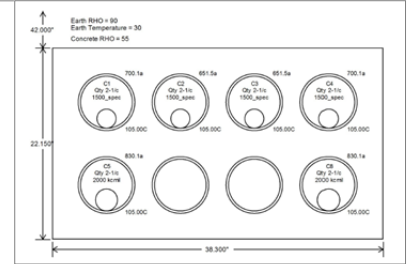


WARNING

ARC FLASH & SHOCK HAZARD PRESENT
APPROPRIATE PPE REQUIRED

Arc Flash Boundary	138.71 inches
Incident Energy in cal/cm ²	17.75
Working Distance	36 inches
Shock Hazard Exposure 34.5 kV	
Insulating Glove Class	4
Shock Hazard	when covers removed
Limited Approach Boundary	72 inches
Restricted Approach Boundary	31 inches
Equipment:	SECT-1

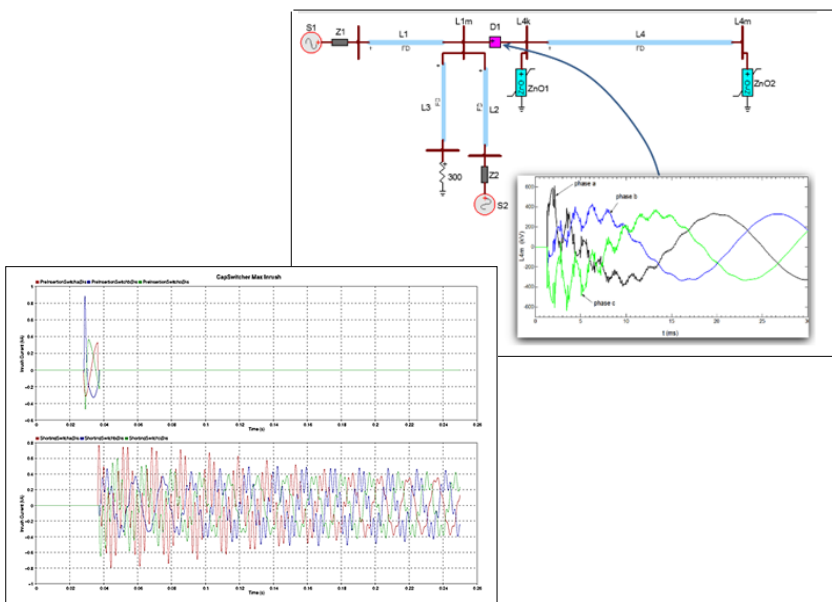


POWER QUALITY STUDIES - INDUSTRIAL

The System Planning and Power Quality Division provides our clients with operationally feasible and economically sound solutions to their planning and system validation needs. We offer a full range of power quality studies evaluating the technical and economic feasibility of industrial systems. Our studies ensure the facility meets safety and reliability standards by updating power system models, as well as assessing real and reactive power flow, voltage flicker, fault current, harmonic currents, equipment ratings and arc flash hazard ratings.

POWER QUALITY STUDIES AREAS OF SPECIALTY

- Power System model updates (ETAP & SKM)
- Arc Flash Hazard Assessments
- Short Circuit Studies
- Harmonic Studies
- Voltage Flicker Studies
- Load Flow / Reactive Power Studies
- Transient Recovery Voltage Studies
- Transient Overvoltage Studies
- Underground Cable Design & Ampacity



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