## City of San Angelo 72W College Ave 2nd Floor San Angelo TX 76902



	3.	arety services company
Worksite: Instr	uctor:	Date/Time:
Topic C015: Groun	nding & Electrical 1	<b>Tools</b>
Introduction: Electricity can be safe if properly respected. improperly grounded temporary electrical systems or damage Code for grounding conductors requires that a system grounding available on the premises, provided the length of the buried grounding electrode must be utilized.	A large percentage of elected power tools and extension ing conductor be connected to	etrical accidents are caused from using cords at work. The National Electrical any local metallic water-piping system
Ground Fault Circuit Interrupters (GFCI) will help to miniare not foolproof, and under wet conditions are not always conditions or if the user of an electrical device is touching a m	effective. Fatal shocks are m	nost likely to occur under damp or wet
Extension cords are used at work for many purposes and, nazardous. If the wrong length or size of cord is selected for creating an over-current hazard.	if not carefully chosen for to a particular tool then the v	he job and properly cared for, can be oltage available is reduced to the tool,
Plugs and receptacles must match the job at hand. Each type current. Most plug-in electrical tools manufactured today are nousings, double insulation, and other safety features. If possions are the possion of the property of the possion of the property of the possion of the property of	e designed to reduce the dang	ger of electrical shock and have plastic
Specific OSHA regulations that cover grounding requirem	ients:	
A conductor used as a grounded conductor or as an equipment conductors.  No grounded conductor should be attached to any terminal or a grounding terminal or grounding-type device on a receptation of the purpose.  The employer should use either a GFCI or an assured equipment grounding conductor program as specified to protect employees in the workplace.  All 120-volt, single-phase, 15- and 20-ampre receptacle outlets at the workplace which are not a part of the permanent wiring of the building or structure and which are in use by employees should have approved GFCIs for personnel protection.  Receptacles on a two-wire, single-phase portable or vehicle-mounted generator rated not more than 5KW, where generator frame or other grounded surfaces, do not need to be the employer must ensure that all portable electrical tools plugs (three prong), and should have double insulated housing conclusion: The above-mentioned regulations and requirem fatalities. It is the employer's responsibility to provide responsibility to use safe work practices, good sense, and caused to safe electrical-powered operations.	Keep in mind that G under wet conditions a shocks are most likely conditions or if the u touching  ere the circuit conductors of GFCI protected. used in the workplace are ec gs for added shock protection.	designated polarity. hment plug should not be used for any defective are not foolproof, and have not always effective. Fatal by to occur under damp or wet have of an electrical device is have a metal object.  The generator are insulated from the have quipped with proper system grounding have mplemented to curtail electrical shock hent. Likewise, it is the employee's
Employee Attendance: (Names or signatures of personnel who are attending this meeting)		

These guidelines do not supersede local, state, or federal regulations and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.