

NORTHERN STATES POWER COMPANY  
PRAIRIE ISLAND NUCLEAR GENERATING PLANT  
UNITS 1 AND 2

USNRC USI A-46 RESOLUTION SSEL AND  
RELAY EVALUATION REPORT

REVISION 0

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Units 1 and 2  
USNRC USI A-46 Resolution SSEL and  
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## **1.0 INTRODUCTION**

This report is issued to address USNRC Unresolved Safety Issue A-46, "Seismic Qualification of Equipment in Operating Nuclear Power Plants," for the Northern States Power Company Prairie Island Nuclear Generating Plant Units 1 and 2. The following discussion provides a general explanation of the methods used to address USI A-46.

### **1.1 Unresolved Safety Issue (USI) A-46**

USNRC Unresolved Safety Issue A-46, "Seismic Qualification of Equipment in Operating Nuclear Power Plants," identifies a potential safety concern regarding the seismic qualification of equipment in operating nuclear power plants. This unresolved safety issue identifies a possible scenario whereby seismically induced equipment failure could adversely impact a plant's ability to achieve and maintain safe shutdown. In addition, this issue questions impact of electrical contact chatter resulting from SSE motion of relays upon the operation of electrically controlled plant equipment. Contact chatter may result from motion to sensitive electrical contacting devices such as electro-mechanical relays. Relays are typically utilized in electrical control schemes for various plant applications and equipment. As relays are used in great numbers at nuclear sites, this creates the potential for common mode failure among relays of similar construction which are prone to contact chatter. The following report addresses USI A-46 issues for Northern States Power Company's Prairie Island Nuclear Generating Plant Units 1 and 2.

### **1.2 USI A-46/SQUG Methodology**

In response to USI A-46, the Seismic Qualification Utility Group (SQUG) developed a methodology to address safety issues regarding seismic qualification of equipment in operating nuclear plants. The SQUG developed methodology is documented in Generic Implementation Procedure (GIP) "Seismic Verification of Nuclear Plant Equipment" Revision 2, Electric Power Research Institute (EPRI) report NP-5228, "Seismic Verification of Nuclear Plant Equipment Anchorage," and EPRI report NP-7148-SL, "Procedure of Evaluating Nuclear Power Plant Relay Seismic Functionality."

The SQUG methodology entails systems analysis to select a subset of plant systems and equipment (components) necessary to achieve and maintain safe shutdown from a normal plant operating condition and assuming a loss of offsite power. This subset of systems and components is utilized to create a Safe Shutdown Equipment List (SSEL). Seismic review and/or relay evaluation is conducted as applicable to ensure the adequacy of the selected safe shutdown systems and equipment following an SSE. Each SSEL component is designated for seismic evaluation and/or relay evaluation based upon component type, functional and operational characteristics as defined by the GIP.

For each safe shutdown component identified as requiring seismic evaluation, analysis for structural integrity is performed to establish that the component is adequately anchored such that it can withstand the expected SSE motion postulated for its location and elevation without sustaining structural damage.

For each safe shutdown component identified as requiring relay evaluation, initial relay screening is performed to identify relays which support the associated SSEL component. Any device with electrical contacts is considered a relay for purposes of the initial screening. These relays are classified as essential or non essential by considering the effects of contact chatter upon the required safe shutdown function of the associated SSEL component. Essential relays are those relays for which contact chatter could adversely impact the safe shutdown function of the associated SSEL component(s). Essential relays are reviewed to establish that their seismic capacity (the level of seismic motion that a specific model or family of relay can experience without exhibiting contact chatter) is not exceeded by the seismic demand (the expected seismic motion of the plant installed relay based upon location and elevation). Non essential relays are those relays for which contact chatter could not adversely impact the safe shutdown function of the associated SSEL component(s). Non essential relays include devices such as mechanically actuated switches which are considered to be seismically rugged and therefore non vulnerable to contact chatter.

The goal of performing seismic and/or relay evaluation for applicable SSEL components is to identify a subset of SSEL components and/or associated relays which are subject to malfunction (e.g., structural damage to components, or contact chatter of relays respectively) due to an SSE. This list may also include SSEL components and/or relays for which the effect of an SSE cannot be determined. These components and/or relays are classified as "outliers" per GIP terminology and are subject to further analysis by the utility. For each outlier, further analysis is required to justify the existing configuration or develop a plan for resolution.

## 2.0 SCOPE

The scope of this report is to present the results of the safe shutdown system selection, Safe Shutdown Equipment List (SSEL) development, and subsequent relay review performed for the Northern States Power Company Prairie Island Nuclear Generating Plant to address USNRC Unresolved Safety Issue A-46, "Seismic Qualification of Equipment in Operating Nuclear Plants."

Organization of this report is consistent with the format and content guidelines established in Section 9 of the GIP, "Documentation." The EPM scope of activity for the NSP Prairie Island USI A-46 analysis was limited to Safe Shutdown Equipment List (SSEL) review, and subsequent relay evaluation. As such, several documentation topics identified by Section 9 of the GIP are not included in this report as described in the following paragraphs.

Seismic evaluation of SSEL components for structural anchorage concerns will be addressed by the firm of Stevenson & Associates, Inc. (S&A) and is therefore not addressed by this report. Other than seismic demand values for racks and panels housing essential relays as provided to EPM by S&A, no seismic analysis results or equipment outliers will be identified in this report. S&A will issue a report documenting the data obtained from seismic evaluation of SSEL components for structural anchorage concerns.

Outlier relays will be identified in this report. However, it is not within the scope of this report to provide Outlier Seismic Verification Sheets (OSVS), an explanation of the safety implications of not resolving outlier relays, or a final resolution of outlier relays.

### 3.0 SAFE SHUTDOWN EQUIPMENT LIST (SSEL) REPORT

This section identifies the plant systems and equipment credited for USI A-46 safe shutdown. Prairie Island Nuclear Generating Plant Units 1 and 2 are Westinghouse design pressurized water reactors. Units 1 and 2 are physically separate but essentially identical with respect to the frontline systems, support systems, and components credited for USI A-46 safe shutdown. Both units are operated from a common control room. In addition, several support systems are shared or common between units such as the Safeguards Cooling Water System and the Control Room Ventilation Systems.

The USI-A-46 Safe Shutdown List encompasses 1100 components. The Safe Shutdown List includes components specific to Units 1 and 2 as well as any components common to both units. Of these, 687 are identified for seismic review and 394 are identified for relay review. An SSEL component may require either seismic and/or relay review. In addition to seismic and relay evaluation types, the SSEL uses a third evaluation type called "IEEE 344" to identify equipment which has been qualified Class 1E, IEEE 344. Equipment with the "IEEE 344" evaluation type was analyzed in the same manner as equipment with the "Seismic" evaluation type.

The following documentation is provided for this section as specified by GIP Sections 3.8 and 9.0.

- 1) Summary of plant systems including safe shutdown sequence diagrams selected for USI A-46 safe shutdown following a Safe Shutdown Earthquake;
- 2) Scope of equipment included on the Safe Shutdown Equipment Lists (SSEL) for each safe shutdown system. The SSEL scope is briefly defined in the text which follows.
- 3) Results of NSP Prairie Island Nuclear Plant Operations Department review for SSEL compatibility with plant operating procedures; and
- 4) Safe Shutdown Equipment Lists: Computer generated lists of Safe Shutdown components required for the shutdown of each unit including common system components. One list is presented for both units and contains all components necessary for the shutdown of that unit. The list is sorted by unit (Common, Unit 1, and Unit 2) in ascending order by system and component ID;
  - a) Composite SSEL - all SSEL components identified;
  - b) Seismic Review SSEL - subset of SSEL components identified for seismic review;
  - c) Relay Review SSEL - subset of SSEL components identified for relay review.

The above listed USI A-46 safe shutdown sequence drawings and SSEL lists are located in Section 6.0, "Attachments." Cumulatively, these lists provide all necessary data to create a complete and auditable record of SSEL development.

### 3.1 Methodology Utilized for Selection of USI A-46 Safe Shutdown Systems

The SSEL was developed by NSP Operations and was then transmitted to EPM as the basis for further analysis (relay screening and evaluation). The Methodology utilized by Northern States Power Company to perform the safe shutdown systems selection is consistent with the methodology described in the Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment, Revision 2, February 1992. The specific methodology used by NSP Operations to develop the SSEL is documented by "NSP Internal Correspondence; Subject, Safe Shutdown Equipment List Methodology, from Pete Valtakis to Al Kuroyama, dated November 6, 1995." A copy of this document is included in this report immediately following the listing of references in Section 5

The Safe Shutdown Functions identified in the GIP were used as the basis for the development of the Safe Shutdown Equipment List. Once the Safe Shutdown Functions were defined, various alternative methods or paths which could be used to accomplish each of the four functions were defined.

A preferred safe shutdown method was selected from the available alternatives. System flow, logic and schematic drawings were then reviewed to determine the components necessary to perform the required safe shutdown functions including the required supporting functions. The components selected comprised the Safe Shutdown Equipment List (SSEL). Similar safe shutdown systems were selected for Units 1 and 2. A review of applicable plant procedures was then performed to verify compatibility with plant operations.

The text which follows provides a summary of the safe shutdown systems selected for USI A-46.

### 3.2 Summary/Scope of Safe Shutdown Systems

Pressurized water reactors (PWRs) have several paths or methods which can be used to bring the plant to a safe shutdown condition. The Generic Implementation Procedure identifies four functions necessary to achieve safe shutdown:

- 1) Reactor Reactivity Control (RRC)
- 2) Reactor Coolant Pressure Control (RPC)
- 3) Reactor Coolant Inventory Control (RIC)
- 4) Decay Heat Removal (DHR)

Prairie Island Nuclear Generating Plant is a two unit site with several shared systems. NSP operations personnel performed the system selection to meet the above functions for the Prairie Island Nuclear Generating Plant. The following discussion provides a description of the selected systems. The systems include safe shutdown auxiliaries for frontline systems and plant monitoring instruments necessary to support safe shutdown. These system descriptions establish the required function(s) for each safe shutdown system selected and define the overall scope of safe shutdown



system selection. The minimum subset of equipment identified in the SSEL has been chosen because of its inherent ruggedness and simplicity of control in order to minimize the amount of equipment under scrutiny and to maximize the potential for a successful USI A-46 SQUG evaluation.

Per Section 3 of the GIF, "If a Safe Shutdown Earthquake occurs, it is not necessary to use only the safe shutdown equipment identified for the Unresolved Safety Issue A-46. The operator may attempt shutdown using other available systems and equipment provided these other means of shutting down do not prevent the later use of the safe shutdown method identified for USI A-46 program....it is not the intent (of the GIF) that the operator be directed to use the USI A-46 shutdown path as his first priority or to change the symptom-based emergency operating procedures."

### 3.2.1 Reactor Reactivity Control

Two independent reactivity control systems are provided, one involving rod cluster control (RCC) assemblies and the other involving the injection of soluble poison via the Chemical Volume Control System (CVCS). The reactivity control systems provided are capable of making and holding the core subcritical from any hot standby or hot operating condition.

The RCC assemblies are divided into two categories comprising of control and shutdown rod groups. Upon demand for the hot shutdown conditions, insertion of both the control and shutdown groups of RCC assemblies will immediately make the reactor subcritical from any hot standby or hot operating condition. Subsequent injection of soluble poison (CVCS) is then used to assure continuation of hot shutdown. The injection of a soluble poison is maintained by boron injection using a charging pump at minimum speed. The Refueling Water Storage Tank (RWST) is the source of borated water for the charging pump and contains a minimum Boron concentration of 1950 ppm.

### 3.2.2 Reactor Coolant Pressure Control

The pressurizer maintains the required reactor coolant pressure during steady state operation, limits the pressure changes caused by coolant thermal expansion and contraction during normal load transients and prevents the pressure in the Reactor Coolant System from exceeding design pressure.

The pressurizer vessel contains replaceable direct immersion heaters, multiple safety and relief valves, a spray nozzle and interconnecting piping valves and instrumentation. The electric heaters are located in the lower section of the pressurizer vessel. Backup heater groups A and B have the capability to be powered from the Emergency Diesel Generators and would be available after a seismic event. The pressurizer heaters are utilized to maintain the pressurizer saturation temperature sufficiently above the primary coolant loops temperature to ensure adequate primary system sub-cooling is maintained throughout the event.

The Reactor Coolant System is protected against overpressure by safety valves located on the top of the pressurizer. The safety valves on the pressurizer are sized to prevent system pressure from exceeding the design pressure by more than 10 percent. Steam discharged from the safety relief valves passes to the pressurizer relief tank which is partially filled with water at or near ambient conditions

The combination of the safety valves and immersion heaters provides adequate pressure control of the Reactor Coolant System.

### 3.2.3 Reactor Coolant System Inventory Control

The safe shutdown method for maintaining reactor coolant system inventory control is as shown in the figures of Attachment B. Reactor coolant makeup is provided through the Chemical and Volume Control System (CVCS).

During the early portion of the shutdown, significant decay heat would be imparted to the primary coolant system. Minor primary system shrinkage would occur during this period requiring minimal reactor coolant makeup. During this phase, reactor coolant makeup would be injected through the reactor coolant pump seals by means of a positive displacement charging pump operating at minimum speed.

Since minimal reactor coolant shrinkage is experienced during this time period the potential exists to fill the pressurizer solid. In order to prevent a solid pressurizer, letdown through the reactor vessel head vents to the PRT will be utilized.

For a shutdown from cold core condition, significant reactor coolant shrinkage will occur and the makeup capability of the positive displacement charging pump operating at minimum speed will no longer be adequate to account for the primary system shrinkage. In order to ensure that adequate makeup is available to account for the required increase in demand, compressed gas bottles will be installed to allow continued local charging pump speed control.

Charging pumps are initially lined up to take suction from the VCT. Should instrument air be lost as a result of a seismic event, the suction path will be manually transferred to the RWST. While the primary makeup path is through the reactor coolant pump seals, the reactor coolant cold leg injection path will also be utilized as the event progresses to account for the increased charging demand due to primary coolant shrinkage. Charging through the RCP seals will be maintained throughout the event should thermal barrier cooling of the RCP seals be affected.

### 3.2.4 Decay Heat Removal

The safe shutdown method for removing decay heat is shown in the figure of Attachment B.

Decay heat is removed from the core through natural circulation of the primary system fluid. As the primary reactor coolant passes through the steam generators, heat is then transferred to the secondary side fluid. The secondary side fluid is in turn boiled off and steam is released through the steam Generator Power Operated Relief Valves. Secondary side fluid is maintained by the Turbine Driven Auxiliary Feedwater Pump (TDAFW) which takes suction from the cooling water system. The motor driven auxiliary feedwater pump is available as the alternate path.

### 3.2.5 Support Systems

The following systems are required to support the frontline systems necessary to meet the safe shutdown functions.

#### Safeguards Cooling Water

The Safeguards Cooling Water System at Prairie Island Nuclear Generating Plant is a common system feeding both units. Diesel driven cooling water pumps receive a start signal on low cooling water header pressure. The cooling water system provides the makeup supply source to the Auxiliary Feedwater systems of both units for provide steam generator inventory control. In addition, the Safeguards Cooling Water System provides cooling water to the containment cooling fan-coil units of both units, motor driven auxiliary feedwater pump fan-coil units of both units, the diesel auxiliaries for diesel generators D1 and D2 of Unit 1, the control room chiller units common to both units, and the relay room fan-coil units common to both units. Diesel generators D5/D6 are provided with dedicated cooling water systems. The heat collected by the D5/D6 cooling water systems are rejected through radiators.

#### Diesel Generator

Emergency backup power for safeguards buses is provided by the four diesel generator units. Each emergency generator supplies one safeguard bus for each unit as shown below:

<u>Diesel No.</u>	<u>Unit No.</u>	<u>4.16kV Bus</u>
1	1	15
2	1	16
5	2	25
6	2	26

The diesel generators are sized so that either diesel of one unit is capable of supplying power for one complete set of engineered safeguards of one unit plus the power for a concurrent hot shutdown of the other unit.

#### 4.16kV and 480V Safeguards Electrical System

The station safeguards electrical distribution system including 4.16kV Switchgear Buses, Bus Load Sequencers, 480VAC Load Centers, and 480VAC Motor Control Centers and Circuit Breakers are required to provide motive power to various safe shutdown components (eg, pumps, valves, fans etc).

Onsite emergency diesel generators provide power to the 4.16 kV Buses which in turn feed the 480VAC Load Center Buses and various safeguards 480VAC Motor Control Centers required to power safe shutdown equipment.

Instrument AC Distribution

The Instrument AC Distribution System supplies single phase 120 VAC power to plant instrumentation. Inverters are used to supply regulated AC power while minimizing the chance of a loss of power.

Each inverter has a normal AC source. The AC supply is rectified to DC and re-converted to AC. In the inverter DC section, a battery backed DC supply is paralleled to the rectified DC. Should the normal source fail, the external DC will then supply the inverter and its loads without interruption. If the inverter output fails the load can be supplied from an external alternate AC source. However, for loss of offsite power events, the DC backup is credited.

The following inverters are credited following a seismic event.

<u>Unit</u>	<u>Inverter</u>	<u>DC Backup</u>
1	11	11
1	12	12
1	13	11
1	17	11
1	18	12
2	21	21
2	22	22
2	23	21
2	27	21
2	28	22

DC Distribution System

The 125 VDC distribution system including batteries, chargers and control boards are required to provide the necessary control and instrumentation power for the operation of frontline systems necessary to support safe shutdown functions.

HVAC/Room Cooling

Ventilation and cooling systems are provided to certain areas and equipment in the plant to ensure cooling and ventilation is available to the safeguards equipment and areas required for maintaining the plant in a safe condition following an accident or event. Each system required during a seismic event is discussed in more detail below.

Control and Relay Rooms

The Control Room Chilled Water and Ventilation Systems consists of two trains of closed loop water chillers and air handling units. Each water chiller supplies one Control Room air handler and two Relay Room fan-coil units. The water chillers are supplied with cooling

water from the Safeguards Cooling Water System. Each air handler supplies one end of the Control Room ventilation duct which distributes air to both the Control and Relay Rooms. Only the recirculation mode of ventilation is credited for the Control Room during a seismic event. The Relay Room does not require recirculation of air from the Control Room ventilation duct but only requires the cooling provided by two of the four Relay Room fan-coil units.

#### D1/D2 Diesel Generator Room Ventilation

The D1/D2 Diesel Generator Room Ventilation System is divided into two trains which share a common supply duct from the outside atmosphere. Train A provides ventilation to D1 Room and Train B provides ventilation to D2 Room. Each train consists of one supply fan and one exhaust fan.

The common supply duct contains a single fail-open supply damper which is opened by the activation of either ventilation train. Diesel generator room ventilation operation is initiated when the associated DG reaches a speed of 250 rpm.

#### Screenhouse Safeguards Ventilation

The Screenhouse houses the diesel driven cooling water pumps for the Safeguards Cooling Water System which is shared by both Units 1 and 2. The Screenhouse Safeguards Ventilation System consists of two roof exhaust fans, two screenhouse diesel engine supply fans, two scavenging and combustion air dampers and the associated ducting and dampers.

During normal plant operation, the Screenhouse Safeguards Ventilation Systems are idle and maintained in an automatic condition awaiting a diesel driven pump start..

#### D5/D6 Diesel Generator Building Ventilation

The D5/D6 Diesel Generator Building Ventilation System consists of two HVAC trains with each train dedicated to the respective diesel generator building. Each train consists of one diesel generator room normal mode vent fan, one diesel generator room vent fan, one lube oil tank room exhaust fan, one fuel oil day tank room exhaust fan, two building supply fans, two building return fans, one diesel generator control room auxiliary cooling unit, one 480V switchgear room cooling unit, motor operated dampers and several electric heaters.

### **3.2.6 Safe Shutdown Plant Monitoring Instruments**

Process monitoring instrumentation is necessary to support the previously discussed safe shutdown functions for both Units 1 and 2. The following instruments have been credited to operate after a seismic event.

- Unit 1 and 2 Reactor Coolant Loop Pressurizer Level Trains A and B
- Unit 1 and 2 Reactor Coolant Loop Pressurizer Pressure Trains A and B
- Unit 1 and 2 Reactor Vessel Level Indicating System Trains A and B

- 11(21) Steam Generator Loop A Wide Range Level
- 12(22) Steam Generator Loop B Wide Range Level
- Unit 1 and 2 Reactor Coolant Loop A Hot Leg Temperature
- Unit 1 and 2 Reactor Coolant Loop B Hot Leg Temperature
- 11(21) Steam Generator Loop A Pressure
- 12(22) Steam Generator Loop B Pressure
- Aux Feedwater Flow to Steam Generators (11, 12, 21, 22)
- Unit 1 and 2 Excore Neutron Flux Detection Trains A and B
- Unit 1 and 2 Refueling Water Storage Tank Level Trains A and B
- Seal Water Injection Flow to Reactor Coolant Pump (11, 12, 21, 22)
- Unit 1 and 2 Volume Control Tank Level\*\*

\*\* For VCT level, redundant indication is not credited and is not needed. NSP Operations is instructed to transfer charging pump suction to the RWST immediately following the seismic event if instrument air is lost (letdown paths isolated) or VCT level indication is unavailable.

### 3.3 NSP Operations Department Review of USI A-46 Safe Shutdown Methodology

The NSP Operations Department conducted a review to ensure the legitimacy of the USI A-46 safe shutdown paths selected and confirm their compatibility with plant normal, abnormal, and emergency operating procedures and operator training. Two methods were utilized by NSP Operations to perform this review.

The first method of USI A-46 safe shutdown system verification involved a "table top" procedure review. This review was conducted by a licensed Senior Reactor Operator (SRO) familiar with the general criteria and governing assumptions defined in Section 3.2 of the GIP. Equipment called out in plant procedures for the identified safe shutdown paths was verified to be included in the equipment list credited for USI A-46 safe shutdown. It was also verified that no set of USI A-46 assumed plant conditions could be identified from which an operating crew could not recover using the USI A-46 credited safe shutdown systems.

The second method of USI A-46 safe shutdown system verification involved a simulator validation of crew response to a loss of offsite power with nearly simultaneous failure of non-safe shutdown systems. Two simulations were run, each scenario assuming a different core condition.

The NSP Operations Department review concluded that the USI A-46 safe shutdown systems were acceptable. This review is documented by "NSP Internal Correspondence; Subject, Safe Shutdown Equipment List Methodology, from Pete Valtakis to Al Kuroyama, dated November 6, 1995." A copy of this document is included in this report immediately following the listing of references in Section 5.

### 3.4 Explanation of Safe Shutdown Equipment Lists (SSEL)

This section will briefly explain the format of each computer generated SSEL list. Three SSEL lists are provided as defined by the "SSEL Report" guidelines from Section 9 of the GIP. To

provide for consistency and ease of review, all report computer generated lists are sorted by component ID in ascending order by system.

The first list is the "Composite SSEL," Attachment C. This is a composite listing of all 1100 SSEL components identified for USI A-46 safe shutdown. This list encompasses all components identified for seismic and/or relay review. In addition, this list includes "rule of box" (ROB) SSEL components. For clarification, the "rule of the box" applies to sub-components which are generally mounted to (or within) a larger component, skid, or panel (i.e., the "box" could be a diesel generator, switchgear enclosure, motor control center, or valve assembly). Seismic review performed for the "box" encompasses all sub-components within, therefore individual seismic review is not required for "rule of the box" sub-components. Specific fields provided in Composite SSEL are as follows in the order which they appear:

- 1) Unit - The unit which the SSEL component is associated with, "U0SSEL" = Common to both Unit 1 and 2, "U1SSEL" = Unit 1, and "U2SSEL" = Unit 2.
- 2) System - The plant system which the SSEL component is associated with.
- 3) Equipment Class - The SQUG equipment class assigned from Table 3-1 of the GIP.
- 4) Main Equipment Designation - Component identifier.
- 5) Description - Component description.
- 6) Building - Component building location.
- 7) Elevation - Component elevation.
- 8) Location - Component grid location.
- 9) Box - If applicable, the rack, panel, skid or assembly in which the SSEL component is located.
- 10) SQUG Evaluation Type - Answered "Relay" and/or "Seismic" or "IEEE 344" or "ROB." Defines evaluation requirements per GIP/NSP methodology.
- 11) Normal Component Position/Status - Pre SSE position/status during normal plant operation.
- 12) Desired Component Position/Status - USI A-46 safe shutdown desired position/status.
- 13) Power Required - Answered "Y" if electrical power is required to support safe shutdown function, "N" if not.
- 14) Flow Diagram - If applicable, NSP P&IDs used to identify and classify the SSEL component.

- 15) Logic Diagram - If applicable, NSP logic diagrams used to identify and classify the SSEL component.

The second and third lists are the "**Seismic Review SSEL**", Attachment D, and the "**Relay Review SSEL**", Attachment E. These are lists of 687 SSEL components identified for seismic review and 394 SSEL components listed for relay review respectively. Specific fields provided in this list are the same as provided in the "**Composite SSEL**."

Additional information such as system train, associated component, and drawing references are identified for each relay review SSEL component on the SSEL component data sheets provided in Attachment J. SSEL component data sheets are combined with relay evaluation data sheets as applicable to form one report. These data sheets are discussed in further detail in the relay evaluation report section which follows.



#### 4.0 RELAY EVALUATION REPORT

A total of 1786 relays (1366 non essential and 420 essential) were selected for the components on the relay review SSEL. These 1785 relays may each have been associated to one or more SSEL component. Relays associated to multiple components were classified as essential or non essential for each component. Relay classification depended upon the impact of contact chatter to the specific safe shutdown function of each associated component.

This section identifies the results from the functional screening of relays which affect components on the relay review SSEL. The following documentation is provided for this section as specified by GIP Sections 6.7 and 9.0.

- 1) Relay review SSEL (defined in Section 3.4 of this report);
- 2) List of cabinets/panels which house essential relays;
- 3) List of all 1786 relays (essential and non essential) identified as supporting relay review SSEL components;
- 4) Condensed list of all essential relays associated with components on the relay review SSEL, including screening and capacity results for each relay as applicable;
- 5) List of all outlier relays (including low ruggedness relays utilized in essential applications);
- 6) Data sheets for each of 394 SSEL relay review components, with corresponding relay data sheets as applicable.

The above listed data sheets and relay lists are located in Section 6.0, "Attachments." Documentation of relay evaluation was accomplished via the use of a computerized database. Lists and data sheets are computer generated reports extracted from this database. Although not identical to the suggested format of EPRI NP-7148-SL Form G.4, the overall content of these lists and data sheets follows suggested guidelines. Cumulatively, these lists and data sheets provide all necessary data to create a complete and auditable record of relay evaluation for USI A-46.

#### 4.1 Methodology Utilized for Relay Evaluation

The methodology utilized by EPM to perform relay evaluation for relay review SSEL components was similar to that described by Section 3, "Identification of Safe Shutdown Equipment," of the Generic Implementation Procedure, "Seismic Verification of Nuclear Plant Equipment," and EPRI report NP-7148-SL, "Procedure for Evaluating Nuclear Power Plant Relay Seismic Functionality." In addition, EPM Project Procedure P999-000-001 Revision 1, "Safe Shutdown Equipment and Relay List Development for Unresolved Safety Issue (USI) A-46," was utilized to provide guidance regarding engineering workflow and the specific documentation requirements for relay screening and capacity evaluation. No significant or programmatic deviations were made from GIP methodology.

For clarification, assignment of the relay review evaluation type designation to SSEL components was made by both NSP and EPM after review of Composite SSEL. The relay review designation was assigned to major SSEL components, skids, or instrument loops such that relay review was not repeated for supporting components. Relay review was not specified for solenoid valves which support major SSEL components. However, relay review performed for the major SSEL component included those relays required by the supporting solenoid valve(s). All relays were associated directly to the major SSEL component. Major SSEL components included air-operated valves, air-operated dampers, diesel generator skids, pumps, air handling skids (unit coolers and/or chillers). Relay review for instrumentation was specified for the sensing instrument only (i.e., transmitters, detectors, etc.). Relays identified as supporting an instrument loop, if any, were associated directly to the sensing instrument.

Relay review for the following electrical distribution equipment was determined not to be required after a review of the applicable PI1 and PI2 electrical one-line drawings. These electrical distribution circuits utilize local manually controlled connecting devices such as fused disconnects and/or molded case circuit breakers which are non-vulnerable to seismically induced contact chatter.

- 480 VAC Motor Control Center (MCC) feeds to 120 VAC Panels and Inverters
- 480 VAC Motor Control Center (MCC) feeds to 125 VDC Battery Chargers
- 120 VAC Distribution Panels
- 125 VDC Distribution Panels

Relay review for 125 VDC Battery Chargers and 120 VAC Inverters was determined not to be required after a review of the applicable PI1 and PI2 electrical schematics. These components utilize static devices such as transformers, rectifiers, and solid state static switches which are non-vulnerable to seismically induced contact chatter. The few relays which do interface with these components are utilized for indication only.

Per NSP, the following electrical distribution equipment credited by the A-46 SSEL was recently installed in the plant and is qualified Class 1E, IEEE-344. The relays contained within this equipment are also qualified Class 1E, IEEE-344. Switchgear/breaker control is likely to interface with pre-existing plant systems, therefore an abbreviated form of relay selection was performed for switchgear and load center buses to evaluate only those relays located externally to the Class 1E enclosure. Relay review was not performed for D5 and auxiliaries, D6 and auxiliaries, or the Bus Load Sequencers.

D5 and all auxiliaries	
D6 and all auxiliaries	
BUS 15 (Bus extension only)	BUS 25
BUS 16 (Bus extension only)	BUS 26
BUS 111	BUS 211
BUS 112	BUS 212
BUS 121	BUS 221
BUS 122	BUS 222
B15 Load Sequencer	B25 Load Sequencer
B16 Load Sequencer	B26 Load Sequencer

#### 4.2 Utilization of Switchgear Screening Data

Screening techniques provided by EPRI GERS-MVS/LVS.7, "Generic Equipment Ruggedness Spectra for Switchgear (Medium Voltage, Metal Clad) (Low Voltage, Metal Enclosed)," dated 2/1/91, were not utilized. However, the following guidelines were utilized regarding circuit breaker classification. Molded case circuit breakers were generically considered to be non vulnerable to contact chatter because of the significant seismic forces required to spuriously operate these devices. Devices with electrical contacts such as mechanically actuated breaker position switches were assumed to be non vulnerable and were therefore not identified in the database. It was assumed that seismic review of switchgear performed by Stevenson & Associates would identify any potential for a change of state in the electrical contacts of these mechanically actuated devices resulting from movement between a breaker and its enclosure.

#### 4.3 Relay Walkdown and Mounting Spot Checks

As described by "Stevenson & Associates Facsimile Transmission 93C2807-LSS1-008; Subject, Relay Spot Check Notes for Walkdown of Cabinets Containing Essential Relays, from T. J. Tracy to C. Pellizzari, dated November 8, 1995," a relay walkdown was conducted at PI1 and PI2 to perform spot checks for essential relay mounting and model numbers. Approximately 9 relays were checked in 5 plant panels. The results of the walkdowns are documented on the Screening Evaluation Work Sheets (SEWS) for the respective panels. The overall results of these spot checks determined that relays were mounted acceptably and that the installed relay model numbers were consistent with those used in the evaluation of essential relays.

#### 4.4 Explanation of Relay Evaluation Reports

A total of 1786 relays (non essential and essential) were selected for all components on the relay review SSEL. These 1786 relays may each have been associated to one or more components. A relay associated to multiple components was classified as essential or non essential for each associated component. Relay classification depended upon the impact of contact chatter to the specific safe shutdown function of each associated component.

This section will briefly explain the format of the computer generated relay lists and data sheets which follow. The relay lists provided are defined by the "SSEL Report" guidelines from Section 9 of the GIP. To provide for consistency and ease of review, all report computer generated lists are sorted by component ID in ascending order by system unless otherwise defined.

The first list is the "**Relay Review SSEL**", Attachment E. This list was previously defined in Section 3.4 of this report.

The second list is "**List of Panels Containing Essential Relays**," Attachment F. This is a listing of 79 SSEL panels sorted by ID. Plant locations for all essential relays are summarized by this list. Specific fields are provided in this list as follow in the order which they appear:

- 1) Main Equipment Designation - Component identifier.
- 2) Description - Component description.
- 3) Equipment Class - The SQUG equipment class assigned from Table 3-1 of the GIP.
- 4) Building - Component building location.
- 5) Elevation - Component elevation.
- 6) Location - Component grid location.

The third list is "USI A-46 Relays," Attachment G. This is an overall list of all 1786 relays (essential and non essential) identified as supporting relay review SSEL components sorted by ID. Specific fields are provided in this list as follow in the order which they appear:

- 1) Main Equipment Designation - Relay ID.
- 2) Manufacturer Designation - Relay manufacturer. For non essential relays, this data is not critical.
- 3) Manufacturer Part/Model Number - Relay model/part number. For non essential relays, this data is not critical.
- 4) Relay Type - SQUG methodology considers any device with electrical contacts to be a relay. This field provides a generic type identifier to further define each relay by functional characteristics as follows: Relay (RLY), Control Switch (CS), Contactor (CONT), Operator (OP), or Instrument (INST). Relay type "OP" was used to indicate valve assembly limit and torque switches.
- 5) Low Ruggedness Relay - This field identifies if the evaluated relay is a low ruggedness relay. Answered "Y" if the relay model number (and contact configuration where applicable) are identified in Table 6.2 of EPRI Report NP-7147-SL and relay is essential.
- 6) Rack/Panel - The rack, panel, or assembly in which the evaluated relay is located. For non essential relays the field is typically null, however, the data is not critical.
- 7) Relay for Equipment - The relay review SSEL component ID(s) to which the relay has been associated. A single relay may be associated to multiple SSEL components.
- 8) Essential - This field identifies the classification of the relay for each associated relay review SSEL component ID. "Y" is essential, "N" is non essential.
- 9) Satisfactory - For essential relays, a "Y" indicates that the relay seismic capacity meets or exceeds the location specific plant seismic demand. An "N" indicates that

the demand exceeds capacity, that the relay is a low ruggedness relay, or that the status is unknown as relay seismic capacity is unavailable for comparison to demand. Relays with "N" entries are classified as outliers. For non essential relays, this field is always answered "Y."

- 10) Reason Code - Essential relays that are determined to be satisfactory are assigned the reason code "GERS". This reason code signifies that the relay seismic capacity was obtained from the EPRI GERS or other referenced source document. Essential relays not found to be satisfactory (outliers) are assigned the reason code "CR." This reason code signifies that further action is required to address contact chatter or to determine the seismic capacity for a specific manufacturer model number relay not encompassed by the EPRI GERS or other referenced source document. Essential relays mounted on reciprocating engine skids were assigned the reason code "NV."

For non essential relays, this field is answered with a "CA" or "NV." Respectively, these codes signify that contact chatter was evaluated not to have an adverse impact upon the safe shutdown function of the associated SSEL component or that the relay was identified as an inherently rugged device non vulnerable to contact chatter such as a mechanically actuated switch.

- 11) Outlier - Answered "Y" if relay demand exceeds capacity, if the relay is a low ruggedness relay, or if the relay seismic capacity is unavailable. Answered "N" if relay seismic capacity meets or exceeds the location specific plant seismic demand.
- 12) Reference Drawings - NSP drawings used to screen and classify relays.

The fourth list is the "**Condensed List of Essential Relays**," Attachment H. This is a list (sorted by rack/panel) of 420 essential relays including 49 outliers. Three low ruggedness relays were identified in the population of essential relays. Overall results of capacity evaluation are summarized by this list. As this list provides overall results only, numerical values for capacity and demand are not included in this list. This information is provided by the relay data sheets of Attachment J. The following specific fields are provided in this list:

- 1) Main Equipment Designation - Relay ID.
- 2) Manufacturer Designation - Relay manufacturer. For non essential relays, this data is not critical.
- 3) Manufacturer Part/Model Number - Relay model/part number. For non essential relays, this data is not critical.
- 4) Relay Type - SQUG methodology considers any device with electrical contacts to be a relay. This field provides a generic type identifier to further define each relay by functional characteristics as follows: Relay (RLY), Control Switch (CS), Contactor (CONT), Operator (OP), or Instrument (INST). Relay type "OP" was used to indicate valve assembly limit and torque switches.

- 5) Low Ruggedness Relay - This field identifies if the evaluated relay is a low ruggedness relay. Answered "Y" if the relay model number (and contact configuration where applicable) are identified in Table 6.2 of EPRI Report NP-7147-SL and relay is essential.
- 6) Rack/Panel - The rack, panel, or assembly in which the evaluated relay is located. For non essential relays the field is typically null, however, the data is not critical.
- 7) Relay for Equipment - The relay review SSEL component ID(s) to which the relay has been associated. A single relay may be associated to multiple SSEL components.
- 8) Essential - This field identifies the classification of the relay for each associated relay review SSEL component ID. "Y" is essential, "N" is non essential.
- 9) Satisfactory - For essential relays, a "Y" indicates that the relay seismic capacity meets or exceeds the location specific plant seismic demand. An "N" indicates that the demand exceeds capacity, that the relay is a low ruggedness relay, or that the status is unknown as relay seismic capacity is unavailable for comparison to demand. Relays with "N" entries are classified as outliers. For non essential relays, this field is always answered "Y."
- 10) Reason Code - Essential relays that are determined to be satisfactory are assigned the reason code "GERS". This reason code signifies that the relay seismic capacity was obtained from the EPRI GERS or other referenced source document. Essential relays not found to be satisfactory (outliers) are assigned the reason code "CR." This reason code signifies that further action is required to address contact chatter or to determine the seismic capacity for a specific manufacturer model number relay not encompassed by the EPRI GERS or other referenced source document. Essential relays mounted on reciprocating engine skids were assigned the reason code "NV."

For non essential relays, this field is answered with a "CA" or "NV." Respectively, these codes signify that contact chatter was evaluated not to have an adverse impact upon the safe shutdown function of the associated SSEL component or that the relay was identified as an inherently rugged device non vulnerable to contact chatter such as a mechanically actuated switch.

- 11) Outlier - Answered "Y" if relay demand exceeds capacity, if the relay is a low ruggedness relay, or if the relay seismic capacity is unavailable. Answered "N" if relay seismic capacity meets or exceeds the location specific plant seismic demand.
- 12) Remarks - Comments germane to the establishment of seismic capacity. "No applicable GERS" denotes that a specific relay manufacturer model number is not encompassed by existing GERS therefore capacity cannot be established. "ANSI shape" denotes that a multiplier of 0.40 was utilized for relay capacity ZPA calculation per GERS instruction. "GERS modified shape" denotes that a multiplier of 0.60 was utilized for relay capacity ZPA calculation per GERS instruction.

"GERS shape" is used for some instruments and contactors to denote that relay capacity values of PSA and ZPA are approximated directly from GERS seismic graphs rather than from numerical tables.

The fifth list is "**List of Outlier Relays,**" Attachment I. This list is outlier relays sorted by model/part number including 3 outliers identified as low ruggedness relays from Table 6.2 of EPRI Report NP-7147-SL. A total of 49 relays were classified as outliers. Of this total, 27 relays encompassing approximately 13 different manufacturer model numbers were classified as outliers because their seismic capacity could not be established from existing EPRI GERS. Another 6 relays had no model number identified. As such, subsequent comparison of relay seismic capacity to location specific seismic demand was not possible for 33 relays. A total of 13 relays were classified as outliers because location specific plant demand exceeded relay capacity. The fields in this list are the same as those provided in the "**Condensed List of Essential Relays.**"

The final report encompasses all relay review SSEL component data sheets and relay data sheets and is Attachment J. SSEL data sheets provide component specific information such as normal position, required safe shutdown position, associated components, associated relays, power requirements, and general remarks. Relay data sheets are provided for each relay associated with a specific SSEL component. These relay sheets fully document the results of functional screening for both non essential and essential relays associated with components on the relay review SSEL and document the capacity evaluations for the subset of essential relays. The report is sorted by unit (Common, Unit 1, and Unit 2) in ascending order by system in ascending order by component ID. Each SSEL component data sheet is immediately followed by all applicable relay data sheets and numbered consecutively. The SSEL data sheet contains the following specific information:

- 1) Main Equipment Designation - Component identifier.
- 2) Description - Component description.
- 3) System/Train - Plant system and train identifier.
- 4) Safe Shutdown Function - USI A-46 safe shutdown function. One or any combination of: Reactor Inventory Control (IN), Reactor Pressure Control (PR), Reactor Reactivity Control (RX), and Decay Heat Removal (DH), Support System (SS).
- 5) Equipment Class - The SQUG equipment class assigned from Table 3-1 of the GIP.
- 6) Building/Elevation/Location - Component location.
- 7) Rack/Panel/Assembly - If applicable, the rack, panel, or assembly in which the SSEL component is located.
- 8) Normal Component Position/Status - Pre SSE position/status during normal plant operation.

- 9) Required Component Position/Status - USI A-46 safe shutdown required position/status.
- 10) Power Required - Answered "Y" if electrical power is required to support safe shutdown function, "N" if not.
- 11) SQUG Evaluation Type - Answered "Relay" and/or "Seismic" or "Rule of Box." Defines evaluation requirements per GIP methodology.
- 12) Associated Components - Identifies supporting components to the SSEL component.
- 13) Associated Relays - All relays identified during the initial relay screening process associated to the SSEL component.
- 14) Reference Drawings - Applicable reference drawings utilized for SSEL component selection.
- 15) Remarks - Component specific notes regarding SSEL development or relay screening for the SSEL component.

The relay data sheet contains the following specific information:

- 1) Relay Associated to SSEL Component ID - The relay review SSEL component ID to which the relay has been associated.
- 2) Main Equipment Designation - Relay ID.
- 3) Description - Relay description.
- 4) Building/Elevation/Location - Relay location. For non essential relays, this data is not critical.
- 5) Rack/Panel - The rack, panel, or assembly in which the evaluated relay is located. For non essential relays the field is typically null, however, the data is not critical.
- 6) Manufacturer Designation - Relay manufacturer. For non essential relays, this data is not critical.
- 7) Manufacturer Part/Model Number - Relay model/part number obtained from the Plant Equipment Database. For non essential relays, this data is not critical.
- 8) Relay Type - SQUG methodology considers any device with electrical contacts to be a relay. This field provides a generic type identifier to further define each relay by functional characteristics as follows: Relay (RLY), Control Switch (CS), Contactor (CONT), Operator (OP), or Instrument (INST). Relay type "OP" was used to indicate valve limit and torque switches.



- 9) Low Ruggedness Relay - This field identifies if the evaluated relay is a low ruggedness relay. Answered "Y" if the relay model number (and contact configuration where applicable) are identified in Table 6.2 of EPRI Report NP-7147-SL and relay is essential.
- 10) Essential - This field identifies the classification of the relay for the associated relay review SSEL component ID. "Y" is essential, "N" is non essential.
- 11) Satisfactory - For essential relays, a "Y" indicates that the relay seismic capacity meets or exceeds the location specific plant seismic demand. An "N" indicates that the demand exceeds capacity, that the relay is a low ruggedness relay, or that the status is unknown as relay seismic capacity is unavailable for comparison to demand. Relays with "N" entries are classified as outliers. For non essential relays, this field is always be answered "Y."
- 12) Reason Code - Essential relays that are determined to be satisfactory are assigned the reason code "GERS". This reason code signifies that the relay seismic capacity was obtained from the EPRI GERS or other referenced source documents. Essential relays not found to be satisfactory (outliers) are assigned the reason code "CR." This reason code signifies that further action is required to address contact chatter or to determine the seismic capacity for a specific manufacturer model number relay not encompassed by the EPRI GERS or other referenced source document. Essential relays mounted on reciprocating engine skids were assigned the reason code "NV."  
  
For non essential relays, this field is answered with a "CA" or "NV." Respectively, these codes signify that contact chatter was evaluated not to have an adverse impact upon the safe shutdown function of the associated SSEL component or that the relay was identified as an inherently rugged device non vulnerable to contact chatter such as a mechanically actuated switch.
- 13) Outlier - Answered "Y" if relay demand exceeds capacity, if the relay is a low ruggedness relay, or if the relay seismic capacity is unavailable. Answered "N" if relay seismic capacity meets or exceeds the location specific plant seismic demand.
- 14) Remarks - Comments germane to the classification of a relay as non essential or essential. Typically this field provides the engineering basis for determining the acceptability of contact chatter for a given relay.
- 15) References - NSP drawings used to screen and classify the relay.

The following fields appear upon the relay data sheet only if the relay is essential.

- 16) Seismic Demand - Peak Spectral Acceleration (PSA) and Zero Period Acceleration (ZPA) in units of gravity (g) for the specific panel of location where the relay is mounted. These values were provided by Stevenson & Associates (reference 85).

- 17) Seismic Capacity - PSA and ZPA values for the specific manufacturer and model number relay evaluated. These values were provided by the EPRI GERS or other referenced source documents.
- 18) Seismic Capacity Source Document - Identifies the specific document from which relay seismic capacity was determined.
- 19) Remarks - Comments germane to the establishment of seismic capacity. "No applicable GERS" denotes that a specific relay manufacturer model number is not encompassed by existing GERS therefore capacity cannot be established. "ANSI shape" denotes that a multiplier of 0.40 was utilized for relay capacity ZPA calculation per GERS instruction. "GERS modified shape" denotes that a multiplier of 0.60 was utilized for relay capacity ZPA calculation per GERS instruction. "GERS shape" is used for some instruments and contactors to denote that relay capacity values of PSA and ZPA are approximated directly from GERS seismic graphs rather than from numerical tables.

## 5.0 REFERENCES

- 1) USNRC Unresolved Safety Issue A-46, "Seismic Qualification of Equipment in Operating Nuclear Plants."
- 2) Seismic Qualification Utility Group, "Generic Implementation Procedure (GIP) Seismic Verification of Nuclear Plant Equipment," Revision 2.
- 3) Electric Power Research Institute Report NP-5228, "Seismic Verification of Nuclear Plant Equipment Anchorage."
- 4) Electric Power Research Institute Report NP-7148-SL, "Procedure for Evaluating Nuclear Power Plant Relay Seismic Functionality," dated 12/90.
- 5) Electric Power Research Institute Report NP-7148-SL, "Procedure for Evaluating Nuclear Power Plant Relay Seismic Functionality, Volume 2: Addendum," dated 9/93.
- 6) Electric Power Research Institute Report NP-7147-SL, "Seismic Ruggedness of Relays," dated 8/91.
- 7) Electric Power Research Institute Report NP-7147-SL, "Seismic Ruggedness of Relays, Volume 2: Addendum 1," dated 9/93.
- 8) Electric Power Research Institute Report NP-5223-SL, "Generic Seismic Ruggedness of Power Plant Equipment (Revision 1)," dated 8/91.
- 9) EPM Project Procedure P999-000-001, Rev. 1, "Safe Shutdown Equipment and Relay List Development for Unresolved Safety Issue (USI) A-46," dated 11/95.
- 10) System Description B-4A Rev 2 "Reactor Coolant System" (TCN 88-011)
- 11) System Description B7 Rev 2 "Reactor Control System"
- 12) System Description B9B Rev 1 "Neutron Flux Monitor"
- 13) System Description B12A Rev 3 "Chemical and Volume Control System"
- 14) System Description B18C Rev 2 "Engineered Safeguards System"
- 15) System Description B20.5 Rev 2 "4.16kV Station Auxiliary System"
- 16) System Description B20.6 Rev 1 "480 VAC Station Auxiliary System"
- 17) System Description B20.7 Rev 2 "Emergency Diesel Generator"
- 18) System Description B20.8 Rev 1 "Instrument AC Distribution System"

- 19) System Description B20.9 Rev 3 "DC Distribution System"
- 20) System Description B27 Rev 1 "Main and Auxiliary Steam System"
- 21) System Description B35 Rev 2 "B35 Cooling Water System"
- 22) System Description B37B Rev 2 "Safeguards Ventilation System"
- 23) System Description B38A Rev 1 "Diesel Generators"
- 24) System Description B38B Rev 2 "Fuel Oil System"
- 25) System Description B38C Rev 0 "Unit 2 Diesel Generators"
- 26) Operating Procedure 1C1.3 Rev 32 "Unit 1 Shutdown"
- 27) Operating Procedure 1C20.5 Rev 7 "Unit 1 - 4.16KV System"
- 28) Abnormal Operating Procedure 1C20.5 AOP1 Rev 3 "Reenergizing 4.16 KV Bus 15"
- 29) Abnormal Operating Procedure 1C20.5 AOP2 Rev 5 "Reenergizing 4.16 KV Bus 16"
- 30) Operating Procedure 1C20.6 Rev 5 "Unit 1 - 480V System"
- 31) Abnormal Operating Procedure 1C20.6 AOP1 Rev 3 "Loss of Power to MCC 1AB1"
- 32) Abnormal Operating Procedure 1C20.6 AOP2 Rev 4 "Loss of Power to MCC 1AB2"
- 33) Operating Procedure 1C20.7 Rev 8 "D1/D2 Diesel Generator"
- 34) Operating Procedure 1C20.8 Rev 5 "Instrument Distribution System"
- 35) Abnormal Operating Procedure 1C20.8 AOP1 Rev 3 "Abnormal Operation Instrument AC Inverters"
- 36) Operating Procedure 1C37.10 Rev 1 "D1/D2 Diesel Generator Room Cooling System"
- 37) Operating Procedure 2C1.3 Rev 34 "Unit 2 Shutdown"
- 38) Operating Procedure 2C20.5 Rev 9 "Unit 2 - 4.16KV System"
- 39) Abnormal Operating Procedure 2C20.5 AOP1 Rev 2 " Reenergizing 4.16 KV Bus 25"
- 40) Abnormal Operating Procedure 2C20.5 AOP2 Rev 3 " Reenergizing 4.16 KV Bus 26"
- 41) Operating Procedure 2C20.6 Rev 4 "Unit 2 - 480V System"

- 42) Operating Procedure 2C20.7 Rev 8 "D5/D6 Diesel Generator"
- 43) Operating Procedure 2C20.8 Rev 5 "Instrument Distribution System"
- 44) Abnormal Operating Procedure 2C20.8 AOP1 Rev 3 "Abnormal Operation Instrument AC Inverters"
- 45) Operating Procedure 2C37.0 Rev 1 "D5/D6 Diesel Generator Building HVAC"
- 46) Operating Procedure C12.1 Rev 12 "Letdown, Charging and Seal Water Injection"
- 47) Abnormal Operating Procedure C12.1 AOP1 Rev 1 "Loss of RCP Seal Injection"
- 48) Abnormal Operating Procedures C12.1 AOP2 Rev 1 "Loss of Charging Flow to the Regen HX"
- 49) Abnormal Operating Procedure C12.1 AOP3 Rev 0 "Loss of Letdown Flow to the VCT C12.1 AOP3"
- 50) Abnormal Operating Procedure C12.5 AOP2 Rev 0 "Malfunction of Automatic Makeup"
- 51) Operating Procedure C18 Rev 32 "Engineered Safeguards System"
- 52) Operating Procedure C18.1 Rev 3 "Engineered Safeguards Equipment Support Systems"
- 53) Operating Procedures C19.2 Rev 30 "Containment System Ventilation"
- 54) Operating Procedure C20.9 Rev 20 "Station Battery and DC Distribution System"
- 55) Abnormal Operating Procedure C20.9 AOP1 Rev 3 "Battery Charger Failure"
- 56) Operating Procedure C28.1 Rev 25 "Auxiliary Feedwater System"
- 57) Abnormal Operating procedure C28.1.3 AOP Rev 1 "Auxiliary Feedwater System Operation When AC Power is Lost"
- 58) Operating Procedure C34 Rev 12 "Station Air System"
- 59) Operating Procedure C35 Rev 26 "Cooling Water System"
- 60) Abnormal Operating Procedure C35 AOP1 Rev 3 "Loss of Cooling Water Header Loop A or B"
- 61) Abnormal Operating Procedure C35 AOP2 Rev 1 "Loss of Normal Cooling Water Discharge Header"

- 62) Operating Procedure C37.8 Rev 4 "Screenhouse Safeguard Equipment Cooling"
- 63) Abnormal Operating Procedure C37.8 AOP1 Rev 1 "Malfunction of Screenhouse Safeguards Ventilation"
- 64) Operating Procedure C37.9 Rev 11 "Control, Relay and Computer Room Ventilation"
- 65) Abnormal Operating Procedures C37.9 AOP1 Rev 1 "Loss of Control Room Cooling"
- 66) Abnormal Operating Procedure C37.9 AOP2 Rev 1 "Loss of Relay Room Cooling"
- 67) Operating Procedure C37.11 Rev 7 "Chilled Water System Operation"
- 68) Abnormal Operating Procedure C37.11 AOP1 Rev 4 "Loss of Safeguards Chilled Water"
- 69) Plant Safety Procedure F5 Appendix B Rev 17 "Control Room Evacuation (FIRE)"
- 70) Plant Safety Procedure F5 Appendix C Rev 12 "Control Room Evacuation (FIRE) Diesel Generator Operation"
- 71) Procedure 1ES-0.1 Rev 11 "Unit 1 Reactor Trip Recovery"
- 72) Figure C1-3B Rev 2 "RCS Cooldown Pressure/Temperature Limits"
- 73) Figure C1-10A Rev 6 "Shutdown Boron Concentration Unit 1 Cycle 17"
- 74) Figure C1-10B Rev 9 "Shutdown Boron Concentration Unit 2 Cycle 17"
- 75) Prairie Island Updated Safety Analysis Report Section 3 Revision 8
- 76) Prairie Island Updated Safety Analysis Report Section 4 Revision 12
- 77) Prairie Island Updated Safety Analysis Report Section 5 Revision 7
- 78) Prairie Island Updated Safety Analysis Report Section 6 Revision 12
- 79) Prairie Island Updated Safety Analysis Report Section 7 Revision 10
- 80) Prairie Island Updated Safety Analysis Report Section 8 Revision 12
- 81) Prairie Island Updated Safety Analysis Report Section 9 Revision 6
- 82) Prairie Island Updated Safety Analysis Report Section 10 Revision 10
- 83) Prairie Island Updated Safety Analysis Report Section 11 Revision 7

- 84) NSP Internal Correspondence; Subject, Safe Shutdown Equipment List Methodology, from Pete Valtakis to Al Kuroyama, dated November 6, 1995
- 85) Stevenson & Associates Facsimile Transmission 93C2807-LSS1-006; Subject, Seismic Demand for Cabinets Containing Essential Relays, from T. J. Tracy to C. Pellizzari, dated November 6, 1995
- 86) Stevenson & Associates Facsimile Transmission 93C2807-LSS1-008; Subject, Relay Spot Check Notes for Walkdown of Cabinets Containing Essential Relays, from T. J. Tracy to C. Pellizzari, dated November 8, 1995

Internal Correspondence



From Pete Valtakis  
To Al Kuyoyama

Date November 6, 1995  
Location PINGP  
Location PINGP

Subject Safe Shutdown Equipment List Methodology

Dear Al,

Attached is a description of the methodology used to determine the equipment needed to achieve and maintain Hot Shutdown conditions following a design basis earthquake at the Prairie Island plant site. It includes the method used to identify safe shutdown equipment and validation of adequacy of selected equipment using the Prairie Island Training Department simulator.

