

FedBizOpps Sources Sought Notice

CLASSIFICATION CODE *	H
SUBJECT *	"Services:" Electrical Maintenance & Testing Service
GENERAL INFORMATION	
CONTRACTING OFFICE'S * ZIP-CODE	33637
SOLICITATION NUMBER *	VA248-17-N-0615
RESPONSE DATE (MM-DD-YYYY)	04-13-2017
ARCHIVE	10 DAYS AFTER THE RESPONSE DATE
RECOVERY ACT FUNDS	N
SET-ASIDE	14
NAICS CODE *	238210
CONTRACTING OFFICE ADDRESS	Department of Veterans Affairs Network Contracting Office 8 (NCO 8) 8875 Hidden River Pkwy Suite 525 Tampa FL 33637
DESCRIPTION *	See Attachment
POINT OF CONTACT * (POC Information Automatically Filled from User Profile Unless Entered)	Jose R. Sierra-Colon, Contracting Officer
PLACE OF PERFORMANCE	
ADDRESS	James A. Haley VA Hospital 13000 Bruce B. Downs Blvd. Tampa
POSTAL CODE	33312-4745
COUNTRY	
ADDITIONAL INFORMATION	
AGENCY'S URL	
URL DESCRIPTION	
AGENCY CONTACT'S EMAIL ADDRESS	
EMAIL DESCRIPTION	jose.sierra-colon@va.gov

* = Required Field

Description:

THIS IS NOT A SOLICITATION ANNOUNCEMENT. THIS IS A REQUEST FOR INFORMATION Only.

This Request for Information (RFI) is intended for information and planning purposes only at this time; and shall not be construed as a solicitation or as an obligation on the part of the Department of Veterans Affairs. This Request for Information is intended for all Socio-economic groups: Service Disable Veteran Owned Small Business. Because this is a Request for Information announcement, no evaluation letters and/or results will be issued to the respondents. No solicitation exists. Therefore, do not request a copy of the solicitation. Responses from other than the above mentioned groups will not be considered. The Department of Veterans Affairs Service Area Office East/Network Contracting Office 8, Tampa, FL Team, is conducting market research to identify potential sources with the intention to award Service Contract, which has a requirement to provide maintenance, cleaning, inspection, testing, and/or calibration of the Electrical Power Distribution System and all of its components as per stated on SOW to include labor, material, equipment's, transportation and supervision as well as all inspection, cleaning, testing and the replacement of parts to ensure equipment is operational in accordance with the manufacturer's specifications. The Contractor shall be experienced Electrical Contractors, obtain all necessary licenses and training required to perform the work for the James A. Haley VA Hospital located in Tampa, FL.

Responses to this notice should include company name, address, point of contact, phone number, and point of contact e-mail, DUNS Number, Cage Code, size of business pursuant to North American Industrial

Classification System (NAICS). The agreement period will be for one (1) year from the date of agreement award. NAICS Code is 238210. This procurement will be conducted in accordance with Federal Acquisition Regulation (FAR) Part 13. Telephone responses will not be accepted. Responses must be received in writing no later than, 1500/03:00PM Eastern Standard Time (EST) on April 13, 2017. This notice will help the VA in determining available potential sources only. Do not contact VA Medical Center staff in regards to this requirement, as they are not authorized to discuss this matters related to this procurement action, all questions will be addressed during the solicitation stage by the Contract Specialist. **All firms responding to this Request for Information are advised that their response is not a request for proposal therefore will not be considered for a contract award.**

If a solicitation is issued, information will be posted on the FedBizOpps (FBO) web site for all qualified interested parties at a later date, and interested parties must respond to the solicitation to be considered for award. This notice does not commit the government to contract for any service. The government will not pay for any information or administrative cost incurred in response to this Request for Information. Information will only be accepted in writing by e-mail to Contracting Officer at jose.sierra-colon@va.gov.

DISCLAIMER

This RFI is issued solely for information and planning purposes only and does not constitute a solicitation. All information received in response to this RFI that is marked as proprietary will be handled accordingly. In accordance with FAR 15.201(e), responses to this notice are not offers and cannot be accepted by the Government to form a binding contract. Responders are solely responsible for all expenses associated with responding to this RFI.

STATEMENT OF WORK

FOR

Maintenance, Inspection, Testing, and Cleaning

Of the Electrical Power Generating and Distribution Systems

1. Introduction:

The James A. Haley VA Medical Center Facility Management Service at 1300 Bruce B. Downs Blvd. Tampa, Florida has a requirement for the maintenance, cleaning, inspection, testing, and/or calibration of the Electrical Power Distribution System and all of its components. These work items are referenced as “Maintenance and Testing” in this document, hereafter.

2. Scope of Work:

All work and testing shall be in compliance with manufacturer’s recommendations, and in accordance with applicable NEMA, NEC, ANSI, ASTM, ASA, NETA (and /or) Veteran’s administration standards.

A) Medium voltage switches

- 1) Clean contacts and remove oxide or corrosion.
- 2) Maintain 80% or better contact mating on knife or butt-type contact surfaces.
- 3) Measure contact resistance in micro ohms, megger each phase to ground and record any discrepancies.
- 4) Clean and inspect the cubicle, check torque and tighten all untapped connections and lubricate as necessary.
- 5) Check switches for freedom of movement and galling, or friction in moving parts.
- 6) Check for signs of heating on current carrying parts, lose or missing hardware and broken or missing cotter keys or retainer rings.
- 7) Replace missing or broken parts and lubricate.
- 8) Check fuses for proper size and connections for tightness in ferrules.
- 9) Report any unfavorable environmental conditions, such as excessive moisture or conducting dust.
- 10) Visually inspect the equipment ground, ground buss and ground straps.

All work shall be performed per manufacturer's specifications

B) Medium voltage breakers

- 1) Clean and inspect the cubicle, check torque and tighten all untapped connections and lubricate as necessary.
- 2) Check for signs of heating, loose, missing or broken hardware.
- 3) Visually inspect ground, ground buss and ground straps.
- 4) Report any unfavorable environmental conditions, such as excessive moisture or conducting dust.
- 5) Draw or rack each breaker from its cubicle, remove arc chutes, clean, inspect, adjust, and lubricate all contacts as necessary.
- 6) Measure contact resistance in micro ohms, megger each phase to phase and phase to ground.
- 7) Electronically close and trip each breaker with control switch.
- 8) Manually close and trip each breaker.
- 9) Trip each breaker with each of its protective devices.
- 10) Tighten all connections.

