

OS LOCATION MAP
Scale 1:50,000

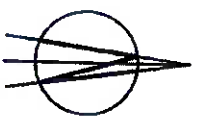


Fig 1. Ground



Fig 2. Proposed Location of ER Mobile Equipment

SITE PHOTOGRAPHS

AN BORD PLEANÁLA

03 NOV 2022

DATE DATED FROM REF.

22. 315039

C	RECEIVED	20/11/22	NR	508
B	RECEIVED	20/11/22	NR	508
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-	RECEIVED	12/01/23	NR	508

DELMEC

Delme Engineering LTD, 10 Barrowville Business Park, Slieve Road, Omagh, Co. Tyrone, BT73 5JW

ER Mobile
2022, Biscuit Avenue
Dublin 24 D24 H403
Ireland

CONSTRUCTION

ER Mobile Site No. KK-2168-01

S.P. Ref: N/A

ER Kells
ER EXCHANGE Kells, HAGGARD
Kells
Co. KILKENNY

MOBILE TELECOMMUNICATIONS
INSTALLATION
LOCATION MAP & PHOTOGRAPHS

Designed by: [Signature]
Date: 12/01/23
Scale: As shown
Rev: C
Dwg No. KK-2168-01-C01

EIR EXCHANGE SITES PROJECT

DETAIL DESIGN

SCOPE OF WORKS

TECHNOLOGY

- PROPOSED EIR L800 HUAMEI RRU SOLUTION
- PROPOSED EIR U900 HUAMEI RRU SOLUTION

STRUCTURAL AND CIVIL WORKS

- EXISTING 15M DELMEC MONOPOLE TO BE REMOVED AND EXISTING MONOPOLE FOUNDATION BROKEN UP AND REMOVED FROM SITE
- SUPPLY AND INSTALL NEW 15M MONOPOLE FOUNDATION AS INDICATED ON DRAWINGS
- RENOVATE 15M DELMEC MONOPOLE ON NEW FOUNDATION BASE
- SUPPLY AND INSTALL ANTENNA, RRU AND DISH SUPPORT STEELWORK TO MONOPOLE. REFER DRAWINGS FOR DETAILS.
- SUPPLY AND INSTALL 150MM UNDERGROUND DUCT FROM EIR MTS9510A-H12001 OUTDOOR CABINET TO MONOPOLE. REFER DRAWINGS FOR DETAILS.
- SUPPLY AND INSTALL 50MM UNDERGROUND DUCT FROM EIR MTS9510A-H12001 OUTDOOR CABINET TO FIBRE CHAMBER. REFER DRAWINGS FOR DETAILS.
- SUPPLY AND INSTALL 50MM UNDERGROUND DUCT FROM EIR MTS9510A-H12001 OUTDOOR CABINET TO EIR SPLIT DOOR RFE CABINET. REFER DRAWINGS FOR DETAILS.
- SUPPLY AND INSTALL 150MM UNDERGROUND DUCT FROM 2ND OPERATOR OUTDOOR CABINET TO MONOPOLE. REFER DRAWINGS FOR DETAILS.
- SUPPLY AND INSTALL 50MM UNDERGROUND DUCT FROM 2ND OPERATOR OUTDOOR CABINET TO FIBRE CHAMBER. REFER DRAWINGS FOR DETAILS.
- SUPPLY AND INSTALL 125MM UNDERGROUND DUCT FROM 2ND OPERATOR OUTDOOR CABINET TO ESB SUPPLY POLE. REFER DRAWINGS FOR DETAILS.
- SUPPLY AND INSTALL SURFACE DRAIN, GULLY, 150mm AG-PPE AND SOAKAWAY PIT. REFER DRAWINGS FOR DETAILS.

ANTENNA AND RIGGING SUMMARY

- PROPOSED 3 No EIR QUADABAND HUAMEI AQ4518P25X06 2.5M LONG ANTENNAS C/W MECHANICAL TILT BRACKETS TO BE INSTALLED ON MONOPOLE FIXED TO MOUNTING FLANGES. ANTI, ANT2, AND ANT3. REFER DRAWING FOR DETAILS.
- PROPOSED 3 No HUAMEI L800/U900 5509 RRU'S TO BE MOUNTED ON MONOPOLE FIXED TO MOUNTING FLANGES. ONE PER QUADABAND ANTENNA. REFER DRAWING FOR DETAILS.
- RET CONTROL CABLE TO RUN FROM HUAMEI L800/U900 5509 RRU TO EACH QUADABAND ANTENNA.
- PROPOSED 1 No FIBRE AND 1 No DC CABLES TO RUN FROM PROPOSED EIR MTS9510A-H12001 CABINET TO EACH HUAMEI L800/U900 5509 RRU (3 FIBRE AND 3 DC CABLES TOTAL). REFER ANTENNA SCHEMATIC FOR CABLE LENGTHS.
- PROPOSED 4 NO 1/2" TUBES TO RUN FROM EACH HUAMEI L800/U900 5509 RRU TO QUADABAND ANTENNA. REFER ANTENNA SCHEMATIC FOR DETAILS.
- SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH DRAWING SHEETS C19 AND C20.

RBS

- SUPPLY AND INSTALL EIR HUAMEI MTS9510A-H12001 OUTDOOR CABINET ON MONOPOLE FOUNDATION. REFER DRAWINGS FOR DETAILS.
- OUTDOOR CABINET TO BE PAINTED DARK GREEN.
- FIT OUT PROPOSED EIR MTS9510A-H12001 CABINET WITH RELEVANT TECHNOLOGIES FIBRE OVERFLOW BOXES AND HEADRALS.

TRANSMISSION

- SUPPLY AND INSTALL EIR 1 No 30MM DISH TO MONOPOLE VIA MOUNTING FLANGE AND SUPPORT POLE. REFER DRAWINGS FOR DETAILS.
- SUPPLY AND INSTALL IF CABLE FROM PROPOSED EIR DISH TO EIR MTS9510A-H12001 CABINET. REFER DRAWINGS FOR DETAILS.
- PROVIDE LINK BETWEEN HUAMEI BB UNITS AND EIR TX

POWER

- SUPPLY AND INSTALL 125MM UNDERGROUND DUCT FROM 2ND OPERATOR OUTDOOR CABINET TO ESB SUPPLY POLE. REFER DRAWINGS FOR DETAILS.
- SUPPLY AND INSTALL 50MM UNDERGROUND DUCT FROM EIR MTS9510A-H12001 OUTDOOR CABINET TO EIR SPLIT DOOR RFE CABINET. REFER DRAWINGS FOR DETAILS.
- PROPOSED EIR HUAMEI PSU TO BE FITTED IN EIR MTS9510A-H12001 CABINET C/W 3 X 3kW RECTIFIERS AND 1 X 155AH BATTERY STRINGS.
- PROVIDE MCB'S FROM NON-ESSENTIAL SIDE OF HUAMEI PSU TO FEED HUAMEI EQUIPMENT VIA NEW HEADRALS.

EARTHING

- ALL NEW EQUIPMENT TO BE EARTHED TO EXISTING EXCHANGE EARTHING SYSTEM. C/W NEW EARTH BARS. REFER DRAWINGS FOR DETAILS.
- EARTH RRU DC CABLES VIA EARTHING KITS TO PROPOSED EARTHING SYSTEM.

COOLING

- PROPOSED EIR MTS9510A-H12001 OUTDOOR CABINET TO BE FITTED WITH SELF-VENT COOLING.

AN BORD PLEANÁLA

03 NOV 2022

LTR DATED FROM REF

LDG

ABP-22.315039

C	RECEIVED	26/07/22	W	508
B	DELIVERY NOT REQUIRED	26/07/22	W	508
A	REF REQUIRED	06/02/22	W	508
-	ITEM DESIGN ISSUE	12/04/21	W	508
No.	Revision	Date	By	Chd

DELMEC

Delme Engineering LTD, 10 Borewellside Business Park, Sney Rood, Orogueenallen, Carrick, R63 C9H7

EIR Mobile
2022, Benicourt Avenue
Dublin 24 D24 HX03
Ireland



CONSTRUCTION

EIR Mobile Site No. KK-2168-01

S.P. Ref: N/A

Site Name

ER KELLS
EIR EXCHANGE KELLS, HAGGARD
KELLS
Co. KILKENNY

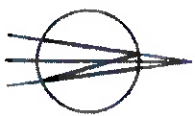
Title

MOBILE TELECOMMUNICATIONS
INSTALLATION

SCOPE OF WORKS

Designed BY	Date 12/08/2022
Drawn BY	Scale AS SHOWN
Rev.	C

Dwg No. KK-2168-01-C02



EXISTING OTHER OPERATOR Ø125mm ESB
POWER ROUTE TBC

EXISTING ER MOBILE U/G Ø150 FEEDER DUCTS

EXISTING TIMBER FENCE

EXISTING ER MOBILE 15m HIGH
DELMEC MONOPOLE

EXISTING RESIDENTIAL DWELLING

EXISTING HEDGE ROW OVER
TIMBER FENCE

EXISTING ER MOBILE 15m HIGH
DELMEC MONOPOLE

EXISTING ER
EXCHANGE
BUILDING

PUBLIC ROAD

EXISTING OLD RESIDENTIAL
DWELLING

EXISTING HEDGE ROW

EXISTING RESIDENTIAL DWELLING

EXISTING ER MOBILE Ø50mm U/G
POWER DUCT

EXISTING ER MOBILE FIBRE
U/G DUCT

EXISTING ER MANHOLES

EXISTING ER EXCHANGE BUILDING

EXISTING ER MOBILE
SPLIT RTE CABINET

EXISTING ER MOBILE
SPLIT RTE CABINET

EXISTING ER MOBILE
Ø125mm U/G DUCT
INSTALLED BETWEEN
ESB POLE & ER SPLIT
RTE CABINET

EXISTING ESB
METAL POLE

EXISTING ER MANHOLES

EXISTING PEDESTRIAN
ACCESS GATE

EXISTING STEPS

EXISTING FOOTPATH

PUBLIC

EXISTING STONE WALL

49.515 ASL

EXISTING OLD
RESIDENTIAL DWELLING

EXISTING ER WOODEN
POLE WITH O/H CABLE

EXISTING SITE LAYOUT PLAN
SCALE 1:100

EIR EXCHANGE SITES PROJECT

DETAIL DESIGN

AN BORD PLEANÁLA

03 NOV 2022

LTR DATED FROM REF.

LDG

ABP. 22.315039

NO.	REVISION	DATE	BY	CHK
C	RECEIVED	28.07.22	W	508
B	REVISION NEW UPDATE	28.07.22	W	508
A	PRE-APPROVED	08.02.22	W	508
-	DETAILED DESIGN	17.08.21	W	508

DELMEC
Delmech Engineering LTD, 10 Borrowdale Business
Park, Slaney Road, Gortlough, Carlow, R93 E9W7

ER MOBILE
2022 Bloncourt Avenue
Citywest Business Campus
Dublin 24 D24 H603
Ireland

CONSTRUCTION

EIR Mobile Site No. KK-2168-01

S.P. Ref: N/A

Site Name
**ER KELLS
ER EXCHANGE KELLS, HAGGARD
KELLS
Co. KILKENNY**

Title
**MOBILE TELECOMMUNICATIONS
INSTALLATION
EXISTING SITE LAYOUT PLAN**

Designed BY Date 12.08.2022
Drawn BY Scale AS SHOWN Rev. C
Dwg No. KK-2168-01-C04

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EIR EXCHANGE SITES PROJECT

DETAIL DESIGN

SITE COORDINATES

Easting	248,324	Latitude	52° 27' 20.436" N
Northing	143,276	Longitude	7° 16' 25.967" W

SITE ENTRANCE GPS COORDINATES

Easting	248,328	Latitude	52° 27' 20.567" N
Northing	143,270	Longitude	7° 16' 26.007" W

AN BORD PLEANÁLA

03 NOV 2022

DATE DATED FROM REF.

LDG 22.315039

REVISED BUILD	26.07.22	NR	SDB
B	26.07.22	NR	SDB
A	06.02.22	NR	SDB
DETAIL DESIGN ISSUE	12.08.21	NR	SDB
No.	Revision	Date	By

DELMEC

Delmech Engineering Ltd, 10 Borrowdale Business Park, Sney Road, Oughterdown, Carrick, N33 EW7

EIR Mobile
2022 Blanch Avenue
Citywest Business Campus
Dublin 24 D24 HK03
Ireland

CONSTRUCTION

EIR Mobile Site No. KK-2168-01

S.P. Ref: N/A

Site Name

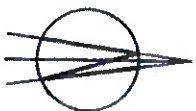
ER KELLS
ER EXCHANGE KELLS, HAGGARD
KELLS
Co. KILKENNY

MOBILE TELECOMMUNICATIONS

INSTALLATION

0 & M ACCESS INSTRUCTION PLAN

Designed SDB	Date 12/08/2021
Drawn W	Scale AS SHOWN Rev. C
Dwg No. KK-2168-01-003	



PROPOSED FUTURE OTHER OPERATOR #125mm
ESB POWER ROUTE TBC

PROPOSED EIR MOBILE CABINET (MODEL HUAMEI)

PROPOSED EIR MOBILE U/G #150 FEEDER DUCTS

EXISTING TIMBER FENCE

PROPOSED EIR MOBILE 15m HIGH
DELMEC MONOPOLE TO REPLACE
EXISTING MONOPOLE ON NEW
FOUNDATION

PROPOSED EIR MOBILE 3 No. QUAD-BAND
2.55m LONG HUAMEI AQUA518R25X06
ANTENNAS TO BE INSTALLED ON MONOPOLE
USING WRAP AROUND BRACKETS

PROPOSED EIR MOBILE 3 No. RRU'S
TYPE 5509 RRU'S TO BE INSTALLED
ON MONOPOLE USING WRAP AROUND
BRACKETS

EXISTING RESIDENTIAL DWELLING
TIMBER FENCE

PROPOSED EIR MOBILE 1 No. #600mm
RT DISH ON SUPPORT POLE

PROPOSED EIR MOBILE 15m
HIGH DELMEC MONOPOLE TO
REPLACE EXISTING WOODEN
POLE

EXISTING EIR
EXCHANGE
BUILDING

PUBLIC ROAD

EXISTING OLD RESIDENTIAL
DWELLING

SITE LAYOUT PLAN

SCALE 1:500

PROPOSED SITE LAYOUT PLAN

SCALE 1:100

SUMMARY OF ACCESS MEANS FOR OPERATIONS & MAINTENANCE (02A4)

ACCESS FROM DELMEC TIME W/TA/RTU TO KELLS SITE IS LOCATED IN KELLS TOWN CENTRE, DISTANCE IS FROM THE HAGGARD ROAD.

