SKM Power*Tools
ELECTRICAL ENGINEERING SOFTWARE

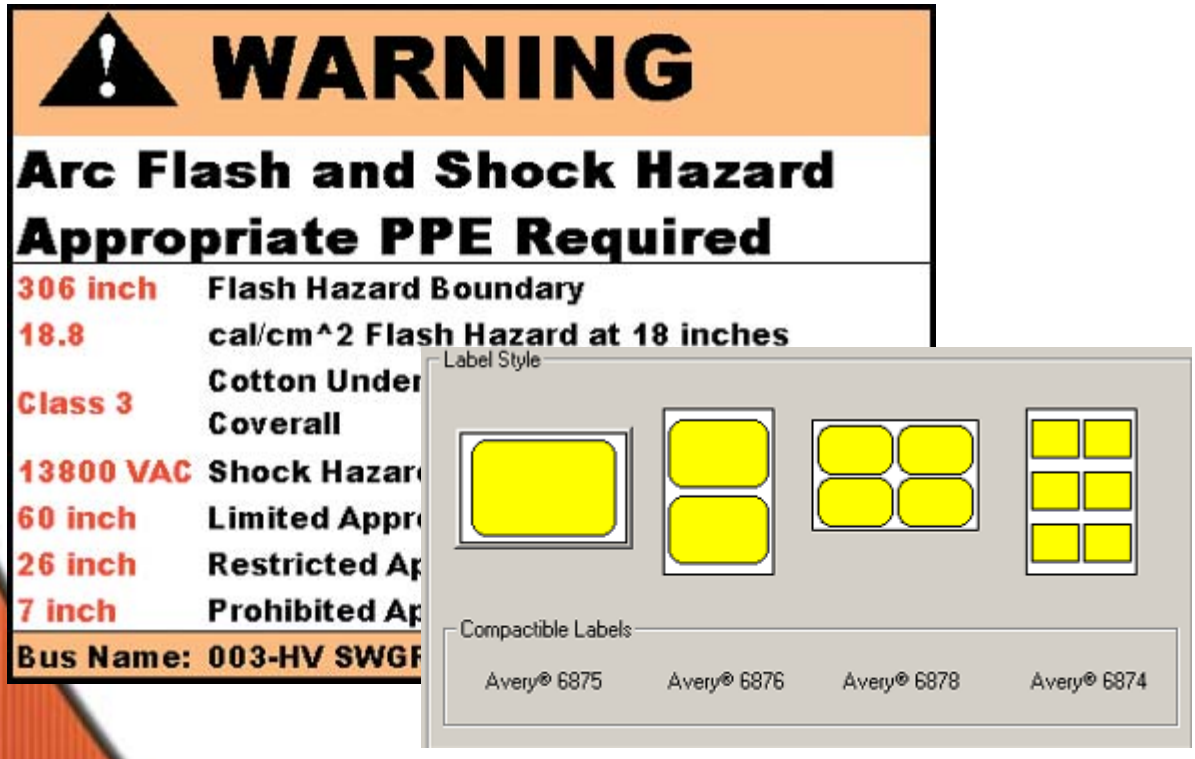
PTW Arc Flash Evaluation

Arc Flash Evaluation Studies

PTW Arc Flash Evaluation calculates the incident energy and arc flash boundary for each location in a power system. Arc Flash saves time by automatically determining trip times from the protective device settings and arcing fault current values. Incident energy and arc flash boundaries are calculated following the NFPA 70E and IEEE 1584 standards. Clothing requirements are specified from a user-defined clothing library. Clearing times can be automatically reduced based on current-limiting capabilities.

