

DETAILED SITE LOCATION
(Scale 1:1250)

N.G.R. E: 529414, N: 184788

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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 WORKS BY OTHERS
- 5 READ IN CONJUNCTION WITH CONSTRUCTION NOTES DRAWING

A7	Antenna Relocated	LA	DB	20.01.17
A6	New Fixit Submitted	LA	DB	15.12.16
A5	Site Re-Design	LA	DB	30.11.16
A4	OMB Unit Side Mounted	LA	DB	11.07.16
A3	OMB Solution, Proposed & Relocated Antenna	LA	DB	21.06.16
A2	Full Planning Drawing Set	SM	SM	03.06.16
A1	Preliminary Issue For Comment	SM	JA	27.10.15
No.	Revision	By	Ckd	Date




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 CB25 9TN
 Tel: 01223 792150
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 w: www.sitec-is.co.uk

Site Name & Address:

KT AUTO SERVICES
 107E BARTHOLEMEW ROAD
 KENTISH TOWN
 LONDON
 NW5 2AS

Drawing Title: LOCATION PLAN

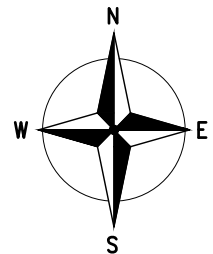
Purpose of Issue: PLANNING

Drawing No: CMN086 01

TM Cell ID: 14979	TM Site ID: 1213378	MBNL Cell ID: CMN086
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Scale: As Shown	Drawn: SM	Date: 27.10.15	Issue:
Checked: JA	Date: 27.10.15	Approved: SDG	Date: 27.10.15

A7



FAULT RAISED: EXISTING BUILDING WALL SHOWS SIGNS OF STRUCTURAL DAMAGE. REMEDIAL WORKS TO BE CARRIED OUT PRIOR TO PROPOSED EE UPGRADE WORKS COMMENCING

GDC PASSED SUBJECT TO REMEDIAL WORKS BEING CARRIED OUT FOR EXISTING CRACKING SURFACES

FOR FULL EQUIPMENT DETAILS SEE DWG 04 EQUIPMENT DETAILS THAT THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH.

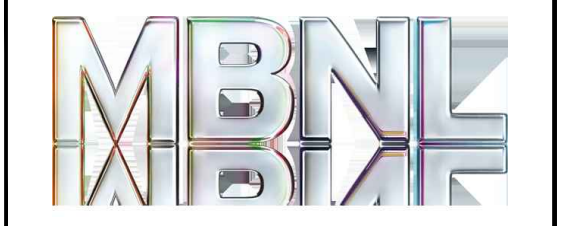
ALL PROPOSED EQUIPMENT AND STEELWORK TO BE BONDED TO EXISTING LIGHTNING PROTECTION SYSTEM

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DEPENDENCIES:

ASBESTOS	Report Required- Requested
BUILDING REGULATIONS	N/A
FIXIT FORM	N/A
GLOBAL DESIGN CHECK	GDC Completed & Approved
ICNIRP CONFORMITY	Complies to GSD008 With Control
UNDERGROUND SERVICES SEARCHES	N/A
STRUCTURAL CHECK	Completed by GDC
COOLING CHECK	N/A

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Drawing Title:	SITE PLAN				
Purpose of Issue:	PLANNING				
Drawing No:	CMN086 02				
TM Cell ID:	14979	TM Site ID:	1213378	MBNL Cell ID:	CMN086
Scale:	As Shown	Drawn:	SM	Date:	27.10.15
Checked:	JA	Date:	27.10.15	Approved:	SDG
				Date:	27.10.15
				Issue:	A7

EXISTING 1.8m HIGH CHAINLINK FENCE WITH 2 STRANDS BARBED WIRE OVER & 3.6m WIDE ACCESS GATES

GROUND LEVEL 0.00m

TRAIN TRACK LEVEL -8.0m

EXISTING 2.1m HIGH BRICK WALL

PROPOSED 1No. MBNL 3959 RRH MOUNTED ON NEW UNISTRUT FRAME FIXED TO EXTERNAL BRICK WALL

PROPOSED 100 WIDE CABLE TRAY HORIZONTALLY MOUNTED TO EXTERNAL WALL TO RUN PROPOSED 2No. 4-50 1800 FEEDER CABLES FROM EXISTING 1800/2100 COMBINERS TO PROPOSED RRH LOCATION

PROPOSED ROTARY ISOLATOR FOR OMB CABINET FIXED TO WALL

PROPOSED MBNL AC OMB CABINET MOUNTED ON NEW UNISTRUT FRAME FIXED TO WALL

EXISTING ANTENNA SUPPORT STEEL SWING ARM FIXED TO EXTERNAL WALL TO BE REMOVED & ANTENNA TO BE RELOCATED

EXISTING STEEL TRUNKING VERTICALLY MOUNTED ON EXTERNAL WALL RUNNING 2No. EXISTING 4-50 1800 FEEDER CABLES AND 2No. 4-50 2100 FEEDER CABLES. EXISTING 2No. 1800 FEEDER CABLES TO BE REMOVED