Based on my plant experience and knowledge, it is my opinion that the equipment identified on the Safe Shutdown Equipment List is adequate.

Respectfully,

Pete Valtakis

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	TMV GGG
	JEG CCS

AMK

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To	CHICO PELLIZZARI	From	AL KUYOYAMA
Co.	EPM	Co.	XSB
Dept.		Phone #	(612) 388-1121 x4467
Fax #	(508) 879-3291	Fax #	



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## Safe Shutdown Equipment List Methodology

### 1.0 INTRODUCTION

This document describes the process used to identify the Prairie Island Nuclear Generating Station safe shutdown equipment list. This process is consistent with the methodology described in Generic Implementation Procedure (GIP) For Seismic Verification of Nuclear Plant Equipment, Revision 2, February 1992.

### 2.0 SAFE SHUTDOWN FUNCTIONS

The following four Safe Shutdown Functions were considered in the development of the Safe Shutdown Equipment List.

- \* Reactor Reactivity Control
- \* Reactor Coolant Pressure Control
- \* Reactor Coolant Inventory Control
- \* Decay Heat Removal

These functions provide the necessary basis for the identification of the safe shutdown equipment which must be protected against the effects of seismic events.

### 3.0 IDENTIFICATION OF SAFE SHUTDOWN EQUIPMENT

After defining the required functions, it was necessary to identify those systems needed to achieve post-seismic event safe shutdown.

The first step was to define the various alternative methods or paths which could be used to accomplish each of the four safe shutdown functions. One of these alternate methods was then selected as the preferred safe shutdown alternative.

The second step was to identify the individual items of safe shutdown equipment for the preferred method by tracing out the path of action, fluid, and/or power on system flow, logic, and schematic drawings to develop a safe shutdown equipment list (SSEL).

The SSEL was then verified to be compatible with the plant operating procedures.

## Safe Shutdown Equipment List Methodology

### 4.0 DESCRIPTION OF SAFE SHUTDOWN SYSTEMS:

#### 4.1 Reactor Reactivity Control

Initial reactivity control is assumed to result from operator initiation of a controlled reactor shutdown. For the purposes of the safe shutdown systems selection, however, only the tripping function of the control rods is considered. Since a single stuck rod stuck out is assumed, a backup method is not necessary for this alternative.

Following rod insertion, hot subcritical conditions are maintained by boron injection using a charging pump at minimum speed. The source of borated water being the Refueling Water Storage Tank at a minimum Boron concentration of 1950 ppm. Calculations for the negligible core decay heat case show that this injection rate (net 10 GPM) maintains adequate shutdown margin during the expected cooldown. The significant decay heat case is covered by the calculations of the Core Operating Limits Report for each cycle.

#### 4.2 Reactor Pressure Control

Pressure control is accomplished relying on the Pressurizer Safety valves for overpressure protection which are redundant in this plant condition. Pressurizer heater groups A & B are used to maintain pressure. Both these heater groups are, or can be powered from the diesel generators.

#### 4.3 Reactor Coolant Inventory Control

Coolant inventory is maintained using a charging pump. Based on calculations for the core condition of negligible decay heat, a charging pump at minimum speed is not adequate to maintain RCS inventory during the expected cooldown. Therefore, a modification to install sufficient compressed air bottles is necessary to assure speed control to the charging pump is maintained.

If significant decay heat is present, letdown is established using the RCS head vent system to the PRT (Contmt atmosphere as backup). This will be necessary to allow continued operation of the charging pump at minimum speed without filling the pressurizer.

## Safe Shutdown Equipment List Methodology

### 4.4 Decay Heat Removal

Decay heat is removed via the steam generators using the Steam Generator Power Operated Relief Valves operated manually. Either of the two Steam Generators is capable of removing the decay heat load at hot shutdown. Makeup to the SGs is provided using the Turbine Driven Auxiliary Feedwater Pump, with the Motor Driven Aux Fd Pump as backup. The Cooling Water system provides suction supply to the Aux Fd Pmps. This supply is redundant since each train of Cooling Water supplies one of the AFW Pumps.

### 4.5 Support Systems

To support the operation of the identified safe shutdown systems, several supporting systems are identified. The safe shutdown equipment list includes those portions of these systems that provide the required support functions. These support systems are:

Cooling Water System

Diesel Generators

4.16KV & 480V Safeguards Electrical System

Station Battery & DC Distribution System

Instrument Inverters, Instrument Control Power

## 5.0 DEVELOPMENT OF SAFE SHUTDOWN EQUIPMENT LIST

For each system, plant piping and instrument drawings were used to identify the precise primary flow paths that would be established to accomplish the desired functions. Additionally, those branch flow paths that must be isolated and remain isolated to assure that flow will not be diverted from the primary flow path were also identified. From this information, a list of the components in the flow paths was compiled.

## 6.0 VERIFICATION OF PROCEDURAL COMPATIBILITY

A review of operating procedures related to equipment contained in the SSEL was conducted to verify adequate procedural guidance exists. Some inadequacies were noted during this review and as a result it will be necessary to upgrade the Operations Manual Section AB-3, EARTHQUAKES, to include specific instruction for the use of the equipment on the SSEL to maintain hot shutdown conditions following a design seismic event.

Safe Shutdown Equipment List Methodology

7.0 SIMULATOR SCENARIOS:

On 10/09/95, two scenarios were played out involving maintaining hot shutdown conditions following an earthquake and loss of all offsite power using only equipment identified on the SQUG Safe Shutdown Equipment List. These scenarios tested the ability to control the four safe shutdown functions listed below:

- Reactor reactivity control
- Reactor coolant pressure control
- Reactor coolant inventory control
- Decay heat removal

The basic procedures used to establish and maintain hot shutdown conditions were E-0, REACTOR TRIP AND SAFETY INJECTION, and ES-0.1, REACTOR TRIP RECOVERY.

Scenario #1.

Initial Conditions:

- 100% Reactor Power
- EOC - High decay heat load

Scenario #2.

- Critical at 10<sup>-8</sup> amps
- BOC - Virtually no decay heat load

Simulated condition:

- Loss of all offsite power
- Loss of instrument air
- Safeguards buses repowered by Diesel Generators
- No accident

The following is a step by step sequence of actions listed in order of procedure step performed, indications used and possible contingency action needed as a result of a loss of the normal function or indication.

E-0 (1) Verify Reactor Trip

Gamametric power range indicators used to verify neutron flux decreasing.

*Safe Shutdown Equipment List Methodology*

E-0 (2) Verify Turbine Trip

Assuming no stop valve indication available in the CRM, MSIVs can be closed.

E-0 (3) Verify Safeguards Buses Energized

Bus indicating lights 44193 & 44201 verify bus energization.

E-0 (4) Check if SI Actuated

In the absence of annunciator power, non-actuation of SI can be detected using FCU indicating lights (2 FCUs remain in fast speed).

SI not required can be verified using SSEL indicators for RCS pressure, pressurizer level, and steam generator pressure.

ES-0.1 (1) Announce Reactor Trip

May be necessary to use radios for communication since plant page and telephone system not on SSEL.

ES-0.1 (2) Place Steam Dump in Steam Pressure Mode

Not necessary to accomplish this step. No air for operation of valves, MSIVs may be closed.

ES-0.1 (3) Notify Turbine Bldg Operator to Isolate MSRs

No safety significance to this step, may or may not get done. If MSIVs closed, not needed.

ES-0.1 (4) Check RCS Temperature

Control Board recorders 42059 & 42042 on SSEL.

If temperature decreasing, MSIVs can be closed, AFW can be controlled and SGB valves will fail closed on loss of air.

If temperature increasing, SG PORVs can be operated locally.

ES-0.1 (5) Check FW Status

FW Pumps are lost on loss of offsite power.

AFW flow can be verified by SG level trend.

Safe Shutdown Equipment List Methodology

ES-0.1 (6) Verify All Control Rods Fully Inserted

Since power is lost to RPis, this cannot be performed, however, since letdown is lost, due to loss of air, charging pump suction is shifted to RWST which results in a continuous boration of the RCS.

ES-0.1 (7) Check PRZR Level Control

Pressurizer level indicators on SSEL.

Charging pump is restarted by operator upon restoration of power to safeguards buses. Due to loss of IA, speed is minimum. Letdown cannot be placed in service. Alternate letdown path through head vent system is available, if necessary.

ES-0.1 (8) Check PRZR Pressure Control

Safeguards powered heaters available. PORVs available until accumulators bleed down. Safeties provided ultimate overpressure protection. Pressurizer vent through RCS head vent system works well.

ES-0.1 (9) Check SG Levels

Level indicators in CRM on SSEL. Flow can be controlled using normal throttle MVs. Level trend can be used to verify adequacy of flow. AFW Pump on SSEL. If CST not available, CL water to AFW Suction on SSEL.

ES-0.1 (10) Verify Offsite Power Available

Unable to perform, assumption is that offsite power not available for first 72 hours after incident.

ES-0.1 (11) Open Turbine HP Drains

No safety significance to this step, may or may not get done.

ES-0.1 (12) Check RCP Status

No offsite power, RCPs cannot be run.

ES-0.1 (13) Check If SR Detectors Should Be Energized

Flux monitoring by Gamametrics, this step not necessary if Westinghouse Nuclear Instrumentation lost.

*Safe Shutdown Equipment List Methodology*

ES-0.1 (14) Maintain Stable Plant Conditions.

Using SSEL equipment able to maintain conditions as described in a. through d. except in scenario #2 where temperature sagged due to low decay heat. By starting additional charging pump (simulating local manual speed control) was able to makeup for cooldown and maintain pressurizer level.

Conclusion: The equipment described in the SSEL provides the necessary functionality to maintain the units in a safe shutdown condition during the first 72 hours following a design basis earthquake, coincident with a loss of all offsite power and instrument air.

**EDUCATION**

*B.S., Electrical Engineering*  
Northeastern University  
Boston, Massachusetts

**EPM  
EXPERIENCE**

Mr. Kalantari has over fifteen years of engineering experience in the nuclear power industry. As a Technical Manager at EPM, he has had major responsibility for detailed review of plant electrical and mechanical systems, components and licensing commitments for both BWR and PWR plants to support projects such as Component Classification (Q-List), Environmental Qualification (EQ), Station Blackout, Reg. Guide 1.97 Assessment, USI A-46, "Seismic Qualification of Equipment in Operating Nuclear Power Plants," IPEEE, "Independent Plant Examination of External Events," and Fire Protection/Appendix R projects. Highlights of his experience include the following:

Involved in identification of Safe Shutdown Components and relay evaluation required per USI A-46 "Seismic Qualification of Equipment in Operating Nuclear Power Plants" for Cooper Nuclear Station And James A. FitzPatrick.

Lead relay reviewer for the James A. FitzPatrick and Cooper Nuclear Station SQUG project. He reviewed plant schematics and elementary diagrams to determine whether the relays associated with a safe shutdown component were "essential" and assessed the seismic capability associated with essential relays using the methodology identified in EPRI NP-7148-SL, NP-7147-SL and the SQUG Generic Implementation Procedure. Prior to the start of this project, Mr. Kalantari completed the SQUG Equipment Selection and Relay Evaluation Training Course.

Involved in the implementation of IPEEE Fire Induced Vulnerability Evaluation (FIVE) for Cooper Nuclear Station.

Participated in Fire Protection/Appendix R safe shutdown projects at Monticello, D.C. Cook, Point Beach, James A. Fitzpatrick, Peach Bottom, Indian Point 3 and Cooper where the following functions were performed:

- Reviewed plant design to identify systems and components required for safe shutdown.
- Performed safe shutdown analysis and proposed design changes to resolve any areas of noncompliance.
- Prepared Fire Hazards Analysis.



- Reviewed Plant documents and submittals to identify the Licensing Commitments.
- Reviewed Licensing Commitments and prepared comprehensive documents detailing the Fire Protection/Appendix R Compliance Program.
- Wrote alternate safe shutdown procedure to achieve hot and cold shutdown conditions in the event of fire coincident with loss of off-site power.
- Participated in various Appendix R/Fire Protection Audits.

Involved in technical assessment of Appendix R compliance at various power plants.

Performed equipment classification services at J. A. FitzPatrick, Cooper, Zion, and Calvert Cliffs work included the following:

- Reviewed NRC, IEEE, ASME, and ANSI guidelines and requirements for safety-related systems to establish criteria for equipment classification.
- Reviewed FSARs and various other licensing commitments to establish specific criteria for equipment classification.

Prepared procedures and design criteria for equipment classification projects at Cooper, Zion and J. A. FitzPatrick, work included the following:

- Classified electrical, instrumentation, and mechanical components through detailed review of design drawings, operating manuals, and safety analysis reports.

Performed equipment classification training at Cooper Nuclear Station and J.A. FitzPatrick.

Reviewed and provided guidance for equipment classification projects at Zion, LaSalle and Calvert Cliffs Stations.

Performed comprehensive audit of Calvert Cliff's Q-List Program.

Participated in Environmental Qualification projects for various clients and performed the following:

- Reviewed environmental analysis to identify components required for qualification.
- Prepared a comprehensive EQ component list for Cooper and James A. FitzPatrick Nuclear Stations.

- Participated in technical evaluation of EQ documentation for D.C. Cook, Turkey Point, St. Lucie and Boston Edison.
- Reviewed Vendor Manuals and qualification documents to establish maintenance program for environmentally qualified components.

## PREVIOUS EXPERIENCE

Prior to joining EPM, Mr. Kalantari Performed engineering services for Bechtel and Boston Edison. Highlights of this experience follow:

- Provided start-up support for nuclear power plants.
- Ensured completion and operability of start-up systems in accordance with design criteria.
- Provided engineering interpretation of design drawings and specifications.
- Maintained and/or modified design through field changes.
- Involved in development of various site engineering procedures such as, safety tagging, termination, cable pulling and raceway installation procedures.
- Coordinated functions of such groups as Electrical Engineering, Quality Control, Superintendents and Crafts to ensure system completion in accordance with start-up schedule.
- Served as Lead System Engineer for various start-up systems including 4KV, 480V AC, 120V AC, and the entire DC system at Hope Creek Generating Station. Activities included vendor interface for purchasing, installation, and testing.
- Investigated, reviewed, and evaluated tasks for safety and reliability of plant operation.
- Involved in calculation, design, and preparation of design changes and associated instructions.

## PROFESSIONAL AFFILIATIONS

- Institute of Electrical and Electronics Engineers, Member
- Society of Fire Protection Engineers, Member Grade
- American Nuclear Society, Member

**EDUCATION**

*B.S., Electrical Engineering*  
Northeastern University  
1972

*A.S., Electrical Engineering*  
Wentworth Institute  
1968

**EXPERIENCE  
SUMMARY**

Mr. Deinha has over 21 years of engineering experience in the utility industry which includes a strong technical background in engineering design and construction. Prior to joining EPM, Mr. Deinha's responsibilities included the engineering design of Electrical Power Distribution Systems at two major A/E's. This includes significant expertise in sizing and specifying major equipment for power plant ac and dc generation and distribution systems. Equipment specifically includes transformers, cables, switchgear, batteries, inverters and chargers. His experience also includes load studies, fault current studies and voltage drop studies. At EPM, he has developed significant, specific technical expertise in Reg. Guide 1.97 Instrumentation for Post-Accident Monitoring, Equipment Qualification, Safety System Functional Inspections, Electrical Distribution System Functional Inspections (EDSFI), Appendix R analyses and SQUG relay evaluation.

**PROFESSIONAL  
EXPERIENCE**

Mr. Deinha has the following experience in each of the noted areas:

**SQUG RELAY EVALUATION**

Mr. Deinha was a lead relay reviewer for the J.A. Fitzpatrick SQUG project. His responsibilities included the review of plant schematics and elementary diagrams to determine whether the relays associated with a safe shutdown component were "essential" and to assess the seismic capability associated with essential relays using the methodology identified in EPRI NP-7148-SL, NP-7147-SL and the SQUG Generic Implementation Procedure. Prior to the start of this project, Mr. Deinha completed the SQUG Equipment Selection and Relay Evaluation Training course held November 16-18, 1993.

**NRC EDSFI PLANT INSPECTIONS**

Mr. Deinha was an NRC inspection team member for several Electrical Distribution System Functional Inspections (EDSFI) including the Arkansas, Waterford, Calvert Cliffs, Perry, Prairie Island, Millstone 2, Byron and Braidwood Nuclear Stations. His responsibilities during these inspections have included the review of load studies, short circuit calculations (AC/DC), AC and

DC voltage drop studies, degraded grid relaying, diesel generator loading and sequencing, switchgear design, cable sizing, fast bus transfer scheme, electrical isolation, breaker and fuse coordination; sizing of transformers, breakers, batteries, battery chargers and inverters.

#### EQUIPMENT QUALIFICATION

These assessments included the review of the utility's EQ program controls, maintenance requirements, plant modifications, EQ documentation packages, etc. Mr. Deinha is familiar with the requirements of the 10CFR50.49, Regulatory Guide 1.89, DOR guidelines, NUREG-0588, IEEE 323 and its associated daughter documents. His specific EQ responsibilities have included:

- Performed an EQ program procedures review and maintenance review to determine the adequacy of engineering and plant controls.
- Performed various reviews of equipment qualification packages to determine the completeness and technical adequacy of documentation as required by 10CFR 50.49 and associated DOR and IEEE guidelines.
- Developed or revised equipment qualification packages.

Mr. Deinha has participated in equipment qualification assessments associated with the Arkansas Nuclear One, Indian Point 2, St. Lucie 1 and 2, Turkey Point 3 and 4, Pilgrim and LaSalle Nuclear Power Station.

Mr. Deinha provided consulting services to Turkey Point 3 and 4 which included the development or revision of EQ Documentation Packages and the development of the associated engineering packages. These projects required the understanding of the Environmental Qualification of a large range of generic component types. In addition, he performed component operability evaluations to address EQ deficiencies resulting from component walkdown at both the St. Lucie and Turkey Point Nuclear Stations.

Mr. Deinha provided consulting services to Indian Point 3 performing the preparation and revision of EQ Documentation Packages. He also provided technical support during the NRC EQ inspection.

### INSTRUMENT SETPOINTS

Mr. Deinha was involved with the Browns Ferry Nuclear 3 setpoint calculations effort. His responsibilities included the development of project procedures and guidelines, generic calculations, undervoltage relay calculations, etc. The guidelines developed by Mr. Deinha detailed the process used in performing the setpoint and inaccuracies calculations, as well as, identification of acceptable sources of design input data. He also provided technical input for those calculations associated with Regulatory Guide 1.97 for post-accident monitoring in order to ensure compliance with the requirements of the regulatory guide.

### SAFETY SYSTEM FUNCTIONAL INSPECTION

Mr. Deinha was Project Engineer for the Safety System Functional Inspection (SSFI) performed for Commonwealth Edison's Zion Station. His responsibilities included the following activities:

- Developed and performed an SSFI for the review of design basis requirements, design changes and modifications, maintenance, testing and training associated with the Auxiliary Feedwater System. Prepared a detailed final report.
- Developed the SSFI review checklists for both programmatic and technical reviews.

He assisted FP&L's St. Lucie and Turkey Point Stations in performing an SSFI of their Intake Cooling Water Systems using the vertical slice methodology. His responsibilities included the following activities:

- Development of an inspection plan to identify the specific areas to be reviewed
- Review of system design basis documentation (e.g., calculations) and plant modification packages
- The development of a draft document identifying the resulting findings and concerns

### ELECTRICAL DESIGN

Mr. Deinha has provided technical supervision of support engineers. He has performed station service voltage drop studies, fault current studies and load

studies for plant power distribution systems. He has also performed calculations for short circuit, voltage drop and cable sizing. He sized and specified major equipment for power plant ac and dc generation and distribution systems. This equipment specifically included transformers, cables, switchgear, station batteries, battery chargers and inverters. He reviewed both physical and electrical design drawings to ensure compliance with the physical separation and electrical isolation requirements of Regulatory Guide 1.75. His electrical design activities were associated with nuclear steam supply, including the review of motor, switchgear and control panel specifications and drawings. He has performed environmental qualification of electrical equipment, including review of vendor qualification packages and interface with vendors and client to resolve equipment qualification deficiencies. He has also provided specification of the technical requirements for the purchase of commercial grade materials for safety-related installations.

#### REG. GUIDE 1.97 INSTRUMENTATION

Mr. Deinha was responsible for supervising the technical review of the Reg. Guide 1.97 submittals to NRC by Florida Power & Light (FP&L) for Turkey Point Plant and St. Lucie Nuclear Power Station. The objective of the review was to determine FP&L's level of compliance to the requirements of Reg. Guide 1.97 which identifies the instrumentation and qualification/design criteria required for post-accident monitoring.

The RG 1.97 Compliance Assessment included the following areas of review:

- Environmental Qualification
- Display and Recording
- Redundancy
- Power Sources
- Range
- Electrical Isolation
- Testing and Calibration of Loops
- Common Designation for Type A, B and C Instruments Designated as Category 1 and 2
- QA and Seismic Qualification
- Physical Separation of Category 1 Instrument Loops
- TSC and EOF Compliance
- Review of Plant Emergency Operating Procedures to Identify Type A Variables
- Review of RG 1.97 Associated Plant Modifications
- Review of NRC SER and Associated Correspondence

Mr. Deinha was also responsible for the resolution of areas of noncompliance including the development of technical justifications/evaluations.

In addition, he was responsible for revision of the Turkey Point submittal and the FSAR section identifying plant commitments. This effort included the development of an Engineering Package to revise the FSAR and verification of the safety classification of RG 1.97 components.

#### APPENDIX R ANALYSIS

Mr. Deinha has participated in various projects involving Appendix R analyses. His responsibilities in this area encompassed the following activities:

- Performance of overall Appendix R plant evaluation.
- Performance of safe shutdown analysis of systems, components and cables.
- Review of proposed modifications for long-term conformance to Appendix R.
- Preparation of safe shutdown operating and repair procedures to be used by plant operators in the event of a fire.

#### TRAINING

Mr. Deinha was responsible for developing a training course at Commonwealth Edison's LaSalle Station for the use of Appendix R Safe Shutdown Operating Procedures. His activities included the development of course lesson plans and the performance of six operator training sessions.

Prior to joining EPM, Mr. Deinha was an electrical engineer for major firms serving the utility industry including Bechtel and Stone and Webster. Highlights of this experience follow:

#### BECHTEL POWER CORPORATION

As Electrical Group Leader, he provided technical supervision of support engineers for the review of electrical and I&C design change modification packages, and electrical drawings, associated with Pilgrim Station, including:

- Interfacing with the client to resolve comments and obtain approval of drawings.

- Interfacing with plant personnel to perform plant walkdowns.

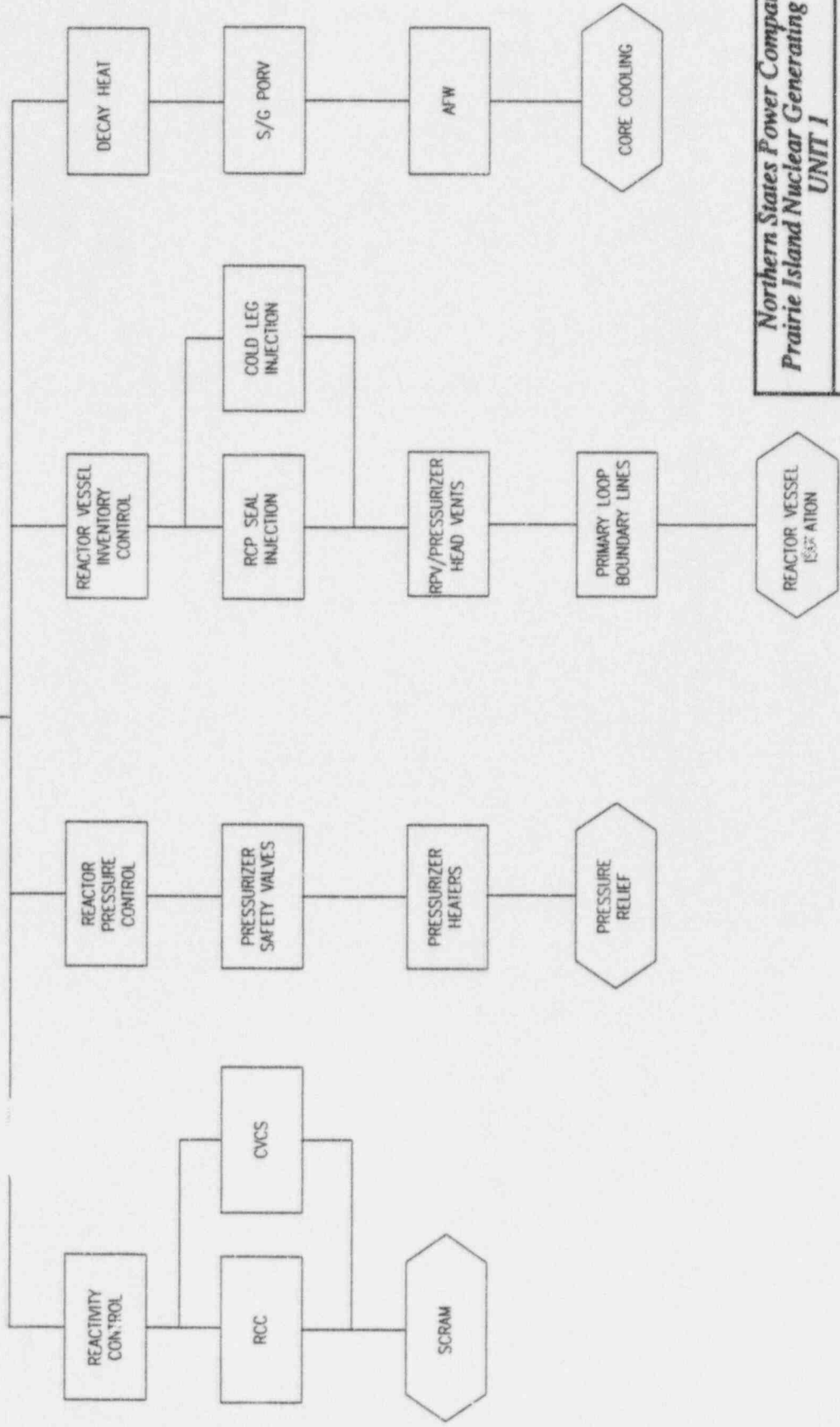
#### STONE & WEBSTER ENGINEERING CORPORATION

As Electrical Principal Engineer, he participated in the design and construction of Millstone 3, a 1200 Mw nuclear power plant, including:

- Technical supervision of support engineers.
- Station service voltage drop studies, fault current studies and load studies for plant power distribution systems.
- Calculations for short circuit, voltage drop and cable sizing.
- Sizing and specifying of major equipment for power plant ac and dc generation and distribution systems. Equipment specifically includes transformers, cables, switchgear, station batteries, battery chargers, and inverters.
- Review of both physical and electrical design drawings to ensure compliance with the physical separation and electrical isolation requirements of Regulatory Guide 1.75 and IEEE 323.
- Electrical design activities associated with the nuclear steam supply including the review of motor, switchgear and control panel specifications and drawings.
- Environmental qualification of electrical equipment, including review of vendor qualification packages and interface with vendors and client to resolve equipment qualification deficiencies.
- Specification of the technical requirements for the purchase of commercial grade materials for safety related installations.

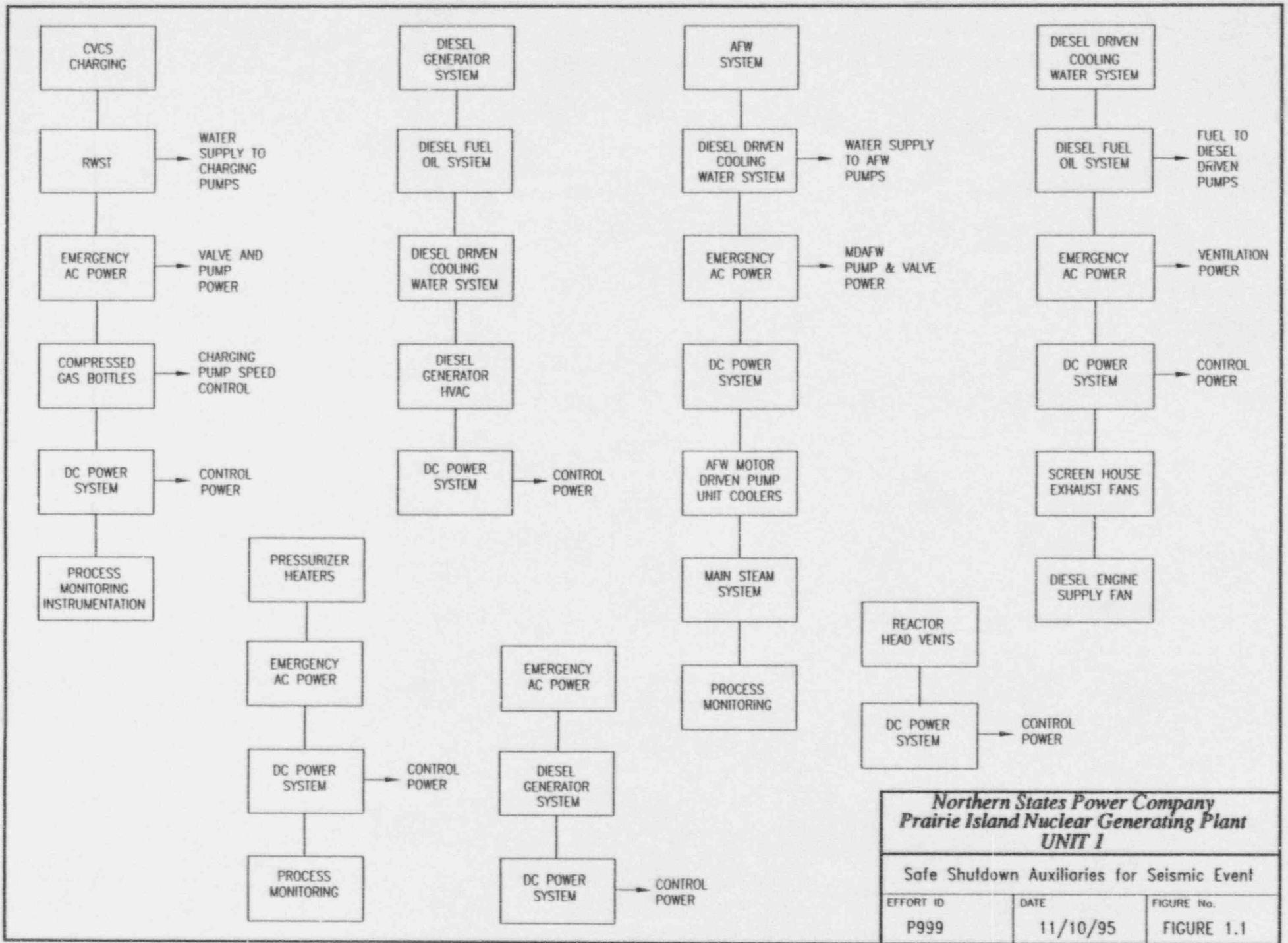


SYSTEM EVALUATION FOR SEISMIC EVENT



Northern States Power Company  
 Prairie Island Nuclear Generating Plant  
 UNIT 1

Safe Shutdown Sequences for Seismic Event	
EFFORT ID	FIGURE No.
P999	FIGURE 1
DATE	
11/10/95	



**Northern States Power Company**  
**Prairie Island Nuclear Generating Plant**  
**UNIT 1**

Safe Shutdown Auxiliaries for Seismic Event

EFFORT ID P999	DATE 11/10/95	FIGURE No. FIGURE 1.1
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CONTAINMENT  
AIR COOLERS

COOLING WATER  
SYSTEM

EMERGENCY  
AC POWER

COMPUTER/AUX  
BUILDING RELAY  
ROOM UNIT  
COOLERS

COOLING WATER  
SYSTEM

EMERGENCY  
AC POWER

DIESEL OIL  
FUEL SYSTEM

EMERGENCY  
AC POWER

CONTROL ROOM  
AIR HANDLERS

COOLING WATER  
SYSTEM

EMERGENCY  
AC POWER

PROCESS  
MONITORING

INSTRUMENT  
POWER

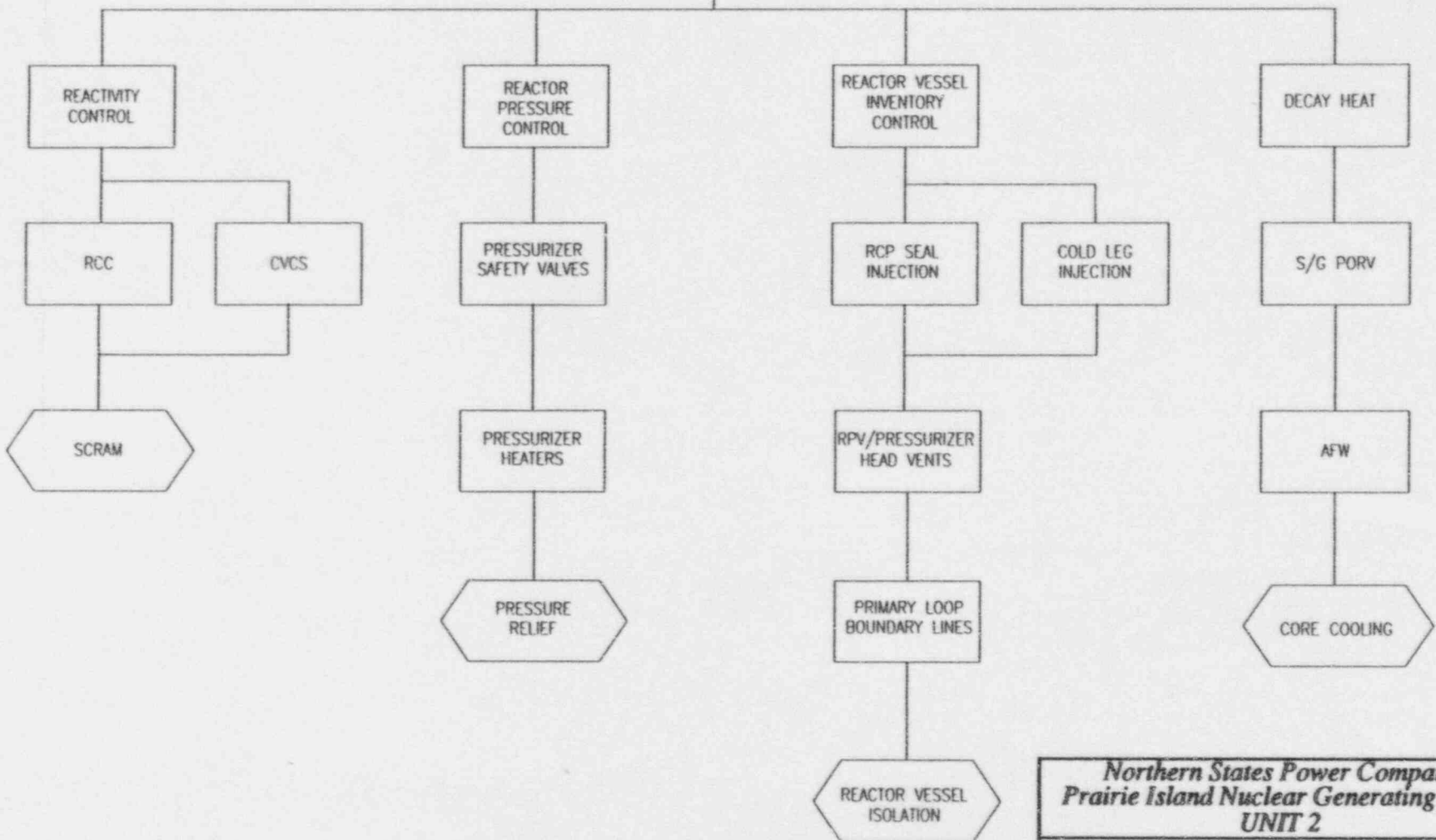
DC  
POWER

*Northern States Power Company  
Prairie Island Nuclear Generating Plant  
UNIT 1*

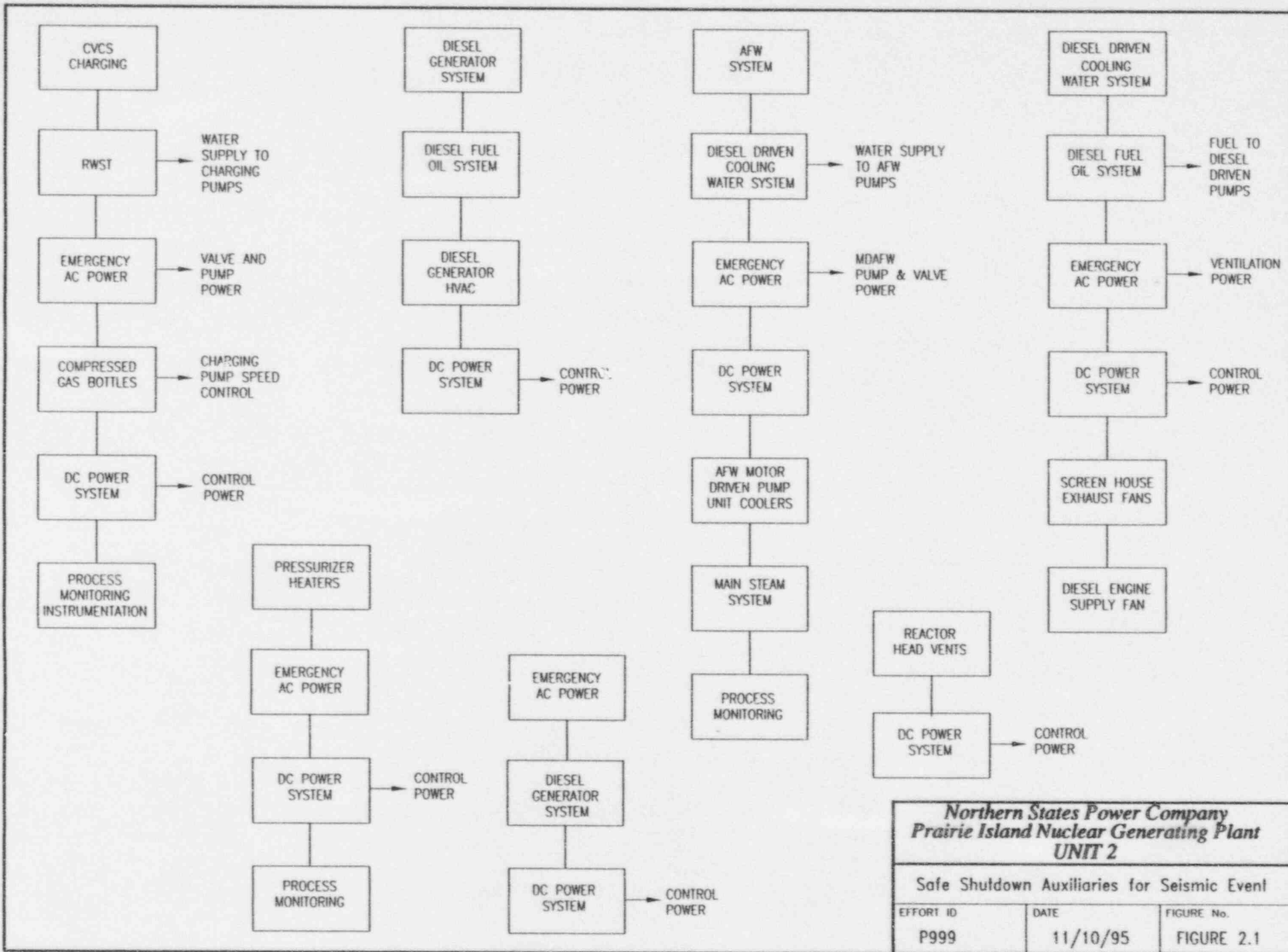
Safe Shutdown Auxiliaries for Seismic Event

EFFORT ID	DATE	FIGURE No.
P999	11/10/95	FIGURE 1.2

SYSTEM  
EVALUATION FOR  
SEISMIC EVENT



<i>Northern States Power Company</i> <b>Prairie Island Nuclear Generating Plant</b> <b>UNIT 2</b>		
Safe Shutdown Sequences for Seismic Event		
EFFORT ID	DATE	FIGURE No.
P999	11/10/95	FIGURE 2



CONTAINMENT  
AIR COOLERS

COOLING WATER  
SYSTEM

EMERGENCY  
AC POWER

COMPUTER/AUX  
BUILDING RELAY  
ROOM UNIT  
COOLERS

COOLING WATER  
SYSTEM

EMERGENCY  
AC POWER

DIESEL OIL  
FUEL SYSTEM

EMERGENCY  
AC POWER

CONTROL ROOM  
AIR HANDLERS

COOLING WATER  
SYSTEM

EMERGENCY  
AC POWER

PROCESS  
MONITORING

INSTRUMENT  
POWER

DC  
POWER

*Northern States Power Company  
Prairie Island Nuclear Generating Plant  
UNIT 2*

Safe Shutdown Auxiliaries for Seismic Event

EFFORT ID	DATE	FIGURE No.
P999	11/10/95	FIGURE 2.2

Northern States Power Company  
 Prairie Island Nuclear Generating Plant  
 Unresolved Safety Issue A-46  
 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SOUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
UOSSEL	CL	21	053-321	12 COOLING WATER PUMP DIESEL OIL DAY TANK	SSCRN	895	C1.8/81.0	
UOSSEL	CL	21	053-322	22 COOLING WATER PUMP DIESEL OIL DAY TANK	SSCRN	895	C1.8/101.0	
UOSSEL	CL	0	087-011	121 SAFEGUARD TRAVELING WATER SCREEN	SSCRN	895	E1.0/81.8	
UOSSEL	CL	0	087-012	122 SAFEGUARD TRAVELING WATER SCREEN	SSCRN	895	E1.0/81.2	
UOSSEL	CL	21	117-121	12 COOLING WATER PUMP GEAR OIL COOLER	SSCRN	895	C1.2/81.8	145-382
UOSSEL	CL	21	135-101	12 CL PMP DIESEL JACKET CLG HX	SSCRN	895	C1.4/81.5	
UOSSEL	CL	8	145-382	12 DD CLP	SSCRN	895	C1.2/81.5	
UOSSEL	CL	21	148-011	12 CL PMP DIESEL START-UP AIR RECEIVERS	SSCRN	895	C1.1/81.0	
UOSSEL	CL	0	158-011	11 COOLING WATER STRAINER	SSCRN	895	B1.5/81.8	
UOSSEL	CL	21	217-121	22 COOLING WATER PUMP GEAR OIL COOLER	SSCRN	895	C1.2/81.2	245-382
UOSSEL	CL	21	235-081	22 CL PMP DIESEL JACKET CLG HX	SSCRN	895	C1.4/81.5	
UOSSEL	CL	8	245-382	22 DD CLP	SSCRN	895	C1.2/81.2	
UOSSEL	CL	12	246-011	22 CL PMP DIESEL START-UP AIR RECEIVERS	SSCRN	895	C1.2/101.0	
UOSSEL	CL	0	258-012	22 COOLING WATER STRAINER	SSCRN	895	B1.7/81.5	
UOSSEL	CL	7	2CL-25-1	22 DDCLP JACKET HX RELIEF	SSCRN	700	ON S WALL C1.4/81.3	
UOSSEL	CL	20	70300	12 DD CLWP LCL PNL	SSCRN	895		
UOSSEL	CL	20	70350	22 DD CLWP LCL PNL	SSCRN	895		
UOSSEL	CL	20	70385	121 SFGDS TRAVELING SCR N DIFF CONT PNL	SSCRN	895		
UOSSEL	CL	20	70388	122 SFGDS TRAVELING SCR N DIFF CONT PNL	SSCRN	895		
UOSSEL	CL	7	CL-25-1	12 DDCLP JACKET HX RELIEF	SSCRN	895		
UOSSEL	CL	7	CV-31423	12 DDCLP JCKT CLR OUTL CV	SSCRN	705	IN 3" LINE C1.5/81.3	
UOSSEL	CL	7	CV-31457	22 DDCLP JCKT CLR OUTL CV	SSCRN	705	IN 3" LINE C1.5/81.7	
UOSSEL	CL	7	CV-31852	11 CLG WTR STRNR BCKWSH CV	SSCRN	897	IN 2" LINE B1.5/81.7	
UOSSEL	CL	7	CV-31855	22 CLG WTR STRNR BCKWSH CV	SSCRN	897	IN 2" LINE B1.7/81.3	
UOSSEL	CL	8	MV-32034	121 CLWP DSCH HDR MV A	SSCRN	702	IN 24" LINE B1.4/81.9	
UOSSEL	CL	8	MV-32035	121 CLWP DSCH HDR MV B	SSCRN	898	IN 24" LINE B1.4/81.8	
UOSSEL	CL	8	MV-32036	121 CLWP DSCH HDR MV C	SSCRN	898	IN 24" LINE B1.4/81.1	
UOSSEL	CL	8	MV-32037	121 CLWP DSCH HDR MV D	SSCRN	898	IN 24" LINE B1.4/81.2	
UOSSEL	CL	8	MV-32144	LOOP A/B CLG WTR HDR XOVR MV A	AUX	708	IN 24" LINE H.9/8.6	

Northern States Power Company  
 Prairie Island Nuclear Generating Plant  
 Unresolved Safety Issue A-46  
 Composite SSEL (Table 2)

SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
053-321	SEISMIC	INTACT	INTACT	N					X	NF-39232	
053-322	SEISMIC	INTACT	INTACT	N					X	NF-39232	
067-011	SEISMIC/RELAY	OFF	ON	Y					X	NF-39218-1	NF-40315
067-012	SEISMIC/RELAY	OFF	ON	Y					X	NF-39218-1	NF-40315
117-121	ROB	INTACT	INTACT	N					X	NF-39218-1	
135-101	SEISMIC	INTACT	INTACT	N					X	NF-39218-1	
145-392	SEISMIC/RELAY	OFF	ON	Y				X	X	NF-39218-1	NF-40315
146-011	SEISMIC	INTACT	INTACT	N					X	NF-39232	
158-011	SEISMIC/RELAY	ON	ON	Y					X	NF-39218-1	NF-40315
217-121	ROB	INTACT	INTACT	N					X	NF-39218-1	
235-081	SEISMIC	INTACT	INTACT	N					X	NF-39218-1	
245-392	SEISMIC/RELAY	OFF	ON	Y				X	X	NF-39218-1	NF-40315
246-011	SEISMIC	INTACT	INTACT	N					X	NF-39232	
258-012	SEISMIC/RELAY	ON	ON	Y					X	NF-39218-1	NF-40315
2CL-25-1	SEISMIC	CLOSED	CLOSED	N					X	NF-39218-1	
70300	SEISMIC	INTACT	INTACT	N					X		NF-40315
70350	SEISMIC	INTACT	INTACT	N					X		NF-40315
70395	SEISMIC	INTACT	INTACT	N					X		NF-40315
70398	SEISMIC	INTACT	INTACT	N					X		NF-40315
CL-25-1	SEISMIC	CLOSED	CLOSED	N					X	NF-39218-1	
CV-31423	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39218-1	NF-40315
CV-31457	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39218-1	NF-40315
CV-31652	SEISMIC/RELAY	OPERABLE	OPERABLE	N					X	NF-39218-1	NF-40315
CV-31655	SEISMIC/RELAY	OPERABLE	OPERABLE	N					X	NF-39218-1	NF-40315
MV-32034	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39218-1	NF-40315
MV-32035	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39218-1	NF-40315
MV-32038	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39218-1	NF-40315
MV-32037	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39218-1	NF-40315
MV-32144	SEISMIC/RELAY	OPEN	CLOSED	Y					X	NF-39218-3	NF-40315



Northern States Power Company  
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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SOUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
UOSSEL	CL	8	MV-32159	LOOP A/B CLG WTR HDR XOVR MV B	AUX	708	IN 24" LINE H.8/9.2	
UOSSEL	CL	8	MV-32332	11 AUX BLDG CLG WTR RTRN HDR ISOL MV	AUX	709	IN 24" LINE G.4/7.1	
UOSSEL	CL	8	MV-32334	21 AUX BLDG CLG WTR RTRN HDR ISOL MV	AUX	708	IN 24" LINE G.4/10.9	
UOSSEL	CL	8	SV-33133	CLG WTR TO 121 SFGSDS TRVLG SCRNS SV	SSCRN	895	IN 3" LINE C.1.7/91.0	
UOSSEL	CL	8	SV-33134	CLG WTR TO 122 SFGSDS TRVLG SCRNS SV	SSCRN	895	IN 3" LINE C.1.7/91.2	
UOSSEL	CL	8	SV-33343	11 CLG WTR STRNR BCKWSH SV	SSCRN	897	ON CV-31852 B.1.5/81.7	CV-31852
UOSSEL	CL	8	SV-33344	22 CLG WTR STRNR BCKWSH SV	SSCRN	897	ON CV-31855 B.1.7/81.3	CV-31855
UOSSEL	CL	8	SV-33464	12 DD CLG WTR PMP AIR MTR RS SV A	SSCRN	700	AT PMP ENG C.1.2/81.8	
UOSSEL	CL	8	SV-33465	12 DD CLWP AIR MTR LS SV B	SSCRN	700	AT PMP ENG C.1.2/81.9	
UOSSEL	CL	8	SV-33466	22 DD CLWP AIR MTR RS SV A	SSCRN	899	AT PMP ENG C.1.2/81.2	
UOSSEL	CL	8	SV-33467	22 DD CLWP AIR MTR SV B	SSCRN	899	AT PMP ENG C.1.2/81.2	
UOSSEL	CL	8	SV-33778	12 DD CLWP DSL JCKT CLR OUTL SV	SSCRN	705	ON CV-31423 C.1.5/81.3	CV-31423
UOSSEL	CL	8	SV-33777	22 DD CLWP DSL JCKT CLR OUTL SV	SSCRN	705	ON CV-31457 C.1.5/81.7	CV-31457
UOSSEL	FO	21	053-251	121 COOLING WATER PUMP DIESEL OIL STORAGE TANK	SSCRN	895	C.1/51.5	
UOSSEL	FO	21	053-252	122 COOLING WATER PUMP DIESEL OIL STORAGE TANK	SSCRN	895	B.1.5/51.5	
UOSSEL	SA	7	SA-58-1	12 CLG WTR PUMP - DIESEL STARTING AIR RELIEF VLV	SSCRN	700		
UOSSEL	SA	7	SA-58-3	22 CLG WTR PUMP - DIESEL STARTING AIR RELIEF VLV	SSCRN	700		
UOSSEL	ZH	5	045-581	121 CONTROL ROOM CHILLED WATER PUMP	AUX	775	G.6/8.7	
UOSSEL	ZH	5	045-582	122 CONTROL ROOM CHILLED WATER PUMP	AUX	755	G.6/8.3	
UOSSEL	ZH	21	053-381	121 CONTROL ROOM CHILLED WATER EXPANSION TANK	AUX	755		
UOSSEL	ZH	21	053-382	122 CONTROL ROOM CHILLED WATER EXPANSION TANK	AUX	755		
UOSSEL	ZH	10	074-031	121A RELAY ROOM FAN-COIL UNIT	AUX	715	H.3/8.5/ RELAY RM	
UOSSEL	ZH	10	074-032	121B RELAY ROOM FAN-COIL UNIT	AUX	715	G.7/8.5	
UOSSEL	ZH	10	074-033	122A RELAY ROOM FAN-COIL UNIT	AUX	715	H.3/9.5	
UOSSEL	ZH	10	074-034	122B RELAY ROOM FAN-COIL UNIT	AUX	715	G.7/8.5	
UOSSEL	ZH	11	075-011	121 CONTROL ROOM WATER CHILLER	AUX	755	G.7/8.0	
UOSSEL	ZH	11	075-012	122 CONTROL ROOM WATER CHILLER	AUX	755	G.7/10.0	
UOSSEL	ZH	20	57303	121 CONT RM WTR CHLLR LCL CONT PNL	AUX	755	G.7/8.0 ON CHLLR	075-011
UOSSEL	ZH	20	57304	122 CONT RM WTR CHLLR LCL CONT PNL	AUX	755	G.7/10.0 ON CHLLR	075-012

