



**REXEL NorthEast Projects Group**

**Paul Blasbalg**

**401 368-7000**

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**Summary Bill of Material:**

**1 – Study for Pre-Purchase Equipment ONLY as listed below**

**1 – Switchboard**

**1 – WBM Panelboard with MCB and Utility CT Compartment**

**4 – Distribution Panelboards**

**Standard Height Equipment**

**Standard Warrantee Included. See Notes for Extended Warranty Pricing**

**Notes / Clarifications / Exceptions:**

- **Quote is for this Bill of Material Only**
- **Study included – See details listed in bill of Material. Does NOT include future Downstream Equipment**
- **Switchboard and Panelboards include Electronic Circuit Breakers Digital Metering Equipment.**
- **STANDARD Height Equipment - Maximum Shipping Section is 91 ½” Tall x 36” Wide x 36” Depth**
  - **If Reduced Height Equipment is required Price will be affected**
- **Standard Warrantee Quoted. Additional 3 Years available at additional cost of 5%**
- **Any changes to Bill of Material will affect pricing.**
- **No programing or integration of Meters included.**
- **Integration of Meters into Owners BMS System and Setting of Electronic C/B's is by Others**
- **Be advised that Equipment Shipping Schedules have been affected by current world events. If delivery requirements are critical to project, realize that while all efforts will be made to ship in a timely fashion it is possible that project shipments may be negatively affected now or in the future.**
- **Additional notes follow detailed Bill of Material, below.**

**No Fire Pump Controller Included**

**No ATS' Included**

**No Generators Included**

**No Transformers included**



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Item No.	Qty	Product	Description
	1	EESS Services	EESS Short Circuit and Coordination Studies: Arc Flash Hazard Analysis, Arc Flash Labels - Standard

\*\*\*See Approval Drawings for Clarifications and Exceptions\*\*\*  
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**Designation** Study for Pre Purchase Equipment ONLY

Qty	List of Materials
1	ESS Study-BidManager
1	2 Weeks Lead Time for Data Request Submittal
1	4-6 Weeks Lead Time for Study Completion
1	Quoted by Bid Manager
1	Arc Flash study
1	Arc Flash Labels - Standard

Item No.	Qty	Product	Description
	1	Switchboards	Pow-R-Line Xpert Switchboard, Front Access/ Front and Rear Align, Type 1, 480Y/277V 3-Phase 4-Wire, 3000 Copper, Minimum Interrupting Rating: 42kA, Bus Bracing Rating: 65kA, Depth: 36 In

**Catalog No** SCANHNENF1B1A4  
**Designation** MSB-LL

**Structure**      **1**    **3000 Amp CU Bussed Incoming Pull Section**  
 12 Inch Pull Box  
 Vertical Isol. Barrier (Service Entrance)

**Structure**      **2**    **3000 Amp CU Main Structure**  
**Compartment 1 - Metering And Surge Protective Device (SPD) 2000 Amp Customer Metering - PXM2260, CTs, With Display**  
 SPD Series 200kA SPD, Standard w/ Fusible Disconnect  
**Compartment 2 - Breaker 3000A 3P NRX-RF Brkr [Fixed-Manual], 65 kAIC**  
 PXR20 LSIG/A Trip Unit

**Structure**      **3**    **3000 Amp CU Main Structure**  
 Vertical Isol. Barrier (Service Entrance)  
 Horizontal Isol. Barrier (Service Entrance)  
**Compartment 1 - Utility 3000A Utility Metering - Eversource**