EXISTING 1No. MBNL 1800/2100 ANTENNA TO BE RELOCATED AND MOUNTED ON 2No. PROPOSED MAFI 3612 SINGLE LEG MOUNT BRACKETS C/W NEW 88.9x3.2 CHS 1.2m LONG ANTENNA POLE. MAFI BRACKETS TO BE FIXED TO PROPOSED 114.3øx6.3 CLIMBABLE CHS SUPPORT POLE FIXED TO BRICK WALL (SEE DRG. 13 FOR DETAILS)

EXISTING 2No. REMEC 1800/2100 COMBINERS MOUNTED TO EXTERNAL WALL TO BE RELOCATED TO SUIT TO ALLOW INSTALLATION OF PROPOSED ANTENNA POLE AND CABLE MANAGEMENT

EXISTING MBNL DEVON CABINET ON ROOF FOUNDATION CONTAINING 1800 GSM EQUIPMENT, 3G NSN FLEXI MODULES, TRANSMISSION AND AC DISTRIBUTION BOARD. 1800 GSM EQUIPMENT TO BE REMOVED AND CABINET TO REMAIN FOR 3G, POWER AND TRANSMISSION

NEW 32A TYPE C MERLIN GERIN MCB TO BE INSTALLED IN EXISTING AC DISTRIBUTION WITHIN EXISTING BTS FOR PROPOSED OMB CABINET

PROPOSED 100 WIDE CABLE TRAY VERTICALLY MOUNTED TO EXTERNAL WALL TO RUN NEW POWER AND TRANSMISSION CABLES

EXISTING LANDLORDS DISTRIBUTION BOARD WITHIN EXISTING GARAGE BUILDING

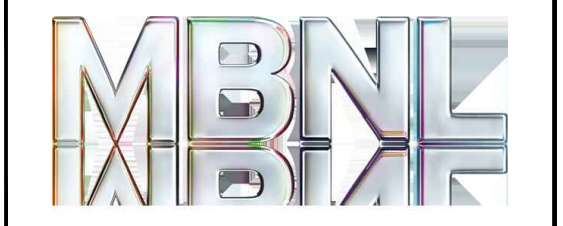
SITE PLAN
(SCALE: 1:100)

100mm
75mm
50mm
25mm
0mm

A3

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KT AUTO SERVICES
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LONDON
NW5 2AS

Drawing Title:			
SOUTH WEST ELEVATION			
Purpose of Issue:			
PLANNING			
Drawing No:			
CMN086 03			
TM Cell ID:	TM Site ID:	MBNL Cell ID:	
14979	1213378	CMN086	
Scale:	Drawn:	Date:	Issue:
As Shown	SM	27.10.15	
Checked:	Date:	Approved:	Date:
JA	27.10.15	SDG	27.10.15
			A7

PROPOSED FEEDER BANDING TO BE INSTALLED AT 1m CENTRES FROM GROUND LEVEL CABLE MANAGEMENT TO ANTENNA POSITIONS FOR PROPOSED 2No. 4-50 FEEDER CABLES

C/L OF RE-LOCATED ANTENNA 5.2m AGL

PROPOSED MBNL AC OMB CABINET MOUNTED ON NEW UNISTRUT FRAME FIXED TO WALL

C/L OF EXISTING ANTENNA 2.7m AGL

PROPOSED 1No. MBNL 3959 RRH MOUNTED ON NEW UNISTRUT FRAME FIXED TO EXTERNAL BRICK WALL

PROPOSED 100 WIDE CABLE TRAY HORIZONTALLY MOUNTED TO EXTERNAL WALL TO RUN PROPOSED 2No. 4-50 1800 FEEDER CABLES FROM EXISTING 1800/2100 COMBINERS TO PROPOSED RRH LOCATION

EXISTING 2.1m HIGH BRICK WALL

EXISTING MBNL DEVON CABINET ON ROOT FOUNDATION CONTAINING 1800 GSM EQUIPMENT, 3G NSN FLEXI MODULES, TRANSMISSION AND AC DISTRIBUTION BOARD. 1800 GSM EQUIPMENT TO BE REMOVED AND CABINET TO REMAIN FOR 3G, POWER AND TRANSMISSION

