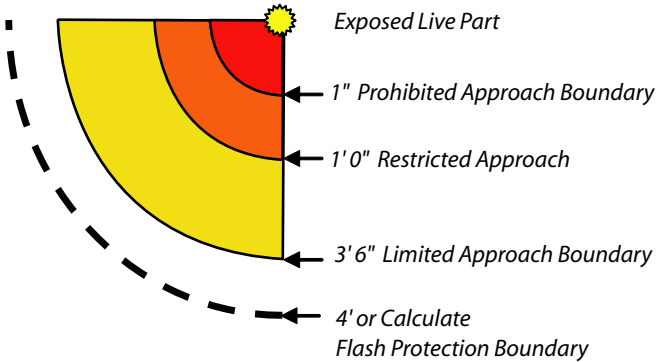


Electric Safety Cheat Sheet based on NFPA 70E®

Always refer to NFPA 70E®, OSHA and your local or state regulations for details.

Example Approach Boundaries System Voltage 301-750 Volts



Prohibited Approach Boundary - Work within this boundary is considered the same as making contact with the live part.

Restricted Approach Boundary - Increased risk of shock for persons working in close proximity of the live part, and; increased risk due to electrical arc over-combined with inadvertent movement.

Limited Approach Boundary - A shock hazard exists within this boundary; keep unqualified persons out!

Flash Protection Boundary - A person could receive a second degree burn if within this boundary and an arc-flash occurs. Wear

Minimum Clothing Requirements for Electrical Workers in facilities with large & diverse electrical systems

ATPV = Arc Thermal Protection Value

★ Flame Resistant (FR) long-sleeve shirt (min ATPV of 4) worn over an untreated cotton T-shirt and FR Pants (min ATPV of 8), or

★ FR Coveralls (min ATPV of 4) worn over an untreated cotton T-shirt and natural fibre pants

Selecting PPE based on NFPA 70E®

1. Determine the Hazard/Risk Category Classification for the job based on Table 130.7(C)(9)(a).
2. Use Table 130.7(C)(10), Protective Clothing & Personnel Protective Equipment (PPE) Matrix to select the level of PPE you need.

Sample Example of Hazard Risk Category Classification

Job to be Done on Energized Equipment	Hazard/Risk Category	V-Rated Gloves?	V-Rated Tools?
Operate 240V CB with doors closed	0	NO	NO
Voltage testing inside MCC Bucket	2*	YES	YES

2* double-layer switching hood & hearing protection also required