All work shall be performed per manufacturer's specifications

C) Medium voltage dry and liquid filled transformers

- 1) Inspect transformers and accessories for damage, signs of heating, loose connections and missing hardware.
- 2) Clean all appropriate surfaces check torque and tighten all un-taped connections.
- 3) Visually inspect the equipment ground, ground buss and ground straps.
- 4) Report any unfavorable environmental conditions, such as excessive moisture or conducting dust.
- 5) Sample all insulating liquids and test dielectric and water content.

D) Protective Relays

- 1) Inspect for:
 - a) Loose terminals, lock screws and other parts.
 - b) Filings or other foreign material in magnet gaps.

- c) Burned or dirty contacts.
 - d) Sticky contact backstops.
 - e) Dirty, worn and broken bearings or other causes of sluggish operation.
 - f) Damaged coils, resistors or wiring.
 - g) Damaged or maladjusted indicator targets or holding devices.
- 2) Clean and make all necessary adjustments, and tighten loose connections.
 - 3) Perform four types of tests for overcurrent relay testing: zero set, pickup, time current, Characteristics and target and seal-in operation.
 - 4) For overcurrent instantaneous relays, consult manufacturer's instruction bulletin to identify current terminals and contact terminals.
 - 5) For over/under voltage relays, consult manufacturer's instruction bulletin to identify potential terminals and contact terminals. Perform the zero set, pickup and timing tests.

All work shall be performed per manufacturer's specifications.

E) Low Voltage Breakers

- 1) Inspect breaker, clean, check torque and tighten all connections.
- 2) Megger each breaker phase to phase and phase to ground, measure contact resistance in micro ohms.
- 3) Test each series overcurrent trip device for pickup at 200% and 300% of its rating and for instantaneous pickup.
- 4) Report any unfavorable environmental conditions, such as excessive moisture or conducting dust.

All work shall be performed per manufacturer's specifications.

Low voltage substation Breakers

- 1) Clean and inspect the cubicle, check torque and tighten all untapped connections and lubricate as necessary.
- 2) Check for signs of heating, loose, missing or broken hardware.
- 3) Visually inspect ground, ground buss and ground straps.
- 4) Report any unfavorable environmental conditions, such as excessive moisture or conducting dust.

- 5) Draw or rack each breaker from its cubicle, remove arc chutes, clean, inspect, adjust, and lubricate all contacts as necessary.
- 6) Measure contact resistance in micro ohms, megger each phase to phase and phase to ground.
- 7) Electronically close and trip each breaker with control switch.
- 8) Manually close and trip each breaker.
- 9) Trip each breaker with each of its protective devices.
- 10) Tighten all connections.

All work shall be performed per manufacturer's specifications

F) Low Voltage Transformers Dry Type

- 1) Inspect transformers and accessories for damage, signs of heating and missing hardware.
- 2) Clean all appropriate surfaces; check torque and tighten all untapped connections.
- 3) Visually inspect the equipment ground, ground buss and ground strips.
- 4) Report any unfavorable environmental conditions, such as excessive moisture or conducting dust.

All work shall be performed per manufacturer's specifications.

3. Qualifications:

- A. Contractors shall be experienced Electrical Contractors, having properly trained and licensed permanent staff required to perform the proposed work. Electrical Contracting (i.e. the construction, repair, testing and maintenance of industrial and commercial electrical distribution systems) shall be the primary interest/specialty of the Contractor's business.
- B. Contractors shall be certified by the International Electrical Testing Association (NETA) or *equivalent certifying organization* as Certified Technicians with each having completed the Occupational Safety & Health Administration (OSHA) approved 10-hour construction safety training.
- C. Contractors shall have technical training and demonstrable track records of working experience in maintenance, cleaning, inspection, testing of the Electrical Power Distribution Systems and related components in healthcare, industrial, educational, and commercial facilities for a minimum of five (5) continuous years. Electrical components on which the Contractors have experience shall include, but not be limited to, switchboards & switchgear (low and medium voltage); low voltage

controls; emergency and standby generators; automatic transfer switches, wiring, transformers, meters, and other electrical appurtenances.

- D. Contractors shall have safety trainings – either on-the-job or class-room type - in electrical safety outlined in the OSHA Standard 29 Code of Federal Regulations (CFR) 1910 Subpart S – Electrical, and the NFPA 70E – Standard for Electrical Safety in the Workplace. Training certification shall be provided indicating each technician is a *Qualified Person* as defined by NFPA 70E. Training certifications shall be submitted to the VA Contracting Officer prior to work. If no training certifications are available, the contractor's Employer shall certify that he/she has met this requirement in writing, and submit it to the VA Contracting Officer prior to work.
- E. Contractors shall have ready access to the latest versions of the following references:
 - 1) NFPA 70, National Electrical Code.
 - 2) NFPA 70B, Recommended Practice for Electrical Equipment Maintenance.
 - 3) NFPA 70E, Standard for Electrical Safety for the Workplace.
 - 4) NFPA 110, Standard for Emergency and Standby Power System.
 - 5) OSHA Standard 29 CFR 1910, Subparts I & S.
 - 6) International Electrical Testing Association, Inc. (NETA) – Maintenance and Testing Specifications.
 - 7) Operating /Maintenance manuals and specifications of the electrical equipment to be maintained and tested. These documents may be obtained from the VHA Medical Center, or the equipment manufacturers.
 - 8) VHA Directive July 25, 2014 [1028], Electrical Power Distribution System
 - 9) Manufacturers Specifications for testing, inspecting, and maintenance
- F. Contractors shall have and provide all necessary tools, equipment, and Personal Protective Equipment (PPE) to perform the work safely, effectively, and timely. Tools, equipment, and PPE shall comply with the requirements of OSHA Standard 29 CFR 1910, Subpart I, and NFPA 70E. Prior to initiating work, Contractor shall provide documentation that all instruments, test equipment, tools and PPE have current calibration. Dated calibration labels shall be visible on all instruments, test equipment, tools and PPE as appropriate.