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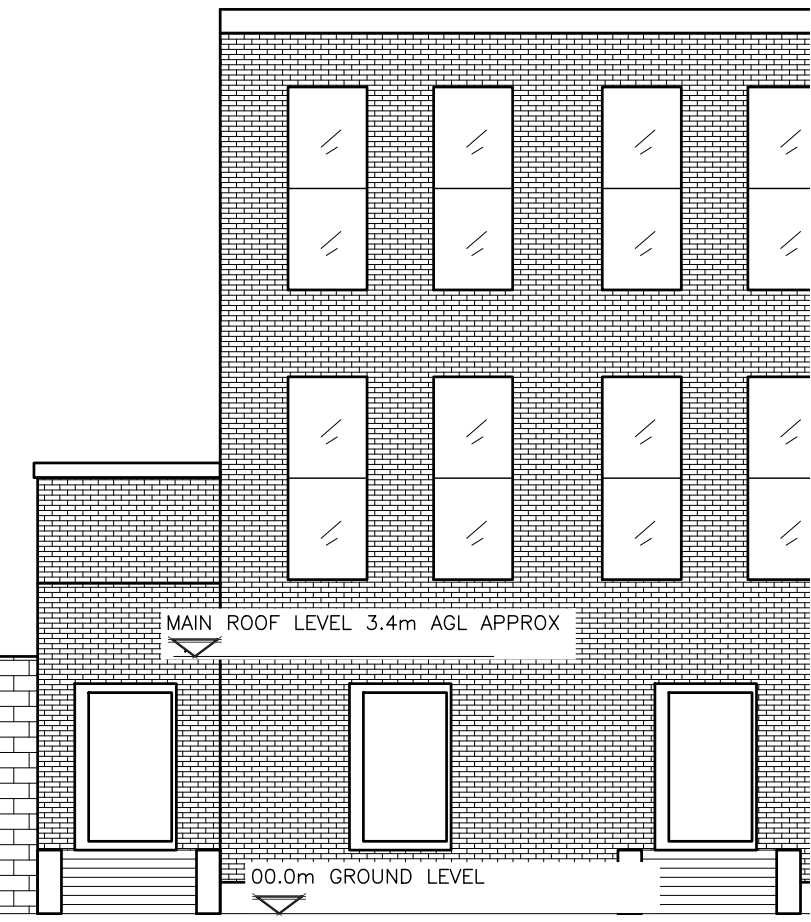
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EXISTING STEEL TRUNKING VERTICALLY MOUNTED ON EXTERNAL WALL RUNNING 2No. EXISTING 4-50 1800 FEEDER CABLES AND 2No. 4-50 2100 FEEDER CABLES. EXISTING 2No. 1800 FEEDER CABLES TO BE REMOVED

PROPOSED 100 WIDE CABLE TRAY VERTICALLY MOUNTED TO EXTERNAL WALL TO RUN NEW POWER AND TRANSMISSION CABLES

PROPOSED ROTARY ISOLATOR FOR OMB CABINET FIXED TO WALL



SOUTH WEST ELEVATION
(SCALE: 1:100)

100mm
75mm
50mm
25mm
0mm

EXISTING CABINET DETAILS

NUMBER: 1No.
 MANUFACTURER: -
 TYPE/REF: DEVON CABINET
 LOCATION: OUTDOOR
 DIMENSIONS: 1450x650x1250 HIGH
 MATERIAL: STEEL
 COLOUR: GREEN
 STATUS: RETAIN
 COMMENTS:

CONTAINING 2G EQUIPMENT, 3G EQUIPMENT & TRANSMISSION. 2G EQUIPMENT TO BE REMOVED & CABINET TO REMAIN

PROPOSED CABINET DETAILS

NUMBER: 1No.
 MANUFACTURER: HUAWEI
 TYPE/REF: AC OMB (Ver.C) CABINET
 LOCATION: OUTDOOR
 DIMENSIONS: 430x240x600 HIGH
 MATERIAL: STEEL
 COLOUR: GREY
 STATUS: PROPOSED
 COMMENTS:

PROPOSED RRH AND FIBRE SYSTEM DETAILS

NUMBER: 1No.
 MANUFACTURER: HUAWEI
 TYPE/REF: RRH (3959, 1800Mhz)
 LOCATION: OUTDOOR
 DIMENSIONS: 300x120x400
 MATERIAL: STEEL
 COLOUR: GREY
 STATUS: PROPOSED
 COMMENTS:

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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

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Drawing Title: EQUIPMENT DETAILS

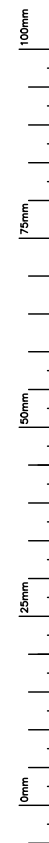
Purpose of Issue: PLANNING

Drawing No: CMN086 04

TM Cell ID: 14979	TM Site ID: 1213378	MBNL Cell ID: CMN086
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Scale: As Shown	Drawn: SM	Date: 27.10.15	Issue:
Checked: JA	Date: 27.10.15	Approved: SDG	Date: 27.10.15

EQUIPMENT DETAILS
 (NOT TO SCALE)



