SALUS™

MULTI-FUNCTIONAL POWER GATEWAY

SaluS™ Power Gateway is an integrated solution for connecting different power sources to your house or facility. With SaluS™, electrical connections are neat, structured and safe.

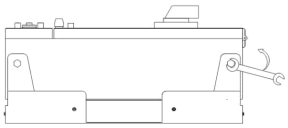
MODEL: EP3-100A

3-phase 100A

INSTALLATION

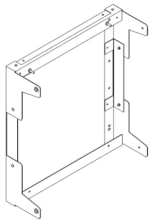
WARNING: *To avoid risk of electrical hazard, ensure that no electrical cable is powered during the installation process.*

Step 1



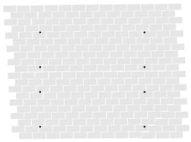
Detach mounting base by using 12/13mm spanner to remove the 4 pieces of M8 bolts.

Step 2



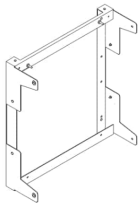
Place mounting base at desired location on the wall and mark out mounting holes.

Step 3



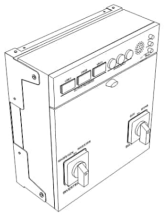
Remove mounting base and drill all holes using a 6mm drill. (Hole depth: 30mm - 40mm). Insert 6mm fischer plugs into all 8 mounting holes

Step 4



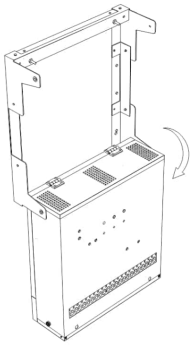
Remove one or more side brackets (top, bottom, left or right) for cable entry. Leave brackets in place if cables come from within the mounting base. Keeping bracket in place helps to prevent rodents, insects etc from gaining access to the cable chamber.

Step 5



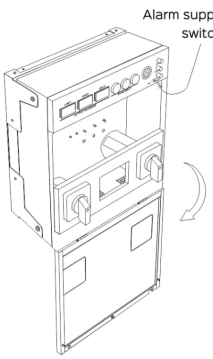
Fix the mounting frame on the wall using 8 pieces of M5 tapping screws and then mount back the main unit using the 4 pieces of M8 bolts

Step 6



To terminate electrical cables, remove the 2 top bolts and swivel down the main unit to make the cable entry holes visible. Pass cables into the unit through the holes by following the labeling according to the illustration diagram provided (there may be a misalignment in the actual labels on the unit). Cables should be about 1.5metres long from the surface of the wall.

Step 7



Swing the unit back and hold in place using the two M8 bolts. Open the door by pressing the knob (center top) and then turn until the arrow on the knob points down. The door opens by swinging downwards.
Use the electrical diagram provided as a guide while terminating cables unto the terminal blocks inside (there may be a misalignment in the actual labels on the unit).

NOTE: *Ensure that all internal circuit breakers and rotary switches in front are OFF before cable termination starts. For effective tightening, use a sizable flat headed screwdriver that fits the slots on the terminal block screws.*