4. Summary of Work:

- A. The Contractor shall provide a proposed schedule with their quote. The schedule shall be in the form of a progress chart (i.e. Pert or Gantt) of suitable scale to indicate the work scheduled for completion by any given date during the work period. The proposed schedule shall be reviewed by the James A. Haley VAMC Facilities Management; any requirements for adjusting the schedule (e.g. to minimize disruption to the VAMC) shall be incorporated by the Contractor.
- B. Contractors shall report deficiencies that are deemed critical or catastrophic immediately to the Contracting Officer and Chief of Facilities Management for immediate actions.
- C. Work items, definitions, and references shall comply with the latest edition of the NETA – Maintenance Testing Specifications (MTS), Manufactures Specifications, and with the VHA Directive, Electrical Power Distribution System. Below is a list of electrical equipment that shall be maintained and tested:
 - 1. Switchgear and Switchboard Assemblies.
 - 2. Transformers, Dry Type, Air-Cooled, Low-voltage, Small.
 - 3. Transformers, Dry Type, Air-Cooled, Low-voltage, Large.
 - 4. Transformers, Liquid-Filled.
 - 5. Metal-Enclosed Busways.
 - 6. Switches, Air, Low-Voltage.
 - 7. Switches, Air, Medium-Voltage, Metal-Enclosed.
 - 8. Switches, Oil, Medium-Voltage.
 - 9. Switches, Vacuum, Medium-Voltage.
 - 10. Switches, SF₆, Medium-Voltage.
 - 11. Circuit Breakers, Air, Insulated-Case/ Molded-Case.
 - 12. Circuit Breakers, Air, Low-Voltage Power.
 - 13. Circuit Breakers, Air, Medium-Voltage.
 - 14. Circuit Breakers, Oil, Medium and High-Voltage.
 - 15. Circuit Breakers, Vacuum, Medium-Voltage.

16. Circuit Breakers, SF₆.
17. Protective Relays, Mechanical, and Solid State.
18. Protective Relays, Microprocessor Based.
19. Grounding Systems.
20. Ground-fault Protection Systems.
21. Motor Control, Motor Starters, Low-Voltage.
22. Motor Control, Motor Starter, Medium-Voltage.
23. Emergency Systems, Engine Generators.
24. Emergency Systems, Automatic Transfer Switches.
25. Medium voltage substations; Normal and Essential
26. Medium voltage switch packages
27. Medium voltage circuit switchers
28. Power Plant E-1, E-2, N-1, N-2 switch boards and associated equipment
29. Medium voltage Load Bank

D. Government will provide the following documents / books after the awarding of the contract. The documents are located at the power plant building 54.

1. Inventory of Electrical Power Distribution System equipment to be maintenance, cleaning, inspection, testing under this Scope of Work.
2. One-line and other informational drawings of the Electrical Power Distribution System. These drawings are not certified as-built drawings.
3. Electrical Power System study information relevant to the scope of this effort, such as coordination study data, short-circuits analysis, arc-flash hazard analysis and available protective device setting information.

E. System Function Tests. Provide function test for all equipment listed in this Scope of Work.

A. A complete written report of the work performed shall be provided to the VA within 7 days of completion. Information shown in the report shall be as following:

- 1) Company's name, addresses, telephone, & FAX numbers.
- 2) Name and signature of contractors who perform the maintenance and testing.

- 3) VA Work Contract Number, name and number of VA Contracting Officer.
- 4) Date and Time of work.
- 5) Copies of contractors' valid licenses, professional and training certificates.
- 6) Descriptions and model number of specialized tools and equipment used, such as torque wrench or infra-red scanning camera.
- 7) Location, Type, Name, and nameplate information of electrical equipment to be maintained and tested.
- 8) Descriptions of work items.
- 9) Test data.
- 10) Reference materials such as equipment manufacturer's specifications, coordination study, etc.
- 11) Remarks on conditions of electrical equipment. List all deficiencies, if any.
- 12) Recommended corrective actions, if any.
- 13) Contractor shall have 10 % of the contract cost in parts on hand to handle repairs and replacement of defective parts, breakers and switches.
- 14)** When referring to testing of switches and breakers, this is to include all spare breakers that meet the required parameters and specs.

B. Electrical equipment (including, but not limited to switchgears, switchboards, distribution panels, motor control centers, and all related components) is inspected, tested, maintained, and/or calibrated every 36 months, and all work must be documented. **NOTE:** *The National Electrical Testing Association (NETA) provides guidance which is considered best practice for the maintenance of electrical equipment; these practices should be followed to the extent possible.*

(a) Use lint-free rags to clean conductors, contact points between the circuit breakers and main buss bars, buss bars and interior of the electrical equipment. Use a vacuum cleaner to remove large debris; compressed air is not to be used for this purpose. Visually inspect for signs of overheating, misaligned contacts, damaged insulation, or loose lugs. (b) Lubricate all moving parts with manufacturer's approved lubricants.

(c) Test and exercise circuit breakers located in switchgears, switchboard, and distribution panels to ensure operation under overload, and short circuit conditions. **NOTE:** *The following maintenance requirements, although not mandatory, are strongly encouraged: All molded case circuit breakers (frames size 225 amps or less) should be tested annually to determine if contacts open and reclose when breaker is manually tripped and restored. All panels are to be tested including emergency panels. If no*

failures are encountered and the test is fully documented, the interval between molded case breaker testing may be extended in 6-month increments, up to but not to exceed 36 months between successive tests.

(d) Test ground fault protection devices for proper function if they are installed in the Electrical Power Distribution System.

(e) Inspect and tighten ground connections. Test ground resistance for the entire facility grounding system.

(f) Identify the hot spots in the electrical equipment by using infra-red thermal detecting equipment. Tighten problem connections to meet equipment manufacturers' specification using a torque wrench or other approved devices.

(g) Calibrate and maintain adjustable protective relays.

(h) Test all control systems equipment for proper operation after maintenance is performed and before placing them back in normal service.

(i) To ensure access is limited to qualified persons, electrical equipment is to be secured. For example, electrical panels located in corridors or other public areas are to be locked or otherwise secured.

NOTE: *Subparagraphs 4b (13) (c) through (h) are typically done by qualified electrical contract professionals who specialize in electrical testing. For the Statement of Work, go to the web site at: http://vawww.ceosh.med.va.gov/sow_ElectPowDistSysTesting.Doc. This is an internal Web site and is not available to the public.*

Submit four (4) hard copies of the complete written report to VA Contracting Officer within seven (7) calendar days of visit.

Submit four (4) hard copies of the complete written report, and one (1) CD-ROM or DVD of the electronic version of the report in Microsoft Word format to the Chief of [Facilities Management][Engineering Service] within seven (7) calendar days of visit. All reference materials shall be included in the electronic version of the report, either through scanning or other means of electronic text import methods.

