

Arc Flash Safety Check Up

Establish a safer, more compliant program



To help you establish a safer, more compliant electrical safety program, Brady's electrical engineers target and evaluate key areas covered under the NFPA 70E Standard. Take a look at the following questions to determine your progress and tasks needed to help mitigate electrical risks and continuously improve your current state.

Have you had an arc flash risk assessment?

Yes

Under NFPA 70E, Arc Flash Risk Assessments must be:

- Reviewed periodically at minimum every 5 year.
- Updated when a major modification or renovation takes place.

No

NFPA 70E Requires that an Arc Flash Risk Assessment be performed and shall:

- Determine if an arc flash hazard exists. If it does exist, the risk assessment will determine appropriate safe-related work practices, arc flash boundary and PPE to be used within the arc flash boundary.
- The results of the risk assessment must also be documented.

Have your employees received arc flash training within the last three years?

Yes

NFPA 70E 110.6(A)(5) requires that all training must be documented, proving proficiency is no longer required.

NFPA 70E 110.6(A)(3) requires employees to be retrained and given additional training in electrical safety-related work practices every three years.

Employees must be retrained before performing any tasks that are performed less often than once per year. And Article 110.6(A)(3) requires that an employee must be retrained or receive additional training if:

1. The supervision or annual inspections indicate the employee is not complying with the safety-related work practices.
2. New technology, new types of equipment, or changes in procedures necessitate the use of safety-related work practices different from those that the employee would normally use.
3. The employee needs to review tasks that are performed less often than once per year.
4. The employee needs to review safety-related work practices not normally used by the employee during regular job duties.
5. The employees job duties change.

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Now, grab your current arc flash label and check out the comprehensive label guide on the back to help you comply with NFPA 70E.

**CORRESPONDING
WORKING DISTANCE**

**INCIDENT
ENERGY**

**ARC FLASH
BOUNDARY**

**PERSONAL
PROTECTIVE
EQUIPMENT (PPE)**

**SHOCK HAZARD
APPROACH BOUNDARIES**

VOLTAGE



Arc Flash and Shock Hazard Appropriate PPE Required

FLASH PROTECTION		SHOCK PROTECTION	
Incident Energy at:	18 in	Shock Risk When Cover is Removed	480 VAC
Min. Arc Rating:	0.45 cal/cm^2	Limited Approach	42 in
Arc Flash Boundary:	10 in	Restricted Approach	12 in
Glove Class:	00	Bus Name: PNL_P-5 Prot Dev: 100/3 BS-18 LAB PNL	
PPE: Shirt & pants or coverall, Nonmelting (ASTM F1506) or Untreated Fiber) + hard hat + safety glasses + hearing protection			

The label cannot be handwritten.
*Per the National Electric Code (NEC)
aka NFPA 70 - Article 110.21(B)(2)*

When looking at your best practice label you should see:

- Incident energy and corresponding working distance
- Arc flash and shock hazard boundaries
- Device name
- Level of PPE
- Nominal system voltage

Did you know?

Anything above 50V that could be worked on while energized resulting in exposure to electrical hazards requires an arc flash label.

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