

DETAILED SITE LOCATION
(Scale 1:1250)

N.G.R. E: 525425, N: 184170

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- 1 ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE
- 2 DO NOT SCALE DRAWINGS
- 3 **RED BOXED TEXT INDICATES PROPOSED WORKS**
- 4 **BLUE BOXED TEXT INDICATES PROPOSED H3G WORKS BY OTHERS**
- 5 READ IN CONJUNCTION WITH CONSTRUCTION NOTES DRAWING

No.	Revision	By	Ckd	Date
A3	Step Overs Added	JA	SDG	15.05.18
A2	GDC Pass, Missing Resin Bolt Replaced	JA	SDG	22.02.18
A1	Preliminary Issue For Comment	SM	JA	18.01.18




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 Beach Drive, Waterbeach
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 CB25 9TN
 Tel: 01223 792150
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 e: info@sitec-is.co.uk
 w: www.sitec-is.co.uk

Site Name & Address:
 SYDNEY BOYD COURT
 SYDNEY BOYD COURT (LIEBERTY/HIROSS)
 WEST END LANE, CAMDEN
 LONDON
 NW6 4QY

Drawing Title: LOCATION PLAN

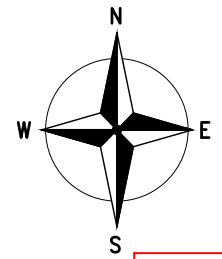
Purpose of Issue: PLANNING

Drawing No: CMN018 01

TM Cell ID: 90024	TM Site ID: 500310	MBNL Cell ID: CMN018
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Scale: As Shown	Drawn: SM	Date: 18.01.18	Issue:
Checked: JA	Date: 18.01.18	Approved: SDG	Date: 18.01.18

100mm
75mm
50mm
25mm
0mm



NOTE - EXISTING MHA TAILS TO BE REMOVED AND REPLACED WITH NEW TAILS ALONG WITH 43-10 CONNECTORS

NOTES:
FOR FULL EQUIPMENT DETAILS THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING 04 (EQUIPMENT DETAILS)

ALL PROPOSED EQUIPMENT AND STEELWORK TO BE BONDED TO EXISTING LIGHTNING PROTECTION SYSTEM

RF CONFIG: B7w/ii/2
OPERATOR A: EE

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DEPENDENCIES:

ASBESTOS	Report Required- Requested
BUILDING REGULATIONS	N/A
FIXIT FORM	N/A
GLOBAL DESIGN CHECK	GDC Pass, Missing Resin Bolt to be Replaced
ICNIRP CONFORMITY	Complies to GSD008 Without Control
UNDERGROUND SERVICES SEARCHES	N/A
STRUCTURAL CHECK	N/A
COOLING CHECK	Cooling Sufficient for Upgrade
EE2600 BUILD COMPLETE	N/A - EE Operator A

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Drawing Title: SITE PLAN

Purpose of Issue: PLANNING

Drawing No: CMN018 02

TM Cell ID: 90024	TM Site ID: 500310	MBNL Cell ID: CMN018
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Scale: As Shown	Drawn: SM	Date: 18.01.18	Issue:
Checked: JA	Date: 18.01.18	Approved: SDG	Date: 18.01.18

EXISTING MBNL 1No. 1800/2600 HUAWEI ATR4518R3 ANTENNA ON SUPPORT POLE TO BE REMOVED & REPLACED WITH 1No. MBNL 800/1800/2600 HUAWEI AQU4518R11 ANTENNA MOUNTED ON EXISTING SUPPORT POLE

EXISTING MBNL EQUIPMENT CABIN ON STEEL SUPPORT GRILLAGE TO BE UPGRADED INTERNALLY

PROPOSED MBNL 300 WIDE CABLE TRAY VERTICALLY ON CABIN WALL TO BE USED TO RUN PROPOSED 6No. L800 FEEDERS DOWN BELOW GRILLAGE

EXISTING MBNL 450 WIDE CABLE TRAY RUNS VERTICALLY UP WALL

EXISTING CHIMNEYS

EXISTING 1100 HIGH HANDRAIL

EXISTING MBNL 1No. 1800/2600 HUAWEI ATR4518R3 ANTENNA ON SUPPORT POLE TO BE REMOVED & REPLACED WITH 1No. MBNL 800/1800/2600 HUAWEI AQU4518R11 ANTENNA MOUNTED ON EXISTING SUPPORT POLE. EXISTING BOTTOM WALL BRACKET IS MISSING A WALL FIXING, NEW M12 (G8.8) HIT HY70 RESIN ANCHOR ROD TO BE INSTALLED (MIN EMBED 150mm)

EXISTING 1No. MBNL 1800/2100 KATHREIN 742215 ANTENNA ON SUPPORT POLE TO REMAIN

EXISTING OLO ANTENNA ON FREESTANDING FRAME

EXISTING OLO EQUIPMENT CABINET ON FREESTANDING FRAME

EXISTING ROOF ACCESS DOOR

EXISTING 1No. MBNL 1800/2100 KATHREIN 742215 ANTENNA ON SUPPORT POLE TO REMAIN

EXISTING 1No. MBNL 300 TRANSMISSION DISH MOUNTED ON OFFSET BRACKET TO REMAIN

EXISTING 1100 HIGH HANDRAIL

EXISTING MBNL 1No. RRH & 1No. BOB ON FREESTANDING FRAME

EXISTING MBNL 300 WIDE CABLE TRAY LAID FLAT ON ROOF ON BLOCKS TO BE USED TO RUN PROPOSED 2No. L800 5-50 FEEDERS

EXISTING ROOF ACCESS DOORS

EXISTING ACCESS GATE

EXISTING 1100 HIGH HANDRAIL

EXISTING OLO ANTENNA & DISH ON FREESTANDING FRAME

PROPOSED STEPOVER TO BE INSTALLED TO PROVIDE SAFE ACCESS ACROSS CABLE TRAYS, SEE DETAIL ON DRAWING 12

PROPOSED MBNL 300 WIDE CABLE TRAY LAID FLAT ON ROOF ON BLOCKS TO BE USED TO RUN PROPOSED 4No. L800 7-50 FEEDERS

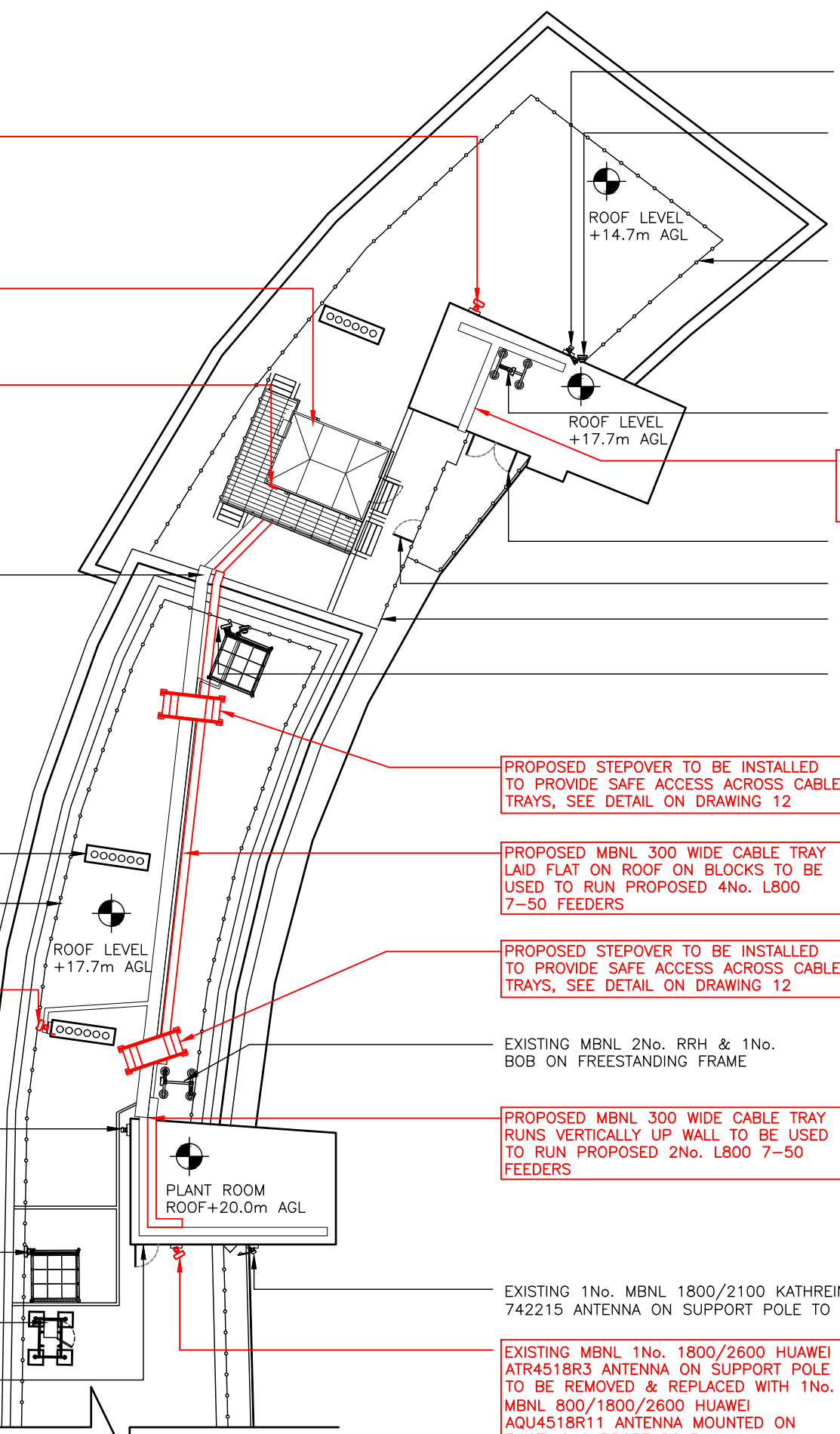
PROPOSED STEPOVER TO BE INSTALLED TO PROVIDE SAFE ACCESS ACROSS CABLE TRAYS, SEE DETAIL ON DRAWING 12

