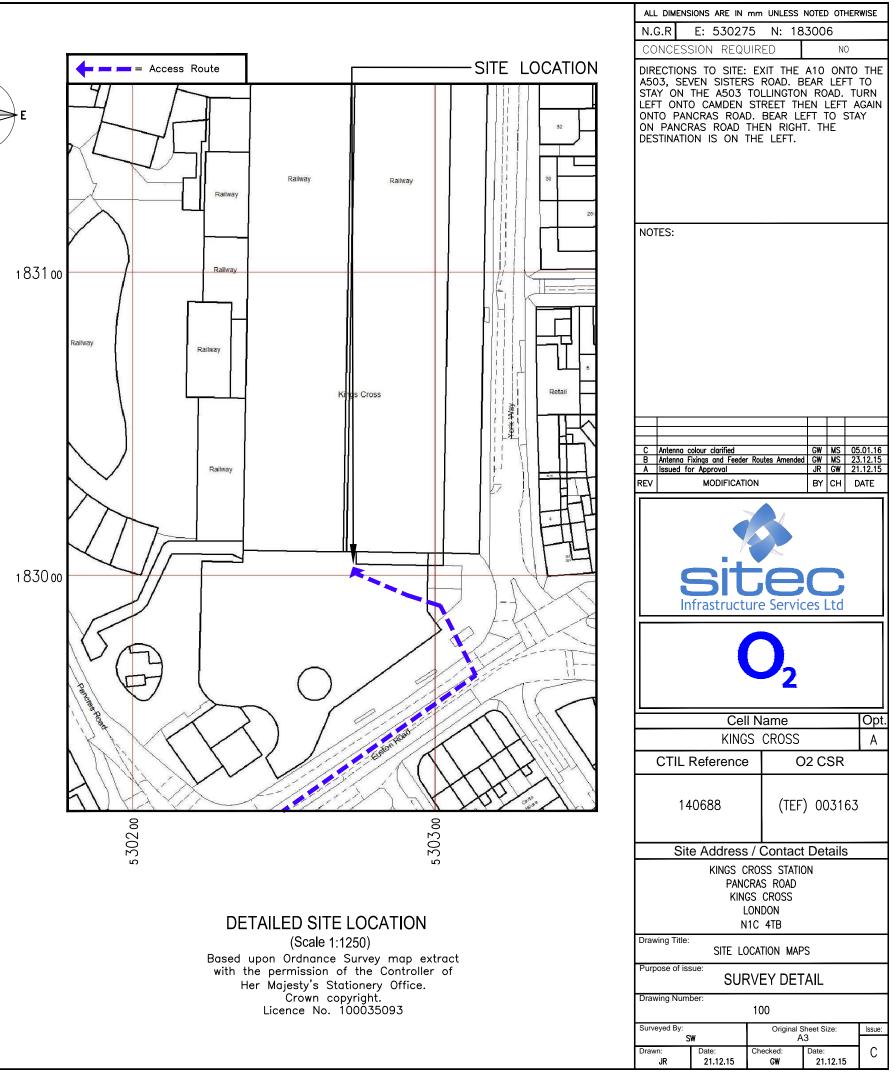
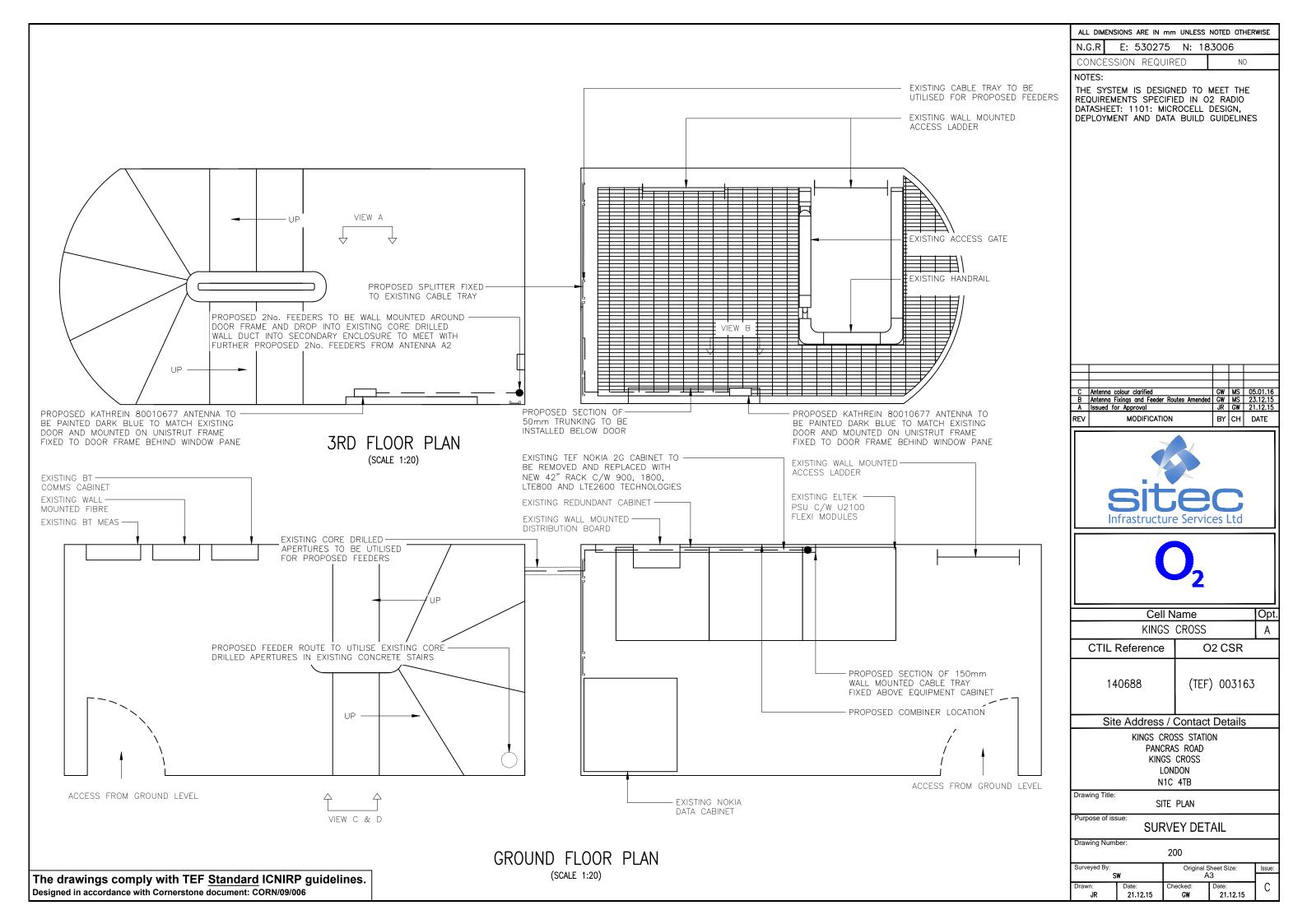
		0	2 Micı	rocell				Option:
	Cell Name:		KINGS CI	ROSS				Α
	CTIL Reference	02 C	SR	Site Addre	ss Kings	S CROSS S	TATION	
Sitec Infrastructure Services Ltd	140688	00316	63		P/	ANCRAS RO (INGS CROS LONDON N1C 4TB	AD	
		Date	Date	Date	Date	Date	Date	Date
Drawing Name	Drawing No	21.12.15	23.12.15	05.01.16				
		1st Issue	Revision	Revision	Revision	Revision	Revision	Revision
Site Location Maps	100	А	В	С				
Site Plan	200	А	В	С				
Site Elevation (Station View)	300	А	В	С				
Internal Elevation 1	301	А	В	С				
Internal Elevation 2	302	А	В	С				
Site Photographs	400	А	В	С				
System Schematic	500	А	В	С				
Bill of Materials	600	А	В	С				
		_						
		_						
		_						
Company	Name	lssued				1		
Sitec Infrastructure Services	A&P	\checkmark	\checkmark	 ✓ 				
Sitec Infrastructure Services	Design	✓	 ✓ 	 ✓ 				
CTIL								
02 — Radio Planner	Kamran Ahmed							
САМ	Garry MacGregor	\checkmark	\checkmark	\checkmark				

