

IEC 60364-6 inspection report		<input type="checkbox"/> Initial verification <input type="checkbox"/> Periodic verification		
Installation address		Reference		
		Date		
Circuits inspected		Inspector		
Installer name and address		Instruments		
Utility Main Supply Details	Name of Utility	CEB/LECO		
	Nominal voltage , U/U ₀	.....	V	
	Nominal frequency, f	.....	HZ	
	Prospective highest short-circuit current, I _{cc}	.....	kV	
	External earth fault loop impedance, Z _e	.....	Ω	
	Utility supply	1-phase/3-phase		
	Rating	.....	A	
	Earthing system type			
Earthing	Incoming supply protective device type protective device nominal current rating	.....	A	
	RCD sensitivity where applicable	.....	mA	
	Earthing conductor material	.....	
	Conductor cross sectional area	.....	mm ²	
Earth electrode type	.....		
Earth electrode material	.....		
Resistance to earth	.....	Ω		
Protection against direct contact				
<i>Item</i>	<i>Compliance</i>		<i>Comments</i>	
Insulation of live parts				
Barriers				
Enclosures				
Equipment				
<i>Equipment</i>	<i>Selection</i>	<i>Erection</i>	<i>Comments</i>	
Energy meter				
Utility side breaker				
Utility coupler				
Surge arrestors				
Inverter				
Cables				
Wiring accessories				
Conduits				
Protective devices RCD, CBs, etc				
Other				
Identification				
<i>item</i>	<i>presence</i>	<i>Correct location</i>	<i>Correct wording</i>	<i>comments</i>
Labelling of protective devices, switches and terminals				
Warning notices				
Danger notices				
Identification of conductors				
Isolation devices				
Switching devices				
Diagrams and schedules				
General	Good workmanship and proper materials have been used <input type="checkbox"/>			
	Circuits to be separate (no interconnection of neutrals between circuits) <input type="checkbox"/>			
	Circuits to be identified (neutral and protective conductors in same sequence as line conductors) <input type="checkbox"/>			
	Disconnection times likely to be met by installed protective devices <input type="checkbox"/>			
	All circuits suitably identified <input type="checkbox"/>			
	Main isolator to break all live conductors, where applicable <input type="checkbox"/>			
	Main earthing terminal provided, readily accessible and identified <input type="checkbox"/>			
	Conductors correctly identified <input type="checkbox"/>			
	All connections secure <input type="checkbox"/>			
	All live parts are either insulated or contained within enclosures <input type="checkbox"/>			
Protection against direct contact	Insulation of live parts <input type="checkbox"/>			
	Barriers (check for adequacy and security) <input type="checkbox"/>			
	Enclosures have suitable degree of protection appropriate to external influences. <input type="checkbox"/>			
	Enclosures have cable entries correctly sealed <input type="checkbox"/>			
	Enclosures have unused cable entries blanked off where necessary <input type="checkbox"/>			
Non-flexible cables and cords	Correct type <input type="checkbox"/>			
	Correct current rating <input type="checkbox"/>			
	Non-sheathed cables protected by enclosure in conduit or trunking <input type="checkbox"/>			
	Where exposed to direct sunlight, of a suitable type <input type="checkbox"/>			
	Correctly selected and installed for use (buried/exterior walls/roof) <input type="checkbox"/>			
	Internal radii of bends in accordance with relevant standard <input type="checkbox"/>			
	Correctly supported <input type="checkbox"/>			
	Joints and connections electrically and mechanically sound and adequately insulated. <input type="checkbox"/>			
	All wires securely contained in terminals etc. without strain <input type="checkbox"/>			
	Enclosure of terminals <input type="checkbox"/>			
	Installation to permit easy replacement in case of damaged conductors <input type="checkbox"/>			
	Installation of cables to avoid excessive strain on conductors and terminations <input type="checkbox"/>			
	Protection against thermal effects <input type="checkbox"/>			
	One conduit allowed for conductors of the same circuit <input type="checkbox"/>			
	Connection of conductors (size of terminals adapted to cross-sectional area of the conductors) sufficient pressure contact shall be guaranteed <input type="checkbox"/>			
Selection of conductors for current carrying capacity and voltage drop considering the method of laying <input type="checkbox"/>				
Identification of N,PEN and PE conductors <input type="checkbox"/>				
Flexible cables and cords	Selected for resistance to damage by heat <input type="checkbox"/>			
	Prohibited core colours not used <input type="checkbox"/>			
	Joints to be made using cable couplers <input type="checkbox"/>			
	Final connections to other current-using equipment properly secured or arranged to prevent strain on connections <input type="checkbox"/>			
	Mass supported by pendants not exceeding correct values <input type="checkbox"/>			
Protective conductors	Protective conductors provided to every point and accessory. <input type="checkbox"/>			
	Flexible conduit to be supplemented by a protective conductor <input type="checkbox"/>			
	Minimum cross-sectional area of copper conductors <input type="checkbox"/>			
	Insulation, sleeving and terminations identified by colour combination green-and-yellow. <input type="checkbox"/>			
	Joints sound <input type="checkbox"/>			
	Main and supplementary bonding conductors of correct size <input type="checkbox"/>			
Wiring accessories	Visible indication of compliance with the appropriate product standard, where required in the relevant product standard. <input type="checkbox"/>			