EXISTING MBNL 2No. RRH & 1No. BOB ON FREESTANDING FRAME

PROPOSED MBNL 300 WIDE CABLE TRAY RUNS VERTICALLY UP WALL TO BE USED TO RUN PROPOSED 2No. L800 7-50 FEEDERS

EXISTING 1No. MBNL 1800/2100 KATHREIN 742215 ANTENNA ON SUPPORT POLE TO REMAIN

EXISTING MBNL 1No. 1800/2600 HUAWEI ATR4518R3 ANTENNA ON SUPPORT POLE TO BE REMOVED & REPLACED WITH 1No. MBNL 800/1800/2600 HUAWEI AQU4518R11 ANTENNA MOUNTED ON EXISTING SUPPORT POLE



SITE PLAN
(SCALE: 1:200)

100mm
75mm
50mm
25mm
0mm

RF CONFIG: B7w/ii/2
OPERATOR A: EE

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EXISTING MBNL EQUIPMENT CABIN ON STEEL SUPPORT GRILLAGE TO BE UPGRADED INTERNALLY

EXISTING 1No. MBNL 1800/2100 KATHREIN 742215 ANTENNA ON SUPPORT POLE TO REMAIN

EXISTING 1No. MBNL 300Ø TRANSMISSION DISH MOUNTED ON OFFSET BRACKET TO REMAIN

EXISTING MBNL 1No. 1800/2600 HUAWEI ATR4518R3 ANTENNA ON SUPPORT POLE TO BE REMOVED & REPLACED WITH 1No. MBNL 800/1800/2600 HUAWEI AQU4518R11 ANTENNA MOUNTED ON EXISTING SUPPORT POLE

EXISTING 1100 HIGH HANDRAIL

EXISTING OLO ANTENNA & DISH ON FREESTANDING FRAME

EXISTING 1No. MBNL 1800/2100 KATHREIN 742215 ANTENNA (BEHIND) ON SUPPORT POLE TO REMAIN

EXISTING MBNL 1No. 1800/2600 HUAWEI ATR4518R3 ANTENNA ON SUPPORT POLE TO BE REMOVED & REPLACED WITH 1No. MBNL 800/1800/2600 HUAWEI AQU4518R11 ANTENNA MOUNTED ON EXISTING SUPPORT POLE

EXISTING 1No. MBNL 1800/2100 KATHREIN 742215 ANTENNA ON SUPPORT POLE TO REMAIN

EXISTING MBNL 1No. 1800/2600 HUAWEI ATR4518R3 ANTENNA ON SUPPORT POLE TO BE REMOVED & REPLACED WITH 1No. MBNL 800/1800/2600 HUAWEI AQU4518R11 ANTENNA MOUNTED ON EXISTING SUPPORT POLE. EXISTING BOTTOM WALL BRACKET IS MISSING A WALL FIXING, NEW M12 (G8.8) HIT HY70 RESIN ANCHOR ROD TO BE INSTALLED (MIN EMBED 150mm)

TOP OF PROPOSED ANTENNAS 23.0m AGL

C/L OF PROPOSED ANTENNAS 22.0m AGL

U/S OF PROPOSED ANTENNAS 21.0m AGL

C/L EXISTING ANTENNA (SECT. 1) 22.1m

C/L MBNL 300Ø DISH 20.2m AGL

C/L EXISTING ANTENNA (SECT. 2) 21.5m

C/L EXISTING ANTENNA (SECT. 3) 21.6m

PLANT ROOM ROOF 20.0m AGL

ROOF LEVEL 17.7m AGL

ROOF LEVEL 14.7m AGL

00.0m GROUND LEVEL

PROPOSED 2No. STEPOVERS TO BE INSTALLED TO PROVIDE SAFE ACCESS ACROSS CABLE TRAYS, SEE DETAIL ON DRAWING 12

WEST ELEVATION
(SCALE: 1:200)



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Site Name & Address:

SYDNEY BOYD COURT
SYDNEY BOYD COURT (LIEBERTY/HIROSS)
WEST END LANE, CAMDEN
LONDON
NW6 4QY

Drawing Title: WEST ELEVATION			
Purpose of Issue: PLANNING			
Drawing No: CMN018 03			
TM Cell ID: 90024	TM Site ID: 500310	MBNL Cell ID: CMN018	
Scale: As Shown	Drawn: SM	Date: 18.01.18	Issue:
Checked: JA	Date: 18.01.18	Approved: SDG	Date: 18.01.18

100mm
75mm
50mm
25mm
0mm

EXISTING CABIN DETAILS

MANUFACTURER: UTV
 TYPE/REF: EQUIPMENT CABIN
 DIMENSIONS: 3600x2600x3000 HIGH
 MATERIAL: STEEL
 COLOUR: GREY

EXISTING CABINET DETAILS

NUMBER: 1No.
 MANUFACTURER: HUAWEI
 TYPE/REF: BTS3900L CABINET
 LOCATION: INDOOR
 DIMENSIONS: 600x450x1640 HIGH
 MATERIAL: STEEL
 COLOUR: GREY
 STATUS: RETAIN
 COMMENTS: **TO BE UPGRADED INTERNALLY**

NUMBER: 1No.
 MANUFACTURER: NSN
 TYPE/REF: FLEXI STACK
 LOCATION: INDOOR
 DIMENSIONS: 600x600x1200 HIGH
 MATERIAL: STEEL
 COLOUR: GREY
 STATUS: RETAIN
 COMMENTS: WITH FLEXI MODULES

NUMBER: 1No.
 MANUFACTURER: SAMSUNG
 TYPE/REF: SAMI 42U FLAT PACK RACK
 LOCATION: INDOOR
 DIMENSIONS: 600x550x1975 HIGH
 MATERIAL: STEEL
 COLOUR: A05 GOOSE GREY
 STATUS: RETAIN
 COMMENTS: HOUSING 3No. H3G 1800 SAMSUNG RADIO MODULES AND AN ELTEK PSU

NUMBER: 1No.
 MANUFACTURER: UTV
 TYPE/REF: FULL HEIGHT (46U) TRANSMISSION RACK
 LOCATION: INDOOR
 DIMENSIONS: 600x500x2200 HIGH
 MATERIAL: STEEL
 COLOUR: GREY
 STATUS: RETAIN
 COMMENTS:

PROPOSED EQUIPMENT DETAILS

**NUMBER: 3No.
 MANUFACTURER: HUAWEI
 TYPE/REF: 800 LRFU
 LOCATION: BTS3900L CABINET
 DIMENSIONS: N/A
 COLOUR: GREY
 STATUS: PROPOSED
 COMMENTS: TO BE INSTALLED IN EXISTING BTS3900L**

**NUMBER: 1No.
 MANUFACTURER: ELTEK
 TYPE/REF: 2kW RECTIFIER
 LOCATION: INTERNAL
 DIMENSIONS: N/A
 COLOUR: BLACK
 STATUS: PROPOSED
 COMMENTS: TO BE INSTALLED IN ELTEK EF2S PSU**

EXISTING PSU CABINETS

NUMBER: 1No.
 MANUFACTURER: ELTEK
 TYPE/REF: FLATPACK 2, SMARTPACK 2 PSU (EF2S)
 LOCATION: INDOOR
 DIMENSIONS: 600x400x1000 HIGH
 MATERIAL: STEEL
 COLOUR: SILVER/BLACK
 STATUS: PROPOSED
 COMMENTS: WITH 5No. 2kW RECTIFIERS INSTALLED

1No. 2kW RECTIFIER TO BE INSTALLED

NUMBER: 2No.
 MANUFACTURER: HARMER & SIMMONS
 TYPE/REF: +24V PSU CABINET
 LOCATION: INDOOR
 DIMENSIONS: 600x500x1100 HIGH
 MATERIAL: STEEL
 COLOUR: GREY
 STATUS: RETAIN
 COMMENTS: STACKED

NUMBER: 1No.
 MANUFACTURER: HARMER & SIMMONS
 TYPE/REF: +24V PSU CABINET
 LOCATION: INDOOR
 DIMENSIONS: 600x500x1100 HIGH
 MATERIAL: STEEL
 COLOUR: GREY
 STATUS: REDUNDANT
 COMMENTS:

EXISTING RRH AND FIBRE SYSTEM DETAILS

NUMBER: 3No.
 MANUFACTURER: HUAWEI
 TYPE/REF: 3262 RRH (REMOTE RADIO HEAD, 2600MHz)
 LOCATION: OUTDOOR
 DIMENSIONS: 300x120x400
 MATERIAL: STEEL
 COLOUR: GREY
 STATUS: RETAIN
 COMMENTS: MOUNTED ON FREESTANDERS

NUMBER: 2No.
 MANUFACTURER: COMMSCOPE
 TYPE/REF: (ANTENNA END) BOB (FE-12104-EE-R4)
 LOCATION: OUTDOOR
 DIMENSIONS: 267x102x318
 MATERIAL: PLASTIC
 COLOUR: GREY
 STATUS: RETAIN
 COMMENTS: MOUNTED ON FREESTANDERS

