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DRAWING REQUIREMENTS

GENERAL ASSEMBLY AND CONSTRUCTION

Over-all dimensions with all elevations

Construction materials, thickness, paint type & colour.

Panel weight and lifting facilities.

Individual compartment / chamber dimensions.

Doors number of hinges and closing (locking) details (number of locks and type).

Panel covers fixing details (number of fastenings).

Details of sealing (covers and doors) for IP rating.

Manufacturer and type of seals.

Internal ventilation details (hole numbers and sizes).

External ventilation, number and size of louvres.

Fan / filter details including fan voltage, frequency, power, flow rate and direction of flow.

Internal covers/shrouding and ventilation holes and sizes.

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 spacings.

Parallel busbar spacing and position of spacers (main busbars must be a minimum of 1.6m for extendable assemblies).

Joints (fishplates) and connecting details.

Supports and/or stand-off insulators manufacturer and type number.

Supports and/or stand-off insulators spacing and fixing.

Internal covers/shrouding and ventilation holes and sizes.

INCOMING CIRCUIT

Circuit breaker details manufacturer, type reference, ratings, shrouds, phase barriers

Incoming connections to circuit breaker.

Circuit breaker to main busbar connections.

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.

For all busbar connections :- dimensions, plating, insulation / sleeving.

Internal covers/shrouding and ventilation holes and sizes.

OUTGOING CIRCUITS

Circuit breaker details manufacturer, type reference, ratings, shrouds, phase barriers

Incoming connections to circuit breaker (from busbars)

Circuit breaker to outgoing circuit connections.

All supports and / or stand-off insulators details including manufacturer and type reference.

All supports and / or stand-off insulators spacing and fixing.

For all busbar connections :- dimensions, plating, insulation / sleeving.

Internal covers/shrouding and ventilation holes and sizes.

Earth bar dimensions, supports, connections.
Doors and covers earthing arrangement.

Details of shorting links supplied.

IP rating.

Extendable, which way? Both?

“Manufacturers name” guarantee that this drawing represents the equipment tested.