



ELECTRICAL SAFETY CONSULTING, LLC

ARC FLASH STUDY
PROFESSIONALS
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Your ESC Arc Flash Risk Assessment

Includes:

- Performed by a Registered Electrical Engineer
- A comprehensive Arc Flash Study
- Full on-site survey of existing electrical distribution system
- Coordination evaluation of existing electrical distribution system
- Single line drawing of your electrical distribution system
- Full written report with digital copies
- Labeling of your equipment
- Training of your employees (Optional)



**ARC FLASH AND SHOCK RISKS
APPROPRIATE PPE REQUIRED**

| | | | |
|-----------------------|--------------------------|----------------------|---------|
| Equipment ID: | TRANSFER CONVEYOR C2 | | |
| Protection ID: | MCC1-MCP2 | | |
| ARC FLASH RISK | | SHOCK RISK | |
| Incident Energy: | 3.33 cal/cm ² | Nominal Voltage: | 480 VAC |
| Arc Flash Boundary: | 34 in | Limited Approach: | 42 in |
| Working Distance: | 18 in | Restricted Approach: | 12 in |
| Site Specific PPE: | HRC1 | Glove Class: | 00 |
| Date of Analysis: | 05/29/2020 | Fault Current: | 1.30 kA |

Typical Orange "WARNING" Label



**ARC FLASH AND SHOCK RISKS
ENERGIZED WORK PROHIBITED!**

| | | | |
|-----------------------|---------------------------|----------------------|----------|
| Equipment ID: | SWITCHBOARD "MSB" | | |
| Protection ID: | MSB MAIN BREAKER | | |
| ARC FLASH RISK | | SHOCK RISK | |
| Incident Energy: | 140.8 cal/cm ² | Nominal Voltage: | 480 VAC |
| Arc Flash Boundary: | 355 in | Limited Approach: | 42 in |
| Working Distance: | 18 in | Restricted Approach: | 12 in |
| Site Specific PPE: | N/A | Glove Class: | 00 |
| Date of Analysis: | 05/29/2020 | Fault Current: | 55.60 kA |

Typical Red "DANGER" Label