NUMBER: 2No.
 MANUFACTURER: COMMSCOPE
 TYPE/REF: (BTS END) BOB (FE-12104-EE-R4)
 LOCATION: INDOOR
 DIMENSIONS: 267x102x318
 MATERIAL: PLASTIC
 COLOUR: GREY
 STATUS: RETAIN
 COMMENTS: MOUNTED ON BOB LADDER IN EQUIPMENT CABIN

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RF CONFIG: B7w/ii/2
 OPERATOR A: EE

STATUS KEY:
 RETAIN: EXISTING AND TO REMAIN
 RELOCATE: EXISTING AND TO BE RELOCATED
 PROPOSED: NEW ON SITE
 REMOVE: TO BE REMOVED FROM SITE

LOCATION KEY:
 OUTDOOR: LOCATED OUTSIDE
 INDOOR: LOCATED WITHIN AN EQUIPMENT CABIN OR EQUIPMENT ROOM
 INTERNAL: LOCATED INSIDE A CABINET OR ITEM OF EQUIPMENT

A3	Step Overs Added	JA	SDG	15.05.18
A2	GDC Pass, Missing Resin Bolt Replaced	JA	SDG	22.02.18
A1	Preliminary Issue For Comment	SM	JA	18.01.18
No.	Revision	By	Ckd	Date



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Drawing Title: EQUIPMENT DETAILS

Purpose of Issue: PLANNING

Drawing No: CMN018 04

TM Cell ID: 90024	TM Site ID: 500310	MBNL Cell ID: CMN018
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Scale: As Shown	Drawn: SM	Date: 18.01.18	Issue:
Checked: JA	Date: 18.01.18	Approved: SDG	Date: 18.01.18

EQUIPMENT DETAILS
 (NOT TO SCALE)



EXISTING MBNL HUAWEI BTS3900L CABINET TO BE UPGRADED INTERNALLY WITH 3No. 800 LRFUs

EXISTING OVERHEAD CABLE MANAGEMENT TO BE USED TO RUN PROPOSED 6No. EE 5-50 L800 FEEDERS

EXISTING ELTEK SMARTPACK 2 EF2S PSU WITH 5No. 2kW RECTIFIERS INSTALLED. PROPOSED 1No. 2kW RECTIFIER TO BE INSTALLED FOR 800 UPGRADE

EXISTING FLEXI STACK WITH Mk2 UCUs ON TOP

PROPOSED 12-WAY ROXTEC GLAND TO BE USED TO RUN PROPOSED 6No. 800 FEEDERS

EXISTING ROXTEC GLANDS (FULL)

EXISTING REDUNDANT HARMER & SIMMONS +24V PSU

EXISTING CEMS VENT

EXISTING 2No. COMMSCOPE BOBS ON ALIFABS BOB LADDER

EXISTING HEATER

EXISTING MBNL CEMS 12kW DOOR FAN

EXISTING 1No. MBNL Tx RACK

EXISTING 2No. HARMER & SIMMONS +24v PSUs (STACKED)

EXISTING CRABTREE DIST. BOARD

EXISTING MBNL SAMI 42U FLAT PACK RACK HOUSING 3No. H3G 1800 SAMSUNG RADIO MODULES

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Drawing Title: EQUIPMENT LAYOUT

Purpose of Issue: PLANNING

Drawing No: CMN018 05

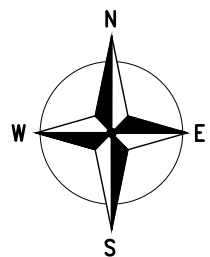
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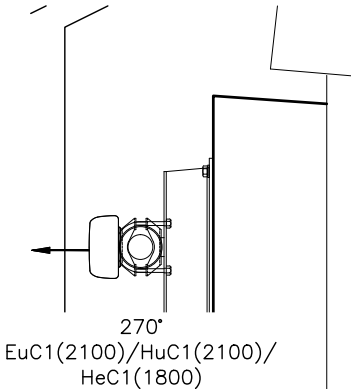
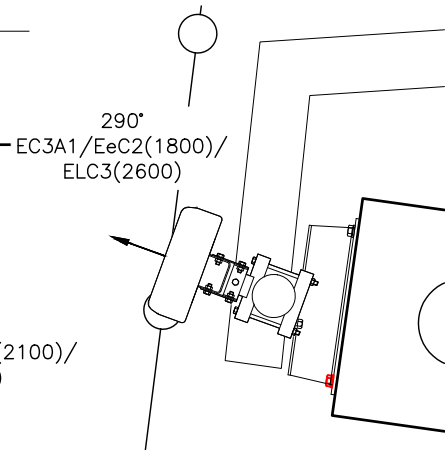
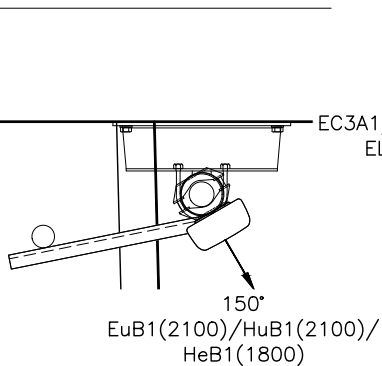
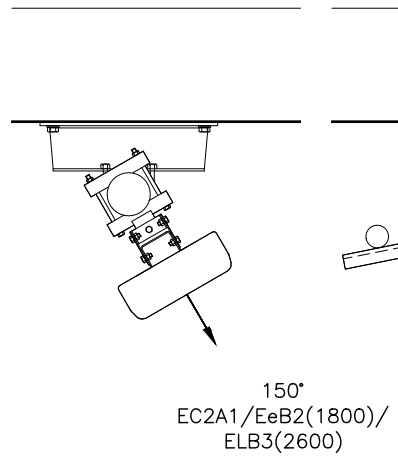
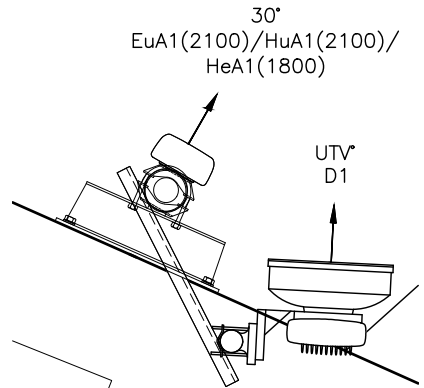
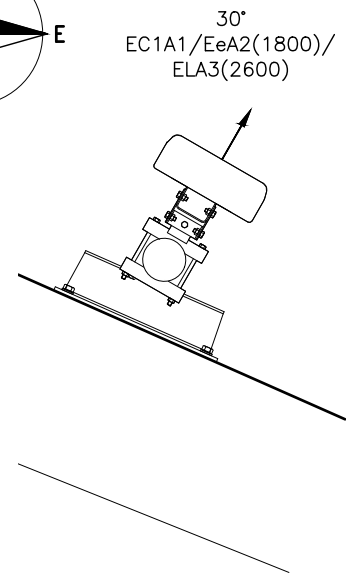
EQUIPMENT CABIN LAYOUT

(SCALE: 1:20)

100mm
75mm
50mm
25mm
0mm



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EXISTING ANTENNA DETAILS
(SCALE 1:20)

No.	Revision	By	Ckd	Date
A3	Step Overs Added	JA	SDG	15.05.18
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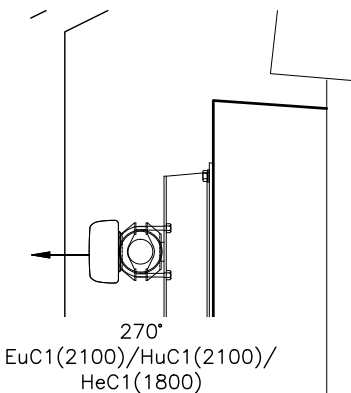
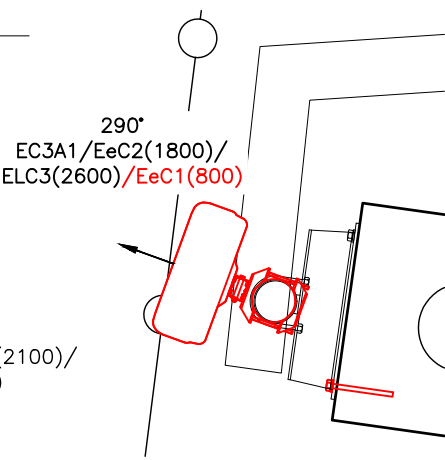
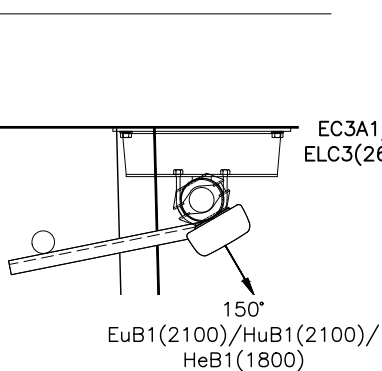
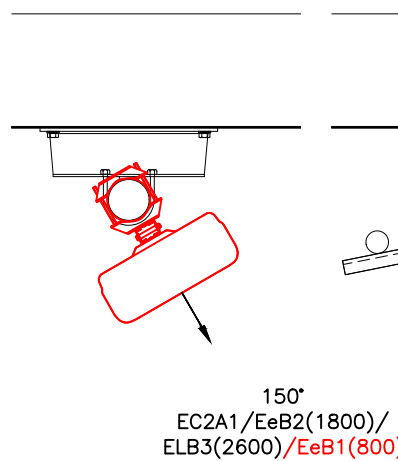
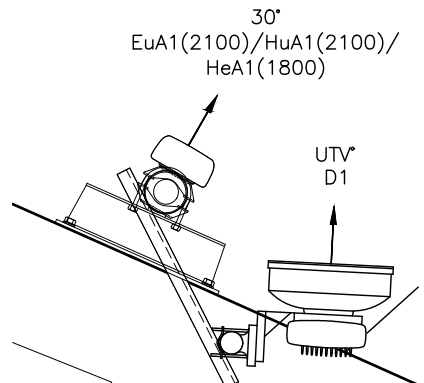
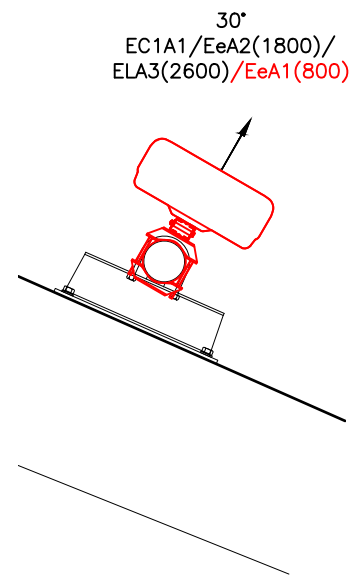
Drawing Title: ANTENNA LAYOUT