EQUIPMENT REFERENCE	ACCESS MEANS FROM GROUND LEVEL	COMMENTS
CABINET	CABINET TO BE LOCATED AT GROUND LEVEL. WHERE SITE PROVIDES FENCING	PULL ARE REQUIRED. EQUIPMENT CABINET IS ON THE GROUND LEVEL.
ANTENNAS	CLIMBING ACCESS TO ACCESS ANTENNAS	USE HUAMEI NEW FULL ANTER SYSTEM AND DOUBLE LADDERS TO CLIMB THE ROOF OF BUILDING. USE TOOL BELTS. IF NEWER REQUIRED FOR ADJACENT ANTENNAS.
DOORS	CLIMBING ACCESS TO ACCESS DOORS	USE HUAMEI NEW FULL ANTER SYSTEM AND DOUBLE LADDERS TO CLIMB THE ROOF OF BUILDING. USE TOOL BELTS. IF NEWER REQUIRED FOR ADJACENT ANTENNAS.

EXISTING HEDGE ROW

EXISTING RESIDENTIAL DWELLING

EXISTING EIR MOBILE #50mm U/G
POWER DUCT

EXISTING EIR MOBILE FIBRE
U/G DUCT

EXISTING EIR MANHOLES

EXISTING EIR EXCHANGE BUILDING

EXISTING ESB WOODEN
POLE WITH O/H CABLE

EXISTING EIR MOBILE
SPLIT RFE CABINET

EXISTING EIR MOBILE
#125mm U/G DUCT
INSTALLED BETWEEN
ESB POLE & EIR SPLIT
RFE CABINET

EXISTING ESB
METAL POLE

PROPOSED NEW ESB
#50mm DUCT TO
EIR EXCHANGE

EXISTING EIR MANHOLES

EXISTING PEDESTRIAN
ACCESS GATE

EXISTING STEPS

EXISTING FOOTPATH

EXISTING STONE WALL

PROPOSED SOAKAWAY PIT
PROPOSED 150mm AG-DRAIN

49.515 ASL

EIR EXCHANGE SITES PROJECT

DETAIL DESIGN

AN BORD PLEANÁLA

03 NOV 2022

LTD DATED FROM REF.

LD 22.315039

REVISED R.A.D.	DATE	BY	CHKD
C	26.07.22	NR	508
B	26.07.22	NR	508
A	06.07.22	NR	508
-	12.06.21	NR	508
No.	Revision	Date	By

DELMEC
Delmec Engineering LTD, 10 Barrowville Business
Park, Steady Road, Gredigueen, Cork, R33 EXW7

EIR Mobile
2022 Barrowville Avenue
Clayton Business Campus
Dublin 24 D24 HXG3
Ireland



CONSTRUCTION

EIR Mobile Site No. KK-2168-01

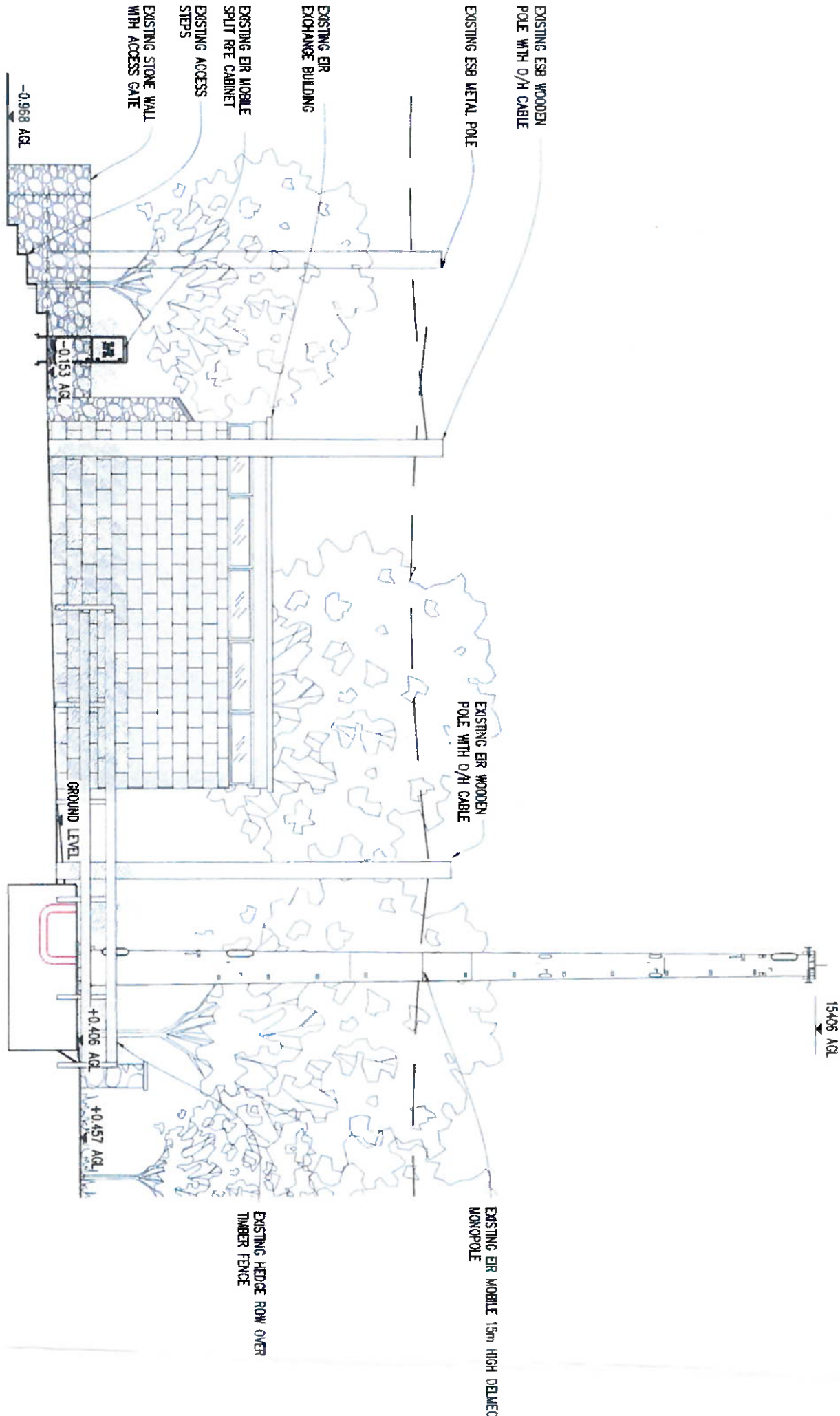
S.P. Ref: N/A

Site Name

ER KELLS
ER EXCHANGE KELLS, HAGGARD
KELLS
Co. KILKENNY

Title
MOBILE TELECOMMUNICATIONS
INSTALLATION
EXISTING ELEVATION

DESIGNED	DATE	SCALE	REV.
Drawn	NR	Scale As SHOWN	Rev. C
Dwg No. KK-2168-01-C06			



EXISTING NORTH-EAST ELEVATION

SCALE 1:100

EIR EXCHANGE SITES PROJECT

DETAIL DESIGN

AN BORD PLEANÁLA

LTR DATED 03 NOV 2022

LDG FROM REF.

APP. 22.315039

NO.	Revision	Date	By	Chd
C	RECEIVED	26.07.22	W	508
B	ELEVATION NEW LAYOUT	20.07.22	W	508
A	REF. REDUCED	06.02.22	W	508
-	DETAIL DESIGN	12.03.21	W	508

DELMEC

Delmech Engineering LTD, 10 Barronside Business Park, Slaney Road, Drogheda, Co. Dub., R03 E3W7

ER Mobile

2022 Barronside Avenue Drogheda, Co. Dub. R03 E3W7

CONSTRUCTION

ER Mobile Site No.	KK-2168-01
S.P. Ref:	N/A

ER KELLS
ER EXCHANGE KELLS, HAGGARD
KELLS
Co. KILKENNY

MOBILE TELECOMMUNICATIONS
INSTALLATION

Designed	2022	Date	12.03.2022
Drawn	W	Scale	AS SHOWN
Rev.	C		

Dwg No. KK-2168-01-C08

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GENERAL NOTES:

- DO NOT SCALE FROM THIS DRAWING. USE WRITTEN DIMENSIONS ONLY.
 - ALL DIMENSIONS ON SITE TO BE CONFIRMED BY CONTRACTOR PRIOR TO CONSTRUCTION/FABRICATION. ANY DEVIATIONS FROM DIMENSIONS SHOWN TO BE BROUGHT IMMEDIATELY TO DESIGNERS ATTENTION.
 - DELMEC HAS CHECKED BY DESIGN, AND IS SATISFIED THAT THE STRUCTURAL SUPPORT ELEMENTS INDICATED IN THE DRAWINGS ARE SUITABLE FOR THEIR MOBILE INTENDED USE. DELMEC CANNOT ACCEPT RESPONSIBILITY FOR ITEMS SUPPLIED WITH MANUFACTURING DEFECTS, OR FOR THOSE NOT INSTALLED IN LINE WITH THE MANUFACTURER'S RECOMMENDATIONS. SUPPLEMENTARY COMPONENTS DELIVERED AS PART OF A PRODUCT (INCLUDING BUT NOT LIMITED TO: BRACKETRY, CONERS, SCREWS AND OTHER FITTINGS) REMAIN THE RESPONSIBILITY OF THEIR MOBILE SUPPLIER.
 - IF IN DOUBT ASK!
- STRUCTURAL STEEL
- ALL PROPOSED STRUCTURAL STEELWORK SHALL BE GRADE S555 HIGH YIELD STEEL TO BS EN 10025 AND STEEL DESIGN TO EN 1993. FOR PURPOSES OF STRUCTURAL ANALYSIS AND GLOBAL DESIGN CHECK EXISTING STEEL SHALL BE ASSUMED TO BE GRADE S275 MILD YIELD STEEL.
 - ALL STRUCTURAL STEELWORK SHALL BE GALVANISED TO BS EN ISO 1461: 2009.
 - ORDINARY BOLTS SHALL BE GRADE 8.8 TO BS 4190:2014, MINIMUM SIZE 16mm DIAMETER.
 - ALL BOLTED CONNECTIONS SHALL HAVE WASHERS AND LOCK NUTS.
 - ALL BOLTS IN GRILLAGES SUPPORTING STUB TOWERS SHALL BE H50F MINIMUM 20mm DIAMETER WITH LOAD INDICATOR WASHERS, TIGHTENED IN ACCORDANCE WITH THE SUPPLIERS RECOMMENDATIONS. ALL BEARING SURFACES SHALL BE CLEAN GALVANISED.
 - ALL EXTERNAL ORDINARY BOLTS SHALL BE HOT DIP GALVANISED TO BS7371-6:1998+A1:2011 UNLESS NOTED OTHERWISE.
 - ALL WELDS SHALL BE MINIMUM 6mm FILLET WELD UNLESS NOTED OTHERWISE. WELDS AT TUBE TO TUBE CONNECTIONS SHALL BE FULL PENETRATION BUTT WELDS.
 - ALL GALVANISING VENT HOLES IN STEELWORK SHALL BE SEALED AGAINST THE INGRESS OF WATER AFTER COMPLETION OF THE GALVANISING. DETAIL TO BE PROVIDED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER. THE ENDS OF ALL HOLLOW SECTIONS SHALL BE SEALED.
 - ALL BEAM-TO-BEAM CONNECTIONS SHALL BE 10mm THICK GLEATS WITH 4 No. M20 GRADE 8.8 BOLTS PER BEAM, UNLESS NOTED OTHERWISE. ALL EDGE DISTANCES AND SPACING BETWEEN BOLTS SHALL BE IN ACCORDANCE WITH EN 1993-1-8: 2005.
 - FABRICATION DRAWINGS BASED ON SITE DIMENSIONS SHALL BE PREPARED BY THE CONTRACTOR FOR ALL STEELWORK AND SHALL BE SUBMITTED TO THE ENGINEER FOR COMMENT.
 - ALL STEELWORK FABRICATION AND ERECTION SHALL BE TO EX2 IN COMPLIANCE WITH THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION FIFTH EDITION, UNLESS NOTED OTHERWISE.

MANUFACTURING SPECIFICATION

- AFTER ERECTION OF STEELWORK ALL DAMAGED AREAS OF GALVANISING SHALL BE MADE GOOD WITH GALVANOD OR EQUAL APPROVED PRODUCT.
- IT IS A LEGAL REQUIREMENT THAT ALL FABRICATED STRUCTURAL STEELWORK DELIVERED TO SITE IS CE MARKED TO EN 1090.

