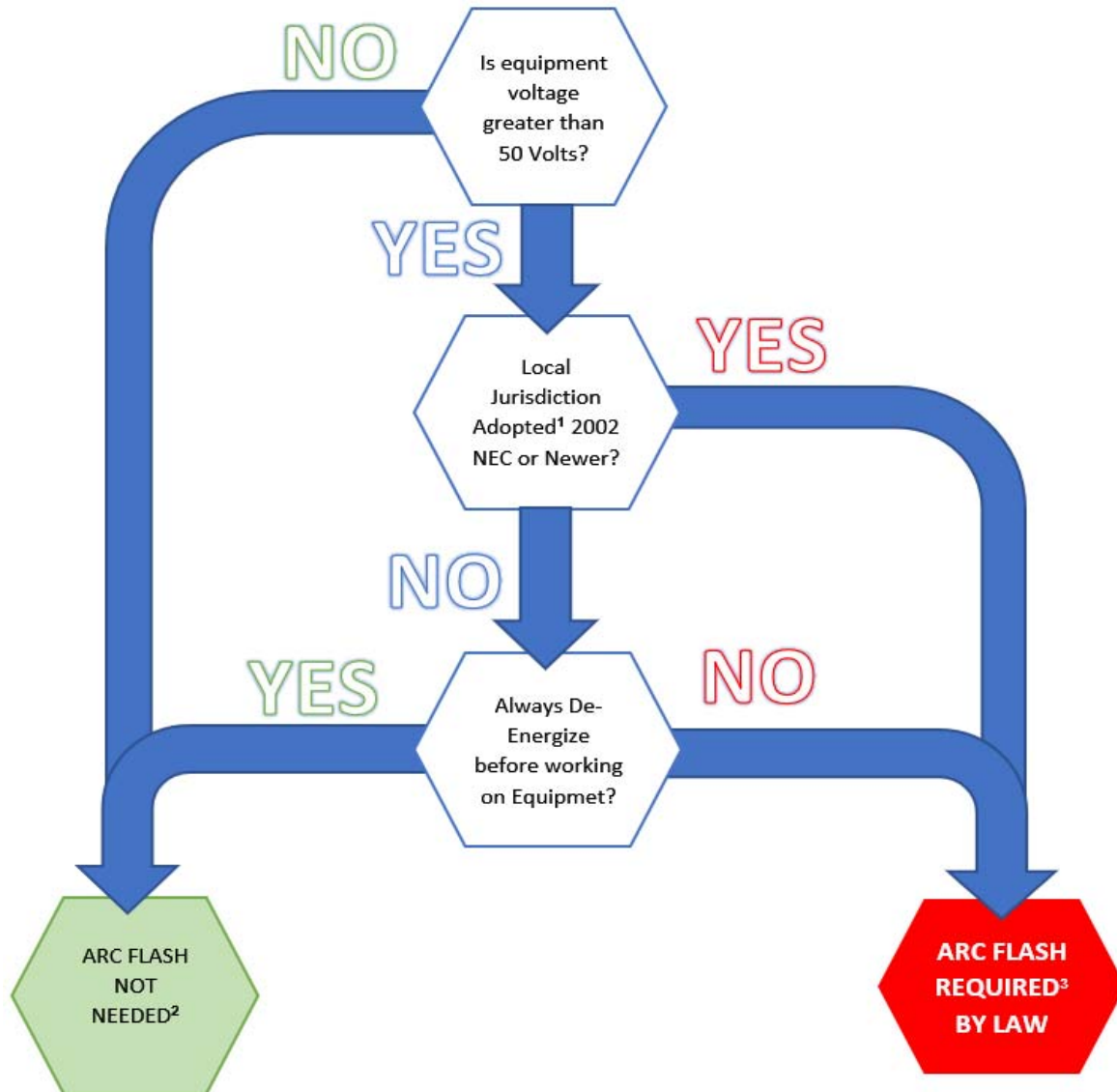


# CARROLL ENGINEERS

713-817-4780 † 7DK.COM

PROFESSIONAL ENGINEERING LICENSED IN THE STATE OF TEXAS F-15617

**When, not if, an electrical ARC FLASH accident occurs involving your staff or contractors, will you be found OSHA complaint?**



<sup>1</sup> Since the **2002** edition of the National Electrical Code (NEC), there has been the requirement, in Section 110.16 Arc-Flash Hazard Warning to install arc flash warning labels on industrial control panels, motor control centers, panelboards, and switchboards that are likely to require examination, adjustment

<sup>2</sup> OSHA has penalized some facilities over \$400k for not complying with electrical safety regulations. However, the higher cost is the third party lawsuits against employers that do not adequately identify electrical hazards, train employees or provide proper PPE. Recently, building and business owners have also personally been found negligent in some electrical accidents.

