

The "C-Change" Initiative:

1. Change behaviors.
2. Challenge ourselves to re-think how we work.
3. Certify the results on a daily basis.



# Tool Box Talk

Week of May 22<sup>nd</sup>, 2011

## Electrical Safety

This is the fourth in our series of May's Electrical Safety Tool Box Talks. The goal of this Tool Box Talk is to establish an Electrical and Equipment Inspection/Labeling System to ensure tools, cords, hoses, PPE, and rigging equipment have been inspected for each designated period and can be verified through the color coding system established.

In week one we discussed the four major hazards on construction sites with electrical hazards being the most difficult to identify. Week two we identified how a small amount of electricity can be fatal given the right circumstances. Week three we reviewed some examples of electrical related construction accidents and how important hazard recognition, being aware of your surroundings, equipment inspections and using GFCI's is to your health and safety. This week, we'll focus on identifying electrical and other items that will be required to be inspected quarterly. JJW has taken a proactive approach to this everyday hazard by identifying tools and equipment that are at risk of sustaining damage in their everyday use and have the potential to cause serious harm to our employees.

As previously stated, contact with electricity can have serious if not fatal consequences. It typically happens to unsuspecting individuals and does not discriminate as all personnel are subject to its lethal power. By inspecting our extension cords, power tools, hoses and equipment, we can greatly reduce the chance of any incident occurring. JJW has developed a list of equipment, though not all-encompassing, that outlines the types of equipment we will be incorporating into our Quarterly Inspection Program and designates the colors that will be used for each quarter.

The Color coding system will be as follows:

	<b>1<sup>st</sup> Quarter</b> January- March		<b>3<sup>rd</sup> Quarter</b> July- September
	<b>2<sup>nd</sup> Quarter</b> April- June		<b>4<sup>th</sup> Quarter</b> October- December

Coordinating colored electrical tape will be applied to both ends of extension cords, hoses and welding leads. Power tools and equipment with short tails will only require tape at or near the end plug. Other equipment including fall protection and rigging equipment shall be labeled as close as possible to the manufacturers tag to aid in the inspection and labeling process.

## Quarterly Color Code Inspection Process

The Following list is not all-encompassing. Additional items may be required to be inspected as well. Ask your Superintendent, Foreman or Safety Coordinator for guidance.

A. All PPE used for fall protection:

Harnesses, lanyards, retractable lanyards, "D" rings, cross arm straps, beam clamps, etc.

B. All rigging and hoisting equipment:

Chain falls, come-a-longs and electric and air powered hoists, nylon slings, wire chokers, spreader bars, and trolleys.

C. Power tools:

Saws, drills, grinders, etc.

D. Hoses:

Air, supplied air, water, steam, fire water, hydrocarbon, Argon, Acetylene, Propylene, Oxygen, Mapp, Nitrogen and HPWW hoses.

E. Electrical:

Extension cords, welding leads, ground cables, stingers, specialty welding equipment, welding rod ovens, temporary lights, hydrostatic pressure test pumps and GFCIs.

Note: Extension cords, welding leads, ground cables and utility hoses must be color coded at both ends.