

TECHNICAL ANNEX

EQUIPMENT LABELING

The following information outlines the labeling convention as a result of the arc flash analysis.

1 Warning

Designation between a "Warning" or "Dangers" classification. (Danger listed in red.)

2 Bus

Equipment identification for label, schematics, time current curves, work permits, etc...

3 Flash Risk Boundary

Distance from a prospective arc source within which a person could receive a second degree burn if an electrical arc flash were to occur.

4 System Voltage

Voltage at location of label.

5 Minimum Arc Rating

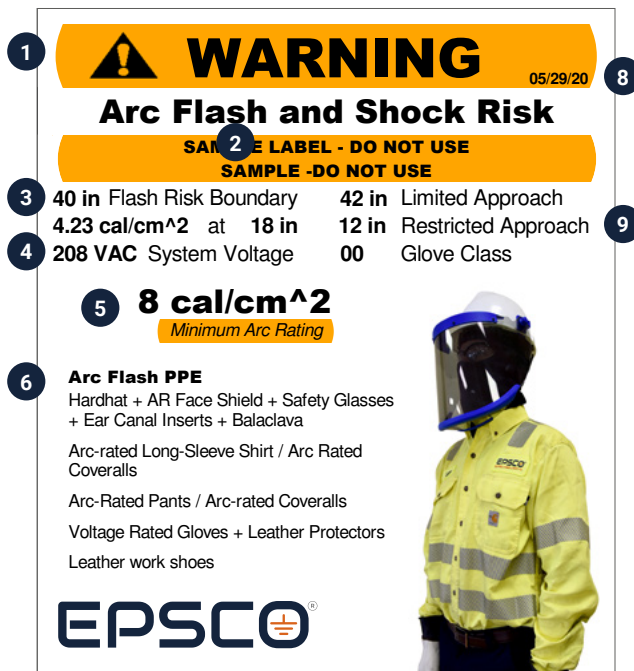
Minimum incident energy rating of clothing to work on or near circuit.

6 Arc Flash PPE List

Outlines required minimum arc rated PPE for safe work at this specific location.

7 Cal/cm²

Calculated incident energy at working distance for specific location.



8 Date

This is the date when the labels are printed. Generally used for 5-year review info.

9 Restrictive Approach

Increased likelihood of electric shock, due to electrical arc-over combined with inadvertent movement.

10 Protective Device

Last device to trip in the event of a fault.

11 Limited Approach

Distance from an exposed energized electrical conductor or circuit part within which a shock hazard exists.

12 Glove Class

Glove to be worn when working with shock approach boundaries.

13 PPE Image

Pictorial representation of arc flash PPE recommended per location.