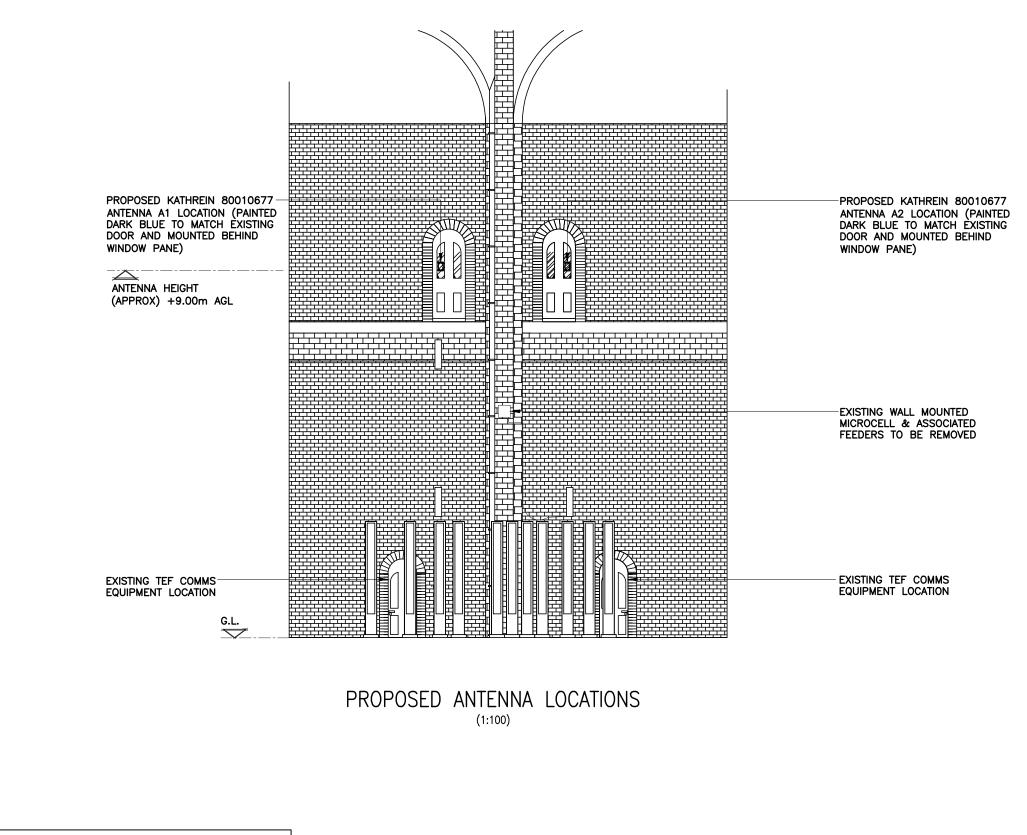




SITE PHOTOGRAPH

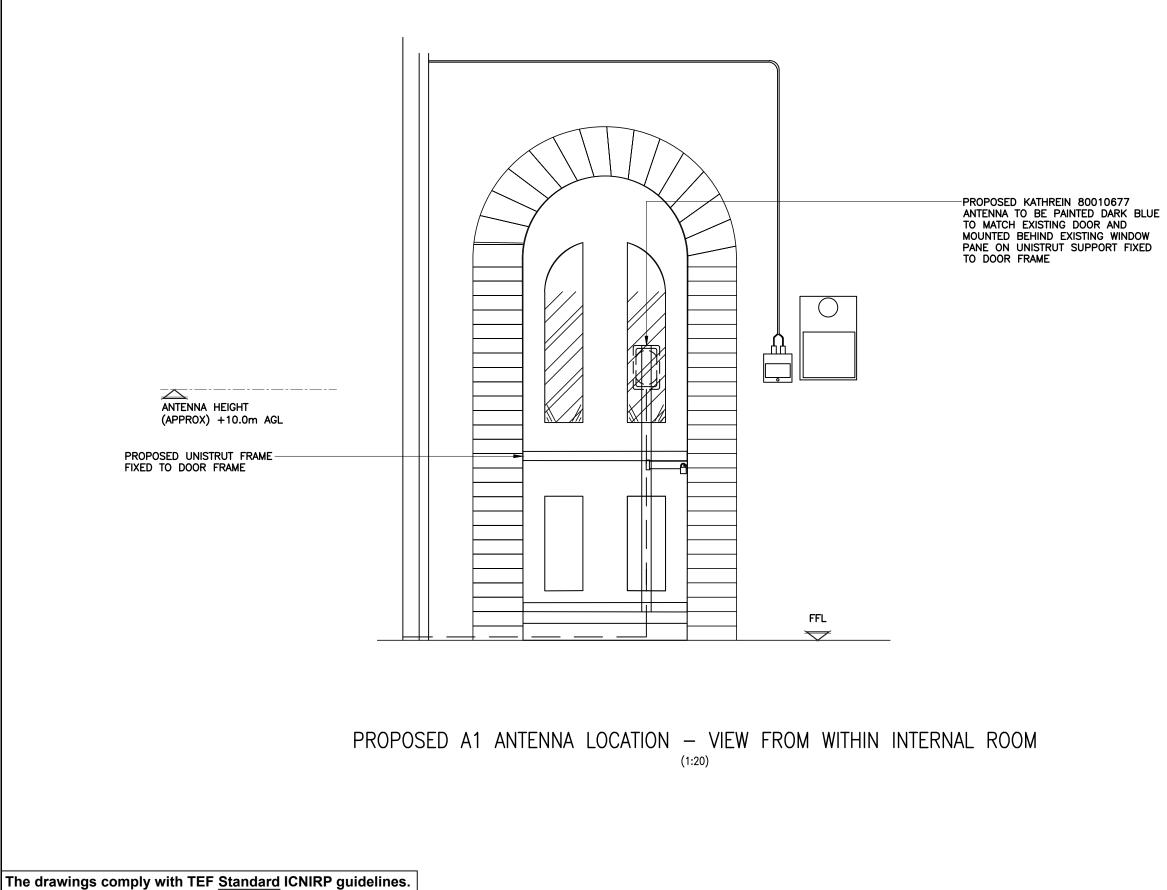






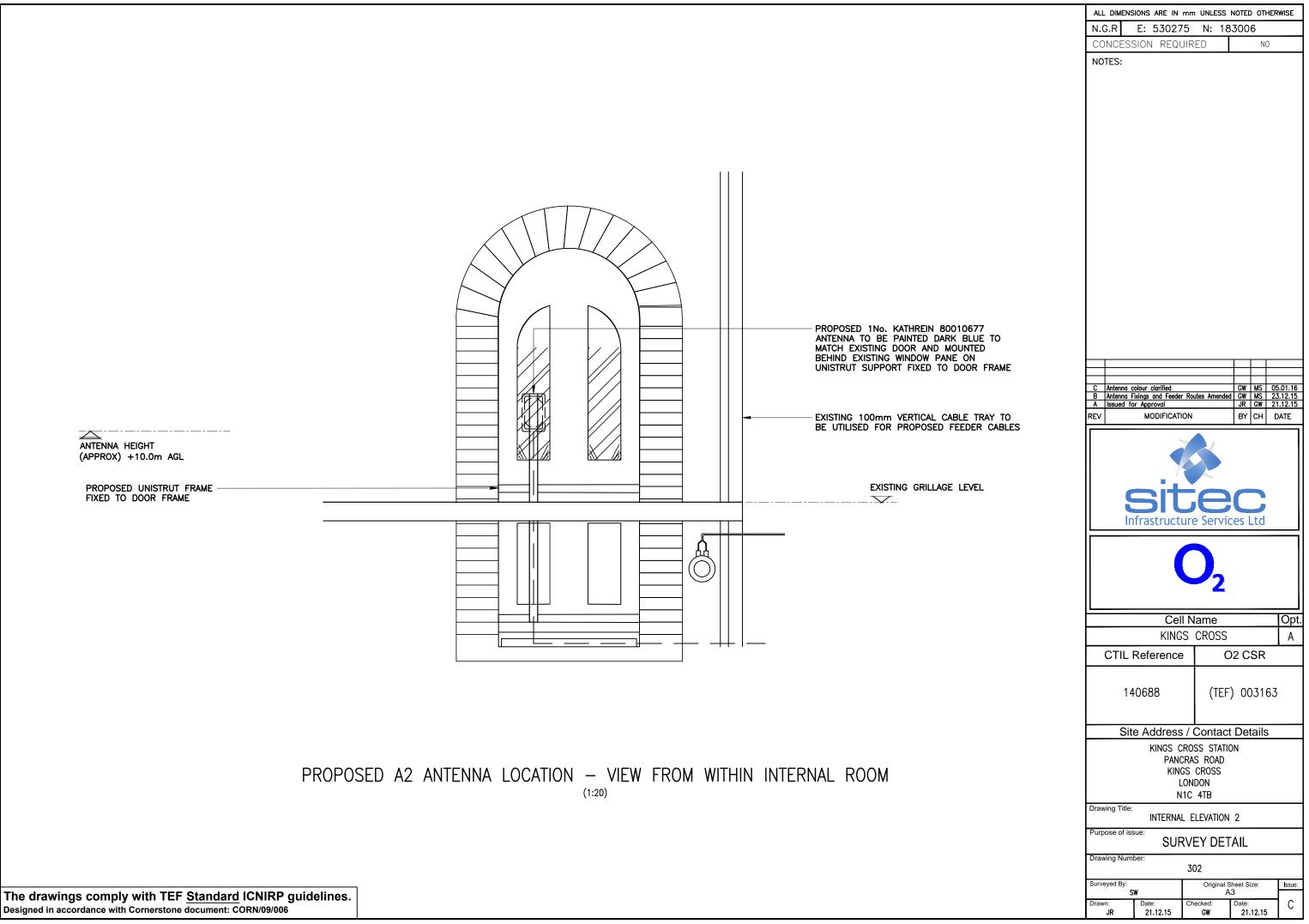
The drawings comply with TEF <u>Standard</u> ICNIRP guidelines. Designed in accordance with Cornerstone document: CORN/09/006

