

**DEPARTMENT OF VETERANS AFFAIRS  
WILKES-BARRE VA MEDICAL CENTER**

**Inventory of Electrical Power Distribution System Equipment**  
**For**  
**Maintenance, Inspection, and Testing**  
**Of the Electrical Power Distribution System**

**I. Switchgear and Switchboard Assemblies:**

(Including metering, instruments and control transformers).

1. Main Service Medium Voltage Switchgear-15KV-1200Ampere-3Phase-4Wire
2. Bldg 11/12 Switchboard CH-1- 3000Amp-480/277V-3Ph-4W
3. Bldg 27 Switchboard MDS- 1600Amp-480/277V-3Ph-4W-includes Ground Fault Protection Control System.
4. Ambulatory Care Addition Switchboard MDP- 3000Amp-480/277V-3Ph-4W
5. Bldg 1 Switchboard A- 4000 Amp-208/120V-3Ph-4W
6. Bldg 1 Switchboard B- 4000 Amp-208/120V-3Ph-4W
7. Bldg 1 Challenger Switchboard- 2500Amp-208/120V-3Ph-4W
8. Bldg 1 GE Switchboard- 2500Amp-208/120V-3Ph-4W
9. Amb. Care Addition Switchboard EDP-1600Amp-480/277V-3Ph-4W
10. Bldg 1 Switchboard E-1200Amp-208/120V-3Ph-4W
11. Bldg 27 Switchboard EMDP-1-1600Amp-480/277V-3Ph-4W
12. Switchboard MDS- 1200Amp-480/277V-3Ph-4W
13. Bldg 11/12 Switchboard EBPD-1200Amp-480/277V-3Ph-4W
14. Bldg 1 Switchboard E- 1200Amp-208/120V-3Ph-4W

**II. Transformers, Dry Type, Air-Cooled, Low-voltage, Small:**

1. 500 KVA-480V 3Ph. Primary (Pri)/208/120V 3Ph.-4W Secondary(Sec), (2 Each).
2. 300 KVA-480V 3Ph. Pri/208/120V- 3Ph.-4W Sec, (4 Each).
3. 225 KVA-480V 3Ph. Pri/208/120V- 3Ph.-4W Sec, (3 Each).
4. 150 KVA-480V 3Ph. Pri/208/120V 3Ph.-4W Sec, (5 Each).
5. 112.5 KVA-480V 3Ph. Pri/208/120V 3Ph.-4W Sec, (2 Each).
6. 75 KVA-480V 3Ph. Pri/208/120V 3Ph.-4W Sec, (6 Each).
7. 45 KVA-480V 3Ph. Pri/208/120V 3Ph.-4W Sec, (1 Each).

**III. Transformers, Dry Type, Air-Cooled, Low-voltage, Large:**

1. 2000 KVA-480V 3Ph. Pri/208/120V-3Ph.-4W Sec, (2 Each).

**IV. Transformers, Liquid-Filled:**

1. 1500 KVA-480V 3Ph. Pri/208/120V-3Ph-4W Sec, (2 Each).

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2. 750 KVA-480V 3Ph. Pri/208/120V-3Ph-4W Sec, (3 Each).

### **V. Metal Enclosed Busways:**

1. Bldg 1: 140 Linear Feet Vertical Busway Riser thru Floors, Each Run.
  - A. East Riser: 600Amp-208/120V-3Ph-4W
  - B. Center Riser: 600Amp-208/120V-3Ph-4W
  - C. West Riser: 600Amp-208/120V-3Ph-4W
2. Bldg 1: 60 Linear Feet Vertical Busway Riser Thru Floors, Each Run.
  - A. North Riser: 600Amp-208/120V-3Ph-4W
3. Ambulatory Care Addition South: 140 Linear Feet Vertical Busway Riser thru Floors, Each Run.
  - A. Emergency Critical Riser: 400Amp-480/277V-3Ph-4W
  - B. Emergency Life Safety Riser: 225Amp-480/277V-3Ph-4W
  - C. Normal Lighting Riser: 400Amp-480/277V-3Ph-4W
  - D. Normal Power Riser: 400 Amp-208/120V-3Ph-4W
4. Amb. Care Addition North: 70 Linear Feet Vertical Busway Riser thru Floors, Each Run.
  - A. Emergency Critical Riser: 400Amp-480/277V-3Ph-4W
  - B. Emergency Life Safety Riser: 225Amp-480/277V-3Ph-4W
  - C. Normal Lighting Riser: 225 Amp-480/277V-3Ph-4W
  - D. Normal Power Riser: 600 Amp-208/120V-3Ph-4W
5. Amb. Care Addition East: 120 Linear Feet Vertical Busway Riser thru Floors, Each Run.
  - A. Emergency Critical Riser: 400Amp-480/277V-3Ph-4W
  - B. Emergency Life Safety Riser: 225 Amp-480/277V-3Ph-4W