- STEEL SHALL BE MANUFACTURED TO THE APPROPRIATE EXECUTION CLASS AS PER TABLE 8.3 BS EN 1090-2:2008 IN ACCORDANCE WITH IS EN 1090.
 - WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH ISO 3834-3.
 - HOT ROLLED STEEL MEMBERS (EXCLUDING HOLLOW SECTIONS) SHALL BE MINIMUM GRADE S275 IN ACCORDANCE WITH EN10025.
 - COLD FORMED HOLLOW SECTIONS SHALL BE MINIMUM GRADE S355 IN ACCORDANCE WITH EN10219.
 - HOT FINISHED HOLLOW SECTIONS SHALL BE MINIMUM GRADE S355 IN ACCORDANCE WITH EN10210.
 - STEEL SUB CATEGORIES SHALL BE IN ACCORDANCE WITH NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION.
 - BOLTS SHALL BE MINIMUM GRADE 8.8 IN ACCORDANCE WITH EN ISO 898-1 HOT DIP GALVANIZED IN ACCORDANCE WITH EN ISO 10694.
 - U BOLTS SHALL BE MINIMUM GRADE 4.6 SPUN GALVANIZED.
 - GALVANIZING SHALL BE IN ACCORDANCE WITH EN ISO 1461.
- GROUNDWORKS/TOWERS/DUCTS
- THE ALLOWABLE GROUND BEARING PRESSURE IS TO BE DETERMINED BY GEOTECHNICAL SITE INVESTIGATION.
 - ALL SOFT SPOTS ARE TO BE BACKFILLED WITH EITHER BLINDING CONCRETE OR WELL COMPACTED GRANULAR FILL.
 - THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO ALLOW FOR INSPECTION OF ALL FORMATIONS PRIOR TO CONCRETING. REASONABLE NOTICE IS TO BE GIVEN TO ALLOW ANY INSPECTION TO BE CARRIED OUT.
 - THE TOWER SUPPLIER SHALL SUPPLY THE TOWER SUPPORT STUB TEMPLATE TO BE CAST INTO THE FOUNDATION IN ACCORDANCE WITH TOWER SUPPLIERS SPECIFICATION AND TOLERANCES.
 - THE UPPER SURFACE OF THE TOWER FOUNDATION SHALL BE PROVIDED WITH A SLIGHT FALL (<1:100) FROM CENTRE OF THE FOUNDATION TO OUTSIDE EDGES.
 - THE TOWER BASE EXCAVATION TO FORMATION LEVEL SHALL BE INSPECTED BY A QUALIFIED CIVIL ENGINEER WHO'S APPROVAL MUST BE DOCUMENTED IN THE BUILD HANDOVER PACK.
 - MINIMUM PERIOD BETWEEN CASTING TOWER BASE AND INSTALLATION OF TOWER SHALL BE 14 DAYS.
 - ALL DUCTS SHALL BE SMOOTH WALL UPVC DUCTS, WITH DRAM CORO. ALL DUCTS ARE TO BE PROVIDED WITH SLOW RADIUS BENDS AT ALL CHANGES IN DIRECTIONS.
 - DUCTS CAST IN CONCRETE SHALL BE ADJUSTED LOCALLY TO AVOID TOWER SUPPORT STUB TEMPLATE.

CONCRETE

- ALL MASS AND REINFORCED CONCRETE SHALL BE GRADE C28/35 TO EN 206 WITH 20mm NOMINAL MAXIMUM SIZE AGGREGATE. MINIMUM CEMENT CONTENT OF 300kg/m³ AND A MAXIMUM WATER : CEMENT RATIO OF 0.6.
- ALL BLINDING CONCRETE SHALL BE GRADE C8/10 IN ACCORDANCE WITH EN 206 WITH MINIMUM CEMENT CONTENT OF 200kg/m³ AND A MAXIMUM WATER : CEMENT RATIO OF 0.6.
- REINFORCEMENT:
PRETEX '8' = GRADE B500B STEEL
REINFORCEMENT TO BS 4449.
- MINIMUM CONCRETE COVER TO FORMED OR PREPARED SURFACES TO BE 40mm UNLESS NOTED OTHERWISE.
- CONCRETE TO EACH BASE TO BE PLACED IN ONE CONTINUOUS POUR.
- FORMED FINISHES TO BE BASIC FINISH/PLAIN SMOOTH FINISH.
- WORKED FINISHES TO BE TAMPED FINISH/ BRUSHED FINISH/ STEEL FLOAT FINISH.
- CONTRACTOR TO PROVIDE SUITABLE CHAIRS TO SUPPORT TOP MAT REINFORCEMENT.
- A SET OF THREE 100 OR 150mm CUBES FROM EACH CONCRETE POUR SHALL BE PREPARED, CURED AND TESTED IN ACCORDANCE WITH EN 12390. ONE CUBE SHALL BE TESTED AT 7 DAYS AND THE REMAINING TWO AT 28 DAYS.
- A MINIMUM OF 2 DAYS NOTICE IS TO BE GIVEN TO ENGINEERS, PRIOR TO POURING OF CONCRETE ELEMENTS, SO THE WORKS MAYBE INSPECTED.

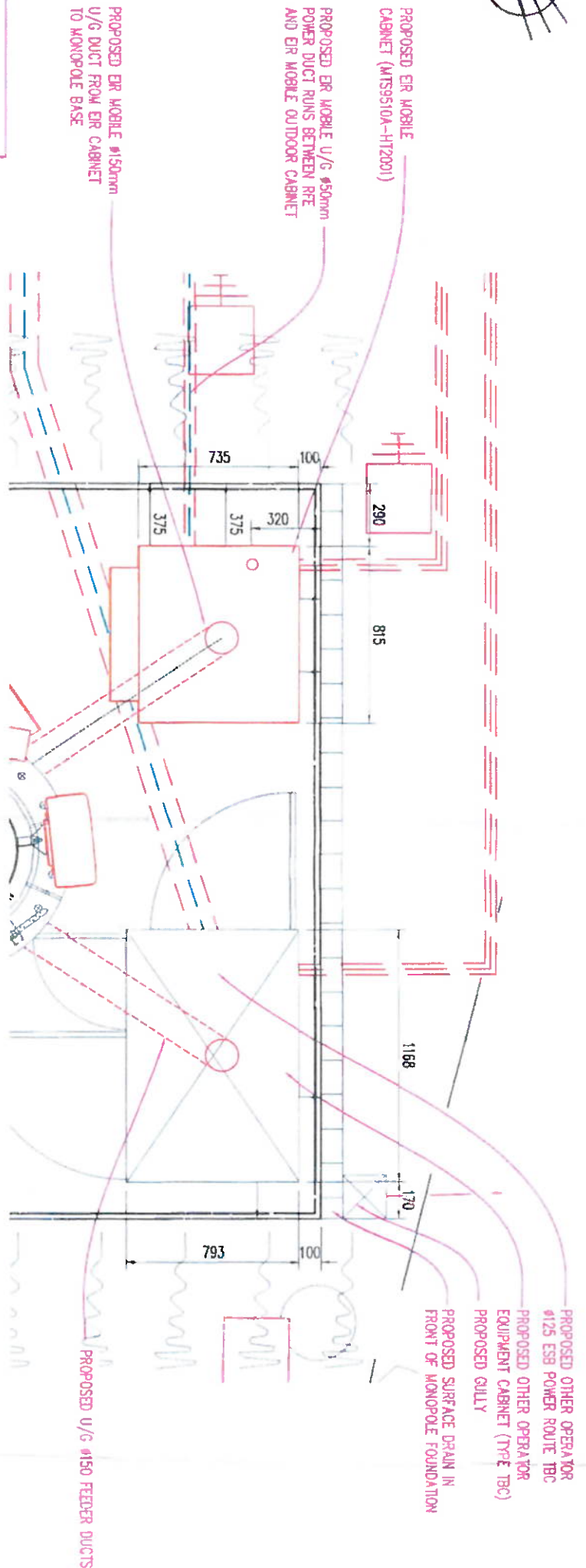
FASTENERS

- CHEMICAL ANCHORS INTO SOLID MASONRY SHALL BE FISCHER FIS V INJECTION SYSTEM WITH FIS-A A4 STAINLESS STEEL (SS) ANCHOR RODS UNLESS NOTED OTHERWISE. USE NYLON TOP HAT WASHERS TO SEPARATE STAINLESS STEEL BOLTS FROM STRUCTURAL STEEL PLATES/ROOF CANTY WALLS & BLOCKS USE INJECTION ANCHOR SLEEVE FIS H 16 x 1000 L CUT TO SUIT DEPTH.
- CHEMICAL ANCHORS INTO CONCRETE SHALL BE FISCHER FIS INJECTION SYSTEM WITH FIS-A A4 STAINLESS STEEL ANCHOR RODS UNLESS NOTED OTHERWISE.
- CHEMICAL ANCHORS INTO CONCRETE FOR REINFORCEMENT STARTER BARS SHALL BE FISCHER FIS EM INJECTION SYSTEM UNLESS NOTED OTHERWISE.

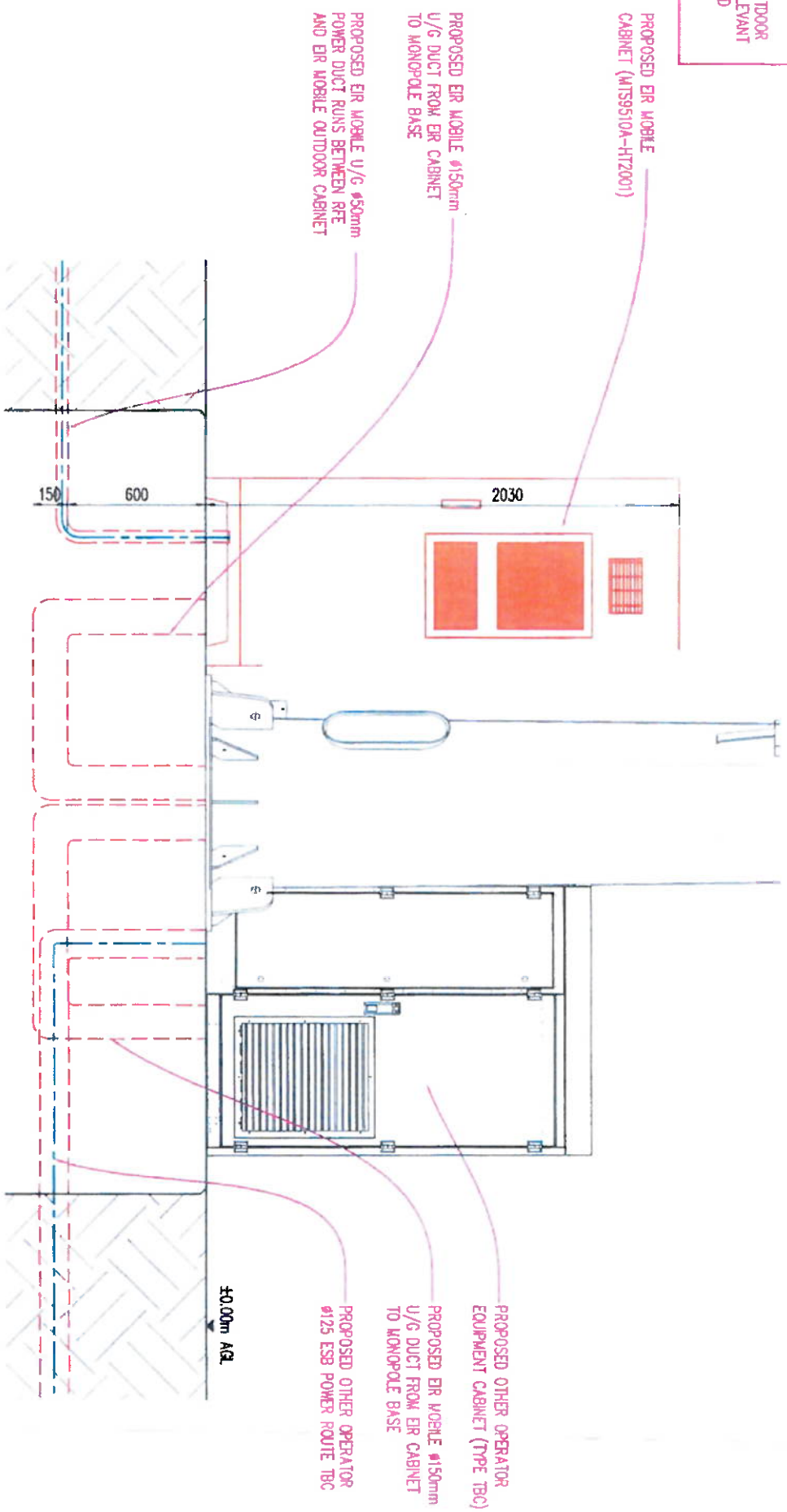
- REMEDIAL WALL TIES SHALL HAVE CHEMICAL FIXINGS TYPE HW BY HILTI OR SIMILAR APPROVED.
- AXIAL PULL OUT TEST IS REQUIRED ON EXISTING BOLTS - PULL OUT FORCE TO 5.0kN UNLESS SPECIFIED OTHERWISE BY STRUCTURAL ENGINEER (ULTIMATE VALUE).
- ANCHORS SHALL BE TESTED IN ACCORDANCE WITH THE HSA 'CODE OF PRACTICE FOR THE DESIGN AND INSTALLATION OF ANCHORS'.
- PROOF LOAD TESTS SHOULD BE UNDERTAKEN TO DETERMINE THE CAPACITY OF THE CONNECTION IS IN ACCORDANCE WITH THE DESIGN.
- THE TESTING RATE OF ANCHORS SHALL BE 3No. FIXINGS OR 2.5% OF THE TOTAL NUMBER OF FIXINGS OF EACH SITE AND TYPE, WHICHEVER GIVES THE GREATER NUMBER. FOR SITUATIONS WHERE THERE ARE LESS THAN 3No. ANCHORS OF ANY TYPE AND/OR SIZE THEN ALL ANCHORS OF ANY TYPE AND/OR SIZE SHALL BE TESTED.
- ALL ANCHORS USED IN A STRUCTURAL CAPACITY ARE REQUIRED TO HAVE A EUROPEAN TECHNICAL APPROVAL (ETA).
- ANCHORS SHOULD BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- ACTION TO BE TAKEN IN THE EVENT THAT DRILLING IS ABORTED, E.G. DUE TO ENCOUNTERING REINFORCEMENT FOR EXAMPLE IT MAY BE RECOMMENDED TO EITHER INSTALL THE ANCHORS IMMEDIATELY BESIDE THE ABORTED DRILL HOLE PROVIDED THAT ANCHORING DEPTH IS INCREASED BY THE DEPTH OF THE ABORTED HOLE, OR MAKE A NEW DRILLING AT A MINIMUM DISTANCE AWAY OF TWICE THE DEPTH OF THE ABORTED HOLE. ALTERNATIVELY, A SMALLER DISTANCE MAY BE CHOSEN PROVIDED THE ABORTED DRILL HOLE IS FILLED WITH HIGH STRENGTH MORTAR. HOWEVER, UNLESS THE ABORTED DRILL HOLE IS FILLED WITH MORTAR, IT IS NOT PERMISSIBLE UNDER SHEAR OR TENSION TENSION LOAD FOR IT TO BE CLOSER THAN 1.0 m_d OR 5.0 d_e TO THE ABORTED HOLE IN THE DIRECTION OF LOAD APPLICATION.
- ALL ABORTED HOLES TO BE FILLED WITH FIS V CHEMICAL INJECTION MORTAR. CURE TIME @ 10°C IN 90 MINUTES TO A STRENGTH OF 50N.
- WHERE CURE TIMES CONFLICT WITH PROGRAM DOWNTIMES REDRILLING MUST BE AT A MIN. DISTANCE OF 2x DRILL DEPTH.