<sup>3</sup> Is Arc Flash labeling really required by OSHA? YES! OSHA mandates that employers and building owners identify electrical hazards, warn workers about them, and provide proper protective equipment and training related to working around the hazards. OSHA provides employers and building owners with "what" to do but does not define "how." The role of NFPA 70E®, IEEE, and NEC is to guide "how" to implement OSHA regulations properly. For example, each electrical panel must be marked with an ANSI z535 approved Arc Flash Warning Label. OSHA requires employers to protect workers from arc flash related injuries wherever the hazard for arc flash exists. Hazard Assessment – 1910.132 (D)(1), Equipment Marking – 1910.303 (E).

## What is the Price for an Arc Flash Assessment w/ Labels?

For Buildings with Five or fewer Power Panels:

Calculation by Texas Licensed Professional Engineer + Labels Applied = \$950 Base Price

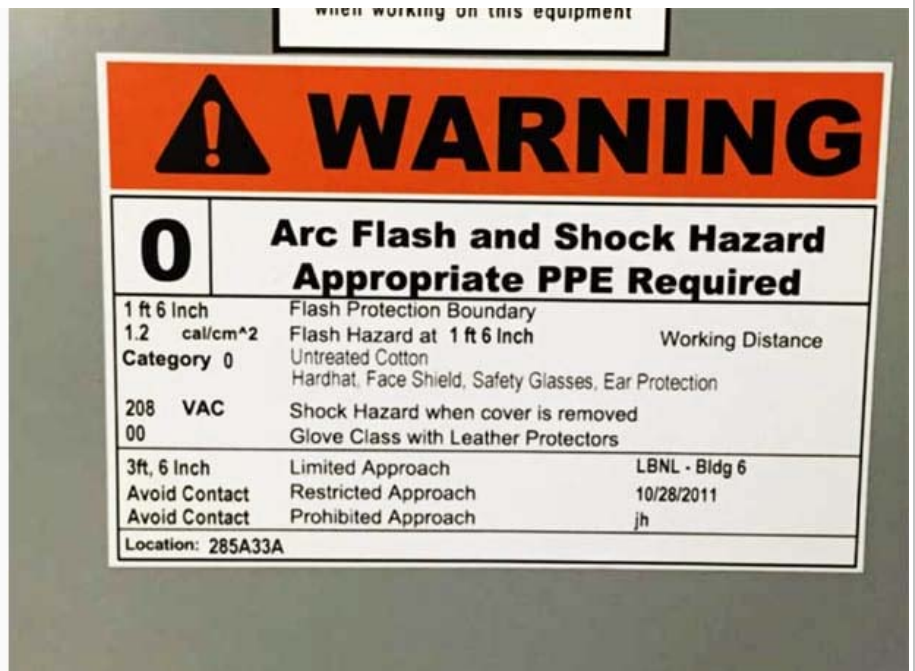
Amp Meter Check and Calc to see how much you can Expand = \$350 Adder

## What is an Arc Flash?

*“An Arc Flash is a phenomenon where a flashover of electric current leaves its intended path and travels through the air.”*

The results are violent, akin to a piece of dynamite blowing up in your face. Serious injury and even death can occur. It is **devastating**.

**DOES YOUR ELECTRICAL EQUIPMENT LOOK LIKE THIS?  
IF NOT, YOU ARE MISSING OSHA REQUIRED LABELING:**



**FREE:** CONTACT US TODAY TO SCHEDULE A **FREE ASSESSMENT** TO DETERMINE IF YOU ARE ARC FLASH COMPLIANT TODAY FOR HOUSTON AND SURROUNDING AREAS.

Don't lose out to HUGE OSHA fines and court costs, but most importantly, keep your **business family SAFE!**

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