Purpose of Issue: PLANNING

Drawing No: CMN018 06

TM Cell ID: 90024	TM Site ID: 500310	MBNL Cell ID: CMN018
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Scale: As Shown	Drawn: SM	Date: 18.01.18	Issue:
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PROPOSED ANTENNA DETAILS
(SCALE 1:20)

100mm
75mm
50mm
25mm
0mm

PRE-UPGRADE ANTENNA LINE KEY

Sector	Antenna Type	Antenna Top C/L(m) U/S	Antenna Length(m)	Bearing EGN	Mechanical Tilt (+ve downtilt/-ve uptilt)	Manufacturer's Port Frequency Range	Operating Frequency	RFU/RRH	MHA Type	Main Feeder No, Size & Length	MHA Tail No, Size & Length	RRH Tail No, Size & Length	Hybrid RRH Jumper Length	Hybrid Trunk Fibre Length	Hybrid Cab Jumper Length	Estimated Total Loss dB	Comments
1	HUAWEI ATR4518R3 (1007361)	22.45m 21.72m 21.0m	1.445m	30°	AS PER RDS	1710-2170	1800	RFU	POWERWAVE	2No. 5-50 33m	2No. 4-50, 2m	-	-	-	-	EXISTING	REMOVE
						1710-2690	2600	RRH	-	-	-	2No. 5-50, 8m	2m	25m	5m	EXISTING	
						2490-2690	SPARE	-	-	-	-	-	-	-	-	-	
1	KATHREIN 742212 (1003020)	21.7m 21.1m 20.3m	1.302m	30°	AS PER RDS	1710-2170	1800/ 2100	RFU	RD0341	2No. 5-50 35m	2No. 4-50, 2m	-	-	-	-	EXISTING	REMAIN
2	HUAWEI ATR4518R3 (1007361)	22.45m 21.72m 21.0m	1.445m	150°	AS PER RDS	1710-2170	1800	RFU	POWERWAVE	2No. 5-50 50m	2No. 4-50, 2m	-	-	-	-	EXISTING	REMOVE
						1710-2690	2600	RRH	-	-	-	2No. 5-50, 13m	2m	35m	5m	EXISTING	
						2490-2690	SPARE	-	-	-	-	-	-	-	-	-	
2	KATHREIN 742212 (1003020)	22.1m 21.5m 20.8m	1.302m	150°	AS PER RDS	1710-2170	1800/ 2100	RFU	RD0341	2No. 5-50 53m	2No. 4-50, 2m	-	-	-	-	EXISTING	REMAIN
3	HUAWEI ATR4518R3 (1007361)	22.45m 21.72m 21.0m	1.445m	290°	AS PER RDS	1710-2170	1800	RFU	POWERWAVE	2No. 5-50 44m	2No. 4-50, 2m	-	-	-	-	EXISTING	REMOVE
						1710-2690	2600	RRH	-	-	-	2No. 5-50, 12m	2m	35m	5m	EXISTING	
						2490-2690	SPARE	-	-	-	-	-	-	-	-	-	
3	KATHREIN 742212 (1003020)	22.3m 21.6m 21.0m	1.302m	270°	AS PER RDS	1710-2170	1800/ 2100	RFU	RD0341	2No. 5-50 43m	2No. 4-50, 2m	-	-	-	-	EXISTING	REMAIN

- 1 ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE
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- 3 RED BOXED TEXT INDICATES PROPOSED WORKS
- 4 BLUE BOXED TEXT INDICATES PROPOSED H3G WORKS BY OTHERS
- 5 READ IN CONJUNCTION WITH CONSTRUCTION NOTES DRAWING

RF CONFIG: B7w/ii/2
OPERATOR A: EE

No.	Revision	By	Ckd	Date
A3	Step Overs Added	JA	SDG	15.05.18
A2	GDC Pass, Missing Resin Bolt Replaced	JA	SDG	22.02.18
A1	Preliminary Issue For Comment	SM	JA	18.01.18



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Site Name & Address:

 SYDNEY BOYD COURT
 SYDNEY BOYD COURT (LIEBERTY/HIROSS)
 WEST END LANE, CAMDEN
 LONDON
 NW6 4QY

Drawing Title:
PRE-UPGRADE ANTENNA LINE KEY

Purpose of Issue:
PLANNING

Drawing No:
CMN018 07

TM Cell ID: 90024	TM Site ID: 500310	MBNL Cell ID: CMN018
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Scale: As Shown	Drawn: SM	Date: 18.01.18	Issue:
Checked: JA	Date: 18.01.18	Approved: SDG	Date: 18.01.18

EXISTING DISH KEY

STATUS	OPERATOR	DISH REF	DISH DIA	BEARING	HEIGHT TO Cntr.(AGL)	LINK No.
EXISTING	MBNL	D1	Ø300	UTV	20.2m	ML101456

100mm
75mm
50mm
25mm
0mm

POST-UPGRADE ANTENNA LINE KEY

Sector	Antenna Type	Antenna Top C/L(m) U/S	Antenna Length(m)	Bearing EGN	Mechanical Tilt (+ve downtilt/-ve uptilt)	Manufacturer's Port Frequency Range	Operating Frequency	RFU/RRH	Main Feeder No, Size & Length	MHA Type	MHA Tail No, Size & Length	RET Cable Location	RET Name	Hybrid RRH Jumper Length	Hybrid Trunk Fibre Length	Hybrid Cab Jumper Length	Est. Total Loss dB
1	HUAWEI AQU4518R11	23.0m 22.0m 21.0m	1.999m	30°	AS PER RDS	690-960	800	RFU	2No. 5-50 33m	E15R02P11	2No. 4-50, 2m	Enabled	E08P:030:r1	N/A	N/A	N/A	1.93
						1710-2690	1800	RFU	2No. 5-50 33m	POWERWAVE	2No. 4-50, 2m	Yes	E18P: 030:Ly1	N/A	N/A	N/A	EX
						1710-2690	2600	RRH	2No. 5-50, 8m	-	-	Enabled	E26P:030: Cy2	2m	25m	5m	EX
						1710-2690	-	-	-	-	-	Enabled	NONE:030:Ry3	-	-	-	-
1	KATHREIN 742212 (1003020)	21.7m 21.1m 20.3m	1.302m	30°	AS PER RDS	1710-2170	1800	RFU	2No. 5-50 35m	RDO341	2No. 4-50, 2m	-	-	N/A	N/A	N/A	EX
2	HUAWEI AQU4518R11	23.0m 22.0m 21.0m	1.999m	150°	AS PER RDS	690-960	800	RFU	2No. 7-50 50m	E15R02P11	2No. 4-50, 2m	Enabled	E08P:150:r1	N/A	N/A	N/A	1.80
						1710-2690	1800	RFU	2No. 5-50 50m	POWERWAVE	2No. 4-50, 2m	Yes	E18P: 150:Ly1	N/A	N/A	N/A	EX
						1710-2690	2600	RRH	2No. 5-50, 12m	-	-	Enabled	E26P:150: Cy2	2m	35m	5m	EX
						1710-2690	-	-	-	-	-	Enabled	NONE:150:Ry3	-	-	-	-
2	KATHREIN 742212 (1003020)	22.1m 21.5m 20.8m	1.302m	150°	AS PER RDS	1710-2170	1800	RFU	2No. 5-50 53m	RDO341	2No. 4-50, 2m	-	-	N/A	N/A	N/A	EX
3	HUAWEI AQU4518R11	23.0m 22.0m 21.0m	1.999m	290°	AS PER RDS	690-960	800	RFU	2No. 7-50 44m	E15R02P11	2No. 4-50, 2m	Enabled	E08P:290:r1	N/A	N/A	N/A	1.67
						1710-2690	1800	RFU	2No. 5-50 44m	POWERWAVE	2No. 4-50, 2m	Yes	E18P: 290:Ly1	N/A	N/A	N/A	EX
						1710-2690	2600	RRH	2No. 5-50, 12m	-	-	Enabled	E26P:290: Cy2	2m	35m	5m	EX
						1710-2690	-	-	-	-	-	Enabled	NONE:290:Ry3	-	-	-	-
3	KATHREIN 742212 (1003020)	22.3m 21.6m 21.0m	1.302m	270°	AS PER RDS	1710-2170	1800	RFU	2No. 5-50 43m	RDO341	2No. 4-50, 2m	-	-	N/A	N/A	N/A	EX