ALL DIMENS	SIONS ARE IN	mm	UNLESS N	NOTED	о от	HER	WISE
N.G.R	E: 53027	'5	N: 18	300	6		
CONCES	SION REQU	JIR	ED		N	C	
NOTES:							
B Antenna	colour clarified Fixings and Feeder	r Roi	utes Amended	GW GW	MS	23	0.01.16
A Issued for REV	or Approval MODIFICATI	ON		JR BY	GW CH		.12.15 ATE
					011		
Ir	Bit			es l	Ltd		
			lame				Opt.
			CROSS				A
CTIL	Reference	;	0	2 C	SR		
14	10688		(TEF)	00)31	63	
Sit	e Address	; / (Contact	Det	tails	3	
	kings c Pano Kino L	:RO CRA GS .ON	SS STATIO S ROAD CROSS DON 4TB				
Drawing Title:	SITE ELEVATI	ON	(STATION	VIFV	W)		
Purpose of is	sue:		EY DET		•)		
Drawing Num							
Surveyed By:			Original Sh		ize:		Issue:
Drawn:	Date:	Ch	A3 ecked:	B Date:			С
JR	21.12.15		GW	21.	12.15	,	Ŭ



Designed in accordance with Cornerstone document: CORN/09/006

ALL DIMENSION						HER	WISE
N.G.R E:				300			
CONCESSIO	N REQU	JIR	ED		N	C	
NOTES:							
0 Antonio antoni				014	10	05	01.10
C Antenna colou B Antenna Fixing	s and Feede	r Ro	utes Amended	GW GW	MS MS	23	0.01.16
A Issued for Ap	oproval VODIFICATI	ON		JR BY	G₩ CH		.12.15 ATE
r			•				
U Infra			C Servic	es l	Ltd	-	
)2				
	Cel	IN	lame				Opt.
	KING	S	CROSS				Α
CTIL Re	ference	;	0	2 C	SR		
1406	88		(TEF)	00)31	63	
Sito /	Address	; / (Contact	Det	aile		
			SS STATIO				
	PANO	CRA	s road				
			CROSS DON				
			4TB				
Drawing Title:			LEVATION	1			
Purpose of issue:							
Drawing Number:	301			-∖IL			
0		3	01				
Surveyed By:			Original Sh A3	3	ze:		ssue:
	ate: 21.12.15	Ch	ecked: GW	Date: 21.	12.15	5	С



