

ENGINEERING AND DESIGN

EFFECTIVE SOLUTIONS, EMPOWERING SUCCESS



A Diverse Group of Resources

ESCO Group is a versatile company that provides electrical construction, electrical engineering, plant automation, arc flash/incident energy analysis, and electrical safety training services to a wide variety of commercial and industrial clients, primarily within the food & beverage, manufacturing, agriculture, and municipal markets. By empowering people, providing exceptional services, and delivering on promises, ESCO is known for responsible and reliable support and excellent, custom-made solutions.

Our versatility comes from our business units: ESCO Power & Safety, ESCO Automation, and ESCO Elect. With our diverse group of resources, we are able to offer more services to our clients, giving them a competitive advantage.

We prioritize understanding the project scope
We deliver cost-effective solutions

Engineering and Design at ESCC

Delivering innovation and reliability, our engineering and electrical design team is dedicated to executing projects with precision for both industrial and commercial markets. With a focus on cutting-edge technology and meticulous attention to detail, we ensure seamless integration and optimal performance, meeting the unique needs and regulations of each project. From intricate industrial systems to dynamic commercial environments, we provide tailored solutions that exceed expectations and drive success.

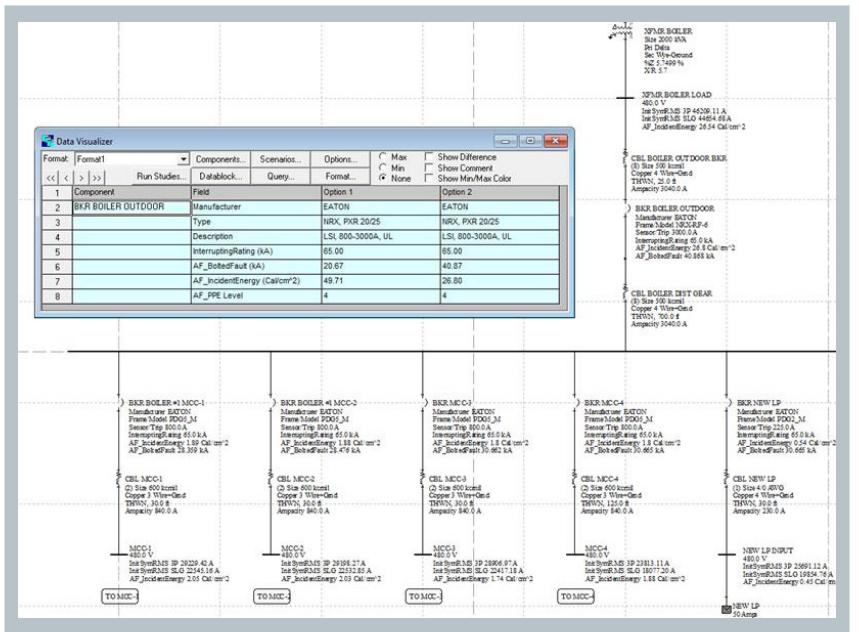
The ESCO Advantage

- Licensed Professional Engineers
 - National Licensees
 - Licensed in Iowa
- Electrical Designers that are UL 508A and UL 698A Certified.
- Specialize in both Control Panel design and MV Power Distribution Design
- 3D design capabilities.