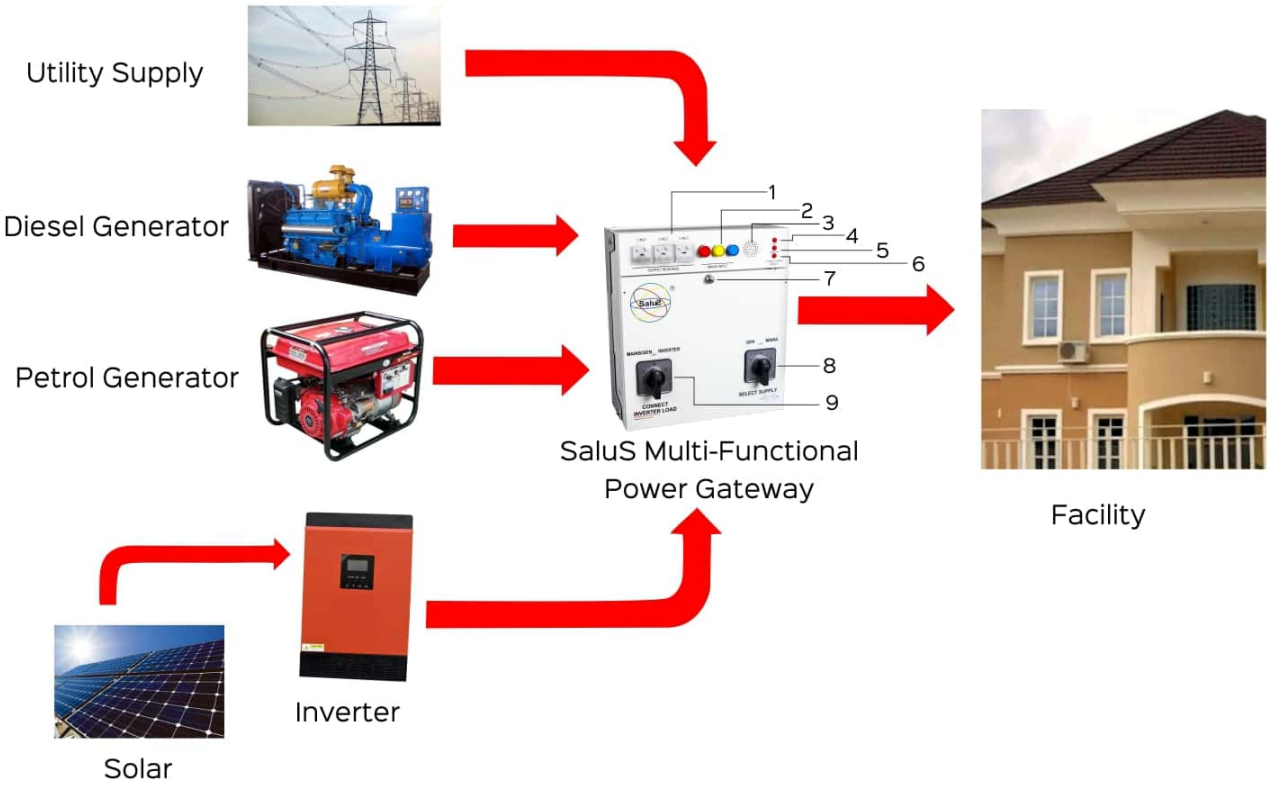
Step 8

Carry out final inspection and check to ensure all cable terminations are well tightened. Put ON the power sources one after the other while confirming with a testing lamp or voltmeter that power gets to the expected terminal blocks. Switch ON all circuit breakers starting with neutral. The alarm will sound if there is power on the mains utility supply. Close back the door.