Designed in accordance with Cornerstone document: CORN/09/006





PROPOSED KATHREIN 80010677 LOCATION 1





REPRESENTATIVE WIDE VIEW OF PROPOSED ANTENNAS FROM PLATFORM

REPRESENTATIVE CLOSE VIEW OF PROPOSED ANTENNAS FROM PLATFORM



VIEW C – EXISTING 2G/3G BELLBOX ANTENNA LOCATION

VIEW B – PROPOSED KATHREIN 80010677 LOCATION 2

VIEW D - PROPOSED ANTENNA LOCATION - STATION VIEW

SITE PHOTOGRAPHS

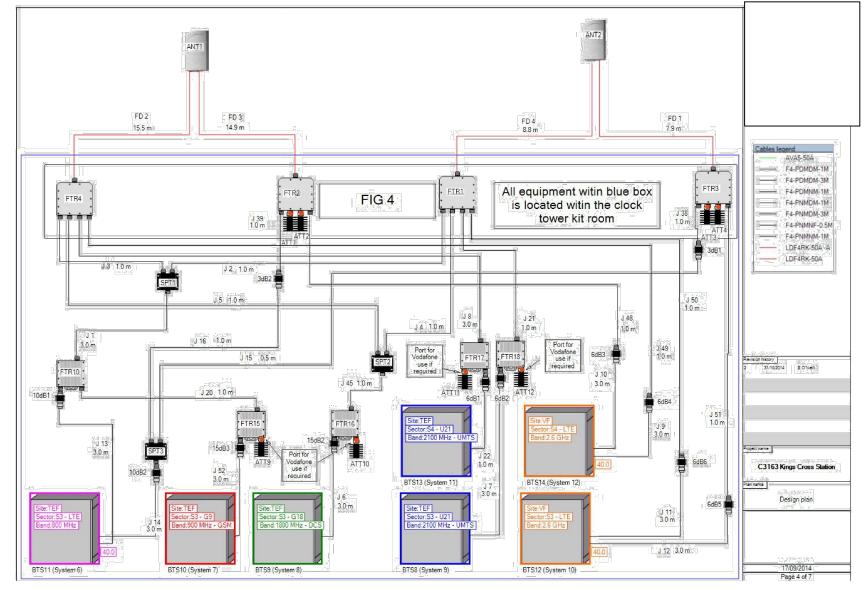








3.3 IBDAS Zones 3 and 4



Kings Cross Station IBDAS Design Drawings and Schematics V1.0

13-11-14

Page 12



ALL DIMENS	SIONS ARE IN	mm	UNLESS N	NOTED	о от	HER	WISE
N.G.R	E: 53027	'5	N: 18	300	6		
CONCES	SION REQU	JIR	ED		N	C	
NOTES:							
B Antenna	colour clarified Fixings and Feeder	Ro	utes Amended	GW GW	MS MS	23	01.16
	or Approval MODIFICATI			JR BY	GW CH	21	.12.15 ATE
	MODIFICATI			ы	СП		
Ir	Sit			es	Ltd		
			lame				Opt.
			CROSS				A
CTIL	Reference	;	0	2 C	SR		
14	10688		(TEF)	00)31	63	
Sit	e Address	/ (Contact	Det	tails	3	
	Kings C Pano Kino L N	RO CRA GS ON	SS STATIO S ROAD CROSS DON 4TB				
Drawing Title:		4 5	CHEMATIC				
Purpose of is	sue:		EY DET/	AIL			
Drawing Num			00				
Surveyed By:	SW		Original Sh A3		ize:		Issue:
Drawn:	Date:	Ch	ecked:	Date:			С
JR	21.12.15		GW	21.	12.15	\$	

		BILL	. OF MATERIALS	
TYPE	REFERENCE	MODEL	DESCRIPTION	QTY
ANTENNA	ANT1, ANT2	80010677	ANTENNAS TO BE PAINTED DARK BLUE TO MATCH EXISTING DOORS AND INSTALLED BEHIND GLASS PANEL	2
COMBINER	FTR1,2,3,4	4 WAY COMBINER	4 WAY COMBINER	4
COMBINER	FTR10,15,16,17,18	2 WAY COMBINER	2 WAY COMBINER	5
TERMINATION	ATT1,2,3,4,9,10,11,12	50Ω	50Ω TERMINATION	8
SPLITTER	SPT1,2,3	2 WAY SPLITTER	2 WAY SPLITTER	3
ATTENUATOR	10dB1,2	10dB	10dB ATTENUATOR	2
ATTENUATOR	15dB2,3	15dB	15dB ATTENUATOR	2
ATTENUATOR	6dB1,2,3,4,5,6	6dB	6dB ATTENUATOR	6
ATTENTUATOR	3dB1,2	3dB	3dB ATTENUATOR	2
JUMPER	J1,6,7,8,9,10,11,12,13,14	COAXIAL CABLE	3m JUMPER CABLE	10
JUMPER	J2,3,4,5,16,20,21,22,38 39,45,48,49,50,51,52	COAXIAL CABLE	1m JUMPER CABLE	16
JUMPER	J15	COAXIAL CABLE	0.5m JUMPER CABLE	1
FEEDER	FD1	COAXIAL CABLE	7.9m FEEDER CABLE	1
FEEDER	FD2	COAXIAL CABLE	15.5m FEEDER CABLE	1
FEEDER	FD3	COAXIAL CABLE	14.9m FEEDER CABLE	1
FEEDER	FD4	COAXIAL CABLE	8.8m FEEDER CABLE	1
BASE STATION	BTS8,13	U21 BASE STATION	UMTS 2100MHz BASE STATION	2
BASE STATION	BTS9	G18 BASE STATION	GSM 1800MHz BASE STATION	1
BASE STATION	BTS10	G09 BASE STATION	GSM 900MHz BASE STATION	1
BASE STATION	BTS11	LO8 BASE STATION	LTE 800MHz BASE STATION	1
BASE STATION	BTS12,14	L26 BASE STATION	LTE 2600MHz BASE STATION	2
CONNECTOR	N/A	N-TYPE MALE	FOR CONNECTION TO JUMPER CABLES	54
CONNECTOR	N/A	N-TYPE MALE	FOR CONNECTION TO ANTENNAS	8
UNISTRUT	N/A	UNISTRUT	UNISTRUT FOR ANTENNA MOUNTS	65m
CABLE TRAY	N/A	150mm WIDE	150mm CABLE TRAY	2m