### **VI. Switches, Air, Low-Voltage:**

1. For Motor Control Center Fusible Switches refer to section XII.
2. Square D 2000Amp-480V-3Ph Bolted Pressure Switch (1 Each).

### **VII. Switches, Air, Medium-Voltage, Metal-Enclosed:**

1. 15KV Class HVL single selection load break air switches (11 Each).
2. 15KV Class single selection non-load break air switches (2 Each).

**VIII. Circuit Breakers, Air, Insulated-Case/Molded-Case:**

1. For Motor Control Center Circuit Breakers refer to section XII.
2. Bldg 27 Westinghouse Type LC with Seltronic type trip rating plugs (15 Each).
3. GE Type TKH8S with RMS-9 MicroVersa Trip Units (2 Each).
4. GE Type TKH12S with RMS-9 MicroVersa Trip Units (1 Each).
5. GE Type TP2525SSZ with RMS-9 MicroVersa Trip Units (1 Each).
6. Challenger CSPGA 32500F Style 1242C74608, Rating Plug CSP 2500 (2 Each).
7. Westinghouse Series C NDB12T36W with Digitrip RMS 310 Units (2 Each).
8. Challenger Type CK-35, CK3400F with Digitrip RMS 310 Units (4 Each).
9. Square D Type LX Circuit Breakers with Micrologic Standard Series B Trips (18 Each), Type KC (2 Each), Type SE Main Breaker 3000Amp (1 Each).
10. Square D Speed-D I-Line Circuit Breakers(3-Pole):
  - A. 15Amp to 125Amp (45 Each).
  - B. 400Amp (1 Each).
  - C. 175Amp (2 Each).
  - D. 600Amp (1 Each).
  - E. 200Amp (2 Each).
  - F. 225Amp (1 Each).
11. GE AV Line Circuit Breakers (3-Pole):
  - A. Type TJK-150Amp to 300Amp (11 Each).
  - B. Type TKMA-600Amp to 800 Amp (3 Each).
  - C. Type THED-150Amp (1 Each).
  - D. Type TB4-200 Amp (1 Each).
  - E. Type TEY-20 Amp (1 Each).
12. Square D Thermal Magnetic (3-Pole):
  - A. Type LC-400Amp (3 Each).
  - B. Type KC-225Amp(5 Each).
  - C. Type MH-600Amp(2 Each).
  - D. Type FC-100Amp(1 Each).
13. GE Type SS/SH 1600Amp 3-Pole Powerbreak II w/MVT Plus/PM (1Each).
14. GE Spectra Series, Type SGLA, 3-Pole, 300Amp to 600Amp (7 Each).
15. GE Spectra Series, Type SFLA, 3-Pole, 225Amp (1 Each).
16. GE Type LX/LXI, 3-Pole, 400Amp (1 Each).
17. GE Type SKHP 1200Amp 3-Pole w/MVT+PM(1 Each).
18. GE Spectra Series, Type SGLA, 3-Pole, 400Amp to 500Amp(4 Each).
19. Square D PowerPact Series, R Frame, 3-Pole, 1600Amp (1 Each).
20. Square D PowerPact Series, R Frame, 3-Pole, 1200Amp(1 Each).
21. GE Type TRL 2000Amp, 3 Pole, w/MVT Plus/PM(1 Each).