NOTE:
• SUPPLY AND INSTALL EIR PROPOSED EIR MOBILE HUAWAI OUTDOOR CABINET TYPE MTS9510A-H12001 ON MONOPOLE FOUNDATION REFER DRAWINGS FOR DETAILS
• FIT OUT PROPOSED EIR MOBILE HUAWAI OUTDOOR CABINET TYPE MTS9510A-H12001 WITH RELEVANT TECHNOLOGIES FIBRE OVERFLOW BOXES AND HEADRALS.



EQUIPMENT CABINET LAYOUT PLAN
SCALE 1:25



EQUIPMENT CABINET FRONT ELEVATION
SCALE 1:25

EIR EXCHANGE SITES PROJECT
DETAIL DESIGN

03 NOV 2022
22.315039
REF.

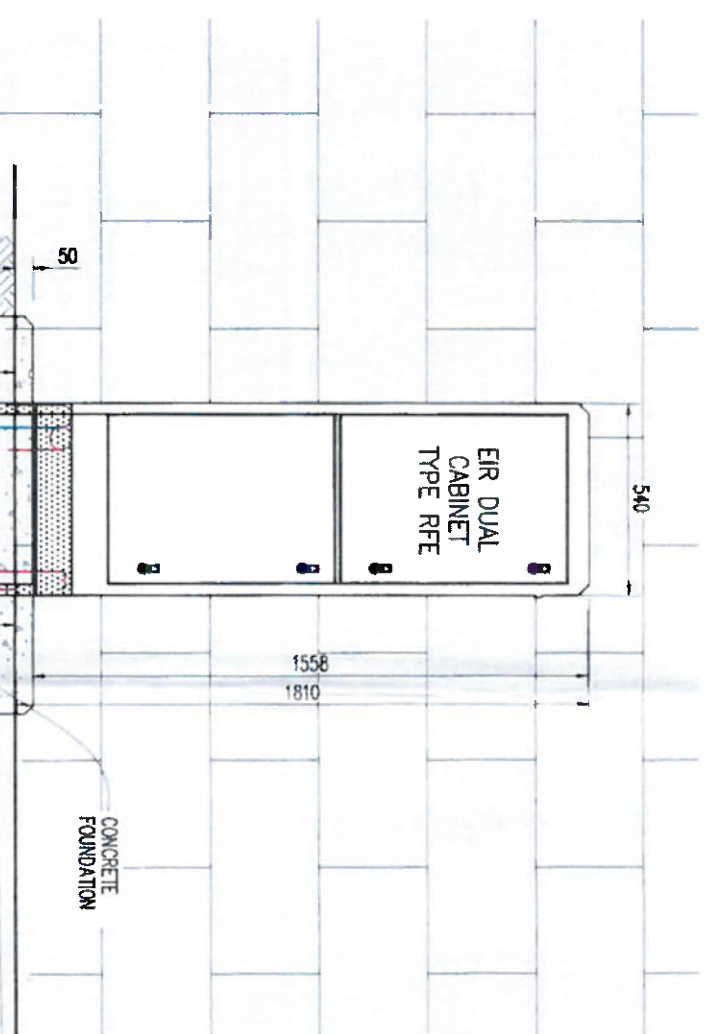
No.	Revision	Date	By	Chd
C	RECEIVED	28/07/22	NR	SRB
B	ELEVATION REVISION	28/07/22	NR	SRB
A	REV. REQUIRED	06/07/22	NR	SRB
-	ORIGINAL ISSUE	12/06/21	NR	SRB

DELMEC
Delme Engineering LTD, 10 Bernawade Business Park, Steady Road, Grangequinn, Carlow, R93 E3W7
EIR Mobile
2022 Bernawade Business Campus
Dukin 24 D24 HX03
Ireland

CONSTRUCTION	
EIR Mobile Site No.	KK-2168-01
S.P. Ref:	N/A
Site Name	ER KELLS ER EXCHANGE KELLS, HAGGARD KELLS Co. KILKENNY
Title	MOBILE TELECOMMUNICATIONS INSTALLATION EQUIPMENT DETAIL 1
Designed by	Date 12/06/2021
Drawn by	Scale AS SHOWN Rev. C
Dwg No. KK-2168-01-C09	

EIR EXCHANGE SITES PROJECT

DETAIL DESIGN

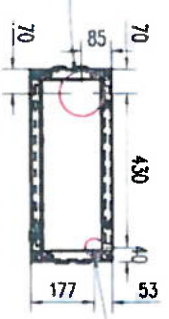


1 No. 6125mm DUCT TO ESB RUN
600mm BELOW GROUND LEVEL

1 No. 650mm DUCT TO
EQUIPMENT CABINET

1 No. 6125mm DUCT TO ESB RUN
600mm BELOW GROUND LEVEL

1 No. 650mm DUCT TO
EQUIPMENT CABINET



EXISTING ELEVATION RFE METER

CABINET DETAILS

SCALE 1:20

AND DONALD PLEANNÁLA

03 NOV 2022

LTR DATED FROM REF.

LDG. 22, 315039

ABP. 22, 315039

No.	Revision	Date	By	Chd
C	REISED RAO	26.07.22	NR	508
S	ELEVATION NEW UPWARD	26.07.22	NR	508
A	REV RELEASED	06.02.23	NR	508
-	DETAIL DESIGN ESB	12.06.21	NR	508

DELMEC
Deane Engineering LTD, 10 Barronside Business
Park, Steady Road, Gortnaculgan, Carlow, R93 EW7

ERI Mobile
2022 Barronville Avenue
Dublin 24 D24 H003
Ireland



CONSTRUCTION

ERI Mobile Site No. KK-2168-01

S.P. Ref: N/A

Site Name

ER KELLS

ER EXCHANGE KELLS, HAGGARD

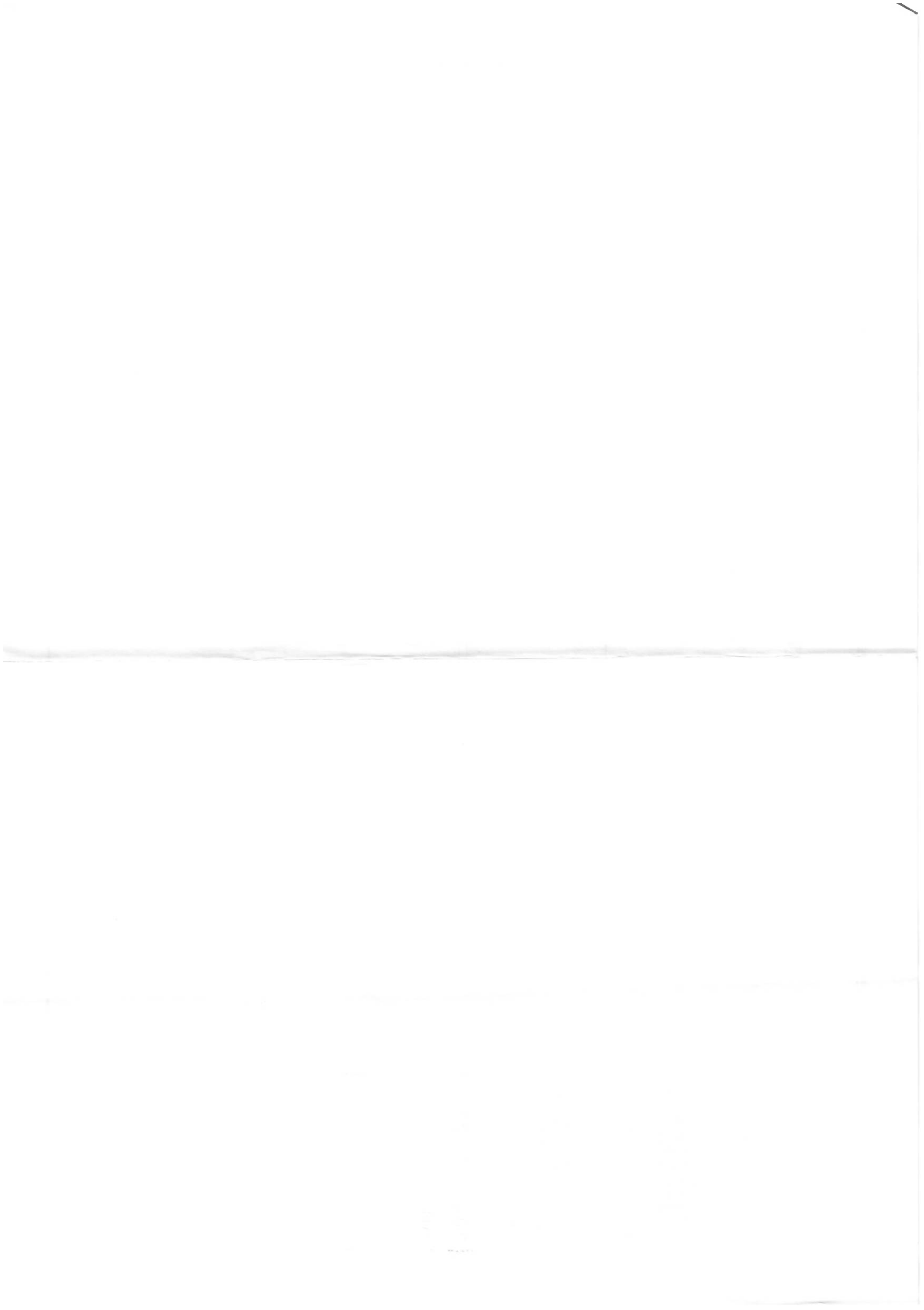
KELLS

Co. KILKENNY

Title

MOBILE TELECOMMUNICATIONS
INSTALLATION
EQUIPMENT DETAIL 2

Designed 208
Drawn 208
Scale AS SHOWN
Rev. C
Dwg No. KK-2168-01-C10



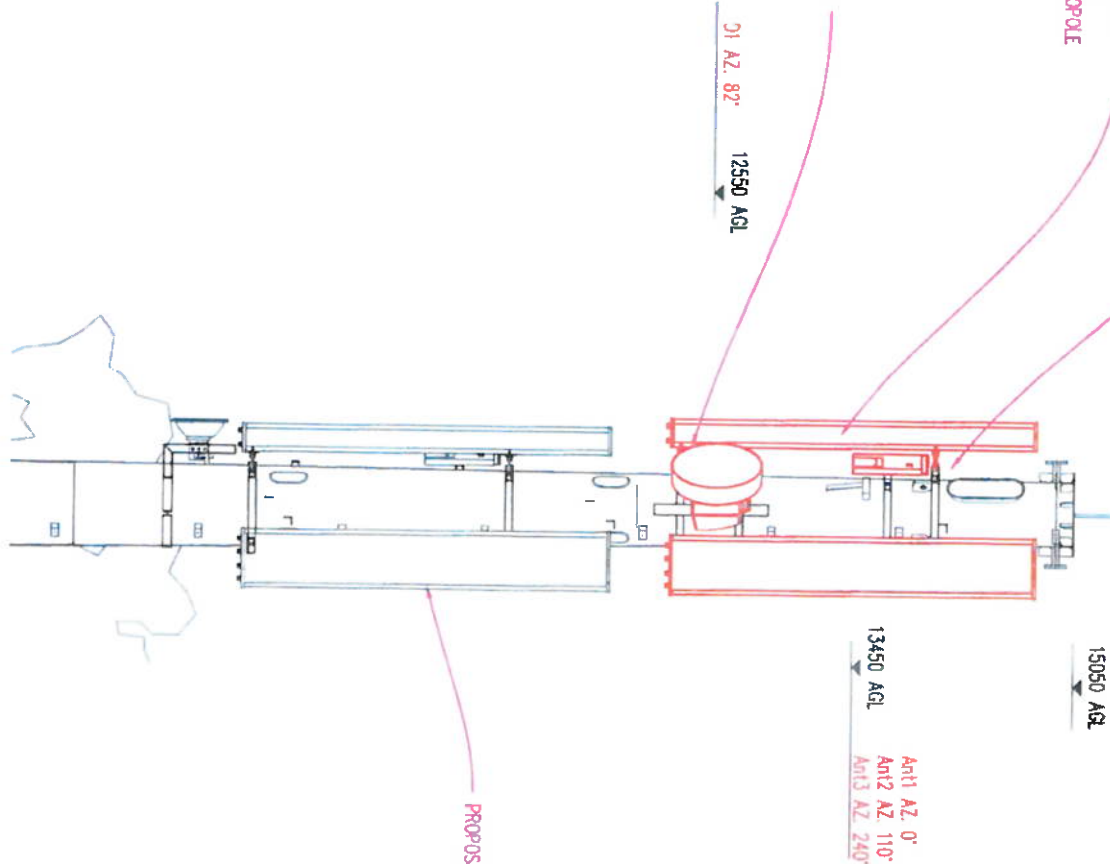
EIR EXCHANGE SITES PROJECT

DETAIL DESIGN

PROPOSED EIR MOBILE 3 No. RRU'S TYPE S509
RRU'S TO BE INSTALLED TO MONOPOLE USING
WRAP AROUND BRACKETS

PROPOSED EIR MOBILE 3 No. QUAD-BAND
2.55m LONG HUAMEI AQUA51825x6
ANTENNAS TO BE INSTALLED TO MONOPOLE
USING WRAP AROUND BRACKETS

