

**HVAC TECHNICIAN//CERTIFIED HVAC TECHNICIAN//
 HVAC TECHNICAL TEAM LEADER**

WORKING ON LAB EXHAUST FANS		
Activity	Hazard Identification	Required Precautions
1. Walking to and from work site.	1a. Back ache; overexertion from carrying heavy weight.	1a. Transport heavy equipment using hand trucks or in pickup truck with hydraulic lift. Know your weight limit and get help if needed. Lift using leg muscles. Keep back straight.
	1b. Slipping; tripping; getting knocked into by pedestrians.	1b. Stay alert. Wear boots with good treads. In wet or icy weather, walk on clear sidewalks.
2. Driving to and from work site.	2. Motor vehicle accident; striking pedestrians, bicyclists, or individuals using rollerblades.	2. 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.
3. Using stepladder.	3. Ladder collapsing; slipping/falling from ladder.	3. 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.
4. Using extension ladder.	4. Ladder falling; slipping/falling from ladder.	4. 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.
5. Using interior scaffolding.	5. Scaffolding collapsing; falling from scaffolding.	5. Verify that scaffolding is properly assembled and wheels locked. Use safety rails properly. Verify a safe means of climbing on/off scaffolding.

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6. Working in confined spaces.	6a. Serious illness due to lack of oxygen or exposure to methane gas.	6a. Before working in confined area, verify that it is safe by monitoring air (get confined space permit as required). While working, always ventilate area using fan. Always have at least one person outside confined area to monitor safety of those working inside.
	6b. Dark work area.	6b. Replace burned out bulbs. Use flashlights or droplights, plugged into GFCI-protected outlets, as auxiliary lighting.
	6c. Working for long periods of time in cramped position can lead to backache or neck ache.	6c. Leave confined area frequently to stretch out.
7. Working in poorly lighted areas.	7. Dark work area.	7. Replace burned out bulbs. Use drop lights, plugged into GFCI-protected outlets, as auxiliary lighting.
8. Removing motors or bearings.	8a. Inhalation of exhaust fumes.	8a. Clear exhaust hood if possible. If not possible, wear respirator, gloves, and safety glasses.
	8b. Illness, injury, explosion, fire—all possibly fatal.	8b. Insure that you've spoken to the people responsible for the lab and clearing out the exhaust hood. Wear proper safety equipment. DO NOT USE TORCH!!