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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SDUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	BX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
MV-32159	SEISMIC/RELAY	OPEN	CLOSED	Y					X	NF-39217-2	NF-40315
MV-32332	RELAY	OPEN	OPEN	N					X	NF-39218-3	NF-40315
MV-32334	RELAY	OPEN	OPEN	N					X	NF-39217-2	NF-40315
SV-33133	SEISMIC/RELAY	CLOSED	OPEN (FC LPR)	Y					X	NF-39218-1	NF-40315
SV-33134	SEISMIC/RELAY	CLOSED	OPEN (FC LPR)	Y					X	NF-39218-1	NF-40315
SV-33343	ROB	OPERABLE	OPERABLE	Y					X	NF-39218-1	NF-40315
SV-33340	ROB	OPERABLE	OPERABLE	Y					X	NF-39218-1	NF-40315
SV-33404	SEISMIC	CLOSED	OPEN (FC LPR)	Y					X	NF-39232	NF-40315
SV-33405	SEISMIC	CLOSED	OPEN (FC LPR)	Y					X	NF-39232	NF-40315
SV-33408	SEISMIC	CLOSED	OPEN (FC LPR)	Y					X	NF-39232	NF-40315
SV-33407	SEISMIC	CLOSED	OPEN (FC LPR)	Y					X	NF-39232	NF-40315
SV-33776	ROB	EMERGI	DE-EMERGI	N					X	NF-39218-1	NF-40315
SV-33777	ROB	EMERGI	DE-EMERGI	N					X	NF-39218-1	NF-40315
053-251	SEISMIC	INTACT	INTACT	N					X	NF-39232	
053-252	SEISMIC	INTACT	INTACT	N					X	NF-39232	
SA-56-1	SEISMIC	CLOSED	CLOSED	N					X	NF-39232	
SA-56-3	SEISMIC	CLOSED	CLOSED	N					X	NF-39232	
045-581	SEISMIC/RELAY	ON	ON	Y					X	NF-39803-3	NF-40758
045-592	SEISMIC/RELAY	ON	ON	Y					X	NF-39803-3	NF-40758
053-381	SEISMIC	INTACT	INTACT	N					X	NF-39803-3	
053-382	SEISMIC	INTACT	INTACT	N					X	NF-39803-3	
074-031	SEISMIC/RELAY	ON	ON	Y					X	NF-39803-3	
074-032	SEISMIC/RELAY	ON	ON	Y					X	NF-39803-3	NF-40758
074-033	SEISMIC/RELAY	ON	ON	Y					X	NF-39803-3	NF-40758
074-034	SEISMIC/RELAY	ON	ON	Y					X	NF-39803-3	NF-40758
075-011	SEISMIC/RELAY	ON	ON	Y					X	NF-39803-3	NF-40758
075-012	SEISMIC/RELAY	ON	ON	Y					X	NF-39803-3	NF-40758
57303	ROB	INTACT	INTACT	N					X		NF-40758
57304	ROB	INTACT	INTACT	N					X		NF-40758

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Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
UOSSEL	ZH	7	CV-31758	122 N RLY RM FAN COIL TRN B CV	AUX	727	IN 1" LINE H.0/9.4	
UOSSEL	ZH	7	CV-31780	121 N RLY RM FAN COIL TRN A CV	AUX	727	IN 1" LINE G.5/8.8	
UOSSEL	ZH	7	CV-31781	122 S RLY RM FAN COIL TRN B CV	AUX	727	IN 1" LINE H.4/9.4	
UOSSEL	ZH	7	CV-31782	121 S RLY RM FAN COIL TRN A CV	AUX	727	IN 1" LINE H.4/8.8	
UOSSEL	ZH	7	CV-31789	121 CONT RM CHLLR UNIT CDSR CLG WTR OUTL TCV	AUX	750	IN 4" LINE G.8/7.8	
UOSSEL	ZH	7	CV-31785	122 CONT RM CHLLR UNIT CDSR CLG WTR OUTL TCV	AUX	750	IN 4" LINE G.8/10.2	
UOSSEL	ZH	7	ZH-18-1	121 CHILLER OUTLET - RLF	AUX	784		
UOSSEL	ZH	7	ZH-18-2	122 CHILLER OUTLET - RLF	AUX	784		
UOSSEL	ZN	10	078-021	121 CONTROL ROOM AIR HANDLER	AUX	755	G.5/8.5	
UOSSEL	ZN	10	078-022	122 CONTROL ROOM AIR HANDLER	AUX	755	G.5/8.5	
UOSSEL	ZN	10	CD-34143	121 CONT RM AIR HNDLR DSCH CD	AUX	782	IN DUCT G.5/8.8	
UOSSEL	ZN	10	CD-34144	122 CONT RM AIR HNDLR DSCH CD	AUX	782	IN DUCT G.5/8.1	
UOSSEL	ZH	8	SV-33820	121 CONT RM AIR HNDLR DSCH DMPR SV B	AUX	782	ON CD-34143 G.5/8.8	CD-34143
UOSSEL	ZN	8	SV-33821	122 CONT RM AIR HNDLR DSCH DMPR SV B	AUX	782	ON CD-34144 G.5/8.1	CD-34144
UOSSEL	ZR	9	132-281	11 SCREENHOUSE ROOF EXHAUST FAN	SSCRN	715	B1.3/81.7	
UOSSEL	ZR	9	132-291	11 SCREENHOUSE DIESEL COOLING SUPPLY FAN	SSCRN	895	E1.2/81.4	
UOSSEL	ZR	9	232-281	21 SCREENHOUSE ROOF EXHAUST FAN	SSCRN	715	B1.2/81.2	
UOSSEL	ZR	9	232-291	21 SCREENHOUSE DIESEL COOLING SUPPLY FAN	SSCRN	895	E1.0/81.7	
UOSSEL	ZR	10	CD-34138	11 SCVNG & COMBTN AIR CD	SSCRN	713	IN DUCT C1.8/81.0	
UOSSEL	ZR	10	CD-34137	11 CLASS I ROOF EXHT FAN DSCH CD	SSCRN	708	IN DUCT B1.1/81.8	
UOSSEL	ZR	10	CD-34138	21 CLASS I ROOF EXHT FAN DSCH CD	SSCRN	708	IN DUCT B1.1/81.2	
UOSSEL	ZR	10	CD-34139	21 SCVNG & COMBTN AIR CD	SSCRN	713	IN DUCT C1.8/101.0	
UOSSEL	ZR	8	SV-33883	11 SCVNG & COMBTN AIR DMPR SV A	SSCRN	713	ON CD-34138 C1.8/81.0	CD-34138
UOSSEL	ZR	8	SV-33894	11 CLASS I ROOF EXHT FAN DMPR SV	SSCRN	708	ON CD-34137 B1.1/81.8	CD-34137
UOSSEL	ZR	8	SV-33895	21 CLASS I ROOF EXHT FAN DMPR SV	SSCRN	708	ON CD-34138 B1.1/81.2	CD-34138
UOSSEL	ZR	8	SV-33896	21 SCVNG & COMBTN AIR DMPR SV A	SSCRN	713	ON CD-34138 C1.8/101.0	CD-34138
UOSSEL	ZR	8	SV-33828	11 SCVNG & COMBUSTION AIR DMPR SV B	SSCRN	713	ON CD-34138 C1.8/81.0	CD-34138
UOSSEL	ZR	8	SV-33829	21 SCVNG & COMBTN AIR DMPR SV B	SSCRN	713	ON CD-34139 C1.8/101.0	CD-34139
U1SSEL	AF	21	117-111	11 AUXILIARY FEEDWATER PUMP LUBE OIL COOLER	TURB	895	F.5/8.2	145-201

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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SOUQ EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
CV-31759	RELAY	OPEN	OPEN	N					X	NF-39803-3	NF-40758
CV-31760	RELAY	OPEN	OPEN	N					X	NF-39803-3	NF-40758
CV-31761	RELAY	OPEN	OPEN	N					X	NF-39803-3	NF-40758
CV-31762	RELAY	OPEN	OPEN	N					X	NF-39803-3	NF-40758
CV-31769	SEISMIC/RELAY	OPEN	OPEN (FC Air)	N					X	NF-39803-3	NF-40758
CV-31785	SEISMIC/RELAY	OPEN	OPEN (FC Air)	N					X	NF-39803-3	NF-40758
ZH-16-1	SEISMIC	CLOSED	CLOSED	N					X	NF-39803-3	
ZH-16-2	SEISMIC	CLOSED	CLOSED	N					X	NF-39803-3	
076-021	SEISMIC/RELAY	ON	ON	Y					X	NF-39803-3	NF-40781
076-022	SEISMIC/RELAY	OFF	OPERABLE	Y					X	NF-39803-3	NF-40781
CD-34143	SEISMIC/RELAY	OPEN	OPEN (FO Air)	N					X	NF-39803-1	NF-40781
CD-34144	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39803-1	NF-40781
SV-33820	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39803-1	NF-40781
SV-33821	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39803-1	NF-40781
132-281	SEISMIC/RELAY	OFF	ON	Y					X	NF-39803-1	NF-40783
132-291	SEISMIC/RELAY	OFF	ON	Y					X	NF-39803-1	NF-40783
232-281	SEISMIC/RELAY	OFF	ON	Y					X	NF-39803-1	NF-40783
232-281	SEISMIC/RELAY	OFF	ON	Y					X	NF-39803-1	NF-40783
CD-34136	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39803-1	NF-40783
CD-34137	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39803-1	NF-40783
CD-34138	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39803-1	NF-40783
CD-34139	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39803-1	NF-40783
SV-33693	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39803-1	NF-40783
SV-33694	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39803-1	NF-40783
SV-33695	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39803-1	NF-40783
SV-33696	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39803-1	NF-40783
SV-33828	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39803-1	NF-40783
SV-33829	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39803-1	NF-40783
117-111	ROB	INTACT	INTACT	N				X		NF-39222	NF-40783

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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SOUC EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
117-112	ROB	INTACT	INTACT	N				X		NF-39222	
145-201	SEISMIC	OFF	ON	N				X		NF-39222	NF-40312
145-331	SEISMIC/RELAY	OFF	ON	Y				X		NF-39222	NF-40312
17700	SEISMIC	INTACT	INTACT	N				X		NF-39222	NF-40312
17704	SEISMIC	INTACT	INTACT	N				X		NF-39222	NF-40312
17778	SEISMIC	INTACT	INTACT	N				X		NF-39222	NF-40312
17777	SEISMIC	INTACT	INTACT	N				X		NF-39222	NF-40312
18038	SEISMIC	INTACT	INTACT	N				X		NF-39222	NF-40312
18039	SEISMIC	INTACT	INTACT	N				X		NF-39222	NF-40312
AF-29-1	SEISMIC	CLOSED	CLOSED	N				X		NF-39222	
AF-29-2	SEISMIC	CLOSED	CLOSED	N				X		NF-39222	
CV-31153	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N				X		NF-39222	NF-40312
CV-31154	SEISMIC/RELAY	CLOSED	OPEN (FO)	N				X		NF-39222	NF-40312
CV-31998	SEISMIC/RELAY	CLOSED	OPEN (FO)	N				X		NF-39218	NF-40312
MV-32238	RELAY	OPEN	OPEN	N				X		NF-39222	NF-40312
MV-32239	SEISMIC/RELAY	OPEN	CLOSED	Y				X		NF-39222	NF-40312
MV-32242	RELAY	OPEN	OPEN	N				X		NF-39222	NF-40312
MV-32243	RELAY	OPEN	OPEN	N				X		NF-39222	NF-40312
MV-32381	SEISMIC/RELAY	OPEN	CLOSED	Y				X		NF-39222	NF-40312
MV-32382	RELAY	OPEN	OPEN	N				X		NF-39222	NF-40312
SV-33285	ROB	ENERGIZED	DE-ENERGIZED	N				X		NF-39222	NF-40312
SV-33288	ROB	ENERGIZED	DE-ENERGIZED	N				X		NF-39222	NF-40312
A	SEISMIC	INTACT	INTACT	N					X		
B-1	SEISMIC	INTACT	INTACT	N					X		
C-1	SEISMIC	INTACT	INTACT	N					X		
D-1	SEISMIC	INTACT	INTACT	N					X		
E-1	SEISMIC	INTACT	INTACT	N					X		
F-1	SEISMIC	INTACT	INTACT	N					X		
G-1	SEISMIC	INTACT	INTACT	N					X		

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	CL	7	CL-57-3	11 CONTM FAN COIL-RELIEF	CNTMT	730		
U1SSEL	CL	7	CL-57-4	12 CONTM FAN COIL-RELIEF	CNTMT	725		
U1SSEL	CL	7	CL-57-5	13 CONTM FAN COIL-RELIEF	CNTMT	728		
U1SSEL	CL	7	CL-57-6	14 CONTM FAN COIL-RELIEF	CNTMT	730		
U1SSEL	CL	7	CV-31505	D1 DSL GEN CLG WTR SPLY CV	TURB	699	AT DSL GEN KA.0/2.2	
U1SSEL	CL	7	CV-31506	D2 DSL GEN CLG WTR SPLY CV	TURB	699	AT DSL GEN JA.0/2.6	
U1SSEL	CL	7	CV-39201	11 & 13 FCU CLG WTR RTN B-P CV	AUX	736	IN 10" LINE J.5/6.4	
U1SSEL	CL	7	CV-39203	12 & 14 FCU CLG WTR RTN DRIF B-P CV	AUX	720	IN 10" LINE J.5/6.0	
U1SSEL	CL	8	MV-32025	11 TD AFW PUMP SUCT CLG WTR SUPPLY MV	TURB	707	IN 4" LINE F.2/8.3	
U1SSEL	CL	8	MV-32027	12 MD AFW PUMP SUCT CLG WTR SUPPLY MV	TURB	707	IN 4" LINE F.2/8.5	
U1SSEL	CL	8	MV-32031	1 TURB BLDG CLG WTR HDR MV	TURB	710	IN 24" LINE B.9/8.1	
U1SSEL	CL	8	MV-32132	11 FC CLG WTR RTRN ISOL MV A	CNTMT	738	IN 8" LINE 2/330	
U1SSEL	CL	8	MV-32133	11 FC CLG WTR RTRN ISOL MV B	AUX	741	IN 8" LINE J.5/5.8	
U1SSEL	CL	8	MV-32135	12 FC CLG WTR RTRN ISOL MV A	CNTMT	724	IN 8" LINE 2/321	
U1SSEL	CL	8	MV-32136	12 FC CLG WTR RTRN ISOL MV B	AUX	725	IN 8" LINE J.8/6.3	
U1SSEL	CL	8	MV-32138	13 FC CLG WTR RTRN ISOL MV A	CNTMT	737	IN 8" LINE 2/326	
U1SSEL	CL	8	MV-32139	13 FC CLG WTR RTRN ISOL MV B	AUX	741	IN 8" LINE J.8/6.0	
U1SSEL	CL	8	MV-32141	14 FC CLG WTR RTRN ISOL MV A	CNTMT	725	IN 8" LINE 2/317	
U1SSEL	CL	8	MV-32142	14 FC CLG WTR RTRN ISOL MV B	AUX	725	IN 8" LINE J.8/6.1	
U1SSEL	CL	8	MV-32145	11 CC HX CLG WTR INLET MV	AUX	704	IN 12" LINE G.3/8.3	
U1SSEL	CL	8	MV-32146	12 CC HX CLG WTR INLET MV	AUX	706	IN 12" LINE G.2/9.7	
U1SSEL	CL	8	MV-32322	11 AUX BLDG CLG WTR RTRN HDR MV	AUX	707	IN 24" LINE J.2/7.2	
U1SSEL	CL	8	MV-32371	11/12 TURB OIL COOLERS CLG WTR BYPASS MV	TURB	710	IN 4" LINE E.8/8.1	
U1SSEL	CL	8	MV-32377	11 FC CLG WTR INLT ISOL MV	AUX	746	IN 8" LINE J.8/6.3	
U1SSEL	CL	8	MV-32378	13 FC CLG WTR INLT ISOL MV	AUX	744	IN 8" LINE J.8/6.4	
U1SSEL	CL	8	MV-32379	12 FC CLG WTR INLT ISOL MV	AUX	727	IN 8" LINE J.8/5.8	
U1SSEL	CL	8	MV-32380	14 FC CLG WTR INLT ISOL MV	AUX	727	IN 8" LINE J.7/5.8	
U1SSEL	CL	8	SV-33186	D1 DSL GEN WTR SPLY SV	TURB	699	AT DSL GEN KA.0/2.2	CV-31505
U1SSEL	CL	8	SV-33187	D2 DSL GEN WTR SPLY SV	TURB	699	AT DSL GEN JA.0/2.6	CV-31506

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SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	FR	DH	SS	FLOW DIAG	LOGIC DIAG
CL-57-3	SEISMIC	CLOSED	CLOSED	N					X	NF-39218-4	
CL-57-4	SEISMIC	CLOSED	CLOSED	N					X	NF-39218-4	
CL-57-5	SEISMIC	CLOSED	CLOSED	N					X	NF-39218-4	
CL-57-6	SEISMIC	CLOSED	CLOSED	N					X	NF-39218-4	
CV-31505	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39255-1	NF-40325
CV-31506	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39255-1	NF-40325
CV-39201	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39218-3	NF-40315
CV-39203	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39218-3	NF-40315
MV-32025	SEISMIC/RELAY	CLOSED	OPEN (FO)	Y				X	X	NF-39218-2	NF-40312
MV-32027	SEISMIC/RELAY	CLOSED	OPEN	Y				X	X	NF-39217-1	NF-40312
MV-32031	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39218-2	NF-40315
MV-32132	RELAY	OPEN	OPEN	N					X	NF-39218-4	NF-40315
MV-32133	RELAY	OPEN	OPEN	N					X	NF-39218-3	NF-40315
MV-32135	RELAY	OPEN	OPEN	N					X	NF-39218-4	NF-40315
MV-32136	RELAY	OPEN	OPEN	N					X	NF-39218-3	NF-40315
MV-32138	RELAY	OPEN	OPEN	N					X	NF-39218-4	NF-40315
MV-32139	RELAY	OPEN	OPEN	N					X	NF-39218-3	NF-40315
MV-32141	RELAY	OPEN	OPEN	N					X	NF-39218-4	NF-40315
MV-32142	RELAY	OPEN	OPEN	N					X	NF-39218-3	NF-40315
MV-32145	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39218-3	NF-40315
MV-32146	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39218-3	NF-40315
MV-32322	RELAY	CLOSED	CLOSED	N					X	NF-39218-3	NF-40315
MV-32371	RELAY	CLOSED	CLOSED	N					X	NF-39218-3	NF-40315
MV-32377	RELAY	OPEN	OPEN	N					X	NF-39218-2	NF-40315
MV-32376	RELAY	OPEN	OPEN	N					X	NF-39218-3	NF-40315
MV-32379	RELAY	OPEN	OPEN	N					X	NF-39218-3	NF-40315
MV-32380	RELAY	OPEN	OPEN	N					X	NF-39218-3	NF-40315
SV-33186	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39255-1	NF-40325
SV-33187	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39255-1	NF-40325

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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SGUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
UTSSEL	CL	8	SV-37201	11 & 13 FCU CLG WTR RTN DRIF B-P SV	AUX	738	ON CV-39201 J.5/6.4	CV-39201
UTSSEL	CL	8	SV-37203	12 & 14 FCU CLG WTR RTN DRIF B-P SV	AUX	720	ON CV-39203 J.5/6.0	CV-39203
UTSSEL	D1	17	034-011	121 D1 DIESEL GENERATOR	TURB	685	K.5/2.4	
UTSSEL	D1	12	046-031	121 D1 DIESEL GENERATOR STARTUP AIR RECEIVER	AUX	695	D1 DIESEL GENERATOR ROOM	
UTSSEL	D1	21	053-201	121 D1 DIESEL GENERATOR FUEL OIL DAY TANK	TURB	700	L.8/2.8	
UTSSEL	D1	21	053-481	121 D1 DIESEL GENERATOR EXPANSION TANK	TURB	685	K.A.0/2.0/D1 EMERG GEN RM	
UTSSEL	D1	0	069-181	121 D1 DIESEL GENERATOR AIR INTAKE FILTER	TURB	715	K.1/2.2	
UTSSEL	D1	0	078-011	D1 DSL GEN EXHAUST MUFFLER	TURB	730	L.5/2.2	034-011
UTSSEL	D1	0	078-021	D1 DSL GEN AIR INTAKE SILENCER	TURB	710	K.2/2.2	034-011
UTSSEL	D1	18	16143	D1 DSL GEN ENG CRANKCASE PS	TURB	700	NR DSL ENG KA.5/2.2	
UTSSEL	D1	18	16206	D1 DSL GEN CLNT FROM ENG JCKT HI TRIP TS	TURB	705	IN CLNT OUITL HDR KA.5/2.2	
UTSSEL	D1	7	106-3	D1 JACKET CLNT HTR RELIEF	TURB	701	ON D1 DSL GEN K.5/2.4	034-011
UTSSEL	D1	20	55000	D1 DSL GEN GAUGE PANEL (DGP)	TURB	685	KA.3/2.8	034-011
UTSSEL	D1	20	55300	D1 DSL GEN ENGINEN PANEL (EGP)	TURB	685	KA.4/2.8	
UTSSEL	D1	20	55410	D1 REMOTE CONTROLS ISOLATION PANEL	TURB	686	LA.1/3.0 ON W WALL	
UTSSEL	D1	7	CV-31953	D1 DSL GEN AIR STRT CV A	TURB	700	AT DSL GEN KA.4/2.3	034-011
UTSSEL	D1	7	CV-31954	D1 DSL GEN AIR STRT CV B	TURB	700	AT DSL GEN KA.4/2.3	034-011
UTSSEL	D1	20	D1/GEN RLY PNL	D1 EMERG GEN RELAY PNL	TURB	685	LA.5/2.8/695TUR	
UTSSEL	D1	8	SV-33186	D1 DSL GEN CLNT EXPN TNK FILL SV	TURB	710	AT EXPN TNK KA.3/2.1	034-011
UTSSEL	D1	8	SV-33242	D1 DSL GEN AIR STRT VENT SV	TURB	697		
UTSSEL	D1	8	SV-33644	D1 DSL GEN AIR STRT SV A	TURB	697	ON CV-31953 KA.4/2.3	CV-31953
UTSSEL	D1	8	SV-33645	D1 DSL GEN AIR STRT SV B	TURB	697	ON CV-31954 KA.4/2.3	CV-31954
UTSSEL	D2	17	034-021	D2 DIESEL GENERATOR	TURB	695	H.3/2.4	
UTSSEL	D2	12	046-032	122 D2 DIESEL GENERATOR STARTUP AIR RECEIVER	AUX	685	D2 DIESEL GENERATOR ROOM	
UTSSEL	D2	21	053-202	122 D2 DIESEL GENERATOR FUEL OIL DAY TANK	TURB	700	J.1/2.8	
UTSSEL	D2	21	053-482	122 D2 DIESEL GENERATOR EXPANSION TANK	TURB	685	JA.0/2.0/D2 EMERG GEN RM	
UTSSEL	D2	0	069-182	122 D2 DIESEL GENERATOR AIR INTAKE FILTER	TURB	715	H.8/2.2	
UTSSEL	D2	0	078-012	D2 DSL GEN EXHAUST MUFFLER	TURB	710	L.3/1.7	034-021
UTSSEL	D2	0	078-022	D2 DSL GEN AIR INTAKE SILENCER	TURB	710	H.8/2.2	034-021



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SSEL COMPONENT ID	SQIP EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	PX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
SV-37201	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39218-3	NF-40315
SV-37203	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39218-3	NF-40315
034-011	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-39255-1	NF-40325
046-031	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
053-201	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
053-481	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
066-161	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
078-011	ROB	INTACT	INTACT	N					X	NF-39255-1	
078-021	ROB	INTACT	INTACT	N					X	NF-39255-1	
16143	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	NF-40325
16206	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	NF-40325
106-3	ROB	CLOSED	CLOSED	N					X	NF-39255-1	
55000	ROB	INTACT	INTACT	N					X	NF-40002-2	NF-40325
55300	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40325
55410	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40325
CV-31853	ROB/RELAY	CLOSED	OPERABLE	Y					X	NF-39255-1	NF-40325
CV-31854	ROB/RELAY	CLOSED	OPERABLE	Y					X	NF-39255-1	NF-40325
D1/GEN RLY PNL	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40325
SV-33188	ROB	OPERABLE	OPERABLE	Y					X	NF-39242	NF-40325
SV-33242	SEISMIC	CLOSES	OPERABLE	Y					X	NF-39255-1	NF-40325
SV-33844	ROB	OPEN	OPERABLE	Y					X	NF-39255-1	NF-40325
SV-33645	ROB	OPEN	OPERABLE	Y					X	NF-39255-1	NF-40325
034-021	SEISMIC/RELAY	STANDBY	STANDBY/OPERABLE	Y					X	NF-39255-1	NF-40325
046-032	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
053-202	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
053-482	SEISMIC	INTACT	INTACT	N					X	NF-39242	
066-162	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
078-012	ROB	INTACT	INTACT	N					X	NF-39255-1	
078-022	ROB	INTACT	INTACT	N					X	NF-39255-1	

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APPLICABLE UNIT	PLANT SYSTEM	SGUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	D2	18	16144	D2 DSL GEN ENG CRANKCASE PS	TURB	897	NR DSL ENG HA.0/2.2	
U1SSEL	D2	18	16207	D2 DSL GEN CLNT FROM ENG JCKT HI TRIP TS	TURB	705	IN CLNT OUTL HDR HG.8/2.2	
U1SSEL	D2	7	2DG-3	D2 JACKET CLNT HTR RELIEF	TURB	895	ON D2 DSL GEN H.3/2.4	034-021
U1SSEL	D2	20	55500	D2 DSL GEN GAUGE PANEL (DGP)	TURB	895	HA.8/2.2	034-021
U1SSEL	D2	20	55800	D2 DSL GEN ENG/GEN PANEL (EGP)	TURB	895	HA.8/2.8	
U1SSEL	D2	7	CV-31855	D2 DSL GEN AIR STRT CV A	TURB	700	AT DLS GEN HA.7/2.7	034-021
U1SSEL	D2	7	CV-31858	D2 DSL GEN AIR STRT CV B	TURB	700	AT DSL GEN HA.7/2.7	034-021
U1SSEL	D2	20	D2/GEN RLY PNL	D2 EMERG GEN RELAY PNL	TURB	895		
U1SSEL	D2	8	SV-33189	D2 DSL GEN CLNT EXPN TNK FILL SV	TURB	710	AT EXPN TNK HA.7/2.1	034-021
U1SSEL	D2	8	SV-33245	D2 DSL GEN AIR STRT VENT SV	TURB	897	AT MD CMPR HA.7/2.7	
U1SSEL	D2	8	SV-33648	D2 DSL GEN AIR STRT SV A	TURB	887	ON CV-31855 HA.7/2.7	CV-31855
U1SSEL	D2	8	SV-33774	D2 DSL GEN AIR STRT SV B	TURB	887	ON CV-31858 HA.7/2.7	CV-31858
U1SSEL	DC	15	11 BATT	11 STATION BATTERY	TURB	895		
U1SSEL	DC	18	11 BATT CHG	11 BATTERY CHARGER	TURB	895	11 BATT RM	
U1SSEL	DC	4	11 BATT CHG/XFM	11 BATTERY CHARGER TRANSFORMER	TURB	895	11 BATT RM	11 BATT CHG
U1SSEL	DC	15	12 BATT	12 BATTERY	TURB	895		
U1SSEL	DC	18	12 BATT CHG	12 BATTERY CHARGER	TURB	895	12 BATT RM	
U1SSEL	DC	4	12 BATT CHG/XFM	12 BATTERY CHARGER TRANSFORMER	TURB	895	12 BATT RM	12 BATT CHG
U1SSEL	DC	14	PNL 11	DISTRIBUTION PANEL 11	TURB	895	C.8/8.8 11 BATTERY ROOM	
U1SSEL	DC	14	PNL 12	DISTRIBUTION PANEL 12	TURB	895	D.7/8.8 12 BATTERY ROOM	
U1SSEL	DC	14	PNL 15	NUCLEAR DISTRIBUTION PANEL 15	TURB	715	G.0/8.3	
U1SSEL	DC	14	PNL 151	DISTRIBUTION PANEL 151	AUX	715	J.0/5.0 NEAR MCC 1L1	
U1SSEL	DC	14	PNL 16	NUCLEAR DISTRIBUTION PANEL 16	TURB	715	G.5/8.5	
U1SSEL	DC	14	PNL 161	DC DISTRIBUTION PANEL 161	AUX	715	K.5/7.2 ENTRY TO VLV GALLERY	
U1SSEL	DC	14	PNL 162	DC DISTRIBUTION PANEL 162	AUX	715	L.0/7.0 NEAR PENET CAB 1138	
U1SSEL	DC	14	PNL 17	DC DISTRIBUTION PANEL 17	SSCRN	895	B1.5/81.3 NEAR 11 CL STRAIN	
U1SSEL	DC	14	PNL 18	DC DISTRIBUTION PANEL 18	SSCRN	895	B1.5/81.7 NEAR 21 CL STRAIN	
U1SSEL	DC	14	PNL 191	DC DISTRIBUTION PANEL 191	AUX	715	J.3/4.1 SW SIDE OF RWST	
U1SSEL	E1	4	D1/GND XFMR	NEUTRAL GROUNDING TRANSFORMER	TURB	895		55300

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SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
16144	SEISMIC	INTACT	INTACT	N					X	NF-29255-1	NF-40325
16207	SEISMIC	INTACT	INTACT	N					X	NF-38255-1	NF-40325
2DG-3	ROB	CLOSED	CLOSED	N					X	NF-38255-1	
55500	ROB	INTACT	INTACT	N					X	NF-40002-2	NF-40325
55800	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40325
CV-31955	ROB/RELAY	CLOSED	OPERABLE(FC)	Y					X	NF-38255-1	NF-40325
CV-31956	ROB/RELAY	CLOSED	OPERABLE(FC)	Y					X	NF-38255-1	NF-40325
D2/GEN RLY PNL	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40325
SV-33169	ROB	OPERABLE	OPERABLE	Y					X	NF-38242	NF-40325
SV-33245	SEISMIC	CLOSED	OPERABLE	Y					X	NF-38255-1	NF-40325
SV-33648	ROB	OPEN	OPERABLE	Y					X	NF-38255-1	NF-40325
SV-33774	ROB	OPEN	OPERABLE	Y					X	NF-38255-1	NF-40325
11 BATT	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
11 BATT CHG	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
11 BATT CHG/XFM	ROB	INTACT	INTACT	Y					X	NF-40024-1	
12 BATT	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
12 BATT CHG	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
12 BATT CHG/XFM	ROB	INTACT	INTACT	Y					X	NF-40024-1	
PNL 11	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
PNL 12	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
PNL 15	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
PNL 151	SEISMIC	INTACT	INTACT	Y					X	NF-40024-3	
PNL 16	SEISMIC	INTACT	INTACT	Y					X	NF-40024-2	
PNL 161	SEISMIC	INTACT	INTACT	Y					X	NF-40024-3	
PNL 162	SEISMIC	INTACT	INTACT	Y					X	NF-40024-3	
PNL 17	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
PNL 18	SEISMIC	INTACT	INTACT	Y					X	NF-40024-2	
PNL 181	SEISMIC	INTACT	INTACT	Y					X	NF-40024-4	
D1/GND XFMR	ROB	INTACT	INTACT	N					X	NF-40002-2	

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
UTSSEL	E2	4	D21GND XFMR	NEUTRAL GROUNDING TRANSFORMER	TURB	695	G.712.802 DSL GEN RM	55000
UTSSEL	EA	20	B15 LOGIC-1	BUS 15 LOGIC RELAY CAB 1	TURB	715	E.318.0	
UTSSEL	EA	20	B15 LOGIC-2	BUS 15 LOGIC CAB 2	TURB	715	E.318.0	
UTSSEL	EA	20	B15 LOAD SEQ CAB	BUS 15 SAFEGUARDS LOAD SEQUENCER CABINET	TURB	715		
UTSSEL	EA	20	B16 LOAD SEQ CAB	BUS 16 SAFEGUARDS LOAD SEQUENCER CABINET	TURB	715		
UTSSEL	EA	3	BKR 15-11	BUS 15 FEED TO 111M XFMR	TURB	715	E.018.7 15 BUS ROOM	BUS 15
UTSSEL	EA	3	BKR 15-12	BUS 15 FEED TO 21A XFMR	TURB	715	E.018.7 15 BUS ROOM	BUS 15
UTSSEL	EA	3	BKR 15-2	BUS 15 SOURCE FROM D1 DSL GEN	TURB	715	E.018.7 15 BUS ROOM	BUS 15
UTSSEL	EA	3	BKR 15-3	BUS 15 SOURCE FROM 1RY XFMR	TURB	715	E.018.7 15 BUS ROOM	BUS 15
UTSSEL	EA	3	BKR 15-6	BUS 15 FEED TO 112M XFMR	TURB	715	E.018.7 15 BUS ROOM	BUS 15
UTSSEL	EA	3	BKR 15-7	BUS 15 SOURCE FROM BUS CT11	TURB	715	E.018.7 15 BUS ROOM	BUS 15
UTSSEL	EA	3	BKR 15-8	BUSTIE BUS 15/BUS 25	TURB	715	E.018.7 15 BUS ROOM	BUS 15
UTSSEL	EA	3	BKR 16-10	BUSTIE BUS 16/BUS 28	TURB	715	F.518.7 16 BUS ROOM	BUS 16
UTSSEL	EA	3	BKR 16-11	BUS 16 FEED TO 122M XFMR	TURB	715	F.518.7 16 BUS ROOM	BUS 16
UTSSEL	EA	3	BKR 16-2	BUS 16 FEED TO 22A XFMR	TURB	715	F.518.7 16 BUS ROOM	BUS 16
UTSSEL	EA	3	BKR 16-3	BUS 16 SOURCE FROM 1RY XFMR	TURB	715	F.518.7 16 BUS ROOM	BUS 16
UTSSEL	EA	3	BKR 16-4	12 AFW PUMP	TURB	715	F.518.7 16 BUS ROOM	BUS 16
UTSSEL	EA	3	BKR 16-8	BUS 16 FEED TO 121M XFMR	TURB	715	F.518.7 16 BUS ROOM	BUS 16
UTSSEL	EA	3	BKR 16-8	BUS 16 SOURCE FROM BUS CT11	TURB	715	F.518.7 16 BUS ROOM	BUS 16
UTSSEL	EA	3	BKR 16-9	BUS 16 SOURCE FROM D2 DSL GEN	TURB	715	F.518.7 16 BUS ROOM	BUS 16
UTSSEL	EA	3	BUS 15	BUS 15 4.16KV SWITCHGEAR	TURB	715	F.518.7 16 BUS ROOM	BUS 16
UTSSEL	EA	3	BUS 16	BUS 16 4.16KV SWITCHGEAR	TURB	715	F.518.7 16 BUS ROOM	BUS 16
UTSSEL	EB	4	111M/XFMR	111M TRANSFORMER	TURB	715	BUS 111	
UTSSEL	EB	4	112M/XFMR	112M TRANSFORMER	AUX	735	BUS 112	
UTSSEL	EB	4	121M/XFMR	121M TRANSFORMER	TURB	715	BUS 121	
UTSSEL	EB	4	122M/XFMR	122M TRANSFORMER	AUX	735	BUS 122	
UTSSEL	EB	4	1PZR HTR A/XFMR	1 PZR HTR GRP A TRANSFORMER	AUX	735	H.113.81735AUX	
UTSSEL	EB	4	1PZR HTR B/XFMR	1 PZR HTR GRP B TRANSFORMER	AUX	735	H.113.81735AUX	
UTSSEL	EB	2	BKR 111A	BUS 111 SOURCE FROM 11A XFMR	TURB	715	E.018.3 111 BUS ROOM	BUS 111

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SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
D2/GND XFMR	ROB	INTACT	INTACT	N					X	NF-40002-2	
B15 LOGIC-1	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40019
B15 LOGIC-2	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40019
B15/LOAD SEQ CAB	IEEE 344	INTACT	INTACT	Y					X	NF-40002-2	NF-40019
B16/LOAD SEQ CAB	IEEE 344	INTACT	INTACT	Y					X	NF-40002-2	NF-40019
BKR 15-11	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40002-3	NF-40019
BKR 15-12	ROB/RELAY	OPEN	OPEN	N					X	NF-40002-3	NF-40019
BKR 15-2	ROB/RELAY	OPEN	CLOSED	Y					X	NF-40002-3	NF-40019
BKR 15-3	ROB/RELAY	CLOSED	OPEN	Y					X	NF-40002-3	NF-40019
BKR 15-6	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40002-3	NF-40019
BKR 15-7	ROB/RELAY	OPEN	OPEN	N					X	NF-40002-3	NF-40019
BKR 15-8	ROB/RELAY	OPEN	OPEN	N					X	NF-40002-3	NF-40019
BKR 16-10	ROB/RELAY	OPEN	OPEN	N					X	NF-40002-3	NF-40019
BKR 16-11	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40002-3	NF-40019
BKR 16-12	ROB/RELAY	OPEN	OPEN	N					X	NF-40002-3	NF-40019
BKR 16-2	ROB/RELAY	OPEN	OPEN	N					X	NF-40002-3	NF-40019
BKR 16-3	ROB	OPEN	CLOSED	Y				X	X	NF-40002-3	NF-40019
BKR 16-4	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40002-3	NF-40019
BKR 16-8	ROB/RELAY	CLOSED	OPEN	Y					X	NF-40002-3	NF-40019
BKR 16-9	ROB/RELAY	OPEN	CLOSED	Y					X	NF-40002-3	NF-40019
BUS 15	SEISMIC/RELAY	INTACT	INTACT	Y					X	NF-40002-3	NF-40019
BUS 16	SEISMIC/RELAY	INTACT	INTACT	Y					X	NF-40002-3	NF-40019
111M/XFMR	IEEE 344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
112M/XFMR	IEEE 344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
121M/XFMR	IEEE 344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
122M/XFMR	IEEE 344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
1PZRHTRA/XFMR	SEISMIC	INTACT	INTACT	Y			X		X	NF-40022-1	NF-40015
1PZRHTRB/XFMR	SEISMIC	INTACT	INTACT	Y			X		X	NF-40022-1	NF-40015
BKR 111A	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-1	NF-40015

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	EB	2	BKR 111C	480V MCC 1A BUS 1 FEEDER FROM 111	TURB	715	E.0/9.3 111 BUS ROOM	BUS 111
U1SSEL	EB	2	BKR 111E	480V MCC 1A BUS 1 FEEDER FROM 111	TURB	715	E.0/9.3 111 BUS ROOM	BUS 111
U1SSEL	EB	2	BKR 111F	480V MCC 1AC BUS 1 FEEDER FROM 111	TURB	715	E.0/9.3 111 BUS ROOM	BUS 111
U1SSEL	EB	2	BKR 111J	480V MCC 1K BUS 1 FEEDER FROM 111	TURB	715	E.0/9.3 111 BUS ROOM	BUS 111
U1SSEL	EB	2	BKR 111K	480V MCC 1TA BUS 1 FEEDER FROM 111	TURB	715	E.0/9.3 111 BUS ROOM	BUS 111
U1SSEL	EB	2	BKR 111M	BUS 111 SOURCE FROM 111M XFMR	TURB	715	E.0/9.3 111 BUS ROOM	BUS 111
U1SSEL	EB	2	BKR 112A	BUS 112 SOURCE FROM 11A XFMR	AUX	735	G.3/5.8 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112C	480V MCC 1S1 & PZR HTRS FEEDER FROM 112	AUX	735	G.3/5.8 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112E	480V MCC 1L BUS 1 FEEDER FROM 112	AUX	735	G.3/5.8 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112G	480V MCC 1T BUS 1 FEEDER FROM 112 (NORMAL FEED)	AUX	735	G.3/5.8 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112J	480V MCC 1X BUS 1 FEEDER FROM 112	AUX	735	G.3/5.8 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112K	480V MCC 1M BUS 1 FEEDER FROM 112	AUX	735	G.3/5.8 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112L	480V MCC 1LA BUS 1 FEEDER FROM 112	AUX	735	G.3/5.8 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112M	BUS 112 SOURCE FROM 112M XFMR	AUX	735	G.3/5.8 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 121A	BUS 121 SOURCE FROM 12A XFMR	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121B	480V MCC 1KA BUS 1 FEEDER FROM 121	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121C	480V MCC 1AB BUS 2 FEEDER FROM 121 (ALT FEED)	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121E	480V MCC 1A BUS 2 FEEDER FROM 121	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121F	480V MCC 1AC BUS 2 FEEDER FROM 121	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121J	480V MCC 1K BUS FEEDER FROM 121	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121K	480V MCC 1TA BUS 2 FEEDER FROM 121	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121M	BUS 121 SOURCE FROM 121M XFMR	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 122A	BUS 122 SOURCE FROM 12A XFMR	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122C	480V MCC 1R1 & PZR HTRS GRP B FEEDER FROM 122	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122E	480V MCC 1L BUS 2 FEEDER FROM 122	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122F	480V MCC 1MA BUS 2 FEEDER FROM 122	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122G	480V MCC 1T BUS 2 FEEDER FROM 122 (NORMAL FEED)	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122J	480V MCC 1X BUS 2 FEEDER FROM 122	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122K	480V MCC 1M BUS 2 FEEDER FROM 122	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122

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SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
BKR 111C	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 111E	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 111F	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 111J	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 111K	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 111M	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 112A	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-1	NF-40015
BKR 112C	ROB/RELAY	CLOSED	CLOSED	Y					X	NF-60022-1	NF-40015
BKR 112E	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 112G	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 112J	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 112K	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 112L	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 112M	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 121A	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-1	NF-40015
BKR 121B	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 121C	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 121E	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 121F	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 121J	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 121K	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 121M	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 122A	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-1	NF-40015
BKR 122C	ROB/RELAY	CLOSED	CLOSED	Y					X	NF-40022-1	NF-40015
BKR 122E	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 122F	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 122G	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 122J	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 122K	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	EB	2	BKR 122L	480V MCC 1LA BUS 2 FEEDER FROM 122	AUX	735	G.2/12.6 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122M	BUS 122 SOURCE FROM 122M XFMR	AUX	735	G.2/12.6 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BUS 111	BUS 111 480V SWITCHGEAR	TURB	715	E.0/9.3 111 BUS ROOM	
U1SSEL	EB	2	BUS 112	BUS 112 480V SWITCHGEAR	AUX	735	G.3/5.8 112 BUS ROOM	
U1SSEL	EB	2	BUS 121	BUS 121 480V SWITCHGEAR	TURB	715	F.0/9.3 121 BUS ROOM	
U1SSEL	EB	2	BUS 122	BUS 122 480V SWITCHGEAR	AUX	735	G.2/12.6 122 BUS ROOM	
U1SSEL	EB	1	MCC 1A1	MOTOR CONTROL CENTER 1A BUS 1	TURB	895	F.6/8.9 11/21 AFW PUMP ROOM	
U1SSEL	EB	1	MCC 1A2	MOTOR CONTROL CENTER 1A BUS 2	TURB	895	E.5/8.4 11/21 AFW PUMP ROOM	
U1SSEL	EB	1	MCC 1AB1	MOTOR CONTROL CENTER 1AB BUS 1	SSCRN	895	B.1.2/91.6 NEAR 11/12 CL STR	
U1SSEL	EB	1	MCC 1AB2	MOTOR CONTROL CENTER 1AB BUS 2	SSCRN	895	B.1.2/91.4 NEAR 21/22 CL STR	
U1SSEL	EB	1	MCC 1AC1	MOTOR CONTROL CENTER 1AC BUS 1	TURB	895	C.6/8.3 11 BATTERY ROOM	
U1SSEL	EB	1	MCC 1AC2	MOTOR CONTROL CENTER 1AC BUS 2	TURB	895	D.4/8.6 12 BATTERY ROOM	
U1SSEL	EB	1	MCC 1K1	MOTOR CONTROL CENTER 1K BUS 1	AUX	895	G.2/5.2 NEAR RHR PIT	
U1SSEL	EB	1	MCC 1K2	MOTOR CONTROL CENTER 1K BUS 2	AUX	895	G.6/8.5 NEAR CHG PUMPS	
U1SSEL	EB	1	MCC 1L1	MOTOR CONTROL CENTER 1L BUS 1	AUX	715	J.2/5.2 NEAR PENET CAB 1134	
U1SSEL	EB	1	MCC 1L2	MOTOR CONTROL CENTER 1L BUS 2	AUX	715	J.4/8.4 NEAR 11 VCT ROOM	
U1SSEL	EB	1	MCC 1LA1	MOTOR CONTROL CENTER 1LA BUS 1	AUX	735	J.2/5.2 NEAR PERS AIRLOCK	
U1SSEL	EB	1	MCC 1LA2	MOTOR CONTROL CENTER 1LA BUS 2	AUX	735	H.7/5.8 NEAR ELEVATOR	
U1SSEL	EB	1	MCC 1R1	MOTOR CONTROL CENTER 1R BUS 1 & 2	TURB	735	H.2/3.7 U1 ROD DRIVE RM	
U1SSEL	EB	1	MCC 1S1	MOTOR CONTROL CENTER 1S BUS 1	TURB	735	H.3/3.7 U1 ROD DRIVE RM	
U1SSEL	EB	1	MCC 1T1	MOTOR CONTROL CENTER 1T BUS 1	AUX	755	G.4/8.1 121 CONT RM CHLR RM	
U1SSEL	EB	1	MCC 1T2	MOTOR CONTROL CENTER 1T BUS 2	AUX	755	G.4/10.0 122 CONT RM CHLR R	
U1SSEL	EB	1	MCC 1TA1	MOTOR CONTROL CENTER 1TA BUS 1	TURB	895	K.8/2.8 D1 DIESEL ROOM	
U1SSEL	EB	1	MCC 1TA2	MOTOR CONTROL CENTER 1TA BUS 2	TURB	895	H.3/2.8 D2 DIESEL ROOM	
U1SSEL	EB	1	MCC 1X1	MOTOR CONTROL CENTER 1X BUS 1	AUX	715	J.4/5.2 NEAR PENET CAB 1134	
U1SSEL	EB	1	MCC 1X2	MOTOR CONTROL CENTER 1X BUS 2	AUX	715	J.4/6.1 NEAR 11 VCT ROOM	
U1SSEL	ED	0	TB 1203	RELAY ROOM AUX RELAY CABINET	AUX	715	G/8	
U1SSEL	ED	20	TB 1209	RELAY ROOM TERMINAL BOX	AUX	715	H/8	
U1SSEL	ED	20	TB 1243	TB FOR 12 CHARGING PUMP	AUX	895	G/7	



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SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
BKR 122L	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 122M	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BUS 111	IEEE-344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
BUS 112	IEEE-344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
BUS 121	IEEE-344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
BUS 122	IEEE-344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
MCC 1A1	SEISMIC	INTACT	INTACT	Y					X	NF-40028	NF-40015
MCC 1A2	SEISMIC	INTACT	INTACT	Y					X	NF-40028	NF-40015
MCC 1AB1	SEISMIC	INTACT	INTACT	Y					X	NF-40028	NF-40015
MCC 1AB2	SEISMIC	INTACT	INTACT	Y					X	NF-40028	NF-40015
MCC 1AC1	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	NF-40015
MCC 1AC2	SEISMIC	INTACT	INTACT	Y					X	NF-40024-2	NF-40015
MCC 1K1	SEISMIC	INTACT	INTACT	Y					X	NF-40038	NF-40015
MCC 1K2	SEISMIC	INTACT	INTACT	Y					X	NF-40038	NF-40015
MCC 1L1	SEISMIC	INTACT	INTACT	Y					X	NF-40037	NF-40015
MCC 1L2	SEISMIC	INTACT	INTACT	Y					X	NF-40037	NF-40015
MCC 1LA1	SEISMIC	INTACT	INTACT	Y					X	NF-40037	NF-40015
MCC 1LA2	SEISMIC	INTACT	INTACT	Y					X	NF-40037	NF-40015
MCC 1R1	SEISMIC	INTACT	INTACT	Y					X	NF-40053	NF-40015
MCC 1S1	SEISMIC	INTACT	INTACT	Y					X	NF-40040	NF-40015
MCC 1T1	SEISMIC	INTACT	INTACT	Y					X	NF-82982	NF-40015
MCC 1T2	SEISMIC	INTACT	INTACT	Y					X	NF-82982	NF-40015
MCC 1TA1	SEISMIC	INTACT	INTACT	Y					X	NF-40038	NF-40015
MCC 1TA2	SEISMIC	INTACT	INTACT	Y					X	NF-40038	NF-40015
MCC 1X1	SEISMIC	INTACT	INTACT	Y					X	NF-40023	NF-40015
MCC 1X2	SEISMIC	INTACT	INTACT	Y					X	NF-40023	NF-40015
TB 1203	SEISMIC	INTACT	INTACT	N					X		
TB 1209	SEISMIC	INTACT	INTACT	N					X		
TB 1243	SEISMIC	INTACT	INTACT	N					X		

