

UTILITY MECHANIC//SR. UTILITY MECHANIC

Ref . Code : L-UM-1

INSTALLING AND REPAIRING TEMPORARY POWER DROPS		
Activity	Hazard Identification	Required Precautions
1. Driving to and from work site.	1. Motor vehicle accident; striking pedestrians, bicyclists, or individuals using rollerblades.	1. Wear prescription lenses, if required, and seatbelt. Verify that all equipment on vehicle is secured properly. Stay alert for pedestrians, bicyclists, and individuals using rollerblades.
2. Using stepladder.	2. Ladder collapsing; slipping/falling from ladder.	2. Inspect ladder before use. Use ladder of proper height. Make sure ladder is properly assembled and locked and standing on level ground. Do not exceed weight limit for ladder. Do not stand on top of ladder or on top rung. Have coworker hold ladder.
3. Using extension ladder.	3. Ladder falling; slipping/falling from ladder.	3. Use bucket truck if possible. Inspect ladder before use. Verify that ladder is properly assembled and that it is securely positioned on level ground. Tie safety rope to hold ladder to roof. Use 1'-4' rule. Use OSHA decal to verify that ladder is in the proper position.
4. Lifting heavy and awkward equipment.	4. Back strain; overexertion.	4. Know your weight-lifting capacity and get help if needed. Lift using leg muscles. Keep back straight. Use mechanical lifting equipment. For very heavy or awkward objects, always have at least two people lifting.
5. Using power tools such as drills, generators, sawzalls, hot box.	5a. Electric shock; electrocution.	5a. Inspect cord before use. Keep power cord away from work area. Plug tools into GFCI-protected outlets. Do not use electric tools if work area is wet.
	5b. Tripping over or cutting power cord.	5b. Keep power cord away from work area.

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	5c. Injury from flying bits of material.	5c. Wear safety glasses, and optionally a dust mask, gloves, long-sleeve shirt and/or coveralls.
	5d. Drill or saw catching; drill bit breaking; severe lacerations; dismemberment.	5d. Keep tools in good condition. Inspect tools before use. Verify that guards work properly. Do not put hands near blades. When using tools, make sure you have a good center of gravity and are properly balanced. Hold tools securely with two hands to maintain control.
	5e. Burning self severely on coil or hot pipe when using hot box to bend pipe.	5e. Wear gloves. Do not touch coil.
6. Using hand tools such as wire cutters, crimps, socket set, screwdrivers, and wrenches.	6a. Electric shock; electrocution.	6a. Make sure power is off.
	6b. Cuts, pinches, smashes, punctures, severing of fingers.	6b. Keep tools in good condition. Inspect tools before use. Ear safety glasses. Work away from yourself. Use normal caution required for all hand tools.
7. Running generator.	7a. Getting burned if radiator overheats and shoots hot water.	7a. Be aware of faulty equipment. Optionally, wear long sleeve shirt and/or coveralls, and leather or cotton gloves.
	7b. Exhaust burns.	7b. Avoid contact with engine. Optionally, wear long-sleeve shirt and/or coveralls, and leather or cotton gloves.
	7c. Getting caught in fan or belts.	7c. Do not wear loose clothing, jewelry, or keys. Keep away from moving parts.
8. Working in poorly lighted areas when electricity has been turned off.	8a. Dark work area.	8a. Set up portable lighting plugged into generators outside building.
	8b. Tripping over power cord.	8b. Keep power cord away from work area.
9. Working on energized lights.	9. Electric shock; electrocution.	9. Shut off power if possible. Be aware of what you are working with. Tape off wires while working.

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10. Working in area of pedestrian traffic.	10. Pedestrians knocking over ladders or lights or bumping into worker; pedestrians getting hit with equipment or falling tools, etc.	10. Secure area using cones and caution tape before beginning work.
11. Working in area of vehicular/pedestrian traffic.	11. Worker, ladder, or vehicles being struck by motor vehicle.	11. Secure area using cones and caution tape before beginning work. If possible, block off work area using vehicles. Turn on safety lights.