



ELECTRICAL CORDS, PLUGS AND TEMPORARY DISTRIBUTION

Potential Hazards

1. spark
2. electrical shock/electrocution
3. equipment/property damage

Personal Protective Equipment Required

- | | | |
|-----------------|--------------------|----------------------------|
| Hard hat | CSA Boots | Eye protection |
| Hand protection | Hearing protection | Skin protection (clothing) |

PRELIMINARY ACTIVITIES

Where multiple trade activity is scheduled, the general contractor is to review in advance the priority of work and schedule the appropriate time frame to allow each trade to complete their scope of work. Prior to any work commencing supervisors must conduct a hazard assessment of all applicable work areas. Any hazards that are found during the hazard assessment must be addressed prior to any work commencing.

DO'S:

1. Stay clear of overhead power lines and wires.
2. Look up for hydro wires running through or beside trees.
3. Do a visual safety check for overhead lines before starting any activity.
4. Keep away from outdoor areas marked with signs that say "Danger" or "Danger High Voltage."
5. If high machines frequently work near overhead power lines, consult the power company regarding burying or diverting the lines.
6. Know the full height of equipment and machinery when all parts are raised to their full extent. Check these heights against the line clearance distances marked on the site plans so that you know where the particular areas of risk are.
7. Tell workers about the potential dangers and safe working practices, eg retract the booms of telescopic handlers and keep them as close to the ground as possible when the vehicle is moving.
8. Stay away from a downed power lines and inform the local service provider.

DON'Ts:

1. Do not touch an overhead wire with a pole, stick or other object. Electricity could travel down that object and cause a shock that could kill you.
2. Don't throw anything at wires or electrical equipment, and don't fasten things to utility poles. Damaged equipment can be very dangerous.
3. Do not construct any building beneath supply lines.
4. Do not climb electricity pylons, electricity poles or trees near power lines.

SAFE WORK PROCEDURE

Temporary distribution panels must be installed by qualified electricians and in compliance with the "Electrical Energy Inspections Act" of BC and the electrical code.

1. Doors and covers of electrical equipment shall be kept closed while the equipment is energized.
2. Ensure that circuit breakers and plug-ins are numbered to correspond to each other (i.e. circuit breaker 1, plug 1, circuit breaker 2, plug 2, etc.)
3. Electrical cords and appliances shall be CSA approved and shall be maintained in good order.
4. Open front plugs should be replaced with dead front plugs whenever possible.
5. Only qualified electricians shall repair temporary panels or install any hard wired electric circuits to panels.
6. Do not overload a circuit by plugging several power cords in one outlet.
7. Do not use light duty cords for any heavy load applications.
8. Inspect power cords and electrical fittings for damage prior to each use. Damaged power cords shall be removed from service and repaired or replaced.
9. Always ensure that all three prongs on a grounded power cord are in place. Do not use a power cord where the ground prong has been removed.
10. Always keep power cords away from tools during use.
11. Suspend power cords over walkways or working areas to eliminate tripping hazards.



12. Do not place unprotected power cords where they might be run over by vehicles or equipment on site. Always protect the cord by running it through electrical conduit or placing them between planks.
13. Do not tie knots in power cords. Knots can cause short circuits and electric shocks. Always loop the cords or use a twist lock plug.
14. Always ensure that electrical panel covers are in place and are not damaged.
15. Always store electric cords in a clean dry area off the ground
16. Electrical cords shall be cleaned and inspected for damage before being placed in storage.

Refer to the section on Electrical Safety in our OH&S Program for details on the Assured Grounding Program.