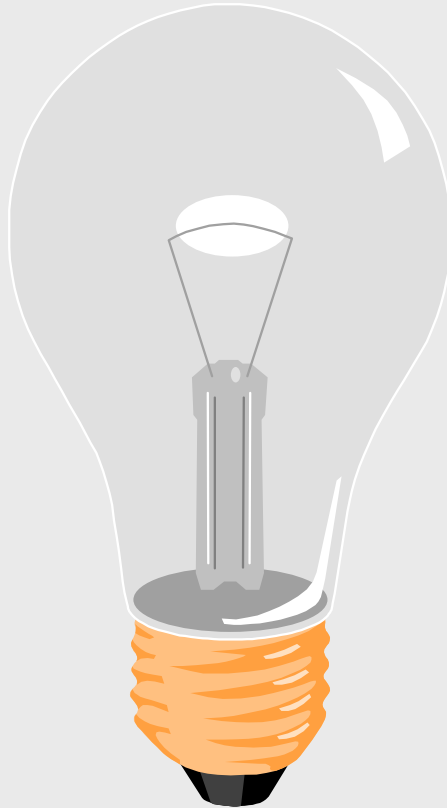


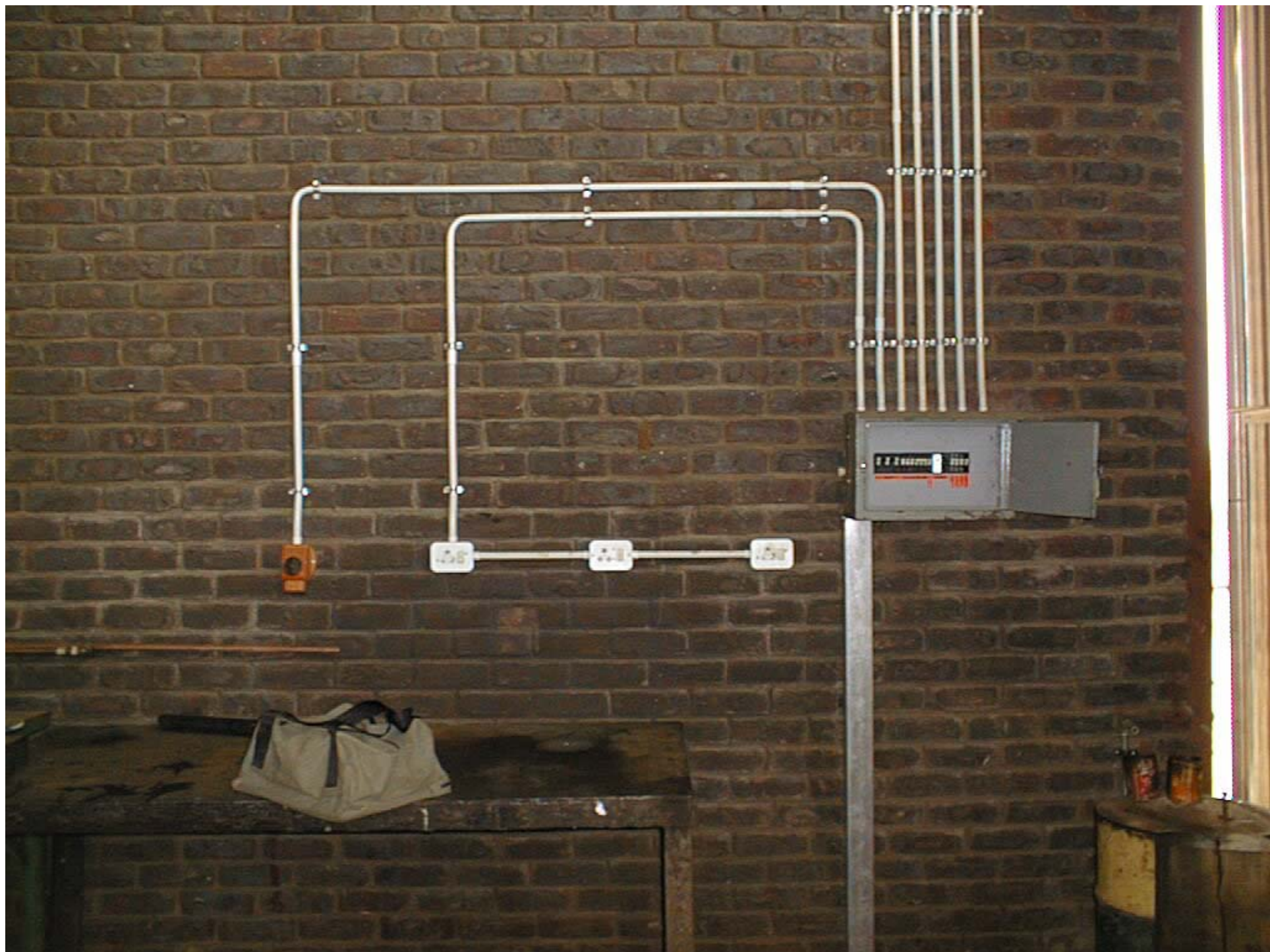
Electrical Machinery Regulations



Learning Objectives

- ✓ Electrical Control Gear
- ✓ Portable electric tools
- ✓ Inspection authorities
- ✓ Bare conductors on premises





Electrical control gear

- Label all controlling apparatus, on the front and back if applicable.
- Notices shall be posted at control gear of locked out electrical Machinery(Warning).
- No person shall act contrary to this warning.



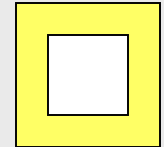
Portable electric tools



- The Use of portable electric tools operating at more than 50V is prohibited unless ~
- Earth leakage protection is provided as per SABS 767.
 - Individual double wound isolating transformer. Secondary unearthed(SABS 743).
 - High frequency generator approved by the Chief inspector.

Portable electric tools

→ Double or reinforced insulation



Portable electric tool with double or reinforced insulation cannot be sold unless~

→ It is clearly marked.

→ Insulation constructed as per SABS 1157.

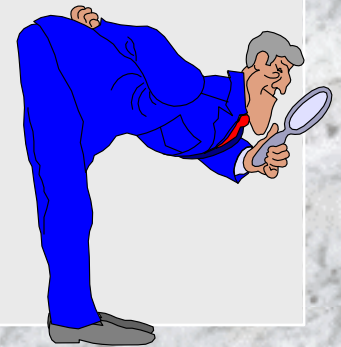
Portable electric tool cannot be used unless it has a on and off switch.

User to maintain in a serviceable condition.

Approved Inspection Authorities

The Chief inspector may~

- Approve any organisation performing prescribed functions regarding the testing and manufacture of electrical machinery.
- Require certain submissions(E.g. Equipment, resources, qualifications, experience etc.).
- Withdraw approval at any time.



Bare conductors on premises

- Bare conductors other than power lines, on premises shall be installed(placed) to prevent contact.
- Warning notices should be displayed.