EXISTING ANTENNA SUPPORT STEEL SWING ARM FIXED TO EXTERNAL WALL TO BE REMOVED & ANTENNA TO BE RELOCATED

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PROPOSED 100 WIDE CABLE TRAY HORIZONTALLY MOUNTED TO EXTERNAL WALL TO RUN PROPOSED 2No. 4-50 1800 FEEDER CABLES FROM EXISTING 1800/2100 COMBINERS TO PROPOSED RRH LOCATION

EXISTING MBNL DUCTS SHOWN INDICATIVELY

EXISTING LANDLORDS DISTRIBUTION BOARD WITHIN EXISTING GARAGE BUILDING

EXISTING STEEL TRUNKING VERTICALLY MOUNTED ON EXTERNAL WALL RUNNING 2No. EXISTING 4-50 1800 FEEDER CABLES AND 2No. 4-50 2100 FEEDER CABLES. EXISTING 2No. 1800 FEEDER CABLES TO BE REMOVED

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PROPOSED FEEDER BANDING TO BE INSTALLED AT 1m CENTRES FROM GROUND LEVEL CABLE MANAGEMENT TO ANTENNA POSITIONS FOR PROPOSED 2No. 4-50 FEEDER CABLES

PROPOSED MBNL AC OMB CABINET MOUNTED ON NEW UNISTRUT FRAME FIXED TO WALL

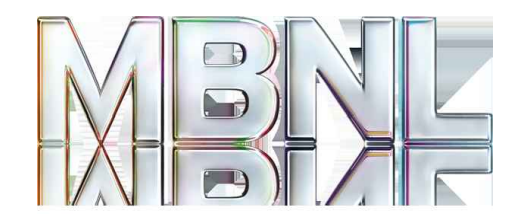
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PROPOSED 100 WIDE CABLE TRAY VERTICALLY MOUNTED TO EXTERNAL WALL TO RUN NEW POWER AND TRANSMISSION CABLES

EQUIPMENT LAYOUT PLAN (SCALE: 1:50)

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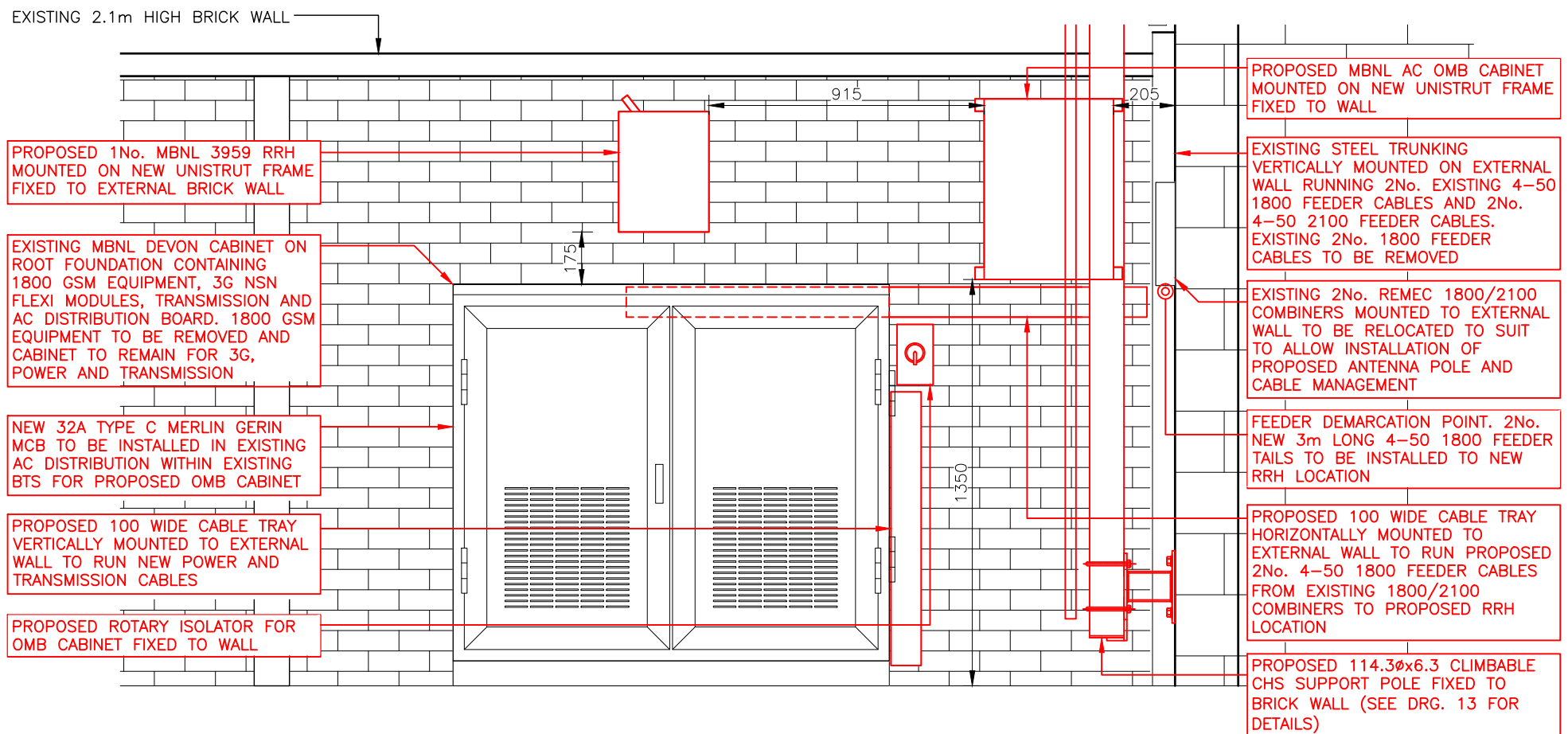
KT AUTO SERVICES
107E BARTHOLEMW ROAD
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NW5 2AS