NOTE - EXISTING MHA TAILS TO BE REMOVED AND REPLACED WITH NEW TAILS ALONG WITH 43-10 CONNECTORS

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RF CONFIG: B7w/ii/2
OPERATOR A: EE

A3	Step Overs Added	JA	SDG	15.05.18
A2	GDC Pass, Missing Resin Bolt Replaced	JA	SDG	22.02.18
A1	Preliminary Issue For Comment	SM	JA	18.01.18
No.	Revision	By	Ckd	Date



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Site Name & Address:
SYDNEY BOYD COURT
SYDNEY BOYD COURT (LIEBERTY/HIROSS)
WEST END LANE, CAMDEN
LONDON
NW6 4QY

Drawing Title:
POST UPGRADE ANTENNA LINE KEY

Purpose of Issue:
PLANNING

Drawing No:
CMN018 08

TM Cell ID: 90024	TM Site ID: 500310	MBNL Cell ID: CMN018
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Scale: As Shown	Drawn: SM	Date: 18.01.18	Issue:
Checked: JA	Date: 18.01.18	Approved: SDG	Date: 18.01.18

EXISTING DISH KEY						
STATUS	OPERATOR	DISH REF	DISH DIA	BEARING	HEIGHT TO Cntr.(AGL)	LINK No.
EXISTING	MBNL	D1	ø300	UTV	20.2m	ML101456

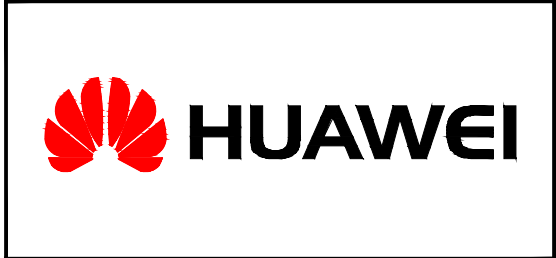
100mm
75mm
50mm
25mm
0mm

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RF CONFIG: B7w/ii/2
OPERATOR A: EE

NOTES:

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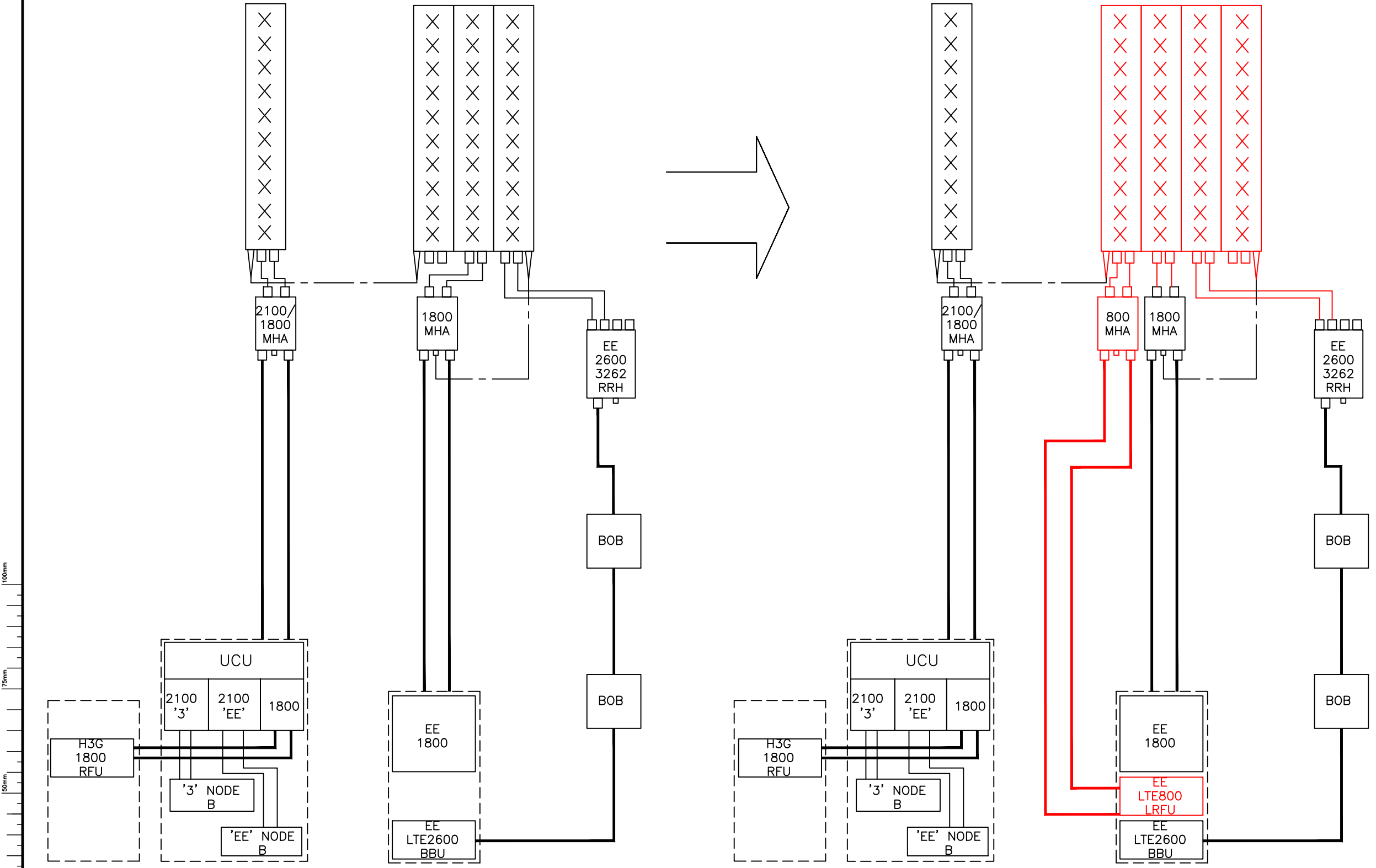
Drawing Title: ANTENNA SCHEMATIC			
Purpose of Issue: PLANNING			
Drawing No: CMN018 09			
TM Cell ID: 90024	TM Site ID: 500310	MBNL Cell ID: CMN018	
Scale: As Shown	Drawn: SM	Date: 18.01.18	Issue:
Checked: JA	Date: 18.01.18	Approved: SDG	Date: 18.01.18