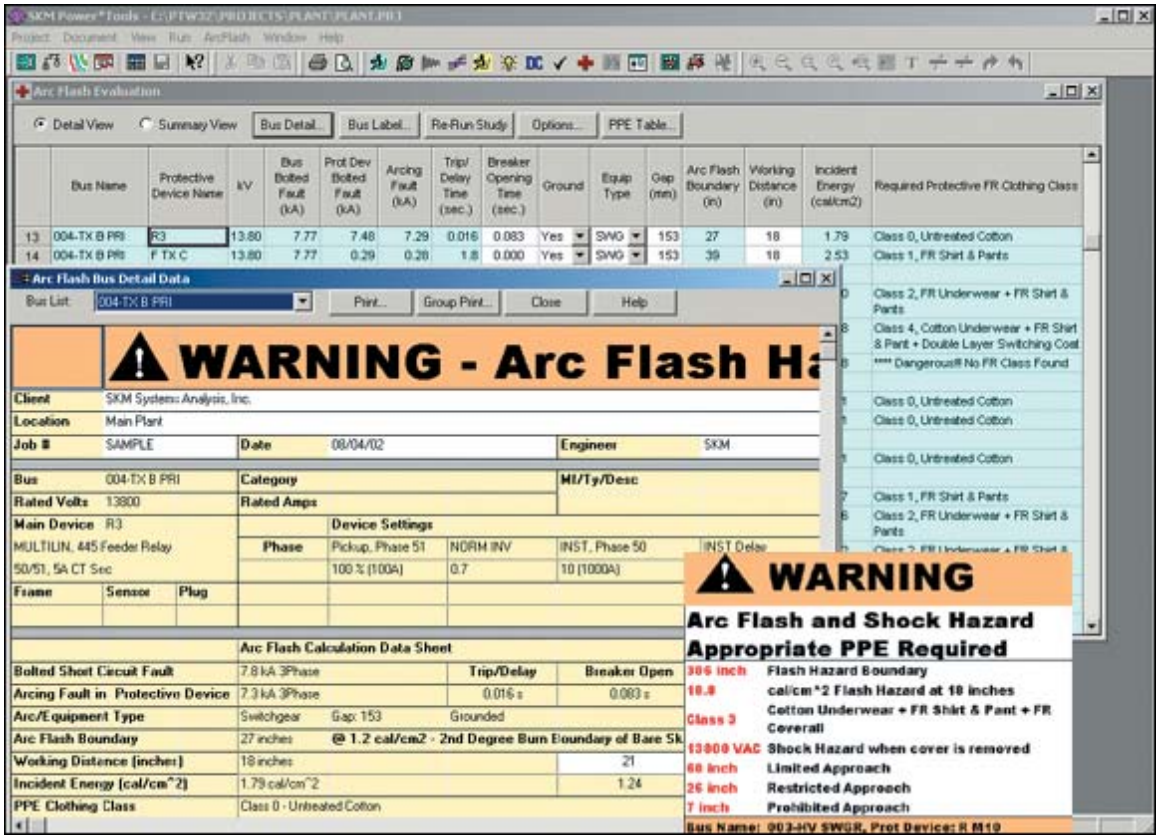
Benefits

- Design safer power systems while insuring compliance with NEC 110.16, OSHA, NFPA 70E and IEEE 1584 standards.
- Save time with the fully integrated Short Circuit, Over-Current Coordination, Equipment Evaluation and Arc Flash Evaluation modules working together with libraries of clothing levels, protective devices and bus ratings.
- Provide a safer working environment by specifying the proper level of clothing. Wearing inadequate clothing is dangerous for obvious reasons, but wearing too much clothing is dangerous due to limited mobility and visibility.
- Evaluate alternatives quickly and easily to establish an optimal design.



Interface Options

- Simple to use tabular interface for system design, PPE selection, and reviewing study results.
- Summary and detail view enables complete bus by bus examination of study data.
- Pre-populated library of protective clothing allows user-defined PPE additions.
- Bus and branch fault values are automatically read from the fault study, and protective device settings and trip times are read from the CAPTOR TCC drawings.
- Arc Flash labels are automatically produced to comply with NEC 110.16 labeling requirement. The labels can be printed to several standard size label sheets.



Study Options

- User may select option to follow the NFPA 70E or IEEE 1584 standard.
- User may select English or Metric units to report study results.
- Fuses may be modeled as Current Limiting or Standard.
- Induction motors can be included, excluded, or included for a user-defined time.

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