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APPLICABLE UNIT	PLANT SYSTEM	SQUID EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	ED	20	TB 1244	TB FOR 11 CHARGING PUMP	AUX	895	G/7	
U1SSEL	ED	20	TB A1840	11 TD AUX FEEDWATER PUMP RELAY CABINET	AUX	895	G/8	
U1SSEL	EM	20	IICCM-PDA	IICCM UNIT1 TRAIN A PLASMA DISPLAY	TURB	735	G.2/8.D CONTROL ROOM	
U1SSEL	EM	20	IICCM-POB	IICCM UNIT1 TRAIN A PLASMA DISPLAY	TURB	735	G.2/8.D CONTROL ROOM	
U1SSEL	EM	18	1LE-751	11 RX VSL HEAD TRN A HIGH VOL SENSOR	CNTMT	738	ON S POOL WALL 45/43	
U1SSEL	EM	18	1LE-753	11 RX VSL SEAL TABLE TRN A HIGH VOL SENSOR	CNTMT	729	ON W POOL WALL 33/31	
U1SSEL	EM	18	1LE-781	12 RX VSL HEAD TRN B HIGH VOL SENSOR	CNTMT	738	ON S POOL WALL 45/43	
U1SSEL	EM	18	1LE-783	12 RX VSL SEAL TABLE TRN B HIGH VOL SENSOR	CNTMT	729	ON W POOL WALL 33/31	
U1SSEL	EM	20	1LI-920	11 RWST LVL IND	AUX	735	CONTROL PANEL B-1	B-1
U1SSEL	EM	20	1LI-821	11 RWST LVL IND	AUX	735	CONTROL PANEL B-1	B-1
U1SSEL	EM	20	1LM-487A	STM GEN LEVEL WR IE ISOLATOR	AUX	735	RACK EM-A1	EM-A1
U1SSEL	EM	20	1LM-487B	STM GEN LEVEL WR EIE ISOLATOR	AUX	735	RACK EM-A1	EM-A1
U1SSEL	EM	20	1LM-488A	STM GEN LEVEL WR IE ISOLATOR	AUX	735	RACK EM-B1	EM-B1
U1SSEL	EM	20	1LM-488B	STM GEN LEVEL WR EIE ISOLATOR	AUX	735	RACK EM-B1	EM-B1
U1SSEL	EM	20	1LM-750	IICCM U1 TRN A MICROPROCESSOR 1LM-750	TURB	735	G.2/8.D CONTROL ROOM	
U1SSEL	EM	20	1LM-760	IICCM U1 TRN B MICROPROCESSOR 1LM-760	TURB	735	G.2/8.D CONTROL ROOM	
U1SSEL	EM	20	1LM-920A	11 RWST LVL IE CNVTR	AUX	735	RACK EM-A1	EM-A1
U1SSEL	EM	20	1LM-921A	11 RWST LVL IE CNVTR	AUX	735	RACK EM-B1	EM-B1
U1SSEL	EM	20	1LR-460	11 STM GEN LVL WIDE RANGE RCOR (3 PEN)	AUX	735	CONTROL PANEL D-1	D-1
U1SSEL	EM	20	1LR-470	12 STM GEN LVL WIDE RANGE RCOR (3 PEN)	AUX	735	CONTROL PANEL D-1	D-1
U1SSEL	EM	18	1LT-487	11 STM GEN LOOP A WR LVL XMTR	CNTMT	718	ON SHLD WALL 6/182	
U1SSEL	EM	18	1LT-488	12 STM GEN LOOP B WR LVL XMTR	CNTMT	718	ON SHLD WALL 18/337	
U1SSEL	EM	18	1LT-751	11 RX VSL HEAD UPPER RING TRN A DIP XMTR	AUX	735	ON INSTR RACK J.5/4.2	
U1SSEL	EM	18	1LT-753	11 RX VSL HEAD DYNAMIC RING TRN A DIP XMTR	AUX	735	ON INSTR RACK J.5/4.2	
U1SSEL	EM	18	1LT-781	12 RX VSL HEAD UPPER RING TRN B DIP XMTR	AUX	735	ON INSTR RACK J.5/4.5	
U1SSEL	EM	18	1LT-783	12 RX VSL HEAD DYNAMIC RING TRN B DIP XMTR	AUX	735	ON INSTR RACK J.5/4.5	
U1SSEL	EM	18	1LT-920	11 RWST LVL XMTR	AUX	700	ON E SIDE WALL J.3/4.3	
U1SSEL	EM	18	1LT-921	11 RWST LVL XMTR	AUX	700	ON E SIDE WALL J.3/4.3	
U1SSEL	EM	18	1TE-450A	1 REAC CLNT LOOP A HOT LEG RTD	CNTMT	723	IN 28" LINE 26/193	

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SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
TR 1244	SEISMIC	INTACT	INTACT	N					X		
TR A1640	SEISMIC	INTACT	INTACT	N					X		
HCCM-PDA	SEISMIC	INTACT	INTACT	N					X		
HCCM-PDB	SEISMIC	INTACT	INTACT	N					X		
1LE-751	SEISMIC	INDICATING	INDICATING	N		X				XH-1-7	
1LE-753	SEISMIC	INDICATING	INDICATING	N		X				XH-1-7	
1LE-761	SEISMIC	INDICATING	INDICATING	N		X				XH-1-7	
1LE-763	SEISMIC	INDICATING	INDICATING	N		X				XH-1-7	
1LI-920	ROB	INDICATING	INDICATING	Y	X	X				XH-1-45	NF-40783
1LI-921	ROB	INDICATING	INDICATING	Y	X	X				XH-1-45	NF-40783
1LM-487A	ROB	INDICATING	INDICATING	Y				X		NF-39218	
1LM-487B	ROB	INDICATING	INDICATING	Y				X		NF-39218	
1LM-488A	ROB	INDICATING	INDICATING	Y				X		NF-39218	
1LM-488B	ROB	INDICATING	INDICATING	Y				X		NF-39218	
1LM-750	SEISMIC	INTACT	INTACT	N					X		
1LM-760	SEISMIC	INTACT	INTACT	N					X		
1LM-920A	ROB	INDICATING	INDICATING	Y	X	X				XH-1-45	NF-40783
1LM-921A	ROB	INDICATING	INDICATING	Y	X	X				XH-1-45	NF-40783
1LR-460	ROB	INDICATING	INDICATING	Y				X		NF-39218	
1LR-470	ROB	INDICATING	INDICATING	Y				X		NF-39218	
1LT-487	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39218	
1LT-488	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39218	
1LT-751	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-753	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-761	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-763	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-920	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X				XH-1-45	NF-40783
1LT-921	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X				XH-1-45	NF-40783
1TE-450A	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		XH-1-7	

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	EM	19	1TE-451A	1 REAC CLNT LOOP B HOT LEG RTD	CNTMT	723	IN 29" LINE 35/352	
U1SSEL	EM	20	1TM-450AA	RCS TEMP TH E/E ISOLATOR	AUX	735	RACK EM-A1	EM-A1
U1SSEL	EM	20	1TM-451AA	RCS TEMP TH E/E ISOLATOR	AUX	735	RACK EM-B1	EM-B1
U1SSEL	EM	20	1TR-450	1 REAC CLNT LP A HOT/COLD LEG TEMP RCDR (2 PEN)	AUX	735	CONTROL PANEL C-1	C-1
U1SSEL	EM	20	1TR-451	1 REAC CLNT LP B HOT/COLD LEG TEMP RCDR (2 PEN)	AUX	735	CONTROL PANEL C-1	C-1
U1SSEL	EM	20	1TT-450A	R/E RCS TEMPERATURE TH	AUX	735	RACK EM-A1	EM-A1
U1SSEL	EM	20	1TT-451A	R/E RCS TEMPERATURE TH	AUX	735	RACK EM-B1	EM-B1
U1SSEL	EM	20	EM-A1	EVENT MONITORING RACK EM-A1	AUX	735	120 BUS RM	
U1SSEL	EM	20	EM-A3	EVENT MONITORING RACK EM-A3	AUX	735	120 BUS RM	
U1SSEL	EM	20	EM-B1	EVENT MONITORING RACK EM-B1	AUX	735	220 BUS RM	
U1SSEL	EM	20	EM-B3	EVENT MONITORING RACK EM-B3	AUX	735	220 BUS RM	
U1SSEL	EM	14	PNL 1EMA	DISTRIBUTION PANEL 1EMA	TURB	735	H.3/5.3 TRN A EVENT MON ROOM	
U1SSEL	EM	14	PNL 1EMB	DISTRIBUTION PANEL 1EMB	TURB	735	H.0/12.0 TRN B EVENT MON ROOM	
U1SSEL	EX	14	PNL 132	AC DISTRIBUTION PANEL 132	TURB	895	E.8/9.1 NEAR 123 AIR COMPR	
U1SSEL	EX	14	PNL 133	AC DISTRIBUTION PANEL 133	TURB	895	E.8/8.8 NEAR 122 AIR COMPR	
U1SSEL	EX	20	PNL 134	AC DISTRIBUTION PANEL 134	AUX	895	G.1/8.4 NEAR CHG PUMPS	
U1SSEL	EX	20	PNL 135	AC DISTRIBUTION PANEL 135	AUX	895	H.2/8.4 NEAR ELEVATOR	
U1SSEL	EX	20	PNL 136	AC DISTRIBUTION PANEL 136	SSCRN	895	B1.8/91.3 NEAR 12 CL STRAIN	
U1SSEL	EX	20	PNL 137	AC DISTRIBUTION PANEL 137	SSCRN	895	B1.8/91.8 NEAR 22 CL STRAIN	
U1SSEL	FO	8	045-271	121 DSL GEN OIL STOR TK SUBMERSIBLE PUMP	FUEL	895	LA.7/0.3	
U1SSEL	FO	8	045-273	123 DSL GEN OIL STOR TK SUBMERSIBLE PUMP	FUEL	895	KA.5/0.3	
U1SSEL	FO	8	045-301	121 DSL CLG WTR PMP OIL STOR TK SUBMERSIBLE PMP	SSCRN	895	C1/51.5	
U1SSEL	FO	8	045-302	122 DSL CLG WTR PMP OIL STOR TK SUBMERSIBLE PMP	SSCRN	895	B1.5/51.5	
U1SSEL	FO	21	053-221	121 DIESEL GENERATOR OIL STORAGE TANK	TURB	895	LA.7/0.3	
U1SSEL	FO	21	053-223	123 DIESEL GENERATOR OIL STORAGE TANK	TURB	895	KA.5/0.3	
U1SSEL	IP	16	11 INV	11 INVERTER	TURB	895	11 BATT RM	
U1SSEL	IP	16	12 INV	12 INVERTER	TURB	895	12 BATT RM	
U1SSEL	IP	16	13 INV	13 INVERTER	TURB	895	11 BATT RM	
U1SSEL	IP	16	17 INV	17 INVERTER	TURB	895	11 BATT RM	

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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
1TE-451A	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		XH-1-7	
1TM-450AA	ROB	INDICATING	INDICATING	Y				X		XH-1-7	
1TM-451AA	ROB	INDICATING	INDICATING	Y				X		XH-1-7	
1TR-450	ROB	INDICATING	INDICATING	Y				X		XH-1-7	
1TR-451	ROB	INDICATING	INDICATING	Y				X		XH-1-7	
1TT-450A	ROB	INDICATING	INDICATING	Y				X		XH-1-7	
1TT-451A	ROB	INDICATING	INDICATING	Y				X		XH-1-7	
EM-A1	SEISMIC	INTACT	INTACT	N					X		
EM-A3	SEISMIC	INTACT	INTACT	N					X		
EM-B1	SEISMIC	INTACT	INTACT	N					X		
EM-B3	SEISMIC	INTACT	INTACT	N					X		
PNL 1EMA	SEISMIC	INTACT	INTACT	Y					X	NF-94831-4	
PNL 1EMB	SEISMIC	INTACT	INTACT	Y					X	NF-94831-5	
PNL 132	SEISMIC	INTACT	INTACT	Y					X	NF-40018-2	
PNL 133	SEISMIC	INTACT	INTACT	Y					X	NF-40018-2	
PNL 134	SEISMIC	INTACT	INTACT	Y					X	NF-40018-3	
PNL 135	SEISMIC	INTACT	INTACT	Y					X	NF-40018-3	
PNL 138	SEISMIC	INTACT	INTACT	Y					X	NF-40018-2	
PNL 137	SEISMIC	INTACT	INTACT	Y					X	NF-40018-2	
045-271	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-39232	NF-40323
045-273	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-39232	NF-40323
045-301	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-39232	NF-40323
045-302	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-39232	NF-40323
053-221	SEISMIC	INTACT	INTACT	N					X	NF-39232	
053-223	SEISMIC	INTACT	INTACT	N					X	NF-39232	
11 INV	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
12 INV	SEISMIC	INTACT	INTACT	Y					X	NF-40024-2	
13 INV	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
17 INV	SEISMIC	INTACT	INTACT	Y					X	NF-94831-4	

Northern States Power Company  
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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SDUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	IP	18	18 INV	18 INVERTER	TURB	695	12 BATT RM	
U1SSEL	IP	14	PNL 111	INSTR BUS II PANEL (WHI) 111	TURB	715	G.118.2	
U1SSEL	IP	14	PNL 112	INSTR BUS I PANEL (RED) 112	TURB	715	G.418.8	
U1SSEL	IP	14	PNL 113	INSTR BUS III PANEL (BLUE) 113	TURB	715	G.118.0	
U1SSEL	MP	20	14MR	14 MISCELLANEOUS RELAY RACK	AUX	735	CONTROL ROOM	
U1SSEL	MS	7	CV-31059	11 TD AFW PUMP TRIP THROTTLE CV	TURB	697	IN 3" LINE F.918.1	
U1SSEL	MS	7	CV-31084	11 STM GEN POWER OPERATED RELIEF CV	AUX	738		
U1SSEL	MS	7	CV-31088	12 STM GEN POWER OPERATED RELIEF CV	AUX	768	IN 6" LINE J.315.8	
U1SSEL	MS	7	CV-31088	11 STM GEN MSIV CV	AUX	728		
U1SSEL	MS	7	CV-31089	12 STM GEN MSIV CV	AUX	738	IN 30" LINE J.215.8	
U1SSEL	MS	8	MV-32016	11 SIG STEAM SUPPLY TO 11 TD AFW PUMP MV	AUX	738	IN 3" LINE N.716.3	
U1SSEL	MS	8	MV-32017	12 SIG STEAM SUPPLY TO 11 TD AFW PUMP MV	AUX	738	IN 3" LINE J.115.7	
U1SSEL	MS	8	MV-32045	11 MSIV BYPASS MV	AUX	728	ON VLV N.516.4	
U1SSEL	MS	8	MV-32047	12 MSIV BYPASS MV	AUX	741	ON VLV J.215.8	
U1SSEL	MS	7	RS-21-1	SAFETY VALVE HEADER STM GENERATOR 11	AUX	742		
U1SSEL	MS	7	RS-21-10	SAFETY VALVE HEADER STM GENERATOR 12	AUX	762		
U1SSEL	MS	7	RS-21-2	SAFETY VALVE HEADER STM GENERATOR 11	AUX	742		
U1SSEL	MS	7	RS-21-3	SAFETY VALVE HEADER STM GENERATOR 11	AUX	742		
U1SSEL	MS	7	RS-21-4	SAFETY VALVE HEADER STM GENERATOR 11	AUX	742		
U1SSEL	MS	7	RS-21-5	SAFETY VALVE HEADER STM GENERATOR 11	AUX	742		
U1SSEL	MS	7	RS-21-8	SAFETY VALVE HEADER STM GENERATOR 12	AUX	762		
U1SSEL	MS	7	RS-21-7	SAFETY VALVE HEADER STM GENERATOR 12	AUX	762		
U1SSEL	MS	7	RS-21-8	SAFETY VALVE HEADER STM GENERATOR 12	AUX	762		
U1SSEL	MS	7	RS-21-8	SAFETY VALVE HEADER STM GENERATOR 12	AUX	762		
U1SSEL	MS	8	SV-33199	11 LOOP A MN STM HDR AIR SPLY SV A	AUX	728	ON CV-31088 N.516.4	CV-31099
U1SSEL	MS	8	SV-33200	11 LOOP A MN STM HDR AIR SPLY SV B	AUX	728	ON CV-31088 N.516.4	CV-31098
U1SSEL	MS	8	SV-33201	11 LOOP A MN STM HDR AIR EXHT SV A	AUX	728	ON CV-31088 N.516.4	CV-31098
U1SSEL	MS	8	SV-33202	11 LOOP A MN STM HDR AIR EXHT SV B	AUX	728	ON CV-31088 N.516.4	CV-31098
U1SSEL	MS	8	SV-33204	12 LOOP B MN STM HDR AIR SPLY SV A	AUX	738	ON CV-31099 J.215.8	CV-31099

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SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
18 INV	SEISMIC	INTACT	INTACT	Y					X	NF-94831-5	
PNL 111	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
PNL 112	SEISMIC	INTACT	INTACT	Y					X	NF-40024-2	
PNL 113	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
14MR	SEISMIC	INTACT	INTACT	N					X		
CV-31059	SEISMIC	OPEN	OPERABLE	N				X		NF-38218	NF-40322
CV-31084	SEISMIC/RELAY	CLOSED	OPEN (FC)	N				X		NF-38218	NF-40322
CV-31089	SEISMIC/RELAY	CLOSED	OPEN (FC)	N				X		NF-38218	NF-40322
CV-31098	SEISMIC/RELAY	OPEN	CLOSED (FC)	Y				X		NF-38218	NF-40322
CV-31089	SEISMIC/RELAY	OPEN	CLOSED (FC)	Y				X		NF-38218	NF-40322
MV-32018	RELAY	OPEN	OPEN	N				X		NF-38218	NF-40322
MV-32017	RELAY	OPEN	OPEN	N				X		NF-38218	NF-40322
MV-32045	RELAY	CLOSED	CLOSED	N				X		NF-38218	NF-40322
MV-32047	RELAY	CLOSED	CLOSED	N				X		NF-38218	NF-40322
RS-21-1	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	NF-40322
RS-21-10	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	NF-40322
RS-21-2	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	NF-40322
RS-21-3	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	NF-40322
RS-21-4	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	NF-40322
RS-21-5	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	NF-40322
RS-21-6	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	NF-40322
RS-21-7	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	NF-40322
RS-21-8	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	NF-40322
RS-21-9	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	NF-40322
SV-33199	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-38218	NF-40322
SV-33200	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-38218	NF-40322
SV-33201	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-38218	NF-40322
SV-33202	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-38218	NF-40322
SV-33204	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-38218	NF-40322

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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	MS	8	SV-33254	12 LOOP B MN STM HDR AIR SPLY SV B	AUX	739	ON CV-31099 J.2/5.8	CV-31099
U1SSEL	MS	8	SV-33255	12 LOOP B MN STM HDR AIR EXHT SV A	AUX	739	ON CV-31099 J.2/5.8	CV-31099
U1SSEL	MS	8	SV-33256	12 LOOP B MN STM HDR AIR EXHT SV B	AUX	739	ON CV-31099 J.2/5.8	CV-31099
U1SSEL	MS	8	SV-33298	11 TD AFW PMP STM BLOCK SV	TURB	897	ON CV-31999 F.9/7.9	CV-31999
U1SSEL	NI	0	1NE-51	EXCORE DETECTION TRN A DETECTOR ASSY	CNTMT	712		
U1SSEL	NI	0	1NE-52	EXCORE DETECTION TRN B DETECTOR ASSY	CNTMT	712		
U1SSEL	NI	20	1NI-51A	EXCORE DETECTION TRN A SHUTDOWN MONITOR	AUX	735	IN RACK 1NR3 G.4/8.5	1NR3
U1SSEL	NI	20	1NI-52A	EXCORE DETECTION TRN B SHUTDOWN MONITOR	AUX	735	IN RACK 1NR4 G.4/8.5	1NR4
U1SSEL	NI	18	1NM-51	EXCORE DETECTION TRN A AMPLIFIER	AUX	739		
U1SSEL	NI	18	1NM-52	EXCORE DETECTION TRN B AMPLIFIER	AUX	739		
U1SSEL	NI	20	1NR3	NUCLEAR INSTRUMENTATION RACK 1NR3	AUX	735	CONTROL ROOM	
U1SSEL	NI	20	1NR4	NUCLEAR INSTRUMENTATION RACK 1NR4	AUX	735	CONTROL ROOM	
U1SSEL	NI	20	1NU-51A	EXCORE DETECTION TRN A RACK MTD SIGNAL PROCESSOR	AUX	735	IN RACK 1NR3 G.4/8.5	1NR3
U1SSEL	NI	20	1NU-52A	EXCORE DETECTION TRN B RACK MTD SIGNAL PROCESSOR	AUX	735	IN RACK 1NR4 G.4/8.5	1NR4
U1SSEL	RC	21	153-011	11 PRESSURIZER RELIEF TANK	CNTMT	895	15/95	
U1SSEL	RC	4	1PZRHTRA/CT A	1 PRZR HTR GRP A CURRENT XFMR A	AUX	735	H.1/3.9	1PZRHTRAIXFM
U1SSEL	RC	4	1PZRHTRA/CT C	1 PRZR HTR GRP A CURRENT XFMR C	AUX	735	H.1/3.9	1PZRHTRAIXFM
U1SSEL	RC	4	1PZRHTRA/PT A	1 PRZR HTR GRP A POTENTIAL XFMR A	AUX	735	G.0/4.5	1PZRHTRAIXFM
U1SSEL	RC	4	1PZRHTRA/PT C	1 PRZR HTR GRP A POTENTIAL XFMR C	AUX	735	G.0/4.5	1PZRHTRAIXFM
U1SSEL	RC	4	1PZRHTRB/CT A	1 PRZR HTR GRP B CURRENT XFMR A	AUX	735	H.1/3.9	1PZRHTRBIXFM
U1SSEL	RC	4	1PZRHTRB/CT C	1 PRZR HTR GRP B CURRENT XFMR C	AUX	735	H.1/3.9	1PZRHTRBIXFM
U1SSEL	RC	4	1PZRHTRB/PT A	1 PRZR HTR GRP B POTENTIAL XFMR A	AUX	735	G.0/4.5	1PZRHTRBIXFM
U1SSEL	RC	4	1PZRHTRB/PT C	1 PRZR HTR GRP B POTENTIAL XFMR C	AUX	735	G.0/4.5	1PZRHTRBIXFM
U1SSEL	RC	20	1RCS1	PROCESS CONTROL RACK 1RCS1	AUX	735	CONTROL ROOM	
U1SSEL	RC	20	1RCS2	PROCESS CONTROL RACK 1RCS2	AUX	735	CONTROL ROOM	
U1SSEL	RC	7	CV-31231	1 PRZR PORV B CV	CNTMT	784	IN 3" LINE 21/33	
U1SSEL	RC	7	CV-31232	1 PRZR PORV A CV	CNTMT	784	IN 3" LINE 24/30	
U1SSEL	RC	7	RC-10-1	PRESSURIZER RELIEF VALVE	CNTMT	738		
U1SSEL	RC	7	RC-10-2	PRESSURIZER RELIEF VALVE	CNTMT	738		



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SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DN	SS	FLOW DIAG	LOGIC DIAG
SV-33254	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-39218	NF-40322
SV-33255	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-39218	NF-40322
SV-33256	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-39218	NF-40322
SV-33299	ROB	ENERGIZED	DE-ENERGIZED	N				X		NF-39218	NF-40322
1NE-51	SEISMIC/RELAY	INDICATING	INDICATING	Y	X					NF-40289-5	
1NE-52	SEISMIC/RELAY	INDICATING	INDICATING	Y	X					NF-40289-5	
1NI-51A	ROB	INDICATING	INDICATING	Y	X					NF-40289-5	
1NI-52A	ROB	INDICATING	INDICATING	Y	X					NF-40289-5	
1NM-51	SEISMIC	INDICATING	INDICATING	Y	X					NF-40289-5	
1NM-52	SEISMIC	INDICATING	INDICATING	Y	X					NF-40289-5	
1NR3	SEISMIC	INTACT	INTACT	N					X		
1NR4	SEISMIC	INTACT	INTACT	N					X		
1NU-51A	ROB	INDICATING	INDICATING	Y	X					NF-40289-5	
1NU-52A	ROB	INDICATING	INDICATING	Y	X					NF-40289-5	
153-011	SEISMIC	INTACT	INTACT	N		X	X			XH-1-7	
1PZRHTR/CT A	ROB	INTACT	INTACT	Y			X			NF-40022-1	NF-40780
1PZRHTR/CT C	ROB	INTACT	INTACT	Y			X			NF-40022-1	NF-40780
1PZRHTR/PT A	ROB	INTACT	INTACT	Y			X			NF-40022-1	NF-40780
1PZRHTR/PT C	ROB	INTACT	INTACT	Y			X			NF-40022-1	NF-40780
1PZRHTRB/CT A	ROB	INTACT	INTACT	Y			X			NF-40022-1	NF-40780
1PZRHTRB/CT C	ROB	INTACT	INTACT	Y			X			NF-40022-1	NF-40780
1PZRHTRB/PT A	ROB	INTACT	INTACT	Y			X			NF-40022-1	NF-40780
1PZRHTRB/PT C	ROB	INTACT	INTACT	Y			X			NF-40022-1	NF-40780
1RCS1	SEISMIC	INTACT	INTACT	N					X		
1RCS2	SEISMIC	INTACT	INTACT	N					X		
CV-31231	RELAY	CLOSED	CLOSED	N		X	X			XH-1-7	NF-40780
CV-31232	RELAY	CLOSED	CLOSED	N		X	X			XH-1-7	NF-40780
RC-10-1	SEISMIC	CLOSED	CLOSED	N			X			XH-1-7	
RC-10-2	SEISMIC	CLOSED	CLOSED	N			X			XH-1-7	

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	RE	20	1LR-428	1 REAC PRZR LVL RCDR	AUX	735	CONTROL PANEL C-1	C-1
U1SSEL	RE	20	1PLP	PROCESS CONTROL RACK 1PLP	AUX	735	CONTROL ROOM	
U1SSEL	RE	20	1PR-429	1 REAC CLNT LOOP PRZR PRESS RCDR	AUX	735	CONTROL PANEL C-1	C-1
U1SSEL	RP	2	1-52/RTA	A - TRAIN REAC TRIP BREAKER	AUX	735	U1 ROD DRIVE RM	
U1SSEL	RP	2	1-52/RTB	B - TRAIN REAC TRIP BREAKER	AUX	735	U1 ROD DRIVE RM	
U1SSEL	RP	20	1AMR1	MISCELLANEOUS RELAY RACK 1AMR1	AUX	715	RELAY ROOM	
U1SSEL	RP	20	1ASG1	SAFEGUARD RELAY RACK 1ASG1	AUX	715	RELAY ROOM	
U1SSEL	RP	20	1ASG2	SAFEGUARD RELAY RACK 1ASG2	AUX	715	RELAY ROOM	
U1SSEL	RP	20	1B1	PROCESS PROTECTION RACK 1B1	AUX	735	CONTROL ROOM	
U1SSEL	RP	20	1B2	PROCESS PROTECTION RACK 1B2	AUX	735	CONTROL ROOM	
U1SSEL	RP	20	1BSG1	SAFEGUARD RELAY RACK 1BSG1	AUX	715	RELAY ROOM	
U1SSEL	RP	20	1BSG2	SAFEGUARD RELAY RACK 1BSG2	AUX	715	RELAY ROOM	
U1SSEL	RP	20	1LI-426	1 REAC CLNT LOOP PRZR (CHNNL I-RED) LI	AUX	735	CONTROL PANEL C-1	C-1
U1SSEL	RP	20	1LI-428	1 REAC CLNT LOOP PRZR (CHNNL III-BLU) LI	AUX	735	CONTROL PANEL C-1	C-1
U1SSEL	RP	20	1LM-426A	PRZR LEVEL TO CONT SYS ISOL III REPEATER	AUX	735	RACK 1R1	1R1
U1SSEL	RP	20	1LM-428A	PRZR LEVEL TO CONT SYS ISOL REPEATER	AUX	735	RACK 1B1	1B1
U1SSEL	RP	20	1LQ-426	PRESSURIZER LEVEL XMTR PWR SPLY	AUX	735	RACK 1R1	1R1
U1SSEL	RP	20	1LQ-428	PRESSURIZER LEVEL XMTR PWR SPLY	AUX	735	RACK 1B1	1B1
U1SSEL	RP	18	1LT-426	1 REAC CLNT LOOP PRZR (CHNNL I-RED) LVL XMTR	CNTMT	720	ON N SIDE WALL 11/18	
U1SSEL	RP	18	1LT-428	1 REAC CLNT LOOP PRZR (CHNNL III-BLU) LVL XMTR	CNTMT	720	ON E SIDE WALL 12/30	
U1SSEL	RP	20	1PI-429	1 PRZR PRESS CHNL 1 PI	AUX	735	CONTROL PANEL C-1	C-1
U1SSEL	RP	20	1PI-431	1 PRZR PRESS CHNL 3 PI	AUX	735	CONTROL PANEL C-1	C-1
U1SSEL	RP	20	1PI-468	11 STM GEN PI	AUX	735	CONTROL PANEL D-1	D-1
U1SSEL	RP	20	1PI-478	12 STM GEN PI	AUX	735	CONTROL PANEL D-1	D-1
U1SSEL	RP	20	1PM-429A	PRESSURIZER PRESS TO CONTROL ISOL III REPEATER	AUX	735	RACK 1R1	1R1
U1SSEL	RP	20	1PM-431A	PRESSURIZER PRESS TO CONTROL ISOL III REPEATER	AUX	735	RACK 1B1	1B1
U1SSEL	RP	20	1PM-468B	STEAM PRESS TO COMPUTER & IND ISOL III REPEATER	AUX	735	RACK 1R2	1R2
U1SSEL	RP	20	1PM-478B	STEAM PRESS TO COMPUTER & IND ISOL III REPEATER	AUX	735	RACK 1B2	1B2
U1SSEL	RP	20	1PQ-429	1 REAC CLNT LOOP PRZR (CHNNL I-RED) P PWR SPLY	AUX	735	RACK 1R1	1R1

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SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
1LR-428	ROB	INDICATING	INDICATING	Y		X				XH-1-7	NF-40780
1PLP	SEISMIC	INTACT	INTACT	N					X		
1PR-429	ROB	INDICATING	INDICATING	Y			X			XH-1-7	
1-52/RTA	SEISMIC/RELAY	CLOSED	OPEN (FO)	N	X					NF-40288-8	
1-52/RTB	SEISMIC/RELAY	CLOSED	OPEN (FO)	N	X					NF-40288-8	
1AMR1	SEISMIC	INTACT	INTACT	N					X		
1ASG1	SEISMIC	INTACT	INTACT	N					X		
1ASG2	SEISMIC	INTACT	INTACT	N					X		
1B1	SEISMIC	INTACT	INTACT	N					X		
1B2	SEISMIC	INTACT	INTACT	N					X		
1BSG1	SEISMIC	INTACT	INTACT	N					X		
1BSG2	SEISMIC	INTACT	INTACT	N					X		
1LI-426	ROB	INDICATING	INDICATING	Y		X				XH-1-7	
1LI-428	ROB	INDICATING	INDICATING	Y		X				XH-1-7	
1LM-428A	ROB	INDICATING	INDICATING	Y		X				XH-1-7	
1LM-428B	ROB	INDICATING	INDICATING	Y		X				XH-1-7	
1LQ-426	ROB	ON	ON	Y		X				XH-1-7	
1LQ-428	ROB	ON	ON	Y		X				XH-1-7	
1LT-426	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-428	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1PI-429	ROB	INDICATING	INDICATING	Y			X			XH-1-7	
1PI-431	ROB	INDICATING	INDICATING	Y			X			XH-1-7	
1PI-468	ROB	INDICATING	INDICATING	Y				X		NF-38218	
1PI-478	ROB	INDICATING	INDICATING	Y				X		NF-38218	
1PM-429A	ROB	INDICATING	INDICATING	Y			X			XH-1-7	
1PM-431A	ROB	INDICATING	INDICATING	Y			X			XH-1-7	
1PM-468B	ROB	INDICATING	INDICATING	Y				X		NF-38218	
1PM-478B	ROB	INDICATING	INDICATING	Y				X		NF-38218	
1PQ-429	ROB	ON	ON	Y			X			XH-1-7	

Northern States Power Company  
 Prairie Island Nuclear Generating Plant  
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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SOUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	RP	20	1PQ-431	1 REAC CLNT LOOP PRZR (CHNNL III-BLU) P PWR SPLY	AUX	735	RACK 1B1	1B1
U1SSEL	RP	20	1PQ-468	STEAM PRESSURE TRANSMITTER PWR SPLY	AUX	735	RACK 1R2	1R2
U1SSEL	RP	20	1PQ-479	STEAM PRESSURE TRANSMITTER PWR SPLY	AUX	735	RACK 1B2	1B2
U1SSEL	RP	20	1PR-468	11 STM GEN LOOP A STM PRESS RCDR (3 PEN)	AUX	735	CONTROL PANEL D-1	D-1
U1SSEL	RP	20	1PR-478	12 STM GEN LOOP B STM PRESS RCDR (3 PEN)	AUX	735	CONTROL PANEL D-1	D-1
U1SSEL	RP	18	1PT-429	1 REAC CLNT LOOP PRZR (CHNNL I-RED) P XMTR	CNTMT	720	ON N SIDE WALL 11/18	
U1SSEL	RP	18	1PT-431	1 REAC CLNT LOOP PRZR (CHNNL III-BLU) P XMTR	CNTMT	720	ON E SIDE WALL 12/30	
U1SSEL	RP	18	1PT-468	11 STM GEN LOOP A (CHNNL I-RED) P XMTR	AUX	720	ON NORTH SIDE WALL P.0/8.0	
U1SSEL	RP	18	1PT-478	12 STM GEN LOOP B (CHNNL III-BLU) P XMTR	AUX	720	ON EAST SIDE COL J.1/5.8	
U1SSEL	RP	20	1R1	PROCESS PROTECTION RACK 1R1	AUX	735	CONTROL ROOM	
U1SSEL	RP	20	1R2	PROCESS PROTECTION RACK 1R2	AUX	735	CONTROL ROOM	
U1SSEL	RV	8	SV-37035	RCS VENT SYS PRZR VENT SV	CNTMT	760	IN 1" LINE 40/10	
U1SSEL	RV	8	SV-37036	RCS VENT SYS PRZR VENT SV	CNTMT	760	IN 1" LINE 40/10	
U1SSEL	RV	8	SV-37037	RCS VENT SYS REACTOR HEAD VENT SV	CNTMT	760	IN 1" LINE 40/10	
U1SSEL	RV	8	SV-37038	RCS VENT SYS REACTOR HEAD VENT SV	CNTMT	760	IN 1" LINE 40/10	
U1SSEL	RV	8	SV-37039	RCS VENT SYS TO PRT SV	CNTMT	760	IN 1" LINE 40/10	
U1SSEL	RV	8	SV-37040	RCS VENT SYS TO CNTMT ATMOS SV	CNTMT	760	IN 1" LINE 40/10	
U1SSEL	SA	7	SA-54-3	D1 DSL GEN MAIN AIR RCVR RELIEF	TURB	695		
U1SSEL	SA	7	SA-54-6	D2 DSL GEN MAIN AIR RCVR RELIEF	TURB	695		
U1SSEL	SB	7	CV-31414	11 SGB TO 11 SGB FLSH TNK FLOW CV	AUX	724	IN 2" LINE L.7/7.2	
U1SSEL	SB	7	CV-31415	12 SGB TO 11 SGB FLSH TNK FLOW CV	AUX	724	IN 2" LINE L.8/7.3	
U1SSEL	SF	21	153-081	RFLG WTR STG TK	AUX	695	J.0/3.8	
U1SSEL	SM	7	CV-31637	11 SGB SMPL ISOL CV A	CNTMT	741	IN 3/8" LINE 2/272	
U1SSEL	SM	7	CV-31638	12 SGB SMPL ISOL CV A	CNTMT	741	IN 3/8" LINE 2/288	
U1SSEL	SM	8	MV-32400	11 PRZR STEAM SAMPLE MV	CNTMT	760	IN 3/8" LINE 15/39	
U1SSEL	SM	8	MV-32402	11 PRZR LIQUID SAMPLE MV	CNTMT	745	IN 3/8" LINE 18/38	
U1SSEL	SM	8	MV-32404	11 RC LOOP HOT LEG SAMPLE MV	CNTMT	708	IN 3/8" LINE 30/320	
U1SSEL	VC	21	135-021	11 RCP SEAL WATER RETURN HEAT EXCHANGER	AUX	715	K.3/6.0	
U1SSEL	VC	21	135-111	REGEN HX	CNTMT	695	10/220	

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SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
1PQ-431	ROB	ON	ON	Y			X			XH-1-7	
1PQ-468	ROB	ON	ON	Y				X		NF-39218	
1PQ-478	ROB	ON	ON	Y				X		NF-39218	
1PR-468	ROB	INDICATING	INDICATING	Y				X		NF-39218	
1PR-478	ROB	INDICATING	INDICATING	Y				X		NF-39218	
1PT-429	SEISMIC/RELAY	INDICATING	INDICATING	Y			X			XH-1-7	
1PT-431	SEISMIC/RELAY	INDICATING	INDICATING	Y			X			XH-1-7	
1PT-468	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39218	
1PT-478	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39218	
1R1	SEISMIC	INTACT	INTACT	N					X		
1R2	SEISMIC	INTACT	INTACT	N					X		
SV-37035	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37036	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37037	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37038	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37039	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37040	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SA-54-3	SEISMIC	CLOSED	CLOSED	N					X	NF-39255-1	
SA-54-6	SEISMIC	CLOSED	CLOSED	N					X	NF-39255-1	
CV-31414	RELAY	CLOSED	CLOSED	N				X		NF-88740	NF-40331
CV-31415	RELAY	CLOSED	CLOSED	N				X		NF-88740	NF-40331
153-081	SEISMIC	INTACT	INTACT	N	X	X				XH-1-45	
CV-31837	RELAY	CLOSED	CLOSED	N				X		NF-39238	NF-40332
CV-31838	RELAY	CLOSED	CLOSED	N				X		NF-39238	NF-40332
MV-32400	RELAY	CLOSED	CLOSED	N		X	X			NF-39238	NF-40332
MV-32402	RELAY	CLOSED	CLOSED	N		X	X			NF-39238	NF-40332
MV-32404	RELAY	CLOSED	CLOSED	N		X	X			NF-39238	NF-40332
135-021	SEISMIC	INTACT	INTACT	N	X	X	X			XH-1-39	
135-111	SEISMIC	INTACT	INTACT	N	X	X	X			XH-1-38	

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	VC	5	145-041	11 CHG PUMP	AUX	895	H.5/8.8	
U1SSEL	VC	5	145-042	12 CHG PUMP	AUX	895	H.5/7.0	
U1SSEL	VC	21	153-021	11 VOLUME CONTROL TANK	AUX	715	H.7/6.9	
U1SSEL	VC	0	182-391	11 CHARGING PUMP DISCHARGE HYDRAULIC DESURGER	AUX	895	H.7/6.5	145-041
U1SSEL	VC	0	182-392	12 CHARGING PUMP DISCHARGE HYDRAULIC DESURGER	AUX	895	H.7/7.0	145-042
U1SSEL	VC	0	182-421	11 CHG PMP SUCTION STABILIZER	AUX	895	H.7/6.5	145-041
U1SSEL	VC	0	182-422	12 CHG PMP SUCTION STABILIZER	AUX	895	H.7/7.0	145-042
U1SSEL	VC	18	1FI-115B	11 REAC CLNT PMP SL WTR INJ FI	AUX	720	ON N SIDE WALL L.5/7.0	
U1SSEL	VC	18	1FI-116B	12 REAC CLNT PMP SL WTR INJ FI	AUX	720	ON N SIDE WALL L.5/7.0	
U1SSEL	VC	20	1LI-112	11 VOL CONT TNK LI	AUX	735	CONTROL PANEL C-1	C-1
U1SSEL	VC	20	1LO-112	11 VOL CONT TNK LVL PWR SPLY	AUX	735	RACK 1RCS2	1RCS2
U1SSEL	VC	18	1LT-112	11 VOL CONT TNK LVL XMTR	AUX	720		
U1SSEL	VC	7	CV-31198	CHG LN TO 11 REGEN HT EXGR CV	AUX	717	IN 2" LINE L.3/8.8	
U1SSEL	VC	7	CV-31228	1 REAC CLNT LOOP PRZR LTDN LN ISOL LCV A	CNTMT	705	IN 2" LINE 27/311	
U1SSEL	VC	7	CV-31255	1 REAC CLNT LOOP PRZR LTDN LN ISOL LCV B	CNTMT	705	IN 2" LINE 28/259	
U1SSEL	VC	7	CV-31330	11 EXCS LTDN HT EXGR INLT LP A ISOL CV	CNTMT	701	IN 1" LINE 21/225	
U1SSEL	VC	7	CV-31334	11/12 RCP SEAL BYPASS RETURN CV	CNTMT	706	IN 3/4" LINE 17/289	
U1SSEL	VC	7	CV-31335	11 REAC CLNT PMP SL WTR OUTL ISOL CV	CNTMT	738	IN 2" LINE 25/129	
U1SSEL	VC	7	CV-31336	12 REAC CLNT PMP SL WTR OUTL ISOL CV	CNTMT	734	IN 2" LINE 18/290	
U1SSEL	VC	8	MV-32080	RFLG WTR EMERL MK-UP TO CHG PMPs MV	AUX	898	IN 4" LINE H.8/8.8	
U1SSEL	VC	8	MV-32081	11 VCT OUTLET TO CHG PUMP SUCT HEADER MV	AUX	707	IN 4" LINE H.8/8.8	
U1SSEL	VC	8	MV-32188	1 REAC EXCS LTDN LN ISOL MV A	AUX	720	IN 3" LINE L.5/8.8	
U1SSEL	VC	8	MV-32189	1 RCP SEAL RETURN/EXCESS LETDOWN ISOL TRN B MV	CNTMT	720	IN 3" LINE 1/273	
U1SSEL	VC	8	SV-33323	1 REAC CLNT LOOP PRZR LTDN LN ISOL SV 2	CNTMT	705	ON LCV-31255 28/259	CV-31255
U1SSEL	VC	8	SV-33512	1 REAC CLNT LOOP PRZR LTDN LN ISOL SV 1	CNTMT	705	ON CV-31228 27/311	CV-31228
U1SSEL	VC	7	VC-24-1	11 VOLUME CONTROL TANK RELIEF	AUX	735		
U1SSEL	VC	7	VC-25-1	RC PUMPS DISCH LINE TO SEAL WTR FILTER - RELIEF	CNTMT	708		
U1SSEL	VC	7	VC-25-2	LETDOWN LINE TO VOLUME CONTROL TANK INLET - RLF	AUX	719		
U1SSEL	VC	7	VC-28-1	11 CHG PMP DISCH RELIEF	AUX	898		

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SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
145-041	SEISMIC/RELAY	ON	ON	Y	X	X	X			XH-1-39	NF-40784
145-042	SEISMIC/RELAY	ON	ON	Y	X	X	X			XH-1-39	NF-40784
153-021	SEISMIC	INTACT	INTACT	N	X	X	X			XH-1-39	
182-391	ROB	INTACT	INTACT	N	X	X	X			XH-1-39	
182-392	ROB	INTACT	INTACT	N	X	X	X			XH-1-39	
182-421	ROB	INTACT	INTACT	N	X	X	X			XH-1-39	
182-422	ROB	INTACT	INTACT	N	X	X	X			XH-1-39	
1FI-115B	SEISMIC	INDICATING	INDICATING	N	X	X	X			XH-1-39	
1FI-116B	SEISMIC	INDICATING	INDICATING	N	X	X	X			XH-1-39	
1LI-112	ROB	INDICATING	INDICATING	Y	X	X	X			XH-1-39	NF-40784
1LQ-112	ROB	ON	ON	Y	X	X	X			XH-1-39	NF-40784
1LT-112	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X	X			XH-1-39	NF-40784
CV-31190	RELAY	OPEN	OPEN	N	X	X	X			XH-1-39	NF-40784
CV-31226	SEISMIC/RELAY	OPEN	CLOSED(FC)	N	X	X	X			XH-1-39	NF-40784
CV-31255	SEISMIC/RELAY	OPEN	CLOSED(FC)	N	X	X	X			XH-1-39	NF-40784
CV-31330	RELAY	CLOSED	CLOSED(FC)	N	X	X	X			XH-1-39	NF-40784
CV-31334	RELAY	CLOSED	CLOSED(FC)	N	X	X	X			XH-1-39	NF-40784
CV-31335	RELAY	OPEN	OPEN (FO)	N	X	X	X			XH-1-39	NF-40784
CV-31338	RELAY	OPEN	OPEN (FO)	N	X	X	X			XH-1-39	NF-40784
MV-32060	SEISMIC/RELAY	CLOSED	OPEN	Y	X	X	X			XH-1-39	NF-40784
MV-32061	SEISMIC/RELAY	OPEN	CLOSED	Y	X	X	X			XH-1-39	NF-40784
MV-32168	SEISMIC/RELAY	OPEN	OPERABLE	Y	X	X	X			XH-1-39	NF-40784
MV-32189	SEISMIC/RELAY	OPEN	OPERABLE	Y	X	X	X			XH-1-39	NF-40784
SV-33323	ROB	ENERGIZED	DE-ENERGIZED	N	X	X	X			XH-1-39	NF-40784
SV-33512	ROB	ENERGIZED	DE-ENERGIZED	N	X	X	X			XH-1-39	NF-40784
VC-24-1	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1-39	
VC-25-1	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1-39	
VC-25-2	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1-39	
VC-28-1	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1-39	

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	VC	7	VC-28-2	12 CHG PMP DISCH RELIEF	AUX	699		
U1SSEL	ZC	10	174-011	11 CNTM FAN COIL UNIT	CNTMT	711	20/50	
U1SSEL	ZC	10	174-012	12 CONTAINMENT FAN COIL UNIT	CNTMT	711	30/80	
U1SSEL	ZC	10	174-013	13 CNTM FAN COIL UNIT	CNTMT	765	8/310	
U1SSEL	ZC	10	174-014	14 CONTAINMENT FAN COIL UNIT	CNTMT	735	12/320	
U1SSEL	ZC	10	CD-34072	11 FCU DISCH TO CNTMT DOME CD	CNTMT	737	IN DUCT 14/73	
U1SSEL	ZC	10	CD-34073	11 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	741	IN DUCT 13/88	
U1SSEL	ZC	10	CD-34074	12 FCU DISCH TO CNTMT DOME CD	CNTMT	741	IN DUCT 17/128	
U1SSEL	ZC	10	CD-34075	12 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	741	IN DUCT 21/117	
U1SSEL	ZC	10	CD-34076	13 FCU DISCH TO CNTMT DOME CD	CNTMT	775	IN DUCT 10/310	
U1SSEL	ZC	10	CD-34077	13 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	779	IN DUCT 15/308	
U1SSEL	ZC	10	CD-34078	14 FCU DISCH TO CNTMT DOME CD	CNTMT	758	IN DUCT 8/332	
U1SSEL	ZC	10	CD-34079	14 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	782	IN DUCT 9/340	
U1SSEL	ZC	8	SV-33371	11 FAN COIL UNIT DSCH TO CONTM DOME DMPR SV	CNTMT	737	ON CD-34072 14/73	CD-340 2
U1SSEL	ZC	8	SV-33372	11 FAN COIL UNIT NORM DSCH TO GAP & STRUC DMPR S	CNTMT	741	ON CD-34073 13/88	CD-34073
U1SSEL	ZC	8	SV-33373	12 FAN COIL UNIT DSCH TO CONTM DOME DMPR SV	CNTMT	741	ON CD-34074 17/128	CD-34074
U1SSEL	ZC	8	SV-33374	12 FAN COIL UNIT NORM DSCH TO GAP & STRUC DMPR S	CNTMT	741	ON CD-34075 21/117	CD-34075
U1SSEL	ZC	8	SV-33375	13 FAN COIL UNIT DSCH TO CONTM DOME DMPR SV	CNTMT	775	ON CD-34076 10/310	CD-34076
U1SSEL	ZC	8	SV-33376	13 FAN COIL UNIT NORM DSCH TO GAP & STRUC DMPR S	CNTMT	779	ON CD-34077 15/308	CD-34077
U1SSEL	ZC	8	SV-33377	14 FAN COIL UNIT DSCH TO CONTM DOME DMPR SV	CNTMT	758	ON CD-34078 8/332	CD-34078
U1SSEL	ZC	8	SV-33378	14 FAN COIL UNIT DSCH TO GAP & STRUC DMPR SV	CNTMT	782	ON CD-34079 9/340	CD-34079
U1SSEL	ZE	10	174-051	12 AUXILIARY FEEDWATER PUMP MOTOR FAN COIL UNIT	TURB	705	F. 1/8.3	
U1SSEL	ZE	8	SV-33578	12 AUX FW PMP MTR UNIT CLR SV	TURB	705	IN 1" LINE F. 1/8.1	
U1SSEL	ZG	8	032-011	121 D1 DIESEL GENERATOR EXHAUST FAN	TURB	715	JA.8/2.7	
U1SSEL	ZG	8	032-012	122 DIESEL GENERATOR ROOM EXHAUST FAN	TURB	715	JA.4/2.7	
U1SSEL	ZG	8	032-041	121 D1 DIESEL GENERATOR SUPPLY FAN	TURB	715	JA.8/2.4	
U1SSEL	ZG	8	032-042	122 D2 DIESEL GENERATOR SUPPLY FAN	TURB	715	JA.4/2.4	
U1SSEL	ZG	10	CD-34049	121/122 DSL GEN RM OUTS AIR CD	TURB	725	IN DUCT JA.5/1.0	
U1SSEL	ZG	8	SV-33498	2 DSL GEN RM OUTS AIR S TRN DMPR SV	TURB	725	ON W SIDE WALL JA.4/1.0	CD-34049



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SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
VC-26-2	SEISMIC	CLOSED	CLOSED	N	X	X				XH-1-39	
174-011	SEISMIC/RELAY	ON	ON	Y					X	NF-3921B-4	NF-40755
174-012	SEISMIC/RELAY	ON	ON	Y					X	NF-3921B-4	NF-40755
174-013	SEISMIC/RELAY	ON	ON	Y					X	NF-3921B-4	NF-40755
174-014	SEISMIC/RELAY	ON	ON	Y					X	NF-3921B-4	NF-40755
CD-34072	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39602-1	NF-40755
CD-34073	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39602-1	NF-40755
CD-34074	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39602-1	NF-40755
CB-34075	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39602-1	NF-40755
CD-34076	SEISMIC/RELAY	CLOSED	OPEN(FO)	N					X	NF-39602-1	NF-40755
CD-34077	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39602-1	NF-40755
CD-34078	SEISMIC/RELAY	CLOSED	OPEN(FO)	N					X	NF-39602-1	NF-40755
CD-34079	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39602-1	NF-40755
SV-33371	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39602-1	NF-40755
SV-33372	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39602-1	NF-40755
SV-33373	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39602-1	NF-40755
SV-33374	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39602-1	NF-40755
SV-33375	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39602-1	NF-40755
SV-33376	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39602-1	NF-40755
SV-33377	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39602-1	NF-40755
SV-33378	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39602-1	NF-40755
SV-33379	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39602-1	NF-40755
174-051	SEISMIC/RELAY	OFF	ON	Y				X	X	NF-39603-2	NF-40758
SV-33578	SEISMIC	DE-ENERGIZED	ENERGIZED	Y				X	X	NF-39603-2	NF-40758
032-011	SEISMIC/RELAY	OFF	ON	Y					X	NF-39601	NF-40328
032-012	SEISMIC/RELAY	OFF	ON	Y					X	NF-39601	NF-40328
032-041	SEISMIC/RELAY	OFF	ON	Y					X	NF-39603-1	NF-40328
032-042	SEISMIC/RELAY	OFF	ON	Y					X	NF-39601	NF-40328
CD-34049	SEISMIC/RELAY	CLOSED	OPEN (FOAIR)	N					X	NF-39601	NF-40328
SV-33498	SEISMIC	ENERGIZED	DE-ENERGIZED	N					X	NF-39601	NF-40328

