



# **EXELON POWER SOLUTIONS INC. COMPANY PROFILE**

# About Us



EXELON POWER SOLUTIONS, INC. specializes in switchgear manufacturing and panel building.

We provide services to the :

- Power Generation and Distribution
- Telecommunication
- Industrial & Commercial Industries

EXELON understands that the need for a safe and reliable power supply solutions are paramount.

So we emphasize providing exceptional quality and uncompromised safety at a competitive price point.

Finally, we pride ourselves on excellent customer orientation, so your required specifications, budget and project deadlines are our main concern.



# WHO WE ARE

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EXELON also provides custom metal fabrication services, including engineering and product development capabilities.

We have specialized in manufacturing custom and standard IT racks.

Today, the company is a go-to solutions partner for customers.

We have also sister companies that compliments with our products: Metallfit, Inc. (metal manufacturing company) and Datashield OEM Solutions (data center solutions).



# Production Capabilities

The following is our updated equipment list:

Machine	Quantity
CNC Water Jet	1
CNC Turret Punching (20 tons)	3
CNC Press Brake (125 tons x 3 meters)	4
NC Shearing	2
Welding machine	9
PEM – Clinching	1
Batch Type Powder Coating Line	1
PLC Control Bus Bar Cutting, Punching & Bending	1
Label Printer	1
CNC Engraving Machine	1





# Fabrication Facility

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CNC Turret Punching



CNC Press Break



Water Jet Machine



Powder Coating Line



Engraving Machine



Finished goods

# Our Products

## Electrical Enclosures

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ENCLOSED CIRCUIT BREAKER



PANEL BOARDS



IP RATED CABINET



SWITCHGEARS



**We manufacture electrical panels and switchgears (up to 36kv)**

- NEMA / IP Rated
- Surface or Flush Mounting
- Galvanized, Stainless, Aluminum trims and boxes
- Standard and custom sizes
- Powder coated, , Custom colors
- Gasket between trims and boxes
- Hidden door hinges
- Special key locks and door handles
- High customization

# Our Products

## 36kv Medium Voltage Switchgears

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# Our Products

## Low Voltage Switchgears

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# Our Products

## Motor Control Centers

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# Our Products

## Automatic Transfer Switches

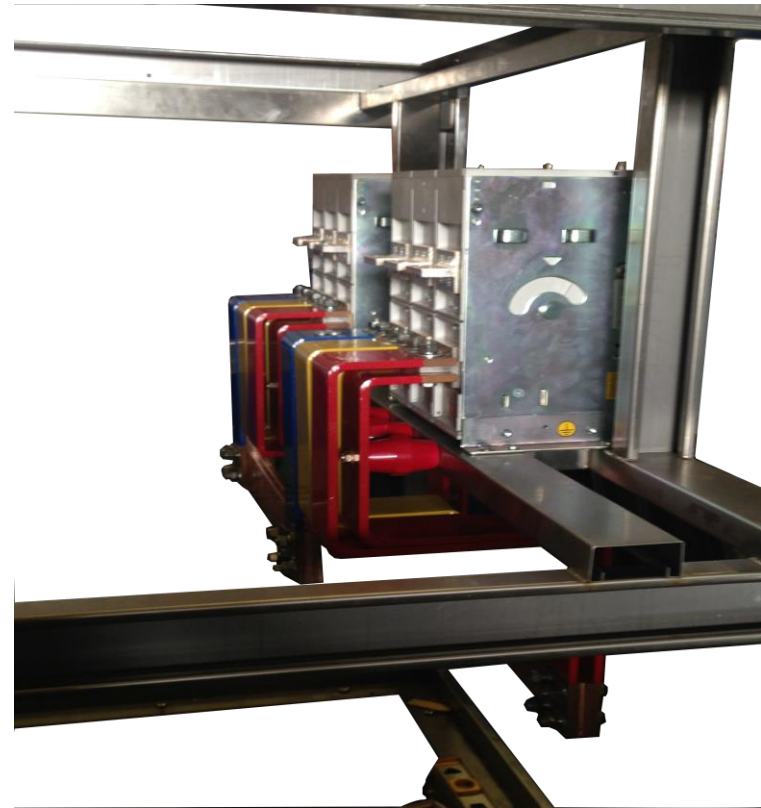
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# Our Products

