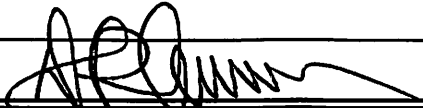


**UNIVERSITY OF TOLEDO
FACILITIES AND CONSTRUCTION**

Section:	Electrical/Electronics	Procedure Number:	E-28
Subject:	Wiring Designs & Protection	Effective Date:	April 1994
		Revised Date:	November 2016
Facilities Officer:		Reviewed Date:	December 2019

Standard Operating Procedure

To follow OSHA guidelines pertaining to design safety standards for electric utilization systems.

Purpose

To address the electrical safety requirements that are necessary for the practical safeguarding of employees in their work place.

Procedure

All employees are directed to follow the guidelines as outlined in the 1993 Code of Federal Regulations, Part 1910.304 and 1910.305 which include: protection of conductors and equipment, location in or on premises, arcing or suddenly moving parts, two wire DC systems to be grounded, AC systems to be grounded, AC systems 500-1000 volts not required to be grounded, grounding connections, grounding path, fixed equipment required to be grounded, grounding of equipment connected by cord and plug, grounding of non-electrical equipment, methods of grounding fixed equipment, flexible cords and cables uses, flexible cords and cables prohibited, flexible cords and cables, splices, circuit breakers operated vertically, circuit breakers used as switches, grounding of systems of 1000 volts or more supplying portable or mobile equipment, switching series capacitors over 600 volts.