

Electrical Site Safety Checklist

For Construction Wiring Installation on Construction Sites

Company: _____ **Electrician:** _____

Site: _____ **License No:** _____

Before you start a job...

Planning

Has the head contractor for the site you will be working on been confirmed that:

- There is a system in place for keeping management and other workers up to date with the changing conditions of the construction wiring? _____
- There is a register system in place for testing and tagging electrical equipment brought on site? _____
- There is safe access to work areas? _____
- The structure is safe for working? _____

Work Methods

- Are the work methods to be used appropriate for this particular job? _____
- Are the work methods to be used of an equal or better standard than those in the code of practice? _____
- Are all workers familiar with the safe work methods? _____

Workers

Have new apprentices or electrical workers new to construction:

- Attended an induction for general site safety? _____
- Received a copy of the Code of Practice? _____
- Been supplied with appropriate protective clothing and equipment? _____
- Are apprentices or electrical workers new to construction being supervised by a licensed electrician?

On the Job...

Safety Switches

- Do all safety switches used comply with Australian Standards? Are safety switch devices fitted to:
 - Single phase final sub circuits and final sub circuits at switchboard _____
 - Permanent power outlets _____
 - Portable generators? _____

When were they last:

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- Trip tested _____
- Calibrated? _____

Power tools, plant, leads, electrical appliances

- Have they been tested recently? _____
- Have they been tagged in appropriate colour? _____
- Have corresponding records been made in a carbon book? _____
- Do hire electrical tools or plant have a tag issued by the supplier? _____
- Are the safety precautions for use being followed? _____

Switchboards

- Is there a locking device? _____
- Does it have bushed cord access holes? _____
- Does it have an isolating switch? _____
- Is it located in a secure and convenient place? _____
- Are feeds clearly labelled and old labels removed? _____

Main/Sub Mains/Final Sub Circuits/Construction Supply Boards

- Are they protected with overcurrent circuit breakers? _____
- Can they be locked in 'open' position? _____
- Should they be isolated at the end of the day? _____
- Is construction wiring distinguished from permanent wiring by use of coloured cables or yellow tape? _____

Power Outlets

- Are they rated at 10 amperes minimum? _____
- Are they controlled by double pole switches? _____
- Are power outlets in sheds used only to supply equipment within the shed? _____

Plug Boards or Electrical Portable Outlet Devices

Do they:

- Comply with Australian Standards? _____
- Have 240 volt socket outlets? _____
- Have overcurrent protection? _____
- Have safety switch protection? _____

Cables

- Are they supported so that they don't sag? _____

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- Are they enclosed in protective sheath, trays or troughing? _____
- Are they clearly marked 'construction wiring'? _____

Extension Cords and Fittings

Are extension cord plugs and sockets:

- Of the no-rewirable or the transparent type? _____
- Wired correctly so that the identity of the active, neutral and earth connections remain consistent?

Are extension cords:

- That carry 240 volts of the heavy duty sheathed type? _____
- Located away from water or liquids? _____
- Located above the work area so as to give clear access? _____
- Confined to the same floor as the power supply? _____
- Is the cord of any electrical device attached to an extension cord no longer than 5 metres? _____
- If an extension cord is used to supply electrical plant of fixed loading, has its length been determined in accordance with the loading of the plant? _____

Lifts and Service Shafts/Hoists/Transportable Construction Buildings

- Are each of these items supplied by a separate final sub circuit originating from the main switchboard with safety switch protection? _____
- Is the power supply for each of these items clearly identified? _____
- Are flexible cords supplying power to these items protected from mechanical damage? _____
- Where needed, is fluorescent light available? _____
- Other _____

Name: _____ Lic No: _____

Signed: _____ Date: _____