PROPOSED EIR MOBILE 1 No. #600mm
RT DISH ON SUPPORT POLE



EIR MOBILE ANTENNA AND RRU MOUNTING DETAILS
SCALE 1:50

C	REVISION	26.07.22	NR	SDB
B	REVISION	26.07.22	NR	SDB
A	RFI REJECTED	06.02.22	NR	SDB
-	DETAILED WORKS	12.06.21	NR	SDB

DELMEC
Delme Engineering LTD, 10 Bannockburn Business
Park, Sandy Road, Castleguard, Carrick, N23 1N7
EIR Mobile
2022 Bannockburn Avenue
O'Connell Business Campus
Dublin 24 D24 HX03
Ireland



CONSTRUCTION

EIR Mobile Site No. KK-2168-01

S.P. Ref: N/A

Site Name
ER KELLS
EIR EXCHANGE KELLS, HAGGARD
KELLS
CO. KILKENNY

The
MOBILE TELECOMMUNICATIONS
INSTALLATION
ANT & RRU'S MOUNTING

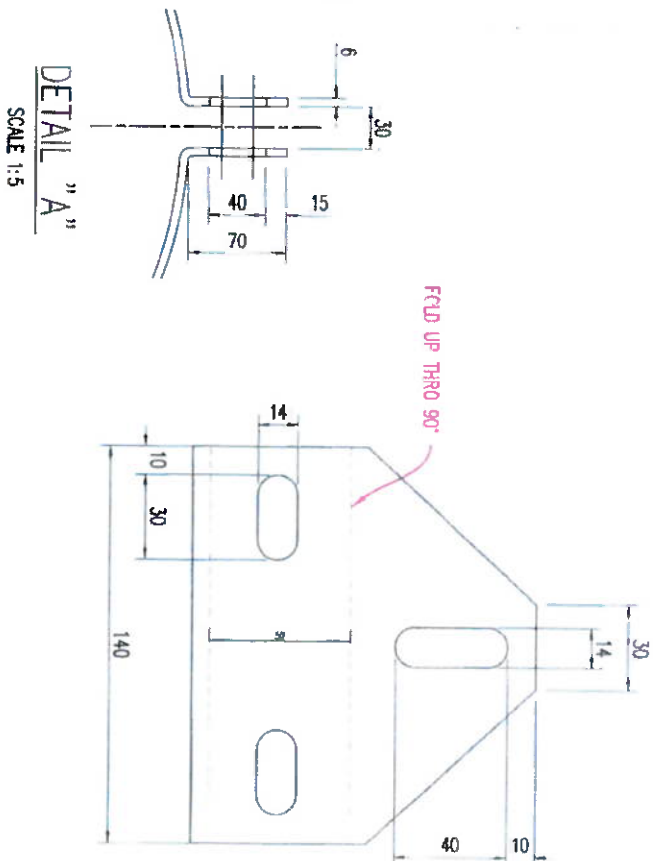
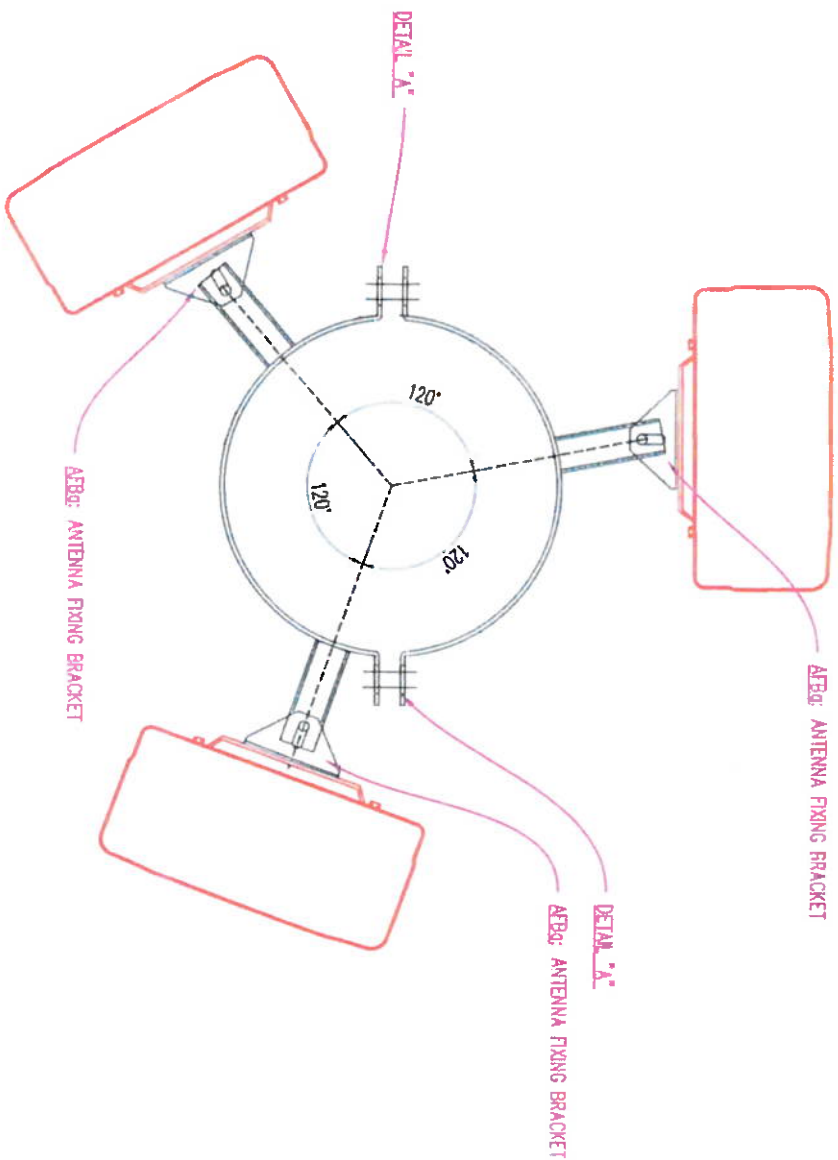
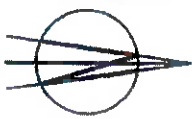
Designed SDB Date 12.06.21
Drawn M Scale AS 500M Rev. C

Dwg No. KK-2168-01-C11

03 NOV 2022

DATE DATED FROM REF

22.315039

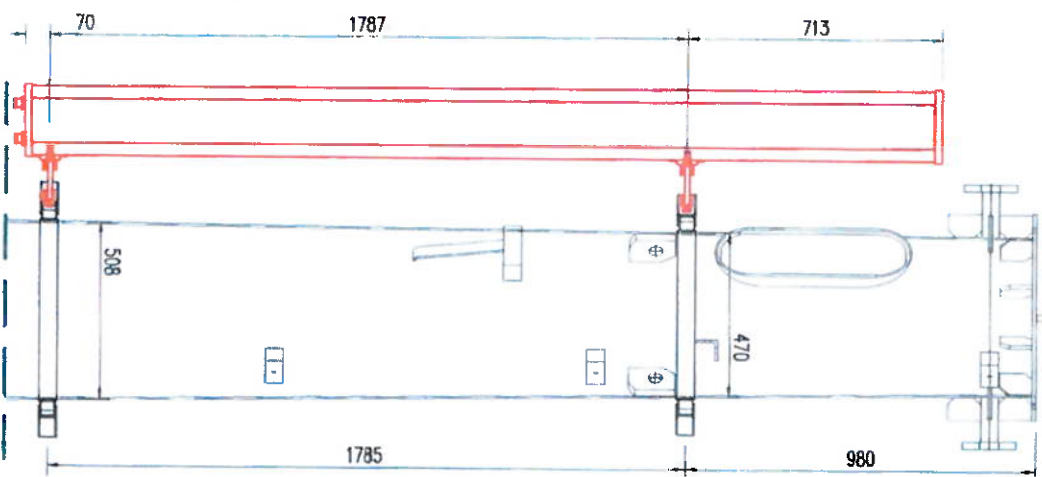


AFB: ANTENNA FIXING BRACKET
DEVELOPMENT 6mm PLATE
6 NO REQUIRED
SCALE 1:2.5

ANTENNA WRAPROUND 2 NO. IN TOTAL
SCALE 1:10

ANTENNA WRAPROUND MC1-01
SIDE VIEW
(1NO. SEGMENT SHOWN)
SCALE 1:5

- NOTE:
1. ALL STEELWORK DETAILS AND DIMENSIONS SHOWN ARE INDICATIVE.
 2. ALL FABRICATION AND SPECIFICATIONS ARE SITE SPECIFIC BY DELMEC.
 3. ALL FABRICATION STEELWORK TO BE CARRIED OUT TO DELMEC SPECIFICATIONS AND DETAILS.



ANTENNA WRAPROUND
VERTICAL LOCATION
SCALE 1:20

EIR EXCHANGE SITES PROJECT

DETAIL DESIGN

03 NOV 2022

LTD DATED FROM REF

LDG 22 315039

No.	Revision	Date	By	Chd
C	REISED BOLD	26.07.22	NR	508
B	REVISION NEW UPHELD	26.07.22	NR	508
A	REF RELOCATED	06.02.22	NR	508
-	BEFORE DESIGN ISSUE	12.06.21	NR	508

DELMEC

Delmech Engineering LTD, 10 Barnmore Business Park, Slieve Road, Stranmillis, Co. Wick, R53 E3W7

EIR Mobile
2022 Blarney Avenue
Citywest Business Campus
Dublin 24 D24 KX03
Ireland

CONSTRUCTION

EIR Mobile Site No. KK-2168-01

S.P. Ref: N/A

Site Name

ER KELLS
ER EXCHANGE KELLS, HAGGARD
KELLS
CO. KILKENNY

Title
MOBILE TELECOMMUNICATIONS
INSTALLATION
ANTENNA STEELWORK DETAILS

Designed: NR Date: 12/06/2021
Drawn: NR Scale: As Shown Rev: C
Dwg No: KK-2168-01-C12

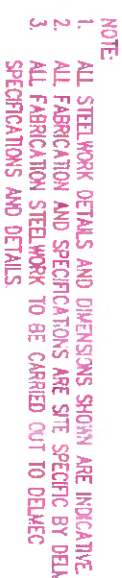
DETAIL DESIGN



SCALE 1:2.5



SCALE 1:10



SCALE 1:10



SCALE 1:5



SCALE 1:20

03 NOV 2022

LTR DATED	FROM	REF
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LDC

22.315039

No.	Revision	Date	By	Chk.
C	REVISED BLDG	26.07.22	HR	SDB
B	REVISION NOT UPLOADED	26.07.22	HR	SDB
A	REV. REV. C.C. NOT	06.02.22	HR	SDB
-	REVISED BLDG ISSUE	12.06.21	HR	SDB

DELMEC
 Detroit Engineering LTD, 10 Barmwicks Business
 Park, Steady Road,
 Girdlingcliff, Crowth, R33 5W7

ER Mobias
2022 Bionceti Avenue
Citywest Business Campus
Dublin 24 D24 HK03
Ireland

CONSTRUCTION

Mobile Site No. KK-2168-01

S.P. Ref: N/A

Site Name

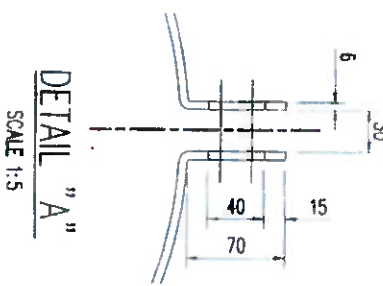
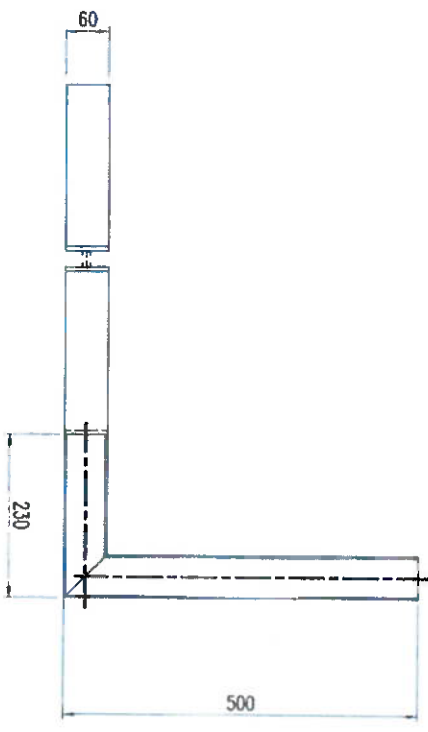
**EUR KELS
EUR EXCHANGE KELS, HAGGARD
KELS
Co. KILKENNY**