Northern States Power Company  
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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	ZG	8	SV-33987	D1 & D2 DSL GEN OUTSIDE AIR CD-34048 TRN A SV	TURB	725	ON W SIDE WALL JA.4/1.0	CD-34048
U1SSEL	ZX	20	18460	11 CRDM SHROUD CLG COIL TRN A PDS	CNTMT	749	13/330	
U1SSEL	ZX	20	18461	12 CRDM SHROUD CLG COIL TRN B PDS	CNTMT	728	10.7/305	
U1SSEL	ZX	20	18462	11 & 13 CNTMT FAN COIL UNITS TRN A PDS	AUX	704	J.0/7.0	
U1SSEL	ZX	20	18463	12 & 14 CNTMT FAN COIL UNITS TRN B PDS	AUX	702	J.0/6.0	
U1SSEL	ZX	7	CV-39401	11/13 FCU LOOP A CLG WTR SUPPLY CV	AUX	704	IN 10" LINE J.0/6.0	
U1SSEL	ZX	7	CV-39402	11/13 FCU CHILLED WTR SUPPLY CV	AUX	702	IN 10" LINE J.0/6.0	
U1SSEL	ZX	7	CV-39403	12/14 FCU CLG WTR SUPPLY CV	AUX	702	IN 10" LINE J.0/6.0	
U1SSEL	ZX	7	CV-39404	12/14 FCU CHILLED WTR SUPPLY CV	AUX	702	IN 10" LINE J.0/6.0	
U1SSEL	ZX	7	CV-39405	11 SHROUD CLG COILS TR A CHILLED WTR SUPPLY CV	CNTMT	749	IN 4" LINE 14.7/325	
U1SSEL	ZX	7	CV-39406	12 SHROUD CLG COILS TR B CHILLED WTR SUPPLY CV	CNTMT	725	IN 4" LINE 18.8/310	
U1SSEL	ZX	7	CV-39409	12/14 FCU CLG WTR RETURN CV	AUX	704	IN 10" LINE J.0/7.0	
U1SSEL	ZX	7	CV-39411	11/13 FCU CLG WTR RETURN CV	AUX	704	IN 10" LINE J.0/7.0	
U1SSEL	ZX	8	SV-37401	11; 13 FCU CLG WTR SUPPLY SV	AUX	704	ON CV-39401 J.0/6.0	CV-39401
U1SSEL	ZX	8	SV-37402	11; 13 FCU CHILLED WTR SUPPLY SV	AUX	702	ON CV-39402 J.0/6.0	CV-39402
U1SSEL	ZX	8	SV-37403	12; 14 FCU CLG WTR SUPPLY SV	AUX	702	ON CV-39403 J.0/6.0	CV-39403
U1SSEL	ZX	8	SV-37404	12; 14 FCU CHILLED WTR SUPPLY SV	AUX	702	ON CV-39404 J.0/6.0	CV-39404
U1SSEL	ZX	8	SV-37405	11 SHROUD CLG COILS TR A CHILLED WTR SUPPLY SV	CNTMT	749	ON CV-39405 14.7/325	CV-39405
U1SSEL	ZX	8	SV-37406	12 SHROUD CLG COILS TR B CHILLED WTR SUPPLY SV	CNTMT	725	ON CV-39406 18.8/310	CV-39406
U1SSEL	ZX	8	SV-37409	12; 14 FCU CLG WTR RETURN SV	AUX	704	ON CV-39409 K.0/7.0	CV-39409
U1SSEL	ZX	8	SV-37411	11; 13 FCU CLG WTR RETURN SV	AUX	704	ON CV-39411 J.0/7.0	CV-39411
U1SSEL	ZX	8	SV-37480	UNIT 1 TRAIN A CHILL WTR/CLG WTR ISOL SV	CNTMT	749	13/330	
U1SSEL	ZX	8	SV-37481	UNIT 1 TRAIN B CHILL WTR/CLG WTR ISOL SV	CNTMT	728		
U1SSEL	ZX	8	SV-37482	UNIT 1 TRAIN A CHILL WTR/CLG WTR ISOL SV	AUX	704		
U1SSEL	ZX	8	SV-37483	UNIT 1 TRAIN B CHILL WTR/CLG WTR ISOL SV	AUX	702		
U2SSEL	AF	18	17701	22 AFP LO DISCH PRESS TRIP PS	TURB	700	ON W SIDE WALL F.8/9.5	
U2SSEL	AF	18	17705	22 AFP LO SUCT PRESS TRIP PS	TURB	700	ON W SIDE WALL F.8/9.5	
U2SSEL	AF	18	17778	21 AFP LO DISCH PRESS TRIP PS	TURB	700	ON N SIDE WALL G.0/8.8	
U2SSEL	AF	18	17779	21 AFP LO SUCT PRESS TRIP PS	TURB	700	ON N SIDE WALL G.0/8.8	

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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
SV-33987	SEISMIC RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-39801	NF-40326
18480	RELAY	OPERABLE	OPERABLE	N					X	NF-88172-1 TO 6	NF-88188
18481	RELAY	OPERABLE	OPERABLE	N					X	NF-88172-1 TO 6	NF-88188
18482	RELAY	OPERABLE	OPERABLE	N					X	NF-88172-1 TO 6	NF-88188
18483	RELAY	OPERABLE	OPERABLE	N					X	NF-88172-1 TO 6	NF-88188
CV-39401	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39216-3	NF-88188
CV-39402	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39216-3	NF-88188
CV-39403	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39216-3	NF-88188
CV-39404	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39216-3	NF-88188
CV-39405	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39216-4	NF-88188
CV-39406	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39216-4	NF-88188
CV-39409	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39216-4	NF-88188
CV-39411	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39216-3	NF-88188
SV-37401	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-88180-1	NF-88188
SV-37402	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-88180-1	NF-88188
SV-37403	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-88180-1	NF-88188
SV-37404	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-88180-1	NF-88188
SV-37405	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-88180-1	NF-88188
SV-37406	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-88180-1	NF-88188
SV-37409	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-88180-1	NF-88188
SV-37411	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-88180-1	NF-88188
SV-37460	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 6	NF-88188
SV-37461	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 6	NF-88188
SV-37462	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 6	NF-88188
SV-37463	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 6	NF-88188
17701	SEISMIC	INTACT	INTACT	N					X	NF-39223	NF-40767
17705	SEISMIC	INTACT	INTACT	N					X	NF-39223	NF-40767
17778	SEISMIC	INTACT	INTACT	N					X	NF-39223	NF-40767
17779	SEISMIC	INTACT	INTACT	N					X	NF-39223	NF-40767

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Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SOUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	AF	18	18037	AUX FW TO 21 STM GEN FI	AUX	695		
U2SSEL	AF	18	18039	AUX FW TO 22 STM GEN FI	AUX	695		
U2SSEL	AF	21	217-111	21 AUXILIARY FEEDWATER PUMP LUBE OIL COOLER	TURB	695	F.5/8.7	245-331
U2SSEL	AF	21	217-112	22 AUXILIARY FEEDWATER PUMP LUBE OIL COOLER	TURB	695	F.5/9.7	245-201
U2SSEL	AF	5	245-201	22 AUXILIARY FEEDWATER PUMP TURBINE DRIVEN	TURB	695	F.5/8.7	
U2SSEL	AF	5	245-331	21 AUXILIARY FEEDWATER PUMP MOTOR DRIVEN	TURB	695	F.5/8.6	
U2SSEL	AF	7	2AF-29-1	21 AUX FW PUMP SUCT RELIEF	TURB	695	F.5/8.6	
U2SSEL	AF	7	2AF-29-2	22 AUX FW PUMP SUCT RELIEF	TURB	695	F.5/9.7	
U2SSEL	AF	7	CV-31418	21 MD AUX FW PMP RCRC/LUBE OIL CLG CV	TURB	715		
U2SSEL	AF	7	CV-31418	22 TD AUX FW PMP RCRC/LUBE OIL CLG CV	TURB	715		
U2SSEL	AF	7	CV-31999	MAIN STEAM SUPPLY TO 22 TD AFW PUMP CV	TURB	697		
U2SSEL	AF	8	MV-32246	22 TD AUX FW TO 21 STM GEN MV	TURB	703	IN 3" LINE F.8/9.8	
U2SSEL	AF	8	MV-32247	22 TD AUX FW TO 22 STM GEN MV	TURB	703	IN 3" LINE F.8/9.8	
U2SSEL	AF	8	MV-32248	21/22 AUX FW TO 21 STM GEN ISOL MV	AUX	736	IN 3" LINE N.4/11.8	
U2SSEL	AF	8	MV-32249	21/22 AUX FW TO 22 STM GEN ISOL MV	AUX	736	IN 3" LINE J.6/12.2	
U2SSEL	AF	8	MV-32383	21 AFWP DSCH TO 21 STM GEN MV	TURB	703	IN 3" LINE F.8/9.5	
U2SSEL	AF	8	MV-32384	21 AFWP DSCH TO 22 STM GEN MV	TURB	703	IN 3" LINE F.8/9.5	
U2SSEL	AF	8	SV-33492	21 MD AUX FW PMP RCRC/LUBE OIL CLG SV	TURB	702	ON CV-31418 F.5/8.6	CV-31418
U2SSEL	AF	8	SV-33493	22 TD AUX FW PMP RCRC/LUBE OIL CLG SV	TURB	702	ON CV-31419 F.5/9.7	CV-31419
U2SSEL	BM	20	B-2	CONTROL PANEL B-2	AUX	735	CONTROL PANEL B-2	
U2SSEL	BM	20	C-2	CONTROL PANEL C-2	AUX	735	CONTROL ROOM	
U2SSEL	BM	20	D-2	CONTROL PANEL D-2	AUX	735	CONTROL ROOM	
U2SSEL	BM	20	E-2	CONTROL PANEL E-2	AUX	735	CONTROL ROOM	
U2SSEL	BM	20	F-2	CONTROL PANEL F-2	AUX	735	CONTROL ROOM	
U2SSEL	CL	7	2CL-57-3	21 CONTAINMENT FAN COIL UNITS - RELIEF VLV	AUX	715	28/270	
U2SSEL	CL	7	2CL-57-4	22 CONTAINMENT FAN COIL UNITS - RELIEF VLV	CNTMT	735	22/320	
U2SSEL	CL	7	2CL-57-5	23 CONTAINMENT FAN COIL UNITS - RELIEF VLV	AUX	715	12/15	
U2SSEL	CL	7	2CL-57-6	24 CONTAINMENT FAN COIL UNITS - RELIEF VLV	CNTMT	735	14/10	
U2SSEL	CL	7	CV-39200	21 & 23 FCU CLG WTR RTN ORIF B-P CV	AUX	723	IN 10" LINE K.5/12.0	

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SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DM	SS	FLOW DIAG	LOGIC DIAG
18037	SEISMIC	INTACT	INTACT	N				X		NF-39223	NF-40767
18039	SEISMIC	INTACT	INTACT	N				X		NF-39223	NF-40767
217-111	ROB	INTACT	INTACT	N				X		NF-39223	
217-112	ROB	INTACT	INTACT	N				X		NF-39223	
245-201	SEISMIC	OFF	ON	N				X		NF-39223	NF-40767
245-331	SEISMIC/RELAY	OFF	ON	Y				X		NF-39223	NF-40767
2AF-29-1	SEISMIC	CLOSED	CLOSED	N				X		NF-39223	
2AF-29-2	SEISMIC	CLOSED	CLOSED	N				X		NF-39223	
CV-31418	SEISMIC/RELAY	CLOSED	OPEN (FO)	N				X		NF-39223	NF-40767
CV-31419	SEISMIC/RELAY	CLOSED	OPEN (FO)	N				X		NF-39223	NF-40767
CV-31999	SEISMIC/RELAY	CLOSED	OPEN (FO)	N				X		NF-39219	NF-40767
MV-32248	SEISMIC/RELAY	OPEN	CLOSED	Y				X		NF-39223	NF-40767
MV-32247	RELAY	OPEN	OPEN	N				X		NF-39223	NF-40767
MV-32248	RELAY	OPEN	OPEN	N				X		NF-39223	NF-40767
MV-32249	RELAY	OPEN	OPEN	N				X		NF-39223	NF-40767
MV-32383	RELAY	OPEN	OPEN	N				X		NF-39223	NF-40767
MV-32384	SEISMIC/RELAY	OPEN	CLOSED	Y				X		NF-39223	NF-40767
SV-33492	ROB	ENERGIZED	DE-ENERGIZED	N				X		NF-39223	NF-40767
SV-33493	ROB	ENERGIZED	DE-ENERGIZED	N				X		NF-39223	NF-40767
B-2	SEISMIC	INTACT	INTACT	N					X		
C-2	SEISMIC	INTACT	INTACT	N					X		
D-2	SEISMIC	INTACT	INTACT	N					X		
E-2	SEISMIC	INTACT	INTACT	N					X		
F-2	SEISMIC	INTACT	INTACT	N					X		
2CL-57-3	SEISMIC	CLOSED	CLOSED	N					X	NF-39217-3	
2CL-57-4	SEISMIC	CLOSED	CLOSED	N					X	NF-39217-3	
2CL-57-5	SEISMIC	CLOSED	CLOSED	N					X	NF-39217-3	
2CL-57-6	SEISMIC	CLOSED	CLOSED	N					X	NF-39217-3	
CV-39200	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-40315

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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	CL	7	CV-39202	22 & 24 FCU CLG WTR RTN DRIF B-P CV	AUX	736	IN 10" LINE J.7/12.0	
U2SSEL	CL	8	MV-32026	21 MD AFW PUMP SUCT CLG WTR SUPPLY MV	TURB	707	IN 4" LINE F.2/8.5	
U2SSEL	CL	8	MV-32030	22 TD AFW PUMP SUCT CLG WTR SUPPLY MV	TURB	707	IN 4" LINE F.2/8.7	
U2SSEL	CL	8	MV-32033	2 TURB BLDG CLG WTR HDR MV	TURB	710	IN 24" LINE B.9/8.8	
U2SSEL	CL	8	MV-32147	21 FC CLG WTR RTRN ISOL MV A	CNTMT	723	IN 8" LINE 2/44	
U2SSEL	CL	8	MV-32148	21 FC CLG WTR RTRN ISOL MV B	AUX	725	IN 8" LINE J.9/11.6	
U2SSEL	CL	8	MV-32150	22 FC CLG WTR RTRN ISOL MV A	CNTMT	736	IN 8" LINE 3/56	
U2SSEL	CL	8	MV-32151	22 FC CLG WTR RTRN ISOL MV B	AUX	740	IN 8" LINE J.8/12.1	
U2SSEL	CL	8	MV-32153	23 FC CLG WTR RTRN ISOL MV A	CNTMT	723	IN 6" LINE 2/40	
U2SSEL	CL	8	MV-32154	23 FC CLG WTR RTRN ISOL MV B	AUX	725	IN 8" LINE J.8/11.9	
U2SSEL	CL	8	MV-32156	24 FC CLG WTR RTRN ISOL MV A	CNTMT	736	IN 8" LINE 3/84	
U2SSEL	CL	8	MV-32157	24 FC CLG WTR RTRN ISOL MV B	AUX	740	IN 8" LINE J.7/12.0	
U2SSEL	CL	8	MV-32160	21 CC HX CLG WTR INLET MV	AUX	705	IN 12" LINE G.2/8.3	
U2SSEL	CL	8	MV-32161	22 CC HX CLG WTR INLET MV	AUX	704	IN 12" LINE G.3/8.7	
U2SSEL	CL	8	MV-32328	21 AUX BLDG CLG WTR RTRN HDR MV	AUX	707	IN 24" LINE J.2/10.8	
U2SSEL	CL	8	MV-32372	21/22 TURB OIL COOLERS CLG WTR BYPASS MV	TURB	710	IN 4" LINE E.8/8.8	
U2SSEL	CL	8	MV-32386	21 FC CLG WTR INLT ISOL MV	AUX	727	IN 8" LINE J.7/12.1	
U2SSEL	CL	8	MV-32387	22 FC CLG WTR INLT ISOL MV	AUX	748	IN 8" LINE J.8/11.7	
U2SSEL	CL	8	MV-32388	23 FC CLG WTR INLT ISOL MV	AUX	728	IN 8" LINE J.8/12.2	
U2SSEL	CL	8	MV-32389	24 FC CLG WTR INLT ISOL MV	AUX	744	IN 8" LINE J.8/11.7	
U2SSEL	CL	8	SV-37200	21 & 23 FCU CLG WTR RTN DRIFICE B-P SV	AUX	723	ON CV-39200 K.5/12.0	CV-39200
U2SSEL	CL	8	SV-37202	22 & 24 FCU CLG WTR RTN DRIF B-P SV	AUX	736	ON CV-39202 J.7/12.0	CV-39202
U2SSEL	D5	11	217-201	D5 1A L/O COOLER	D5/D8	895	G.4/17.3	
U2SSEL	D5	11	217-202	D5 1B L/O COOLER	D5/D8	895	G.8/17.3	
U2SSEL	D5	11	217-203	D5 2A L/O COOLER	D5/D8	895	G.8/17.8	
U2SSEL	D5	11	217-204	D5 2B L/O COOLER	D5/D8	895	G.4/17.8	
U2SSEL	D5	11	217-211	D5 ENG 1 GOV OIL COOLER	D5/D8	895	G.5/17.3	
U2SSEL	D5	11	217-212	D5 ENG 2 GOV OIL COOLER	D5/D8	895	G.5/17.7	
U2SSEL	D5	8	232-481	D5 ENG 1 HT/LT RADIATOR FAN 1	D5/D8	735	G.8/17.6	

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SSEL COMPONENT ID	SOUQ EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
CV-39202	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-40315
MV-32028	SEISMIC/RELAY	CLOSED	OPEN	Y				X	X	NF-39218-2	NF-40767
MV-32030	SEISMIC/RELAY	CLOSED	OPEN	Y				X	X	NF-39217-1	NF-40767
MV-32033	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39217-1	NF-40315
MV-32147	RELAY	OPEN	OPEN	N					X	NF-39217-3	NF-40315
MV-32148	RELAY	OPEN	OPEN	N					X	NF-39217-2	NF-40315
MV-32150	RELAY	OPEN	OPEN	N					X	NF-39217-2	NF-40315
MV-32151	RELAY	OPEN	OPEN	N					X	NF-39217-3	NF-40315
MV-32153	RELAY	OPEN	OPEN	N					X	NF-39217-2	NF-40315
MV-32154	RELAY	OPEN	OPEN	N					X	NF-39217-3	NF-40315
MV-32156	RELAY	OPEN	OPEN	N					X	NF-39217-2	NF-40315
MV-32157	RELAY	OPEN	OPEN	N					X	NF-39217-3	NF-40315
MV-32160	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39217-2	NF-40315
MV-32161	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39217-2	NF-40315
MV-32329	RELAY	CLOSED	CLOSED	N					X	NF-39217-2	NF-40315
MV-32372	RELAY	CLOSED	CLOSED	N					X	NF-39217-1	NF-40315
MV-32386	RELAY	OPEN	OPEN	N					X	NF-39217-2	NF-40315
MV-32387	RELAY	OPEN	OPEN	N					X	NF-39217-2	NF-40315
MV-32388	RELAY	OPEN	OPEN	N					X	NF-39217-2	NF-40315
MV-32389	RELAY	OPEN	OPEN	N					X	NF-39217-2	NF-40315
SV-37200	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39217-2	NF-40315
SV-37202	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39217-2	NF-40315
217-201	IEEE 344	INTACT	INTACT	N					X	NF-118246	
217-202	IEEE 344	INTACT	INTACT	N					X	NF-118246	
217-203	IEEE 344	INTACT	INTACT	N					X	NF-118246	
217-204	IEEE 344	INTACT	INTACT	N					X	NF-118246	
217-211	IEEE 344	INTACT	INTACT	N					X	NF-118243	
217-212	IEEE 344	INTACT	INTACT	N					X	NF-118243	
232-461	IEEE 344	STANDBY	STANDBY	Y					X	NF-118242,3	NF-118648

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APPLICABLE UNIT	PLANT SYSTEM	SOUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	D5	9	232-462	D5 ENG 1 HT/LT RADIATOR FAN 2	D5/D6	735	G.9/17.7	
U2SSEL	D5	9	232-463	D5 ENG 2 HT/LT RADIATOR FAN 1	D5/D6	735	G.5/17.7	
U2SSEL	D5	9	232-464	D5 ENG 2 HT/LT RADIATOR FAN 2	D5/D6	735	G.5/17.8	
U2SSEL	D5	17	234-031	D5 DIESEL GENERATOR	D5/D6	695	G.6/17.4	
U2SSEL	D5	21	235-201	D5 ENG 1 L/O PREHEATING HEAT EXCHANGER	D5/D6	695	H.2/17.5	
U2SSEL	D5	21	235-202	D5 ENG 2 L/O PREHEATING HEAT EXCHANGER	D5/D6	695	H.2/17.8	
U2SSEL	D5	5	245-901	D5 ENG 1 ENG DRVN FO PUMP	D5/D6	695	G.5/17.3	
U2SSEL	D5	5	245-902	D5 ENG 2 ENG DRVN FO PUMP	D5/D6	695	G.5/17.7	
U2SSEL	D5	5	245-911	D5 ENG 1 FO BACKUP PUMP	D5/D6	695	H.2/17.5	
U2SSEL	D5	5	245-912	D5 ENG 2 FO BACKUP PUMP	D5/D6	695	H.2/17.8	
U2SSEL	D5	5	245-921	D5 1A ENG DRVN L/O PUMP	D5/D6	695	G.4/17.3	
U2SSEL	D5	5	245-922	D5 1B ENG DRVN L/O PUMP	D5/D6	695	G.6/17.3	
U2SSEL	D5	5	245-923	D5 2A ENG DRVN L/O PUMP	D5/D6	695	G.6/17.7	
U2SSEL	D5	5	245-924	D5 2B ENG DRVN L/O PUMP	D5/D6	695	G.4/17.7	
U2SSEL	D5	5	245-931	D5 ENG 1 AC PRELUBE PUMP	D5/D6	695	H.2/17.5	
U2SSEL	D5	5	245-932	D5 ENG 2 AC PRELUBE PUMP	D5/D6	695	H.2/17.8	
U2SSEL	D5	5	245-941	D5 ENG 1 DC BU PRELUBE PUMP	D5/D6	695	H.2/17.5	
U2SSEL	D5	5	245-942	D5 ENG 2 DC BU PRELUBE PUMP	D5/D6	695	H.2/17.8	
U2SSEL	D5	5	245-971	D5 ENG 1 ENG DRVN HT CLNT PUMP	D5/D6	695	G.5/17.3	
U2SSEL	D5	5	245-972	D5 ENG 2 ENG DRVN HT CLNT PUMP	D5/D6	695	G.5/17.7	
U2SSEL	D5	5	245-981	D5 ENG 1 ENG DRVN LT CLNT PUMP	D5/D6	695	G.5/17.3	
U2SSEL	D5	5	245-982	D5 ENG 2 ENG DRVN LT CLNT PUMP	D5/D6	695	G.5/17.7	
U2SSEL	D5	5	245-991	D5 ENG 1 HT CLNT PREHTR CIRC PUMP	D5/D6	695	H.2/17.5	
U2SSEL	D5	5	245-992	D5 ENG 2 HT CLNT PREHTR CIRC PUMP	D5/D6	695	H.2/17.8	
U2SSEL	D5	21	246-031	D5 1A START AIR RECEIVER	D5/D6	695	H.3/17.4	
U2SSEL	D5	21	246-032	D5 1B START AIR RECEIVER	D5/D6	695	H.3/17.4	
U2SSEL	D5	21	246-033	D5 2A START AIR RECEIVER	D5/D6	695	H.3/17.6	
U2SSEL	D5	21	246-034	D5 2B START AIR RECEIVER	D5/D6	695	H.3/17.6	
U2SSEL	D5	21	247-021	D5 ENG 1 HT CLNT PREHEATER	D5/D6	695	H.2/17.5	



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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
232-462	IEEE 344	STANDBY	STANDBY	Y					X	NF-118242;3	NF-118848
232-463	IEEE 344	STANDBY	STANDBY	Y					X	NF-118242;3	NF-118848
232-464	IEEE 344	STANDBY	STANDBY	Y					X	NF-118242;3	NF-118848
234-031	IEEE 344	STANDBY	STANDBY	Y					X	NF-40002-4	NF-118853
235-201	IEEE 344	INTACT	INTACT	N					X	NF-118246	NF-118848
235-202	IEEE 344	INTACT	INTACT	N					X	NF-118246	NF-118848
245-901	IEEE 344	STANDBY	STANDBY	N					X	NF-118246	
245-902	IEEE 344	STANDBY	STANDBY	N					X	NF-118246	
245-911	IEEE 344	STANDBY	STANDBY	Y					X	NF-118248	NF-118845
245-912	IEEE 344	STANDBY	STANDBY	Y					X	NF-118248	NF-118845
245-921	IEEE 344	STANDBY	STANDBY	N					X	NF-118248	
245-922	IEEE 344	STANDBY	STANDBY	N					X	NF-118248	
245-923	IEEE 344	STANDBY	STANDBY	N					X	NF-118248	
245-924	IEEE 344	STANDBY	STANDBY	N					X	NF-118248	
245-931	IEEE 344	STANDBY	STANDBY	Y					X	NF-118248	NF-118848
245-932	IEEE 344	STANDBY	STANDBY	Y					X	NF-118248	NF-118848
245-941	IEEE 344	STANDBY	STANDBY	Y					X	NF-118248	NF-118848
245-942	IEEE 344	STANDBY	STANDBY	Y					X	NF-118248	NF-118848
245-971	IEEE 344	STANDBY	STANDBY	N					X	NF-118242	
245-972	IEEE 344	STANDBY	STANDBY	N					X	NF-118242	
245-981	IEEE 344	STANDBY	STANDBY	N					X	NF-118243	
245-982	IEEE 344	STANDBY	STANDBY	N					X	NF-118243	
245-991	IEEE 344	STANDBY	STANDBY	Y					X	NF-118242	NF-118848
245-992	IEEE 344	STANDBY	STANDBY	Y					X	NF-118242	NF-118848
246-031	IEEE 344	INTACT	INTACT	N					X	NF-118250	
246-032	IEEE 344	INTACT	INTACT	N					X	NF-118250	
246-033	IEEE 344	INTACT	INTACT	N					X	NF-118250	
246-034	IEEE 344	INTACT	INTACT	N					X	NF-118250	
247-021	IEEE 344	INTACT	INTACT	Y					X	NF-118242	NF-118848

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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	D5	21	247-022	D5 ENG 2 HT CLNT PREHEATER	D5/D8	695	H.2/17.6	
U2SSEL	D5	21	253-371	D5 ENG 1 FO LEAKAGE TANK	D5/D8	695	G.7/17.4	
U2SSEL	D5	21	253-372	D5 ENG 2 FO LEAKAGE TANK	D5/D8	695	G.7/17.6	
U2SSEL	D5	21	253-401	D5 ENG 1 HT EXPANSION TANK	D5/D8	735	G.7/17.5	
U2SSEL	D5	21	253-402	D5 ENG 2 HT EXPANSION TANK	D5/D8	735	H.2/17.8	
U2SSEL	D5	21	253-411	D5 ENG 1 LT EXPANSION TANK	D5/D8	735	G.4/17.5	
U2SSEL	D5	21	253-412	D5 ENG 2 LT EXPANSION TANK	D5/D8	735	H.2/17.7	
U2SSEL	D5	21	262-441	D5 ENG 1 HT/LT RADIATOR	D5/D8	735	H.0/17.8	
U2SSEL	D5	21	262-442	D5 ENG 2 HT/LT RADIATOR	D5/D8	735	G.3/17.6	
U2SSEL	D5	10	266-011	D5 1A INBOARD AIR AFTERCOOLER	D5/D8	695	G.4/17.4	
U2SSEL	D5	10	266-012	D5 1B INBOARD AIR AFTERCOOLER	D5/D8	695	G.6/17.4	
U2SSEL	D5	10	266-013	D5 2A INBOARD AIR AFTERCOOLER	D5/D8	695	G.6/17.8	
U2SSEL	D5	10	266-014	D5 2B INBOARD AIR AFTERCOOLER	D5/D8	695	G.4/17.8	
U2SSEL	D5	10	266-021	D5 1A OBRD AIR AFTERCOOLER	D5/D8	695	G.4/17.3	
U2SSEL	D5	10	266-022	D5 1B OBRD AIR AFTERCOOLER	D5/D8	695	G.6/17.3	
U2SSEL	D5	10	266-023	D5 2A OBRD AIR AFTERCOOLER	D5/D8	695	G.6/17.7	
U2SSEL	D5	10	266-024	D5 2B OBRD AIR AFTERCOOLER	D5/D8	695	G.4/17.4	
U2SSEL	D5	0	269-301	D5 ENG 1 COMBUSTION AIR FILTER	D5/D8	718	G.8/17.5	
U2SSEL	D5	0	269-302	D5 ENG 2 COMBUSTION AIR FILTER	D5/D8	718	G.4/17.8	
U2SSEL	D5	0	278-011	D5 ENG 1 EXHAUST SILENCER	D5/D8	707	G.2/17.6	
U2SSEL	D5	0	278-012	D5 ENG 2 EXHAUST SILENCER	D5/D8	707	H.3/17.5	
U2SSEL	D5	0	50000	D5 DSL GEN BENCHBOARD	D5/D8	695	H.0/17.1	
U2SSEL	D5	0	50200	D5 DSL GEN VERTICAL PANEL	D5/D8	695	H.0/18.9	
U2SSEL	D5	0	55320	D5 DSL GEN ENG 1 AUX DESK	D5/D8	695	H.0/17.3	
U2SSEL	D5	0	55420	D5 DSL GEN ENG 2 AUX DESK	D5/D8	695	H.0/17.5	
U2SSEL	D5	4	GRD/D5	D5 DSL GEN NEUT GROUNDING TRANSFORMER	D5/D8	695	D5 EXCITATION PNL	D5/EXC PNL
U2SSEL	D5	4	PT-1/D5	D5 AUTO VOLTAGE REG MOTOR OPERATED POT	D5/D8	695	D5 EXCITATION PNL	D5/EXC PNL
U2SSEL	D5	4	PT-2/D5	D5 MANUAL VOLTAGE REG MOTOR OPERATED POT	D5/D8	695	D5 EXCITATION PNL	D5/EXC PNL
U2SSEL	D5	4	PT/TT/D5	D5 DSL GEN PH A-B POT XFMR 4.16KV-120X120V	D5/D8	695	D5 EXCITATION PNL	D5/EXC PNL

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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SQUC EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
247-022	IEEE 344	INTACT	INTACT	Y					X	NF-118242	NF-118248
253-371	IEEE 344	INTACT	INTACT	N					X	NF-118248	NF-118245
253-372	IEEE 344	INTACT	INTACT	N					X	NF-118248	NF-118245
253-401	IEEE 344	INTACT	INTACT	N					X	NF-118242	
253-402	IEEE 344	INTACT	INTACT	N					X	NF-118242	
253-411	IEEE 344	INTACT	INTACT	N					X	NF-118243	
253-412	IEEE 344	INTACT	INTACT	N					X	NF-118243	
262-441	IEEE 344	INTACT	INTACT	N					X	NF-118242	
262-442	IEEE 344	INTACT	INTACT	N					X	NF-118242	
266-011	IEEE 344	INTACT	INTACT	N					X	NF-118243	
266-012	IEEE 344	INTACT	INTACT	N					X	NF-118243	
266-013	IEEE 344	INTACT	INTACT	N					X	NF-118243	
266-014	IEEE 344	INTACT	INTACT	N					X	NF-118243	
266-021	IEEE 344	INTACT	INTACT	N					X	NF-118243	
266-022	IEEE 344	INTACT	INTACT	N					X	NF-118243	
266-023	IEEE 344	INTACT	INTACT	N					X	NF-118243	
266-024	IEEE 344	INTACT	INTACT	N					X	NF-118243	
269-301	IEEE 344	INTACT	INTACT	N					X	NF-118240	
269-302	IEEE 344	INTACT	INTACT	N					X	NF-118240	
278-011	IEEE 344	INTACT	INTACT	N					X	NF-118240	
278-012	IEEE 344	INTACT	INTACT	N					X	NF-118240	
50000	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
50200	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
55320	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
55420	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
GRD/05	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
PT-1/05	ROB	INTACT	INTACT	Y					X	NF-40002-4	
PT-2/05	ROB	INTACT	INTACT	Y					X	NF-40002-4	
PT/TT 1/05	ROB	INTACT	INTACT	Y					X	NF-40002-4	

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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	D5	4	PT/TT2/D5	D5 DSL GEN PH B-C POT XFMR 4.16KV-120X120V	D5/D6	695	D5 EXCITATION PNL	D5/EXC PNL
U2SSEL	D5	4	PT/TT3/D5	D5 DSL GEN PH A-B POT XFMR 4.16KV-120X120V	D5/D6	695	D5 EXCITATION PNL	D5/EXC PNL
U2SSEL	D5	4	PT/TT4/D5	D5 DSL GEN PH B-C POT XFMR 4.16KV-120X120V	D5/D6	695	D5 EXCITATION PNL	D5/EXC PNL
U2SSEL	D6	11	217-205	D6 1A LJO COOLER	D5/D6	695	J.2/17.8	
U2SSEL	D6	11	217-206	D6 1B LJO COOLER	D5/D6	695	H.8/17.8	
U2SSEL	D6	11	217-207	D6 2A LJO COOLER	D5/D6	695	H.8/17.3	
U2SSEL	D6	11	217-208	D6 2B LJO COOLER	D5/D6	695	J.2/17.3	
U2SSEL	D6	11	217-213	D6 ENG 1 GOV OIL COOLER	D5/D6	695	J.0/17.7	
U2SSEL	D6	11	217-214	D6 ENG 2 GOV OIL COOLER	D5/D6	695	J.0/17.3	
U2SSEL	D6	9	232-465	D6 ENG 1 HT/LT RADIATOR FAN 1	D5/D6	735	J.2/17.8	
U2SSEL	D6	9	232-466	D6 ENG 1 HT/LT RADIATOR FAN 2	D5/D6	735	J.2/17.7	
U2SSEL	D6	8	232-467	D6 ENG 2 HT/LT RADIATOR FAN 1	D5/D6	735	H.8/17.7	
U2SSEL	D6	8	232-468	D6 ENG 2 HT/LT RADIATOR FAN 2	D5/D6	735	H.8/17.8	
U2SSEL	D6	17	234-032	D6 DIESEL GENERATOR	D5/D6	695	J.1/17.4	
U2SSEL	D6	21	235-203	D6 ENG 1 LJO PREHEATING HEAT EXCHANGER	D5/D6	695	H.7/17.8	
U2SSEL	D6	21	235-204	D6 ENG 2 LJO PREHEATING HEAT EXCHANGER	D5/D6	695	H.7/17.5	
U2SSEL	D6	5	245-903	D6 ENG 1 ENG DRVN FO PUMP	D5/D6	695	J.0/17.3	
U2SSEL	D6	5	245-904	D6 ENG 2 ENG DRVN FO PUMP	D5/D6	695	J.0/17.7	
U2SSEL	D6	5	245-913	D6 ENG 1 FO BACKUP PUMP	D5/D6	695	H.7/17.8	
U2SSEL	D6	5	245-914	D6 ENG 2 FO BACKUP PUMP	D5/D6	695	H.7/17.5	
U2SSEL	D6	5	245-925	D6 1B ENG DRVN LJO PUMP	D5/D6	695	J.1/17.7	
U2SSEL	D6	5	245-926	D6 1B ENG DRVN LJO PUMP	D5/D6	695	H.9/17.7	
U2SSEL	D6	5	245-927	D6 2A ENG DRVN LJO PUMP	D5/D6	695	H.8/17.3	
U2SSEL	D6	5	245-928	D6 2B ENG DRVN LJO PUMP	D5/D6	695	J.1/17.3	
U2SSEL	D6	5	245-933	D6 ENG 1 AC PRELUBE PUMP	D5/D6	695	H.7/17.8	
U2SSEL	D6	5	245-934	D6 ENG 2 AC PRELUBE PUMP	D5/D6	695	H.7/17.5	
U2SSEL	D6	5	245-943	D6 ENG 1 DC BU PRELUBE PUMP	D5/D6	695	H.7/17.8	
U2SSEL	D6	5	245-944	D6 ENG 2 DC BU PRELUBE PUMP	D5/D6	695	H.7/17.5	
U2SSEL	D6	5	245-973	D6 ENG 1 ENG DRVN HT CLNT PUMP	D5/D6	695	J.0/17.7	

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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
PT/TT2/D5	ROB	INTACT	INTACT	Y					X	NF-40002-4	
PT/TT3/D5	ROB	INTACT	INTACT	Y					X	NF-40002-4	
PT/TT4/D5	ROB	INTACT	INTACT	Y					X	NF-40002-4	
217-205	IEEE 344	INTACT	INTACT	N					X	NF-118247	
217-206	IEEE 344	INTACT	INTACT	N					X	NF-118247	
217-207	IEEE 344	INTACT	INTACT	N					X	NF-118247	
217-208	IEEE 344	INTACT	INTACT	N					X	NF-118247	
217-213	IEEE 344	INTACT	INTACT	N					X	NF-118245	
217-214	IEEE 344	INTACT	INTACT	N					X	NF-118245	
232-465	IEEE 344	STANDBY	STANDBY	Y					X	NF-118244,5	NF-118848
232-466	IEEE 344	STANDBY	STANDBY	Y					X	NF-118244,5	NF-118848
232-467	IEEE 344	STANDBY	STANDBY	Y					X	NF-118244,5	NF-118848
232-468	IEEE 344	STANDBY	STANDBY	Y					X	NF-118244,5	NF-118848
234-032	IEEE 344	STANDBY	STANDBY	Y					X	NF-40002-4	NF-118853
235-203	IEEE 344	INTACT	INTACT	N					X	NF-118247	NF-118848
235-204	IEEE 344	INTACT	INTACT	N					X	NF-118247	NF-118849
245-903	IEEE 344	STANDBY	STANDBY	N					X	NF-118248	
245-904	IEEE 344	STANDBY	STANDBY	N					X	NF-118248	
245-913	IEEE 344	STANDBY	STANDBY	Y					X	NF-118248	NF-118845
245-914	IEEE 344	STANDBY	STANDBY	Y					X	NF-118248	NF-118845
245-925	IEEE 344	STANDBY	STANDBY	N					X	NF-118247	
245-926	IEEE 344	STANDBY	STANDBY	N					X	NF-118247	
245-927	IEEE 344	STANDBY	STANDBY	N					X	NF-118247	
245-928	IEEE 344	STANDBY	STANDBY	N					X	NF-118247	
245-933	IEEE 344	STANDBY	STANDBY	Y					X	NF-118247	NF-118848
245-934	IEEE 344	STANDBY	STANDBY	Y					X	NF-118247	NF-118848
245-943	IEEE 344	STANDBY	STANDBY	Y					X	NF-118247	XH-118848
245-944	IEEE 344	STANDBY	STANDBY	Y					X	NF-118247	NF-118848
245-973	IEEE 344	STANDBY	STANDBY	N					X	NF-118244	

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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	D6	5	245-974	D6 ENG 2 ENG DRVN HT CLNT PUMP	D5/D6	695	J.0/17.3	
U2SSEL	D6	5	245-983	D6 ENG 1 ENG DRVN LT CLNT PUMP	D5/D6	695	J.0/17.7	
U2SSEL	D6	5	245-984	D6 ENG 2 ENG DRVN LT CLNT PUMP	D5/D6	695	J.0/17.3	
U2SSEL	D6	5	245-993	D6 ENG 1 HT CLNT PREHTR CIRC PUMP	D5/D6	695	H.7/17.8	
U2SSEL	D6	5	245-994	D6 ENG 2 HT CLNT PREHTR CIRC PUMP	D5/D6	695	H.7/17.5	
U2SSEL	D6	21	246-035	D6 1A START AIR RECEIVER	D5/D6	695	H.4/17.8	
U2SSEL	D6	21	246-036	D6 1B START AIR RECEIVER	D5/D6	695	H.4/17.8	
U2SSEL	D6	21	246-037	D6 2A START AIR RECEIVER	D5/D6	695	H.4/17.4	
U2SSEL	D6	21	246-038	D6 2B START AIR RECEIVER	D5/D6	695	H.4/17.4	
U2SSEL	D6	21	247-023	D6 ENG 1 HT CLNT PREHEATER	D5/D6	695	H.7/17.8	
U2SSEL	D6	21	247-024	D6 ENG 2 HT CLNT PREHEATER	D5/D6	695	H.7/17.5	
U2SSEL	D6	21	253-373	D6 ENG 1 FO LEAKAGE TANK	D5/D6	695	J.0/17.8	
U2SSEL	D6	21	253-374	D6 ENG 2 LEAKAGE TANK	D5/D6	695	J.0/17.4	
U2SSEL	D6	21	253-403	D6 ENG 1 HT EXPANSION TANK	D5/D6	735	H.4/17.7	
U2SSEL	D6	21	253-404	D6 ENG 2 HT EXPANSION TANK	D5/D6	735	J.2/17.5	
U2SSEL	D6	21	253-413	D6 ENG 1 LT EXPANSION TANK	D5/D6	735	H.4/17.8	
U2SSEL	D6	21	253-414	D6 ENG 2 LT EXPANSION TANK	D5/D6	735	H.8/17.5	
U2SSEL	D6	21	262-443	D6 ENG 1 HT/LT RADIATOR	D5/D6	735	J.2/17.8	
U2SSEL	D6	21	262-444	D6 ENG 2 HT/LT RADIATOR	D5/D6	735	H.8/17.8	
U2SSEL	D6	10	266-015	D6 1A INBOARD AIR AFTERCOOLER	D5/D6	695	J.1/17.8	
U2SSEL	D6	10	266-016	D6 1B INBOARD AIR AFTERCOOLER	D5/D6	695	H.8/17.8	
U2SSEL	D6	10	266-017	D6 2A INBOARD AIR AFTERCOOLER	D5/D6	695	J.8/17.4	
U2SSEL	D6	10	266-018	D6 2B INBOARD AIR AFTERCOOLER	D5/D6	695	J.1/17.4	
U2SSEL	D6	10	266-025	D6 1A OBRD AIR AFTERCOOLER	D5/D6	695	J.1/17.7	
U2SSEL	D6	10	266-026	D6 1B OBRD AIR AFTERCOOLER	D5/D6	695	H.8/17.7	
U2SSEL	D6	10	266-027	D6 2A OBRD AIR AFTERCOOLER	D5/D6	695	H.8/17.3	
U2SSEL	D6	10	266-028	D6 2B OBRD AIR AFTERCOOLER	D5/D6	695	J.1/17.3	
U2SSEL	D6	0	269-303	D6 ENG 1 COMBUSTION AIR FILTER	D5/D6	718	J.2/17.8	
U2SSEL	D6	0	269-304	D6 ENG 2 COMBUSTION AIR FILTER	D5/D6	718	H.8/17.5	

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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
245-874	IEEE 344	STANDBY	STANDBY	N					X	NF-118244	
245-883	IEEE 344	STANDBY	STANDBY	N					X	NF-118245	
245-884	IEEE 344	STANDBY	STANDBY	N					X	NF-118245	
245-893	IEEE 344	STANDBY	STANDBY	Y					X	NF-118244	NF-118848
245-894	IEEE 344	STANDBY	STANDBY	Y					X	NF-118244	NF-118848
246-035	IEEE 344	INTACT	INTACT	N					X	NF-118251	
246-038	IEEE 344	INTACT	INTACT	N					X	NF-118251	
246-037	IEEE 344	INTACT	INTACT	N					X	NF-118251	
246-038	IEEE 344	INTACT	INTACT	N					X	NF-118251	
247-023	IEEE 344	INTACT	INTACT	Y					X	NF-118244	NF-118848
247-024	IEEE 344	INTACT	INTACT	Y					X	NF-118244	NF-118848
253-373	IEEE 344	INTACT	INTACT	N					X	NF-118248	NF-118845
253-374	IEEE 344	INTACT	INTACT	N					X	NF-118248	NF-118845
253-403	IEEE 344	INTACT	INTACT	N					X	NF-118244	
253-404	IEEE 344	INTACT	INTACT	N					X	NF-118244	
253-413	IEEE 344	INTACT	INTACT	N					X	NF-118245	
253-414	IEEE 344	INTACT	INTACT	N					X	NF-118245	
262-443	IEEE 344	INTACT	INTACT	N					X	NF-118244	
262-444	IEEE 344	INTACT	INTACT	N					X	NF-118244	
268-015	IEEE 344	INTACT	INTACT	N					X	NF-118245	
268-016	IEEE 344	INTACT	INTACT	N					X	NF-118245	
268-017	IEEE 344	INTACT	INTACT	N					X	NF-118245	
268-018	IEEE 344	INTACT	INTACT	N					X	NF-118245	
268-025	IEEE 344	INTACT	INTACT	N					X	NF-118245	
268-028	IEEE 344	INTACT	INTACT	N					X	NF-118245	
268-027	IEEE 344	INTACT	INTACT	N					X	NF-118245	
268-028	IEEE 344	INTACT	INTACT	N					X	NF-118245	
269-303	IEEE 344	INTACT	INTACT	N					X	NF-118241	
269-304	IEEE 344	INTACT	INTACT	N					X	NF-118241	

Northern States Power Company  
Prairie Island Nuclear Generating Plant  
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Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	D6	0	278-013	D6 ENG 1 EXHAUST SILENCER	D5/D6	707	J.5/17.6	
U2SSEL	D6	0	278-014	D6 ENG 2 EXHAUST SILENCER	D5/D6	707	H.5/17.5	
U2SSEL	D6	0	55820	D6 DSL GEN ENG 1 AUX DESK	D5/D6	695	H.5/17.5	
U2SSEL	D6	0	55920	D6 DSL GEN ENG 2 AUX DESK	D5/D6	695	H.5/17.3	
U2SSEL	D6	0	6000C	D6 DSL GEN BENCHBOARD	D5/D6	695	H.6/17.1	
U2SSEL	D6	0	60200	D6 DSL GEN VERTICAL PANEL	D5/D6	695	H.7/16.9	
U2SSEL	D6	4	GRD/D6	D6 DSL GEN NEUT GROUNDING TRANSFORMER	D5/D6	695	D6 EXCITATION PNL	D6/EXC PNL
U2SSEL	D6	4	PT-1/D6	D6 AUTO VOLTAGE REG MOTOR OPERATED POT	D5/D6	695	D6 EXCITATION PNL	D6/EXC PNL
U2SSEL	D6	4	PT-2/D6	D6 MANUAL VOLTAGE REG MOTOR OPERATED POT	D5/D6	695	D6 EXCITATION PNL	D6/EXC PNL
U2SSEL	D6	4	PT/TT1/D6	D6 DSL GEN PH A-B POT XFMR 4.18KV-120X120V	D5/D6	695	D6 EXCITATION PNL	D6/EXC PNL
U2SSEL	D6	4	PT/TT2/D6	D6 DSL GEN PH B-C POT XFMR 4.18KV-120X120V	D5/D6	695	D6 EXCITATION PNL	D6/EXC PNL
U2SSEL	D6	4	PT/TT3/D6	D6 DSL GEN PH A-B POT XFMR 4.18KV-120X120V	D5/D6	695	D6 EXCITATION PNL	D6/EXC PNL
U2SSEL	D6	4	PT/TT4/D6	D6 DSL GEN PH B-C POT XFMR 4.18KV-120X120V	D5/D6	695	D6 EXCITATION PNL	D6/EXC PNL
U2SSEL	DC	15	21 BATT	21 BATTERY	TURB	695	21 BATT RM	
U2SSEL	DC	16	21 BATT CHG	21 BATTERY CHARGER	TURB	695	21 BATT RM	
U2SSEL	DC	4	21 BATT CHG/XFM	21 BATTERY CHARGER TRANSFORMER	TURB	695	21 BATT RM	21 BATT CHG
U2SSEL	DC	15	22 BATT	22 BATTERY	TURB	695	22 BATT RM	
U2SSEL	DC	16	22 BATT CHG	22 BATTERY CHARGER	TURB	695	22 BATT RM	
U2SSEL	DC	4	22 BATT CHG/XFM	22 BATTERY CHARGER TRANSFORMER	TURB	695	22 BATT RM	22 BATT CHG
U2SSEL	DC	14	PNL 21	DISTRIBUTION PANEL 21	TURB	695	C.8/9.2 21 BATTERY ROOM	
U2SSEL	DC	14	PNL 22	DC DISTRIBUTION PANEL 22	TURB	715		
U2SSEL	DC	14	PNL 25	NUCLEAR DISTRIBUTION PANEL 25	TURB	715	G.0/9.7	
U2SSEL	DC	14	PNL 251	DC DISTRIBUTION PANEL 251	AUX	715	J.0/13.0 NEAR MCC 2J1	
U2SSEL	DC	14	PNL 26	NUCLEAR DISTRIBUTION PANEL 26	AUX	715	G.5/9.5	
U2SSEL	DC	14	PNL 261	DC DISTRIBUTION PANEL 261	AUX	715	K.5/10.2 ENTRY TO VLV GALLERY	
U2SSEL	DC	14	PNL 262	DC DISTRIBUTION PANEL 262	AUX	715	K.0/11.5 NEAR MCC 2J2	
U2SSEL	DC	20	PNL 27	DISTRIBUTION PANEL 27	D5/D6	695	G.5/15.6 D5 INVERTER ROOM	
U2SSEL	DC	20	PNL 28	DISTRIBUTION PANEL 28	D5/D6	695	J.8/15.6 D6 INVERTER ROOM	
U2SSEL	E5	20	D5/EXC PNL	D5 DSL GEN EXCITATION PANEL SEVR	D5/D6	695		



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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
278-013	IEEE 344	INTACT	INTACT	N					X	NF-118241	
278-014	IEEE 344	INTACT	INTACT	N					X	NF-118241	
55820	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
55920	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
60000	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
80200	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
GRD/D8	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
PT-1/D8	ROB	INTACT	INTACT	Y					X	NF-40002-4	
PT-2/D8	ROB	INTACT	INTACT	Y					X	NF-40002-4	
PT/TT1/D8	ROB	INTACT	INTACT	Y					X	NF-40002-4	
PT/TT2/D8	ROB	INTACT	INTACT	Y					X	NF-40002-4	
PT/TT3/D8	ROB	INTACT	INTACT	Y					X	NF-40002-4	
PT/TT4/D8	ROB	INTACT	INTACT	Y					X	NF-40002-4	
21 BATT	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
21 BATT CHG	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
21 BATT CHG/XFM	ROB	INTACT	INTACT	Y					X	NF-40418-1	
22 BATT	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	
22 BATT CHG	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	
22 BATT CHG/XFM	ROB	INTACT	INTACT	Y					X	NF-40418-2	
PNL 21	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
PNL 22	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	
PNL 25	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
PNL 251	SEISMIC	INTACT	INTACT	Y					X	NF-40418-3	
PNL 26	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	
PNL 261	SEISMIC	INTACT	INTACT	Y					X	NF-40418-3	
PNL 262	SEISMIC	INTACT	INTACT	Y					X	NF-40418-3	
PNL 27	SEISMIC	INTACT	INTACT	Y					X	NF-40547-1	
PNL 28	SEISMIC	INTACT	INTACT	Y					X	NF-40547-2	
D5/EXC PNL	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	

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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SOUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	E5	20	D5/GND CAB	D5 DSL GEN GROUND CABINET	D5/D8	707		
U2SSEL	E5	20	D5/RTU	D5 DSL GEN REMOTE TERMINAL UNIT CABINET	D5/D8	895		
U2SSEL	E5	20	D5/RTV	D5 DSL GEN REMOTE TRANSMITTER & VIBRATION CABINET	D5/D8	895		
U2SSEL	E8	20	D8/EXC PNL	D8 DSL GEN EXCITATION PANEL SEVR	D5/D8	895		
U2SSEL	E8	20	D8/GND CAB	D8 DSL GEN GROUND CABINET	D5/D8	707		
U2SSEL	E8	20	D8/RTU	D8 DSL GEN REMOTE TERMINAL UNIT CABINET	D5/D8	895		
U2SSEL	E8	20	D8/RTV	D8 DSL GEN REMOTE TRANSMITTER & VIBRATION CABINET	D5/D8	895		
U2SSEL	EA	20	B25/AUX RELAY CAB	BUS 25 AUXILIARY RELAY CABINET	D5/D8	718	H.3/18.3	
U2SSEL	EA	20	B25/LOAD SEQ CAB	BUS 25 SAFEGUARDS LOAD SEQUENCER CABINET	D5/D8	718		
U2SSEL	EA	20	B26/AUX RELAY CAB	BUS 26 AUXILIARY RELAY CABINET	D5/D8	718	H.7/18.3	
U2SSEL	EA	20	B26/LOAD SEQ CAB	BUS 26 SAFEGUARDS LOAD SEQUENCER CABINET	D5/D8	718		
U2SSEL	EA	3	BKR 25-10	21 AFW PUMP	D5/D8	718	G.8/18.0	BUS 25
U2SSEL	EA	3	BKR 25-15	BUS 25 FEED TO 11A XFMR	D5/D8	718	G.8/18.0	BUS 25
U2SSEL	EA	3	BKR 25-18	BUS 25 SOURCE FROM 2RY XFMR	D5/D8	718	G.8/18.0	BUS 25
U2SSEL	EA	3	BKR 25-17	BUSTIE BUS 25/BUS 15	D5/D8	718	G.8/18.0	BUS 25
U2SSEL	EA	3	BKR 25-2	BUS 25 SOURCE FROM D5 DSL GEN	D5/D8	718	G.8/18.0	BUS 25
U2SSEL	EA	3	BKR 25-3	BUS 25 FEED TO 212M XFMR	D5/D8	718	G.8/18.0	BUS 25
U2SSEL	EA	3	BKR 25-5	BUS 25 SOURCE FROM CT12	D5/D8	718	G.8/18.0	BUS 25
U2SSEL	EA	3	BKR 25-6	BUS 25 FEED TO 211M XFMR	D5/D8	718	G.8/18.0	BUS 25
U2SSEL	EA	3	BKR 26-1	BUSTIE BUS 26/BUS 18	D5/D8	718	J.2/18.0	BUS 26
U2SSEL	EA	3	BKR 26-12	BUS 26 FEED TO 221M XFMR	D5/D8	718	J.2/18.0	BUS 26
U2SSEL	EA	3	BKR 26-13	BUS 26 SOURCE FROM CT12	D5/D8	718	J.2/18.0	BUS 26
U2SSEL	EA	3	BKR 26-15	BUS 26 FEED TO 222M XFMR	D5/D8	718	J.2/18.0	BUS 26
U2SSEL	EA	3	BKR 26-16	BUS 26 SOURCE FROM D8 DSL GEN	D5/D8	718	J.2/18.0	BUS 26
U2SSEL	EA	3	BKR 26-2	BUS 26 SOURCE FROM 2RY XFMR	D5/D8	718	J.2/18.0	BUS 26
U2SSEL	EA	3	BKR 26-3	BUS 26 FEED TO 12A XFMR	D5/D8	718	J.2/18.0	BUS 26
U2SSEL	EA	3	BUS 25	BUS 25 4.18KV SWITCHGEAR	D5/D8	718	G.8/18.0	BUS 26
U2SSEL	EA	3	BUS 26	BUS 26 4.18KV SWITCHGEAR	D5/D8	718	J.2/18.0	BUS 26
U2SSEL	EB	4	211M/XFMR	211M TRANSFORMER	D5/D8	735	BUS 211	BUS 211

