

Electrical Demand Specification

(Reference SOP: _____)

3.7. Equipment mounting

Riveted rails or components and self-drilling/tapping screws shall not be used under any circumstances.

3.8. Earthing.

Maintain earth continuity to door with indicating or control equipment mounted on it, using multi-stranded, flexible earth wire, or braid of equal cross sectional area, bonded to the door.

3.9. Floor-mounting

Provide mild steel channels, hot-dip galvanised, or proprietary plinth for mounting the complete switchboard assembly on site.

3.10. Wall-mounting

Provide additional internal reinforcing to prevent distortion and through which the fixing bolts pass. For flush or semi-flush switchboards provide an angle trim of Stainless Steel.

3.11. Doors

Locking: As specified in company approved brabd.

3.12. Covers

Provide "D" type handles on access panels heavier than 2 Kg or larger than 1 m². Finish should resist peeling, cracking, solvents including Isopropyl alcohol, and MEK based solvents.

3.13. Finishes

Apply coatings to all internal and external metal surfaces of the switchboard cubicle, including covers, except for stainless steel, electroplated or anodised surfaces.

Finish coatings: Apply minimum of two final coats to achieve a completely smooth finish with no noticeable imperfections.

3.14. Colour

Air Conditioning Panels	Orange.
Control Panels	Stainless Steel, Beige or supplied machine finish.
Main / Sub Boards	Orange.
Distribution Boards	Grey.

3.15. General Purpose Outlet.

All Electrical control panels, containing a device programmable via laptop, shall contain a single GPO for maintenance. The GPO shall be permanently wired, DIN rail mount RCD protected. The GPO shall be of the country standard type. Adapter combinations will not be accepted.

3.16. Internal Light.

All Electrical control panels, greater than 760mm in height shall contain a single Fluorescent light (Bikini type) with integral switch, for maintenance.

3.17. Computer shelf.

All Electrical control panels, greater than 1m in height and containing a Programmable device, shall be fitted with a fold away P.C shelf.