Medium Voltage Inventory**Medium Voltage Breakers**

Location	Qty	Description
Bldg-54 Switchgear RM.-West	14	Square D type - VR
Bldg-54 Switchgear RM.-East	14	Square D type - VR
Bldg-39 RM. A105 Switch Gear Room	4	Cutler Hammer - VCP
Bldg. -39 Chiller Area	6	GE Starter Breaker Combination CR194B118B2
Poly-Trauma – 38 Substation 1-BP-ESS	2	Square D type – 17-23079421
Poly-Trauma – 38 Substation 1-BP-NSS-1	2	Square D type – 17-23079421
Poly-Trauma – 38 Substation 1-BP-NSS-2	2	Square D type – 17-23079421

Medium Voltage Switches

Location	Qty	Description
Bldg-54 Switchgear RM.-West	1	Cutler Hammer RE 500
Bldg-54 Switchgear RM.-East	1	Cutler Hammer RE 500
Bldg-39 RM. A110 4160 Gear Room	14	Cutler Hammer RE 500
Bldg. 1 North Substation 1N-ESS	2	Cutler Hammer RE 500
Bldg. 1 North Substation 1NSS	4	Cutler Hammer RE 500
Bldg. -39 Chiller Area	6	Cutler Hammer RE 500
Bldg. 30 Substation 64/USSNSS	4	Cutler Hammer RE 500
Bldg. 30 Sub ESS	2	Cutler Hammer RE 500

Bldg. 30 Substation NSS	1	Cutler Hammer RE 500
Bldg. 1 USS/OR	2	Square D 17-19201030-154
Bldg. 38 Substation NSS	2	Cutler Hammer RE 500
Bldg. 38 Substation ESS	2	Cutler Hammer RE 500
Bldg. 32 Substation ESS	2	Cutler Hammer RE 500
Bldg. 32 Substation NSS	2	Cutler Hammer RE 500

Medium Voltage Switches Cont.

Location	Qty	Description
Bldg. 1 South Substation NSS	4	Cutler Hammer RE 500

Bldg. 1 South Substation ESS	2	Cutler Hammer RE 500
38 -The Hill Circuit Switchers	32	S&C CDA-822232
38 -The Hill Pad Mount Switch Packages	2	S&C PME 12 (Green Ones)
Bldg. 68 / Outside Pad Mount Switch Packages	4	S&C PME 12
Bldg. 1/ Front / Outside Pad Mount Switch Packages	4	S&C PME 12

Medium Voltage Transformers

Location	Qty	Description
Bldg. 30 Substation 64/USS/NSS	1	Cutler Hammer D581827001
Bldg. 30 Substation ESS	1	Cutler Hammer D582513001
Bldg. 30 Substation NSS	1	Cutler Hammer D582748001
Bldg. 1 Substation USS/OR	1	Square D 19701030-155-01
Bldg. 1 North Substation NSS/A	1	Cutler Hammer D582511001
Bldg. 1 North Substation NSS/B	1	Cutler Hammer D582512001
Bldg. 1 North Substation ESS	1	Cutler Hammer D582507001
Bldg. 39	3	Cutler Hammer PDJ1273

4160 Control Room		
Bldg. 38 Substation NSS	1	Cutler Hammer PGA0099
Bldg. 38 Substation ESS	1	Cutler Hammer 82513003
Poly-Trauma – 38 Substation 1-BP-ESS	1	Square D 28079421-003
Poly-Trauma – 38 Substation 1-BP-NSS-1	1	Square D 28079421-002
Poly-Trauma – 38 Substation 1-BP-NSS-2	1	Square D 28079421-001
Bldg. 32 Substation ESS	1	Cutler Hammer D582514001

Medium Voltage Transformers Cont.

Location	Qty	Description
Bldg. 32 Substation NSS	1	Cutler Hammer D582513001
Bldg. 1 South Substation ESS	1	Cutler Hammer D582508001
Bldg. 1 South Substation NSS/A	1	Cutler Hammer D582510001
Bldg. 1 South Substation NSS/B	1	Cutler Hammer D582509001

Medium Voltage Relays

Location	Qty	Description
Bldg. 39 Substation Switch gear Room	2	Eaton FP 5000
Bldg. 39 Substation Switch gear Room	2	Eaton IQ Analyzer
Bldg. 39 Substation Switch gear Room	5	Digi trip 3000
Bldg. 54 Switch gear Room West	7	GE 735 Relays
Bldg. 54 Switch gear Room West	4	GE 489 Relays
Bldg. 54 Switch gear Room West	3	GE 750 Relays
Bldg. 54 Switch gear Room East	7	GE 735 Relays
Bldg. 54 Switch gear Room East	4	GE 489 Relays
Bldg. 54 Switch gear	3	GE 750 Relays

Room East		

Low Voltage Transformers

Location	Qty	Description
Parking Garage East Side	1	Square D 27729070-001-01
Bldg. 30/64 Outside North End	1	Cooper 00013P13XJEA
Bldg. 54 Outside by fuel Tanks	3	Cooper 1- 009J8X65K39A 2- 001M7P10K83A 3- 001M7P10K83A-1

Appendix – B

Low Voltage Inventory

Bldg No.	Room No.	Breaker Name	Amps	Model Number	E.E. Number
30	NSS	64-UUS-LVSS MAIN	2000	Eaton MDS620	None
30	NSS	Fire Pump	400	Eaton HDK65K	None
30	NSS	ATS-CR	800	Eaton HDK65K	None
30	NSS	ATS-EQ-2	800	Eaton HND65K	None
30	NSS	ATS-EQ-1	800	Eaton HND65K	None
30	NSS	SPARE	800	Eaton HND65K	None
30	NSS	Ciller VA	800	Eaton HND65K	None
30	NSS	Chiller 1	800	Eaton HND65K	None
30	NSS	Solar Panel	1600	Square D QED	None
30	NSS	Solar Panel	1600	Eaton RD65K	None
30	ESS	30ESS MAIN	1600	Eaton MD5616	None
30	ESS	Spare	400	Eaton HKD 65	None
30	ESS	ARS CR	400	Eaton HKD 66	None
30	ESS	Fire Pump	400	Eaton HKD 67	None
30	ESS	ATS EQ-1	800	Eaton HMDL 65	None
30	ESS	ATS EQ-2	800	Eaton HMDL 65	None
30	G006	Switch Board			14055
30	G006	Panel D3	400	GE High Break TJH4S	14055
30	G006	Panel D1	400	GE High Break TJH4S	14055
30	G006	Panel C1	400	GE High Break TJH4S	14055