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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
D5/GND CAB	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
D5/RTU	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
D5/RTV	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
D8/EXC PNL	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
D8/GND CAB	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
D8/RTU	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
D8/RTV	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
B25/AUX RELAY CAB	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	NF-40019
B25/LOAD SEQ CAB	IEEE 344	INTACT	INTACT	Y					X	NF-40002-4	NF-40019
B28/AUX RELAY CAB	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	NF-40019
B28/LOAD SEQ CAB	IEEE 344	INTACT	INTACT	Y					X	NF-40002-4	NF-40019
BKR 25-10	ROB	OPEN	CLOSED	Y				X	X	NF-40002-5	NF-40019
BKR 25-15	ROB/RELAY	OPEN	OPEN	N					X	NF-40002-5	NF-40019
BKR 25-16	ROB/RELAY	CLOSED	OPEN	Y					X	NF-40002-5	NF-40019
BKR 25-17	ROB/RELAY	OPEN	OPEN	N					X	NF-40002-5	NF-40019
BKR 25-2	ROB/RELAY	OPEN	CLOSED	Y					X	NF-40002-5	NF-40019
BKR 25-3	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40002-5	NF-40019
BKR 25-5	ROB/RELAY	OPEN	OPEN	N					X	NF-40002-5	NF-40019
BKR 25-6	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40002-5	NF-40019
BKR 26-1	ROB/RELAY	OPEN	OPEN	N					X	NF-40002-5	NF-40019
BKR 26-12	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40002-5	NF-40019
BKR 26-13	ROB/RELAY	CLOSED	OPEN	Y					X	NF-40002-5	NF-40019
BKR 26-15	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40002-5	NF-40019
BKR 26-16	ROB/RELAY	OPEN	CLOSED	Y					X	NF-40002-5	NF-40019
BKR 26-2	ROB/RELAY	OPEN	OPEN	N					X	NF-40002-5	NF-40019
BKR 26-3	ROB/RELAY	OPEN	OPEN	N					X	NF-40002-5	NF-40019
BUS 25	IEEE 344/RELAY	INTACT	INTACT	Y					X	NF-40002-5	NF-40019
BUS 26	IEEE 344/RELAY	INTACT	INTACT	Y					X	NF-40002-5	NF-40019
211M/XFMR	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015

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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SOUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	EB	4	212M/XFMR	212M TRANSFORMER	05/D6	735	BUS 212	BUS 212
U2SSEL	EB	4	221M/XFMR	221M TRANSFORMER	05/D6	735	BUS 221	BUS 221
U2SSEL	EB	4	222M/XFMR	222M TRANSFORMER	05/D6	735	BUS 222	BUS 222
U2SSEL	EB	4	2PZRHTRA/XFMR	2 PRZR HTR GRP A TRANSFORMER	AUX	735	H.2/14.1/735AUX	
U2SSEL	EB	4	2PZRHTRB/XFMR	2 PRZR HTR GRP B TRANSFORMER	AUX	735	H.2/14.1/735AUX	
U2SSEL	EB	2	BKR 211A	BUS 211 SOURCE FROM 21A XFMR	05/D6	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211C	480V MCC 1AB BUS 1 ALTERNATE FEED	05/D6	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211D	21 D5 DSL RM COOLING FAN	05/D6	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211E	480V MCC 2A BUS 1 FEEDER FROM 211	05/D6	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211F	MCC 2AC1	05/D6	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211J	480V MCC 2K BUS 1 FEEDER FROM 211	05/D6	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211K	480V MCC 2TA BUS 1 FEEDER FROM 211	05/D6	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211M	BUS 211 SOURCE FROM 211M XFMR	05/D6	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 212A	BUS 212 SOURCE FROM 21A XFMR	05/D6	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 212C	480V MCC 2S BUS 1 FEEDER FROM 212	05/D6	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 212E	480V MCC 2L BUS 1 FEEDER FROM 212	05/D6	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 212G	MCC 1T1 (ALTERNATE FEED)	05/D6	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 212J	MCC 2X1	05/D6	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 212K	480V MCC 2M BUS 1 FEEDER FROM 212	05/D6	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 212L	480V MCC 2LA1 BUS 1 FEEDER FROM 212	05/D6	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 212M	BUS 212 SOURCE FROM 212M XFMR	05/D6	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 221A	BUS 221 SOURCE FROM 22A XFMR	05/D6	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221B	480V MCC 2KA BUS 2 FEEDER FROM 221	05/D6	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221C	480V MCC BUS 1AB BUS 2 NORMAL FEED	05/D6	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221D	22 D6 DSL RM COOLING FAN	05/D6	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221E	480V MCC 2A BUS 2 FEEDER FROM 221	05/D6	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221F	MCC 2AC2	05/D6	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221J	480V MCC 2K BUS 2 FEEDER FROM 221	05/D6	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221K	480V MCC 2TA BUS 2 FEEDER FROM 221	05/D6	735	H.8/15.8 221 BUS ROOM	BUS 221

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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
212M/XFMR	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
221M/XFMR	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
222M/XFMR	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
2PZRHTRA/XFMR	SEISMIC	INTACT	INTACT	Y			X		X	NF-40022-2	NF-40015
2PZRHTRB/XFMR	SEISMIC	INTACT	INTACT	Y			X		X	NF-40022-2	NF-40015
BKR 211A	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 211C	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 211D	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 211E	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 211F	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 211J	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 211K	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 211M	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 212A	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 212C	ROB/RELAY	CLOSED	CLOSED	Y					X	NF-40022-2	NF-40015
BKR 212E	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 212G	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 212J	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 212K	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 212L	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 212M	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 221A	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 221B	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 221C	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 221D	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 221E	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 221F	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 221J	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 221K	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015

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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	EB	2	BKR 221M	BUS 221 SOURCE FROM 221M XFMR	D5/D6	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 222A	BUS 222 SOURCE FROM 22A XFMR	D5/D6	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222C	480V MCC 2R BUS 2 FEEDER FROM 222	D5/D6	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222E	480V MCC 2L BUS 2 FEEDER FROM 222	D5/D6	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222G	MCC 1T2 (ALTERNATE FEED)	D5/D6	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222J	MCC 2X2	D5/D6	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222K	480V MCC 2M BUS 2 FEEDER FROM 222	D5/D6	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222L	480V MCC 2LA BUS 2 FEEDER FROM 222	D5/D6	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222M	BUS 222 SOURCE FROM 222M XFMR	D5/D6	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BUS 211	BUS 211 480V SWITCHGEAR	D5/D6	735	G.8/15.7 211 BUS ROOM	
U2SSEL	EB	2	BUS 212	BUS 212 480V SWITCHGEAR	D5/D6	735		
U2SSEL	EB	2	BUS 221	BUS 221 480V SWITCHGEAR	D5/D6	735	H.8/15.7 221 BUS ROOM	
U2SSEL	EB	2	BUS 222	BUS 222 480V SWITCHGEAR	D5/D6	735		
U2SSEL	EB	1	MCC 2A1	MOTOR CONTROL CENTER 2A BUS 1	TURB	895	F.5/9.3 12/22 AFW PUMP ROOM	
U2SSEL	EB	1	MCC 2A2	MOTOR CONTROL CENTER 2A BUS 2	TURB	895	F.5/9.3 12/22 AFW PUMP ROOM	
U2SSEL	EB	1	MCC 2AC1	MOTOR CONTROL CENTER 2AC BUS 1	TURB	895	C.5/9.5 21 BATTERY ROOM	
U2SSEL	EB	1	MCC 2AC2	MOTOR CONTROL CENTER 2AC BUS 2	TURB	895	D.5/9.5 22 BATTERY ROOM	
U2SSEL	EB	1	MCC 2K1	MOTOR CONTROL CENTER 2K BUS 1	AUX	895	G.2/12.2 NEAR RHR PIT	
U2SSEL	EB	1	MCC 2K2	MOTOR CONTROL CENTER 2K BUS 2	AUX	895	H.2/11.7 NEAR CHARGING PUMPS	
U2SSEL	EB	1	MCC 2L1	MOTOR CONTROL CENTER 2L BUS 1	AUX	715	J.2/12.8 NEAR PENET CAB 2134	
U2SSEL	EB	1	MCC 2L2	MOTOR CONTROL CENTER 2L BUS 2	AUX	715	J.5/11.7 NEAR 21 VCT ROOM	
U2SSEL	EB	1	MCC 2LA1	MOTOR CONTROL CENTER 2LA BUS 1	AUX	735	J.2/12.8 SOUTH OF STAIRS	
U2SSEL	EB	1	MCC 2LA2	MOTOR CONTROL CENTER 2LA BUS 2	AUX	735	H.7/12.2 EAST OF STAIRS	
U2SSEL	EB	1	MCC 2R1	MOTOR CONTROL CENTER 2R BUS 1 & 2	TURB	735	H.2/14.4 U2 ROD DRIVE RM	
U2SSEL	EB	1	MCC 2S1	MOTOR CONTROL CENTER 2S BUS 1	TURB	735	H.2/14.4 U2 ROD DRIVE RM	
U2SSEL	EB	1	MCC 2TA1	MOTOR CONTROL CENTER 2TA BUS 1	D5/D6	718	H.2/17.0 BUS 25 ROOM	
U2SSEL	EB	1	MCC 2TA2	MOTOR CONTROL CENTER 2TA BUS 2	D5/D6	718	J.5/17.0 BUS 26 ROOM	
U2SSEL	EB	1	MCC 2X1	MOTOR CONTROL CENTER 2X BUS 1	AUX	715	J.8/12.8 NEAR PENET CAB 2134	
U2SSEL	EB	1	MCC 2X2	MOTOR CONTROL CENTER 2X BUS 2	AUX	715	J.5/11.8 NEAR 21 VCT ROOM	

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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
BKR 221M	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 222A	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 222C	ROB/RELAY	CLOSED	CLOSED	Y					X	NF-40022-2	NF-40015
BKR 222E	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 222G	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 222J	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 222K	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 222L	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 222M	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BUS 211	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
BUS 212	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
BUS 221	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
BUS 222	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
MCC 2A1	SEISMIC	INTACT	INTACT	Y					X	NF-40420	NF-40015
MCC 2A2	SEISMIC	INTACT	INTACT	Y					X	NF-40420	NF-40015
MCC 2AC1	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	NF-40015
MCC 2AC2	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	NF-40015
MCC 2K1	SEISMIC	INTACT	INTACT	Y					X	NF-40420	NF-40015
MCC 2K2	SEISMIC	INTACT	INTACT	Y					X	NF-40420	NF-40015
MCC 2L1	SEISMIC	INTACT	INTACT	Y					X	NF-40427	NF-40015
MCC 2L2	SEISMIC	INTACT	INTACT	Y					X	NF-40427	NF-40015
MCC 2LA1	SEISMIC	INTACT	INTACT	Y					X	NF-40427	NF-40015
MCC 2LA2	SEISMIC	INTACT	INTACT	Y					X	NF-40427	NF-40015
MCC 2R1	SEISMIC	INTACT	INTACT	Y					X	NF-40430	NF-40015
MCC 2S1	SEISMIC	INTACT	INTACT	Y					X	NF-40430	NF-40015
MCC 2TA1	SEISMIC	INTACT	INTACT	Y					X	NF-116749	NF-40015
MCC 2TA2	SEISMIC	INTACT	INTACT	Y					X	NF-116751	NF-40015
MCC 2X1	SEISMIC	INTACT	INTACT	Y					X	NF-40432	NF-40015
MCC 2X2	SEISMIC	INTACT	INTACT	Y					X	NF-40432	NF-40015

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	ED	20	TB 2209	RELAY ROOM AUX RELAY CABINET	AUX	715	H/10	
U2SSEL	ED	0	TB 2222	RELAY ROOM TERMINAL BOX	AUX	715	H/10	
U2SSEL	ED	0	TB 2229	RELAY ROOM TERMINAL BOX	AUX	715	J/10	
U2SSEL	ED	20	TB 2480	TB FOR 21 CHARGING PUMP	CNTMT	895	H/11	
U2SSEL	ED	20	TB 2481	TB FOR 22 CHARGING PUMP	CNTMT	895	H/11	
U2SSEL	EM	20	2ICCM-PDA	ICCM U2 TRN A PLASMA DISPLAY	TURB	735	G.2/10.0 CONTROL ROOM	
U2SSEL	EM	20	2ICCM-PDB	ICCM U2 TRN B PLASMA DISPLAY	TURB	735	G.2/10.0 CONTROL ROOM	
U2SSEL	EM	18	2LE-751	21 RX VSL HEAD TRN A HIGH VOL SENSOR	CNTMT	738	ON NORTH POOL WALL 44/334	
U2SSEL	EM	18	2LE-753	21 RX VSL SEAL TABLE TRN A HIGH VOL SENSOR	CNTMT	728	ON N POLL SIDE WALL 40/347	
U2SSEL	EM	18	2LE-761	22 RX VSL HEAD TRN B HIGH VOL SENSOR	CNTMT	738	ON N POOL WALL 44/334	
U2SSEL	EM	18	2LE-763	22 RX VSL SEAL TABLE TRN B HIGH VOL SENSOR	CNTMT	728	ON N POOL WALL 40/347	
U2SSEL	EM	20	2LI-820	21 RWST LVL IND	AUX	735	CONTROL PANEL B-2	B-2
U2SSEL	EM	20	2LI-821	21 RWST LVL INDICATOR	AUX	735	CONTROL PANEL B-2	B-2
U2SSEL	EM	20	2LM-487A	STM GEN LEVEL WR I/E ISOLATOR	AUX	735	RACK EM-A2	EM-A2
U2SSEL	EM	20	2LM-487B	STM GEN LEVEL WR E/E ISOLATOR	AUX	735	RACK EM-A2	EM-A2
U2SSEL	EM	20	2LM-488A	STM GEN LEVEL WR I/E ISOLATOR	AUX	735	RACK EM-B2	EM-B2
U2SSEL	EM	20	2LM-488B	STM GEN LEVEL WR E/E ISOLATOR	AUX	735	RACK EM-B2	EM-B2
U2SSEL	EM	20	2LM-750	ICCM U2 TRN A MICROPROCESSOR 2LM-750	TURB	735	G.2/10.0 CONTROL ROOM	
U2SSEL	EM	20	2LM-760	ICCM U2 TRN B MICROPROCESSOR 2LM-760	TURB	735	G.2/10.0 CONTROL ROOM	
U2SSEL	EM	20	2LM-820A	21 RWST LVL I/E CNVTR	AUX	735	RACK EM-A2	EM-A2
U2SSEL	EM	20	2LM-821A	21 RWST LVL I/E CNVTR	AUX	735	RACK EM-B2	EM-B2
U2SSEL	EM	20	2LR-480	21 STM GEN LVL WIDE RANGE RCDR (3 PEN)	AUX	735	CONTROL PANEL D-2	D-2
U2SSEL	EM	20	2LR-470	22 STM GEN LVL WIDE RANGE RCDR (3 PEN)	AUX	735	CONTROL PANEL D-2	D-2
U2SSEL	EM	18	2LT-487	21 STM GEN LOOP A WR LVL XMTR	CNTMT	718	ON SHLD WALL 14/240	
U2SSEL	EM	18	2LT-488	22 STM GEN LOOP B WR LVL XMTR	CNTMT	718	ON SHLD WALL 10/60	
U2SSEL	EM	18	2LT-751	21 RX VSL HEAD UPPER RNG TRN A D/P XMTR	AUX	735	ON INST RACK J.5/13.4	
U2SSEL	EM	18	2LT-753	21 RX VSL HEAD DYNAMIC RNG TRN A D/P XMTR	AUX	735	ON INSTR RACK J.5/13.4	
U2SSEL	EM	18	2LT-761	22 RX VSL HEAD UPPER RNG TRN B D/P XMTR	AUX	735	ON INSTR RACK J.5/13.8	
U2SSEL	EM	18	2LT-763	22 RX VSL HEAD DYNAMIC RNG TRN B D/P XMTR	AUX	735	ON INSTR RACK J.5/13.8	



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SSEL COMPONENT ID	SGUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
TB 2209	SEISMIC	INTACT	INTACT	N					X		
TB 2222	SEISMIC	INTACT	INTACT	N					X		
TB 2229	SEISMIC	INTACT	INTACT	N					X		
TB 2480	SEISMIC	INTACT	INTACT	N					X		
TB 2481	SEISMIC	INTACT	INTACT	N					X		
2ICCM-PDA	SEISMIC	INTACT	INTACT	N					X		
2ICCM-PDB	SEISMIC	INTACT	INTACT	N					X		
2LE-751	SEISMIC	INDICATING	INDICATING	N		X				XH-1001-3	
2LE-753	SEISMIC	INDICATING	INDICATING	N		X				XH-1001-3	
2LE-761	SEISMIC	INDICATING	INDICATING	N		X				XH-1001-3	
2LE-763	SEISMIC	INDICATING	INDICATING	N		X				XH-1001-3	
2LI-920	ROB	INDICATING	INDICATING	Y	X	X				XH-1001-7	NF-40783
2LI-921	ROB	INDICATING	INDICATING	Y	X	X				XH-1001-7	NF-40783
2LM-487A	ROB	INDICATING	INDICATING	Y				X		NF-39219	
2LM-487B	ROB	INDICATING	INDICATING	Y				X		NF-39219	
2LM-488A	ROB	INDICATING	INDICATING	Y				X		NF-39219	
2LM-488B	ROB	INDICATING	INDICATING	Y				X		NF-39219	
2LM-750	SEISMIC	INTACT	INTACT	N					X	XH-1001-3	
2LM-760	SEISMIC	INTACT	INTACT	N					X	XH-1001-3	
2LM-920A	ROB	INDICATING	INDICATING	Y	X	X				XH-1001-7	NF-40783
2LM-921A	ROB	INDICATING	INDICATING	Y	X	X				XH-1001-7	NF-40783
2LR-460	ROB	INDICATING	INDICATING	Y				X		NF-39219	
2LR-470	ROB	INDICATING	INDICATING	Y				X		NF-39219	
2LT-487	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39219	
2LT-488	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39219	
2LT-751	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2LT-753	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2LT-761	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2LT-763	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	

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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SOUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	EM	18	ZLT-920	21 RWST LVL XMTR	AUX	700	ON W SIDE WALL J.3/13.8	
U2SSEL	EM	18	ZLT-921	21 RWST LVL XMTR	AUX	700	ON W SIDE WALL J.3/13.8	
U2SSEL	EM	19	ZTE-450A	2 RC LOOP A HOT LEG RTD	CNTMT	723	IN 28" LINE 31/223	
U2SSEL	EM	19	ZTE-451A	2 RC LOOP B HOT LEG RTD	CNTMT	723	IN 28" LINE 28/76	
U2SSEL	EM	20	ZTM-450AA	RCS TEMPERATURE TH EE ISOLATOR	AUX	735	RACK EM-A2	EM-A2
U2SSEL	EM	20	ZTM-451AA	RCS TEMPERATURE TH EE ISOLATOR	AUX	735	RACK EM-B2	EM-B2
U2SSEL	EM	20	ZTR-450	2 REAC CLINT LP A HOT & COLD LEG TEMP RC DR (2 PEN	AUX	735	CONTROL PANEL C-2	C-2
U2SSEL	EM	20	ZTR-451	2 REAC CLINT LP B HOT & COLD LEG TEMP RC DR (2 PEN	AUX	735	CONTROL PANEL C-2	C-2
U2SSEL	EM	20	ZTT-450A	RCS TEMPERATURE TH RE CONVERTER	AUX	735	RACK EM-A2	EM-A2
U2SSEL	EM	20	ZTT-451A	RCS TEMPERATURE TH RE CONVERTER	AUX	735	RACK EM-B2	EM-B2
U2SSEL	EM	20	EM-A2	EVENT MONITORING RACK EM-A2	AUX	735	120 BUS RM	
U2SSEL	EM	20	EM-B2	EVENT MONITORING RACK EM-B2	AUX	735	220 BUS RM	
U2SSEL	EM	20	PNL 2EMA	DISTRIBUTION PANEL 2EMA	TURB	735	H.0/6.0 TRN A EVENT MON ROOM	
U2SSEL	EM	20	PNL 2EMB	DISTRIBUTION PANEL 2EMB	TURB	735	H.3/12.8 TRN B EVENT MON ROOM	
U2SSEL	EX	14	PNL 234	AC DISTRIBUTION PANEL 234	AUX	695	G.1/11.9 NEAR CHG PUMPS	
U2SSEL	EX	14	PHS-235	AC DISTRIBUTION PANEL 235	AUX	695	H.5/11.7 NEAR CHG PUMPS	
U2SSEL	FO	5	245-861	21 D5 FO STG TK XFER PUMP	D5/D6	687	H.2/17.8	
U2SSEL	FO	5	245-862	22 D6 FO STG TK XFER PUMP	D5/D6	687	H.4/17.8	
U2SSEL	FO	5	245-883	23 D5 FO STG TK XFER PUMP	D5/D6	687	H.1/17.8	
U2SSEL	FO	5	245-884	24 D6 FO STG TK XFER PUMP	D5/D6	687	H.5/17.8	
U2SSEL	FO	21	253-331	21 D5 FO STORAGE TANK	D5/D6	675	H.0/19.2 IN VAULT	
U2SSEL	FO	21	253-332	22 D6 FO STORAGE TANK	D5/D6	675	J.6/18.2 IN VAULT	
U2SSEL	FO	21	253-333	23 D5 FO STORAGE TANK	D5/D6	675	H.0/18.0 IN VAULT	
U2SSEL	FO	21	253-334	24 D6 FO STORAGE TANK	D5/D6	675	J.6/18.0 IN VAULT	
U2SSEL	FO	21	253-361	21 D5 FO DAY TANK	D5/D6	718	G.2/17.4	
U2SSEL	FO	21	253-362	22 D6 FO DAY TANK	D5/D6	718	J.4/17.4	
U2SSEL	IP	18	21 INV	21 INVERTER	TURB	695	21 BATT RM	
U2SSEL	IP	16	22 INV	22 INVERTER	TURB	695	22 BATT RM	
U2SSEL	IP	16	23 INV	23 INVERTER	TURB	695	21 BATT RM	

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SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DN	SS	FLOW DIAG	LOGIC DIAG
2LT-020	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X				XH-1001-7	NF-40783
2LT-021	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X				XH-1001-7	NF-40783
2TE-450A	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		XH-1001-3	
2TE-451A	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		XH-1001-3	
2TM-450AA	ROB	INDICATING	INDICATING	Y				X		XH-1001-3	
2TM-451AA	ROB	INDICATING	INDICATING	Y				X		XH-1001-3	
2TR-450	ROB	INDICATING	INDICATING	Y				X		XH-1001-3	
2TR-451	ROB	INDICATING	INDICATING	Y				X		XH-1001-3	
2TT-450A	ROB	INDICATING	INDICATING	Y				X		XH-1001-3	
2TT-451A	ROB	INDICATING	INDICATING	Y				X		XH-1001-3	
EM-A2	SEISMIC	INTACT	INTACT	N					X		
EM-B2	SEISMIC	INTACT	INTACT	N					X		
PNL 2EMA	SEISMIC	INTACT	INTACT	Y					X	NF-04831-4	
PNL 2EMB	SEISMIC	INTACT	INTACT	Y					X	NF-04831-5	
PNL 234	SEISMIC	INTACT	INTACT	Y					X	NF-40417-2	
PNL 235	SEISMIC	INTACT	INTACT	Y					X	NF-40417-2	
245-001	IEEE 344	STANDBY	STANDBY ON	Y					X	NF-118252	NF-118045
245-002	IEEE 344	STANDBY	STANDBY ON	Y					X	NF-118252	NF-118045
245-003	IEEE 344	STANDBY	STANDBY	Y					X	NF-118252	NF-118045
245-004	IEEE 344	STANDBY	STANDBY ON	Y					X	NF-118252	NF-118045
253-331	IEEE 344	INTACT	INTACT	N					X	NF-118252	
253-332	IEEE 344	INTACT	INTACT	N					X	NF-118252	
253-333	IEEE 344	INTACT	INTACT	N					X	NF-118252	
253-334	IEEE 344	INTACT	INTACT	N					X	NF-118252	
253-301	IEEE 344	INTACT	INTACT	N					X	NF-118240	
253-302	IEEE 344	INTACT	INTACT	N					X	NF-118240	
21 INV	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
22 INV	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	
23 INV	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	IP	16	27 INV	27 INVERTER	TURB	695	21 BATT RM	
U2SSEL	IP	16	28 INV	28 INVERTER	TURB	695	22 BATT RM	
U2SSEL	IP	14	PNL 211	INSTRUMENT BUS II PANEL (WHI) 211	TURB	715	G.1/0.7	
U2SSEL	IP	14	PNL 212	INSTRUMENT BUS I PANEL (RED) 212	TURB	715	G.4/0.2	
U2SSEL	IP	14	PNL 213	INSTRUMENT BUS III PANEL (BLU) 213	TURB	715	G.1/10.0	
U2SSEL	MP	20	24MR	24 MISCELLANEOUS RELAY RACK	AUX	735		
U2SSEL	MS	7	CV-31060	22 TD AFW PUMP TRIP THROTTLE CV	TURB	697		
U2SSEL	MS	7	CV-31102	21 STM GEN POWER OPERATED RELIEF CV	AUX	735		
U2SSEL	MS	7	CV-31107	22 STM GEN POWER OPERATED RELIEF CV	AUX	759		
U2SSEL	MS	7	CV-31118	21 LOOP A MN STM HDR ISOL CV	AUX	726		
U2SSEL	MS	7	CV-31117	22 LOOP A MN STM HDR ISOL CV	AUX	739		
U2SSEL	MS	8	MV-32019	21 S/G STEAM SUPPLY TO 22 TD AFW PUMP MV	AUX	739	IN 3" LINE N.7/11.7	
U2SSEL	MS	8	MV-32020	22 S/G STEAM SUPPLY TO 22 TD AFW PUMP MV	AUX	739	IN 3" LINE J.1/12.3	
U2SSEL	MS	8	MV-32048	21 MSIV BYPASS MV	AUX	726	ON VLV N.5/11.6	
U2SSEL	MS	8	MV-32050	22 MSIV BYPASS MV	AUX	741	ON VLV J.2/12.2	
U2SSEL	MS	7	RS-21-11	SAFETY VALVE HEADER STM GENERATOR 21	AUX	742		
U2SSEL	MS	7	RS-21-12	SAFETY VALVE HEADER STM GENERATOR 21	AUX	742		
U2SSEL	MS	7	RS-21-13	SAFETY VALVE HEADER STM GENERATOR 21	AUX	742		
U2SSEL	MS	7	RS-21-14	SAFETY VALVE HEADER STM GENERATOR 21	AUX	742		
U2SSEL	MS	7	RS-21-15	SAFETY VALVE HEADER STM GENERATOR 21	AUX	742		
U2SSEL	MS	7	RS-21-16	SAFETY VALVE HEADER STM GENERATOR 22	AUX	762		
U2SSEL	MS	7	RS-21-17	SAFETY VALVE HEADER STM GENERATOR 22	AUX	762		
U2SSEL	MS	7	RS-21-18	SAFETY VALVE HEADER STM GENERATOR 22	AUX	762		
U2SSEL	MS	7	RS-21-19	SAFETY VALVE HEADER STM GENERATOR 22	AUX	762		
U2SSEL	MS	7	RS-21-20	SAFETY VALVE HEADER STM GENERATOR 22	AUX	762		
U2SSEL	MS	8	SV-33258	21 LOOP A MN STM HDR SV A	AUX	726	ON CV-31118 N.5/11.8	CV-31118
U2SSEL	MS	8	SV-33259	21 LOOP A MN STM HDR SV B	AUX	726	ON CV-31118 N.5/11.8	CV-31118
U2SSEL	MS	8	SV-33280	21 LOOP A MN STM HDR AIR EXHT SV A	AUX	726	ON CV-31118 N.5/11.8	CV-31118
U2SSEL	MS	8	SV-33281	21 LOOP A MN STM HDR AIR EXHT SV B	AUX	726	ON CV-31118 N.5/11.8	CV-31118

Northern States Power Company  
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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
27 INV	SEISMIC	INTACT	INTACT	Y					X	NF-94831-4	
28 INV	SEISMIC	INTACT	INTACT	Y					X	NF-94831-5	
PNL 211	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
PNL 212	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	
PNL 213	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
24MR	SEISMIC	INTACT	INTACT	N					X		
CV-31060	SEISMIC	OPEN	OPERABLE	N				X		NF-39219	NF-40774
CV-31102	SEISMIC/RELAY	CLOSED	OPEN (FC)	N				X		NF-39219	NF-40774
CV-31107	SEISMIC/RELAY	CLOSED	OPEN (FC)	N				X		NF-39219	NF-40774
CV-31116	SEISMIC/RELAY	OPEN	CLOSED (FC AIR)	Y				X		NF-39219	NF-40774
CV-31117	SEISMIC/RELAY	OPEN	CLOSED (FC AIR)	Y				X		NF-39219	NF-40774
MV-32019	RELAY	OPEN	OPEN	N				X		NF-39219	NF-40774
MV-32020	RELAY	OPEN	OPEN	N				X		NF-39219	NF-40774
MV-32048	RELAY	CLOSED	CLOSED	N				X		NF-39219	NF-40774
MV-32050	RELAY	CLOSED	CLOSED	N				X		NF-39219	NF-40774
RS-21-11	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-12	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-13	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-14	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-15	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-16	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-17	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-18	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-19	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-20	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
SV-33258	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-39219	NF-40774
SV-33259	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-39219	NF-40774
SV-33260	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-39219	NF-40774
SV-33281	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-39219	NF-40774

Northern States Power Company  
 Prairie Island Nuclear Generating Plant  
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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	MS	8	SV-33263	22 LOOP B MN STM HDR SV A	AUX	755	ON CV-31117 J.2/12.2	CV-31117
U2SSEL	MS	8	SV-33264	22 LOOP B MN STM HDR SV B	AUX	755	ON CV-31117 J.2/12.2	CV-31117
U2SSEL	MS	8	SV-33265	22 LOOP B MN STM HDR AIR EXHT SV A	AUX	755	ON CV-31117 J.2/12.2	CV-31117
U2SSEL	MS	8	SV-33266	22 LOOP B MN STM HDR AIR EXHT SV B	AUX	755	ON CV-31117 J.2/12.2	CV-31117
U2SSEL	MS	8	SV-33300	22 TD AFW PMP STM BLOCK SV	TURB	697	ON CV-31990 F.9/10.1	CV-31990
U2SSEL	NI	0	2NE-51	EXCORE DETECTION TRN A DETECTOR ASSY	CNTMT	712		
U2SSEL	NI	0	2NE-52	EXCORE DETECTION TRN B DETECTOR ASSY	CNTMT	721		
U2SSEL	NI	20	2NI-51A	EXCORE DETECTION TRN A SHUTDOWN MONITOR	AUX	735	IN RACK 2NR3 G.4/9.5	2NR3
U2SSEL	NI	20	2NI-52A	EXCORE DETECTION TRN B SHUTDOWN MONITOR	AUX	735	IN RACK 2NR4 G.4/9.5	2NR4
U2SSEL	NI	18	2NM-51	EXCORE DETECTION TRN A AMPLIFIER	AUX	739		
U2SSEL	NI	18	2NM-52	EXCORE DETECTION TRN B AMPLIFIER	AUX	739		
U2SSEL	NI	20	2NR3	NUCLEAR INSTRUMENTATION RACK 2NR3	AUX	735	CONTROL ROOM	
U2SSEL	NI	20	2NR4	NUCLEAR INSTRUMENTATION RACK 2NR4	AUX	735	CONTROL ROOM	
U2SSEL	NI	20	2NU-51A	EXCORE DETECTION TRN A RACK MTD SIGNAL PROCESSOR	AUX	735	IN RACK 2NR3 G.3/9.8	2NR3
U2SSEL	NI	20	2NU-52A	EXCORE DETECTION TRN B RACK MTD SIGNAL PROCESSOR	AUX	735	IN RACK 2NR4 G.3/9.8	2NR4
U2SSEL	RC	21	253-011	21 PRESSURIZER RELIEF TANK	CNTMT	695	20/205	
U2SSEL	RC	4	2PZRHTRA/CT A	2 PRZR HTR GRP A CURRENT XFMR A	AUX	735	H.2/14.1	2PZRHTRA/XFM
U2SSEL	RC	4	2PZRHTRA/CT C	2 PRZR HTR GRP A CURRENT XFMR C	AUX	735	H.2/14.1	2PZRHTRA/XFM
U2SSEL	RC	4	2PZRHTRA/PT A	2 PRZR HTR GRP A POTENTIAL XFMR A	AUX	735	G.0/13.8	2PZRHTRA/XFM
U2SSEL	RC	4	2PZRHTRA/PT C	2 PRZR HTR GRP A POTENTIAL XFMR C	AUX	735	G.0/13.8	2PZRHTRA/XFM
U2SSEL	RC	4	2PZRHTRB/CT A	2 PRZR HTR GRP B CURRENT XFMR A	AUX	735	H.2/14.1	2PZRHTRB/XFM
U2SSEL	RC	4	2PZRHTRB/CT C	2 PRZR HTR GRP B CURRENT XFMR C	AUX	735	H.2/14.1	2PZRHTRB/XFM
U2SSEL	RC	4	2PZRHTRB/PT A	2 PRZR HTR GRP B POTENTIAL XFMR A	AUX	735	G.0/13.8	2PZRHTRB/XFM
U2SSEL	RC	4	2PZRHTRB/PT C	2 PRZR HTR GRP B POTENTIAL XFMR C	AUX	735	G.0/13.8	2PZRHTRB/XFM
U2SSEL	RC	7	2RC-10-1	PRESSURIZER RELIEF VALVE	CNTMT	738		
U2SSEL	RC	7	2RC-10-2	PRESSURIZER RELIEF VALVE	CNTMT	738		
U2SSEL	RC	20	2RCS1	PROCESS CONTROL RACK 2RCS1	AUX	735	CONTROL ROOM	
U2SSEL	RC	20	2RCS2	PROCESS CONTROL RACK 2RCS2	AUX	735	CONTROL ROOM	
U2SSEL	RC	7	CV-31233	2 PRZR PORV B CV	CNTMT	764	IN 3" LINE 28/1	

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SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
SV-33283	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-38218	NF-40774
SV-33284	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-38218	NF-40774
SV-33285	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-38219	NF-40774
SV-33288	ROB	DE-ENERGIZED	ENERGIZED	Y				X		NF-38218	NF-40774
SV-33300	ROB	ENERGIZED	DE-ENERGIZED	N				X		NF-38218	NF-40774
2NE-51	SEISMIC/RELAY	INDICATING	INDICATING	Y	X					NF-40818-5	
2NE-52	SEISMIC/RELAY	INDICATING	INDICATING	Y	X					NF-40818-5	
2NI-51A	ROB	INDICATING	INDICATING	Y	X					NF-40288-5	
2NI-52A	ROB	INDICATING	INDICATING	Y	X					NF-40818-5	
2NM-51	SEISMIC	INDICATING	INDICATING	Y	X					NF-40818-5	
2NM-52	SEISMIC	INDICATING	INDICATING	Y	X					NF-40818-5	
2NR3	SEISMIC	INTACT	INTACT	N						NF-40818-5	
2NR4	SEISMIC	INTACT	INTACT	N					X		
2NU-51A	ROB	INDICATING	INDICATING	Y	X					NF-40818-5	
2NU-52A	ROB	INDICATING	INDICATING	Y	X					NF-40818-5	
253-011	SEISMIC	INTACT	INTACT	N		X	X			XH-1001-3	
2PZRHTRAJCT A	ROB	INTACT	INTACT	Y			X			NF-40022-2	NF-40780
2PZRHTRAJCT C	ROB	INTACT	INTACT	Y			X			NF-40022-2	NF-40780
2PZRHTRA/PT A	ROB	INTACT	INTACT	Y			X			NF-40022-2	NF-40780
2PZRHTRA/PT C	ROB	INTACT	INTACT	Y			X			NF-40022-2	NF-40780
2PZRHTRB/CT A	ROB	INTACT	INTACT	Y			X			NF-40022-2	NF-40780
2PZRHTRB/CT C	ROB	INTACT	INTACT	Y			X			NF-40022-2	NF-40780
2PZRHTRB/PT A	ROB	INTACT	INTACT	Y			X			NF-40022-2	NF-40780
2PZRHTRB/PT C	ROB	INTACT	INTACT	Y			X			NF-40022-2	NF-40780
2RC-10-1	SEISMIC	CLOSED	CLOSED	N			X			XH-1001-3	
2RC-10-2	SEISMIC	CLOSED	CLOSED	N			X			XH-1001-3	
2RCS1	SEISMIC	INTACT	INTACT	N					X		
2RCS2	SEISMIC	INTACT	INTACT	N					X		
CV-31233	RELAY	CLOSED	CLOSED	N		X	X			XH-1001-3	NF-40780

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Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SOUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	RC	7	CV-31234	2 PRZR PORV A CV	CNTMT	784	IN 3" LINE 25/358	
U2SSEL	RE	20	2LR-429	2 REAC CLNT LOOP PRZR LVL RCDR (2 PEN)	AUX	735	CONTROL PANEL C-2	C-2
U2SSEL	RE	20	2PLP	PROCESS CONTROL RACK 2PLP	AUX	735	CONTROL ROOM	
U2SSEL	RE	20	2PR-429	2 REAC PRZR PRESS RCDR	AUX	735	CONTROL PANEL C-2	C-2
U2SSEL	RP	2	2-52IRTA	REACTOR TRIP BREAKER	AUX	735	U2 ROD DRIVE RM	
U2SSEL	RP	2	2-52IRTB	REACTOR TRIP BREAKER	AUX	735	U2 ROD DRIVE RM	
U2SSEL	RP	20	2AMR1	MISCELLANEOUS RELAY RACK 2AMR1	AUX	735		
U2SSEL	RP	20	2ASG1	SAFEGUARD RELAY RACK 2ASG1	AUX	735		
U2SSEL	RP	20	2ASG2	SAFEGUARD RELAY RACK 2ASG2	AUX	735		
U2SSEL	RP	20	2B1	PROCESS PROTECTION RACK 2B1	AUX	735	CONTROL ROOM	
U2SSEL	RP	20	2B2	PROCESS PROTECTION RACK 2B2	AUX	735	CONTROL ROOM	
U2SSEL	RP	20	2BSG1	SAFEGUARD RELAY RACK 2BSG1	AUX	715		
U2SSEL	RP	20	2BSG2	SAFEGUARD RELAY RACK 2BSG2	AUX	715		
U2SSEL	RP	20	2LI-428	2 REAC CLNT LOOP PRZR LVL (CHNNL I-RED) LI	AUX	735	CONTROL PANEL C-2	C-2
U2SSEL	RP	20	2LI-428	2 REAC CLNT LOOP PRZR LVL (CHNNL III-BLU) LI	AUX	735	CONTROL PANEL C-2	C-2
U2SSEL	RP	20	2LM-428A	PRESSURIZED LVL TO CONTROL SYS ISOL III REPEATER	AUX	735	RACK 2R1	2R1
U2SSEL	RP	20	2LM-428A	PRESSURIZER LV TO CONTROL SYS ISOL REPEATER	AUX	735	RACK 2B1	2B1
U2SSEL	RP	20	2LO-428	PRESSURIZER LVL TRANS PWR SPLY	AUX	735	RACK 2R1	2R1
U2SSEL	RP	20	2LO-428	PRESSURIZER LVL TRANS PWR SPLY	AUX	735	RACK 2B1	2B1
U2SSEL	RP	18	2LT-428	2 REAC CLNT LOOP PRZR (CHNNL I-RED) LVL XMTR	CNTMT	720	ON N SIDE WALL 18/351	
U2SSEL	RP	18	2LT-428	2 REAC CLNT LOOP PRZR (CHNNL III-BLU) LVL XMTR	CNTMT	720	ON W SIDE WALL 33/334	
U2SSEL	RP	20	2PI-428	2 REAC CLNT LOOP PRZR PRESS (CHNNL I-RED) PI	AUX	735	CONTROL PANEL C-2	C-2
U2SSEL	RP	20	2PI-431	2 REAC CLNT LOOP PRZR PRESS (CHNNL III-BLU) PI	AUX	735	CONTROL PANEL C-2	C-2
U2SSEL	RP	20	2PI-488	21 STM GEN PI	AUX	735	CONTROL PANEL D-2	D-2
U2SSEL	RP	20	2PI-478	22 STM GEN PI	AUX	735	CONTROL PANEL D-2	D-2
U2SSEL	RP	20	2PM-428A	PRZR PRESS TO CONTROL ISOL III REPEATER	AUX	735	RACK 2R1	2R1
U2SSEL	RP	20	2PM-431A	PRZR PRESS TO CONTROL ISOL REPEATER	AUX	735	RACK 2B1	2B1
U2SSEL	RP	20	2PM-488B	STM PRESS TO COMPUTER & INDCTR ISOL III REPEATER	AUX	735	RACK 2R2	2R2
U2SSEL	RP	20	2PM-478B	STM PRESS TO COMPUTER & INDICATOR ISOL REPEATER	AUX	735	RACK 2B2	2B2



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SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
CV-31234	RELAY	CLOSED	CLOSED	N		X	X			XH-1001-3	NF-40790
2LR-42B	ROB	INDICATING	INDICATING	Y		X				XH-1001-3	
2PLP	SEISMIC	INTACT	INTACT	N					X		
2PR-42B	ROB	INDICATING	INDICATING	Y			X			XH-1001-3	
2-52/RTA	SEISMIC/RELAY	CLOSED	OPEN (FO)	N	X					NF-40820-8	
2-52/RTA	SEISMIC/RELAY	CLOSED	OPEN (FO)	N	X					NF-40820-8	
2AMR1	SEISMIC	INTACT	INTACT	N					X		
2ASG1	SEISMIC	INTACT	INTACT	N					X		
2ASG2	SEISMIC	INTACT	INTACT	N					X		
2B1	SEISMIC	INTACT	INTACT	N					X		
2B2	SEISMIC	INTACT	INTACT	N					X		
2BSG1	SEISMIC	INTACT	INTACT	N					X		
2BSG2	SEISMIC	INTACT	INTACT	N					X		
2LI-42B	ROB	INDICATING	INDICATING	Y		X				XH-1001-3	
2LI-42B	ROB	INDICATING	INDICATING	Y		X				XH-1001-3	
2LM-428A	ROB	INDICATING	INDICATING	Y		X				XH-1001-3	
2LM-428A	ROB	INDICATING	INDICATING	Y		X				XH-1001-3	
2LQ-42B	ROB	ON	ON	Y		X				XH-1001-3	
2LQ-42B	ROB	ON	ON	Y		X				XH-1001-3	
2LT-42B	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2LT-42B	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2PI-42	ROB	INDICATING	INDICATING	Y			X			XH-1001-3	
2PI-431	ROB	INDICATING	INDICATING	Y			X			XH-1001-3	
2PI-46B	ROB	INDICATING	INDICATING	Y				X		NF-39219	
2PI-47B	ROB	INDICATING	INDICATING	Y				X		NF-39219	
2PM-428A	ROB	INDICATING	INDICATING	Y			X			XH-1001-3	
2PM-431A	ROB	INDICATING	INDICATING	Y			X			XH-1001-3	
2PM-468B	ROB	INDICATING	INDICATING	Y				X		NF-39219	
2PM-478B	ROB	INDICATING	INDICATING	Y				X		NF-39219	

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 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	RP	20	2PQ-420	2 REAC CLNT LOOP PRZR (CHNNL I-RED) P PWR SPLY	AUX	735	RACK 2R1	2R1
U2SSEL	RP	20	2PQ-431	2 REAC CLNT LOOP PRZR (CHNNL III-BLU) P PWR SPLY	AUX	735	RACK 2B1	2B1
U2SSEL	RP	20	2PQ-400	STM GEN PRESS XMTR PWR SPLY	AUX	735	RACK 2R2	2R2
U2SSEL	RP	20	2PQ-470	STM GEN PRESS XMTR PWR SPLY	AUX	735	RACK 2B2	2B2
U2SSEL	RP	20	2PR-400	21 STM GEN LOOP A STM PRESS RCDR (3 PEN)	AUX	735	CONTROL PANEL D-2	D-2
U2SSEL	RP	20	2PR-470	22 STM GEN LOOP B STM PRESS RCDR (3 PEN)	AUX	735	CONTROL PANEL D-2	D-2
U2SSEL	RP	18	2PT-420	2 REAC CLNT LOOP PRZR (CHNNL I-RED) P XMTR	CNTMT	720	ON N SIDE WALL 10/351	
U2SSEL	RP	18	2PT-431	2 REAC CLNT LOOP PRZR (CHNNL III-BLU) P XMTR	CNTMT	720	ON W SIDE WALL 33/334	
U2SSEL	RP	18	2PT-400	21 STM GEN MN STM HDR (CHNNL I-RED) P XMTR	AUX	735	CONTROL PANEL D-2	
U2SSEL	RP	18	2PT-470	22 STM GEN MN STM HDR (CHNNL III-BLU) P XMTR	AUX	735	CONTROL PANEL D-2	
U2SSEL	RP	20	2R1	PROCESS PROTECTION RACK 2R1	AUX	735	CONTROL ROOM	
U2SSEL	RP	20	2R2	PROCESS PROTECTION RACK 2R2	AUX	735	CONTROL ROOM	
U2SSEL	RV	0	SV-37001	RCS VENT SYS PRZR VENT SV	CNTMT	760	IN 1" LINE 20/330	
U2SSEL	RV	0	SV-37002	RCS VENT SYS PRZR VENT SV	CNTMT	760	IN 1" LINE 20/330	
U2SSEL	RV	0	SV-37003	RCS VENT SYS REACTOR HEAD VENT SV	CNTMT	760		
U2SSEL	RV	0	SV-37004	RCS VENT SYS REACTOR HEAD VENT SV	CNTMT	760		
U2SSEL	RV	0	SV-37005	RCS VENT SYS TO PRT SV	CNTMT	760		
U2SSEL	RV	0	SV-37006	RCS VENT SYS TO CNTMT ATMOS SV	CNTMT	760		
U2SSEL	SB	7	CV-31610	21 SGB TO 21 SGB FLASH TANK FLOW CV	AUX	724	IN 2" LINE L.7/10.8	
U2SSEL	SB	7	CV-31611	22 SGB TO 21 SGB FLASH TANK FLOW CV	AUX	724	IN 2" LINE L.8/10.7	
U2SSEL	SF	21	253-001	21 REFUELING WATER STORAGE TANK	AUX	715	J.0/14.5	
U2SSEL	SM	7	CV-31630	21 SGB SMPL ISOL CV A	CNTMT	730	IN 3/8" LINE 2/07	
U2SSEL	SM	7	CV-31640	22 SGB SMPL ISOL CV A	CNTMT	730	IN 3/8" LINE 2/09	
U2SSEL	SM	0	MV-32400	21 PRZR STEAM SAMPLE ISOL (INSIDE) MV	CNTMT	760	IN 3/8" LINE 20/0	
U2SSEL	SM	0	MV-32400	21 PRZR LIQUID SAMPLE MV	CNTMT	745	IN 3/8" LINE 25/330	
U2SSEL	SM	0	MV-32410	21 RC LOOP HOT LEG SAMPLE MV	CNTMT	715	IN 3/8" LINE 27/03	
U2SSEL	VC	21	235-111	21 REGENERATIVE HEAT EXCHANGER	AUX	095		
U2SSEL	VC	21	235-131	21 SEAL WATER HEAT EXCHANGER	AUX	715	K.5/10.0	
U2SSEL	VC	5	245-041	21 CHARGING PUMP	AUX	095	H.5/10.4	

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SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
2PQ-429	ROB	ON	ON	Y			X			XH-1001-3	
2PQ-431	ROB	ON	ON	Y			X			XH-1001-3	
2PQ-468	ROB	ON	ON	Y				X		NF-38218	
2PQ-478	ROB	ON	ON	Y				X		NF-38218	
2PR-468	ROB	INDICATING	INDICATING	Y				X		NF-38218	
2PR-478	ROB	INDICATING	INDICATING	Y				X		NF-38218	
2PT-429	SEISMIC/RELAY	INDICATING	INDICATING	Y			X			XH-1001-3	
2PT-431	SEISMIC/RELAY	INDICATING	INDICATING	Y			X			XH-1001-3	
2PT-468	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-38218	
2PT-478	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-38218	
2R1	SEISMIC	INTACT	INTACT	N					X		
2R2	SEISMIC	INTACT	INTACT	N					X		
SV-37091	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37092	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37093	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37094	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37095	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37096	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
CV-31810	RELAY	CLOSED	CLOSED	N				X		NF-38250	NF-40775
CV-31811	RELAY	CLOSED	CLOSED	N				X		NF-38250	NF-40775
253-081	SEISMIC	INTACT	INTACT	N	X	X				XH-1001-7	
CV-31839	RELAY	CLOSED	CLOSED	N				X		NF-38238	NF-40332
CV-31840	RELAY	CLOSED	CLOSED	N				X		NF-38238	NF-40332
MV-32408	RELAY	CLOSED	CLOSED	N		X	X			NF-38238	NF-40332
MV-32408	RELAY	CLOSED	CLOSED	N		X	X			NF-38238	NF-40332
MV-32410	RELAY	CLOSED	CLOSED	N		X	X			NF-38238	NF-40332
235-111	SEISMIC	INTACT	INTACT	N	X	X	X			XH-1001-4	
235-131	SEISMIC	INTACT	INTACT	N	X	X	X			XH-1001-5	
245-041	SEISMIC/RELAY	ON	ON	Y	X	X	X			XH-1001-5	NF-40784

Northern States Power Company  
 Prairie Island Nuclear Generating Plant  
 Unresolved Safety Issue A-46  
 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	VC	5	245-042	22 CHARGING PUMP	AUX	895	H.5/11.0	
U2SSEL	VC	21	253-021	21 VOLUME CONTROL TANK	AUX	715	H.7/11.1	
U2SSEL	VC	0	282-391	21 CHARGING PUMP DISCHARGE HYDRAULIC DESURGER	AUX	895	H.7/10.5	245-041
U2SSEL	VC	0	282-392	22 CHARGING PUMP DISCHARGE HYDRAULIC DESURGER	AUX	895	H.7/11.0	245-042
U2SSEL	VC	0	282-421	21 CHG PMP SUCTION STABILIZER	AUX	895	H.7/10.5	245-041
U2SSEL	VC	0	282-422	22 CHG PMP SUCTION STABILIZER	AUX	895	H.7/11.0	245-042
U2SSEL	VC	20	2FI-115B	21 REAC CLNT PMP SL WTR INJ FI	AUX	720	ON S SIDE COL L.0/11.0	
U2SSEL	VC	20	2FI-110B	22 REAC CLNT PMP SL WTR INJ FI	AUX	720	ON S SIDE COL L.0/11.0	
U2SSEL	VC	20	2LI-112	21 VOL CONT TNK LI	AUX	735	CONTROL PANEL C-2	C-2
U2SSEL	VC	20	2LO-112	21 VOL CONT TNK LVL PWR SPLY	AUX	735	RACK 2RCS2	2RCS2
U2SSEL	VC	18	2LT-112	21 VOL CONT TNK LVL XMTR	AUX	720		
U2SSEL	VC	7	2VC-24-1	21 VOLUME CONTROL TANK RELIEF	AUX	735		
U2SSEL	VC	7	2VC-25-1	RCP SEAL RETURN/EXCESS LETDOWN RELIEF TO PRT	AUX	715		
U2SSEL	VC	7	2VC-25-2	LETDOWN LINE TO VCT INLET	AUX	715		
U2SSEL	VC	7	2VC-28-1	21 CHARGING PUMP DISCHARGE RELIEF	AUX	895		
U2SSEL	VC	7	2VC-28-2	22 CHARGING PUMP DISCHARGE RELIEF	AUX	898		
U2SSEL	VC	7	CV-31211	CHG LN TO 21 REGEN HT EXGR CV	AUX	717	IN 2" LINE L.4/11.3	
U2SSEL	VC	7	CV-31230	2 REAC CLNT LOOP PRZR LTDN LN ISOL CV A	CNTMT	705	IN 2" LINE GRID G28/4	
U2SSEL	VC	7	CV-31279	2 REAC CLNT LOOP PRZR LTDN LN ISOL CV B	CNTMT	705	IN 2" LINE GRID 32/4	
U2SSEL	VC	7	CV-31422	2 EXCESS LETDOWN HX INLET ISOL CV	CNTMT	700	IN 1" LINE 23/142	
U2SSEL	VC	7	CV-31425	21/22 RCP SEAL BYPASS RETURN CV	CNTMT	700	IN 3/4" LINE 30/89	
U2SSEL	VC	7	CV-31426	21 REAC CLNT PMP SL WTR OUTL ISOL CV	CNTMT	738	IN 2" LINE 15/174	
U2SSEL	VC	7	CV-31427	22 REAC CLNT PMP SL WTR OUTL ISOL CV	CNTMT	734	IN 2" LINE 18/25	
U2SSEL	VC	8	MV-32082	21 RWST TO CHG PUMP SUCT MV	AUX	899	IN 4" LINE H.9/10.8	
U2SSEL	VC	8	MV-32083	21 VCT OUTLET TO CHG PUMP SUCT HEADER MV	AUX	707	IN 4" LINE H.7/11.1	
U2SSEL	VC	8	MV-32194	2 REAC EXCS LTDN LINE ISOL MV A	AUX	720	IN 3" LINE L.5/11.2	
U2SSEL	VC	8	MV-32210	2 RCP SEAL RETURN/EXCESS LETDOWN ISOL TRN B MV	CNTMT	720	IN 3" LINE 1/88	
U2SSEL	VC	8	SV-33400	2 REAC CLNT LOOP PRZR LTDN LN ISOL SV 1	CNTMT	705	ON LCV-31230 28/43	CV-31230
U2SSEL	VC	8	SV-33401	2 REAC CLNT LOOP PRZR LTDN LN ISOL SV 2	CNTMT	705	ON LCV-31279 30/45	CV-31279

