

Data Center Electrical Safety Walk Checklist

Site / Project	_____	Address	_____
Inspector name	_____	Company	_____
Date	_____	Time	_____

Documentation aid only. Adapt this resource to the site, manufacturer instructions, and applicable local requirements. It does not replace a competent person, professional judgment, legal advice, or a required statutory form.

Inspection checklist

LOTO (Lockout/Tagout) Compliance

☐	Is a written LOTO procedure readily available and specific to the equipment being worked on?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are all authorized employees trained in LOTO procedures and can demonstrate competency?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are LOTO devices (locks and tags) properly applied and clearly identified with the employee's name?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is energy isolation verified before starting work (e.g., voltage testing after lockout)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are electrical panels clearly labeled with voltage and LOTO requirements?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	For group LOTO, is a group lockout box used and properly managed?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Has a periodic inspection of the LOTO procedure been conducted within the last 12 months?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is there a documented procedure for the safe removal of LOTO devices?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are LOTO locks and tags in good condition and specifically designed for LOTO purposes?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are all potential sources of hazardous energy (electrical, mechanical, pneumatic, etc.) properly controlled?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Arc Flash Hazard Assessment & PPE

☐	Is a current arc flash hazard assessment available for the equipment being worked on (dated within the last 5 years)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are arc flash warning labels present and legible on all electrical equipment?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is appropriate arc-rated PPE (clothing, face shield, gloves) available and in good condition?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is the arc rating of the PPE sufficient for the calculated incident energy level?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are workers aware of the arc flash boundary and approach distances?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is a Qualified Person present and supervising the work?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are insulated tools rated for the voltage being worked on?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is the multimeter CAT III or CAT IV rated and in good working order?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are unqualified persons kept outside the restricted approach boundary?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is appropriate head protection (hard hat) being worn?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Temporary Power & Grounding

☐	Are all temporary power circuits protected by Ground Fault Circuit Interrupters (GFCIs)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are temporary power cords free from damage (cuts, abrasions, exposed conductors)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are temporary power cords rated for the environment (e.g., wet location)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are temporary power cords properly secured to prevent tripping hazards?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is all temporary electrical equipment properly grounded?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is there clear access to temporary power distribution panels?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

☐	Are temporary power circuits protected by appropriate overcurrent protection (fuses or circuit breakers)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are temporary power connections weatherproof and protected from the elements?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are extension cords used appropriately (not daisy-chained, not used as permanent wiring)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are temporary power systems inspected regularly?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

General Electrical Safety

☐	Is there adequate working clearance (3 feet) in front of electrical panels?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are all electrical panel covers in place and securely fastened?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is any damaged electrical equipment (e.g., cracked enclosures, loose wiring) taken out of service?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are cables and wiring properly managed to prevent tripping hazards and damage?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are conduits and raceways properly installed and supported?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are electrical components protected from moisture, dust, and other environmental hazards?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are appropriate fire extinguishers (Class C) readily available near electrical equipment?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is the area around electrical equipment kept clean and free from obstructions?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are regular electrical inspections conducted and documented?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are extension cords used only for temporary connections and not as permanent wiring?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Findings

#	Item	Location	Severity	Action required
1				
2				
3				
4				
5				
6				
7				
8				

Signature

Inspector signature _____

Name _____

Date _____