	Box or other enclosure securely fixed <input type="checkbox"/>			
	Edge of flush boxes not projecting beyond wall surface <input type="checkbox"/>			
	No Sharp edges on cable entries, screw heads, etc. which could cause damage to cables. <input type="checkbox"/>			
	Non-sheathed cables, and cores of cable from which the sheath has been removed, not exposed outside the enclosure. <input type="checkbox"/>			
	Correct connection <input type="checkbox"/>			
	Conductors correctly identified. <input type="checkbox"/>			
	Bare protective conductors sleeved green/yellow <input type="checkbox"/>			
	Terminals tight and containing all strands of the conductors <input type="checkbox"/>			
	Cord grip correctly used, or clips fitted to cables to prevent strain on the terminals <input type="checkbox"/>			
Adequate current rating <input type="checkbox"/>				
Suitable for the conditions likely to be encountered. <input type="checkbox"/>				
conduits	Visible Indication of compliance with the appropriate product standard, where required in the relevant product standard. <input type="checkbox"/>			
	Security fixed, covers in place and adequately protected against mechanical damage <input type="checkbox"/>			
	Number of cables for easy draw-in not exceeded. <input type="checkbox"/>			
	Adequate boxes for drawing in cables <input type="checkbox"/>			
	Radius of bends such that cables are not damaged. <input type="checkbox"/>			
Rigid metal conduit	Connected to the main earthing terminal. <input type="checkbox"/>			
	Line and neutral cables enclosed in the same conduit. <input type="checkbox"/>			
	Conduit suitable for damp and corrosive situations. <input type="checkbox"/>			
Flexible metal conduit	Separate protective conductor provided. <input type="checkbox"/>			
	Adequately supported and terminated. <input type="checkbox"/>			
Rigid non-metallic conduit	Provision for expansion and contraction. <input type="checkbox"/>			
	Boxes and fixings suitable for mass of luminaire suspended at expected temperature <input type="checkbox"/>			
	Protective conductor provided. <input type="checkbox"/>			
Trunking general	Visible indication of compliance with the appropriate product standard, where required in the relevant product standard. <input type="checkbox"/>			
	Securely fixed and adequately protected against mechanical damage. <input type="checkbox"/>			
	Cables, erected and routed so that no damage is caused by the ingress of water <input type="checkbox"/>			
	Cables supported for vertical runs <input type="checkbox"/>			
	Suitable degree of protection appropriate to external influences and locations <input type="checkbox"/>			
Metal trunking	Phase and neutral cables enclosed in the same metal trunking <input type="checkbox"/>			
	Protected against damp or corrosion <input type="checkbox"/>			
	Correctly earthed <input type="checkbox"/>			
	Joints mechanically sound, and of adequate continuity with links fitted. <input type="checkbox"/>			
Distribution equipment	Visible indication of compliance with the appropriate product standard, where required in the relevant product standard. <input type="checkbox"/>			
	Suitable for the purpose intended <input type="checkbox"/>			
	Securely fixed and suitably labelled. <input type="checkbox"/>			
	Non-conductive finishes on switchgear removed at protective conductor connections and if necessary made good after connecting. <input type="checkbox"/>			
	Correctly earthed <input type="checkbox"/>			
	Conditions likely to be encountered taken account of, i.e. suitable for the foreseen environment. <input type="checkbox"/>			
	Correct IP rating applied <input type="checkbox"/>			
	Suitable as means of isolation, where applicable <input type="checkbox"/>			
	Need for isolation, mechanical maintenance, emergency and functional switching met <input type="checkbox"/>			
	All connections secure <input type="checkbox"/>			
	Cables correctly terminated and identified. <input type="checkbox"/>			
	No sharp edges on the cable entries, screw heads etc. Which could cause damage to cables <input type="checkbox"/>			
	All covers and equipment in place and secure <input type="checkbox"/>			
	Adequate access and working space <input type="checkbox"/>			
	Enclosure suitable for mechanical protection and, where applicable, for fire protection <input type="checkbox"/>			
	Protection against direct contact. <input type="checkbox"/>			
	Correct connection of equipment <input type="checkbox"/>			
	Choice and setting of protective devices (protection against overcurrent) <input type="checkbox"/>			
Wiring correctly fixed in distribution board. <input type="checkbox"/>				
Visible indication of compliance with the appropriate product standard, where required in the relevant product standard. <input type="checkbox"/>				
Protective devices	Visible indication of compliance with the appropriate product standard, where required in the relevant product standard. <input type="checkbox"/>			
	RCDs provided where required <input type="checkbox"/>			
	Discrimination between RCDs considered <input type="checkbox"/>			
Identification & Labelling	Warning Notices <input type="checkbox"/>			
	Danger notices <input type="checkbox"/>			
	Identification of conductors <input type="checkbox"/>			
	Isolation devices <input type="checkbox"/>			
	Switching devices <input type="checkbox"/>			
	Diagrams and schedules <input type="checkbox"/>			
Protective devices <input type="checkbox"/>				

I certify that the above filled particulars are true and correct

Inspected by:

Name **Signature** **Date**.....

(Chartered Electrical Engineer registered at CEB/LECO)