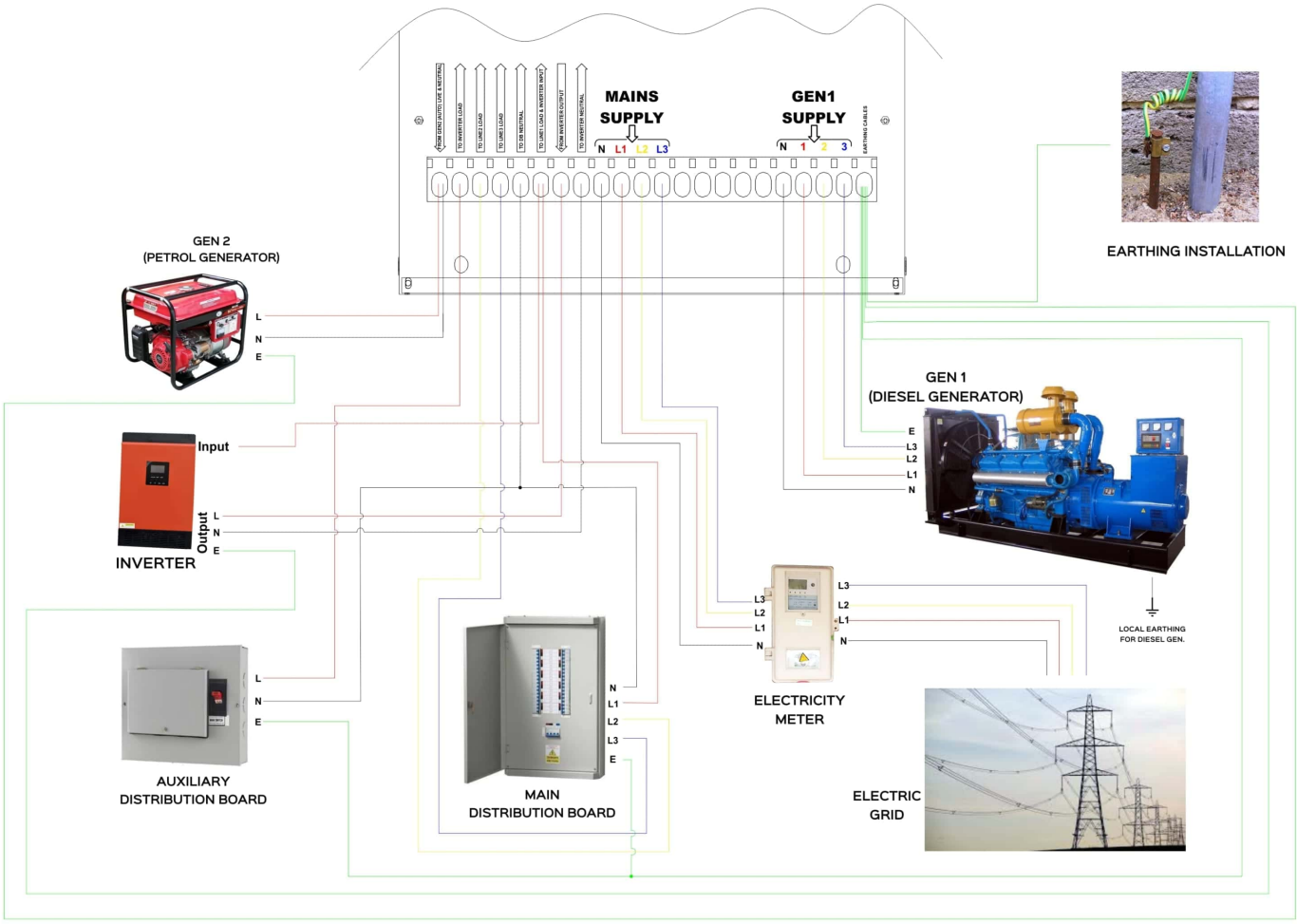
HOW TO OPERATE YOUR DEVICE

Put the switch on the left (label 9 below) to “INVERTER” if inverter is installed. Otherwise leave on “MAINS/GEN” selection. Usually, only the “SELECT SUPPLY” switch (label 8 below) is required for operation. It is used to select between big GEN and Mains supply. Petrol GEN automatically powers load once it is switched on.

