2005 Asia-Pacific Conference on Risk Management and Safety

Electricity Legislation in Hong Kong

Safeguarding the General Public in the Use of Electricity



The Electricity Ordinance (Cap. 406) – the regulatory framework aiming at protecting the general public in the use of electricity



CHAPTER 406

(This booklet is published under section 2(3) of the Laws (Loose-leaf Publication) Ordinance 1990. It is up to date as of 16 November 2001.)

PRINCIPAL DISTRIBUTION OF THE ORIGINAL PRINCIPAL PRINCIP

ELECTRICITY (WIRING) REGULATIONS

CHAPTER 406 SUBSIDIARY LEGISLATION

(This booklet is published under section 2(3) of the Laws (Loose-leaf Publication) Ordinance 1990. It is up to date as of 8 June 2001.)

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Electricity Ordinance (Cap. 406)

- Electricity (Wiring) Regulations
- Electricity (Registration) Regulations
- Electrical Products (Safety) Regulation
- Electricity Supply Lines (Protection) Regulation
- and other subsidiary regulations



Electricity (Wiring) Regulations

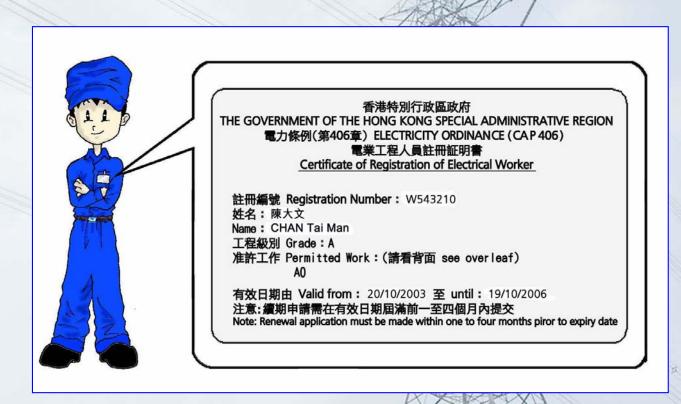
- Stipulate the safety requirements for design, installation, testing and certification of fixed electrical installations





Electricity (Registration) Regulations

- Specify the registration details for electrical contractors and workers
- Specify the qualifications and experience of registered electrical contractors and workers





Electrical Products (Safety) Regulation

- Ensures safety of electrical products supplied in Hong Kong





Electricity Supply Lines (Protection) Regulation

- Regulates construction activities to prevent damaging underground power cables and overhead lines







Major Electrical Incidents

- No one wants but incidents do happen from time to time
- EMSD conducts investigation to unveil the causes
- Prevent recurrence of similar incidents

