



BEYOND
THE
PRODUCT

⚡ **POWER HOUR** ⚡

Power Distribution
in Critical Facilities



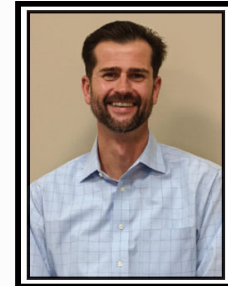
Agenda

- Introductions
- Housekeeping Items
- Q & A
- Learning More...

Featuring



*George Samson
Sr. Territory Director*



*Robert Leake
Director of Marketing*



- **Critical Infrastructure Experts**
 - ✓ Uninterruptible Power
 - ✓ Thermal / Chiller Systems
 - ✓ Power Distribution
 - ✓ Power Controls
 - ✓ Busway
 - ✓ DCIM
- **Engineering Expertise**
- **Turnkey Solutions**
- **Maintenance & Emergency Svc**

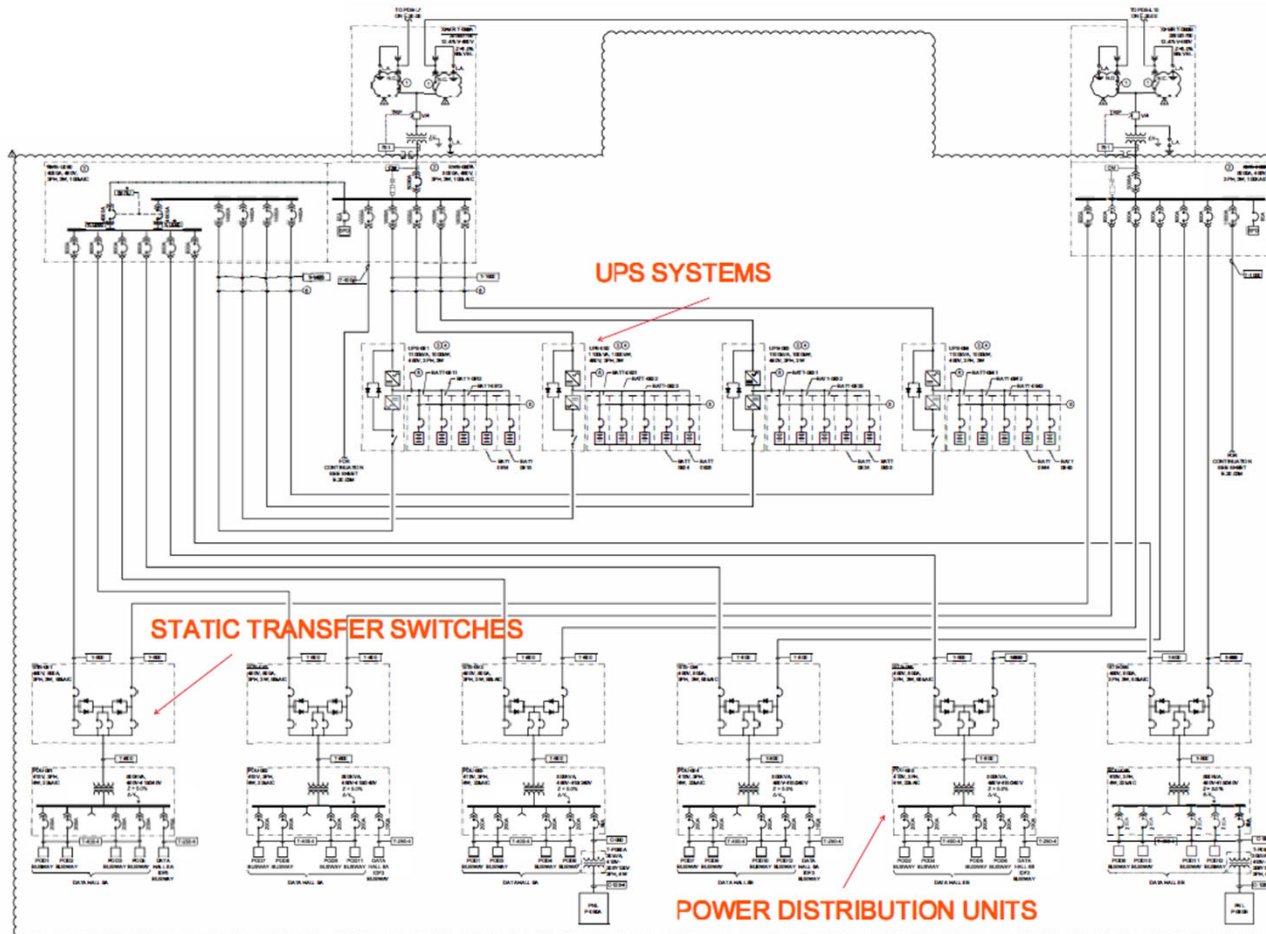
Simplified Power Distribution



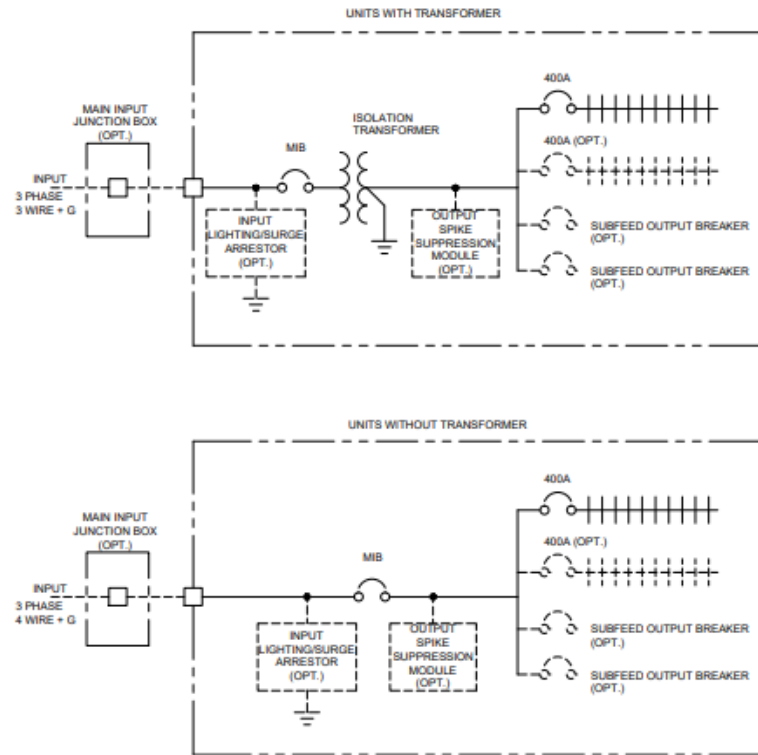


BEYOND
THE
PRODUCT

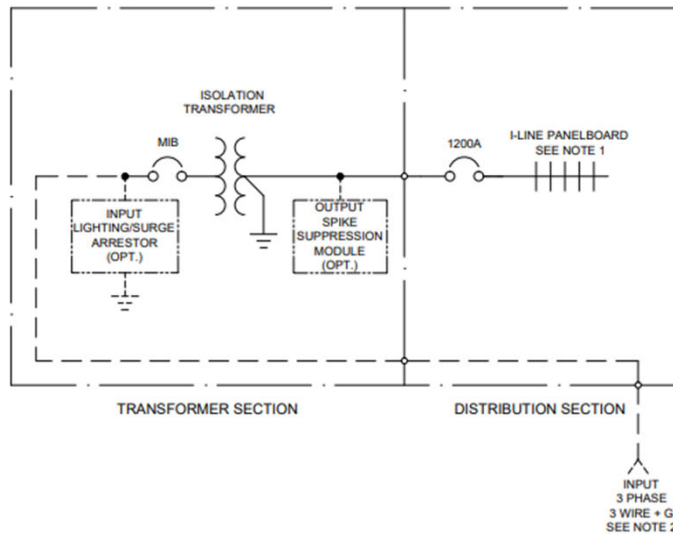
Power Distribution – Scheme – Major Corporation