SUMMARY OF HOW SALUS MULTI-FUNCTIONAL POWER GATEWAY WORKS

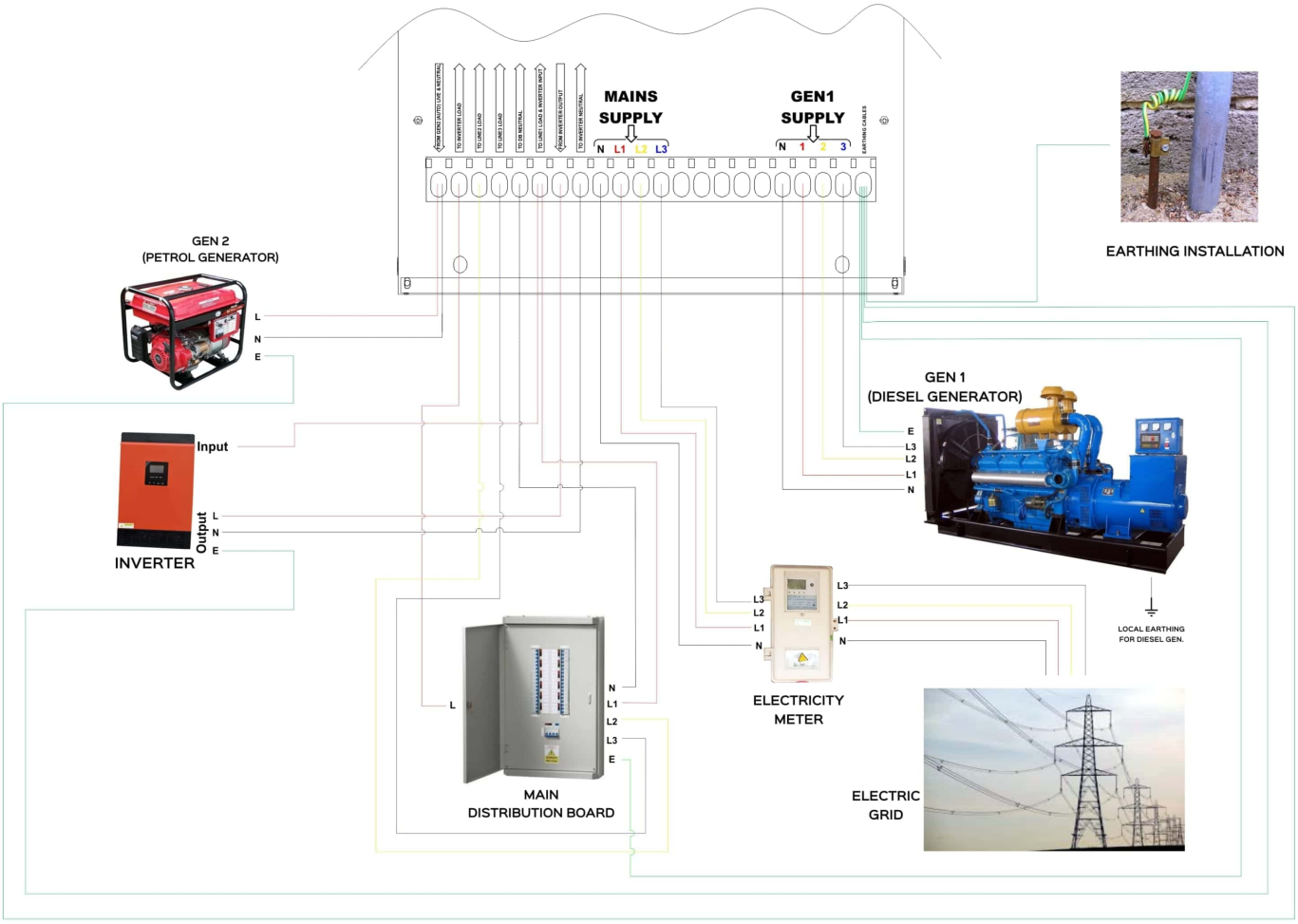


1 - Shows supply voltage level(s)
2 - Indicates power on grid supply phases
3 - Alarm for grid power outage and restoration
4 - Indicates when grid supply phase exceeds normal voltage level
5 - Indicates when protective circuit breaker(s) trip due to over-current or short-circuit
6 - Glows as earthing system gets weak or fault occurs in the house wiring system
7 - Doorlock
8 - Switches between big GEN, grid supply and total disconnection
9 - Switches power supply of priority load between Mains/big GEN and inverter



