

Jobsite: _____
 Foreman: _____

Date: _____
 G.C. _____

SMOHIT Safety Sense
 Toolbox Talks for the Sheet Metal Industry

Electrical Safety for Non-electricians

- Sheet metal workers often use electricity for power and light on a jobsite. While your job does not require you to know about electrical components and how they work, you should know that electricity can be dangerous, how to work safely with electricity and to protect yourself from electrical shock.
- It isn't the amount of voltage in a circuit that makes the difference between life and death - it's the amount of current that runs through vital parts of your body. Even the 110-volt power in your home could kill you if you come in contact of the electrical path while standing on a concrete floor or touching a water pipe.
- Use Ground Fault Circuit Interrupters (GFCIs) or an assured grounding conductor program on construction sites. These are your only two choices per OSHA.
- If any electrical tool or device near your work area sparks, overheats or smokes, shut it off and report it to your supervisor. Do not try to fix it yourself.
- Stay way from all electrical switches, fuse boxes, or other devices unless you have been trained and authorized to handle them. Pay attention to warning signs.
- Keep metal objects, such as ladders, duct and pipes away from live electrical circuits.
- When using electrical equipment, such as portable electrical tools, extension lights, etc, in a situation where there is a lot of moisture or where you have to contact grounded metal, like water or heating pipes, get approval and guidance from your supervisor first.
- If a co-worker comes in contact with an electric current, do not touch him/her because the current may shock you too. Stay away form the immediate area, as electricity may exist in the ground. Turn off the power and use a non-conductive material to remove him/her from the electrical source, then call for help.

Instructor Tips

- **Ask workers if they have ever had a bad experience while working with electricity (e.g., shorts, shocks, etc.).**
- **Explain how even a little bit of electricity can be deadly in certain circumstances.**

Name		Init.	Name		Init.
1.			13.		
2.			14.		
3.			15.		
4.			16.		
5.			17.		
6.			18.		
7.			19.		
8.			20.		
9.			21.		
10.			22.		
11.			23.		
12.			24.		