**MOBILE TELECOMMUNICATIONS
INSTALLATION
RRU STEELWORK DETAILS**

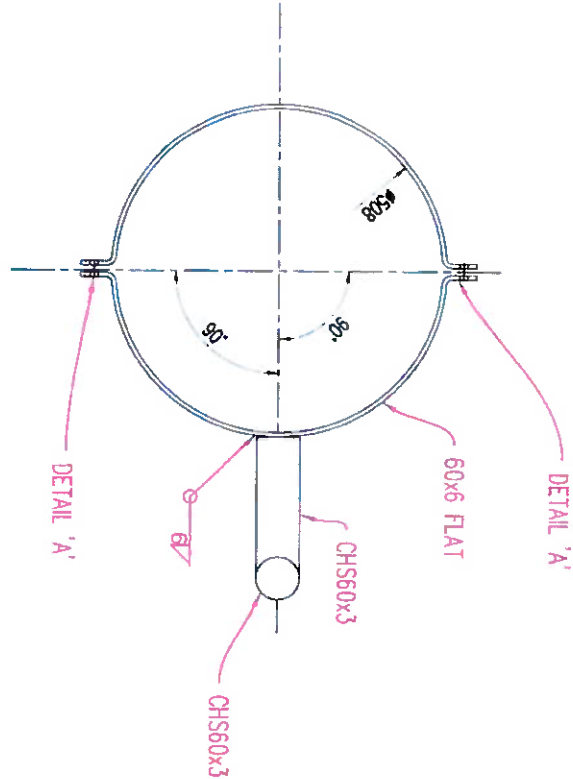
Designed 208	Date 12/01/2007
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Drawn	Scale AS 2000	Rev. C
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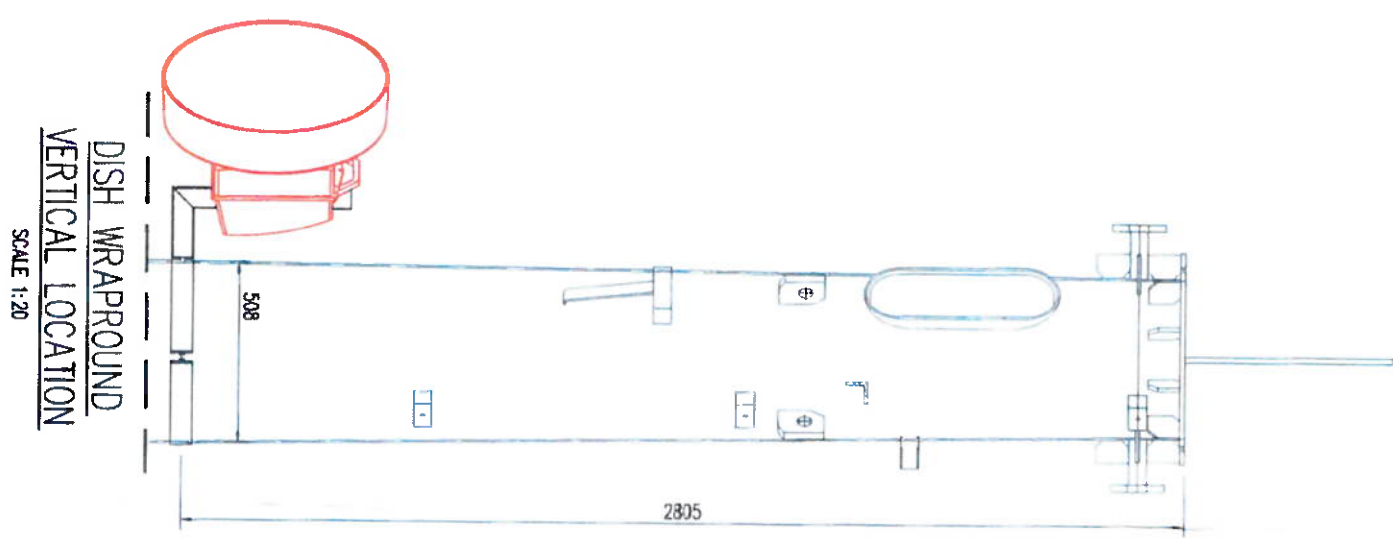
Dwg No. KK-2168-01-C13



DISH WRAPROUND FIXING No.5
SOLUTION ELEVATION VIEW
SCALE 1:10



Ø300mm RT DISH
WRAPROUND FIXING No.5 SOLUTION LAYOUT
SCALE 1:10



DISH WRAPROUND
VERTICAL LOCATION
SCALE 1:20

03 NOV 2022

REF.

22.315039

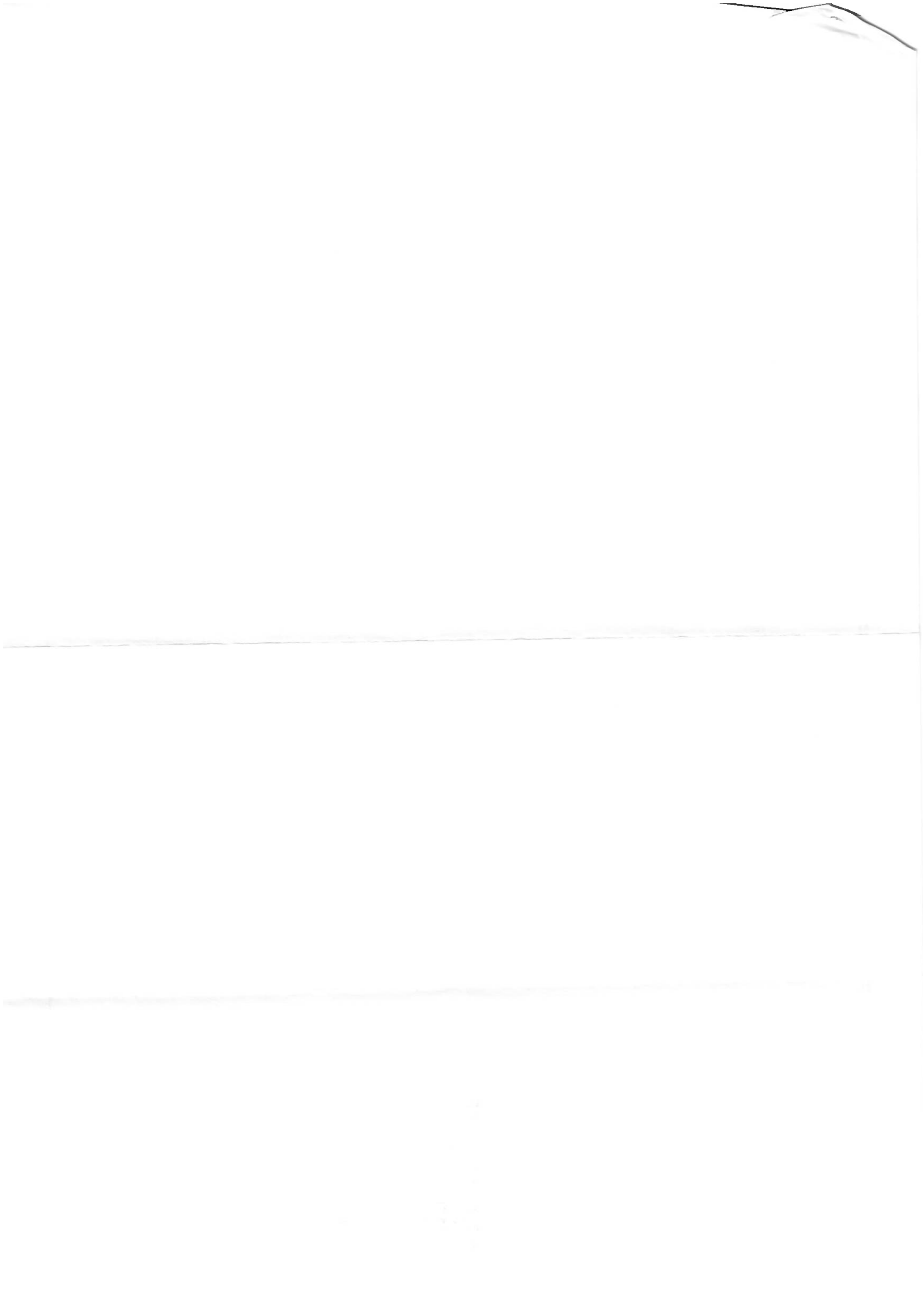
C	RECEIVED	26.07.22	NR	508
B	RECEIVED	26.07.22	NR	508
A	RECEIVED	06.02.22	NR	508
-	RECEIVED	12.01.21	NR	508

DELMEC
Delmec Engineering LTD, 10 Borrowdale Business Park, Steeny Road, Crillyscullen, Carrlow, R93 E3W7

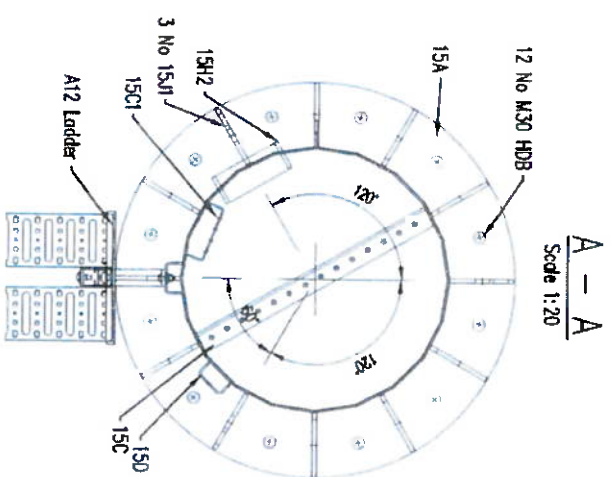
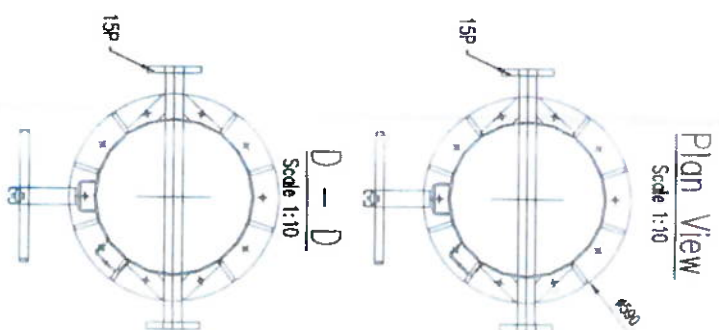
CONSTRUCTION
EIR Mobile Site No. KK-2168-01
S.P. Ref: N/A
Site Name: EIR KELLS
EIR EXCHANGE KELLS, HAGGARD KELLS
Co. KILKENNY

Designed	SB	Date	12.01.2021
Drawn	SB	Scale	AS SHOWN
Rev.	C	Rev.	C

Dwg No. KK-2168-01-C14



DETAIL DESIGN



SCALE 1:20

Palmer Engineering LTD, 10 Borrowdale Business Park, Steery Road, Castleguarden, Carlow, R93 E3W7

EIR Mobile
 2022 Blencourt Avenue
 Citywest Business Campus
 Dublin 24 D24 HK03
 Ireland



CONSTRUCTION

S.P. Ref:	N/A
-----------	-----

Site Name

**EIR KELLS
EIR EXCHANGE KELLS, HAGGARD
KELLS
Co. KILKENNY**

**MOBILE TELECOMMUNICATIONS
INSTALLATION
MONOPOLE DETAILS**

Dwg No. KK-2168-01-C15

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EIR EXCHANGE SITES PROJECT

DETAIL DESIGN

Foundation Level

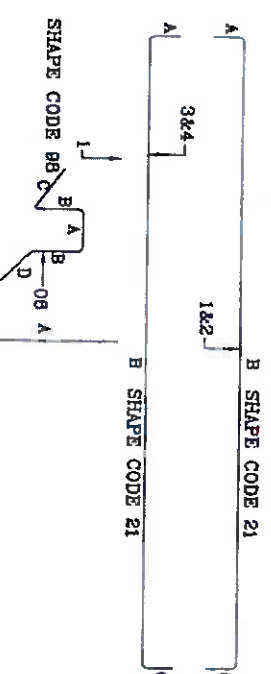
Bar H20

Adjuster

DETAIL D

Scale 1:20

12No. H20 HI BOLT GRADE

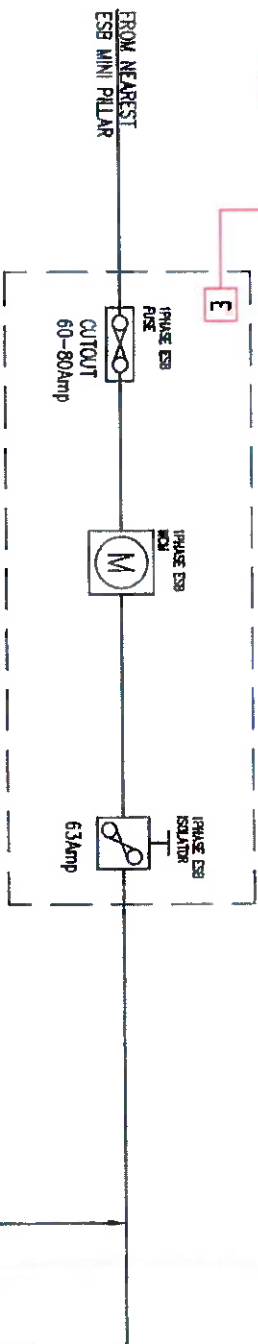


12 NO EQUALLY
SPACED 06 (CHAIR)
BARS TO SUPPORT
UPPER REBAR

[illegible]

AN BORD PLEANALA
03 NOV 2022
TO: DATED _____
FROM _____
REF. _____
03- 22 . 315039

ESB METER
(INSIDE EIR MOBILE RFE METER CABINET)