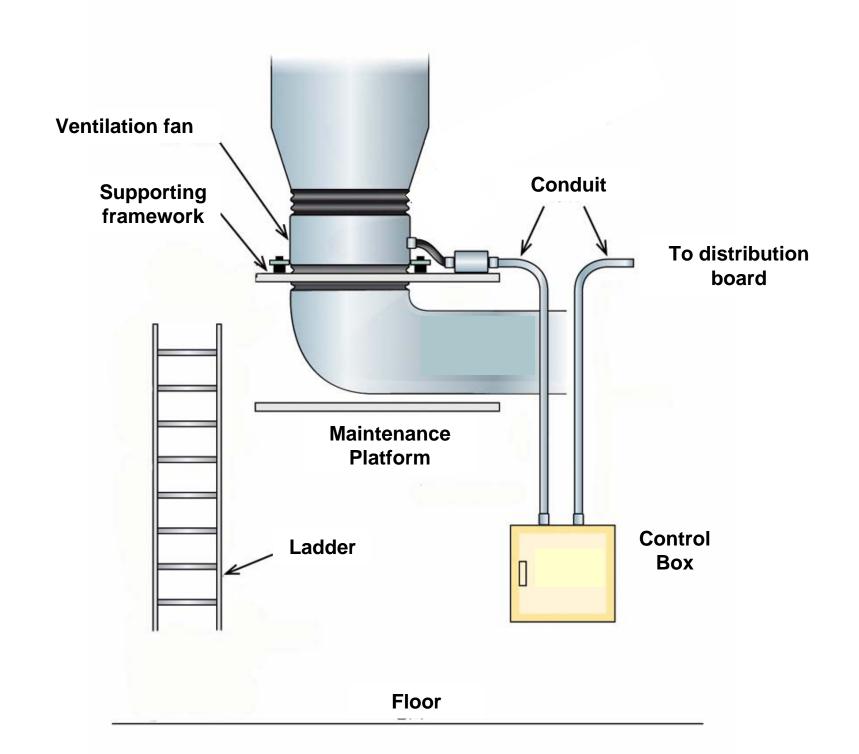


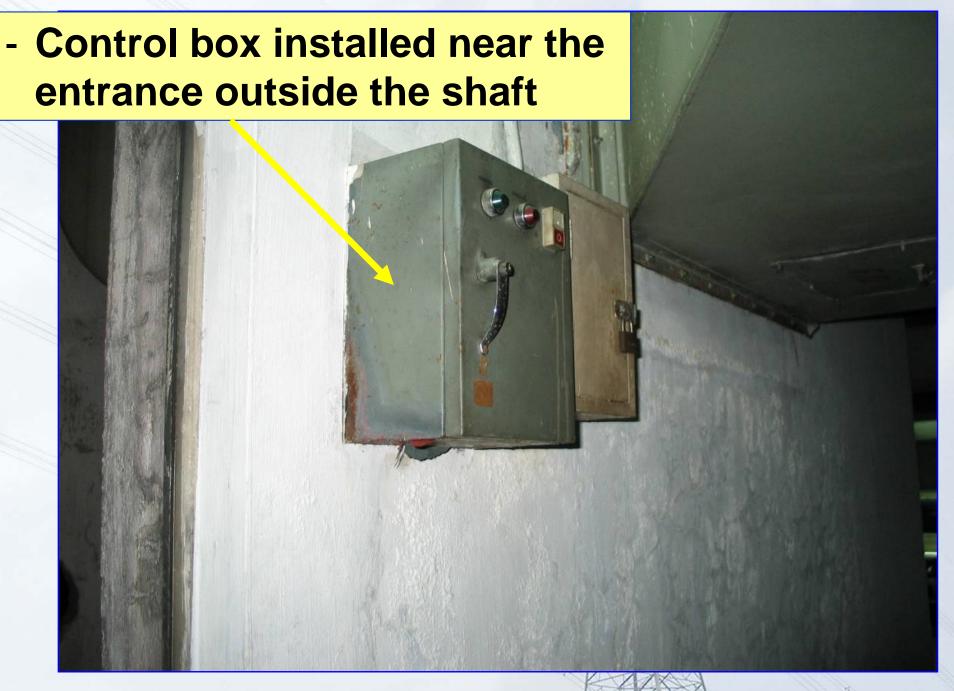
Electrical Incident

Case 1

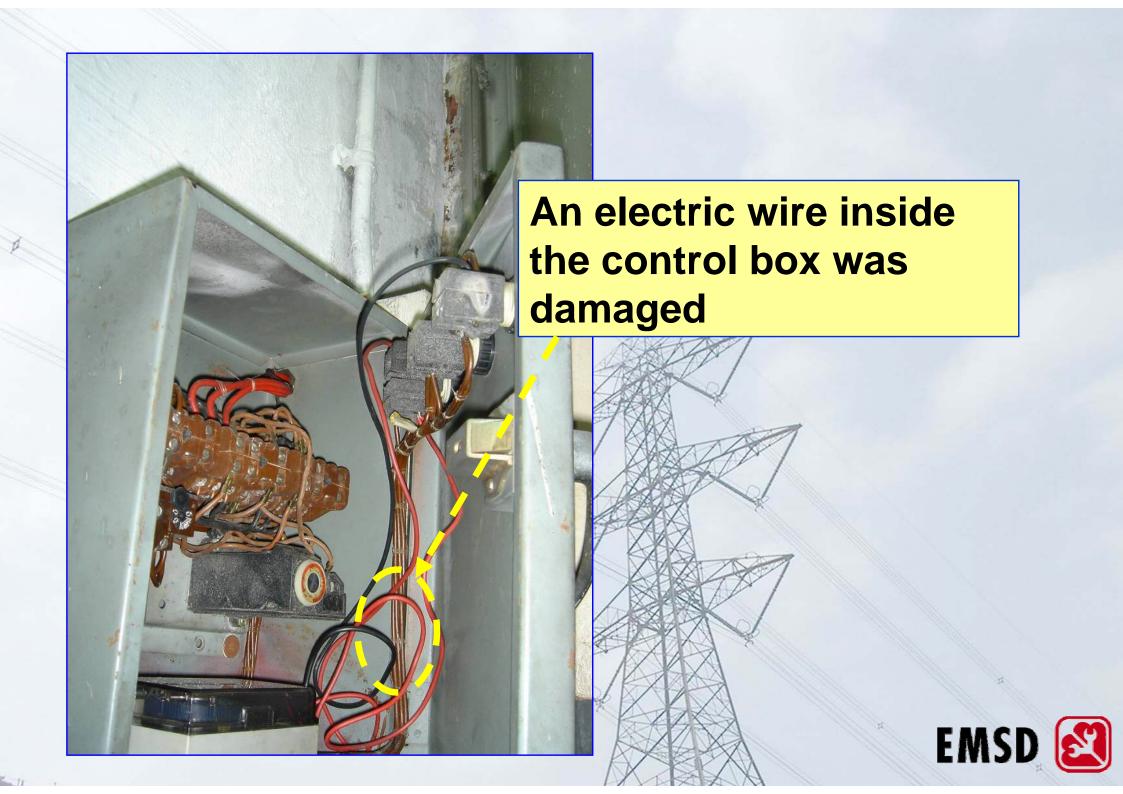
- Ventilation shaft inside car park
- A boy electrocuted when climbing up a metallic cat ladder inside the ventilation shaft

