



Energized Electrical Work Permit

(Incident Energy Method) (Label on Equipment)

Date _____ Time Started _____ This Permit Expires _____

Job Name and # _____

Exact Location of work _____

Shock Hazard (voltage) _____

Boundaries (unless otherwise Calculated):

Flash Protection Boundary: (calculated on label) _____

Incident Energy in cal/cm2: (calculated on label) _____

Shock Protection Boundaries

Nominal System Voltage 50V-150V 151V-750V 751V-15kV

Limited Approach Boundary: 3'6" 3'6" 5'

Restricted Approach Boundary: Avoid Contact 1' 2'2"

Description of work to be done: _____

Justification: Why the circuit cannot be de-energized? It will shut down life support systems
 It will shut down emergency alarm systems It will shut down hazardous ventilation equipment
 Performing testing and diagnostics Continuous operation that cannot be interrupted
 Other (explain) _____

PPE Required (Check)

- ≤ 1.2cal/cm2-**
 - 100% Natural fiber long sleeve shirt and long pants
 - Heavy leather gloves (not needed if wearing rubber insulating gloves)
 - Rubber insulating gloves with leather protectors (if needed)
 - Leather Work Shoes/Hard Hat/Hearing Protection/Safety Glasses
 - Face shield for projectile protection --- (as needed)

- ≥ 1.2 to 12 cal/cm2**

Arc-rated clothing and equipment with an arc rating equal to or greater than determined incident energy.

 - Arc rated Long sleeve shirt, long pants or arc rated coverall
 - Arc Rated Face Shield and Balaclava (sock hood) or Arc Flash Suit Hood
 - Heavy leather gloves (not needed if wearing rubber insulating gloves)
 - Rubber insulating gloves with leather protectors (if needed)
 - Leather Work Shoes/Hard Hat/Hearing Protection/Safety Glasses

- >12 cal/cm2**

Arc-rated clothing and equipment with an arc rating equal to or greater than determined incident energy.

 - Arc rated Long sleeve shirt, long pants or arc rated coverall
 - Arc Flash Suit Hood
 - Arc Rated gloves (not needed if wearing rubber insulating gloves)
 - Rubber insulating gloves with leather protectors (if needed)
 - Leather Work Shoes/Hard Hat/Hearing Protection/Safety Glasses

Authorization: Sign if below described work can be done safely?

Customer Representative/Title

Date

Edwin L. Heim Company Qualified Person

Date

Note: Completed permit must be returned to the Safety Director and kept on file.



Job Briefing & Planning Checklist

Qualified Personnel: _____

Foreman or Supervisor: _____

Identify & Review (Briefing may or may not include the following topics)

- Review Description of work to be done
- Define the hazards of the work to be done
- Voltage levels
- Shock Hazard (what is the likelihood of contacting energized conductors)
- Flash Protection Boundary (Heim rule is 8' unless calculated)
- Number of "Qualified" people needed to perform the work safely
- Any unusual work conditions
- Source of power related to the work to be done. Identify ALL sources
- What if? (discuss any areas of concern)

Planning

- Can the equipment be de-energized? Steps?
- Designated personnel have the required skill, knowledge experience and safety training to perform the work safely
- Is the testing equipment in good working order? Tested on a known source before and after testing de-energized circuit?
- Special Precautions _____

Actions to Take

- Notify affected personnel of the work to be done (communicate)
- Review and follow the Lock Out Tag Out Procedure
- Tools and equipment for the job
- Use the correct PPE & Arc Rated Clothing properly
- Install barriers to restrict "Unqualified" workers

Emergency Procedures

- Emergency Number: _____
- How is the equipment shut off in an emergency? _____
- Where is the nearest fire extinguisher and type? _____
- Who is trained in First Aid & CPR? _____
- Other Precautions: _____

Job Briefing Completed by: _____

Signature

Follow all Electrical Safety-Related Work Practices!