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Structure

- 4 **3000 Amp CU Distribution Structure**
  - Compartment 1 - Breaker PD23SPACE Breaker Space**
  - Compartment 2 - Breaker PD23SPACE Breaker Space**
  - Compartment 3 - Breaker PD23SPACE Breaker Space**
  - Compartment 4 - Breaker PD23SPACE Breaker Space**
  - Compartment 5 - Breaker 70A, 3P PDG23M Breaker [225A Frame]**
    - Mechanical (1) #14-1/0
    - PXR20 LSI Trip Unit
    - Trip Unit Amps 100A, Sensor 100A
  - Compartment 6 - Breaker 25A, 3P PDG23M Breaker [225A Frame]**
    - Mechanical (1) #14-1/0
    - Thermal Mag Trip - Standard
  - Compartment 7 - Breaker 70A, 3P PDG23M Breaker [225A Frame]**
    - Mechanical (1) #14-1/0
    - PXR20 LSI Trip Unit
    - Trip Unit Amps 100A, Sensor 100A
  - Compartment 8 - Breaker 70A, 3P PDG23M Breaker [225A Frame]**
    - Mechanical (1) #14-1/0
    - PXR20 LSI Trip Unit
    - Trip Unit Amps 100A, Sensor 100A
  - Compartment 9 - Breaker 225A, 3P PDG23M Breaker [225A Frame]**
    - Mechanical (1) #4-4/0
    - PXR20 LSI Trip Unit
    - Trip Unit Amps 225A, Sensor 225A
  - Compartment 10 - Breaker 70A, 3P PDG23M Breaker [225A Frame]**
    - Mechanical (1) #14-1/0
    - PXR20 LSI Trip Unit
    - Trip Unit Amps 100A, Sensor 100A
  - Compartment 11 - Breaker 225A, 3P PDG23M Breaker [225A Frame]**
    - Mechanical (1) #4-4/0
    - PXR20 LSI Trip Unit
    - Trip Unit Amps 225A, Sensor 225A
  - Compartment 12 - Breaker 225A, 3P PDG23M Breaker [225A Frame]**
    - Mechanical (1) #4-4/0
    - PXR20 LSI Trip Unit
    - Trip Unit Amps 225A, Sensor 225A
  - Compartment 13 - Breaker 400A, 3P PDG33M Breaker [400A Frame]**
    - Mechanical (1) 2/0-500 kcmil
    - PXR20 LSI Trip Unit
    - Trip Unit Amps 400A, Sensor 400A
  - Compartment 14 - Breaker 400A, 3P PDG33M Breaker [400A Frame]**
    - Mechanical (1) 2/0-500 kcmil
    - PXR20 LSI Trip Unit
    - Trip Unit Amps 400A, Sensor 400A
  - Compartment 15 - Breaker 400A, 3P PDG33M Breaker [400A Frame]**
    - Mechanical (1) 2/0-500 kcmil
    - PXR20 LSI Trip Unit
    - Trip Unit Amps 400A, Sensor 400A
  - Compartment 16 - Breaker 400A, 3P PDG33M Breaker [400A Frame]**
    - Mechanical (1) 2/0-500 kcmil
    - PXR20 LSI Trip Unit
    - Trip Unit Amps 400A, Sensor 400A
  - Compartment 17 - Breaker 600A, 3P PDG33M Breaker [600A Frame]**



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- Structure**            **4   3000 Amp CU Distribution Structure**
- Compartment 1 - Breaker PD23SPACE Breaker Space**
- Compartment 2 - Breaker PD23SPACE Breaker Space**
- Compartment 3 - Breaker PD23SPACE Breaker Space**
- Compartment 4 - Breaker PD23SPACE Breaker Space**
- Compartment 5 - Breaker 70A, 3P PDG23M Breaker [225A Frame]**
- Mechanical (2) #2-500 kcmil
- PXR20 LSI Trip Unit
- Trip Unit Amps 600A, Sensor 600A
- Compartment 18 - Breaker 1000A, 3P PDG53M Breaker, [1200A Frame]**
- Mechanical (3) 500-750 kcmil
- PXR20 LSIG Trip Unit
- Trip Unit Amps 1200A, Sensor 1200A
- Compartment 19 - Breaker 1000A, 3P PDG53M Breaker, [1200A Frame]**
- Mechanical (3) 500-750 kcmil
- PXR20 LSIG Trip Unit
- Trip Unit Amps 1200A, Sensor 1200A

