

 <b>WARNING</b>	
<b>Arc Flash and Shock Risk Appropriate PPE Required</b>	
<b>ARC FLASH RISK PROTECTION</b>	<b>MINIMUM PPE REQUIRED</b>
Incident Energy: 0.18 cal/cm <sup>2</sup>	• Non-melting or untreated natural fiber (cotton/wool/rayon/silk > 4.5 oz/sq yd), long-sleeve shirt, pants.
Working Distance: 18 in	
Arc Flash Boundary: 6 in	
<b>208 VAC Shock Risk When Cover is Removed</b>	• Safety Glasses or Goggles + Ear Canal Inserts
<b>Shock Protection Boundaries:</b>	
Limited Approach: 42 in	• Leather Gloves
Restricted Approach: 12 in	• N/A
Equipment ID: PP-1	Fed From: PD-0021
Date of Analysis: 10/05/15	By: Jade Stone Engineering

One of the three standard equipment labels that we offer our clients

**Our Philosophy** *The principals at JSE built the company on the philosophy of on-site engineering: an involved, pro-active approach to project design that results in high levels of client satisfaction.*

• **In-depth field investigation** starting at the conceptual design phase. JSE engineers verify existing conditions on-site before beginning a design. We find that the extra time in the field reduces surprises during construction as well as contractor RFIs. JSE strives to keep the contractors moving and the project on schedule to the maximum extent possible.

• **Continued contact with the owner's project representative, and, if possible, the trade contractors.** The JSE team has an outstanding reputation and good working relationships with contractors. JSE engineers are known as team players who help to deliver practical design solutions- both over the phone and in the field.

• **House calls.** JSE engineers take contractor RFIs seriously and can be counted on to be on site whenever necessary to troubleshoot any issues that arise during construction.

*In addition to our MEP services, we are also happy to offer*

## [ARC FLASH STUDIES]

*WE'RE HERE TO HELP!*

**Is your facility being required by code to have an **ARC FLASH STUDY** conducted?**

We worked with Clarkson University (Potsdam, NY) St. Lawrence University (Canton, NY), and eleven of Graymont's industrial facilities throughout Northern New York on short circuit, coordination, and arc flash hazard assessments. Each client receives a copy of the report complete with facility recommendations and an updated single line diagram.

**Does the equipment in your facility require **LABELING**?**

JSE offers equipment labels with three (3) different ARC Flash sticker standards. Information includes incident energy, system voltage, ARC Flash boundaries, working distance/ ARC Flash PPE category, and required ARC rating of clothing,

**How about FACILITY RECOMMENDATIONS FOR THE FUTURE?**

Each report includes steps that facility managers can use to minimize the severity of Arc flashes.

**Could you use help DEVELOPING AN ARC FLASH SAFETY TRAINING PROGRAM?**

We work with Chazen Engineering to design ARC Flash and OSHA safety training programs that fit the needs of each client and their facilities.

**We invite you to get in touch, tell us about your needs, and let us work with you to find a solution that would best serve your facility.**

## Giving Back

*JSE's principals and engineers care about their communities. JSE makes it a point to donate time and professional expertise each year to local civic organizations .*