Power Distribution – Transformer / No Transformer



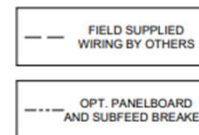
Large Power Distribution



SUGGESTED MINIMUM INPUT WIRE SIZE DATA

kVA	INPUT VOLTAGE	FULL LOAD AMPS	MIB TRIP AMPS	SUGGESTED FEEDER WIRE SIZE
150	480	185	250	250 kcmil
	600	148	200	#3/0 AWG
200	480	247	350	(2) #2/0 AWG
	600	197	250	250 kcmil
225	480	278	350	(2) #2/0 AWG
	600	222	300	350 kcmil
300	380	469	600	(2) 350 kcmil
	400	446	600	(2) 350 kcmil
	415	430	600	(2) 350 kcmil
	480	372	500	(2) 250 kcmil
	600	297	400	(2) #3/0 AWG

MIB		
INTERRUPTING RATING	380-480V	600V
STANDARD	65 kA	25 kA
HIGH	100 kA	50 kA

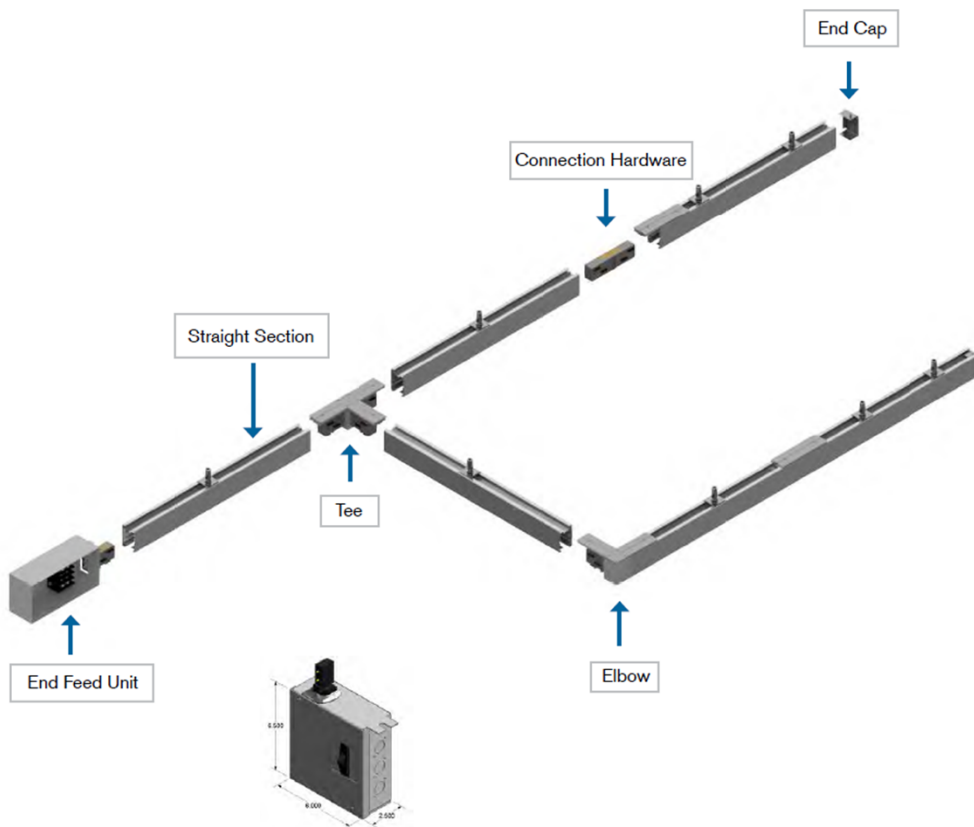


- NOTES:
1. A MAXIMUM OF ELEVEN (11) 250A FRAME OR EIGHT (8) 400A LA FRAME OR SIX (6) 600A LI FRAME OUTPUT BREAKERS CAN BE INSTALLED IN A I-LINE PANELBOARD.
 2. INPUT IS THROUGH THE DISTRIBUTION SECTION TO THE TRANSFORMER SECTION. INPUT CABLES CAN BE EITHER THROUGH TOP OR BOTTOM OF THE DISTRIBUTION SECTION.

Dynamic Nature of the IT Space



SYSTEM LAYOUT DRAWING





2N Dual Feed Power Busway Systems - Example



Power to the Racks





Q & A

Thank You for Attending

www.DVLnet.com