Our Specialties

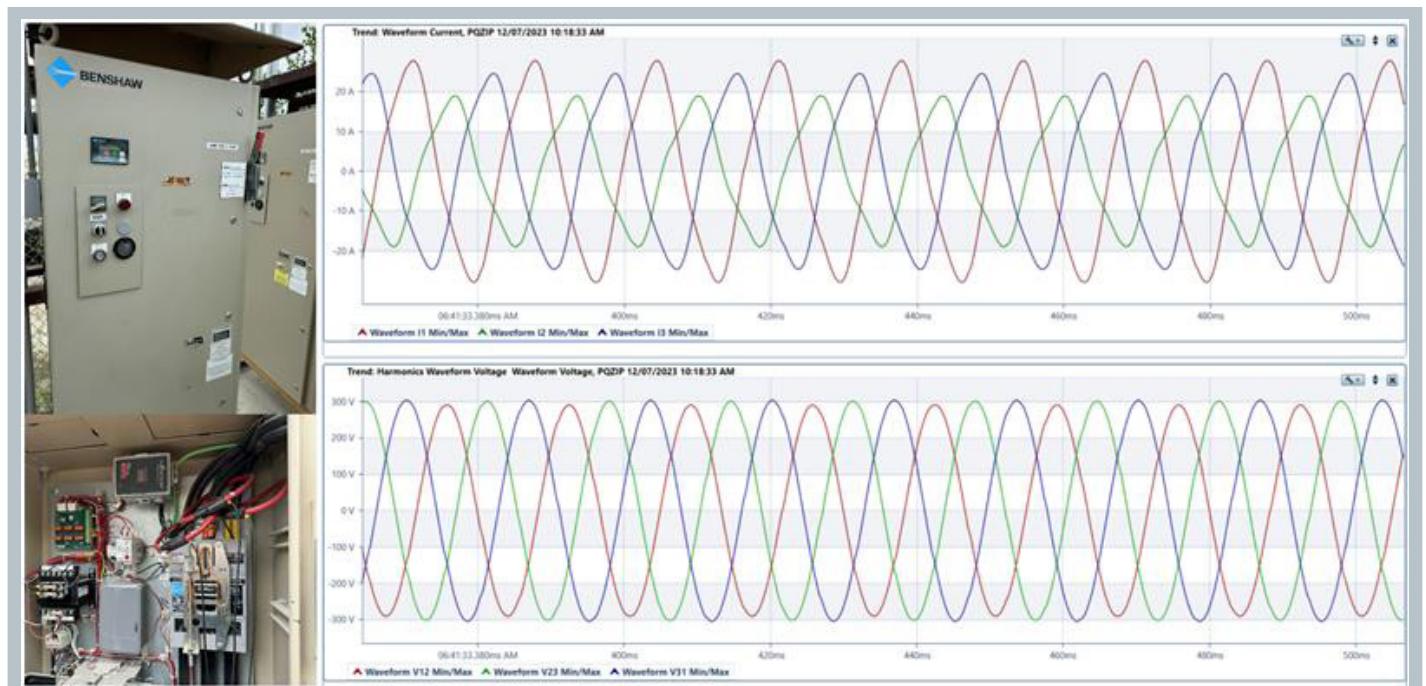
Electrical Engineering

- Design-Bid-Build Documents
- Arc Flash Hazard Mitigation/Reduction
- Turnkey Design IFC Packages (PE Stamped)
- Arc Flash Engineers in house
- Power Quality Issue Identification/Correction
- Perform load studies
- Selective Coordination using Engineering Techniques



A software tool for comparing incident energy levels between two design methodologies applied to the same electrical system.

Analysis of power meter waveforms to characterize soft start performance in electrical systems.