30	G006	Panel D2	400	GE High Break TJH4S	14055
30	G006	Spare	400	Versitrip T9UR20S	14055
30	G006	Panel B1	400	Versitrip T9UR20S	14055
30	G006	Panel B2	400	Versitrip T9UR20S	14055
30	G006	Panel B3	400	Versitrip T9UR20S	14055
30	G006	Panel C2	400	GE TJH4S	14055
30	G006	Panel C3	400	GE TJH4S	14055
30	G006	ATS1	400	Versitrip T9UR20S	14055
30	G006	Panel A3	400	Versitrip T9UR20S	14055
30	G006	Panel A2	400	Versitrip T9UR20S	14055
30	G006	Panel A5	400	Versitrip T9UR20S	14055
30	G006	No Name	400	Versitrip T9UR20S	14055
30	G006	Panel A1	400	Versitrip T9UR20S	14055
30	G006	Panel A	400	Versitrip T9UR20S	14055
30	G006	T72-12-N-1	800	Versitrip TA920SLA1	14055
30	G006	No Name	800	Versitrip TA920SLA1	14055
30	G006	64-A2-ATS-CR1-G10	800	2000 plus Russ Electric	78084
30	G006	64-A2-ATS-LS1-G5	800	2000 plus Russ Electric	78085
30	G006	64-A2-ATS-EQ2-G10	800	2000 plus Russ Electric	78086
30	G006	64-A2-ATS-EQ1-G5	800	2000 plus Russ Electric	78087
30	G013	Main	2000	Eaton MDS 620	None
30	G013	Main 30A2XCRP1	400	Eaton HMDL 65	None

30	G013	Main 30 AZX/P2XEQL1 feeds Penthouse Main	400	Eaton HKD 65	None
30	G013	Main 30 AZX/ GZXEQ230-09EC	400	Eaton HKD 65	None
30	G013	30-A2-1125 KVAEQ1	112.5KVA	Eaton DRY type Transformer DT3	None
30	G013	30-A2-1125 KVA	112.5KVA	Eaton DRY type Transformer DT3	None
30	G013	Side of switch gear	250 KVA	Eaton Phase surge supressor	None
42	back of build	Service Disconnect breaker	1200	GE CUA1	NONE
39	A110	MAIN 39MMC	3000	EATON DSII-637	56362
39	A110	DS11-616 PROVISION	0	REMOVED	NONE
39	A110	PUMP 39-SP-2	800	EATON DSII-608	NONE
39	A110	PUMP 39-SP-1	800	EATON DSII-608	56363
39	A110	39-MCC-C-SP-1	800	EATON DSII-608	56364
39	A110	39-MCC-B	800	EATON DSII-608	NONE
39	A110	1200 AMP TRANSFER SWITCH	1600	EATON DSII-616	NONE
39	A110	PANEL 1NLA	800	EATON DSII-608	NONE
39	A110	39-MMC-A	1600	EATON DSII-616	NONE
39	GEN RM	1EDA3012NLD1	800	EATON HMDL65K	56382
39	GEN RM	39-CH-7	400	EATON HKD65K	NONE
39	GEN RM	39-CH-6	400	EATON HKD65K	NONE
39	GEN RM	MAIN	1200	Eaton HND65K	NONE
39	GEN RM	CEP ATS	1200	RUSSELL ELECT MODEL 2000	NONE
39	BOILER RM	MAIN 39-12-NL-C	400	GE SPECTRA RMS	NONE

				SRPG	
39	BOILER RM	MAIN 39-12-NL-D	800	GE SPECTRA RMS SAPK	NONE
39	BOILER RM	39-MED AIR	400	GE SPECTRA RMS SRPG	NONE
39	BOILER RM	39-1Z-NL-C	400	GE SPECTRA SRPG	NONE
39	CHILLER RM	CHILLER ONE 4160VLTS	?	SIEMENS VACCUM BREAKER	56384
39	CHILLER RM	CHILLER TWO 4160VTS	?	SIEMENS VACCUM BREAKER	56500
39	CHILLER RM	CHILLER THREE 4160VTS	?	SIEMENS VACCUM BREAKER	56383
39	CHILLER RM	CHILLER FOUR 4160VTS	?	SIEMENS VACCUM BREAKER	56385
39	CHILLER RM	CHILLER FIVE 4160VTS	?	GE Limitamp CR194C118B2	None
39	CHILLER RM	CHILLER SIX 4160VTS	?	GE Limitamp CR194C118B3	None
1	2D-258	D2AEL-1	400	EATON KD 35K	None
1	2D-258	D2AH	400	EATON KT3400	None
1	2D-256D	2D-XCR-P2A	400	EATON DK 65K	None
1	2D-256D	NR-DA	400	EATON DK 65K	None
1	2D-256D	CR-DA	400	EATON DK 65K	None
1	2D-256D	TX-2D-XCR-P1	400	EATON DK 65K	None
1	1A-114B	CRA	400	EATON DK 65K	None
1	GD-003D	NR-DB	400	EATON DK 65K	None
1	GD-003D	GD-XEQ-P1	300	EATON KT 3400T	None
1	GD-038G	PNLEQ3	600	EATON HLD 65K	None
1	GC-006	NR-BP	400	Eaton HDK65K	None

1	GB-013	EQ-B	400	Eaton HDK65K	None
1	GB-013	NR-B	400	Eaton HDK65K	None
1	GB-013	GB-XLS-L1	300	EATON 3400T	None
1	GA-023A	EQPB-MG-3	600	EATON HDK65K	None
1	GA-023A	EQPB-MG-1	600	EATON HDK65K	None
1	GA-023A	EQPB-MG-2	600	EATON HDK65K	None
1	GA-023A	EQ-B-UPS	600	EATON HDK65K	None
1	PENTHOUSE	MB10	400	EATON HDK65K	None
1	PENTHOUSE	MB8-1	400	EATON HDK65K	None
1	PENTHOUSE	MB8-2	400	EATON HDK65K	None
1	7B-702	EQ-DB-MB10	300	EATON KT 300T	None
1	7B-702	EQ-BP-MB9	400	EATON HDK65K	None
1	6B-603	EQ-BP-MB8	400	EATON HDK65K	None
1	5B-502	1-5W-EQL-1	400	EATON HDK65K	None
1	5B-502	1-5W-NP-1	300	EATON KT 300T	None
1	5B-502	1-5W-CRP-1	300	EATON KT 300T	None
1	5A-562	1-5N-NP-1	300	EATON KT 300T	None
1	4B-416	B4AL SEC 1	400	GE AXT-1B7	None
1	3B-313	MB3	400	EATON HDK65	None
1	3B-313	MDP4-1	600	EATON HLD 65K	None
1	3B-313	MDP4-2	600	EATON HLD 65K	None
1	3B-304	TX	400	EATON HDK65K	None
1	3B-304	SPARE	600	EATON HLD 65K	None
1	3A-314	NR-A	400	EATON HDK 65K	None
1	3A-314	TX-TXCB	400	EATON HDK 65K	None
1	2D-258	D2AL	400	EATON HDK 65K	None