Drawing Title: EQUIPMENT LAYOUT			
Purpose of Issue: PLANNING			
Drawing No: CMN086 05			
TM Cell ID: 14979	TM Site ID: 1213378	MBNL Cell ID: CMN086	
Scale: As Shown	Drawn: SM	Date: 27.10.15	Issue:
Checked: JA	Date: 27.10.15	Approved: SDG	Date: 27.10.15
			A7

IMPORTANT NOTE: ALWAYS ALLOW HUAWEI TO UNDERTAKE ANY PRE-CHECK, INCLUDING TRANSMISSION PROVING AND WAIT FOR HUAWEI TO GIVE THE OK BEFORE INVESTIGATING ANY OUTAGE FOR RIGGING WORK

- ELECTRICIAN NOTES:**
- KRONE ALARM TO BE TAGGED/LABELLED
 - 17th EDITION CERTIFICATE TO BE LEFT ON SITE FOR HUAWEI, A FURTHER COPY TO BE ISSUED TO SITEC INFRASTRUCTURE SERVICES LTD
 - FULL SET OF PHOTOS TO BE ISSUED TO SITEC INFRASTRUCTURE SERVICES LTD
 - EXISTING UNUSED MCB TO BE SWAPPED OUT FOR NEW C32A MERLIN GERIN MCB AFTER UPGRADE

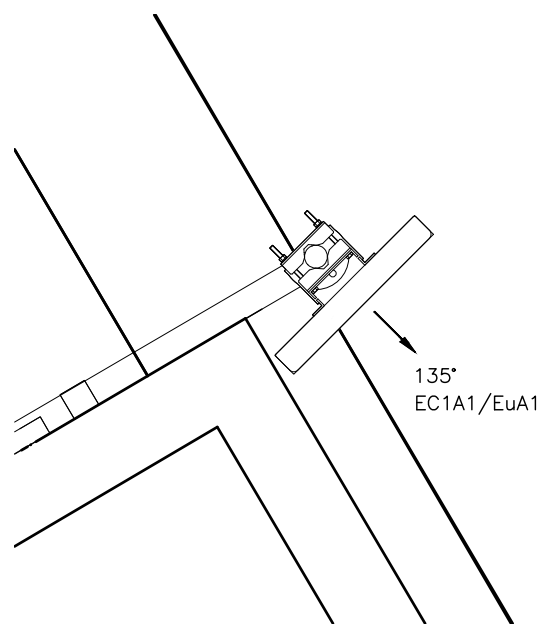
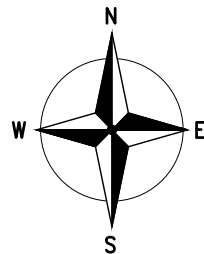
- RIGGING NOTES:**
- SWAP EXISTING 1800 BTS FOR 1No. HUAWEI 3959 RRH AND 1No. AC OMB CABINET
 - EXISTING 1800/2100 ANTENNA TO BE RELOCATED ONTO PROPOSED ANTENNA SUPPORT POLE
 - EXISTING 2No. 1800/2100 FEEDERS TO BE REMOVED AND REPLACED WITH NEW 2No. 1800/2100 FEEDERS
 - EXISTING 1800 BTS TAILS TO BE REMOVED AND NEW 4-50 TAILS TO BE INSTALLED FROM EXISTING COMBINERS TO NEW RRH 3959 LOCATION
 - NEW AC POWER AND TRANSMISSION CABLES TO BE INSTALLED