			ANTENNA AND FE	EDER KEY		
No.	SECTOR	ANTENNA TYPE	LOCATION	APPROX HEIGHT	FEEDER LENGTH	FEEDER TYPE
A1	MULTIBAND	KATHREIN 80010677	BEHIND WINDOW PANE	10.0m	SEE TABLE ABOVE	LDF4-50J
A2	MULTIBAND	KATHREIN 80010677	BEHIND WINDOW PANE	10.0m	SEE TABLE ABOVE	LDF4-50J

EXISTING/ PROPOSED	ENCLOSURE	U SPACE AVAILABLE	EXISTING INCOMING FIBRE LOCATION	EXISTING TRANSMISSION EQUIPMENT LOCATION	PROPOSED TRANSMISSION EQUIPMENT LOCATION	COMMENTS
EXISTING	6U WALL BRACKET	0	GROUND FLOOR EQUIPMENT ROOM	GROUND FLOOR EQUIPMENT ROOM	NO PROPOSED TRANSMISSION	REUSE EXISTING

BILL OF MATERIALS

N.G.R E: 530275 N: 183006 CONCESSION REQUIRED NO NOTES:
NOTES:
C Antenna colour clarified GW MS 05.01.16 B Antenna Fixings and Feeder Routes Amended GW MS 23.12.15
A Issued for Approval JR GW 21.12.15 REV MODIFICATION BY CH DATE
Sitec Infrastructure Services Ltd
O ₂
0,
Cell Name Opt
Cell Name Opt KINGS CROSS A
Cell Name Opt
Cell Name Opt KINGS CROSS A CTIL Reference O2 CSR 140688 (TEF) 003163
Cell Name Opt KINGS CROSS A CTIL Reference O2 CSR
Cell Name Opt KINGS CROSS A CTIL Reference O2 CSR 140688 (TEF) 003163 Site Address / Contact Details KINGS CROSS STATION PANCRAS ROAD KINGS CROSS KINGS CROSS Site Address / Contact Details KINGS CROSS Site Address / Contact Details KINGS CROSS KINGS CROSS Site Address / Contact Details
Cell Name Opt KINGS CROSS A CTIL Reference O2 CSR 140688 (TEF) 003163 Site Address / Contact Details KINGS CROSS STATION PANCRAS ROAD KINGS CROSS LONDON N1C 4TB
Cell Name Opt KINGS CROSS A CTIL Reference O2 CSR 140688 (TEF) 003163 Site Address / Contact Details KINGS CROSS STATION PANCRAS ROAD KINGS CROSS KINGS CROSS Site Address / Contact Details VINGS CROSS STATION PANCRAS ROAD KINGS CROSS LONDON N1C 4TB
Cell Name Opt KINGS CROSS A CTIL Reference O2 CSR 140688 (TEF) 003163 Site Address / Contact Details KINGS CROSS STATION PANCRAS ROAD KINGS CROSS KINGS CROSS Site Address / Contact Details VINGS CROSS STATION PANCRAS ROAD KINGS CROSS LONDON N1C 4TB