1	SOUTH SUB-E	1S-ESS-M1C	3000	EATON MDS 830	None
1	SOUTH SUB-E	EM-3/EM-1DP	800	EATON MDN 608	None
1	SOUTH SUB-E	BREAKER ATS-CRS2	800	EATON MDN 608	None
1	SOUTH SUB-E	ATS-CR1	800	EATON MDN 608	None
1	SOUTH SUB-E	ATS-LSS1	800	EATON MDN 608	None
1	SOUTH SUB-E	FEEDER F4B	1600	EATON MDN 616	None
1	SOUTH SUB-E	1-MSB-SE1	1600	EATON MDN 616	None
1	SOUTH SUB-E	ATS-EQS-1	1600	EATON MDN 616	None
1	SOUTH SUB-E	SWITCHES ATS LSS-1		RUSSELL ELEC RTBLB-6004CEF	None
1	SOUTH SUB-E	ATS CRS-2		RUSSELL ELEC RTBLB-6004CEF	None
1	SOUTH SUB-E	ATS CRS-1		RUSSELL ELEC RTBLB-6004CEF	None
1	SOUTH SUB-E	ATS-EQS		RUSSELL ELEC RTBLB-6004CEF	None
1	SOUTH SUB-E	PANEL MSB-SE1	NAME		None
1	SOUTH SUB-E	PANEL MA	400	EATON HDK65	None
1	SOUTH SUB-E	4 SPARES	400	EATON HDK65	None
1	GA-023A	GA-XLS-MDP MAIN	400	EATON HKD65K	None
1	GA-23A	A LIFE SAFETY	400	EATON HKD65K	None

1	GA-23A	B LIFE SAFETY	400	EATON HDK65K	None
1	SOUTH SUB-N	SOUTH SUB STATION NORMAL			
1	SOUTH SUB-N	MAIN M1C	4000	EATON MDS 840	None
1	SOUTH SUB-N	1-MSB-SB1	1600	EATON MDN616	None
1	SOUTH SUB-N	SPARE	1600	EATON MDN616	None
1	SOUTH SUB-N	NR-A	1600	EATON MDN616	None
1	SOUTH SUB-N	SPARE	1600	EATON MDN616	None
1	SOUTH SUB-N	SPARE	800	EATON MDN608	None
1	SOUTH SUB-N	MDP-4	1600	EATON MDN616	None
1	SOUTH SUB-N	NR-B	1600	EATON MDN616	None
1	SOUTH SUB-N	BUILDING 2	1600	EATON MDN616	None
1	SOUTH SUB-N	1S-NSS-A MAIN 52-A	4000	EATON MDS 840	None
1	SOUTH SUB-N	1-MSB-SA1	1600	EATON MDN616	None
1	SOUTH SUB-N	ATS-CRS-2	800	EATON MDN608	None
1	SOUTH SUB-N	ATS-EQS-1	1600	EATON MDN616	None
1	SOUTH SUB-N	ATS-CRS-1	800	EATON MDN608	None
1	SOUTH	SPARE	1600	EATON MDN616	None

	SUB-N				
1	SOUTH SUB-N	ATS-LSS-1	800	EATON MDN608	None
1	SOUTH SUB-N	TIE T1C	3000	EATON MDS830	None
1	SOUTH SUB-N	PANEL MSB-SB-1	PANEL NAME		
1	SOUTH SUB-N	GA-NP-1	250	EATON HJK65K	None
1	SOUTH SUB-N	FOUR SPARES	400	EATON HKD65K	None
1		NORTH SUB STATION		RM IN-NSS	NONE
1	NORTH-N	NSS-MAIN MIC	4000	EATON MDS 840	NONE
1	NORTH-N	ATS-CRN-1	800	EATON MDN608	NONE
1	NORTH-N	ATS-LSN-1	800	EATON MDN608	NONE
1	NORTH-N	ATS-CRN-2	1600	EATON MDN616	NONE
1	NORTH-N	ATS-EQN-1	1600	EATON MDN616	NONE
1	NORTH-N	ATS-CRN-3	1600	EATON MDN616	NONE
1	NORTH-N	SPARE	1600	EATON MDN616	NONE
1	NORTH-N	TIE-T5B	3000	EATON MDS830	NONE
1	NORTH-N	NR-C	800	EATON MDN608	NONE
1	NORTH-N	NR-DB	1600	EATON MDN616	NONE
1	NORTH-N	NR-DA	1600	EATON MDN616	NONE
1	NORTH-N	DIP	1600	EATON MDN616	NONE
1	NORTH-N	PANEL LABEL MSB- ND1			NONE
1	NORTH-N	BD-NP-1	250	EATON HJD65K	NONE
1	NORTH-N	SPARE	250	EATON HJD65K	NONE

1	NORTH-E	1N-ESSENTIAL SUB STATION			
1	NORTH-E	1N-ESS MAIN	3000	EATON MDS830	NONE
1	NORTH-E	ATS-LSN-1	800	EATON MDN608	NONE
1	NORTH-E	EMDP-2	1600	EATON MDN616	None
1	NORTH-E	ATS-CRN--3	1600	EATON MDN616	None
1	NORTH-E	ATS-EQN1	1600	EATON MDN616	None
1	NORTH-E	ATS-EQN2	1600	EATON MDN616	None
1	NORTH-E	ATS-CRN2	1600	EATON MDN616	None
1	NORTH-E	SPARE	1600	EATON MDN616	None
1	NORTH-E	ATS-CRN1	800	EATON MDN608	None
1		AUTOMATIC TRANSFER SWITCHES			
1	NORTH-E	ATS-CRN1		RUSSELL ELECT RTBLB-8004CEF	None
1	NORTH-E	ATS-CRN2		RUSSELL ELECT RTBLB-8004CEF	None
1	NORTH-E	ATS-EQN1		RUSSELL ELECT RTBLB-8004CEF	None
1	NORTH-E	ATS-EQN2		RUSSELL ELECT RTBLB-8004CEF	None
1	NORTH-E	ATS-CRN3		RUSSELL ELECT RTBLB-8004CEF	None
1	NORTH-E	ATS-LSN1		RUSSELL ELECT RTBLB-8004CEF	None
1		ELECTRIC ROOM OR BASEMENT			
1		PANEL NDP1	600	SQUARE D-LC600	None
1		DISCONNECT EQL4 SPD	300	SQUARE D	None