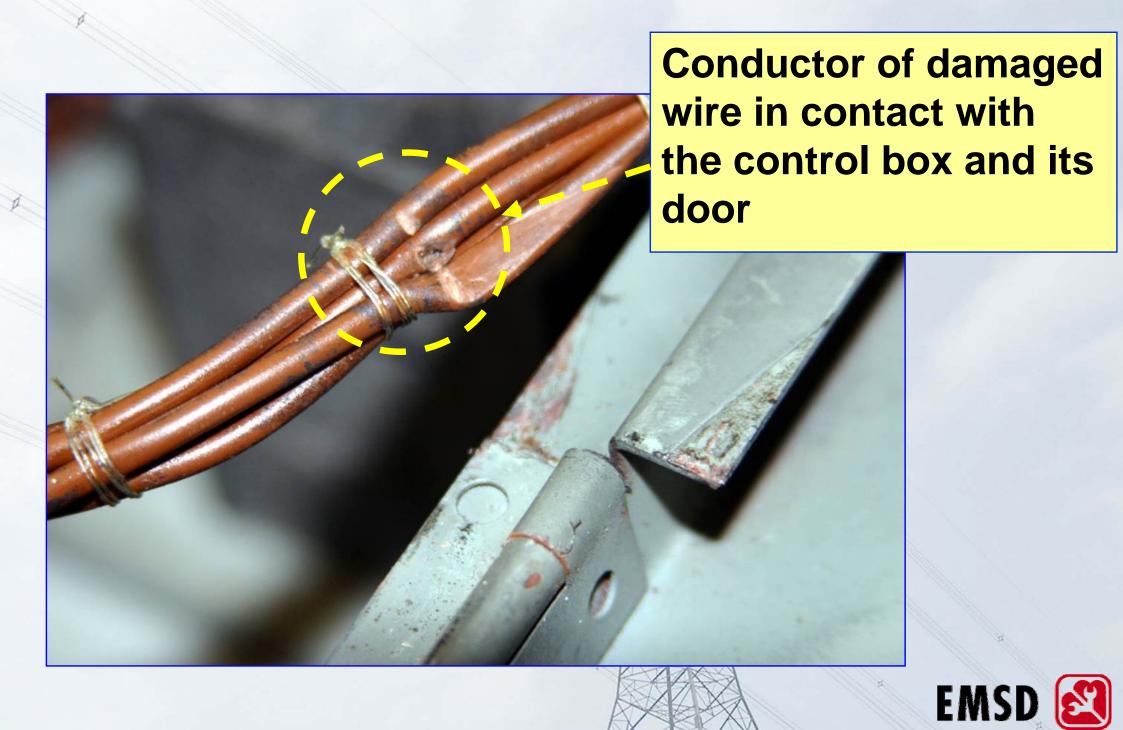


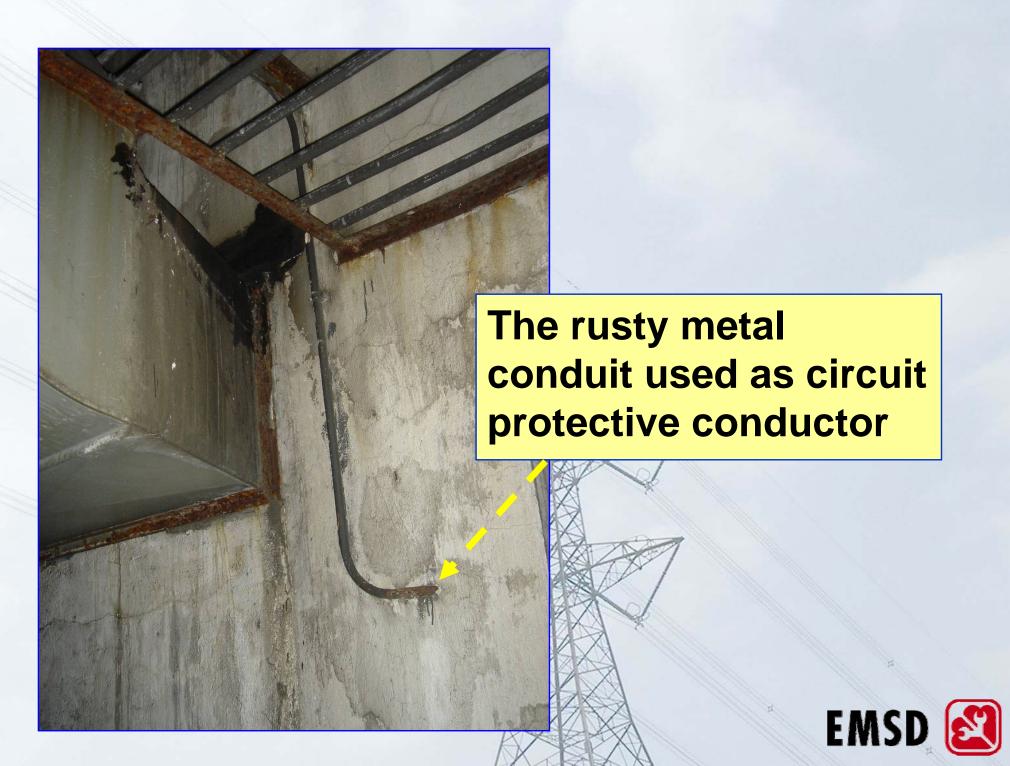




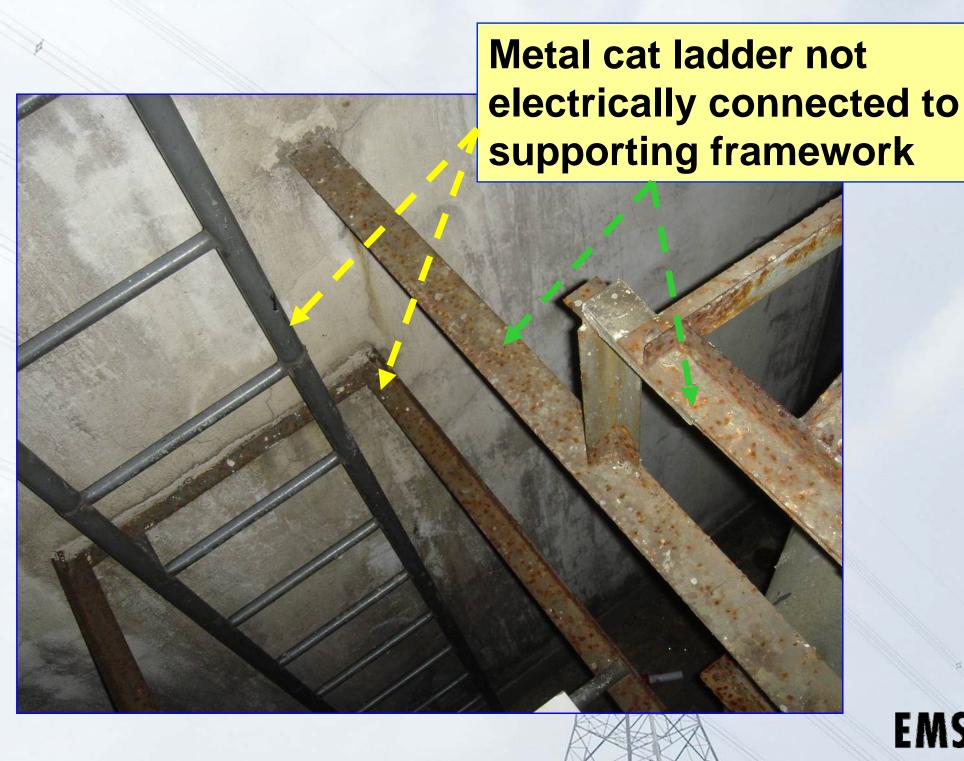




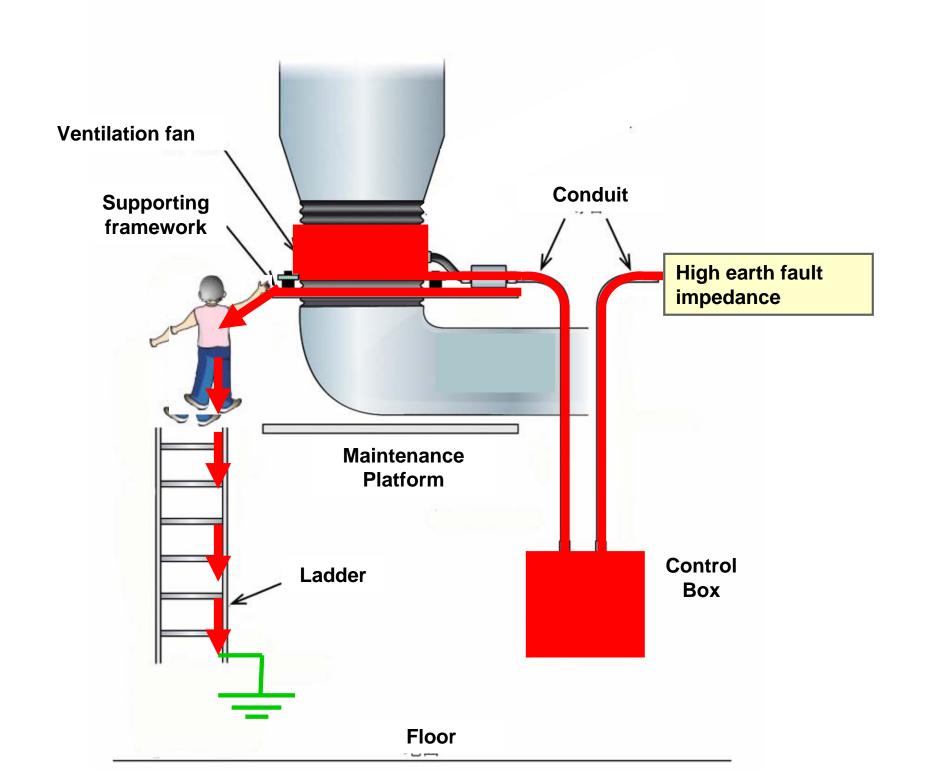












Recommendations

- Arrange periodic test for electrical installations
- Lock the door of the ventilation fan plant room and display a warning notice
- Relevant parties should consider to open school facilities during non-school hours

