


WHAT YOU NEED TO KNOW

A PowerHawke Informational Series
Electrical Safety Services

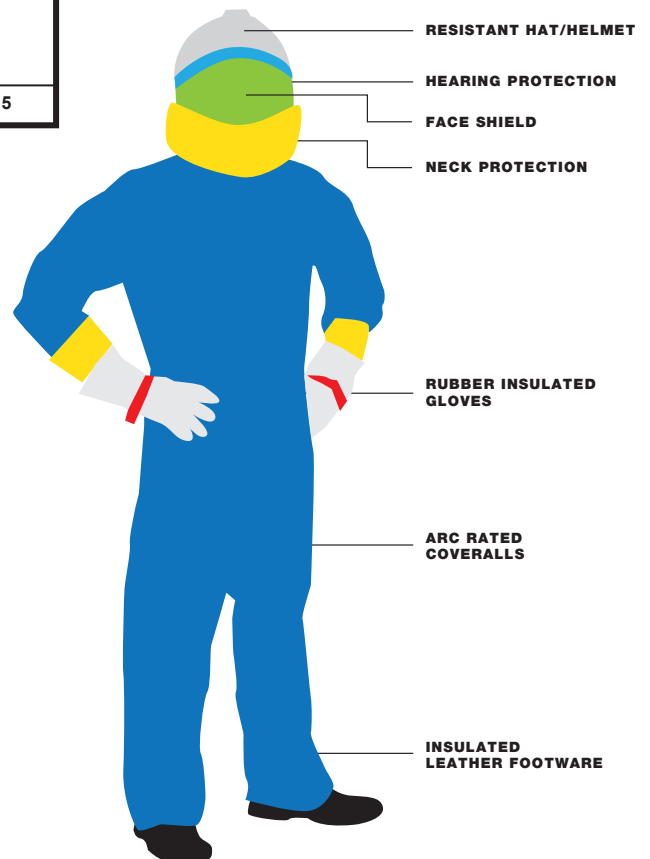
Arc Flash & Shock Hazard Labels

An arc flash incident results from electrical tasks being conducted without proper precautions. The flash itself is a “fireball” that can permanently disable or disfigure an individual in a fraction of a second, and can even kill. Electrical shock is a separate but closely related NFPA 70E issue when it comes to working safely.

WHAT YOU NEED TO KNOW ABOUT ARC FLASH LABELS

 WARNING	
Arc Flash and Shock Hazard Appropriate PPE Required	
2' - 0" 2.3	Flash Hazard Boundary cal/cm² Flash Hazard at 18 inches
0.48 3' - 6" 1' - 0"	kV Shock Hazard when cover is removed Limited Approach Restricted Approach - Class 00 Voltage Gloves
Equipment Name: PNL-3 (Fed by: BL-2) 2015	

ARC FLASH SECTION



Arc Flash Boundary = distance within which a person could receive a 2nd degree burn if an arc flash were to occur


Incident Energy = the energy of an arc flash at 18 inches if one were to occur

PPE = Personal Protective Equipment needed to protect a person working within the arc flash boundary if an arc flash were to occur

All arc flash resistant clothing / gear must meet current NFPA 70E standards based on Arc Thermal Performance Value for four categories which are based on the level of potential exposure to flashes and blasts.

Shock Hazard Labels

WHAT YOU NEED TO KNOW ABOUT ARC FLASH LABELS

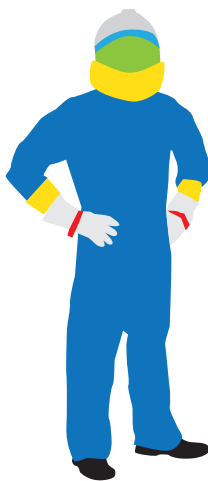
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kV = system voltage
(0.48 = 480V)

Restricted = increased risk of shock due to an electrical arc from a conductor or part

Limited = distance from an exposed electrical part where a shock hazard exists

SHOCK HAZARD SECTION



The workspace and its safety boundaries **MUST** be defined to avoid energized components which includes flash protection area, restricted area and prohibited area where circuits and/or conductors are located.

Remember: Working on arc equipment and circuits **MUST** be done **ONLY** after equipment has been de-energized. An arc flash hazard analysis will help you keep your workspace safe.

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