Northern States Power Company  
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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
245-042	SEISMIC/RELAY	ON	ON	Y	X	X	X			XH 1001-5	NF-40784
253-021	SEISMIC	INTACT	INTACT	N	X	X	X			XH-1001-5	
262-391	ROB	INTACT	INTACT	N	X	X	X			XH-1001-5	
262-392	ROB	INTACT	INTACT	N	X	X	X			XH-1001-5	
262-421	ROB	INTACT	INTACT	N	X	X	X			XH-1001-5	
262-422	ROB	INTACT	INTACT	N	X	X	X			XH-1001-5	
2FI-115B	SEISMIC	INDICATING	INDICATING	N	X	X	X			XH-1001-4	
2FI-116B	SEISMIC	INDICATING	INDICATING	N	X	X	X			XH-1001-4	
2LI-112	ROB	INDICATING	INDICATING	Y	X	X	X			XH-1001-5	NF-40784
2LO-112	ROB	ON	ON	Y	X	X	X			XH-1001-5	NF-40784
2LT-112	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X	X			XH-1001-5	NF-40784
2VC-24-1	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1001-5	
2VC-25-1	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1001-4	
2VC-25-2	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1001-5	
2VC-28-1	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1001-5	
2VC-28-2	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1001-5	
CV-31211	RELAY	OPEN	OPEN	N	X	X	X			XH-1001-5	NF-40784
CV-31230	SEISMIC/RELAY	OPEN	CLOSED(FC)	N	X	X	X			XH-1001-3	NF-40784
CV-31279	SEISMIC/RELAY	OPEN	CLOSED(FC)	N	X	X	X			XH-1001-3	NF-40784
CV-31422	RELAY	CLOSED	CLOSED(FC)	N	X	X	X			XH-1001-4	NF-40784
CV-31425	RELAY	CLOSED	CLOSED(FC)	N	X	X	X			XH-1001-4	NF-40784
CV-31428	RELAY	OPEN	OPEN (FO)	N	X	X	X			XH-1001-4	NF-40784
CV-31427	RELAY	OPEN	OPEN (FO)	N	X	X	X			XH-1001-4	NF-40784
MV-32062	SEISMIC/RELAY	CLOSED	OPEN	Y	X	X	X			XH-1001-5	NF-40784
MV-32063	SEISMIC/RELAY	OPEN	CLOSED	Y	X	X	X			XH-1001-5	NF-40784
MV-32194	SEISMIC/RELAY	OPEN	OPERABLE	Y	X	X	X			XH-1001-4	NF-40784
MV-32210	SEISMIC/RELAY	OPEN	OPERABLE	Y	X	X	X			XH-1001-4	NF-40784
SV-33490	ROB	ENERGIZED	CE-ENERGIZED	N	X	X	X			XH-1001-4	NF-40784
SV-33491	ROB	ENERGIZED	DE-ENERGIZED	N	X	X	X			XH-1001-4	NF-40784

Northern States Power Company  
 Prairie Island Nuclear Generating Plant  
 Unresolved Safety Issue A-46  
 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SOUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	ZC	10	274-011	21 CONTAINMENT FAN-COIL UNIT	CNTMT	715	28/270	
U2SSEL	ZC	10	274-012	22 CONTAINMENT FAN-COIL UNIT	CNTMT	715	22/320	
U2SSEL	ZC	10	274-013	23 CONTAINMENT FAN-COIL UNIT	CNTMT	733	12/15	
U2SSEL	ZC	10	274-014	24 CONTAINMENT FAN-COIL UNIT	CNTMT	755	14/10	
U2SSEL	ZC	10	CD-34080	21 FCU DISCH TO CNTMT DOME CD	CNTMT	737	IN DUCT 25/270	
U2SSEL	ZC	10	CD-34081	21 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	741	IN DUCT 28/270	
U2SSEL	ZC	10	CD-34082	22 FCU DISCH TO CNTMT DOME CD	CNTMT	742	IN DUCT 23/301	
U2SSEL	ZC	10	CD-34083	22 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	740	IN DUCT 27/288	
U2SSEL	ZC	10	CD-34084	23 FCU DISCH TO CNTMT DOME CD	CNTMT	783		
U2SSEL	ZC	10	CD-34085	23 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	781		
U2SSEL	ZC	10	CD-34086	24 FCU DISCH TO CNTMT DOME CD	CNTMT	777		
U2SSEL	ZC	10	CD-34087	24 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	778		
U2SSEL	ZC	8	SV-33389	21 FAN COIL UNIT DSCH TO CONTM DOME DMPR TRN A S	CNTMT	737	ON CD-34080 25/270	CD-34080
U2SSEL	ZC	8	SV-33390	21 FAN COIL UNIT NORM DSCH TO GAP & STRUC DMPR S	CNTMT	741	ON CD-34081 28/270	CD-34081
U2SSEL	ZC	8	SV-33391	22 FAN COIL UNIT DSCH TO CONTM DOME DMPR TRN B S	CNTMT	742	ON CD-34082 23/301	CD-34082
U2SSEL	ZC	8	SV-33392	22 FAN COIL UNIT NORM DSCH TO GAP & STRUC DMPR S	CNTMT	740	ON CD-34083 27/288	CD-34083
U2SSEL	ZC	8	SV-33393	23 FAN COIL UNIT DSCH TO CONTM DOME TRN A SV	CNTMT	783	ON CD-34084 7/37	CD-34084
U2SSEL	ZC	8	SV-33394	23 FAN COIL UNIT NORM DSCH TO GAP & STRUC DMPR S	CNTMT	781	ON CD-34085 11/27	CD-34085
U2SSEL	ZC	8	SV-33395	24 FAN COIL UNIT DSCH TO CONTM DOME TRN B SV	CNTMT	777	ON CD-34086 18/20	CD-34086
U2SSEL	ZC	8	SV-33396	24 FAN COIL UNIT NORM DSCH TO GAP & STRUC DMPR S	CNTMT	778	ON CD-34087 17/25	CD-34087
U2SSEL	ZE	10	274-051	21 AUXILIARY FEEDWATER PUMP MOTOR FAN-COIL UNIT	TURB	705		
U2SSEL	ZE	8	SV-33585	21 AUX FW PMP MTR UNIT CLR SV	TURB	705		
U2SSEL	ZG	9	232-421	21 D5 DSL RM COOLING FAN	D5/D6	895	G.8/17.8	
U2SSEL	ZG	9	232-422	22 D6 DSL RM COOLING FAN	D5/D6	895	H.8/17.8	
U2SSEL	ZG	9	232-441	21 D5 DSL GEN BLDG SPLY FAN	D5/D6	745	G.3/17.4	
U2SSEL	ZG	9	232-442	22 D6 DSL GEN BLDG SPLY FAN	D5/D6	745	J.3/17.4	
U2SSEL	ZG	9	232-443	23 D5 DSL GEN BLDG SPLY FAN	D5/D6	745	G.3/17.4	
U2SSEL	ZG	9	232-444	24 D6 DSL GEN BLDG SPLY FAN	D5/D6	745	J.3/17.4	
U2SSEL	ZG	9	232-451	21 D5 DSL GEN BLDG RETURN FAN	D5/D6	745	G.4/17.0	

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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
274-011	SEISMIC/RELAY	ON	ON	Y					X	NF-39217-3	NF-40760
274-012	SEISMIC/RELAY	ON	ON	Y					X	NF-39217-3	NF-40760
274-013	SEISMIC/RELAY	ON	ON	Y					X	NF-39217-3	NF-40760
274-014	SEISMIC/RELAY	ON	ON	Y					X	NF-39217-3	NF-40760
CD-34080	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39802-2	NF-40760
CD-34081	SEISMIC/RELAY	OPEN	CLOSED (FC AIR)	N					X	NF-39802-2	NF-40760
CD-34082	SEISMIC/RELAY	CLOSED	OPEN	N					X	NF-39802-2	NF-40760
CD-34083	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39802-2	NF-40760
CD-34084	SEISMIC/RELAY	CLOSED	OPEN(FO)	N					X	NF-39802-2	NF-40760
CD-34085	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39802-2	NF-40760
CD-34086	SEISMIC/RELAY	CLOSED	OPEN(FO)	N					X	NF-39802-2	NF-40760
CD-34087	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39802-2	NF-40760
SV-33389	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39802-2	NF-40760
SV-33390	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39802-2	NF-40760
SV-33391	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39802-2	NF-40760
SV-33392	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39802-2	NF-40760
SV-33393	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39802-2	NF-40760
SV-33394	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39802-2	NF-40760
SV-33395	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39802-2	NF-40760
SV-33398	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39802-2	NF-40760
274-051	SEISMIC/RELAY	OFF	ON	Y				X	X	NF-39803-2	NF-40758
SV-33585	SEISMIC	DE-ENERGIZED	ENERGIZED	Y				X	X	NF-39803-2	NF-40758
232-421	IEEE 344	OFF	ON	Y					X	NF-118254	NF-118821
232-422	IEEE 344	OFF	ON	Y					X	NF-118255	NF-118821
232-441	IEEE 344	OFF	ON	Y					X	NF-118254	NF-118839
232-442	IEEE 344	OFF	ON	Y					X	NF-118255	NF-118839
232-443	IEEE 344	OFF	ON	Y					X	NF-118254	NF-118839
232-444	IEEE 344	OFF	ON	Y					X	NF-118255	NF-118839
232-451	IEEE 344	OFF	ON	Y					X	NF-118254	NF-118839

Northern States Power Company  
 Prairie Island Nuclear Generating Plant  
 Unresolved Safety Issue A-46  
 Composite SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SGUG EQUIP. CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	ZG	8	232-452	22 D8 DSL GEN BLDG RETURN FAN	D5/D8	745	J.4/17.0	
U2SSEL	ZG	8	232-453	23 D5 DSL GEN BLDG RETURN FAN	D5/D8	745	G.4/17.0	
U2SSEL	ZG	8	232-454	24 D8 DSL GEN BLDG RETURN FAN	D5/D8	745	J.4/17.0	
U2SSEL	ZX	20	18464	21 & 23 CNTMT FAN COIL UNITS TRN A PDS	AUX	707	J.0/12.0	
U2SSEL	ZX	20	18465	22 & 24 CNTMT FAN COIL UNITS TRN B PDS	AUX	707	K.2/11.2	
U2SSEL	ZX	20	18466	21 CRDM SHROUD CLG COIL TRN A PDS	AUX	744	J.0/13.0	
U2SSEL	ZX	20	18467	22 CRDM SHROUD CLG COIL TRN B PDS	CNTMT	763	18.0/35	
U2SSEL	ZX	7	CV-39413	22/24 FCU CLG WTR SUPPLY CV	AUX	710		
U2SSEL	ZX	7	CV-39414	22/24 FCU CHILLED WTR SUPPLY CV	AUX	704		
U2SSEL	ZX	7	CV-39415	21/23 FCU CLG WTR SUPPLY CV	AUX	707	IN 10" LINE	
U2SSEL	ZX	7	CV-39416	21/23 FCU CHILLED WTR SUPPLY CV	AUX	706		
U2SSEL	ZX	7	CV-39417	22 SHROUD CLG COILS TR A CHILLED WTR SUPPLY CV	CNTMT	762		
U2SSEL	ZX	7	CV-39418	21 SHROUD CLG COILS TR B CHILLED WTR SUPPLY CV	CNTMT	760		
U2SSEL	ZX	7	CV-39421	22/24 FCU CLG WTR RETURN CV	AUX	704		
U2SSEL	ZX	7	CV-39423	21/23 FCU CLG WTR RETURN CV	AUX	707	IN 10" LINE GRID K.0/12.0	
U2SSEL	ZX	8	SV-37413	22; 24 FCU CLG WTR SUPPLY SV	AUX	710	ON CV-39413 K.0/12.0	CV-39413
U2SSEL	ZX	8	SV-37414	22; 24 FCU CHILLED WTR SUPPLY SV	AUX	704	ON CV-39414 K.0/12.0	CV-39414
U2SSEL	ZX	8	SV-37415	21; 23 FCU CLG WTR SUPPLY SV	AUX	707	ON CV-39415 J.0/10.0	CV-39415
U2SSEL	ZX	8	SV-37416	21; 23 FCU CHILLED WTR SUPPLY SV	AUX	706	ON CV-39416 J.0/12.0	CV-39416
U2SSEL	ZX	8	SV-37417	22 SHROUD CLG COILS TR A CHILLED WTR SUPPLY SV	CNTMT	762	ON CV-39417 17.7/50	CV-39417
U2SSEL	ZX	8	SV-37418	21 SHROUD CLG COILS TR B CHILLED WTR SUPPLY SV	CNTMT	760	ON CV-39418 J.0/13.0	CV-39418
U2SSEL	ZX	8	SV-37421	22; 24 FCU CLG WTR RETURN SV	AUX	704	ON CV-39421 J.0/12.0	CV-39421
U2SSEL	ZX	8	SV-37423	21; 23 FCU CLG WTR RETURN SV	AUX	707	ON CV-39423 K.0/12.0	CV-39423
U2SSEL	ZX	8	SV-37464	UNIT 2 TRAIN A CHILL WTR/CLG WTR ISOL SV	AUX	707		
U2SSEL	ZX	8	SV-37465	UNIT 2 TRAIN B CHILL WTR/CLG WTR ISOL SV	AUX	707		
U2SSEL	ZX	8	SV-37466	UNIT 2 TRAIN A CHILL WTR/CLG WTR ISOL SV	AUX	744	J.0/13.0	
U2SSEL	ZX	8	SV-37467	UNIT 2 TRAIN B CHILL WTR/CLG WTR ISOL SV	CNTMT	763	18.0/35	



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 Composite SSEL (Table 2)

SSEL COMPONENT ID	SQUAD EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DN	SS	FLOW DIAG	LOGIC DIAG
232-452	IEEE 344	OFF	ON	Y					X	NF-118255	NF-118839
232-453	IEEE 344	OFF	ON	Y					X	NF-118254	NF-118839
232-454	IEEE 344	OFF	ON	Y					X	NF-118255	NF-118839
10464	RELAY	OPERABLE	OPERABLE	N					X	NF-86172-1 TO 8	NF-86186
10465	RELAY	OPERABLE	OPERABLE	N					X	NF-86172-1 TO 8	NF-86186
10466	RELAY	OPERABLE	OPERABLE	N					X	NF-86172-1 TO 8	NF-86186
10467	RELAY	OPERABLE	OPERABLE	N					X	NF-86172-1 TO 8	NF-86186
CV-39413	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-86186
CV-39414	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39217-2	NF-86186
CV-39415	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-86186
CV-39416	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39217-2	NF-86186
CV-39417	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39217-3	NF-86186
CV-39418	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39217-3	NF-86186
CV-39419	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39217-3	NF-86186
CV-39421	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-86186
CV-39423	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-86186
SV-37413	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39217-2	NF-86186
SV-37414	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39217-2	NF-86186
SV-37415	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39217-2	NF-86186
SV-37416	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39217-2	NF-86186
SV-37417	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39217-2	NF-86186
SV-37419	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39217-2	NF-86186
SV-37421	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-39217-2	NF-86186
SV-37423	ROB	ENERGIZED	DE-ENERGIZED	N					X	NF-86180-1	NF-86186
SV-37464	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-86172-1 TO 8	NF-86186
SV-37465	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-86172-1 TO 8	NF-86186
SV-37466	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-86172-1 TO 8	NF-86186
SV-37467	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-86172-1 TO 8	NF-86186

Northern States Power Company  
 Prairie Island Nuclear Generating Plant  
 Unresolved Safety Issue A-46  
 Seismic Review SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
UOSSEL	CL	21	053-321	12 COOLING WATER PUMP DIESEL OIL DAY TANK	SSCRN	695	C1.6/01.0	
UOSSEL	CL	21	053-322	22 COOLING WATER PUMP DIESEL OIL DAY TANK	SSCRN	695	C1.8/101.0	
UOSSEL	CL	0	067-011	121 SAFEGUARD TRAVELING WATER SCREEN	SSCRN	695	E1.0/01.9	
UOSSEL	CL	0	067-012	122 SAFEGUARD TRAVELING WATER SCREEN	SSCRN	695	E1.0/01.2	
UOSSEL	CL	21	135-101	12 CL PMP DIESEL JACKET CLG HX	SSCRN	695	C1.4/01.5	
UOSSEL	CL	6	145-392	12 DD CLP	SSCRN	695	C1.2/01.5	
UOSSEL	CL	21	146-011	12 CL PMP DIESEL START-UP AIR RECEIVERS	SSCRN	695	C1.1/01.0	
UOSSEL	CL	0	158-011	11 COOLING WATER STRAINER	SSCRN	695	B1.5/01.6	
UOSSEL	CL	21	235-081	22 CL PMP DIESEL JACKET CLG HX	SSCRN	695	C1.4/01.5	
UOSSEL	CL	6	245-392	22 DD CLP	SSCRN	695	C1.2/01.2	
UOSSEL	CL	12	246-011	22 CL PMP DIESEL START-UP AIR RECEIVERS	SSCRN	695	C1.2/101.0	
UOSSEL	CL	0	258-012	22 COOLING WATER STRAINER	SSCRN	695	B1.7/01.5	
UOSSEL	CL	7	2CL-25-1	22 DDCLP JACKET HX RELIEF	SSCRN	700	ON S WALL C1.4/01.3	
UOSSEL	CL	20	70300	12 DD CLWP LCL PNL	SSCRN	695		
UOSSEL	CL	20	70350	22 DD CLWP LCL PNL	SSCRN	695		
UOSSEL	CL	20	70385	121 SFGDS TRAVELING SCRNI DIFF CONT PNL	SSCRN	695		
UOSSEL	CL	20	70386	122 SFGDS TRAVELING SCRNI DIFF CONT PNL	SSCRN	695		
UOSSEL	CL	7	CL-25-1	12 DDCLP JACKET HX RELIEF	SSCRN	695		
UOSSEL	CL	7	CV-31423	12 DDCLP JCKT CLR OUTL CV	SSCRN	705	IN 3" LINE C1.5/01.3	
UOSSEL	CL	7	CV-31457	22 DDCLP JCKT CLR OUTL CV	SSCRN	705	IN 3" LINE C1.5/01.7	
UOSSEL	CL	7	CV-31852	11 CLG WTR STRNR BCKWSH CV	SSCRN	697	IN 2" LINE B1.5/01.7	
UOSSEL	CL	7	CV-31855	22 CLG WTR STRNR BCKWSH CV	SSCRN	697	IN 2" LINE B1.7/01.3	
UOSSEL	CL	8	MV-32034	121 CLWP DSCH HDR MV A	SSCRN	702	IN 24" LINE B1.4/01.9	
UOSSEL	CL	8	MV-32035	121 CLWP DSCH HDR MV B	SSCRN	696	IN 24" LINE B1.4/01.8	
UOSSEL	CL	8	MV-32036	121 CLWP DSCH HDR MV C	SSCRN	696	IN 24" LINE B1.4/01.1	
UOSSEL	CL	8	MV-32037	121 CLWP DSCH HDR MV D	SSCRN	696	IN 24" LINE B1.4/01.2	
UOSSEL	CL	8	MV-32144	LOOP A/B CLG WTR HDR XOVR MV A	AUX	708	IN 24" LINE H.9/0.8	
UOSSEL	CL	8	MV-32159	LOOP A/B CLG WTR HDR XOVR MV B	AUX	708	IN 24" LINE H.9/0.2	
UOSSEL	CL	8	SV-33133	CLG WTR TO 121 SFGDS TRVLE SCRNS SV	SSCRN	695	IN 3" LINE C1.7/01.0	

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SSEL COMPONENT ID	SQUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
053-321	SEISMIC	INTACT	INTACT	N					X	NF-39232	
053-322	SEISMIC	INTACT	INTACT	N					X	NF-39232	
067-011	SEISMIC/RELAY	OFF	ON	Y					X	NF-39218-1	NF-40315
067-012	SEISMIC/RELAY	OFF	ON	Y					X	NF-39218-1	NF-40315
135-101	SEISMIC	INTACT	INTACT	N					X	NF-39218-1	
145-392	SEISMIC/RELAY	OFF	ON	Y				X	X	NF-39218-1	NF-40315
148-011	SEISMIC	INTACT	INTACT	N					X	NF-39232	
158-011	SEISMIC/RELAY	ON	ON	Y					X	NF-39218-1	NF-40315
235-081	SEISMIC	INTACT	INTACT	N					X	NF-39218-1	
245-392	SEISMIC/RELAY	OFF	ON	Y				X	X	NF-39218-1	NF-40315
248-011	SEISMIC	INTACT	INTACT	N					X	NF-39232	
258-012	SEISMIC/RELAY	ON	ON	Y					X	NF-39218-1	NF-40315
2CL-25-1	SEISMIC	CLOSED	CLOSED	N					X	NF-39218-1	
70300	SEISMIC	INTACT	INTACT	N					X		NF-40315
70350	SEISMIC	INTACT	INTACT	N					X		NF-40315
70395	SEISMIC	INTACT	INTACT	N					X		NF-40315
70396	SEISMIC	INTACT	INTACT	N					X		NF-40315
CL-25-1	SEISMIC	CLOSED	CLOSED	N					X	NF-39218-1	
CV-31423	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39218-1	NF-40315
CV-31457	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39218-1	NF-40315
CV-31652	SEISMIC/RELAY	OPERABLE	OPERABLE	N					X	NF-39218-1	NF-40315
CV-31655	SEISMIC/RELAY	OPERABLE	OPERABLE	N					X	NF-39218-1	NF-40315
MV-32034	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39218-1	NF-40315
MV-32035	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39218-1	NF-40315
MV-32036	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39218-1	NF-40315
MV-32037	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39218-1	NF-40315
MV-32144	SEISMIC/RELAY	OPEN	CLOSED	Y					X	NF-39218-3	NF-40315
MV-32159	SEISMIC/RELAY	OPEN	CLOSED	Y					X	NF-39217-2	NF-40315
SV-33133	SEISMIC/RELAY	CLOSED	OPEN (FC LPR)	Y					X	NF-39218-1	NF-40315

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
UOSSEL	CL	8	SV-33134	CLG WTR TO 122 SFGRDS TRVLG SCRNS SV	SSCRN	895	IN 3" LINE C 1.7/81.2	
UOSSEL	CL	8	SV-33464	12 DD CLG WTR PMP AIR MTR RS SV A	SSCRN	700	AT PMP ENG C 1.2/81.8	
UOSSEL	CL	8	SV-33465	12 DD CLWP AIR MTR LS SV B	SSCRN	700	AT PMP ENG C 1.2/81.8	
UOSSEL	CL	8	SV-33466	22 DD CLWP AIR MTR RS SV A	SSCRN	889	AT PMP ENG C 1.2/81.2	
UOSSEL	CL	8	SV-33467	22 DD CLWP AIR MTR SV B	SSCRN	889	AT PMP ENG C 1.2/81.2	
UOSSEL	FO	21	053-251	121 COOLING WATER PUMP DIESEL OIL STORAGE TANK	SSCRN	895	C 1/51.5	
UOSSEL	FO	21	053-252	122 COOLING WATER PUMP DIESEL OIL STORAGE TANK	SSCRN	895	B 1.5/51.5	
UOSSEL	SA	7	SA-56-1	12 CLG WTR PUMP - DIESEL STARTING AIR RELIEF VLV	SSCRN	700		
UOSSEL	SA	7	SA-56-3	22 CLG WTR PUMP - DIESEL STARTING AIR RELIEF VLV	SSCRN	700		
UOSSEL	ZH	5	045-581	121 CONTROL ROOM CHILLED WATER PUMP	AUX	775	G.6/8.7	
UOSSEL	ZH	5	045-582	122 CONTROL ROOM CHILLED WATER PUMP	AUX	755	G.6/8.3	
UOSSEL	ZH	21	053-381	121 CONTROL ROOM CHILLED WATER EXPANSION TANK	AUX	755		
UOSSEL	ZH	21	053-382	122 CONTROL ROOM CHILLED WATER EXPANSION TANK	AUX	755		
UOSSEL	ZH	10	074-031	121A RELAY ROOM FAN-COIL UNIT	AUX	715	H.3/8.5/ RELAY RM	
UOSSEL	ZH	10	074-032	121B RELAY ROOM FAN-COIL UNIT	AUX	715	G.7/8.5	
UOSSEL	ZH	10	074-033	122A RELAY ROOM FAN-COIL UNIT	AUX	715	H.3/8.5	
UOSSEL	ZH	10	074-034	122B RELAY ROOM FAN-COIL UNIT	AUX	715	G.7/8.5	
UOSSEL	ZH	11	075-011	121 CONTROL ROOM WATER CHILLER	AUX	755	G.7/8.0	
UOSSEL	ZH	11	075-012	122 CONTROL ROOM WATER CHILLER	AUX	755	G.7/10.0	
UOSSEL	ZH	7	CV-31789	121 CONT RM CHLLR UNIT CDSR CLG WTR OUTL TCV	AUX	758	IN 4" LINE G.8/7.8	
UOSSEL	ZH	7	CV-31785	122 CONT RM CHLLR UNIT CDSR CLG WTR OUTL TCV	AUX	758	IN 4" LINE G.8/10.2	
UOSSEL	ZH	7	ZH-16-1	121 CHILLER OUTLET - RLF	AUX	764		
UOSSEL	ZH	7	ZH-16-2	122 CHILLER OUTLET - RLF	AUX	764		
UOSSEL	ZN	10	078-021	121 CONTROL ROOM AIR HANDLER	AUX	755	G.5/8.5	
UOSSEL	ZN	10	078-022	122 CONTROL ROOM AIR HANDLER	AUX	755	G.5/8.5	
UOSSEL	ZN	10	CD-34143	121 CONT RM AIR HNDLR DSCH CD	AUX	762	IN DUCT G.5/8.8	
UOSSEL	ZN	10	CD-34144	122 CONT RM AIR HNDLR DSCH CD	AUX	762	IN DUCT G.5/8.1	
UOSSEL	ZR	9	132-281	11 SCREENHOUSE ROOF EXHAUST FAN	SSCRN	715	B 1.3/81.7	
UOSSEL	ZR	9	132-281	11 SCREENHOUSE DIESEL COOLING SUPPLY FAN	SSCRN	895	E 1.2/81.4	

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SSEL COMPONENT ID	SQUIG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	FR	DH	SS	FLOW DIAG	LOGIC DIAG
SV-33134	SEISMIC/RELAY	CLOSED	OPEN (FC LPR)	Y					X	NF-3921C-1	NF-40315
SV-33464	SEISMIC	CLOSED	OPEN (FC LPR)	Y					X	NF-39232	NF-40315
SV-33465	SEISMIC	CLOSED	OPEN (FC LPR)	Y					X	NF-39232	NF-40315
SV-33466	SEISMIC	CLOSED	OPEN (FC LPR)	Y					X	NF-39232	NF-40315
SV-33467	SEISMIC	CLOSED	OPEN (FC LPR)	Y					X	NF-39232	NF-40315
053-251	SEISMIC	INTACT	INTACT	N					X	NF-39232	
053-252	SEISMIC	INTACT	INTACT	N					X	NF-39232	
SA-58-1	SEISMIC	CLOSED	CLOSED	N					X	NF-39232	
SA-56-3	SEISMIC	CLOSED	CLOSED	N					X	NF-39232	
045-591	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
045-592	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
053-381	SEISMIC	INTACT	INTACT	N					X	NF-39603-3	
053-382	SEISMIC	INTACT	INTACT	N					X	NF-39603-3	
074-031	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	
074-032	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
074-033	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
074-034	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
075-011	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
075-012	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
CV-31789	SEISMIC/RELAY	OPEN	OPEN (FC Air)	N					X	NF-39603-3	NF-40758
CV-31785	SEISMIC/RELAY	OPEN	OPEN (FC Air)	N					X	NF-39603-3	NF-40758
ZH-10-1	SEISMIC	CLOSED	CLOSED	N					X	NF-39603-3	
ZH-10-2	SEISMIC	CLOSED	CLOSED	N					X	NF-39603-3	
078-021	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40761
078-022	SEISMIC/RELAY	OFF	OPERABLE	Y					X	NF-39603-3	NF-40761
CD-34143	SEISMIC/RELAY	OPEN	OPEN (FO Air)	N					X	NF-39603-1	NF-40761
CD-34144	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39603-1	NF-40761
132-281	SEISMIC/RELAY	OFF	ON	Y					X	NF-39603-1	NF-40763
132-281	SEISMIC/RELAY	OFF	ON	Y					X	NF-39603-1	NF-40763

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U0SSEL	ZR	9	232-281	21 SCREENHOUSE ROOF EXHAUST FAN	SSCRN	715	B1.2/81.2	
U0SSEL	ZR	9	232-291	21 SCREENHOUSE DIESEL COOLING SUPPLY FAN	SSCRN	895	E1.0/91.7	
U0SSEL	ZR	10	CD-34138	11 SCVNG & COMBTN AIR CD	SSCRN	713	IN DUCT C1.8/81.0	
U0SSEL	ZR	10	CD-34137	11 CLASS I ROOF EXHT FAN DSCH CD	SSCRN	708	IN DUCT B1.1/81.8	
U0SSEL	ZR	10	CD-34139	21 CLASS I ROOF EXHT FAN DSCH CD	SSCRN	708	IN DUCT B1.1/91.2	
U0SSEL	ZR	10	CD-34139	21 SCVNG & COMBTM AIR CD	SSCRN	713	IN DUCT C1.9/101.0	
U1SSEL	AF	5	145-201	11 TD AFW PUMP	TURB	895	F.5/8.3	
U1SSEL	AF	5	145-331	12 TD AFW PUMP	TURB	895	F.5/9.4	
U1SSEL	AF	18	17700	11 AFP LO DISCH PRESS TRIP PS	TURB	700		
U1SSEL	AF	18	17704	11 AFP LO SUCT PRESS TRIP PS	TURB	700		
U1SSEL	AF	18	17776	12 AFWP LO SUCT PRESS TRIP PS	TURB	700		
U1SSEL	AF	18	17777	12 AFP LO DISCH PRESS TRIP PS	TURB	700		
U1SSEL	AF	18	18038	AUX FW TO 11 STM GEN FI	AUX	700	ON W SIDE WALL H.0/8.0	
U1SSEL	AF	18	18038	AUX FW TO 12 STM GEN FI	AUX	700	ON W SIDE WALL H.0/8.0	
U1SSEL	AF	7	AF-29-1	11 AUX FW PUMP SUCT RELIEF	TURB	895		
U1SSEL	AF	7	AF-29-2	12 AUX FW PUMP SUCT RELIEF	TURB	895		
U1SSEL	AF	7	CV-31153	11 TD AUX FW PMP RCRC/LUBE OIL CLG CV	TURB	702	IN 1" LINE F.5/8.2	
U1SSEL	AF	7	CV-31154	12 MD AUX FW PMP RCRC/LUBE OIL CLG CV	TURB	702	IN 1" LINE F.5/8.3	
U1SSEL	AF	7	CV-31988	MAIN STEAM SUPPLY TO 11 TD AFW PUMP CV	TURB	897	IN 3" LINE F.8/7.8	
U1SSEL	AF	8	MV-32238	11 TD AUX FW TO 12 STM GEN MV	TURB	703	IN 3" LINE F.8/8.1	
U1SSEL	AF	8	MV-32381	12 AFWP DSCH TO 11 STM GEN MV	TURB	703	IN 3" LINE F.8/8.5	
U1SSEL	BM	20	A	CONTROL ROOM PANEL A	AUX	735	CONTROL ROOM	
U1SSEL	BM	20	B-1	CONTROL PANEL B-1	AUX	735	CONTROL PANEL B-1	
U1SSEL	BM	20	C-1	CONTROL PANEL C-1	AUX	735	CONTROL ROOM	
U1SSEL	BM	20	D-1	CONTROL PANEL D-1	AUX	735	CONTROL ROOM	
U1SSEL	BM	20	E-1	CONTROL PANEL E-1	AUX	735	CONTROL ROOM	
U1SSEL	BM	20	F-1	CONTROL PANEL F-1	AUX	735	CONTROL ROOM	
U1SSEL	BM	20	G-1	CONTROL PANEL G-1	AUX	735	CONTRGL ROOM	
U1SSEL	CL	7	CL-57-3	11 CONTM FAN COIL-RELIEF	CNTMT	730		

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SSEL COMPONENT ID	SQUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER RFD. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
232-281	SEISMIC/RELAY	OFF	ON	Y					X	NF-38603-1	NF-40783
232-291	SEISMIC/RELAY	OFF	ON	Y					X	NF-38603-1	NF-40783
CD-34138	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-38603-1	NF-40783
CD-34137	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-38603-1	NF-40783
CD-34138	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-38603-1	NF-40783
CD-34139	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-38603-1	NF-40783
145-201	SEISMIC	OFF	ON	N				X		NF-38222	NF-40312
145-331	SEISMIC/RELAY	OFF	ON	Y				X		NF-38222	NF-40312
17700	SEISMIC	INTACT	INTACT	N				X		NF-38222	NF-40312
17704	SEISMIC	INTACT	INTACT	N				X		NF-38222	NF-40312
17776	SEISMIC	INTACT	INTACT	N				X		NF-38222	NF-40312
17777	SEISMIC	INTACT	INTACT	N				X		NF-38222	NF-40312
18036	SEISMIC	INTACT	INTACT	N				X		NF-38222	NF-40312
18038	SEISMIC	INTACT	INTACT	N				X		NF-38222	NF-40312
AF-29-1	SEISMIC	CLOSED	CLOSED	N				X		NF-38222	
AF-29-2	SEISMIC	CLOSED	CLOSED	N				X		NF-38222	
CV-31153	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N				X		NF-38222	NF-40312
CV-31154	SEISMIC/RELAY	CLOSED	OPEN (FO)	N				X		NF-38222	NF-40312
CV-31098	SEISMIC/RELAY	CLOSED	OPEN (FO)	N				X		NF-38218	NF-40312
MV-32238	SEISMIC/RELAY	OPEN	CLOSED	Y				X		NF-38222	NF-40312
MV-32381	SEISMIC/RELAY	OPEN	CLOSED	Y				X		NF-38222	NF-40312
A	SEISMIC	INTACT	INTACT	N					X		
B-1	SEISMIC	INTACT	INTACT	N					X		
C-1	SEISMIC	INTACT	INTACT	N					X		
D-1	SEISMIC	INTACT	INTACT	N					X		
E-1	SEISMIC	INTACT	INTACT	N					X		
F-1	SEISMIC	INTACT	INTACT	N					X		
G-1	SEISMIC	INTACT	INTACT	N					X		
CL-57-3	SEISMIC	CLOSED	CLOSED	N					X	NF-38216-4	

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	CL	7	CL-57-4	12 CONTM FAN COIL-RELIEF	CNTMT	725		
U1SSEL	CL	7	CL-57-5	13 CONTM FAN COIL-RELIEF	CNTMT	729		
U1SSEL	CL	7	CL-57-8	14 CONTM FAN COIL-RELIEF	CNTMT	730		
U1SSEL	CL	7	CV-31505	D1 DSL GEN CLG WTR SPLY CV	TURB	898	AT DSL GEN KA.0/2.2	
U1SSEL	CL	7	CV-31506	D2 DSL GEN CLG WTR SPLY CV	TURB	899	AT DSL GEN JA.0/2.8	
U1SSEL	CL	7	CV-39201	11 & 13 FCU CLG WTR RTN B-P CV	AUX	738	IN 10" LINE J.5/8.4	
U1SSEL	CL	7	CV-39203	12 & 14 FCU CLG WTR RTN DRIF B-P CV	AUX	720	IN 10" LINE J.5/8.0	
U1SSEL	CL	8	MV-32025	11 TD AFW PUMP SUCT CLG WTR SUPPLY MV	TURB	707	IN 4" LINE F.2/8.3	
U1SSEL	CL	8	MV-32027	12 MD AFW PUMP SUCT CLG WTR SUPPLY MV	TURB	707	IN 4" LINE F.2/8.5	
U1SSEL	CL	8	MV-32031	1 TURB BLDG CLG WTR HDR MV	TURB	710	IN 24" LINE B.0/8.1	
U1SSEL	CL	8	MV-32145	11 CC HX CLG WTR INLET MV	AUX	704	IN 12" LINE G.3/8.3	
U1SSEL	CL	8	MV-32146	12 CC HX CLG WTR INLET MV	AUX	706	IN 12" LINE G.2/8.7	
U1SSEL	D1	17	034-011	121 D1 DIESEL GENERATOR	TURB	895	K.5/2.4	
U1SSEL	D1	12	048-031	121 D1 DIESEL GENERATOR STARTUP AIR RECEIVER	AUX	895	D1 DIESEL GENERATOR ROOM	
U1SSEL	D1	21	053-201	121 D1 DIESEL GENERATOR FUEL OIL DAY TANK	TURB	700	L.8/2.8	
U1SSEL	D1	21	053-481	121 D1 DIESEL GENERATOR EXPANSION TANK	TURB	895	KA.0/2.0/D1 EMERG GEN RM	
U1SSEL	D1	0	088-161	121 D1 DIESEL GENERATOR AIR INTAKE FILTER	TURB	715	K.1/2.2	
U1SSEL	D1	18	16143	D1 DSL GEN ENG CRANKCASE PS	TURB	700	NR DSL ENG KA.5/2.2	
U1SSEL	D1	18	16206	D1 DSL GEN CLNT FROM ENG JCKT HI TRIP TS	TURB	705	IN CLNT OUTL HDR KA.5/2.2	
U1SSEL	D1	20	55300	D1 DSL GEN ENG/GEN PANEL (EGP)	TURB	895	KA.4/2.8	
U1SSEL	D1	20	55410	D1 REMOTE CONTROLS ISOLATION PANEL	TURB	898	LA.1/3.0 ON W WALL	
U1SSEL	D1	20	D1/GEN RLY PNL	D1 EMERG GEN RELAY PNL	TURB	895	LA.5/2.8/895TUR	
U1SSEL	D1	8	SV-33242	D1 DSL GEN AIR STRT VENT SV	TURB	897		
U1SSEL	D2	17	034-021	D2 DIESEL GENERATOR	TURB	895	H.3/2.4	
U1SSEL	D2	12	048-032	122 D2 DIESEL GENERATOR STARTUP AIR RECEIVER	AUX	895	D2 DIESEL GENERATOR ROOM	
U1SSEL	D2	21	053-202	122 D2 DIESEL GENERATOR FUEL OIL DAY TANK	TURB	700	J.1/2.8	
U1SSEL	D2	21	053-482	122 D2 DIESEL GENERATOR EXPANSION TANK	TURB	895	JA.0/2.0/D2 EMERG GEN RM	
U1SSEL	D2	0	088-182	122 D2 DIESEL GENERATOR AIR INTAKE FILTER	TURB	715	H.8/2.2	
U1SSEL	D2	18	16144	D2 DSL GEN ENG CRANKCASE PS	TURB	897	NR DSL ENG HA.0/2.2	



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 Unresolved Safety Issue A-46  
 Seismic Review SSEL (Table 2)

SSEL COMPONENT ID	SQUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
CL-57-4	SEISMIC	CLOSED	CLOSED	N					X	NF-39216-4	
CL-57-5	SEISMIC	CLOSED	CLOSED	N					X	NF-39216-4	
CL-57-6	SEISMIC	CLOSED	CLOSED	N					X	NF-39216-4	
CV-31505	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39255-1	NF-40325
CV-31506	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39255-1	NF-40325
CV-39201	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39216-3	NF-40315
CV-39203	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39216-3	NF-40315
MV-32025	SEISMIC/RELAY	CLOSED	OPEN	Y				X	X	NF-39216-2	NF-40312
MV-32027	SEISMIC/RELAY	CLOSED	OPEN	Y				X	X	NF-39217-1	NF-40312
MV-32031	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39216-2	NF-40315
MV-32145	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39216-3	NF-40315
MV-32146	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39216-3	NF-40315
034-011	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-39255-1	NF-40325
048-031	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
053-201	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
053-481	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
069-161	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
18143	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	NF-40325
18206	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	NF-40325
55300	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40325
55410	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40325
01/GEN RLY PNL	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40325
SV-33242	SEISMIC	CLOSES	OPERABLE	Y					X	NF-39255-1	NF-40325
034-021	SEISMIC/RELAY	STANDBY	STANDBY/OPERABLE	Y					X	NF-39255-1	NF-40325
046-032	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
053-202	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
053-482	SEISMIC	INTACT	INTACT	N					X	NF-39242	
069-162	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	
18144	SEISMIC	INTACT	INTACT	N					X	NF-39255-1	NF-40325

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	D2	18	16207	D2 DSL GEN CLNT FROM ENG JCKT HI TRIP TS	TURB	705	IN CLNT OUTL HDR HG.8/2.2	
U1SSEL	D2	20	55800	D2 DSL GEN ENG/GEN PANEL (EGP)	TURB	695	HA.8/2.8	
U1SSEL	D2	20	D2/GEN RLY PNL	D2 EMERG GEN RELAY PNL	TURB	695		
U1SSEL	D2	8	SV-33245	D2 DSL GEN AIR STRT VENT SV	TURB	697	AT MD CMPR HA.7/2.7	
U1SSEL	DC	15	11 BATT	11 STATION BATTERY	TURB	695		
U1SSEL	DC	16	11 BATT CHG	11 BATTERY CHARGER	TURB	695	11 BATT RM	
U1SSEL	DC	15	12 BATT	12 BATTERY	TURB	695		
U1SSEL	DC	16	12 BATT CHG	12 BATTERY CHARGER	TURB	695	12 BATT RM	
U1SSEL	DC	14	PNL 11	DISTRIBUTION PANEL 11	TURB	695	C.9/8.8 11 BATTERY ROOM	
U1SSEL	DC	14	PNL 12	DISTRIBUTION PANEL 12	TURB	695	D.7/8.8 12 BATTERY ROOM	
U1SSEL	DC	14	PNL 15	NUCLEAR DISTRIBUTION PANEL 15	TURB	715	G.0/8.3	
U1SSEL	DC	14	PNL 151	DISTRIBUTION PANEL 151	AUX	715	J.0/5.0 NEAR MCC 1L1	
U1SSEL	DC	14	PNL 16	NUCLEAR DISTRIBUTION PANEL 16	TURB	715	G.5/8.5	
U1SSEL	DC	14	PNL 161	DC DISTRIBUTION PANEL 161	AUX	715	K.5/7.2 ENTRY TO VLV GALLERY	
U1SSEL	DC	14	PNL 162	DC DISTRIBUTION PANEL 162	AUX	715	L.0/7.0 NEAR PENET CAB 1138	
U1SSEL	DC	14	PNL 17	DC DISTRIBUTION PANEL 17	SSCRN	695	B1.5/81.3 NEAR 11 CL STRAIN	
U1SSEL	DC	14	PNL 18	DC DISTRIBUTION PANEL 18	SSCRN	695	B1.5/81.7 NEAR 21 CL STRAIN	
U1SSEL	DC	14	PNL 191	DC DISTRIBUTION PANEL 191	AUX	715	J.3/4.1 SW SIDE OF RWST	
U1SSEL	EA	20	B15 LOGIC-1	BUS 15 LOGIC RELAY CAB 1	TURB	715	E.3/6.0	
U1SSEL	EA	20	B15 LOGIC-2	BUS 15 LOGIC CAB 2	TURB	715	E.3/8.0	
U1SSEL	EA	20	B15/LOAD SEQ CAB	BUS 15 SAFEGUARDS LOAD SEQUENCER CABINET	TURB	715		
U1SSEL	EA	20	B16/LOAD SEQ CAB	BUS 16 SAFEGUARDS LOAD SEQUENCER CABINET	TURB	715		
U1SSEL	EA	3	BUS 15	BUS 15 4.16KV SWITCHGEAR	TURB	715		
U1SSEL	EA	3	BUS 16	BUS 16 4.16KV SWITCHGEAR	TURB	715	F.5/6.7 16 BUS ROOM	
U1SSEL	EB	4	111M/XFMR	111M TRANSFORMER	TURB	715	BUS 111	
U1SSEL	EB	4	112M/XFMR	112M TRANSFORMER	AUX	735	BUS 112	
U1SSEL	EB	4	121M/XFMR	121M TRANSFORMER	TURB	715	BUS 121	
U1SSEL	EB	4	122M/XFMR	122M TRANSFORMER	AUX	735	BUS 122	
U1SSEL	EB	4	1PZRHTRA/XFMR	1 PRZR HTR GRP A TRANSFORMER	AUX	735	H.1/3.8/735AUX	

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SSEL COMPONENT ID	SOUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SB	FLOW DIAG	LOGIC DIAG
18207	SEISMIC	INTACT	INTACT	N					X	NF-38255-1	NF-40325
55800	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40325
D2/GEN RLY PNL	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40325
SV-33245	SEISMIC	CLOSED	OPERABLE	Y					X	NF-38255-1	NF-40325
11 BATT	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
11 BATT CHG	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
12 BATT	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
12 BATT CHG	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
PNL 11	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
PNL 12	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
PNL 15	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
PNL 151	SEISMIC	INTACT	INTACT	Y					X	NF-40024-3	
PNL 18	SEISMIC	INTACT	INTACT	Y					X	NF-40024-2	
PNL 181	SEISMIC	INTACT	INTACT	Y					X	NF-40024-3	
PNL 182	SEISMIC	INTACT	INTACT	Y					X	NF-40024-3	
PNL 17	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
PNL 18	SEISMIC	INTACT	INTACT	Y					X	NF-40024-2	
PNL 191	SEISMIC	INTACT	INTACT	Y					X	NF-40024-4	
B15 LOGIC-1	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40019
B15 LOGIC-2	SEISMIC	INTACT	INTACT	N					X	NF-40002-2	NF-40019
B15/LOAD SEQ CAB	IEEE 344	INTACT	INTACT	Y					X	NF-40002-2	NF-40019
B16/LOAD SEQ CAB	IEEE 344	INTACT	INTACT	Y					X	NF-40002-2	NF-40019
BUS 15	SEISMIC/RELAY	INTACT	INTACT	Y					X	NF-40002-3	NF-40019
BUS 18	SEISMIC/RELAY	INTACT	INTACT	Y					X	NF-40002-3	NF-40019
111M/XFMR	IEEE-344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
112M/XFMR	IEEE-344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
121M/XFMR	IEEE-344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
122M/XFMR	IEEE-344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
1PZRHTRA/XFMR	SEISMIC	INTACT	INTACT	Y			X		X	NF-40022-1	NF-40015

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	EB	4	1PZRNRB/XFMR	1 PRZR HTR GRP B TRANSFORMER	AUX	735	H.1/3.9/735AUX	
U1SSEL	EB	2	BUS 111	BUS 111 480V SWITCHGEAR	TURB	715	E.0/9.3 111 BUS ROOM	
U1SSEL	EB	2	BUS 112	BUS 112 480V SWITCHGEAR	AUX	735	G.3/5.6 112 BUS ROOM	
U1SSEL	EB	2	BUS 121	BUS 121 480V SWITCHGEAR	TURB	715	F.0/9.3 121 BUS ROOM	
U1SSEL	EB	2	BUS 122	BUS 122 480V SWITCHGEAR	AUX	735	G.2/12.8 122 BUS ROOM	
U1SSEL	EB	1	MCC 1A1	MOTOR CONTROL CENTER 1A BUS 1	TURB	695	F.8/8.8 11/21 AFW PUMP ROOM	
U1SSEL	EB	1	MCC 1A2	MOTOR CONTROL CENTER 1A BUS 2	TURB	695	E.5/8.4 11/21 AFW PUMP ROOM	
U1SSEL	EB	1	MCC 1AB1	MOTOR CONTROL CENTER 1AB BUS 1	SSCRN	695	B.1.2/81.6 NEAR 11/12 CL STR	
U1SSEL	EB	1	MCC 1AB2	MOTOR CONTROL CENTER 1AB BUS 2	SSCRN	695	B.1.2/81.4 NEAR 21/22 CL STR	
U1SSEL	EB	1	MCC 1AC1	MOTOR CONTROL CENTER 1AC BUS 1	TURB	695	C.0/8.3 11 BATTERY ROOM	
U1SSEL	EB	1	MCC 1AC2	MOTOR CONTROL CENTER 1AC BUS 2	TURB	695	D.4/8.6 12 BATTERY ROOM	
U1SSEL	EB	1	MCC 1K1	MOTOR CONTROL CENTER 1K BUS 1	AUX	695	G.2/5.2 NEAR RHR PIT	
U1SSEL	EB	1	MCC 1K2	MOTOR CONTROL CENTER 1K BUS 2	AUX	695	G.8/8.5 NEAR CHG PUMPS	
U1SSEL	EB	1	MCC 1L1	MOTOR CONTROL CENTER 1L BUS 1	AUX	715	J.2/5.2 NEAR PENET CAB 1134	
U1SSEL	EB	1	MCC 1L2	MOTOR CONTROL CENTER 1L BUS 2	AUX	715	J.4/8.4 NEAR 11 VCT ROOM	
U1SSEL	EB	1	MCC 1LA1	MOTOR CONTROL CENTER 1LA BUS 1	AUX	735	J.2/5.2 NEAR PERS AIRLOCK	
U1SSEL	EB	1	MCC 1LA2	MOTOR CONTROL CENTER 1LA BUS 2	AUX	735	H.7/5.9 NEAR ELEVATOR	
U1SSEL	EB	1	MCC 1R1	MOTOR CONTROL CENTER 1R BUS 1 & 2	TURB	735	H.2/3.7 U1 ROD DRIVE RM	
U1SSEL	EB	1	MCC 1S1	MOTOR CONTROL CENTER 1S BUS 1	TURB	735	H.3/3.7 U1 ROD DRIVE RM	
U1SSEL	EB	1	MCC 1T1	MOTOR CONTROL CENTER 1T BUS 1	AUX	755	G.4/8.1 121 CONT RM CHLR RM	
U1SSEL	EB	1	MCC 1T2	MOTOR CONTROL CENTER 1T BUS 2	AUX	755	G.4/10.0 122 CONT RM CHLR R	
U1SSEL	EB	1	MCC 1TA1	MOTOR CONTROL CENTER 1TA BUS 1	TURB	695	K.9/2.8 D1 DIESEL ROOM	
U1SSEL	EB	1	MCC 1TA2	MOTOR CONTROL CENTER 1TA BUS 2	TURB	695	H.3/2.8 D2 DIESEL ROOM	
U1SSEL	EB	1	MCC 1X1	MOTOR CONTROL CENTER 1X BUS 1	AUX	715	J.4/5.2 NEAR PENET CAB 1134	
U1SSEL	EB	1	MCC 1X2	MOTOR CONTROL CENTER 1X BUS 2	AUX	715	J.4/8.1 NEAR 11 VCT ROOM	
U1SSEL	ED	0	TB 1203	RELAY ROOM AUX RELAY CABINET	AUX	715	G/8	
U1SSEL	ED	20	TB 1208	RELAY ROOM TERMINAL BOX	AUX	715	H/8	
U1SSEL	ED	20	TB 1243	TB FOR 12 CHARGING PUMP	AUX	695	G/7	
U1SSEL	ED	20	TB 1244	TB FOR 11 CHARGING PUMP	AUX	695	G/7	