Action to Take

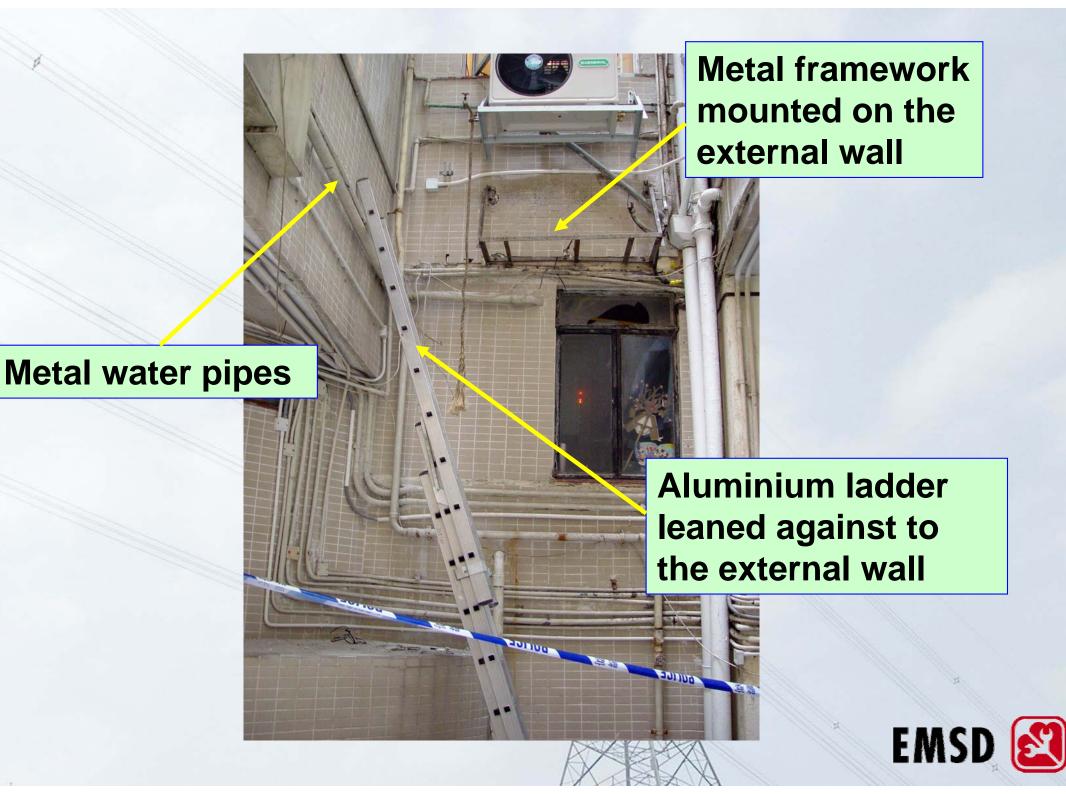
- Appropriate legal/disciplinary action against the registered electrical contractor and worker

Electrical Incident

Case 2

- A residential building
- A worker electrocuted when climbing up an aluminum ladder