1		EQ-3	600	SQUARE D-MG600	NONE
1		USS OR BASEMENT			
1		USS OR MAIN	1600	SQUARE D RJ1600	91832
1		BASEMENT OLD BOILER RM			
1		PANEL NDP1	600	EATON HLC65K	NONE
1		ATS BREAKERS			
1		ATS-13-LS-1	600	EATON HLD65K	NONE
1		ATS-12-EQ-1	600	EATON HLD65K	NONE
1		ATS-14-CR-1	600	EATON HLD65K	NONE
1		ATS-11-EQ-2	600	EATON HLD65K	NONE
1		PANEL MG-5 MAIN	600	EATON L630H	NONE
1		PANEL MG-4 MAIN	600	EATON L630H	NONE
1		AUTOMATIC TRANSFER SWITCHES			
1		PACU ATS-15 EQ-1		EMERSON ASCO 7000	NONE
1		OR CHILLER ATS-11- EQ-2		EATON ATC 600	NONE
1		MG4-5 ATS-12-EQ-1		EATON ATC 600	NONE
1		ELECTRIC PANEL EMDP-2			
1		MAIN	1200	EATON HND65K	NONE
1		1-2D-EQL-1	600	EATON HND65K	NONE
1		BREAKERS ATS-13	600	EATON HLD65K	NONE
1		ATS-14	600	EATON HLD65K	NONE
1		ATS-12	600	EATON HLD65K	NONE
1	NORTH-N	BUSS DUCT BREAKER	?	EATON	NONE

1	NORTH-N	EQDA TO MCC-MG-4	?	EATON	NONE
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38	G027	1NSW-A NORMAL SUB STATION			
38	G027	MAIN	1600	EATON SPB100	56133
38	G027	38-MCC-B	400	EATON HKD65K	56133
38	G027	ATS 1EQ-DB	400	EATON HKD65K	56133
38	G027	ATS 1CR-DA	400	EATON HKD65K	56133
38	G027	ATS 1EQ-DA	400	EATON HKD65K	56133
38	G027	GN-LA	400	EATON HKD65K	56133
38	G026	SUB STATION ESSENTAIL			
38	G026	1ESS-38 MAIN	1600	EATON MDS616	67776
38	G026	1EQDA MAIN	1600	EATON RD65K	67776
38	G026	SPARE	400	EATON HKD65K	67776
38	G026	ATS ILSDA	250	EATON HJD65K	67776
38	G026	ATS 38-MCC-A	400	EATON HKD65K	67776
38	G026	ATS 1CRDA	400	EATON HKD65K	67776
38	G026	ATS EQDA	400	EATON HKD65K	67776
38	G026	AUTOMATIC TRANSFER SWITCHES			
38	G026	ATS-1 EQDA	400	KATOLIGHT MX100	55950
38	G026	ATS-2 1CRDA	400	KATOLIGHT MX100	55951
38	G026	ATS-3 1LSDA	400	KATOLIGHT MX100	55952

38	G026	ATS-4 1EQDB	400	KATOLIGHT MX100	55953
38		POLYTRAMA SUB STAION NORMAL			
38	G401	38-NSS3 MAIN	3200	SQUARE D NW32H1	NONE
38	G401	SPARE	800	SQUARE D NW08H1	NONE
38	G401	ATS-CR-3	800	SQUARE D NW08H1	NONE
38	G401	SPARE	800	SQUARE D NW08H1	NONE
38	G401	SPARE	800	SQUARE D NW08H1	NONE
38	G401	4ND2	1600	SQUARE D NW16H1	NONE
38	G401	ATS-EQ-3	1600	SQUARE D NW16H1	NONE
38	G401	SPARE	1600	SQUARE D NW16H1	NONE
38	G401	38-NSS2 MAIN	3200	SQUARE D NW32H1	NONE
38	G401	FIRE PUMP ATS	800	SQUARE D NW08H1	NONE
38	G401	SPARE	800	SQUARE D NW08H1	NONE
38	G401	ATS-LS2	800	SQUARE D NW08H1	NONE
38	G401	ATS-CR2	800	SQUARE D NW08H1	NONE
38	G401	SPARE	800	SQUARE D NW08H1	NONE
38	G401	4ND1	1600	SQUARE D NW16H1	NONE
38	G401	ATS-EQ2	1600	SQUARE D NW16H1	NONE
38	G401	SPARE	1600	SQUARE D NW16H1	NONE
38	G402	POLYTRAMA SUB STAION ESS			
38	G402	38-ESS-MAIN	3200	SQUARE D NW32H1	NONE
38	G402	SPARE	800	SQUARE D NW08H1	NONE
38	G402	ATS-CR2	800	SQUARE D NW08H1	NONE
38	G402	ATS-LS2	800	SQUARE D NW08H1	NONE

38	G402	ATS-CR3	800	SQUARE D NW08H1	NONE
38	G402	SPARE	800	SQUARE D NW08H1	NONE
38	G402	SPARE	800	SQUARE D NW08H1	NONE
38	G402	ATS-EQ-3	1600	SQUARE D NW16H1	NONE
38	G402	ATS-EQ-2	1600	SQUARE D NW16H1	NONE
38	G402	SPARE	1600	SQUARE D NW16H1	NONE
38	G402	PANEL 4LSD MAIN	400	SQUARE D DJ400	NONE
38	G402	2LSLA	250	SQUARE D LX36200	NONE
38	G402	3LSLA	250	SQUARE D LX36200	NONE
38	G402	AUTOMATIC TRANSFER SWITCHES			
38	G402	ATS LS2		RUSSELL ELECTRIC RT58492EF	NONE
38	G402	ATS CR3		RUSSELL ELECTRIC RT58492EF	NONE
38	G402	ATS CR2		RUSSELL ELECTRIC RT58492EF	NONE
38	G402	ATS EQ2		RUSSELL ELECTRIC RT58492EF	NONE
38	G402	ATS EQ3		RUSSELL ELECTRIC RT58492EF	NONE
38	G402	PANEL 4CRDA			
38	G402	4CRD2	600	SQUARE D DJ600	NONE
38	G402	3CRLC	400	SQUARE D LX36300	NONE
38	G402	3CRLB	250	SQUARE D DJ400	NONE
38	G402	3CLRA	250	SQUARE D DJ400	NONE
38	G402	3CRLG	250	SQUARE D DJ400	NONE
38	G402	PANEL 4CRD1			NONE