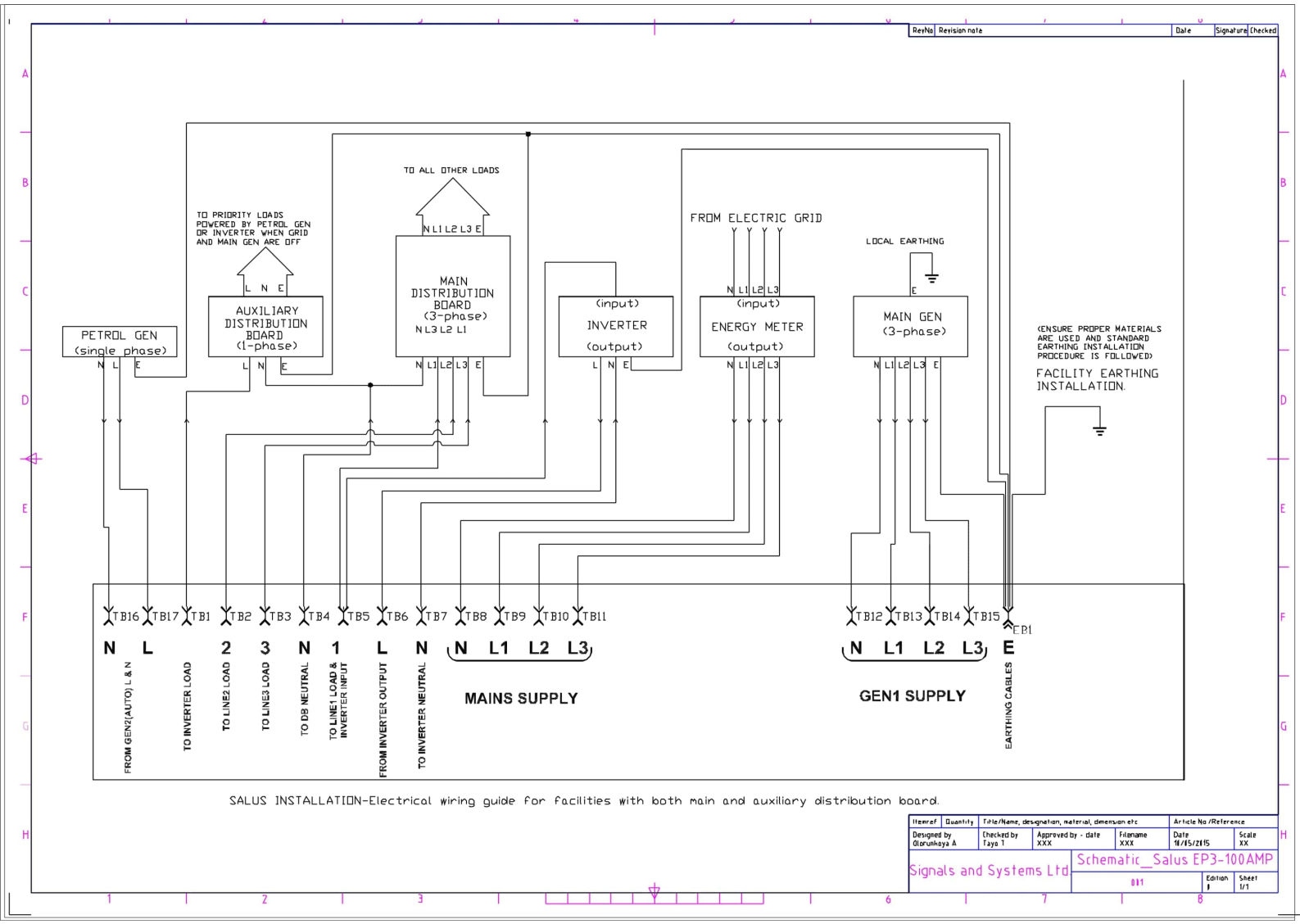
Picture Illustration guide for facilities with auxiliary and main distribution boards