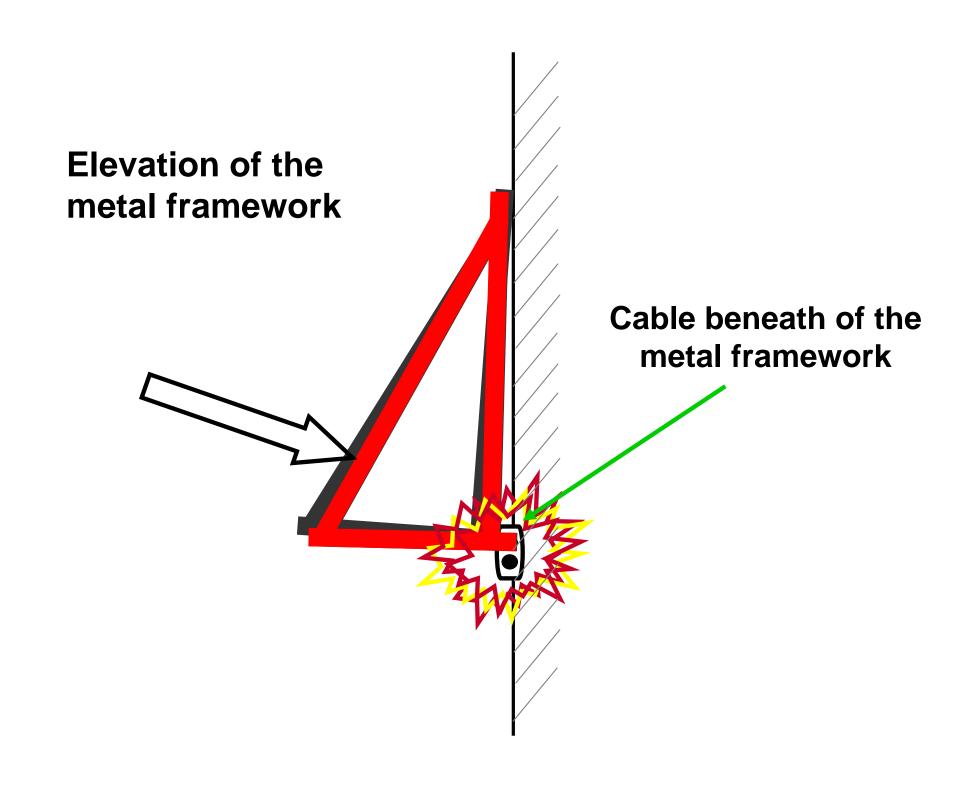


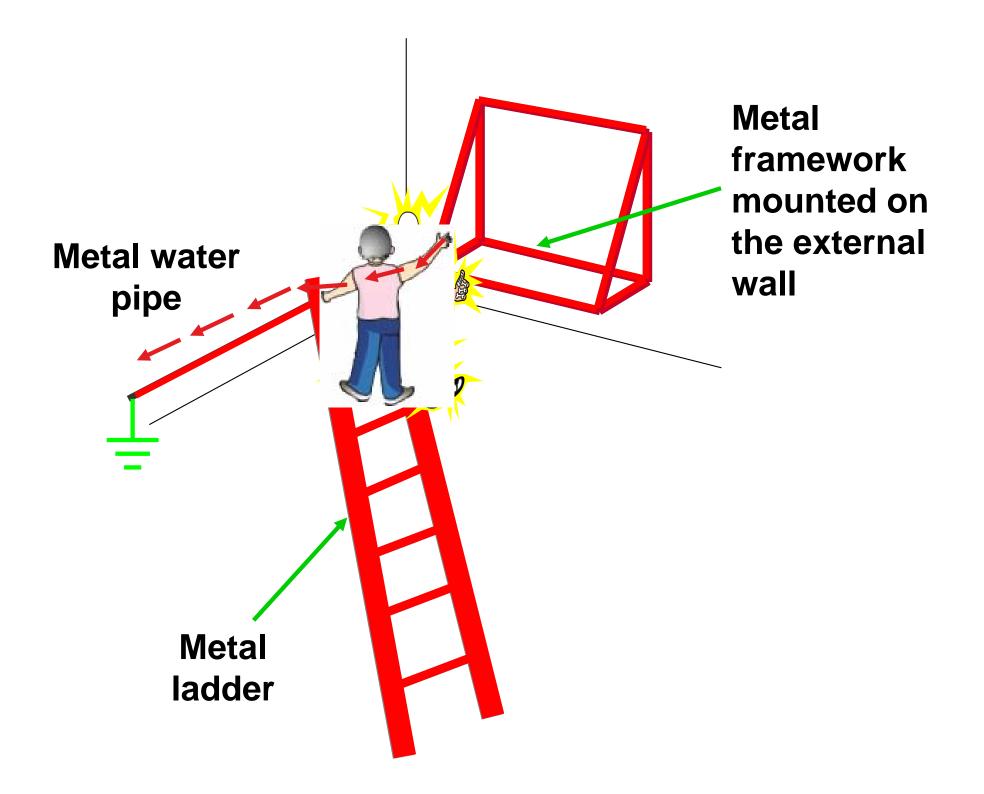
2-core PVC/PVC cable cut by edge of the metal framework











Recommendations

- Isolate and remove unused electrical cables
- Electrical cables installed outdoor should be mechanically protected
- Communal electrical installation should be properly inspected periodically

Action to Take

- Prosecute the contractor



INCIDENT PREVENTION

- Public education on electrical safety
- Enforcement Action –
 Prosecution/Disciplinary action





WAY FORWARD

- Continue to promote electrical safety (e.g. TV promotion videos, posters, newsletters, campaigns, seminars, etc.)
- Collaborate with the trade
- Keep abreast of the latest safety standards



Thank You