**IX. Circuit Breakers, Air, Low-Voltage Power:**

1. GE Type AKRU with Epic MicroVersaTrip. 4000Amp Mains and Tie breakers (3 Each).
2. GE Type AKRU with MVT, one being RMS-9. Trip settings from 150Amp to 1200Amp (43 Each).

**X. Circuit Breakers, Air & Vacuum, Medium-Voltage:**

1. 15KV Class, Square D DSE-65 Solenarc Air Circuit Breakers (5 Each).
2. 15KV Class, Square D VR Vacuum Circuit Breakers (2 Each).

**XI. Protective Relays, Mechanical, and Solid State:**

1. General Electric Model # 12IFC53B1A (6 Each).
2. General Electric Model # 12IFC53B2A (2 Each).
3. ABB Model # Micro 51 Circuit Shield, Cat. # 446S1201 (6 Each).
4. ABB Model # Micro 51 Circuit Shield, Cat. # 446S1101 (2 Each).
5. General Electric Model # 12IAV69A1A (2 Each).
6. General Electric Model # 12NBV11A3A (2 Each).

**XII. Motor Control, Motor Control Centers, Low-Voltage:**

1. Amb. Care Addition EMCC3-600A-480/277V-3PH-4W, No Main Circuit Breaker(MCB), Square D Model 6, F.O. 11220535-043, Square D Type F Frame adjustable and fixed molded case circuit breakers, sizes vary 15Amp thru 50 Amp (15 Each), Starter sizes vary-1 through 3 (13 Each).
2. Amb. Care Addition EMCC5-600A-480/277V-3PH-4W, no MCB,Square D Model 6, F.O. 11220535-0XX, Square D Type F frame adjustable and fixed molded case circuit breakers, sizes vary 15 Amp thru 60 Amp (15 Each), Starter sizes vary 1 through 3 (15 Each), and 1-100Amp,1-400 Amp circuit breakers.
3. Amb. Care Addition MCC3-600A-480/277V-3PH-4W, 400Amp MCB, Square D Model 6, F.O. 11220535-040, Type F Frame adjustable and fixed molded case circuit breakers, sizes vary 15 Amp thru 100Amp (15 Each), Starter sizes vary-1 through 3(15 Each).
4. Amb. Care Addition MCC5-600Amp-480/277V-3PH-4W,225Amp MCB, Square D Model 6, F.O. 11220535-0XX, Type F frame adjustable and fixed molded case circuit breakers, sizes vary 15 Amp thru 60 Amp (7 Each), Starter sizes vary 1 through 3(7 Each), and 1-150 Amp circuit breaker.

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5. Bldg.27 MCC1-600A-480V-3PH-3W,Square D Model 4, F.O. 12-61061-1, Fusible Switches (14 Each), Starter sizes vary-1 through 3 (14 Each).
6. Bldg.27 MCC2-600A-480V-3PH-3W,Square D Model 4, F.O. 12-61061-2, Fusible Switches (20 Each), Starter sizes vary-1 through 3 (20 Each).
7. Chiller Bldg MCC-CH1-1200Amp-480/277V-3PH-4W, Square D Model 6 w/ Powerlogic Metering, F.O. 11220535-AOX, Square D Type PXF 1200, Amp 3-Pole, Main CB, Feeder Breakers-Square D Circuit Breakers (19 Each), Starter sizes 1 through 5(11 Each).

### **XIII. Emergency Systems, Engine Generator:**

1. Generator #1-1000KW-480/277V-3Ph-4W Diesel Fueled
2. Generator #2-800KW-480/277V-3Ph-4W Diesel Fueled.
3. Generator #3-750KW-480/277V-3Ph-4W Diesel Fueled.

### **XIV. Grounding Systems:**

1. All Switchgear & Switchboard Assemblies listed in paragraph **I**.
2. All Emergency Systems, Engine Generators listed in paragraph **XIII**.

### **XV. Ground-fault Protection Systems:**

1. All equipment listed in paragraph **I**, sub-paragraph **3**.

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