

## Where heating is required at a HOT Site, tubular heaters must be covered with unearthed protective guard or high level heaters must be installed. Substations with metal doors will require additional perimeter earth nests at the front of the substation, see additional layout on drawing. Lloyds Court, 78 Grey Street, Newcastle Upon Tyne, NE1 6AF **NORTHERN** Where HV and LV earths are separated the resistance of the HV earth electrode will be sufficiently low as to limit the earth potential rise to 2kV or less **POWERGRID** 315 - 1000KVA SLIDE IN UDE WITH during fault conditions. The maximum resistance value for the HV earth electrode will be confirmed by the Design Engineer. The LV earth electrode Manufacturer Details resistance must be less than 20ohms. **CUSTOMER LV MCCB ARRANGEMENT EARTHING ARRANGEMENT - SEPERATE SITE (HOT)** Use this drawing in conjunction with Northern Powergrid policy – IMP/010/011 Code of Practice for Earthing LV Networks and HV Distribution Sheet No. N.T.S. Substations and supplementary drawing C978643 (Earth Point Connection Details). Prepared By WIRING PLANT DIAGRAMS Barbara.Gordon Where it isn't technically possible to construct a substation outside the confines of a building a bespoke earthing design must be produced based on Revised **Grid Reference** the principles in IMP/010/011. Historic C1024607 Ref No. | C1024607 12/01/17 Drg.No. Date Issued Checked By

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Steel Kiosk Substationswill require additional perimeter earth electrodes; these will be considered on an individual basis.