EXISTING
(2 PORT) ANTENNA
17-21

EXISTING
(6 PORT) ANTENNA
65°/65°/65° BW
17-22/17-26/26

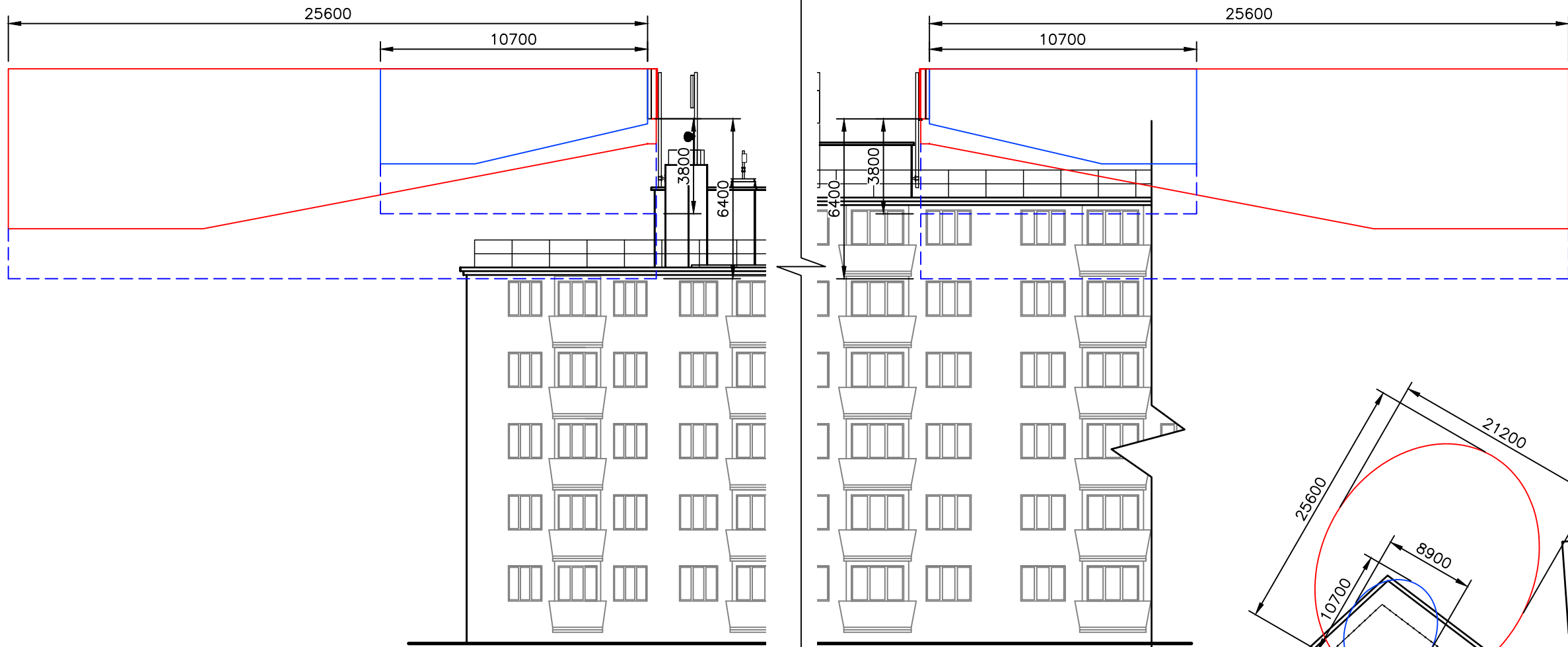
EXISTING
(2 PORT) ANTENNA
17-21

SWAP TO (8 PORT)
ANTENNA
65°/65°/65°/65° BW
800/17-26/17-26/17-26

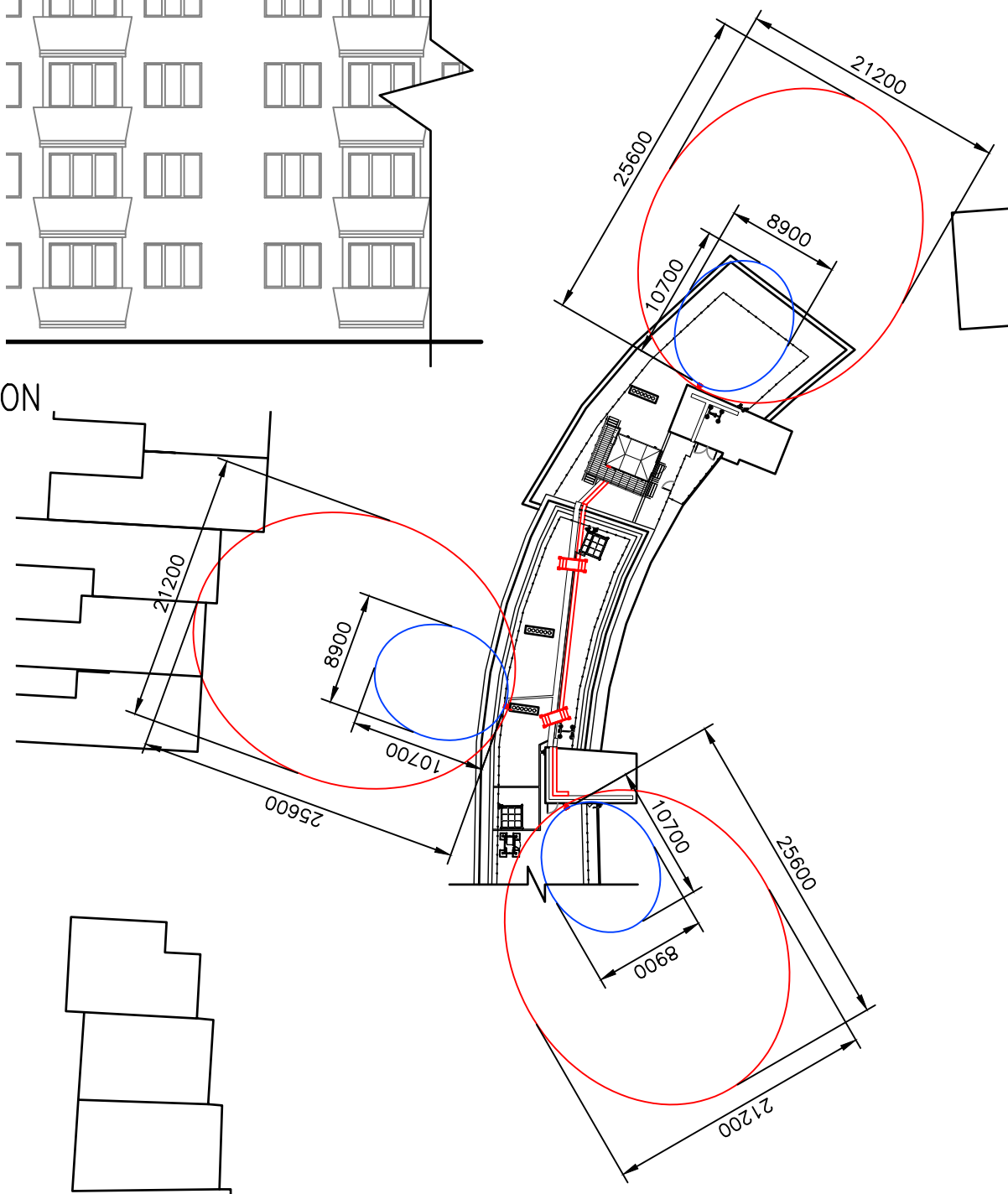


ANTENNA SCHEMATIC
(NOT TO SCALE)

100mm
75mm
50mm
25mm
0mm



ICNIRP EXCLUSION ZONE WEST ELEVATION
(SCALE: 1:200)



ICNIRP EXCLUSION ZONE PLAN
(SCALE: 1:500)

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NOTES:
ICNIRP EXCLUSION ZONES ARE BASED ON VALUES WITHIN THE MBNL ICNIRP COMPLIANCE CERTIFICATION DOCUMENT GSDD008 VERSION 7.0 (28/04/16)

No.	Revision	By	Ckd	Date
A3	Step Overs Added	JA	SDG	15.05.18
A2	GDC Pass, Missing Resin Bolt Replaced	JA	SDG	22.02.18
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 LONDON
 NW6 4QY

Drawing Title: ICNIRP EXCLUSION ZONES

Purpose of Issue: PLANNING

Drawing No: CMN018 10

TM Cell ID: 90024	TM Site ID: 500310	MBNL Cell ID: CMN018
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Scale: As Shown	Drawn: SM	Date: 18.01.18	Issue: A3
Checked: JA	Date: 18.01.18	Approved: SDG	Date: 18.01.18

MULTI OPERATOR CALCULATOR

	800MHz	1800MHz	2100MHz	2600MHz	-	Cornerstone single op	
Watts	80	320	220	80	-	Max	
PUBLIC WIDTH	PUBLIC LENGTH	PUBLIC REAR	PUBLIC H1	PUBLIC H2	PUBLIC H2L	PUBLIC HEIGHT	
21.20	25.60	0.30	1.00	4.4	17.8	6.4/8.4	
OCCUP. WIDTH	OCCUP. LENGTH		OCCUP. H1	OCCUP. H2	OCCUP. H2L	BUILD HEIGHT	
8.90	10.70	-	0.20	1.80	6.9	3.8/5.8	

100mm
 75mm
 50mm
 25mm
 0mm

GENERAL NOTES

- 1.1 DO NOT SCALE ANY DRAWING WITHIN THIS SERIES.
- 1.2 ALL DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE.
- 1.3 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS WITHIN THIS SERIES.
- 1.4 ALL BRITISH STANDARDS REFERENCED ON THIS DRAWING ARE TO BE TO THE CURRENT REVISION.
- 1.5 ALL ASPECTS OF THE WORKS TO BE IN ACCORDANCE WITH THE LATEST OPERATORS DESIGN / INSTALLATION SPECIFICATIONS.
- 1.6 ALL DIMENSIONS SHOWN ON THE SCHEME DRAWINGS TO EXISTING STRUCTURES ARE APPROXIMATE AND THE CONTRACTOR IS TO OBTAIN ALL EXACT SITE DIMENSIONS NECESSARY TO CARRY OUT PROPOSED WORKS.
- 1.7 ALL SPECIALIST ITEMS TO BE USED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- 1.8 THE CONTRACTOR SHALL SUBMIT HIS PROPOSALS FOR THE TEMPORARY SUPPORTS AND METHOD STATEMENT SHOWING THE SEQUENCE OF CONSTRUCTION OF THE WORKS TO THE EMPLOYER FOR COMMENT BEFORE COMMENCEMENT OF THE WORKS.
- 1.9 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT SUFFICIENT TOLERANCES ARE PROVIDED AND INTEGRATED THROUGHOUT ALL ELEMENTS OF THE WORKS. THE CONTRACTOR IS TO TAKE ACCOUNT OF TOLERANCES DETAILED ELSEWHERE WHEN COMPLYING WITH THIS CLAUSE.
- 1.10 THE CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION TO PREVENT WATER PENETRATION INTO EXISTING BUILDINGS DURING.
- 1.11 THE CONTRACTOR IS ENTIRELY RESPONSIBLE FOR MAINTAINING THE STABILITY OF ALL EXISTING BUILDINGS AND STRUCTURES WITHIN AND ADJACENT TO THE WORKS. THIS INCLUDES, ALL OF THE WORKS FROM THE DATE OF THE POSSESSION OF THE SITE UNTIL PRACTICAL COMPLETION OF THE WORKS. THE CONTRACTOR SHALL DESIGN, INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY WORKS TO COMPLY WITH THE ABOVE.
- 1.12 ALL DETAILS OF EXISTING CONSTRUCTION TO BE CONFIRMED ON SITE. ANY DISCREPANCIES BETWEEN SITE SPECIFIC DESIGN DRAWINGS AND CONTRACTORS FINDINGS ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
- 1.13 REMEDIAL WALL TIES TO HAVE RESIN/RESIN FIXINGS TYPE HW BY HILTI OR SIMILAR APPROVED ALTERNATIVE.

