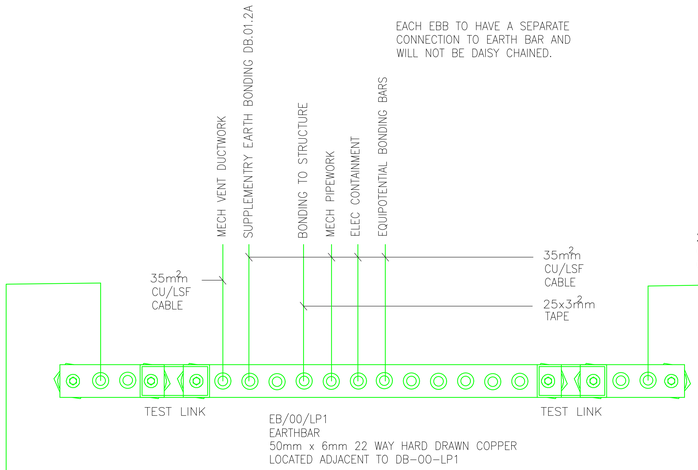
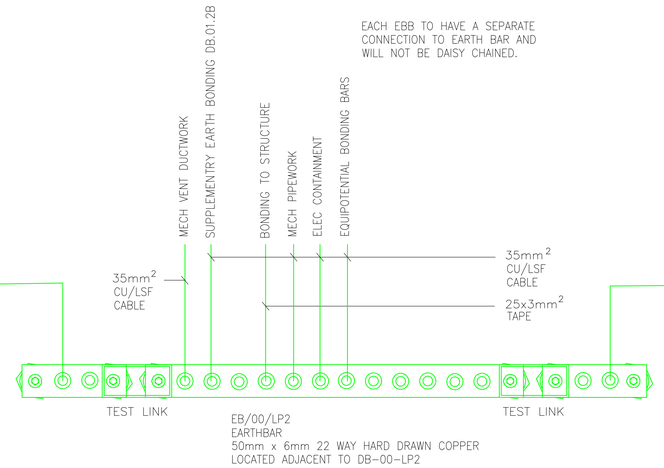
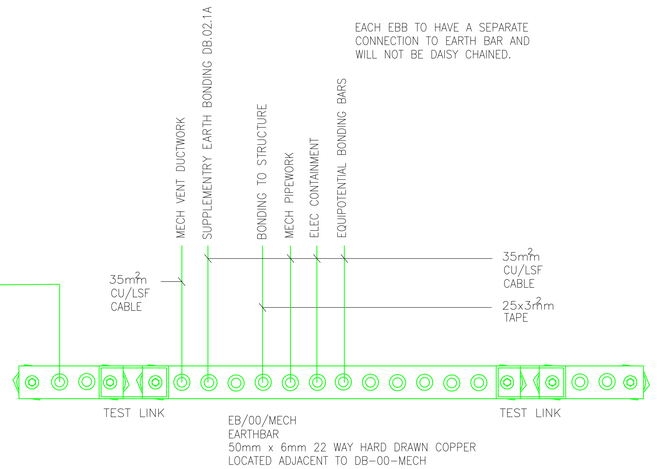
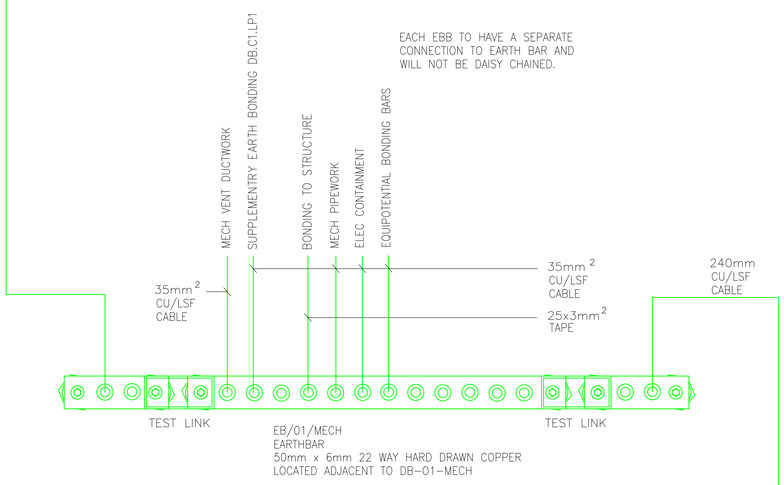
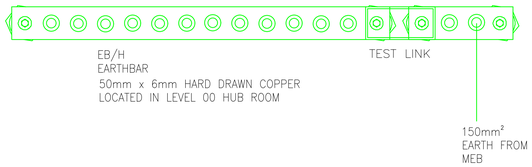
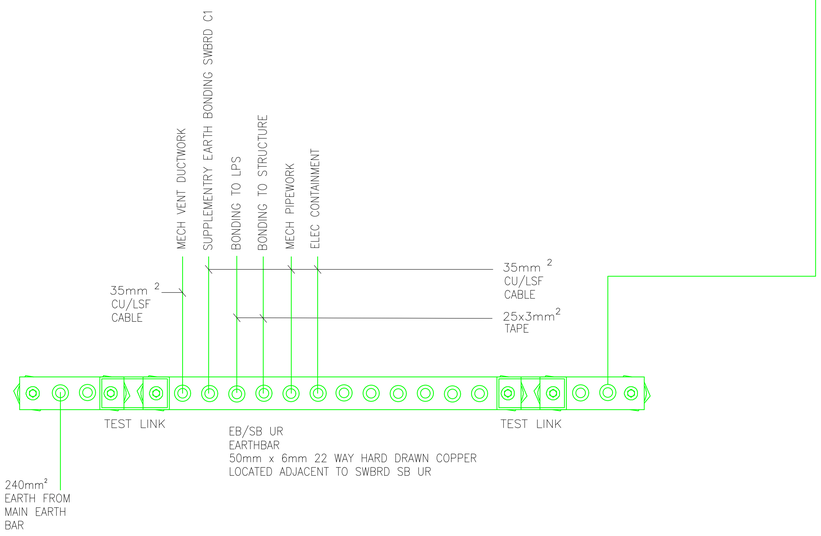








