



NOTES:

GENERAL

1. GANTRY STRUCTURAL STEELWORK SHALL BE ELECTRICALLY CONTINUOUS THROUGHOUT.
2. NEW GANTRIES ARE PROVIDED WITH FACILITIES FOR THE TERMINATION OF ELECTRICAL EARTH AND LIGHTING PROTECTION BONDING TO AVOID DAMAGE TO GANTRY PROTECTIVE FINISH, BY THE LATER PROVISION OF TERMINATION LUGS FOR EXAMPLE.
3. ALL METALLIC EQUIPMENT MOUNTED ON THE GANTRY SHALL BE BONDED TO THE GANTRY STRUCTURE, THEY SHOULD BE BONDED TO THE STRUCTURE TO ENSURE COMMON POTENTIAL.
4. BONDING DETAILS SHOWN ON DIAGRAM ARE TYPICAL ONLY.

ELECTRICAL EARTHING

5. ELECTRICAL EARTH BONDING SHALL BE UTILISE 6mm²(MINIMUM) PVC INSULATED STRANDED COPPER EARTHING CONDUCTOR.
6. EARTHING CABLE SHALL BE PROVIDED WITH TERMINAL LUGS AND SHALL BE BONDED TO STRUCTURE (AT PREPROVIDED BONDING POINTS) WITH SUITABLE NUT, BOLT AND LOCKING WASHER ARRANGEMENT, SAFETY EARTH LABELS 'SAFETY ELECTRICAL EARTH DO NOT REMOVE' SHALL BE PROVIDED AT EACH BOND TO THE STRUCTURE.

LIGHTNING PROTECTION

7. THE GANTRY STRUCTURE WHEN ELECTRICALLY CONTINUOUS MAY BE CONSIDERED TO BE SELF PROTECTING, PROVIDED THE RESISTANCE TO EARTH DOES NOT EXCEED 10 OHMS.
8. PRIOR TO THE INSTALLATION OF THE GANTRY, SOIL RESISTIVITY TESTS SHALL BE CARRIED OUT TO DETERMINE THE NEED FOR THE PROVISION OF A LIGHTNING PROTECTION SYSTEM. WHERE THE RESISTANCE TO EARTH EXCEEDS 10 OHMS, AN APPROPRIATE EARTH ELECTRODE SYSTEM FROM THE GANTRY LEGS SHALL BE PROVIDED IN ACCORDANCE WITH ISEN 62305.
9. EARTH ELECTRODES/ TEST PITS (AS SHOWN ON RCD/1500/68 SHOULD BE PROVIDED AS CLOSE AS PRACTICAL TO GANTRY LEGS.
10. TESTS SHALL BE CARRIED OUT AFTER INSTALLATION OF GANTRIES TO ENSURE THAT THE RESISTANCE TO EARTH DOES NOT EXCEED 10 OHMS.

NOT TO SCALE