STRUCTURAL STEELWORK

- 2.1 STRUCTURAL STEEL TO BE GRADE S275 MILD STEEL TO BS EN10025.
- 2.2 ALL WELDS TO BE MINIMUM 6MM FILLET WELD UNLESS NOTED OTHERWISE. WELDS AT TUBE TO TUBE CONNECTIONS TO BE FULL PENETRATION BUTT WELDS.
- 2.3 BOLTS TO BE GRADE 8.8 TO BS 4190, MINIMUM SIZE 16MM DIA. (UNLESS STATED OTHERWISE) EXCEPT FOR STUB TOWERS WHERE BOLTS ARE TO BE HSE MINIMUM 20MM DIA. WITH LOAD INDICATOR WASHERS, TIGHTENED IN ACCORDANCE WITH THE SUPPLIERS RECOMMENDATIONS (UNLESS STATED OTHERWISE). BEARING SURFACES TO BE CLEAN GALVANISED.
- 2.4 ALL STEELWORK INCLUDING BOLTS TO BE GALVANISED TO BS 729.
- 2.5 ALL GALVANISING DRAIN HOLES FOR RHS/CHS IF VISIBLE WHEN ERECTED ARE TO BE PLUGGED. DETAIL TO BE PROVIDED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER. ENDS OF ALL HOLLOW SECTIONS TO BE SEALED.
- 2.6 FABRICATION DRAWINGS BASED ON SITE DIMENSIONS ARE TO BE PREPARED BY THE CONTRACTOR FOR ALL STEELWORK AND THESE ARE TO BE SUBMITTED TO THE ENGINEER FOR COMMENT.

STRUCTURAL STEELWORK (CONTINUED)

- 2.7 RESIN ANCHORS INTO SOLID MASONRY TO BE HIT HY70 INJECTION TECHNIQUE WITH ANCHOR ROD BY HILTI OR SIMILAR APPROVED ALTERNATIVE. REFER TO HILTI TECHNICAL LITERATURE FOR MIN EMBEDMENT DEPTH
- 2.8 RESIN ANCHORS INTO CONCRETE TO BE HIT HY200 WITH HIT-Z CHEMICAL FIXING SYSTEM ANCHOR RODS BY HILTI OR SIMILAR APPROVED ALTERNATIVE. REFER TO HILTI TECHNICAL LITERATURE FOR MIN EMBEDMENT DEPTH
- 2.9 RESIN ANCHORS INTO CONCRETE FOR REINFORCEMENT STARTER BARS TO BE HIT HY150 INJECTION TECHNIQUE BY HILTI OR SIMILAR APPROVED ALTERNATIVE. BAR DIA. TO BE SPECIFIED ON THE DESIGN DRAWINGS.
- 2.10 ANCHOR RODS SHALL BE THREADED STEEL RODS (YIELD POINT 420N/MM²). ANCHOR ROD, BOLTS AND WASHERS SHALL BE HOT-DIPPED GALVANISED TO BS 729.
- 2.11 MINOR SITE ERECTION DAMAGE TO BE MADE GOOD WITH A MINIMUM OF THREE COATS OF GALVAFROID. OR SIMILAR APPROVED ALTERNATIVE.
- 2.12 ALL STRUCTURAL STEELWORK TO BE CE MARKED

ELECTRICAL CABLING / LIGHTNING PROTECTION

- 3.1 THE LIGHTNING PROTECTION INSTALLATION SHALL COMPLY IN FULL WITH BS 6651.
- 3.2 LIGHTNING PROTECTION SHALL PROVIDE A MAXIMUM RESISTANCE OF 10 OHMS.
- 3.3 THE ELECTRICAL INSTALLATION SHALL COMPLY IN FULL WITH BS 7671 (REQUIREMENTS FOR ELECTRICAL INSTALLATIONS).
- 3.4 THE EARTHING INSTALLATION SHALL COMPLY IN FULL WITH BS 7430.
- 3.5 MINIMUM DISTANCE REQUIRED BETWEEN EARTH RODS TO BE 1.5 X THE EARTH ROD DEPTH.
- 3.6 ON COMPLETION OF THE WORKS TESTS CERTIFICATES SHALL BE PROVIDED FOR THE FOLLOWING:
I) ELECTRICAL INSTALLATION.
II) LIGHTNING PROTECTION SYSTEM.
III) CONFORMITY FOR FIRE/ENVIRONMENTAL ALARMS (IF REQ'D).
IV) DC COMMISSIONING.
- 3.7 ALL LIGHTNING PROTECTION EARTH TAPES ABOVE GROUND TO BE COPPER OR ALUMINIUM AS SPECIFIED ON THE SITE SPECIFIC DESIGN DRAWINGS. TAPES ABOVE GROUND TO BE PVC SHEATHED (GREY), BARE COPPER BELOW GROUND. BI-METALLIC JOINTS LOCATED ABOVE GROUND SHALL BE USED WHERE COPPER CONNECTS TO ALUMINIUM. WHERE AN EXISTING ROOFTOP LIGHTNING PROTECTION SYSTEM EXISTS, NEW TAPES SHALL MATCH THE EXISTING. WHEN LIGHTNING PROTECTION TAPES ARE TO BE INSTALLED ON ROOFTOPS WHERE NO EXISTING TAPES ARE INSTALLED, THEY SHALL BE PVC COVERED COPPER TAPES. PVC COLOUR SHALL BE SYMPATHETIC WITH THE BUILDING FINISHES.
- 3.8 FOLLOWING THE PROVISION OF AC POWER TO THE CABIN, THE CONTRACTOR SHALL CARRY OUT THE FOLLOWING WORKS RELATED TO THE INSTALLED FIRE ALARM PANEL (FAP) IF APPLICABLE:
A) CONNECT BATTERY, SUPPLIED WITH THE FAP, INTO THE PANEL.
B) CARRY OUT 'LAMP TEST' TO CONFIRM THAT ALL INDICATIONS ARE ILLUMINATING.
C) CHECK THAT 'MAIN HEALTHY' LAMP IS ILLUMINATED.
D) REMOVE DUST COVERS, IF FITTED, FROM SMOKE DETECTORS.
E) THE FIRE ALARM SYSTEM SHALL BE LEFT IN AN OPERATIONAL STATE UPON SITE COMPLETION (IF REQUIRED).
- 3.9 THE CONTRACTOR SHALL LIAISE WITH ELECTRICITY SUPPLY COMPANY IN ALL MATTERS RELATING TO THE CONNECTION OF ELECTRICITY SUPPLY WITHIN OPERATORS TIME SCALES.
- 3.10 WHERE METER CABINETS OR COMPOUND GATES REQUIRE 2 NO. PADLOCKS THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT BOTH ELECTRICITY COMPANY AND OPERATORS PADLOCKS ARE FITTED.

ELECTRICAL CABLING / LIGHTNING PROTECTION (CONTINUED)

- 3.11 THE CONTRACTOR IS TO ENSURE THAT ANY EXISTING LIGHTNING PROTECTION SYSTEM, WHERE DIRECTLY AFFECTING THE CORRECT OPERATION OF THE OPERATORS INSTALLATION, IS IN A GOOD STATE OF REPAIR WITH CONDUCTOR TAPES CORRECTLY AND ADEQUATELY SECURED. ALL ADDITIONAL EXTRANEOUS METALWORK FORMING PART OF THE OPERATORS INSTALLATION AT ROOF LEVEL, INCLUDING CABLE TRAY, STEEL PLATFORMS AND STEP OVERS, SHALL BE CROSS-BONDED TO THE LIGHTNING PROTECTION SYSTEM.
- 3.12 WHERE THE OPERATORS SUB-MAIN ELECTRICITY SUPPLY CABLE IS INSTALLED ADJACENT OTHER SERVICES OR SURFACE ROUTED IN ACCESS WAYS, MAINTENANCE AREAS OR PASSING THROUGH LANDLORDS PROPERTY ETC... THEY SHALL BE CLEARLY MARKED WITH AN APPROPRIATE SIGN OR
- 3.13 THE CONTRACTOR IS TO ENSURE THAT THE MAIN EQUIPOTENTIAL BONDING CONDUCTOR IS INSTALLED AT THE NEAREST POINT BETWEEN THE LIGHTNING PROTECTION DOWN TAPE AND BUILDING MAIN EARTH TERMINAL IN ACCORDANCE WITH BS 7671, (IEE REG. 547 AND 413-02-02).
- 3.14 CABLE TRAY SIZES BEFORE AND AFTER JUNCTIONS ARE INDICATED ON THE RELATIVE SITE SPECIFIC DESIGN DRAWINGS.
- 3.15 CABLE TRAYS TO BE SUPPLIED BY: SWIFTS OF SCARBOROUGH LTD. CAYTON LOW ROAD, EASTFIELD, SCARBOROUGH, NORTH YORKSHIRE. YO11 3BY. OR A SIMILAR APPROVED ALTERNATIVE.
- 3.16 ALL CABLE TRAYS AND STEELWORK SHALL BE BONDED TO LIGHTNING PROTECTION TAPES AT THE END OF EACH RUN AND AT CHANGES IN DIRECTION.
- 3.17 ANTENNAS AND DISHES SHALL BE BONDED TO THE TOWER IN ACCORDANCE WITH THE LATEST OPERATORS RELEVANT DOCUMENTATION.
- 3.18 THE NEW LIGHTNING PROTECTION EARTH PIT FINAL POSITIONS AND EXTENT OF LIGHTNING PROTECTION SYSTEM IS TO BE DETERMINED BY A SPECIALIST CONTRACTOR WITH THE APPROVAL OF THE ENGINEER.
- 3.19 EXISTING FENCING, GATES AND HANDRAILING TO BE CROSS-BONDED TO THE NEW LIGHTNING PROTECTION SYSTEM.
- 3.20 ELECTRICITY METER CABINET TO BE CROSS-BONDED TO MAIN LIGHTNING PROTECTION/EARTHING SYSTEM.
- 3.21 THE NUMBER OF EARTH PITS AND LENGTH OF EARTH RODS ARE DEPENDENT ON ACHIEVING LESS THAN 10 OHMS TO EARTH.
- 3.22 **ELECTRICAL SUPPLY – CABLE CHANGEOVER SCHEDULE**