## Generator Circuit Breaker

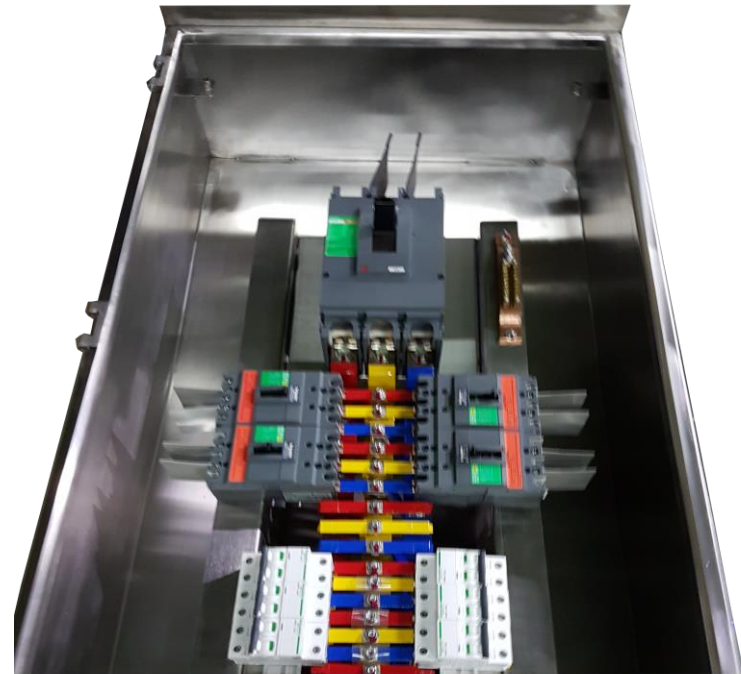
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# Our Products

## Panelboards

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# Our Products

## Enclosed Circuit Breakers

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# Our Products

## Cable & Ladders Trays

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**SOLID BOTTOM TYPE**



**LADDER TYPE**



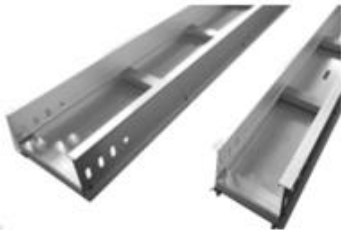
**PERFORATED TYPE**



**TROUGH TYPE**



**EXPANDED METAL TYPE**



**WIRE MESH**



### Material type:

- Black Iron (B.I.) Hot Rolled Sheets
- Galvanized Iron (G.I.) Sheets
- Aluminum Sheets
- Stainless Steel Sheets

### Sheet thickness:

- Ga# 18 (1.0mm – 1.2mm)
- Ga# 16 (1.3mm – 1.5mm)
- Ga# 148 (1.6mm – 2.0mm)
- Ga# 12 (2.1mm – 2.5mm)
- Ga# 11 (2.6mm – 3.0mm)
- Ga# 10 (3.1mm – 3.2mm)

### Finish:

- Powder coated, Pre-galvanized (ASTM-A525 G60), Hot Dipped Galvanized (HDGAF, ASTM-A123), Epoxy Paint

**Sizes:** Standard size, Custom size

# Our Other Products

## IT Data Cabinets

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### WALL MOUNTED DATA CABINETS

- Doors Perforated front and rear doors with swing handle
- Solid single piece side panels with cam locks
- Mounting rail, casters, cable manager,
- Top exhaust fan, cable entry knock-out hole
- Height: 6U-12U
- Width: 500mm – 650mm
- Depth: 1000mm – 1200mm
- Color: Black
- Packaging: Fully assembled



### FLOOR MOUNTED DATA CABINETS

- Doors Perforated front and rear doors with swing handle
- 2 Sets solid single piece side panels with cam locks
- Mounting rail, casters, cable manager
- Top exhaust fan, cable entry knock-out hole
- Height: 15U-24U
- Width: 500mm – 650mm
- Depth: 1000mm – 1200mm
- Color: Black
- Packaging: Fully assembled

# Our Products

## IT Data Cabinets

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### SERVER AND NETWORK CABINETS