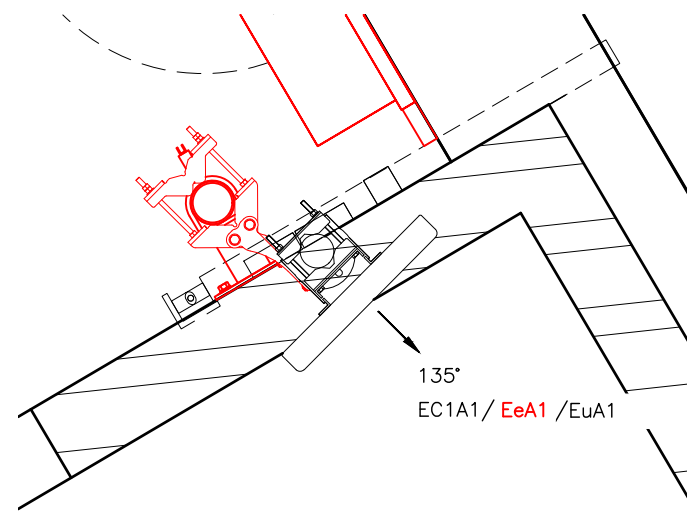
EQUIPMENT LAYOUT SOUTH WEST ELEVATION (SCALE: 1:50)

100mm
75mm
50mm
25mm
0mm

A3



EXISTING ANTENNA DETAILS
(SCALE: 1:20)



PROPOSED ANTENNA DETAILS
(SCALE: 1:20)

ANTENNA LAYOUT
(AS SHOWN)

- 1 ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE
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Drawing Title: ANTENNA LAYOUT

Purpose of Issue: PLANNING

Drawing No: CMN086 06

TM Cell ID: 14979	TM Site ID: 1213378	MBNL Cell ID: CMN086
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Scale: As Shown	Drawn: SM	Date: 27.10.15	Issue: A7
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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.

- 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 WORKS BY OTHERS**
- 5 READ IN CONJUNCTION WITH CONSTRUCTION NOTES DRAWING

A7	Antenna Relocated	LA	DB	20.01.17
A6	New Fixit Submitted	LA	DB	15.12.16
A5	Site Re-Design	LA	DB	30.11.16
A4	OMB Unit Side Mounted	LA	DB	11.07.16
A3	OMB Solution, Proposed & Relocated Antenna	LA	DB	21.06.16
A2	Full Planning Drawing Set	SM	SM	03.06.16
A1	Preliminary Issue For Comment	SM	JA	27.10.15
No.	Revision	By	Ckd	Date



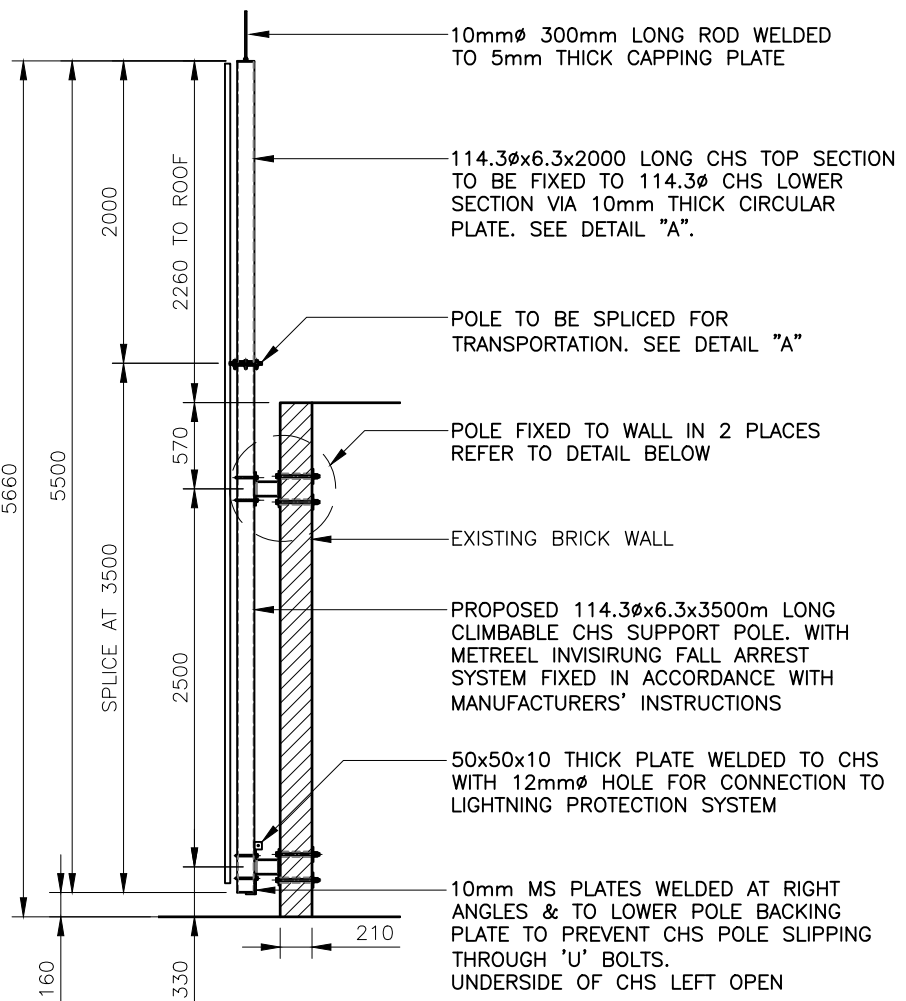
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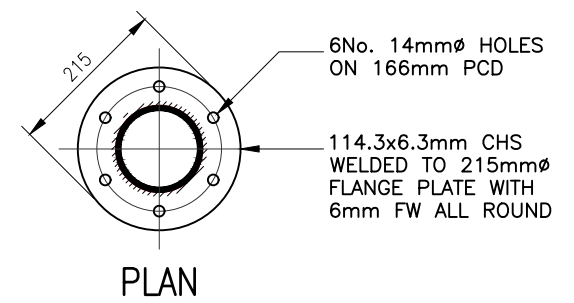
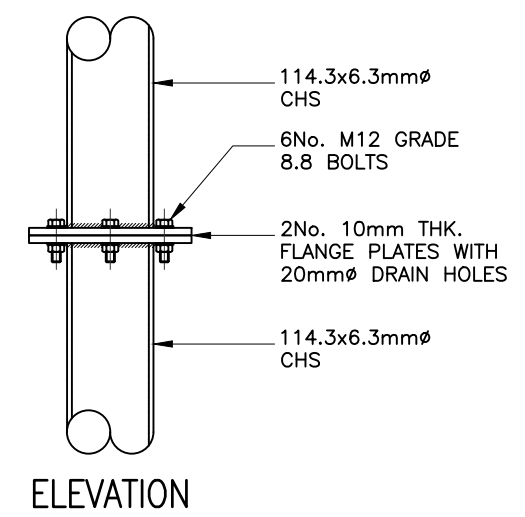
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Purpose of Issue: PLANNING			
Drawing No: CMN086 10			
TM Cell ID: 14979	TM Site ID: 1213378	MBNL Cell ID: CMN086	
Scale: As Shown	Drawn: SM	Date: 27.10.15	Issue:
Checked: JA	Date: 27.10.15	Approved: SDG	Date: 27.10.15
			A7