- Qty    List of Materials**
- 1    Service Entrance Label
- 1    3000 Amp CU Distribution Structure
- 2    Mechanical (3) 500-750 kcmil
- 1    Mechanical (2) #2-500 kcmil
- 4    Mechanical (1) 2/0-500 kcmil
- 3    Mechanical (1) #4-4/0
- 5    Mechanical (1) #14-1/0
- 4    Copper Ground Bus
- 1    3000 Amp CU Main Structure
- 1    3000A Utility Metering - Eversource
- 2    Vertical Isol. Barrier (Service Entrance)
- 1    Horizontal Isol. Barrier (Service Entrance)
- 1    3000 Amp CU Main Structure
- 1    2000 Amp Customer Metering - PXM2260, CTs, With Display
- 1    SPD Series 200kA SPD, Standard w/ Fusible Disconnect
- 1    PXM2260 MTR/DY 60HZ 5A 90-265V ACDC
- 1    3000 Amp CU Bussed Incoming Pull Section
- 1    12 Inch Pull Box
- 2    1000A, 3P PDG53M Breaker, [1200A Frame], Trip 1000 A, PXR20 LSIG/A, (3) 500-750 kcmil, Mechanical
- 1    600A, 3P PDG33M Breaker [600A Frame], Trip 600 A, PXR20 LSI, (2) #2-500 kcmil, Mechanical
- 4    400A, 3P PDG33M Breaker [400A Frame], Trip 400 A, PXR20 LSI, (1) 2/0-500 kcmil, Mechanical
- 3    225A, 3P PDG23M Breaker [225A Frame], Trip 225 A, PXR20 LSI, (1) #4-4/0, Mechanical
- 4    70A, 3P PDG23M Breaker [225A Frame], Trip 70 A, PXR20 LSI, (1) #14-1/0, Mechanical
- 1    25A, 3P PDG23M Breaker [225A Frame], Trip 25 A, Thermal Mag, (1) #14-1/0, Mechanical
- 4    PD23SPACE Breaker Space
- 1    3000A 3P NRX-RF Brkr [Fixed-Manual], 65 kAIC, Trip 3000 A, PXR20 LSIG/A, Top



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Item No.	Qty	Product	Description
	1	Panelboards	3 Circuits, 400A, Fully Rated, 480Y/277V 3Ph 4W, Copper Bus, 50kAIC, 300A, 3P PDG33M0300 Main Breaker[Top Fed], Surface Mounted
		<b>Catalog No</b>	PUNFNFBTB6A
		<b>Designation</b>	MSFP-LL (WBM)
	<b>Qty</b>	<b>List of Materials</b>	
	1		300A, 3P PDG33M0300 Main Breaker
	1		400A, Through-Feed Lugs
	1		3P Frame 3 Branch Provision Only
	1		Copper Main Bus, 400 Amps
	1		Std. Bolted Al Ground Bar (Al/Cu Cable)
	1		Painted Box - ANSI 61
	1		Panel Nameplate - White with Black Letters
	1		Type 1 Enclosure: BX2473P
	1		Standard Covers: Standard Covers
	1		WBM Combination Main Circuit Breaker and CT compartment No Branch C/B's Required

Item No.	Qty	Product	Description
	1	Panelboards	30 Circuits, 1200A, Fully Rated, 208Y/120V 3Ph 4W, Copper Bus, 22kAIC, 1000A, 3P PDG53M1000 Main Breaker[Top Fed], Surface Mounted
		<b>Catalog No</b>	PESFEIBTB30A
		<b>Designation</b>	DP-LL
	<b>Qty</b>	<b>List of Materials</b>	
	1		1000A, 3P PDG53M1000 Main Breaker
	5		PXR20 Electronic Trip Unit
	5		PXR20 Electronic Trip Unit
	1		PXR20 Electronic Trip Unit w/ LSIG + ARMS
	5		Trip Unit Amps, 150A
	5		Trip Unit Amps, 225A
	1		Trip Unit Amps, 1200A
	10		1 NO & 1 NC Aux Contact (Integral)
	5		225A, 3P PDG23M0225 Branch Breaker
	5		125A, 3P PDG23M0125 Branch Breaker
	1		PXM1000 Multifunction Meter with Display
	1		RS-485 plus BACnet/IP and Modbus TCP with Web/HTTP Push
	1		Copper Main Bus, 1200 Amps
	1		Std. Bolted Al Ground Bar (Al/Cu Cable)
	1		Painted Box - ANSI 61
	1		Panel Nameplate - White with Black Letters
	1		Type 1 Enclosure: BX3690P
	1		Standard Covers: Standard Covers



