Electrical Hazards

Electrical hazards have multiple potential exposures as there is not only the chance of electrocution but there is also the probability that any electric shock will cause a loss of consciousness that may result in a fall of some sort.

Today we will discuss methods of receiving an electric shock and ways to avoid electrical hazards.

Methods of Receiving an Electric Shock

From a defective power tool.

From defective extension cords.

From overloading a switch or over-riding a by-pass.

By not grounding electrical equipment.

By coming in close contact with live electric lines.

Ways to Avoid Electric Hazards

Always inspect tools /equipment for frayed cords and defective plugs before using.

Never use a power tool that has had the ground plug removed; inspect the plug.

Never stand in water and operate a power tool without proper (i.e., insulated) footwear.

Keep extension cords out of water when in use.

Consider all power lines “live” and avoid contact with them.

Follow the company assured grounding/electrical protection program.

Disconnect all electrical tools and cords when not in use.

Make sure all temporary lighting is equipped with bulb covers.

Make sure all power supplies, circuit boxes and breaker boxes are properly marked to indicate their purpose.

Use Ground Fault Interrupters (GFI’s) on all jobsites.