- Doors: Perforated front and rear doors with swing handle
- Side Panels: Split side panels with cam locks
- Casters, (4) Mounting Rails, 16A Universal socket power strip
- Height: 42U – 48U
- Width: 600mm and 800mm
- Depth: 1000mm to 1200mm
- Color: Black
- Packaging: Fully assembled, Flat packaged
- Full customization



### ACCESSORIES AND HARDWARE KITS

- Tool-less blanking panels (1U, 2U, 3U, 4U, 5U)
- Heavy Duty Shelf, Adjustable Shelf,
- Telescopic Shelf, Support Rails
- Cable Manager with Hoops
- Cable Manager with Hooks
- Vertical PDU/Cable Management Rail 42U – 48U
- Vertical Cable Management Rail with Hoops 42U – 48U
- Document Wallet, Baying Kit, Caster Kit, Hardware Kit, Bolt-Down Kit
- Custom accessories



# Our Other Products

## IT Data Cabinets

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### **RACK POWER STRIP**

- Vertical mount (0U), Horizontal mount (1U)
- 8-way, 16-way, 24-way NEMA, IEC Sockets
- Hardwire with lugs, NEMA, IEC Input Plugs
- Color: Black
- Basic, Metered, Intelligent (Switched)
- Packaging: Fully assembled
- Full customization



### **STRUCTURED CABLING**

- Standard 19" EIA 2-Post, 4-Post rack
- Height: 12U-52U
- Material: Steel, Aluminum
- Bottom-up numbering
- Cable Manager, Rail Kit, Cable through, Shelve
- Tool-less blanking Panel, Caster bracket
- Patch Panels
- Cat5 and Cat6 Cables (Legrand)
- Full customization



# Our Products

## Data Center Products

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### INTEGRATED CABINETS

- Up to Six (6) Server or Network Racks
- Width: 600mm or 800mm
- Depth: 1500mm
- Height: 42U – 52U
- System Includes: Front and Rear Containment Doors, Power Manager Unit, 32A PDU, Emergency Fans, Rack Mounting Rail, Blanking Panels, 350mm Wide Cooling Rack/s
- 300mm Row Cooling Unit, 20KVA UPS, Battery Cabinets
- Rack Mountable Fire Suppression
- Environmental Monitoring Systems
- LED Lighting



### BATTERY RACKS AND CABINETS

- Free Standing Battery Rack, Battery Enclosures
- Easy Installation.
- One-tier, Multi-tier
- With or without casters
- Complete with cables, terminal lugs and boots.
- Battery breaker, battery charger
- VRLA Batteries
- Rectifiers
- Packaging: Flat Packaged, Fully assembled

# Why Exelon?

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## **ENGINEERING CAPABILITIES**

- Trained engineering team who are experienced in the design, manufacturing of electrical panel boards and to develop new product.
- Proficient in Inventor and AutoCAD

## **COMMITMENT TO CUSTOMER**

- Staff is passionate about working with the clients to develop a good working relationship to come up with reliable, safe and cost effective products.

