



Is your facility following the latest standards to provide maximum safety around equipment and other electrical hazards?

ARC FLASH HAZARDS

Is your facility compliant with OSHA and NFPA 70E standards? Are your employees wearing the appropriate PPE? Are you tired of dealing with look up tables and complicated formulas?

According to the CDC, an estimated 5-10 arc flash incidents occur in electrical equipment everyday in the U.S. It is important for all employers to be aware of Arc Flash Hazards and comply with current standards to prevent these accidents from occurring. Our complete study includes:

- Short circuit current and incident energy calculations
- Arc flash protection and shock protection boundaries
- Arc Rated Clothing and Personal Protective Equipment (PPE) required
- Arc Flash labels

SHORT CIRCUIT STUDY

Are your facility one line drawings up to date? Is your equipment properly rated?

Let us update your drawings and perform a short circuit study. **The short circuit study insures personnel and equipment are properly protected.**

We find the maximum available fault current at all locations and compare it with the ratings of your equipment to determine if the equipment is adequately rated to safely withstand or interrupt the calculated fault current.

The NEC requires all electrical equipment be adequately rated for the available fault current.



Are your employees wearing the proper PPE?



WARNING

Arc Flash and Shock Hazard
Appropriate PPE Required

3' - 2"	Flash Hazard Boundary
3.6	cal/cm ² Flash Hazard at 18 Inches
#1	PPE Level
	FR shirt and FR pants or FR coverall
0.48	kV Shock Hazard when cover is removed
3' - 6"	Limited Approach
1' - 0"	Restricted Approach - Class 00 Voltage Gloves
0' - 1"	Prohibited Approach - Class 00 Voltage Gloves

Equipment Name: PDC 5 (Fed by: PDC 5 MAIN)
Performed By: ICE Corporation Date: 3/01/2012

COORDINATION STUDY

Are you having coordination issues in your facility? Are your upstream devices tripping prior to downstream Devices, causing a lot of down time in your facility?

The following are typical areas of concern:

- Circuit breaker trip settings
- Under/over-rated or improperly sized fuses and breakers
- Under-rated Motor Control Center (MCC) buss bracing
- Under/over-rated Switchgear, Switchboards, and Panelboards

We aim to improve your coordination such that only the protective device closest to the fault trips, Isolating the faulted circuit from the system and allowing the rest of your facility to remain in operation.

Let us give you a quote to perform a detailed study that will include a full report, the required labels, required PPE, the correct overcurrent device settings and suggestions on how to decrease the available arc flash energy present at your facility.

ICE Corporation
www.icecorporation.net | (541) 929-5997

It's your life, protect it!
Let us help you make your facility a safer place.

