



Third Party Field Labeling of Unlisted Equipment

What is field labeling?

Field labeling is a safety review required by the National Electric Code. It focuses primarily on electrical safety, but other important aspects of machine and operational safety are also addressed in the performance of an evaluation.

Field evaluation and labeling follows the criteria defined in national and international standards:

- NFPA70: The US National Electrical Code
- UL 508A: Safety of Electric Control Panels
- NFPA79: Safety of Industrial Machinery
- ANSI Z535.4: Product Safety Signs And Labels
- OSHA [1910.399](#): All Electrical Equipment Must Be Approved

Why is field labeling typically requested?

Cities require Field Labeling to protect their inhabitants from disasters resulting from unsafe electrical equipment. Fire Marshals and other local authorities enforce the NEC that states, "Conductors of electricity" must be approved, identified, listed, or labeled.

LBIES provides the label required by this National Standard. City inspectors trust LBIES labels to show that equipment is safe and can be put into commission.

Situations where field labels can be helpful/required locally:

- It satisfies local and/or state electrical and building inspector's requirements.
- It protects your company, employees, and building from potential disasters.
- It aids in the defense of liability actions against your company.

- It provides an independent evaluation to ensure your equipment's integrity and compliance to all specified requirements.

What will be evaluated for a field label?

To ensure the electrical safety integrity of equipment, field evaluations focus on a number of key areas of construction, including the following:

- Electrical testing
- Wiring
- Over-Current Protection
- Lockout/Tagout
- Labeling
- EMO Tests
- Other Hazards

Important Note: When searching for an **approved FEB** (Field Evaluation Body) in your area always look for a city-provided list of companies that are qualified for this work. An example of such a list for Santa Clara, CA follows below:

<https://www.santaclaraca.gov/home/showdocument?id=65946>

3rd Party Field Evaluation Bodies must follow the procedures in NFPA 790 and NFPA 791 and complete an application to the City of Santa Clara in accordance with Annex B of NFPA 790. This policy is consistent with the ICC Tri-Chapter Uniform Code Committee, which is intended to enhance regional consistency in application and enforcement of the building code.

In accordance with International Accreditation Service (IAS) policy and NFPA 791, the FEB should NOT apply markings to the inspected equipment until their report has been approved by the City of Santa Clara. When the initial report notes items requiring further corrections, the FEB shall confirm such corrections have been made and they meet compliance with all the regulations. The final report shall be returned to the City and prior to arranging for building department inspection.

City of Santa Clara Approved 3rd Party Field Evaluation Bodies (FEBs)

Abstraction Engineering Inc.
6590 Felter Road
San Jose, CA 95132
Phone: 408-258-3282
www.abstractionengineering.com
eugeneheil@abstractionengineering.com

ASC Engineering Service
3150 Hilltop Mall Road
Suite 44
Richmond, CA 94806
Phone: 510 223 7891

ITC Engineering Services
P.O. Box 543
Sunol, CA 94586
Phone: 925-862-2944
FAX: 925-862-9013
www.itcemc.com

Lewis Bass International Engineering Services
142 N. Milpitas Boulevard, Suite 236
Milpitas, CA 95035
Phone: 408-942-8000
www.lewisbass.com

Have a need for a 3rd party field label at your facility?

Whether you are moving equipment to a new facility or have purchased new equipment that happens to be unlisted...Lewis Bass Can Do That!

LBIES is known for being cost effective and minimizing turnaround time in completing field label inspections. Reports to the city are handled by us so you can get equipment up and running fast.

Please call our Customer Service Department at 408-942-8000 for expedited service requests or email us at customersupport@lewisbass.com for scheduling or additional information on this service.