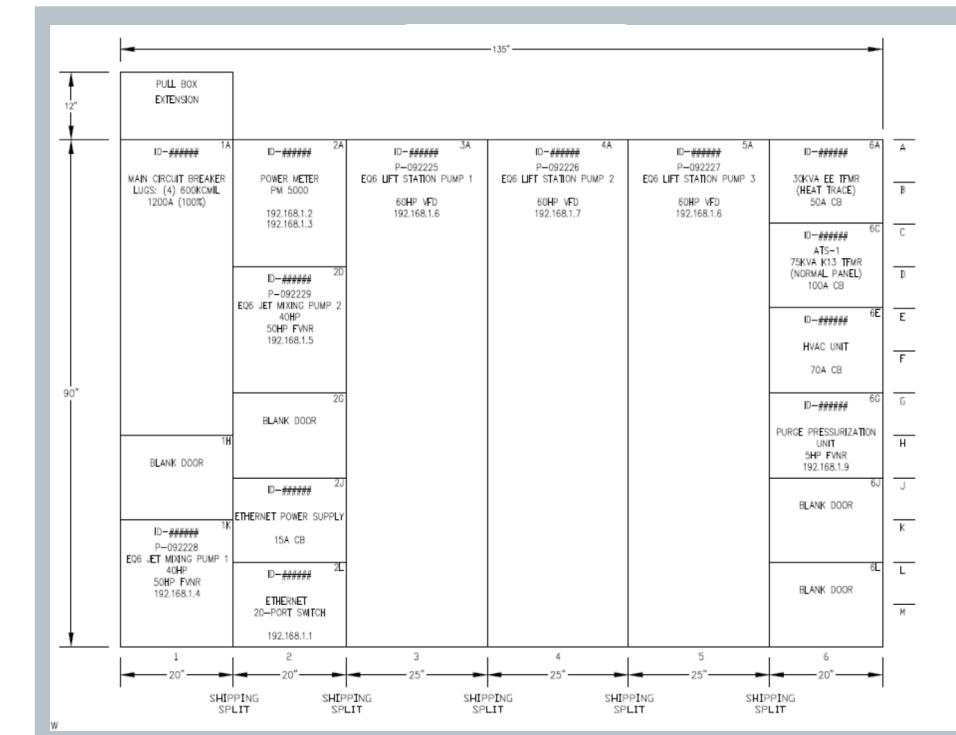


—|—SOLUTIONS—|—

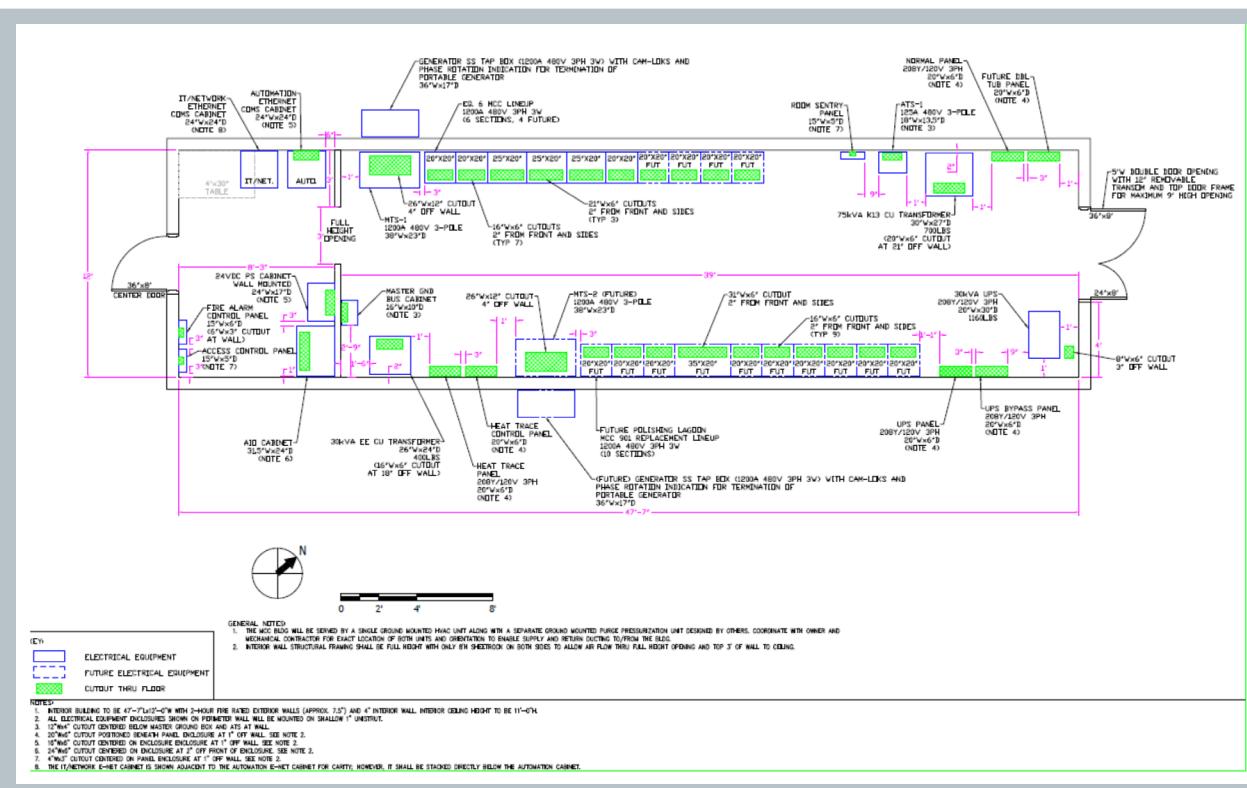
MCC ELEVATION

Electrical Design

- Power Distribution One-Line Drawing Development (Facility and Project Specific)
- MCC Room Layout Drawings
- MCC Elevation Drawings, MCC One-Line Drawings
- Facility Maps (Grounding, Lighting, Receptacle, Data, etc)
- 3D Models



MCC ROOM LAYOUT



Contact



Nikki Frake
Manager, Electrical Engineering
(319) 270-0600
Marion, Iowa Office
NikkiFrake@theESCOGroup.com



Randy Hummel
Manager, Arc Flash Hazard Analysis
(319) 440-7426
Marion, Iowa Office
RandyHummel@theESCOGroup.com



Mike Sampson
Manager, Field Services
(319) 213-4838
Marion, Iowa Office
MikeSampson@theESCOGroup.com



Jason Wolf, CSP, CESCP
Manager, Safety Training
(319) 538-7892
Marion, Iowa Office
JasonWolf@theESCOGroup.com

Corporate Headquarters
3450 Third Street
P.O. Box 708
Marion, Iowa 52302
(319) 377-6655 phone

Des Moines, Iowa
(515) 263-8482 phone

Denver, Colorado
(303) 734-7144 phone

Omaha, Nebraska
(402) 979-8375 phone

St. Louis, Missouri
(636) 389-2199 phone

Minneapolis, Minnesota
(507) 403-2631 phone