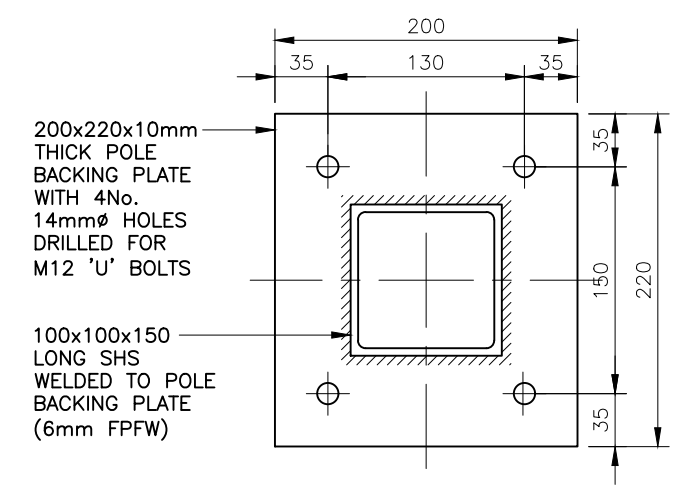
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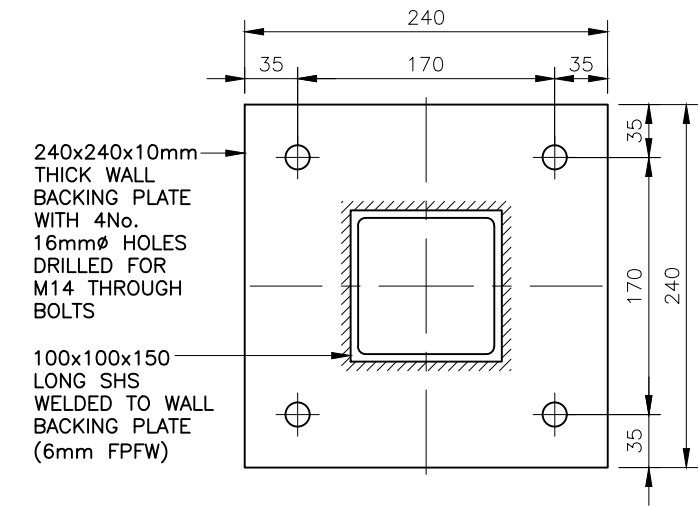
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SPLICE DETAIL 'A'
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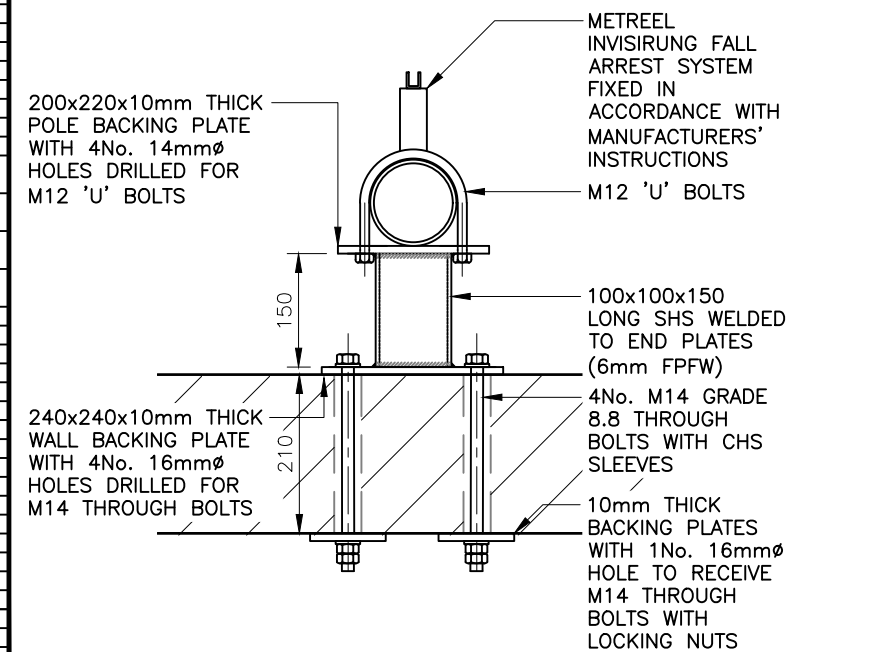