38	G402	4CRD1 MAIN	600	SQUARE D DJ600	NONE
38	G402	2CRLB	400	SQUARE D LX36300	NONE
38	G402	2CRLA	250	SQUARE D DJ400	NONE
38	G402	2CRLG	250	SQUARE D DJ400	NONE
38	G402	4EGD1 MAIN	1200	SQUARE D PJ1200	NONE
38	G402	GEQLH	250	SQUARE D LX36200	NONE
38	G402	4EQMCCC	600	SQUARE D DJ600	NONE
38	G402	1EQMCCC	600	SQUARE D DJ600	NONE
38	G402	4EQLC	400	SQUARE D DJ400	NONE
38	G402	4EQD2 MAIN	1200	SQUARE D PJ1200	NONE
38	G402	3EQLA	250	SQUARE D LX36200	NONE
38	G402	4EQMCCG	600	SQUARE D DJ600	NONE
38	G402	4EQLG	400	SQUARE D DJ400	NONE
38	G402	2EQLA	400	SQUARE D DJ400	NONE
38	G402	PANEL 4ND1			
38	G402	GNLH	400	SQUARE D DJ400	NONE
38	G402	2NLA	400	SQUARE D DJ400	NONE
38	G402	2NLB	40	SQUARE D DJ400	NONE
38	G402	2NLC	400	SQUARE D DJ400	NONE
38	G402	PANEL 4ND2			NONE
38	G402	2NLA	400	SQUARE D DJ400	NONE
38	G402	3NLB	400	SQUARE D DJ400	NONE
38	G402	3NLC	400	SQUARE D DJ400	NONE
38	G402	3NLG	400	SQUARE D DJ400	NONE
38	G402	MCCEQMCCG	600	SQ D MICROLOGIC SERIES B	NONE

32		BUILDING 32 SUB STATION			
32	SUB NORMAL	32/63-NSS MAIN	1600	EATON MDS616	NONE
32	SUB NORMAL	SPARE	600	EATON L630H	NONE
32	SUB NORMAL	SPARE	600	EATON L630H	NONE
32	SUB NORMAL	GZ-NL-1	600	EATON L630H	NONE
32	SUB NORMAL	ATS-EQ-1	600	EATON L630H	NONE
32	SUB NORMAL	SPARE	600	EATON L630H	NONE
32	SUB NORMAL	NH1	400	EATON HKD65K	NONE
32	SUB NORMAL	PET SCAN	400	EATON HKD65K	NONE
32	SUB NORMAL	T5 TRANSFORMER	400	EATON HKD65K	NONE
32	SUB NORMAL	ATS-EQ2	400	EATON HKD65K	NONE
32	SUB ESS	ESSENTIAL SUB STAION			
32	SUB ESS	32/63 MAIN	1200	EATON MDS612	NONE

32	SUB ESS	ATS-EQ2	400	EATON HKD65K	NONE
32	SUB ESS	ATS-EQ1	600	EATON L630H	NONE
32	SUB ESS	MRI MOBLE	250	EATON HJD65K	NONE
32	SUB ESS	ATS CR	400	EATON HKD65K	NONE
32	SUB ESS	AUTOMATIC TRANSFER SWITCHES			
32	SUB ESS	ATS-LS		RUSSELL ELECTRIC RTBLB-1004CEF	NONE
32	SUB ESS	ATS-CR		RUSSELL ELECTRIC RTBLB-4004CEF	NONE
32	SUB ESS	ATS-EQ-1		RUSSELL ELECTRIC RTBLB-6004CEF	NONE
32	SUB ESS	ATS-EQ-2		RUSSELL ELECTRIC RTBLB-4004CEF	NONE
32		OLD GENERATOR ROOM			
32		GZXEQ1 MAIN	250	EATON JD35K	NONE
32		GZXEQ1A MAIN	250	EATON JD35K	NONE
32		PENTHOUSE			
32		32 PH2-1	400	GE SRPG400A	NONE
32	32	NL2B	1000	SQUARE D ?	NONE
2		BUILDING 2			
2	G-018	MAIN FROM 1S-NSS	800	EATON MES3800LSI	NONE
2	G-018	MAIN FROM 41-USS	800	EATON MES3800LSI	NONE
2	GD-018	G-NL-2	400	EATON HKD65K	NONE
2	GD-018	G-NL-1	400	EATON HKD65K	NONE
2	GD-018	MCC-MRI	400	EATON HKD65K	NONE
2	GD-018	2-NL-1	400	EATON HKD65K	

		PARKING GARAGE			
		SOLAR	800	SQUARE D NW08N	NONE
		PANEL GDP1	800	SQUARE D PG800	NONE
		GNH1	250	SQUARE D JG250	NONE
		TRAILERS BEHIND BUILDING 68	1200	? COULD NOT GET INTO PANEL	
41	SUB	41 SUB STATION OUTSIDE			
41	SUB	41 MAIN		COULD NOT UNLOCK	NONE
41	SUB	BILD 2 MAIN	800	EATON HND65K	NONE
41	SUB	SPARE	400	EATON HKD65K	NONE
41	SUB	SPARE	400	EATON HKD65K	NONE
41	SUB	POLYTRAMA 68	600	EATON HLD65K	NONE
41	SUB	300 KVA TRANSFORMER	600	EATON HLD65K	NONE
41	SUB	T58-12-NL-314	800	EATON HND65K	NONE
41	SUB	500 KVA TRANSFORMER	800	EATON HND65K	NONE
41	SUB	MAIN 1ZNP-1	800	EATON ND50K	NONE
41	SUB	1ZNP-2	800	EATON LD 35K	NONE
		EMERGENCY DEPARTMENT			
1	1E1121	NERL1	250	EATON JD35K	NONE
1	1E1121	CRER1	250	EATON JD35K	NONE
1	GE-002	USSED SUB			
1	GE-002	USSED MAIN	600	EATON HND65K	NONE
1		AUTOMATIC TRANSFER SWITCHES			
1	1E1121	ATS-LS		EATON ATC 600	NONE

1	GE-003	PANEL EM3			
1	GE-003	ATS-3	400	EATON HKD65K	NONE
1	GE-003	ATS-2	400	EATON HKD65K	NONE
		AUTOMATIC TRANSFER SWITCHES			
1	GE-003	ATS-2 EQ	400	EATON ATC 600	NONE
1	GE-300	ATS-CR	400	EATON ATC 600	NONE