THE CONTRACTOR SHALL PROVIDE A METHOD STATEMENT DETAILING THE ELECTRICAL POWER CHANGEOVER PRIOR TO COMMENCING ANY WORKS ON SITE. OPERATOR SHALL CONFIRM THAT THE STATEMENT IS ACCEPTABLE PRIOR TO PROGRAMMING THE WORKS.
- 3.23 WHEN ADDING OR RELOCATING EXISTING EARTH PITS THE CONTRACTOR SHALL ENSURE THAT SERVICE EARTH BONDS ARE MAINTAINED AT ALL TIMES.
- 3.24 THE CONTRACTOR SHALL INSTALL EMERGENCY LIGHTING IN ACCORDANCE WITH THE ENCLOSED DRAWINGS AND BS5266 PART 1. ALL FITTINGS SHALL BE APPROVED TO ICEL STANDARDS AND BE CONTROLLED VIA A SUITABLE KEY OPERATED TEST FACILITY, IDENTIFIED IN THE LIGHTING MANUFACTURERS O&M MANUALS. THE SUPPLY CABLES SHALL BE FIRE RATED IN ACCORDANCE WITH BS5266 PART 1.
- 3.25 ANY ALTERATIONS / ADDITIONS TO AN EXISTING FIRE ALARM SYSTEM SHOULD BE IN ACCORDANCE WITH BS5839 PART 1.
- 3.26 THE LOCAL AUTHORITY BUILDING CONTROL SURVEYOR SHALL BE INVITED BY THE CONTRACTOR TO WITNESS TESTS OF THE FIRE ALARM SYSTEM AND/OR ESCAPE LIGHTING.

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A3	Step Overs Added	JA	SDG	15.05.18
A2	GDC Pass, Missing Resin Bolt Replaced	JA	SDG	22.02.18
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e: info@sitec-is.co.uk
w: www.sitec-is.co.uk

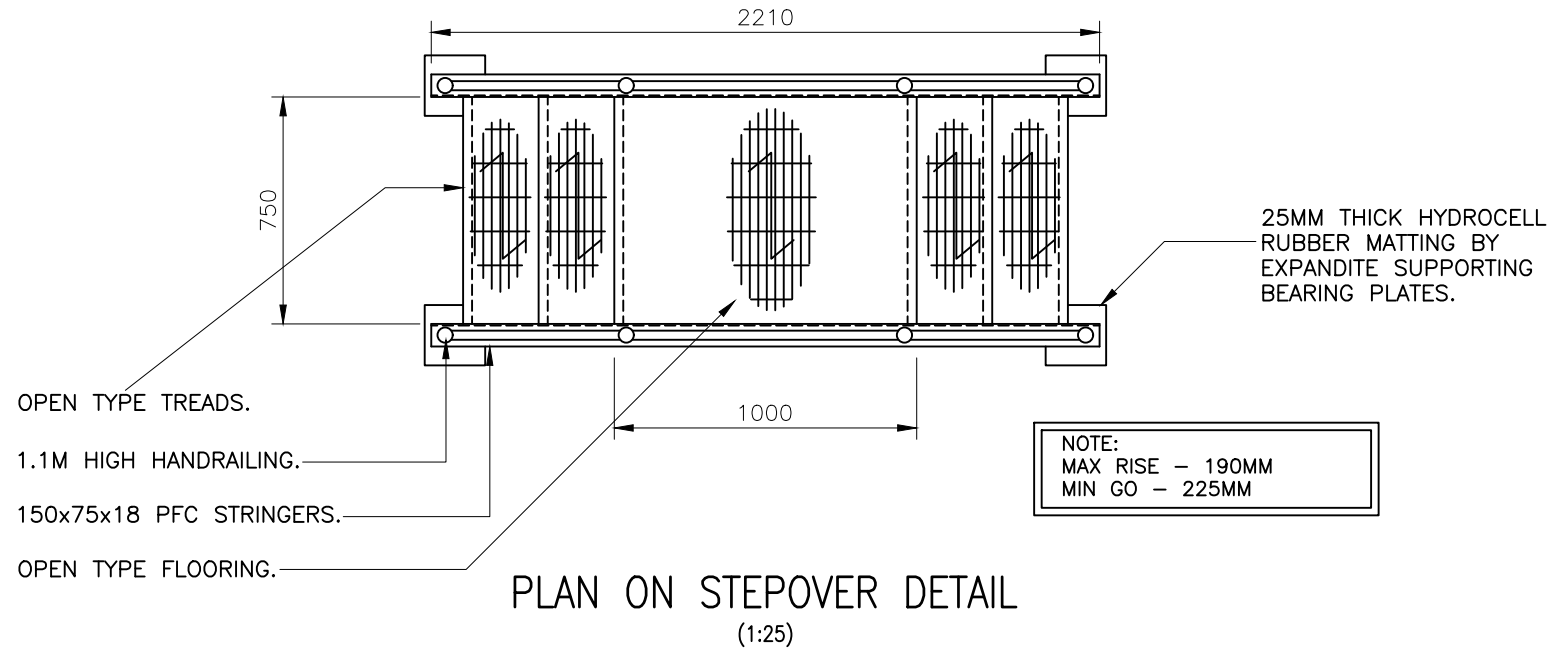
Site Name & Address:

SYDNEY BOYD COURT
SYDNEY BOYD COURT (LIEBERTY/HIROSS)
WEST END LANE, CAMDEN
LONDON
NW6 4QY

Drawing Title: CONSTRUCTION NOTES			
Purpose of Issue: PLANNING			
Drawing No: CMN018 11			
TM Cell ID: 90024	TM Site ID: 500310	MBNL Cell ID: CMN018	Issue:
Scale: As Shown	Drawn: SM	Date: 18.01.18	Issue: A3
Checked: JA	Date: 18.01.18	Approved: SDG	Date: 18.01.18

100mm
75mm
50mm
25mm
0mm

- 1 ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE
- 2 DO NOT SCALE DRAWINGS
- 3 RED BOXED TEXT INDICATES PROPOSED WORKS
- 4 BLUE BOXED TEXT INDICATES PROPOSED H3G WORKS BY OTHERS
- 5 READ IN CONJUNCTION WITH CONSTRUCTION NOTES DRAWING



PLAN ON STEPOVER DETAIL
(1:25)

OPEN TYPE FLOORING REF. FL25L BY STEELWAY-FENSECURE (TEL: 01902 451733) OR SIMILAR APPROVED ALTERNATIVE @ MAX. SPAN OF 1200MM CLIPPED TO STEELWORK USING FL CLIP ASSEMBLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. IF LARGER SPAN REQUIRED THEN CONSULTATION BETWEEN ENGINEERING DESIGN CONSULTANT WILL BE NECESSARY (MAX LIVE LOAD 1.5kN/m²).

1.1M HIGH HANDRAIL STANDARDS BY STEELWAY-FENSECURE (TEL: 01902 451733) OR SIMILAR APPROVED ALTERNATIVE. HANDRAILS TO BE 25MMØ NOMINAL BORE MEDIUM GRADE TUBE 3.25MM THICK AND STANDARDS TO BE 32MMØ SOLID SHANKS WITH 60MMØ BALLS AT MAXIMUM C/C OF 1200MM UNLESS NOTED OTHERWISE ON SITE SPECIFIC DESIGN DRAWINGS. FIXINGS TO BE TO TOP OF BEAMS, TYPE S32 150X65 FLAT BASE FOR GRILLAGE, AND S51 ANGLE BASE FOR STEPS STRINGERS, BOTH WITH 2 NO M16 GALVANISED BOLTS GRADE 8.8 IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

150x75x18 PFC STRINGERS AND OPEN TYPE TREADS WITH PYRAMID TREAD PLATE NOSING REF. OTR OPEN TYPE TREADS BY STEELWAY-FENSECURE (TEL: 01902 451733) OR SIMILAR APPROVED ALTERNATIVE. TREADS TO BE FIXED TO STRINGERS USING 2 NO M12 GALVANISED BOLTS GRADE 8.8 PER SIDE (NON-STANDARD BOLT CENTRES).

150x6MM FLAT TO FORM KICKER PLATE FIXED TO STEELWORK TO CONTRACTORS DETAIL.

FLOORING OVER PLATFORM TO BE SAT ON A 50X50X6 RSA @ EITHER SIDE FIXED USING M12 GALVANISED BOLTS GRADE 8.8.

4NO 200x200x6MM THICK BEARING PLATES AT EACH END OF STEPS STRINGERS WELDED USING 6MM CFW ALL-ROUND.

3 equal risers (Max. per riser 190)

BEARING PLATE SAT ON 25MM THICK HYDROCELL RUBBER MATTING BY EXPANDITE OR SIMILAR APPROVED ALTERNATIVE.

STRINGER AND PLATFORM BEAM TO BE WELDED TOGETHER USING A FULL PENETRATION BUTT WELD.

NOTE: ALL BOLTS TO HAVE 1 NO NUT, 2 NO FLAT WASHERS AND TO BE M16 GALVANISED GRADE 8.8 UNLESS NOTED OTHERWISE.

ELEVATION ON STEPOVER DETAIL
(1:25)

No.	Revision	By	Ckd	Date
A3	Step Overs Added	JA	SDG	15.05.18
A2	GDC Pass, Missing Resin Bolt Replaced	JA	SDG	22.02.18
A1	Preliminary Issue For Comment	SM	JA	18.01.18




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Drawing No: CMN018 12

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