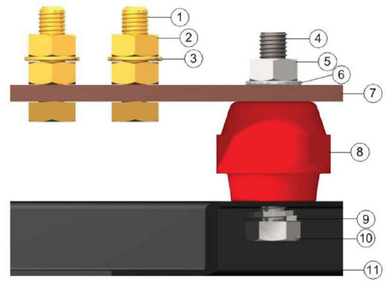




TYPICAL TWIN LINK EARTH BAR



TYPICAL EARTH BAR DETAIL



EARTH BAR MATERIALS			
1	M10 x 35mm HEX SET	brass	0.03
2	M10 full nut	brass	0.01
3	M10 flat washer	brass	0.002
4	M10 x 40mm all thread	brass	0.02
5	M10 full nut	brass	0.01
6	M10 flat washer	brass	0.002
7	50 x 6mm copper bar	HDHC copper	2.67/m
8	M10 x 35mm insulator	Reinforced polyester with brass inserts	0.08
9	M10 spring washer	BZP mild steel	0.002
10	M10 x 12mm hex set	BZP mild steel	0.002
11	100 x 15mm base	Galvanised Steel	1.00/m

DO NOT SCALE

NOTES

IF THIS DRAWING HAS BEEN RECEIVED ELECTRONICALLY IT IS THE RECIPIENTS RESPONSIBILITY TO PRINT THE DOCUMENT TO THE CORRECT SCALE.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE IT IS RECOMMENDED THAT INFORMATION IS NOT SCALED OFF THIS DRAWING.

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS FORMING THE EXTENT OF THIS WORKS PACKAGE.

