Drawing Requirements

The drawings for your test panel need to contain all the information about the assembly and must be an accurate representation of the equipment tested. Your drawings will be included in your final Certificate or Test Report which is A4 in size. Please ensure your drawings and drawing text is legible when reduced to this size.

Every drawing must include the statement "'Manufacturers name' guarantee that this drawing represents the equipment tested."

General Assembly and Construction

- Over-all dimensions with all elevations, front, back, sides, top, sectional view of base if ventilated
- Construction material; steel, stainless steel, thickness, painted
- Panel weight and lifting facilities for each transit section
- Individual compartment/chamber dimensions
- Number, location and manufacturer of hinges, locks, and fastening details for each door
- Number and location of panel cover fixing details
- Door and cover sealing details for IP rating
- Manufacturer and type of seals (e.g. sponge or profile rubber)
- Hole number, size and pitch of Internal ventilation details
- External ventilation number and size of louvers and pitch
- Fan / filter details including fan manufacturer/part number, voltage, frequency, power, flow rate and direction of flow
- Size and location of internal covers/shrouding and ventilation holes
- Type and location of sealant used
- Extendable, which way? Both?

Horizontal and Vertical Busbars

- All busbar dimensions, plating, insulation / sleeving, details (i.e. 1 x 100mm x 10mm tin plated HDHC copper)
- Phase and neutral spacing
- Parallel busbar spacing and position of spacers (main busbars must be a minimum of 1.6m long for extendable assemblies)
- Joints and fishplate connection details
- Manufacturer and model number of supports and/or stand-off insulators
- Supports and/or stand-off insulators spacing
- Size and location of internal covers/shrouding and ventilation holes

Incoming Circuit

- Circuit breaker details: manufacturer, type reference, ratings, shrouds, phase barriers
- Incoming connections to circuit breaker
- Circuit breaker connections to main busbar
- Incoming circuit and circuit breaker to main busbar supports and / or stand-off insulators details, including manufacturer and type reference
- Incoming circuit and circuit breaker to main busbar supports and / or stand-off insulators spacing and fixing
- Dimensions, plating, insulation / sleeving for all busbar connections
- Size and location of internal covers/shrouding and ventilation holes

Outgoing Circuits

- Circuit breaker details manufacturer, type reference, ratings, shrouds, phase barriers
- Incoming connections to circuit breaker from busbars
- Circuit breaker connections to outgoing circuit
- All supports and / or stand-off insulators details including manufacturer and type reference
- All supports and / or stand-off insulators spacing and fixing
- Dimensions, plating, insulation / sleeving for all busbar connections
- Internal covers/shrouding and ventilation holes and sizes
- Earth bar dimensions, supports and spacing, connections
- Doors and covers earthing arrangement (cable size if used)
- Details of shorting links supplied
- IP rating

Lifting Details

- Identify each transit section (This will be used for lifting test)
- Lifting facilities for each transit section: number of eyebolts, fixings, size of lifting beam if used
- Method of lifting: chains, eyebolts, slings, fork lift, pallet truck, lifting beam

Please email us or call us on +44 (0)115 9784652 if you have any questions.