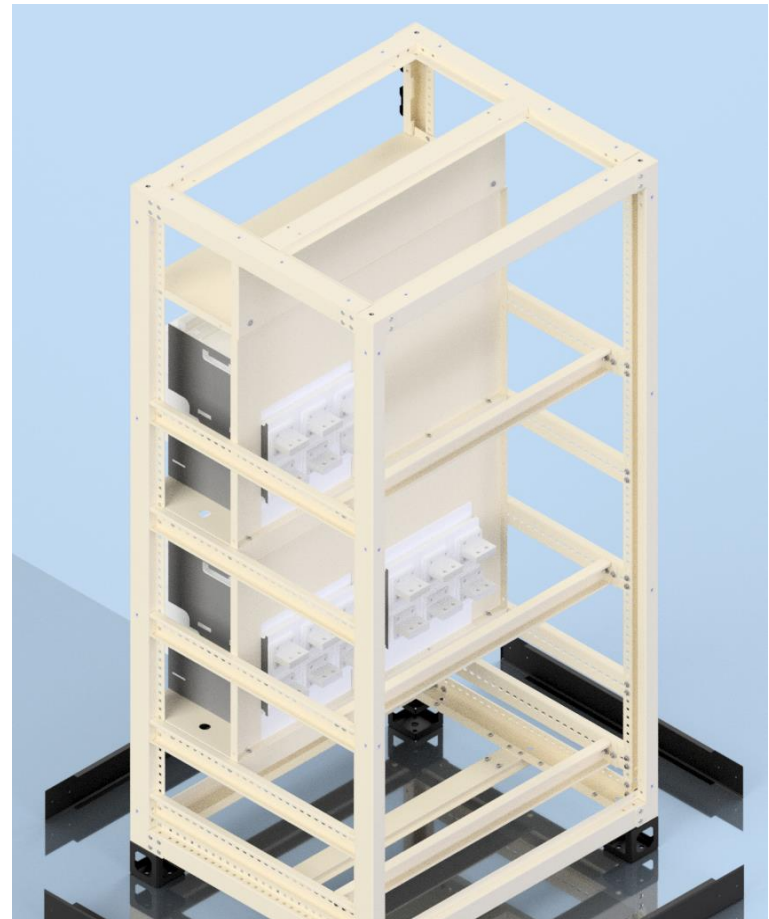
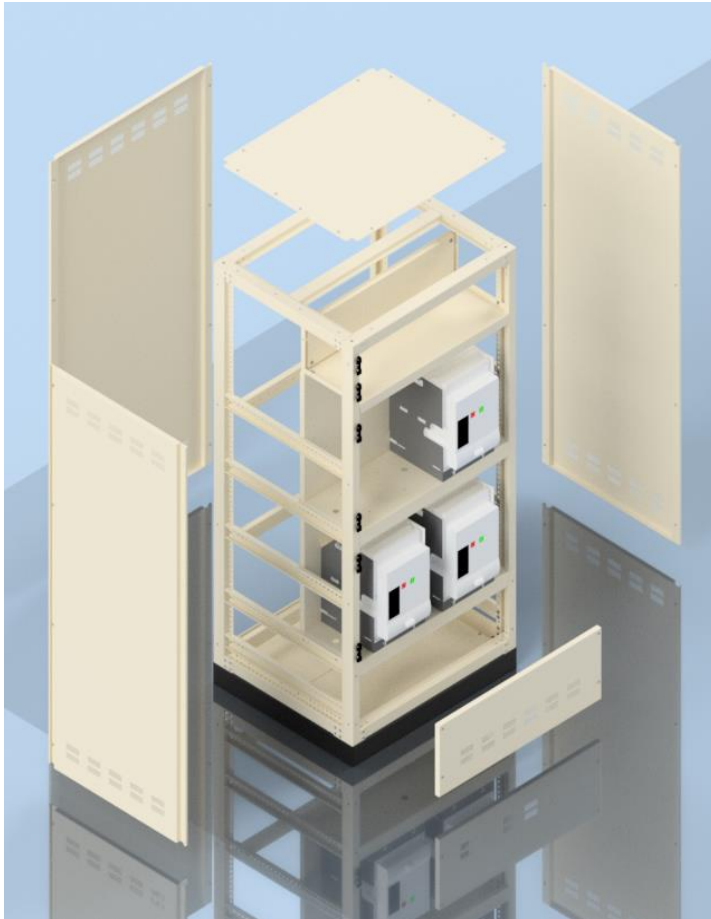
## **INVESTMENT IN QUALITY**

- Trains employees to employ best practices in safety and quality assurance



# Inventor Output

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# Sample Drawings

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## MEDIUM VOLTAGE SWITCHGEAR 34.5kV

PAGE	DESCRIPTION
1	TABLE OF CONTENT
2	TECHNICAL SPECIFICATION
3	SINGLE LINE DIAGRAM & LIST OF MAJOR COMPONENTS
4	PANEL LAYOUT
5	PANEL INNER LAYOUT AND BOTTOM VIEW w/ ANCHORING DETAIL

**REMARKS:**

☐ APPROVED

☐ APPROVED AS NOTED

☐ REDESIGNED/REBUILT

☐ DISAPPROVED

Client signature: \_\_\_\_\_

Date received: \_\_\_\_\_

OWNER	CUSTOMER	PROJECT	CONTENTS	REV. NO.	DATE	REV. HISTORY	DRAWN BY	APPROVED BY	SCALE	SHEET
<b>EXELON</b> POWER SOLUTIONS	Power Prime Energy Solutions Inc.	W0001200A, 34.5KV, 3POLE, 3SPN	TABLE OF CONTENT				A. DUBOIS	A. DUBOIS	AS	1