CROSS REFERENCE SHOULD BE MADE TO ARCHITECTS & STRUCTURAL ENGINEERING DRAWINGS WHERE APPLICABLE.

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTS FIRE STRATEGY DRAWING FOR COMPARTMENTATION WHERE APPLICABLE.

NOTES:

1. EQUIPOTENTIAL SOCKETS

   SUPPLEMENTARY EQUIPOTENTIAL BONDING CONNECTION POINTS FOR THE CONNECTION OF ME EQUIPMENT SHALL BE PROVIDED IN EACH GROUP 2 MEDICAL LOCATION. A MINIMUM OF FOUR SOCKETS PER PATIENT LOCATION.

2. ANY ADDITIONAL SUPPLEMENTARY BONDING REQUIRED BY IET REGULATIONS 710.415.2, BUT NOT INDICTED ON THIS SCHEMATIC SHALL BE PROVED AND THE CONNECTION INCLUDED ON THE AS BUILT DRAWING FOR THE PROJECT

3. THE MAXIMUM RESISTANCE OF THE PROTECTIVE CONDUCTOR BETWEEN THE EARTH TERMINAL OF ANY SOCKET OUTLET OR FIXED EQUIPMENT AND ANY EXTRANEOUS CONDUCTIVE PART SHALL NOT EXCEED 0.2 OHM's.

4. THE NUMBER OF EQUIPOTENTIAL BONDING BAR LINKS TO LOCAL EARTH BARS IS INDICATIVE, ACTUAL NUMBER OF EBB'S TO BE TAKEN FROM THE POWER DRAWINGS.

5. EQUIPOTENTIAL BONDING BARS SHALL BE IN ACCORDANCE WITH BS7671, SECTION 710.

6. HUB CABINET EARTHING TO BE CARRIED OUT IN ACCORDANCE WITH BS6701.

7. EACH RACK AND FRAME IN THE HUB CABINET TO HAVE A SEPARATE CONNECTION TO THE EARTH BAR IN TE HUB ROOM.

8. HUB CABINET EARTH STUD TO BE CONNECTED TO THE EARTH BAR IN THE HUB ROOM.

9. ALL METALLIC COMPONENTS WITHIN THE HUB ROOM WILL BE BONDED TO THE EARTH BAR IN THE HUB ROOM.

REV	DATE	DESCRIPTION	ISSUED BY
P01	MAY 24	ISSUED FOR COMMENTS	FB

Drawing Status: ISSUED FOR STAGE 2 — S2

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

READERS OF THIS DRAWING:
ALL EFFORTS HAVE BEEN TAKEN BY DSSR TO DESIGN OUT SIGNIFICANT HAZARDS WITHIN THE DESIGN RISK ASSESSMENT PROCESS. IT IS OUR OPINION THAT THE HAZARDS DETAILED BELOW CANNOT BE DESIGNED OUT BY US GIVEN THE CONSTRAINTS OF THE BRIEF AND ARE HIGHLIGHTED SO THAT OTHER MEANS CAN BE DEVELOPED TO MITIGATE THE RESIDUAL RISKS IDENTIFIED.

IT IS ASSUMED THAT A COMPETENT M&E CONTRACTOR OR USER WILL BE AWARE OF THE STANDARD FORESEEABLE RISKS ASSOCIATED WITH WORKING WITH THE TYPE OF SERVICES DETAILED WITHIN THE DRAWING.

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PROJECT:
Royal Berkshire Hospital
NHS Foundation Trust
Royal Berkshire Hospital Urology

TITLE:
EARTHING SCHEMATIC

Designed By	Checked By	DSSR Ref
FB	BH	M5364
Drawn By	Date	Size & Scale(s)
FB	MAY 24	A0 NTS

Project - Originator - Volume - Level - Type - Role - Number

DRAWING No: P24-0002-DSSR-XX-XX-SC-E-61203 — REV: P01

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