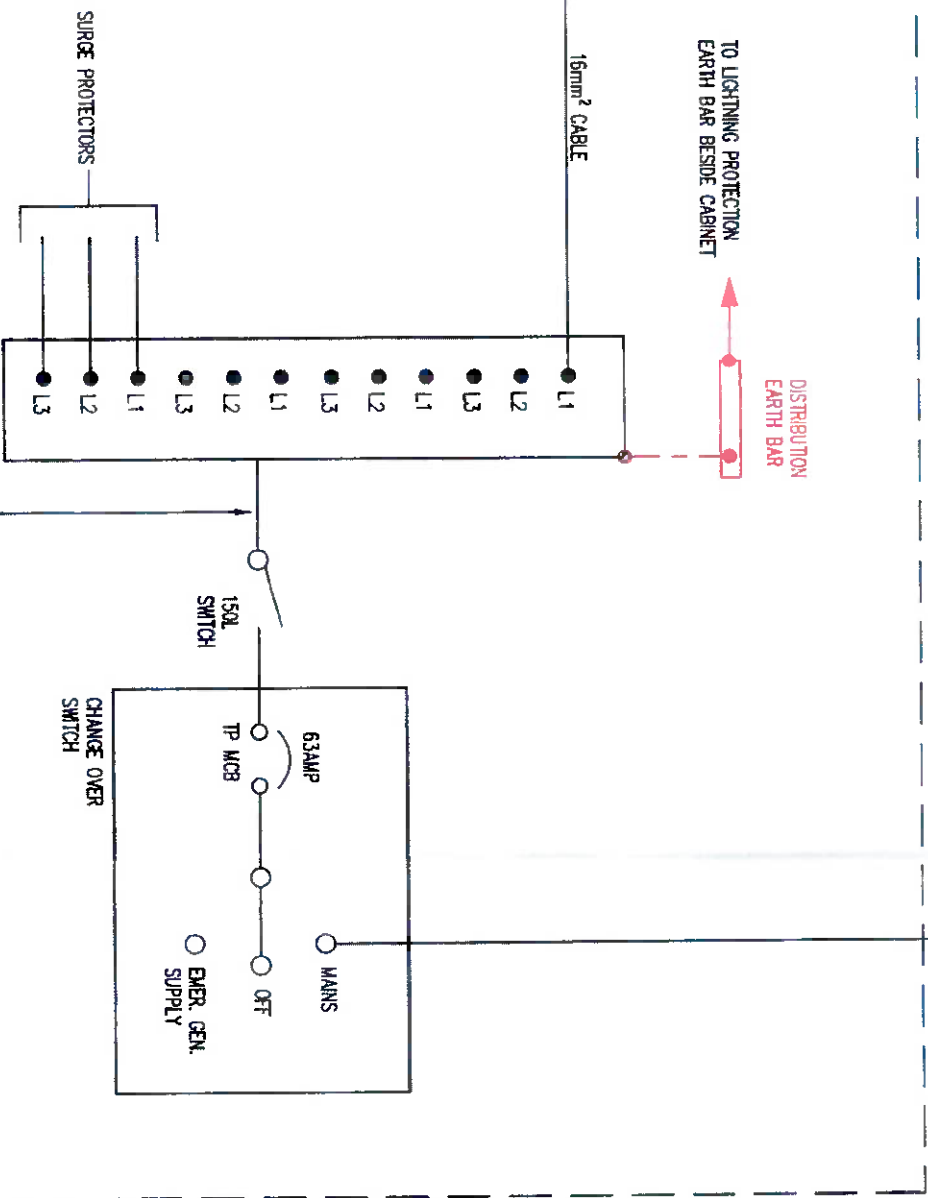


TO PROPOSED
63amp HUANG PSU

16mm² CABLE

TO LIGHTNING PROTECTION
EARTH BAR BESIDE CABINET

DISTRIBUTION
EARTH BAR



EXISTING EIR MOBILE AC DISTRIBUTION BOARD

4 CORE XLPE/SWA/LSF &
1 CORE PVC (GREEN & YELLOW) CPC
REFER TABLE FOR CABLE SIZE

CABLE LENGTH (m)	CABLE SIZE
0-70	16mm ²
70-110	25mm ²
110-150	35mm ²
150-190	50mm ²
> 190	Refer Note 2

- NOTES:
1. ALL CABLES ARE A MINIMUM OF 16mm².
 2. REFER TO DESIGNER FOR ALL CABLE RUNS GREATER THAN 190m.
 3. REFER TO DESIGNER WHERE FIRE RATINGS ARE REQUIRED. e.g. IN LIFT SHAFTS
 4. WHERE TAILS WERE REQUIRED FOR ESB METER CONNECTIONS, FERRULES ARE FITTED TO TAILS.

EIR EXCHANGE SITES PROJECT

DETAIL DESIGN

AN BORD PLEANÁLA

03 NOV 2022

LTR DATED FROM REF.

LDG.

ABP. 22. 315039

No.	Revision	Date	By	Chd
C	ISSUED	26.07.22	W	SOB
B	REVISION	20.07.22	W	SOB
A	REV. REJECTED	06.02.22	W	SOB
-	DETAIL DESIGN ISSUE	12.06.21	W	SOB

DELMEC

Dalme Engineering LTD, 10 Berrymore Business Park, Steady Road, Geddycullen, Carlow, R93 E3W7

EIR Mobile

2022 Berrymore Avenue
Citywest Business Campus
Dublin 24 D24 HX03
Ireland

CONSTRUCTION

EIR Mobile Site No. KK-2168-01

S.P. Ref: N/A

Site Name
EIR KELS
EIR EXCHANGE KELS, HAGGARD
KELS
Co. KILKENNY

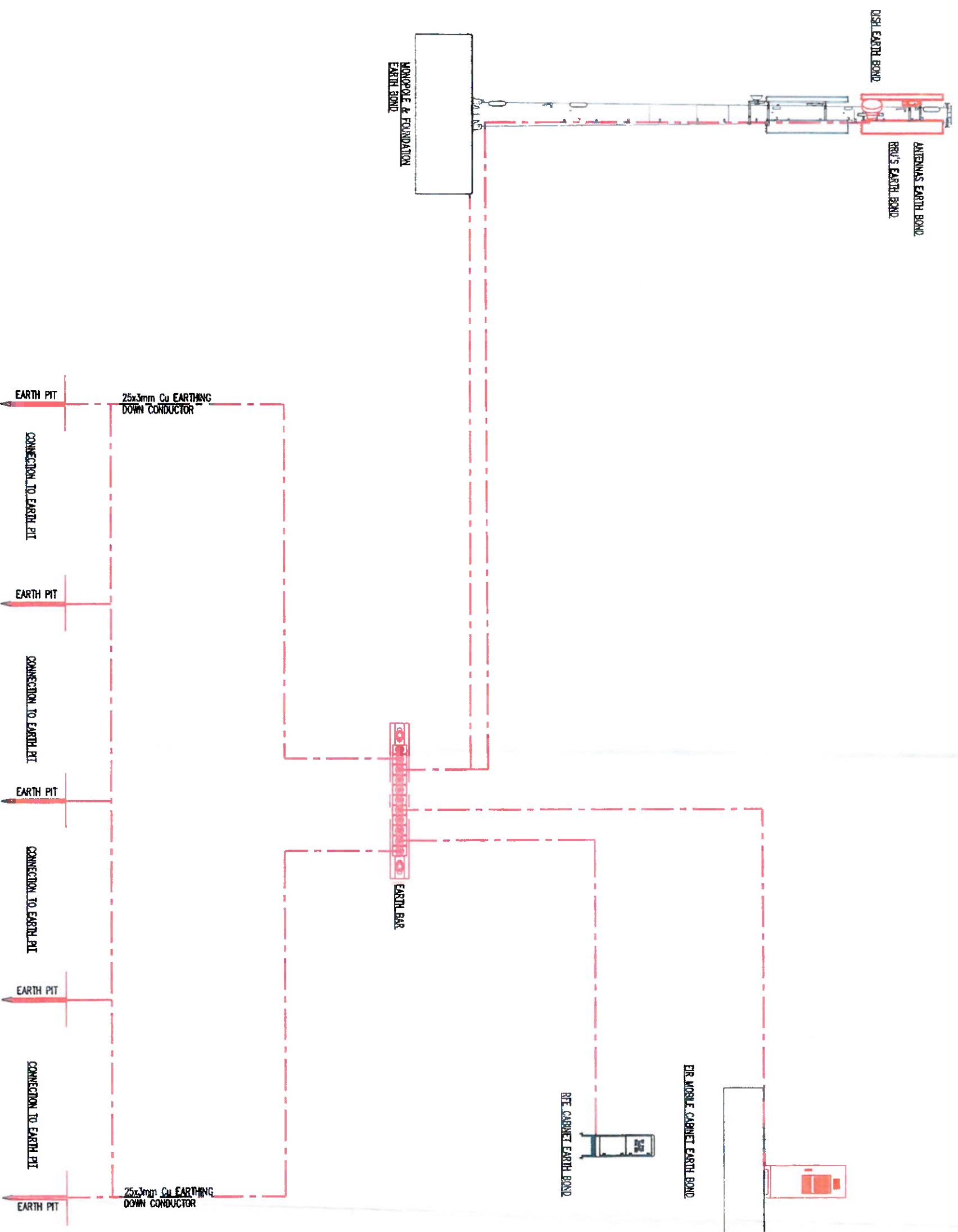
Title
MOBILE TELECOMMUNICATIONS
INSTALLATION
ELECTRICAL SCHEMATIC

Designed	W	Date	26.07.2022	Rev.	C
Drawn	W	Scale	AS SHOWN	Rev.	C

Dwg No. KK-2168-01-C17

EIR EXCHANGE SITES PROJECT

DETAIL DESIGN



LIGHTNING PROTECTION SCHEMATIC

NTS

NO.		Revision	Date	By	Chd
1		Initial Design	12.08.21	WR	SSB
2		Final Design	06.02.22	WR	SSB
3		Final Design	26.07.22	WR	SSB

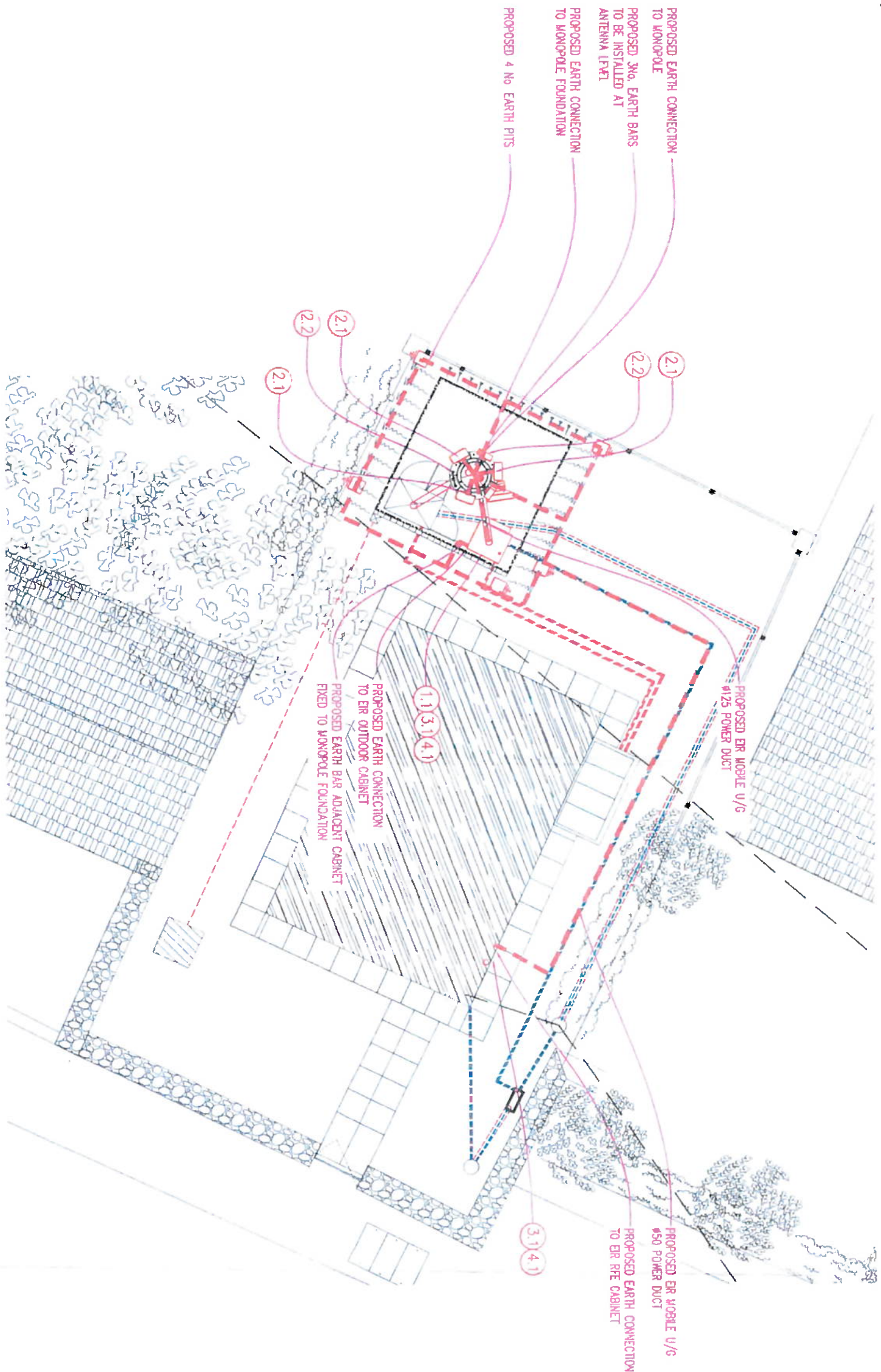
22.315039
03 NOV 2022

IT9 DATED FROM REF.

DELMEC
Daimac Engineering LTD, 10 Barrowfield Business Park, Sleaty Road, Crinquecullen, Carlow, P93 ESW7
EIR Mobile
2022 Barrowfield Avenue
Crinquecullen, Carlow
Dublin 2, D24 RW03
Ireland

CONSTRUCTION

EIR Mobile Site No.	KK-2168-01	
S.P. Ref:	N/A	
Site Name	EIR KELLS EIR EXCHANGE KELLS, HAGGARD KELLS CO. KILKENNY	
TT#	MOBILE TELECOMMUNICATIONS INSTALLATION EARTHING SCHEMATICS	
Designed by	WR	Date 12.08.2021
Drawn by	WR	Scale AS SHOWN Rev. C
Dwg No.	KK-2168-01-C18	



SIGNAGE LAYOUT & LIGHTNING PROTECTION LOCATION

SCALE 1:50

EIR EXCHANGE SITES PROJECT

DETAIL DESIGN

AN BORD PLEANALA

03 NOV 2022

LTR DATED FROM REF.

