

System Grounding And Equipment Grounding

System Grounding And Equipment Grounding - The term grounding is commonly used in the electrical industry to mean both “equipment grounding” and “system grounding”. Equipment grounding means the connection of earth ground to non-current carrying conductive materials such as conduit, cable trays, junction boxes, enclosures, and motor frames. Equipment grounding is connecting the equipment frame to the system ground (such as the common ground for the building). System grounding is connecting the system ground to the literal earth ground (the earth ground upon which the building is built), also known as “earthing”. The equipment grounding conductor is a safety circuit that is intentionally constructed when installing feeders or branch circuits. The equipment grounding conductor and the process of equipment grounding results in a safety circuit that performs three critical tasks while providing safety for the electrical installation. Grounding is only part of the overall ground system. The other is to ensure that all equipment and power supplies in the equipment, shelter or system are bonded with a