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## TECHNICAL SPECIFICATION

<p><b>PRODUCT NAME:</b> MEDIUM VOLTAGE SWITCHGEAR</p> <p><b>ELECTRICAL RATING:</b></p> <p><b>RATED VOLTAGE:</b> 34.5kV</p> <p><b>RATED CURRENT:</b> 1250A</p> <p><b>PHASE:</b> 3PH</p> <p><b>RATED SHORT CIRCUIT CURRENT:</b> 25kA/ 1s</p> <p><b>FREQUENCY:</b> 60Hz</p> <p><b>EXTENSION BUSBAR DIMENSION:</b> 2 x 3/8 inch x 2 inch</p>	<p><b>GROUND BUSBAR DIMENSION:</b> 3/8 inch x 1 inch</p> <p><b>DEGREE OF PROTECTION:</b> IP20, INDOOR</p> <p><b>CLASS OF PARTITION:</b> ENCLOSED</p> <p><b>ENCLOSURE COLOR:</b> RAL 7035</p> <p><b>ENCLOSURE DIMENSION (HxWxD):</b> 2400mm x 1200mm x 2500mm</p> <p><b>CHANNEL BASE(H):</b> 100mm</p> <p><b>CABLE ENTRY:</b> BOTTOM</p> <p><b>CABLE EXIT:</b> BOTTOM</p>	
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**REMARKS:**