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Item No.	Qty	Product	Description
	1	Panelboards	18 Circuits, 250A, Fully Rated, 480Y/277V 3Ph 4W, Copper Bus, 50kAIC, 250A, Main Lugs Only[Top Fed], Surface Mounted

**Catalog No** WI:PESCNELTB24A  
**Designation** EDP-LL

- Qty List of Materials**
- 1 250A, Main Lugs Only
  - 5 PXR20 Electronic Trip Unit
  - 5 Trip Unit Amps, 100A
  - 5 1 NO & 1 NC Aux Contact (Integral)
  - 5 70A, 3P PDG23M0070 Branch Breaker
  - 1 3P Frame 2 Branch Provision Only
  - 1 Surge Protective Device, 200 kA SPD Series - Standard
  - 1 PXM350 with Pulse Output, Modbus (RS485), BACnet MSTP
  - 1 Copper Main Bus, 250 Amps
  - 1 Std. Bolted Al Ground Bar (Al/Cu Cable)
  - 1 Panel Nameplate - White with Black Letters
  - 1 Type 1 Enclosure: EZB2072R
  - 1 EZ Trim, Door in Door, Concealed Hardware: EZT2072S

Item No.	Qty	Product	Description
	1	Panelboards	30 Circuits, 1200A, Fully Rated, 480Y/277V 3Ph 4W, Copper Bus, 50kAIC, 1200A, Main Lugs Only[Top Fed], Surface Mounted

**Catalog No** PDSFNILTB36A  
**Designation** SMDP-LL

- Qty List of Materials**
- 1 1200A, Main Lugs Only
  - 2 PXR20 Electronic Trip Unit
  - 5 PXR20 Electronic Trip Unit
  - 2 PXR20 Electronic Trip Unit
  - 5 Trip Unit Amps, 100A
  - 2 Trip Unit Amps, 400A
  - 2 Trip Unit Amps, 225A
  - 7 1 NO & 1 NC Aux Contact (Integral)
  - 2 225A, 3P PDG23M0225 Branch Breaker
  - 2 400A, 3P PDG33M0400 Branch Breaker
  - 1 3P Frame 2 Branch Provision Only
  - 5 70A, 3P PDG23M0070 Branch Breaker
  - 1 PXM1000 Multifunction Meter with Display
  - 1 RS-485 plus BACnet/IP and Modbus TCP with Web/HTTP Push
  - 1 Copper Main Bus, 1200 Amps
  - 1 Std. Bolted Al Ground Bar (Al/Cu Cable)
  - 1 Painted Box - ANSI 61
  - 1 Panel Nameplate - White with Black Letters
  - 1 Type 1 Enclosure: BX3690P
  - 1 Standard Covers: Standard Covers



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	1	Panelboards	18 Circuits, 600A, Fully Rated, 208Y/120V 3Ph 4W, Copper Bus, 22kAIC, 600A, 3P PDG33G0600 Main Breaker[Top Fed], Surface Mounted
		<b>Catalog No</b>	PDSFEGBTB18A
		<b>Designation</b>	SDP-LL
	<b>Qty</b>	<b>List of Materials</b>	
	1	600A, 3P PDG33G0600 Main Breaker	
	1	PXR20 Electronic Trip Unit	
	4	PXR20 Electronic Trip Unit	
	2	PXR20 Electronic Trip Unit	
	4	Trip Unit Amps, 150A	
	2	Trip Unit Amps, 225A	
	1	Trip Unit Amps, 600A	
	6	1 NO & 1 NC Aux Contact (Integral)	
	4	125A, 3P PDG23M0125 Branch Breaker	
	2	225A, 3P PDG23M0225 Branch Breaker	
	1	PXM1000 Multifunction Meter with Display	
	1	RS-485 plus BACnet/IP and Modbus TCP with Web/HTTP Push	
	1	Copper Main Bus, 600 Amps	
	1	Std. Bolted Al Ground Bar (Al/Cu Cable)	
	1	Painted Box - ANSI 61	
	1	Panel Nameplate - White with Black Letters	
	1	Type 1 Enclosure: BX3673P	
	1	Standard Covers: Standard Covers	