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HARVARD

Campus Services ENVIRONMENTAL HEALTH & SAFETY

	Date: 10/6/08	Toolbox Talk #1
	BASIC E	LECTRICAL
Never connect extension cords/power strips to each other.	non-electricians. Extension cords/Power Strips • Extension cords should r • Ensure that cords are in should not be cracked/br unsafe extension cords. • Only licensed elec cords. • Extension cords r pallet jacks, heav • Power strips should not i structure, even if the pow • Power strips or extension	ight upon basic electrical safety geared towards not be used in place of permanent wiring. proper working condition (the outer insulation roken, the ground pin needs to be intact). Discard ctricians are authorized to replace plugs, or splice need to be protected from motor vehicles, fork lifts, y pedestrian traffic, etc. be permanently mounted to a wall or any other wer strip has specific mounting fittings. n cords should not be connected to each other. Do- circuit creating a potential fire hazard.
GFCI– Should be in- stalled in any location with a potential water hazard. (Either at the	 Circuit Overload Protection De These devices are designed t prevent a potential fire. Fuses- Break the circuit circuit. A small conducto es a specific temperature Circuit Breakers- As o inside the breaker general 	vices: o protect the wiring in a house/building and to t when too much current is flowing through the or inside the fuse heats up and melts when it reach-
outlet or the circuit breaker) <u>Environmental</u> <u>Health, Safety &</u> <u>Emergency Manage-</u> ment	 A GFCI works by detecting in a circuit. The GFCI detection of GFCIs should be installed. You will commonly find the GFCIs can be at the breat 	ers otect people from an electric shock. Ing a current drop from the hot to the neutral wiring etects energy that is escaping the circuit. I wherever a water hazard is present. GFCI plugs on hairdryers, wet vacs, etc. ker, the outlet, incorporated with the plug of the ment, or part of a short extension cord.

Other common Electrical Safety Issues

- Discard any piece of equipment that gives you even the slightest shock. If • the resistance through your body is lowered i.e. standing in water or touching metal, even the slightest shock can be deadly.
- Never use electrical equipment in or around water.
- Junction boxes and electrical panels need to have proper covers in place to • conceal all wiring.
- Hard wiring should not be exposed/accessible to non-electrical employees. •