Check Electrical diagram at the back page



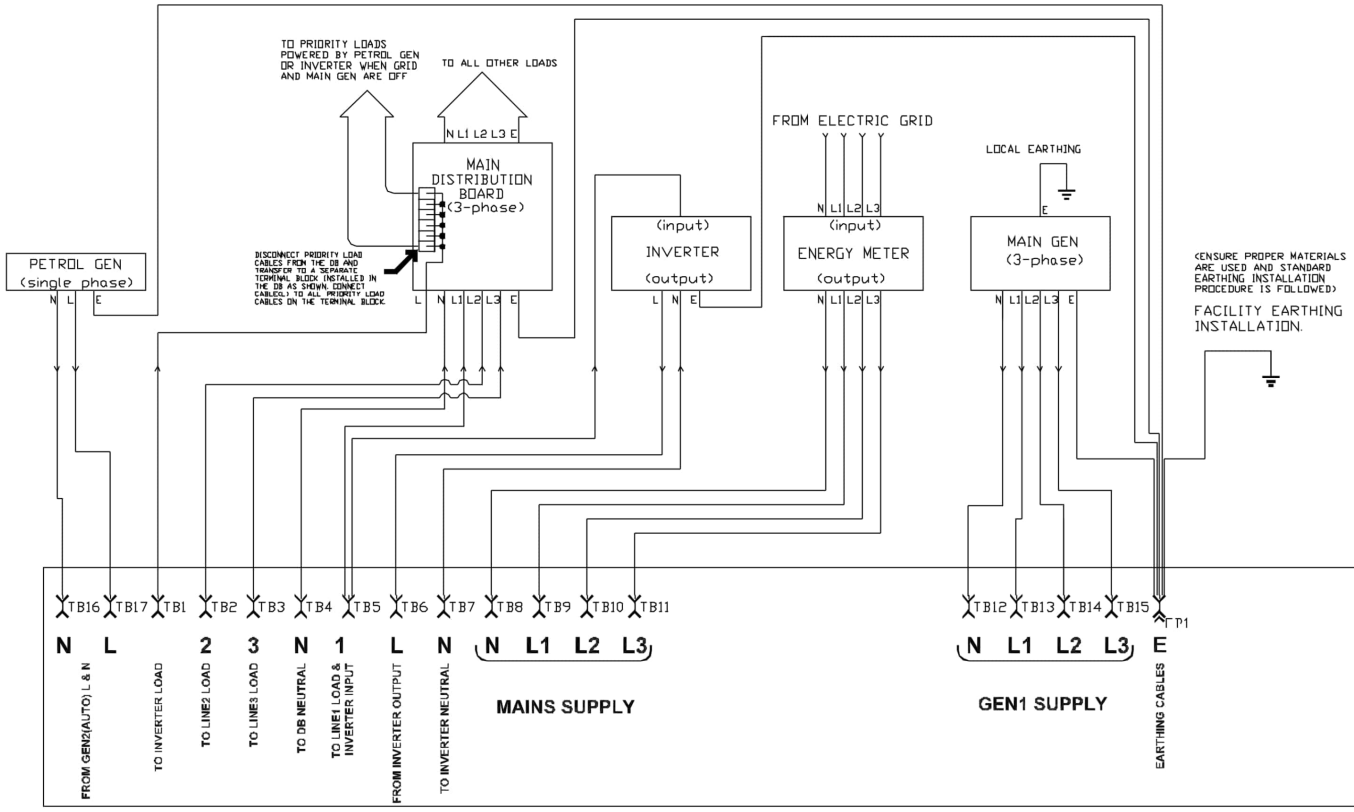
Picture Illustration guide for facilities with only main distribution board

Check Electrical diagram at the back page



SALUS INSTALLATION-Electrical wiring guide for facilities with both main and auxiliary distribution board.

Itemref	Quantity	Title/Name, designation, material, dimension etc				Article No /Reference
Designed by Olorunkoya A		Checked by Taya T	Approved by - date XXX	Filename XXX	Date 11/15/2015	Scale XX
Signals and Systems Ltd		Schematic_Salus EP3-100AMP				
		001		Edition 1	Sheet 1/1	



SALUS INSTALLATION-Electrical Wiring guide for facilities with only main distribution board.

Item/ref	Quantity	Title/Name, designation, material, dimension etc				Article No /Reference	
Designed by Olorunkoya A		Checked by Tayo T	Approved by - date XXX	Filename XXX		Date 11/15/2015	Scale XX
Signals and Systems Ltd.		Schematic_Salus EP3-100AMP					
		002				Edition 1	Sheet 1/1