☐ APPROVED

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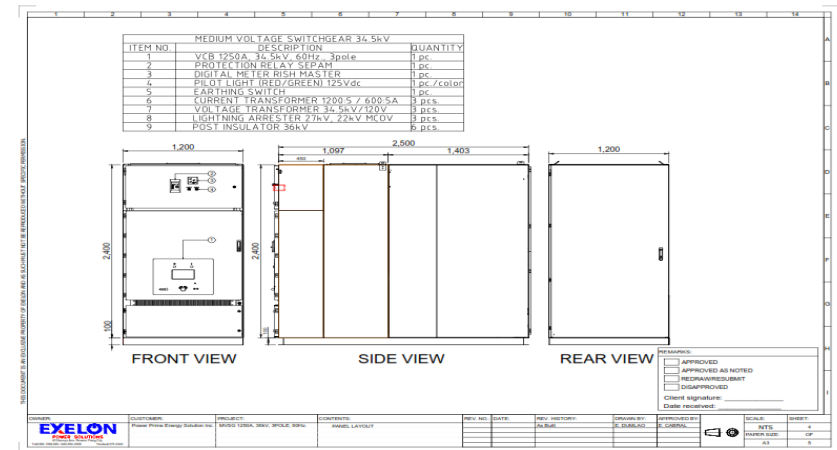
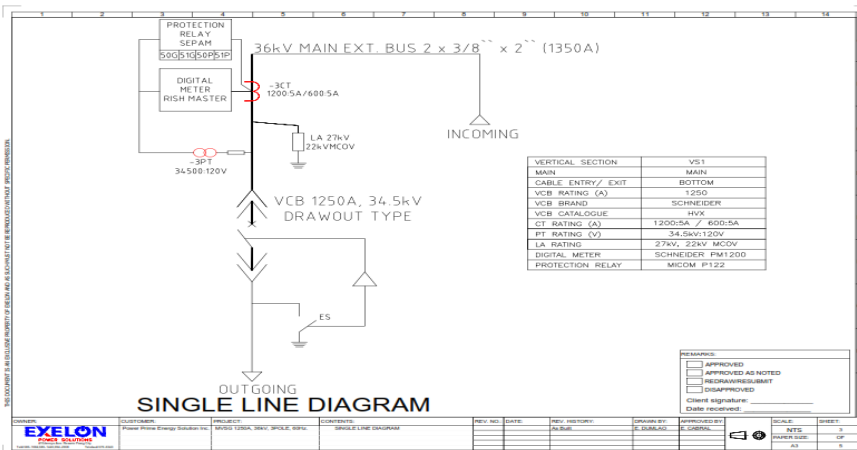
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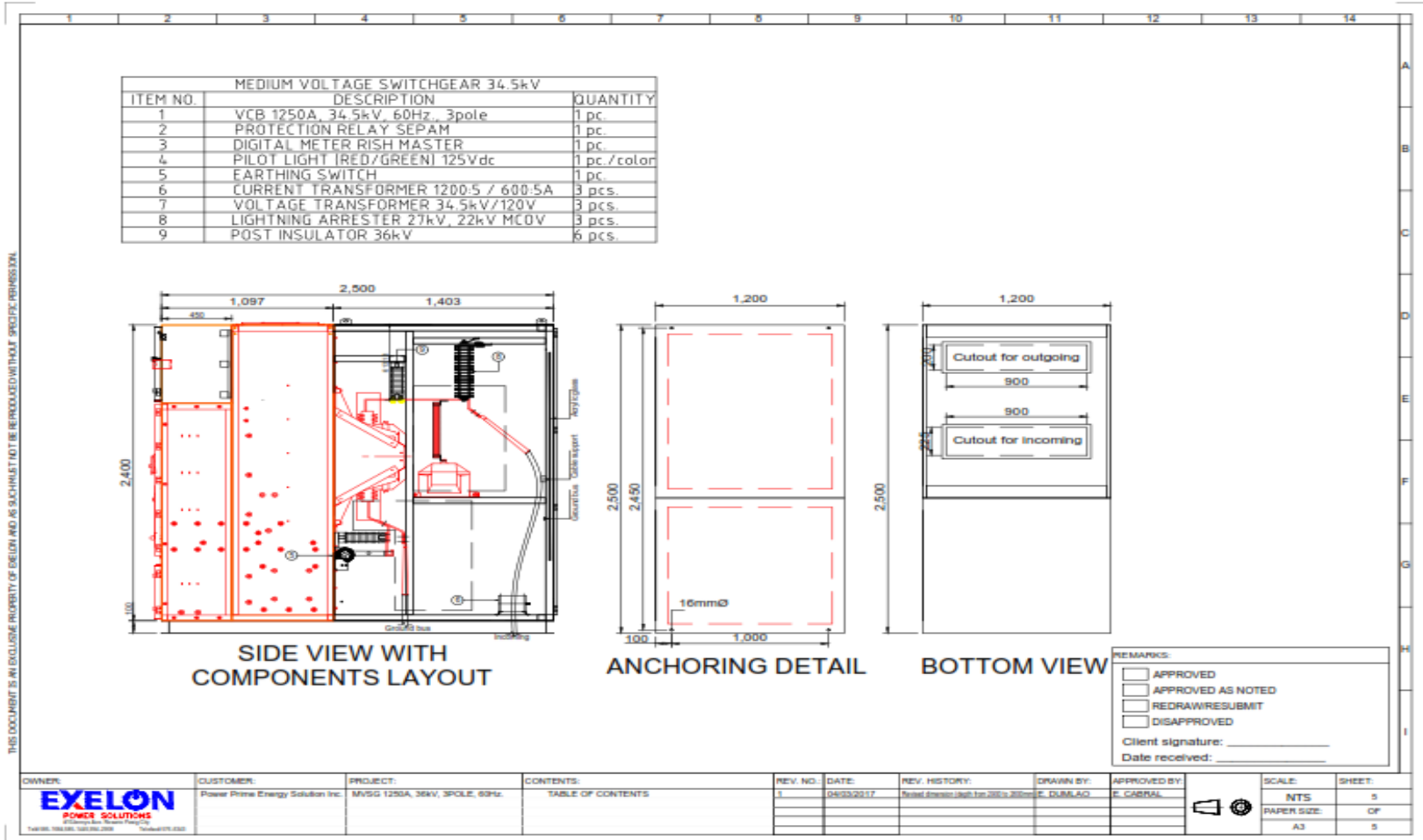
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<b>EXELON</b> POWER SOLUTIONS	Power Prime Energy Solutions Inc.	W0001200A, 34.5KV, 3POLE, 3SPN	TECHNICAL SPECIFICATION				A. DUBOIS	A. DUBOIS	AS	2



# Sample Drawing



# Our Clients

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# Contact Us

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**THANK YOU**