LDG

ABP. 22 315039

C	REKED BILD	20.07.22	W	SB
B	ELEVATION VIEW UNPAID	20.07.22	W	SB
A	REKED BILD	08.02.22	W	SB
-	REKED BILD	12.08.21	W	SB

DELMEC

Delme Engineering LTD, 10 Borrowdale Business Park, Sney Road, Grangeacullen, Carlow, R93 EW7

EIR Mobile
2022 Borrowdale Avenue
Clonsilla Business Campus
Dublin 24 D24 HX03
Ireland

CONSTRUCTION

EIR Mobile Site No. KK-2168-01

S.P. Ref: N/A

Site Name:

EIR KELLS
EIR EXCHANGE KELLS, HAGGARD
KELLS
CO. KILKENNY









Title
MOBILE TELECOMMUNICATIONS
INSTALLATION
SIGNAGE LAYOUT PLAN

Designed SB	Date 12.08.2021	Rev. C
Drawn W	Scale AS SHOWN	Rev. C

Dwg No. KK-2168-01-C19

DETAIL DESIGN

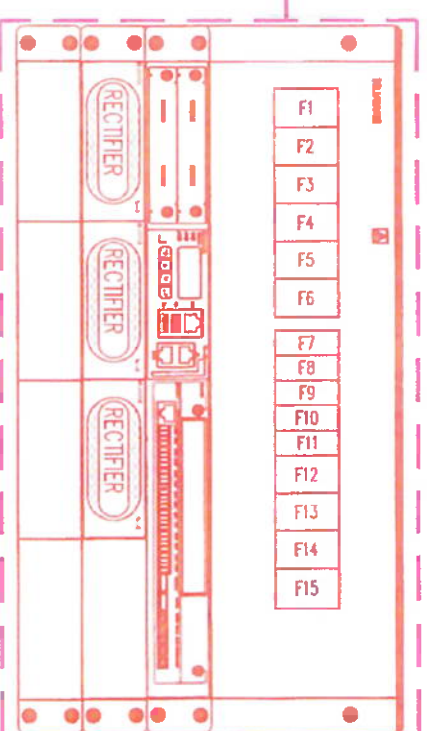
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Symbol		Caution		Warning		Information	
Symbol	Text	Symbol	Text	Symbol	Text	Symbol	Text
	Caution Unprotected Edge		Caution Radio Frequency		Information Read the manual		No Open Flame
	No Open Flame		No Open Flame		No Open Flame		No Open Flame

22.315039

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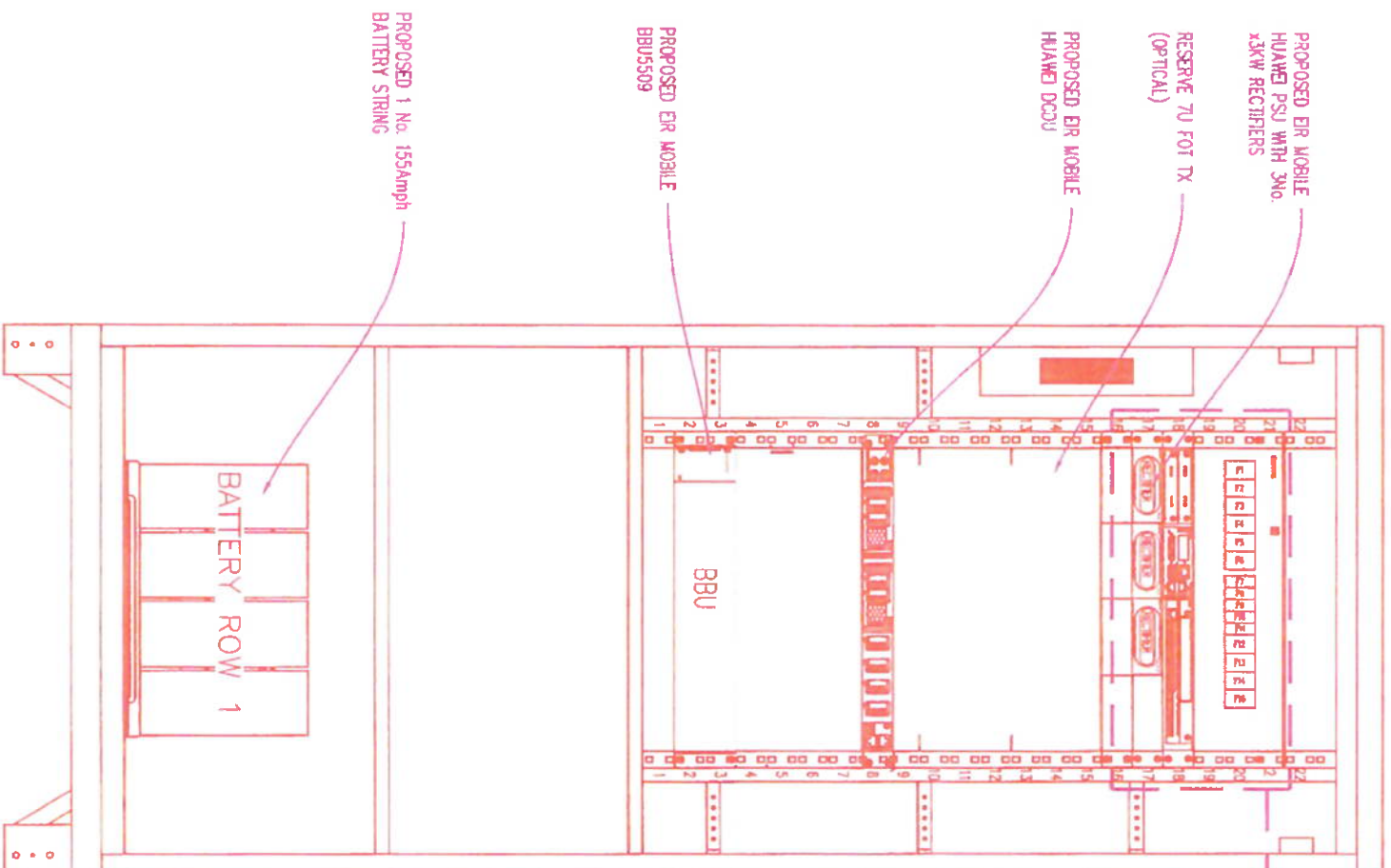
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RECTIFIERS

NON ESSENTIAL LOAD		
WCB Number	CONNECTED LOAD	CURRENT RATINGS
F1	HUAWEI BYDC-1	100 Amp
F2	SPARE	32 Amp
F3	SPARE	32 Amp
F4	SPARE	32 Amp
F5	SPARE	32 Amp
F6	SPARE	32 Amp
F7	SPARE	16 Amp
F8	SPARE	16 Amp
F9	SPARE	16 Amp

ESSENTIAL LOAD		
MCB Number	CONNECTED LOAD	CURRENT RATINGS
F10	SPARE	32 Amp
F11	SPARE	32 Amp
F12	SPARE	25 Amp
F13	TX -1	16 Amp
F14	TX -2	16 Amp
F15	SPARE	10 Amp
F15	FAN CABINET 1	10 Amp
F15	SPARE	6 Amp
F15	SPARE	63 Amp
BATTERY 1	STRING 1	125 Amp
BATTERY 2	SPARE	125 Amp
BATTERY 3	SPARE	125 Amp



PROPOSED EIR MOBILE HUAWEI INTERNAL CABINET LAYOUT

SCALE 1:10

LOAD BREAKERS

AN BORD PLEANÁLA

03 NOV 2022

DATE DATED FROM REF

DG- 22.315039

C	REMOVED	28.07.22	W	508
B	ELEVATION NEW LAYOUT	26.07.22	W	508
A	NEW LAYOUT	06.07.22	W	508
-	DETAIL DESIGN NOTE	12.06.21	W	508
No.	Revision	Date	By	Chd

DELMEC

Delmech Engineering LTD, 10 Borrowside Business Park, Steady Road, Dingle, Co. Dublin, D24 HX03

CONSTRUCTION

2022 Borrowside Avenue, Clonsilla Business Campus, Dublin 24 D24 HX03, Ireland

CONSTRUCTION

EIR Mobile Site No. KK-216B-01

S.P. Ref: N/A

Site Name: EIR KELLS, EIR EXCHANGE KELLS, HAGGARD KELLS, CO. KILKENNY

Title: MOBILE TELECOMMUNICATIONS INSTALLATION EQUIPMENT DETAIL 3

Designed by: Date: 14.08.2021

Drawn by: Scale: AS SHOWN Rev. C

Dwg No. KK-216B-01-C21

PROPOSED HUAWEI
AQUA518R25x06
OUTDOOR ANTENNA

PROPOSED No. 1/2" TAILS
(3.0m LONG)

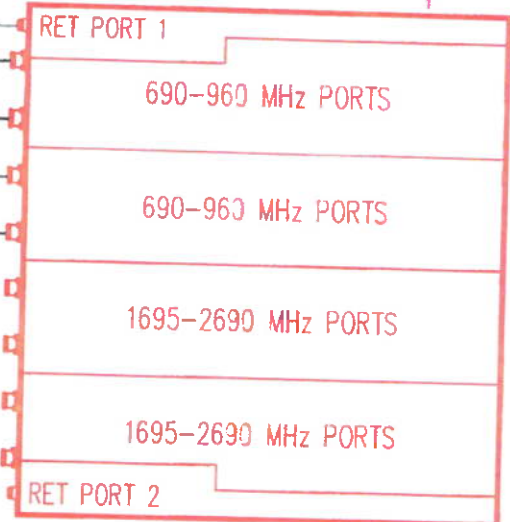
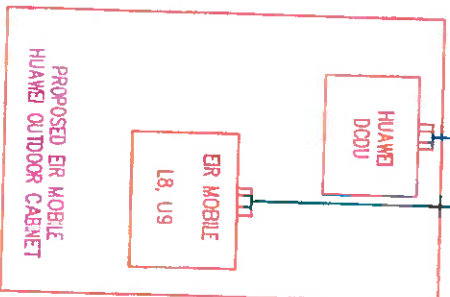
HUA RRU 5503
(214R 700/900+800)

PROPOSED RET CABLE
(5m LONG)

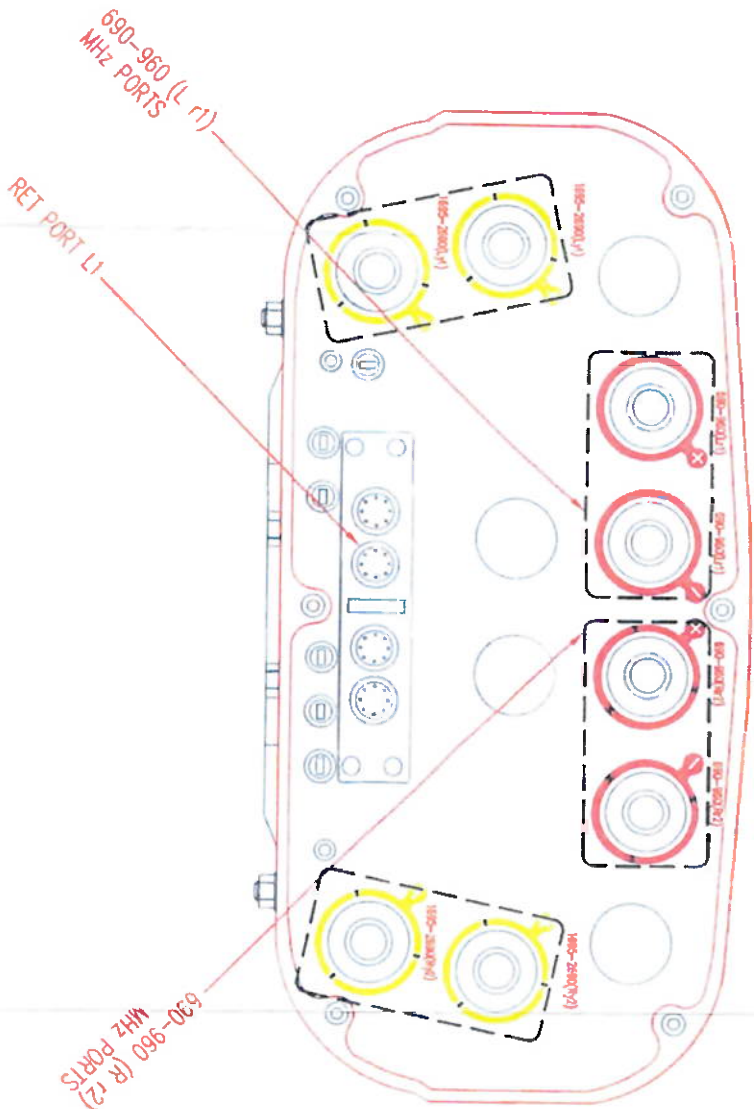
ANTENNA LEVEL
CABINET LEVEL

PROPOSED IN. DC CABLE
(15.0m LONG)

PROPOSED No. OPTICAL CABLES
(ONE PER SECTOR)
(30.0m LONG)



Ant1 DETAILS	Ant2 DETAILS	Ant3 DETAILS
TYPE: HUA_AQUA518R25x06 SIZE: 2.5m HEIGHT: 13.80m TO CENTER ORIENTATION: 0°	TYPE: HUA_AQUA518R25x06 SIZE: 2.5m HEIGHT: 13.80m TO CENTER ORIENTATION: 110°	TYPE: HUA_AQUA518R25x06 SIZE: 2.5m HEIGHT: 13.80m TO CENTER ORIENTATION: 240°
MECHANICAL TILT: 0° ELEC-TILT (L8): 0° ELEC-TILT (U9): 0°	MECHANICAL TILT: 0° ELEC-TILT (L8): 0° ELEC-TILT (U9): 0°	MECHANICAL TILT: 0° ELEC-TILT (L8): 0° ELEC-TILT (U9): 0°



EIR EXCHANGE SITES PROJECT

DETAIL DESIGN

AN BORD PLEANÁLA

03 NOV 2022

LTR DATED 03 NOV 2022 FROM REF.

LDG. 22.315039

REVISION	DATE	BY	CHKD
C	26/07/22	WE	SGB
B	26/07/22	WE	SGB
A	06/02/22	WE	SGB
-	12/08/21	WE	SGB

DELMEC
Delmec Engineering LTD, 10 Borrowdale Business
Park, Sherry Road, Crilley, R33 EW7

EIR Mobile
2022, Binnion Avenue
Citywest Business Campus
Dublin 24 D24 HX03
Ireland



CONSTRUCTION

EIR Mobile Site No. KK-2168-01

S.P. Ref: N/A

Site Name

ER KELLS
ER EXCHANGE KELLS, HAGGARD
KELLS
Co. KILKENNY

MOBILE TELECOMMUNICATIONS
INSTALLATION
ANTENNA SCHEMATICS

DESIGNED BY	DATE	SCALE	REV.
WE	12/08/21	AS SHOWN	C

Dwg No. KK-2168-01-C22