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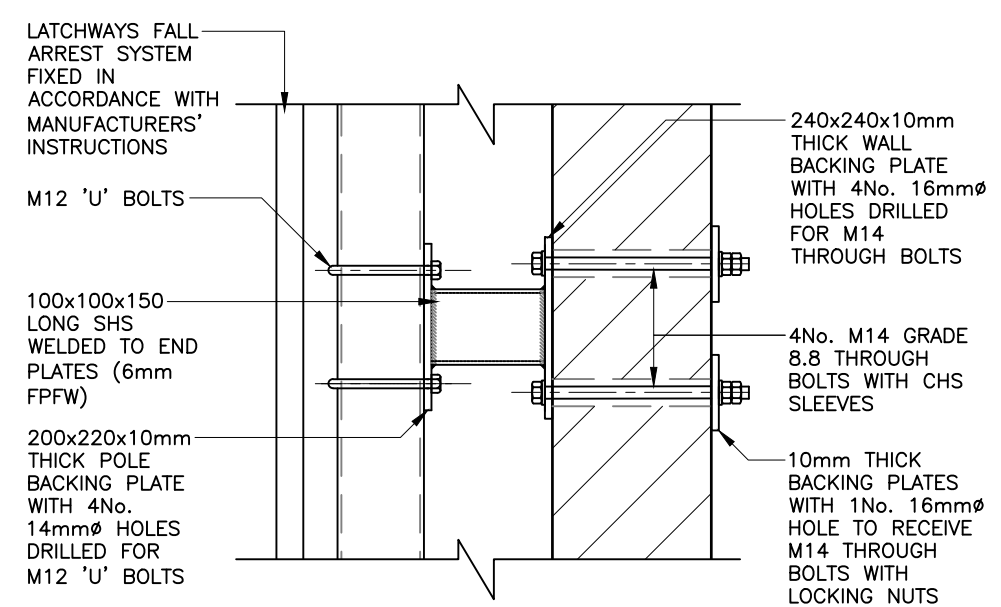


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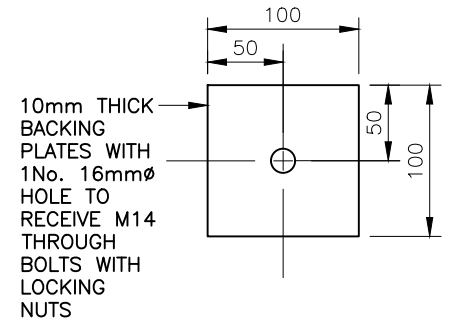
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75mm
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25mm
0mm



POLE FIXING DETAIL PLAN
(SCALE: 1:10)



POLE FIXING DETAIL ELEVATION
(SCALE: 1:10)



BACKING PLATE DETAIL
(SCALE: 1:5)

A7	Antenna Relocated	LA	DB	20.01.17
No.	Revision	By	Ckd	Date



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Drawing Title: ANTENNA SUPPORT POLE FIXING DETAILS

Purpose of Issue: PLANNING

Drawing No: CMN086 13

TM Cell ID: 14979	TM Site ID: 1213378	MBNL Cell ID: CMN086
Scale: As Shown	Drawn: LA	Date: 20.01.17
Checked: DB	Date: 20.01.17	Approved: SDG
		Date: 20.01.17

Issue: A7