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SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
1PZRHRB/XFMR	SEISMIC	INTACT	INTACT	Y			X		X	NF-40022-1	NF-40015
BUS 111	IEEE-344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
BUS 112	IEEE-344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
BUS 121	IEEE-344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
BUS 122	IEEE-344	INTACT	INTACT	Y					X	NF-40022-1	NF-40015
MCC 1A1	SEISMIC	INTACT	INTACT	Y					X	NF-40028	NF-40015
MCC 1A2	SEISMIC	INTACT	INTACT	Y					X	NF-40028	NF-40015
MCC 1AB1	SEISMIC	INTACT	INTACT	Y					X	NF-40028	NF-40015
MCC 1AB2	SEISMIC	INTACT	INTACT	Y					X	NF-40028	NF-40015
MCC 1AC1	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	NF-40015
MCC 1AC2	SEISMIC	INTACT	INTACT	Y					X	NF-40024-2	NF-40015
MCC 1K1	SEISMIC	INTACT	INTACT	Y					X	NF-40038	NF-40015
MCC 1K2	SEISMIC	INTACT	INTACT	Y					X	NF-40038	NF-40015
MCC 1L1	SEISMIC	INTACT	INTACT	Y					X	NF-40037	NF-40015
MCC 1L2	SEISMIC	INTACT	INTACT	Y					X	NF-40037	NF-40015
MCC 1LA1	SEISMIC	INTACT	INTACT	Y					X	NF-40037	NF-40015
MCC 1LA2	SEISMIC	INTACT	INTACT	Y					X	NF-40037	NF-40015
MCC 1R1	SEISMIC	INTACT	INTACT	Y					X	NF-40053	NF-40015
MCC 1S1	SEISMIC	INTACT	INTACT	Y					X	NF-40040	NF-40015
MCC 1T1	SEISMIC	INTACT	INTACT	Y					X	NF-82982	NF-40015
MCC 1T2	SEISMIC	INTACT	INTACT	Y					X	NF-82982	NF-40015
MCC 1TA1	SEISMIC	INTACT	INTACT	Y					X	NF-40038	NF-40015
MCC 1TA2	SEISMIC	INTACT	INTACT	Y					X	NF-40038	NF-40015
MCC 1X1	SEISMIC	INTACT	INTACT	Y					X	NF-40023	NF-40015
MCC 1X2	SEISMIC	INTACT	INTACT	Y					X	NF-40023	NF-40015
TB 1203	SEISMIC	INTACT	INTACT	N					X		
TB 1209	SEISMIC	INTACT	INTACT	N					X		
TB 1243	SEISMIC	INTACT	INTACT	N					X		
TB 1244	SEISMIC	INTACT	INTACT	N					X		

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	ED	20	TB A1640	11 TD AUX FEEDWATER PUMP RELAY CABINET	AUX	695	G/8	
U1SSEL	EM	20	1ICCM-PDA	ICCM UNIT1 TRAIN A PLASMA DISPLAY	TURB	735	G.2/8.0 CONTROL ROOM	
U1SSEL	EM	20	1ICCM-PDB	ICCM UNIT1 TRAIN A PLASMA DISPLAY	TURB	735	G.2/8.0 CONTROL ROOM	
U1SSEL	EM	18	1LE-751	11 RX VSL HEAD TRN A HIGH VOL SENSOR	CNTMT	736	ON S POOL WALL 45/43	
U1SSEL	EM	18	1LE-753	11 RX VSL SEAL TABLE TRN A HIGH VOL SENSOR	CNTMT	729	ON W POOL WALL 33/31	
U1SSEL	EM	18	1LE-761	12 RX VSL HEAD TRN B HIGH VOL SENSOR	CNTMT	736	ON S POOL WALL 45/43	
U1SSEL	EM	18	1LE-763	12 RX VSL SEAL TABLE TRN B HIGH VOL SENSOR	CNTMT	728	ON W POOL WALL 33/31	
U1SSEL	EM	20	1LM-750	ICCM U1 TRN A MICROPROCESSOR 1LM-750	TURB	735	G.2/8.0 CONTROL ROOM	
U1SSEL	EM	20	1LM-760	ICCM U1 TRN B MICROPROCESSOR 1LM-760	TURB	735	G.2/8.0 CONTROL ROOM	
U1SSEL	EM	18	1LT-487	11 STM GEN LOOP A WR LVL XMTR	CNTMT	716	ON SHLD WALL 8/192	
U1SSEL	EM	18	1LT-488	12 STM GEN LOOP B WR LVL XMTR	CNTMT	716	ON SHLD WALL 18/337	
U1SSEL	EM	18	1LT-751	11 RX VSL HEAD UPPER RNG TRN A D/P XMTR	AUX	735	ON INSTR RACK J.5/4.2	
U1SSEL	EM	18	1LT-753	11 RX VSL HEAD DYNAMIC RNG TRN A D/P XMTR	AUX	735	ON INSTR RACK J.5/4.2	
U1SSEL	EM	18	1LT-761	12 RX VSL HEAD UPPER RNG TRN B D/P XMTR	AUX	735	ON INSTR RACK J.5/4.5	
U1SSEL	EM	18	1LT-763	12 RX VSL HEAD DYNAMIC RNG TRN B D/P XMTR	AUX	735	ON INSTR RACK J.5/4.5	
U1SSEL	EM	18	1LT-820	11 RWST LVL XMTR	AUX	700	ON E SIDE WALL J.3/4.3	
U1SSEL	EM	18	1LT-821	11 RWST LVL XMTR	AUX	700	ON E SIDE WALL J.3/4.3	
U1SSEL	EM	18	1TE-450A	1 REAC CLNT LOOP A HOT LEG RTD	CNTMT	723	IN 29" LINE 28/193	
U1SSEL	EM	18	1TE-451A	1 REAC CLNT LOOP B HOT LEG RTD	CNTMT	723	IN 29" LINE 35/352	
U1SSEL	EM	20	EM-A1	EVENT MONITORING RACK EM-A1	AUX	735	120 BUS RM	
U1SSEL	EM	20	EM-A3	EVENT MONITCRING RACK EM-A3	AUX	735	120 BUS RM	
U1SSEL	EM	20	EM-B1	EVENT MONITORING RACK EM-B1	AUX	735	220 BUS RM	
U1SSEL	EM	20	EM-B3	EVENT MONITORING RACK EM-B3	AUX	735	220 BUS RM	
U1SSEL	EM	14	PNL 1EMA	DISTRIBUTION PANEL 1EMA	TURB	735	H.3/5.3 TRN A EVENT MON ROOM	
U1SSEL	EM	14	PNL 1EMB	DISTRIBUTION PANEL 1EMB	TURB	735	H.0/12.0 TRN B EVENT MON ROOM	
U1SSEL	EX	14	PNL 132	AC DISTRIBUTION PANEL 132	TURB	695	E.8/9.1 NEAR 123 AIR COMPR	
U1SSEL	EX	14	PNL 133	AC DISTRIBUTION PANEL 133	TURB	695	E.9/8.9 NEAR 122 AIR COMPR	
U1SSEL	EX	20	PNL 134	AC DISTRIBUTION PANEL 134	AUX	695	G.1/6.4 NEAR CHG PUMPS	
U1SSEL	EX	20	PNL 135	AC DISTRIBUTION PANEL 135	AUX	695	H.2/8.4 NEAR ELEVATOR	

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SSEL COMPONENT ID	SQUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
TB A1640	SEISMIC	INTACT	INTACT	N					X		
1ICCM-PDA	SEISMIC	INTACT	INTACT	N					X		
1ICCM-PDB	SEISMIC	INTACT	INTACT	N					X		
1LE-751	SEISMIC	INDICATING	INDICATING	N		X				XH-1-7	
1LE-753	SEISMIC	INDICATING	INDICATING	N		X				XH-1-7	
1LE-761	SEISMIC	INDICATING	INDICATING	N		X				XH-1-7	
1LE-763	SEISMIC	INDICATING	INDICATING	N		X				XH-1-7	
1LM-750	SEISMIC	INTACT	INTACT	N					X		
1LM-760	SEISMIC	INTACT	INTACT	N					X		
1LT-487	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39218	
1LT-488	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39218	
1LT-751	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-753	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-761	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-763	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-920	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X				XH-1-45	NF-40783
1LT-921	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X				XH-1-45	NF-40783
1TE-450A	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		XH-1-7	
1TE-451A	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		XH-1-7	
EM-A1	SEISMIC	INTACT	INTACT	N					X		
EM-A3	SEISMIC	INTACT	INTACT	N					X		
EM-B1	SEISMIC	INTACT	INTACT	N					X		
EM-B3	SEISMIC	INTACT	INTACT	N					X		
PNL 1EMA	SEISMIC	INTACT	INTACT	Y					X	NF-94831-4	
PNL 1EMB	SEISMIC	INTACT	INTACT	Y					X	NF-94831-5	
PNL 132	SEISMIC	INTACT	INTACT	Y					X	NF-40018-2	
PNL 133	SEISMIC	INTACT	INTACT	Y					X	NF-40018-2	
PNL 134	SEISMIC	INTACT	INTACT	Y					X	NF-40018-3	
PNL 135	SEISMIC	INTACT	INTACT	Y					X	NF-40018-3	

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	EX	20	PNL 136	AC DISTRIBUTION PANEL 136	SSCRN	895	B1.8/1.3 NEAR 12 CL STRAIN	
U1SSEL	EX	20	PNL 137	AC DISTRIBUTION PANEL 137	SSCRN	895	B1.8/1.9 NEAR 22 CL STRAIN	
U1SSEL	FO	8	045-271	121 DSL GEN OIL STOR TK SUBMERSIBLE PUMP	FUEL	895	LA.7/0.3	
U1SSEL	FO	6	045-273	123 DSL GEN OIL STOR TK SUBMERSIBLE PUMP	FUEL	895	KA.5/0.3	
U1SSEL	FO	6	045-301	121 DSL CLG WTR PMP OIL STOR TK SUBMERSIBLE PMP	SSCRN	895	C.1/51.5	
U1SSEL	FO	6	045-302	122 DSL CLG WTR PMP OIL STOR TK SUBMERSIBLE PMP	SSCRN	895	B1.5/51.5	
U1SSEL	FO	21	053-221	121 DIESEL GENERATOR OIL STORAGE TANK	TURB	895	LA.7/0.3	
U1SSEL	FO	21	053-223	123 DIESEL GENERATOR OIL STORAGE TANK	TURB	895	KA.5/0.3	
U1SSEL	IP	18	11 INV	11 INVERTER	TURB	895	11 BATT RM	
U1SSEL	IP	18	12 INV	12 INVERTER	TURB	895	12 BATT RM	
U1SSEL	IP	18	13 INV	13 INVERTER	TURB	895	11 BATT RM	
U1SSEL	IP	18	17 INV	17 INVERTER	TURB	895	11 BATT RM	
U1SSEL	IP	18	18 INV	18 INVERTER	TURB	895	12 BATT RM	
U1SSEL	IP	14	PNL 111	INSTR BUS II PANEL (WH) 111	TURB	715	G.1/8.2	
U1SSEL	IP	14	PNL 112	INSTR BUS I PANEL (RED) 112	TURB	715	G.4/8.8	
U1SSEL	IP	14	PNL 113	INSTR BUS III PANEL (BLUE) 113	TURB	715	G.1/8.0	
U1SSEL	MP	20	14MR	14 MISCELLANEOUS RELAY RACK	AUX	735	CONTROL ROOM	
U1SSEL	MS	7	CV-31059	11 TO AFW PUMP TRIP THROTTLE CV	TURB	897	IN 3" LINE F.9/8.1	
U1SSEL	MS	7	CV-31084	11 STM GEN POWER OPERATED RELIEF CV	AUX	738		
U1SSEL	MS	7	CV-31089	12 STM GEN POWER OPERATED RELIEF CV	AUX	758	IN 8" LINE J.3/5.8	
U1SSEL	MS	7	CV-31088	11 STM GEN MSIV CV	AUX	728		
U1SSEL	MS	7	CV-31089	12 STM GEN MSIV CV	AUX	739	IN 30" LINE J.2/5.8	
U1SSEL	MS	7	RS-21-1	SAFETY VALVE HEADER STM GENERATOR 11	AUX	742		
U1SSEL	MS	7	RS-21-10	SAFETY VALVE HEADER STM GENERATOR 12	AUX	762		
U1SSEL	MS	7	RS-21-2	SAFETY VALVE HEADER STM GENERATOR 11	AUX	742		
U1SSEL	MS	7	RS-21-3	SAFETY VALVE HEADER STM GENERATOR 11	AUX	742		
U1SSEL	MS	7	RS-21-4	SAFETY VALVE HEADER STM GENERATOR 11	AUX	742		
U1SSEL	MS	7	RS-21-5	SAFETY VALVE HEADER STM GENERATOR 11	AUX	742		
U1SSEL	MS	7	RS-21-6	SAFETY VALVE HEADER STM GENERATOR 12	AUX	762		



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SSEL COMPONENT ID	SOUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER RED. Y/N	RX	IN	PR	DN	SS	FLOW DIAG	LOGIC DIAG
PNL 136	SEISMIC	INTACT	INTACT	Y					X	NF-40018-2	
PNL 137	SEISMIC	INTACT	INTACT	Y					X	NF-40018-2	
045-271	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-38232	NF-40323
045-273	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-38232	NF-40323
045-301	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-38232	NF-40323
045-302	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-38232	NF-40323
053-221	SEISMIC	INTACT	INTACT	N					X	NF-38232	
053-223	SEISMIC	INTACT	INTACT	N					X	NF-38232	
11 INV	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
12 INV	SEISMIC	INTACT	INTACT	Y					X	NF-40024-2	
13 INV	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
17 INV	SEISMIC	INTACT	INTACT	Y					X	NF-94831-4	
18 INV	SEISMIC	INTACT	INTACT	Y					X	NF-94831-5	
PNL 111	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
PNL 112	SEISMIC	INTACT	INTACT	Y					X	NF-40024-2	
PNL 113	SEISMIC	INTACT	INTACT	Y					X	NF-40024-1	
14MR	SEISMIC	INTACT	INTACT	N					X		
CV-31059	SEISMIC	OPEN	OPERABLE	N				X		NF-38218	NF-40322
CV-31084	SEISMIC/RELAY	CLOSED	OPEN (FC)	N				X		NF-38218	NF-40322
CV-31089	SEISMIC/RELAY	CLOSED	OPEN (FC)	N				X		NF-38218	NF-40322
CV-31098	SEISMIC/RELAY	OPEN	CLOSED (FC)	Y				X		NF-38218	NF-40322
CV-31099	SEISMIC/RELAY	OPEN	CLOSED (FC)	Y				X		NF-38218	NF-40322
RS-21-1	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	
RS-21-10	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	
RS-21-2	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	
RS-21-3	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	
RS-21-4	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	
RS-21-5	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	
RS-21-8	SEISMIC	CLOSED	CLOSED	N				X		NF-38218	

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	MS	7	RS-21-7	SAFETY VALVE HEADER STM GENERATOR 12	AUX	782		
U1SSEL	MS	7	RS-21-8	SAFETY VALVE HEADER STM GENERATOR 12	AUX	782		
U1SSEL	MS	7	RS-21-9	SAFETY VALVE HEADER STM GENERATOR 12	AUX	782		
U1SSEL	NI	0	1NE-51	EXCORE DETECTION TRN A DETECTOR ASSY	CNTMT	712		
U1SSEL	NI	0	1NE-52	EXCORE DETECTION TRN B DETECTOR ASSY	CNTMT	712		
U1SSEL	NI	18	1NM-51	EXCORE DETECTION TRN A AMPLIFIER	AUX	739		
U1SSEL	NI	18	1NM-52	EXCORE DETECTION TRN B AMPLIFIER	AUX	739		
U1SSEL	NI	20	1NR3	NUCLEAR INSTRUMENTATION RACK 1NR3	AUX	735	CONTROL ROOM	
U1SSEL	NI	20	1NR4	NUCLEAR INSTRUMENTATION RACK 1NR4	AUX	735	CONTROL ROOM	
U1SSEL	RC	21	153-011	11 PRESSURIZER RELIEF TANK	CNTMT	805	15/85	
U1SSEL	RC	20	1RCS1	PROCESS CONTROL RACK 1RCS1	AUX	735	CONTROL ROOM	
U1SSEL	RC	20	1RCS2	PROCESS CONTROL RACK 1RCS2	AUX	735	CONTROL ROOM	
U1SSEL	RC	7	RC-10-1	PRESSURIZER RELIEF VALVE	CNTMT	738		
U1SSEL	RC	7	RC-10-2	PRESSURIZER RELIEF VALVE	CNTMT	738		
U1SSEL	RE	20	1PLP	PROCESS CONTROL RACK 1PLP	AUX	735	CONTROL ROOM	
U1SSEL	RP	2	1-52/RTA	A - TRAIN REAC TRIP BREAKER	AUX	735	U1 ROD DRIVE RM	
U1SSEL	RP	2	1-52/RTB	B - TRAIN REAC TRIP BREAKER	AUX	735	U1 ROD DRIVE RM	
U1SSEL	RP	20	1AMR1	MISCELLANEOUS RELAY RACK 1AMR1	AUX	715	RELAY ROOM	
U1SSEL	RP	20	1ASG1	SAFEGUARD RELAY RACK 1ASG1	AUX	715	RELAY ROOM	
U1SSEL	RP	20	1ASG2	SAFEGUARD RELAY RACK 1ASG2	AUX	715	RELAY ROOM	
U1SSEL	RP	20	1B1	PROCESS PROTECTION RACK 1B1	AUX	735	CONTROL ROOM	
U1SSEL	RP	20	1B2	PROCESS PROTECTION RACK 1B2	AUX	735	CONTROL ROOM	
U1SSEL	RP	20	1BSG1	SAFEGUARD RELAY RACK 1BSG1	AUX	715	RELAY ROOM	
U1SSEL	RP	20	1BSG2	SAFEGUARD RELAY RACK 1BSG2	AUX	715	RELAY ROOM	
U1SSEL	RP	18	1LT-426	1 REAC CLNT LOOP PRZR (CHNNL I-RED) LVL XMTR	CNTMT	720	ON N SIDE WALL 11/18	
U1SSEL	RP	18	1LT-428	1 REAC CLNT LOOP PRZR (CHNNL III-BLU) LVL XMTR	CNTMT	720	ON E SIDE WALL 12/30	
U1SSEL	RP	18	1PT-429	1 REAC CLNT LOOP PRZR (CHNNL I-RED) P XMTR	CNTMT	720	ON N SIDE WALL 11/18	
U1SSEL	RP	18	1PT-431	1 REAC CLNT LOOP PRZR (CHNNL III-BLU) P XMTR	CNTMT	720	ON E SIDE WALL 12/30	
U1SSEL	RP	18	1PT-488	11 STM GEN LOOP A (CHNNL I-RED) P XMTR	AUX	720	ON NORTH SIDE WALL P.0/8.0	

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SSEL COMPONENT ID	SGUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
RS-21-7	SEISMIC	CLOSED	CLOSED	N				X		NF-39218	
RS-21-8	SEISMIC	CLOSED	CLOSED	N				X		NF-39218	
RS-21-9	SEISMIC	CLOSED	CLOSED	N				X		NF-39218	
1NE-51	SEISMIC/RELAY	INDICATING	INDICATING	Y	X					NF-40289-5	
1NE-52	SEISMIC/RELAY	INDICATING	INDICATING	Y	X					NF-40289-5	
1NM-51	SEISMIC	INDICATING	INDICATING	Y	X					NF-40289-5	
1NM-52	SEISMIC	INDICATING	INDICATING	Y	X					NF-40289-5	
1NR3	SEISMIC	INTACT	INTACT	N					X		
1NR4	SEISMIC	INTACT	INTACT	N					X		
153-011	SEISMIC	INTACT	INTACT	N		X	X			XH-1-7	
1RCS1	SEISMIC	INTACT	INTACT	N					X		
1RCS2	SEISMIC	INTACT	INTACT	N					X		
RC-10-1	SEISMIC	CLOSED	CLOSED	N			X			XH-1-7	
RC-10-2	SEISMIC	CLOSED	CLOSED	N			X			XH-1-7	
1PLP	SEISMIC	INTACT	INTACT	N					X		
1-52/RTA	SEISMIC/RELAY	CLOSED	OPEN (FO)	N	X					NF-40288-8	
1-52/RTB	SEISMIC/RELAY	CLOSED	OPEN (FO)	N	X					NF-40288-8	
1AMR1	SEISMIC	INTACT	INTACT	N					X		
1ASG1	SEISMIC	INTACT	INTACT	N					X		
1ASG2	SEISMIC	INTACT	INTACT	N					X		
1B1	SEISMIC	INTACT	INTACT	N					X		
1B2	SEISMIC	INTACT	INTACT	N					X		
1BSG1	SEISMIC	INTACT	INTACT	N					X		
1BSG2	SEISMIC	INTACT	INTACT	N					X		
1LT-428	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-428	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1PT-429	SEISMIC/RELAY	INDICATING	INDICATING	Y			X			XH-1-7	
1PT-431	SEISMIC/RELAY	INDICATING	INDICATING	Y			X			XH-1-7	
1PT-488	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39218	

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
UTSSEL	RP	18	1PT-478	12 STM GEN LOOP B (CHNL IH-BLU) P XMTR	AUX	720	ON EAST SIDE COL J.1/5.9	
UTSSEL	RP	20	1R1	PROCESS PROTECTION RACK 1R1	AUX	735	CONTROL ROOM	
UTSSEL	RP	20	1R2	PROCESS PROTECTION RACK 1R2	AUX	735	CONTROL ROOM	
UTSSEL	RV	8	SV-37035	RCS VENT SYS PRZR VENT SV	CNTMT	780	IN 1" LINE 40/10	
UTSSEL	RV	8	SV-37036	RCS VENT SYS PRZR VENT SV	CNTMT	780	IN 1" LINE 40/10	
UTSSEL	RV	8	SV-37037	RCS VENT SYS REACTOR HEAD VENT SV	CNTMT	780	IN 1" LINE 40/10	
UTSSEL	RV	8	SV-37038	RCS VENT SYS REACTOR HEAD VENT SV	CNTMT	780	IN 1" LINE 40/10	
UTSSEL	RV	8	SV-37039	RCS VENT SYS TO PRT SV	CNTMT	780	IN 1" LINE 40/10	
UTSSEL	RV	8	SV-37040	RCS VENT SYS TO CNTMT ATMOS SV	CNTMT	780	IN 1" LINE 40/10	
UTSSEL	SA	7	SA-54-3	D1 DSL GEN MAIN AIR RCVR RELIEF	TURB	695		
UTSSEL	SA	7	SA-54-6	D2 DSL GEN MAIN AIR RCVR RELIEF	TURB	695		
UTSSEL	SF	21	153-001	RFLG WTR STG TK	AUX	695	J.0/3.6	
UTSSEL	VC	21	135-021	11 RCP SEAL WATER RETURN HEAT EXCHANGER	AUX	715	K.3/2.0	
UTSSEL	VC	21	135-111	REGEN HX	CNTMT	695	10/220	
UTSSEL	VC	5	145-041	11 CHG PUMP	AUX	695	H.5/0.6	
UTSSEL	VC	5	145-042	12 CHG PUMP	AUX	695	H.5/7.0	
UTSSEL	VC	21	1F3-021	11 VOLUME CONTROL TANK	AUX	715	H.7/0.9	
UTSSEL	VC	19	1F1-158	11 REAC CLNT PMP SL WTR INJ FI	AUX	720	ON N SIDE WALL L.5/7.0	
UTSSEL	VC	19	1F1-108	12 REAC CLNT PMP SL WTR INJ FI	AUX	720	ON N SIDE WALL L.5/7.0	
UTSSEL	VC	18	1L1-112	11 VOL CONT TANK LVL XMTR	AUX	720		
UTSSEL	VC	7	CV-31228	1 REAC CLNT LOOP PRZR LTDN LN ISOL LCV A	CNTMT	705	IN 2" LINE 27/311	
UTSSEL	VC	7	CV-31255	1 REAC CLNT LOOP PRZR LTDN LN ISOL LCV B	CNTMT	705	IN 2" LINE 28/259	
UTSSEL	VC	8	MV-32060	RFLG WTR EMERG MK-UP TO CHG PMP'S MV	AUX	689	IN 4" LINE H.9/0.9	
UTSSEL	VC	8	MV-32061	11 VCT OUTLET TO CHG PUMP SUCT HEADER MV	AUX	707	IN 4" LINE H.9/0.9	
UTSSEL	VC	8	MV-32106	1 REAC EXCS LTDN LINE ISOL MV A	AUX	720	IN 3" LINE L.5/0.8	
UTSSEL	VC	8	MV-32109	1 RCP SEAL RETURN EXCESS LETDOWN ISOL TRN B MV	CNTMT	720	IN 3" LINE L.5/0.8	
UTSSEL	VC	7	VC-24-1	11 VOLUME CONTROL TANK RELIEF	AUX	735	IN 3" LINE 1/273	
UTSSEL	VC	7	VC-25-1	RC PUMPS DISCH LINE TO SEAL WTR FILTER - RELIEF	CNTMT	708		
UTSSEL	VC	7	VC-25-2	LETDOWN LINE TO VOLUME CONTROL TANK INLET - RLF	AUX	719		

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SSEL COMPONENT ID	SOUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	BX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
IPT-478	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-38218	
1R1	SEISMIC	INTACT	INTACT	N					X		
1R2	SEISMIC	INTACT	INTACT	N					X		
SV-37035	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37036	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37037	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37038	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37039	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37040	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SA-54-3	SEISMIC	CLOSED	CLOSED	N					X	NF-38255-1	
SA-54-8	SEISMIC	CLOSED	CLOSED	N					X	NF-38255-1	
153-081	SEISMIC	INTACT	INTACT	N	X	X				XH-1-45	
135-021	SEISMIC	INTACT	INTACT	N	X	X	X			XH-1-38	
135-111	SEISMIC	INTACT	INTACT	N	X	X	X			XH-1-38	
145-041	SEISMIC/RELAY	ON	ON	Y	X	X	X			XH-1-38	NF-40784
145-042	SEISMIC/RELAY	ON	ON	Y	X	X	X			XH-1-38	NF-40784
153-021	SEISMIC	INTACT	INTACT	N	X	X	X			XH-1-38	
1FI-115B	SEISMIC	INDICATING	INDICATING	N	X	X	X			XH-1-38	
1FI-118B	SEISMIC	INDICATING	INDICATING	N	X	X	X			XH-1-38	
1LT-112	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X	X			XH-1-38	NF-40784
CV-31226	SEISMIC/RELAY	OPEN	CLOSED(FC)	N	X	X	X			XH-1-38	NF-40784
CV-31255	SEISMIC/RELAY	OPEN	CLOSED(FC)	N	X	X	X			XH-1-38	NF-40784
MV-32080	SEISMIC/RELAY	CLOSED	OPEN	Y	X	X	X			XH-1-38	NF-40784
MV-32081	SEISMIC/RELAY	OPEN	CLOSED	Y	X	X	X			XH-1-38	NF-40784
MV-32188	SEISMIC/RELAY	OPEN	OPERABLE	Y	X	X	X			XH-1-38	NF-40784
MV-32189	SEISMIC/RELAY	OPEN	OPERABLE	Y	X	X	X			XH-1-38	NF-40784
VC-24-1	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1-38	
VC-25-1	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1-38	
VC-25-2	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1-38	

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	VC	7	VC-28-1	11 CHG PMP DISCH RELIEF	AUX	689		
U1SSEL	VC	7	VC-28-2	12 CHG PMP DISCH RELIEF	AUX	689		
U1SSEL	ZC	10	174-011	11 CNTM FAN COIL UNIT	CNTMT	711	20/50	
U1SSEL	ZC	10	174-012	12 CONTAINMENT FAN COIL UNIT	CNTMT	711	30/90	
U1SSEL	ZC	10	174-013	13 CNTM FAN COIL UNIT	CNTMT	755	8/310	
U1SSEL	ZC	10	174-014	14 CONTAINMENT FAN COIL UNIT	CNTMT	735	12/320	
U1SSEL	ZC	10	CD-34072	11 FCU DISCH TO CNTMT DOME CD	CNTMT	737	IN DUCT 14/73	
U1SSEL	ZC	10	CD-34073	11 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	741	IN DUCT 13/69	
U1SSEL	ZC	10	CD-34074	12 FCU DISCH TO CNTMT DOME CD	CNTMT	741	IN DUCT 17/128	
U1SSEL	ZC	10	CD-34075	12 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	741	IN DUCT 21/117	
U1SSEL	ZC	10	CD-34076	13 FCU DISCH TO CNTMT DOME CD	CNTMT	775	IN DUCT 10/510	
U1SSEL	ZC	10	CD-34077	13 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	779	IN DUCT 15/308	
U1SSEL	ZC	10	CD-34078	14 FCU DISCH TO CNTMT DOME CD	CNTMT	758	IN DUCT 8/332	
U1SSEL	ZC	10	CD-34079	14 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	762	IN DUCT 2/40	
U1SSEL	ZE	10	174-051	12 AUXILIARY FEEDWATER PUMP MOTOR FAN COIL UNIT	TURB	705	F.1/9.3	
U1SSEL	ZE	8	SV-33578	12 AUX FW PMP MTR UNIT CLR SV	TURB	705	IN 1" LINE F.1/9.1	
U1SSEL	ZG	9	032-911	121 D1 DIESEL GENERATOR EXHAUST FAN	TURB	715	JA.8/2.7	
U1SSEL	ZG	9	032-012	122 DIESEL GENERATOR ROOM EXHAUST FAN	TURB	715	JA.4/2.7	
U1SSEL	ZG	9	032-041	121 D1 DIESEL GENERATOR SUPPLY FAN	TURB	715	JA.8/2.4	
U1SSEL	ZG	9	032-042	122 D2 DIESEL GENERATOR SUPPLY FAN	TURB	715	JA.4/2.4	
U1SSEL	ZG	10	CD-34048	121/122 DSL GEN RM OUTS AIR CD	TURB	725	IN DUCT JA.5/1.0	
U1SSEL	ZG	8	SV-33498	2 DSL GEN RM OUTS AIR B TRN DMPR SV	TURB	725	ON W SIDE WALL JA.4/1.0	CD-34048
U1SSEL	ZG	8	SV-33987	D1 & D2 DSL GEN OUTSIDE AIR CD-34048 TRN A SV	TURB	725	ON W SIDE WALL JA.4/1.0	CD-34048
U1SSEL	ZX	7	CV-39401	11/13 FCU LOOP A CLG WTR SUPPLY CV	AUX	704	IN 10" LINE J.0/8.0	
U1SSEL	ZX	7	CV-39402	11/13 FCU CHILLED WTR SUPPLY CV	AUX	702	IN 10" LINE J.0/8.0	
U1SSEL	ZX	7	CV-39403	12/14 FCU CLG WTR SUPPLY CV	AUX	702	IN 10" LINE J.0/8.0	
U1SSEL	ZX	7	CV-39404	12/14 FCU CHILLED WTR SUPPLY CV	AUX	702	IN 10" LINE J.0/8.0	
U1SSEL	ZX	7	CV-39405	11 SHROUD CLG COILS TR A CHILLED WTR SUPPLY CV	CNTMT	749	IN 4" LINE 14.7/325	
U1SSEL	ZX	7	CV-39408	12 SHROUD CLG COILS TR B CHILLED WTR SUPPLY CV	CNTMT	725	IN 4" LINE 18.6/310	

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SSEL COMPONENT ID	SOUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
VC-28-1	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1-39	
VC-28-2	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1-39	
174-011	SEISMIC/RELAY	ON	ON	Y					X	NF-39216-4	NF-40755
174-012	SEISMIC/RELAY	ON	ON	Y					X	NF-39216-4	NF-40755
174-013	SEISMIC/RELAY	ON	ON	Y					X	NF-39216-4	NF-40755
174-014	SEISMIC/RELAY	ON	ON	Y					X	NF-39216-4	NF-40755
CD-34072	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39602-1	NF-40755
CD-34073	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39602-1	NF-40755
CD-34074	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39602-1	NF-40755
CD-34075	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39602-1	NF-40755
CD-34076	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39602-1	NF-40755
CD-34077	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39602-1	NF-40755
CD-34078	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39602-1	NF-40755
CD-34079	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39602-1	NF-40755
174-051	SEISMIC/RELAY	OFF	ON	Y				X	X	NF-39603-2	NF-40755
SV-33578	SEISMIC	DE-ENERGIZED	ENERGIZED	Y				X	X	NF-39603-2	NF-40755
032-011	SEISMIC/RELAY	OFF	ON	Y					X	NF-39601	NF-40326
032-012	SEISMIC/RELAY	OFF	ON	Y					X	NF-39601	NF-40326
032-041	SEISMIC/RELAY	OFF	ON	Y					X	NF-39603-1	NF-40326
032-042	SEISMIC/RELAY	OFF	ON	Y					X	NF-39601	NF-40326
CD-34049	SEISMIC/RELAY	CLOSED	OPEN (FO/AR)	N					X	NF-39601	NF-40326
SV-33469	SEISMIC	ENERGIZED	DE-ENERGIZED	N					X	NF-39601	NF-40326
SV-33987	SEISMIC	ENERGIZED	DE-ENERGIZED	N					X	NF-39601	NF-40326
CV-39401	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39601	NF-40326
CV-39402	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39216-3	NF-88186
CV-39403	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39216-3	NF-88186
CV-39404	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39216-3	NF-88186
CV-39405	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39216-4	NF-88186
CV-39406	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39216-4	NF-88186

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	ZX	7	CV-39409	12/14 FCU CLG WTR RETURN CV	AUX	704	IN 10" LINE J.Q/7.0	
U1SSEL	ZX	7	CV-39411	11/13 FCU CLG WTR RETURN CV	AUX	704	IN 10" LINE J.Q/7.0	
U1SSEL	ZX	8	SV-37460	UNIT 1 TRAIN A CHILL WTR/CLG WTR ISOL SV	CNTMT	749	13/330	
U1SSEL	ZX	8	SV-37461	UNIT 1 TRAIN B CHILL WTR/CLG WTR ISOL SV	CNTMT	728		
U1SSEL	ZX	8	SV-37462	UNIT 1 TRAIN A CHILL WTR/CLG WTR ISOL SV	AUX	704		
U1SSEL	ZX	8	SV-37463	UNIT 1 TRAIN B CHILL WTR/CLG WTR ISOL SV	AUX	702		
U2SSEL	AF	16	17701	22 AFP LO DISCH PRESS TRIP PS	TURB	700	ON W SIDE WALL F.8/9.5	
U2SSEL	AF	16	17705	22 AFP LO SUCT PRESS TRIP PS	TURB	700	ON W SIDE WALL F.8/9.5	
U2SSEL	AF	18	17778	21 AFP LO DISCH PRESS TRIP PS	TURB	700	ON N SIDE WALL G.Q/8.8	
U2SSEL	AF	18	17779	21 AFP LO SUCT PRESS TRIP PS	TURB	700	ON N SIDE WALL G.Q/8.8	
U2SSEL	AF	18	18037	AUX FW TO 21 STM GEN FI	AUX	695		
U2SSEL	AF	18	18038	AUX FW TO 22 STM GEN FI	AUX	695		
U2SSEL	AF	5	245-201	22 AUXILIARY FEEDWATER PUMP TURBINE DRIVEN	TURB	695	F.5/9.7	
U2SSEL	AF	5	245-331	21 AUXILIARY FEEDWATER PUMP MOTOR DRIVEN	TURB	695	F.5/9.8	
U2SSEL	AF	7	2AF-29-1	21 AUX FW PUMP SUCT RELIEF	TURB	695	F.5/9.6	
U2SSEL	AF	7	2AF-29-2	22 AUX FW PUMP SUCT RELIEF	TURB	695	F.5/9.7	
U2SSEL	AF	7	CV-31418	21 MD AUX FW PMP RCRC/LUBE OIL CLG CV	TURB	715		
U2SSEL	AF	7	CV-31419	22 TD AUX FW PMP RCRC/LUBE OIL CLG CV	TURB	715		
U2SSEL	AF	7	CV-31999	MAIN STEAM SUPPLY TO 22 TD AFW PUMP CV	TURB	667		
U2SSEL	AF	8	MV-32248	22 TD AUX FW TO 21 STM GEN MV	TURB	703	IN 3" LINE F.8/9.9	
U2SSEL	AF	8	MV-32384	21 AFW DSCH TO 22 STM GEN MV	TURB	703	IN 3" LINE F.8/9.5	
U2SSEL	BM	20	B-2	CONTROL PANEL B-2	AUX	735	CONTROL PANEL B-2	
U2SSEL	BM	20	C-2	CONTROL PANEL C-2	AUX	735	CONTROL ROOM	
U2SSEL	BM	20	D-2	CONTROL PANEL D-2	AUX	735	CONTROL ROOM	
U2SSEL	BM	20	E-2	CONTROL PANEL E-2	AUX	735	CONTROL ROOM	
U2SSEL	BM	20	F-2	CONTROL PANEL F-2	AUX	735	CONTROL ROOM	
U2SSEL	CL	7	2CL-57-3	21 CONTAINMENT FAN COIL UNITS - RELIEF VLV	AUX	715	28/270	
U2SSEL	CL	7	2CL-57-4	22 CONTAINMENT FAN COIL UNITS - RELIEF VLV	CNTMT	735	22/320	
U2SSEL	CL	7	2CL-57-5	23 CONTAINMENT FAN COIL UNITS - RELIEF VLV	AUX	715	12/15	



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SSEL COMPONENT ID	SQUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REG. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
CV-39409	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39218-3	NF-88188
CV-39411	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39218-3	NF-88188
SV-37460	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 8	NF-88188
SV-37461	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 8	NF-88188
SV-37462	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 8	NF-88188
SV-37463	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 8	NF-88188
17701	SEISMIC	INTACT	INTACT	N				X		NF-39223	NF-40767
17705	SEISMIC	INTACT	INTACT	N				X		NF-39223	NF-40767
17778	SEISMIC	INTACT	INTACT	N				X		NF-39223	NF-40767
17779	SEISMIC	INTACT	INTACT	N				X		NF-39223	NF-40767
18037	SEISMIC	INTACT	INTACT	N				X		NF-39223	NF-40767
18039	SEISMIC	INTACT	INTACT	N				X		NF-39223	NF-40767
245-201	SEISMIC	OFF	ON	N				X		NF-39223	NF-40767
245-331	SEISMIC/RELAY	OFF	ON	Y				X		NF-39223	NF-40767
2AF-29-1	SEISMIC	CLOSED	CLOSED	N				X		NF-39223	
2AF-29-2	SEISMIC	CLOSED	CLOSED	N				X		NF-39223	
CV-31418	SEISMIC/RELAY	CLOSED	OPEN (FO)	N				X		NF-39223	NF-40767
CV-31419	SEISMIC/RELAY	CLOSED	OPEN (FO)	N				X		NF-39223	NF-40767
CV-31998	SEISMIC/RELAY	CLOSED	OPEN (FO)	N				X		NF-39219	NF-40757
MV-32246	SEISMIC/RELAY	OPEN	CLOSED	Y				X		NF-39223	NF-40767
MV-32384	SEISMIC/RELAY	OPEN	CLOSED	Y				X		NF-39223	NF-40767
B-2	SEISMIC	INTACT	INTACT	N					X		
C-2	SEISMIC	INTACT	INTACT	N					X		
D-2	SEISMIC	INTACT	INTACT	N					X		
E-2	SEISMIC	INTACT	INTACT	N					X		
F-2	SEISMIC	INTACT	INTACT	N					X		
2CL-57-3	SEISMIC	CLOSED	CLOSED	N					X	NF-39217-3	
2CL-57-4	SEISMIC	CLOSED	CLOSED	N					X	NF-39217-3	
2CL-57-5	SEISMIC	CLOSED	CLOSED	N					X	NF-39217-3	

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	CL	7	2CL-57-8	24 CONTAINMENT FAN COIL UNITS - RELIEF VLV	CNTMT	735	14/10	
U2SSEL	CL	7	CV-39200	21 & 23 FCU CLG WTR RTN DRIF B-P CV	AUX	723	IN 10" LINE K.5/12.0	
U2SSEL	CL	7	CV-39202	22 & 24 FCU CLG WTR RTN DRIF B-P CV	AUX	738	IN 10" LINE J.7/12.0	
U2SSEL	CL	8	MV-32028	21 MD AFW PUMP SUCT CLG WTR SUPPLY MV	TURB	707	IN 4" LINE F.2/8.5	
U2SSEL	CL	8	MV-32030	22 TD AFW PUMP SUCT CLG WTR SUPPLY MV	TURB	707	IN 4" LINE F.2/8.7	
U2SSEL	CL	8	MV-32033	2 TURB BLDG CLG WTR HDR MV	TURB	710	IN 24" LINE B.8/8.9	
U2SSEL	CL	8	MV-32180	21 CC HX CLG WTR INLET MV	AUX	705	IN 12" LINE G.2/8.3	
U2SSEL	CL	8	MV-32181	22 CC HX CLG WTR INLET MV	AUX	704	IN 12" LINE G.3/8.7	
U2SSEL	D5	11	217-201	D5 1A L/O COOLER	D5/D8	885	G.4/17.3	
U2SSEL	D5	11	217-202	D5 1B L/O COOLER	D5/D8	885	G.8/17.3	
U2SSEL	D5	11	217-203	D5 2A L/O COOLER	D5/D8	885	G.8/17.8	
U2SSEL	D5	11	217-204	D5 2B L/O COOLER	D5/D8	885	G.4/17.8	
U2SSEL	D5	11	217-211	D5 ENG 1 GOV OIL COOLER	D5/D8	885	G.5/17.3	
U2SSEL	D5	11	217-212	D5 ENG 2 GOV OIL COOLER	D5/D8	885	G.5/17.7	
U2SSEL	D5	8	232-481	D5 ENG 1 HT/LT RADIATOR FAN 1	D5/D8	735	G.8/17.8	
U2SSEL	D5	8	232-482	D5 ENG 1 HT/LT RADIATOR FAN 2	D5/D8	735	G.8/17.7	
U2SSEL	D5	8	232-483	D5 ENG 2 HT/LT RADIATOR FAN 1	D5/D8	735	G.5/17.7	
U2SSEL	D5	8	232-484	D5 ENG 2 HT/LT RADIATOR FAN 2	D5/D8	735	G.5/17.8	
U2SSEL	D5	17	234-031	D5 DIESEL GENERATOR	D5/D8	885	G.8/17.4	
U2SSEL	D5	21	235-201	D5 ENG 1 L/O PREHEATING HEAT EXCHANGER	D5/D8	885	H.2/17.5	
U2SSEL	D5	21	235-202	D5 ENG 2 L/O PREHEATING HEAT EXCHANGER	D5/D8	885	H.2/17.8	
U2SSEL	D5	5	245-801	D5 ENG 1 ENG DRVN FO PUMP	D5/D8	385	G.5/17.3	
U2SSEL	D5	5	245-802	D5 ENG 2 ENG DRVN FO PUMP	D5/D8	885	G.5/17.7	
U2SSEL	D5	5	245-811	D5 ENG 1 FO BACKUP PUMP	D5/D8	885	H.2/17.5	
U2SSEL	D5	5	245-812	D5 ENG 2 FO BACKUP PUMP	D5/D8	885	H.2/17.8	
U2SSEL	D5	5	245-821	D5 1A ENG DRVN L/O PUMP	D5/D8	885	G.4/17.3	
U2SSEL	D5	5	245-822	D5 1B ENG DRVN L/O PUMP	D5/D8	885	G.8/17.3	
U2SSEL	D5	5	245-823	D5 2A ENG DRVN L/O PUMP	D5/D8	885	G.8/17.7	
U2SSEL	D5	5	245-824	D5 2B ENG DRVN L/O PUMP	D5/D8	885	G.4/17.7	

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SSEL COMPONENT ID	SQUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
2CL-57-6	SEISMIC	CLOSED	CLOSED	N					X	NF-39217-3	
CV-39200	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-40315
CV-39202	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-40315
MV-32026	SEISMIC/RELAY	CLOSED	OPEN	Y				X	X	NF-39216-2	NF-40767
MV-32030	SEISMIC/RELAY	CLOSED	OPEN	Y				X	X	NF-39217-1	NF-40767
MV-32033	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39217-1	NF-40315
MV-32160	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39217-2	NF-40315
MV-32161	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39217-2	NF-40315
217-201	IEEE 344	INTACT	INTACT	N					X	NF-118246	
217-202	IEEE 344	INTACT	INTACT	N					X	NF-118246	
217-203	IEEE 344	INTACT	INTACT	N					X	NF-118246	
217-204	IEEE 344	INTACT	INTACT	N					X	NF-118246	
217-211	IEEE 344	INTACT	INTACT	N					X	NF-118243	
217-212	IEEE 344	INTACT	INTACT	N					X	NF-118243	
232-461	IEEE 344	STANDBY	STANDBY	Y					X	NF-118242,3	NF-118848
232-462	IEEE 344	STANDBY	STANDBY	Y					X	NF-118242,3	NF-118848
232-463	IEEE 344	STANDBY	STANDBY	Y					X	NF-118242,3	NF-118848
232-464	IEEE 344	STANDBY	STANDBY	Y					X	NF-118242,3	NF-118848
234-031	IEEE 344	STANDBY	STANDBY	Y					X	NF-40002-4	NF-118853
235-201	IEEE 344	INTACT	INTACT	N					X	NF-118246	NF-118848
235-202	IEEE 344	INTACT	INTACT	N					X	NF-118246	NF-118848
245-901	IEEE 344	STANDBY	STANDBY	N					X	NF-118246	
245-902	IEEE 344	STANDBY	STANDBY	N					X	NF-118246	
245-911	IEEE 344	STANDBY	STANDBY	Y					X	NF-118246	NF-118845
245-912	IEEE 344	STANDBY	STANDBY	Y					X	NF-118246	NF-118845
245-921	IEEE 344	STANDBY	STANDBY	N					X	NF-118246	
245-922	IEEE 344	STANDBY	STANDBY	N					X	NF-118246	
245-923	IEEE 344	STANDBY	STANDBY	N					X	NF-118246	
245-924	IEEE 344	STANDBY	STANDBY	N					X	NF-118246	

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	D5	5	245-931	D5 ENG 1 AC PRELUBE PUMP	D5/D6	895	H.2/17.5	
U2SSEL	D5	5	245-932	D5 ENG 2 AC PRELUBE PUMP	D5/D6	895	H.2/17.6	
U2SSEL	D5	5	245-941	D5 ENG 1 DC BU PRELUBE PUMP	D5/D6	895	H.2/17.5	
U2SSEL	D5	5	245-942	D5 ENG 2 DC BU PRELUBE PUMP	D5/D6	895	H.2/17.6	
U2SSEL	D5	5	245-971	D5 ENG 1 ENG DRVN HT CLNT PUMP	D5/D6	895	G.5/17.3	
U2SSEL	D5	5	245-972	D5 ENG 2 ENG DRVN HT CLNT PUMP	D5/D6	895	G.5/17.7	
U2SSEL	D5	5	245-981	D5 ENG 1 ENG DRVN LT CLNT PUMP	D5/D6	895	G.5/17.3	
U2SSEL	D5	5	245-982	D5 ENG 2 ENG DRVN LT CLNT PUMP	D5/D6	895	G.5/17.7	
U2SSEL	D5	5	245-991	D5 ENG 1 HT CLNT PREHTR CIRC PUMP	D5/D6	895	H.2/17.5	
U2SSEL	D5	5	245-992	D5 ENG 2 HT CLNT PREHTR CIRC PUMP	D5/D6	895	H.2/17.6	
U2SSEL	D5	21	246-031	D5 1A START AIR RECEIVER	D5/D6	895	H.3/17.4	
U2SSEL	D5	21	246-032	D5 1B START AIR RECEIVER	D5/D6	895	H.3/17.4	
U2SSEL	D5	21	246-033	D5 2A START AIR RECEIVER	D5/D6	895	H.3/17.6	
U2SSEL	D5	21	246-034	D5 2B START AIR RECEIVER	D5/D6	895	H.3/17.6	
U2SSEL	D5	21	247-021	D5 ENG 1 HT CLNT PREHEATER	D5/D6	895	H.2/17.5	
U2SSEL	D5	21	247-022	D5 ENG 2 HT CLNT PREHEATER	D5/D6	895	H.2/17.6	
U2SSEL	D5	21	253-371	D5 ENG 1 FO LEAKAGE TANK	D5/D6	895	G.7/17.4	
U2SSEL	D5	21	253-372	D5 ENG 2 FO LEAKAGE TANK	D5/D6	895	G.7/17.6	
U2SSEL	D5	21	253-401	D5 ENG 1 HT EXPANSION TANK	D5/D6	735	G.7/17.5	
U2SSEL	D5	21	253-402	D5 ENG 2 HT EXPANSION TANK	D5/D6	735	H.2/17.6	
U2SSEL	D5	21	253-411	D5 ENG 1 LT EXPANSION TANK	D5/D6	735	G.4/17.5	
U2SSEL	D5	21	253-412	D5 ENG 2 LT EXPANSION TANK	D5/D6	735	H.2/17.7	
U2SSEL	D5	21	282-441	D5 ENG 1 HT/LT RADIATOR	D5/D6	735	H.0/17.6	
U2SSEL	D5	21	282-442	D5 ENG 2 HT/LT RADIATOR	D5/D6	735	G.3/17.6	
U2SSEL	D5	10	286-011	D5 1A INBOARD AIR AFTERCOOLER	D5/D6	895	G.4/17.4	
U2SSEL	D5	10	286-012	D5 1B INBOARD AIR AFTERCOOLER	D5/D6	895	G.6/17.4	
U2SSEL	D5	10	286-013	D5 2A INBOARD AIR AFTERCOOLER	D5/D6	895	G.6/17.6	
U2SSEL	D5	10	286-014	D5 2B INBOARD AIR AFTERCOOLER	D5/D6	895	G.4/17.6	
U2SSEL	D5	10	286-021	D5 1A OBRD AIR AFTERCOOLER	D5/D6	895	G.4/17.3	

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SSEL COMPONENT ID	SOUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
245-931	IEEE 344	STANDBY	STANDBY	Y					X	NF-118246	NF-118848
245-932	IEEE 344	STANDBY	STANDBY	Y					X	NF-118248	NF-118848
245-941	IEEE 344	STANDBY	STANDBY	Y					X	NF-118246	NF-118848
245-942	IEEE 344	STANDBY	STANDBY	Y					X	NF-118248	NF-118848
245-971	IEEE 344	STANDBY	STANDBY	N					X	NF-118242	
245-972	IEEE 344	STANDBY	STANDBY	N					X	NF-118242	
245-981	IEEE 344	STANDBY	STANDBY	N					X	NF-118243	
245-982	IEEE 344	STANDBY	STANDBY	N					X	NF-118243	
245-991	IEEE 344	STANDBY	STANDBY	Y					X	NF-118242	NF-118848
245-992	IEEE 344	STANDBY	STANDBY	Y					X	NF-118242	NF-118848
246-031	IEEE 344	INTACT	INTACT	N					X	NF-118250	
246-032	IEEE 344	INTACT	INTACT	N					X	NF-118250	
246-033	IEEE 344	INTACT	INTACT	N					X	NF-118250	
246-034	IEEE 344	INTACT	INTACT	N					X	NF-118250	
247-021	IEEE 344	INTACT	INTACT	Y					X	NF-118242	NF-118848
247-022	IEEE 344	INTACT	INTACT	Y					X	NF-118242	NF-118848
253-371	IEEE 344	INTACT	INTACT	N					X	NF-118248	NF-118845
253-372	IEEE 344	INTACT	INTACT	N					X	NF-118248	NF-118845
253-401	IEEE 344	INTACT	INTACT	N					X	NF-118242	
253-402	IEEE 344	INTACT	INTACT	N					X	NF-118242	
253-411	IEEE 344	INTACT	INTACT	N					X	NF-118243	
253-412	IEEE 344	INTACT	INTACT	N					X	NF-118243	
262-441	IEEE 344	INTACT	INTACT	N					X	NF-118242	
262-442	IEEE 344	INTACT	INTACT	N					X	NF-118242	
268-011	IEEE 344	INTACT	INTACT	N					X	NF-118243	
268-012	IEEE 344	INTACT	INTACT	N					X	NF-118243	
268-013	IEEE 344	INTACT	INTACT	N					X	NF-118243	
268-014	IEEE 344	INTACT	INTACT	N					X	NF-118243	
268-021	IEEE 344	INTACT	INTACT	N					X	NF-118243	

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	D5	10	266-022	D5 1B 0BRD AIR AFTERCOOLER	D5D08	695	G.8/17.3	
U2SSEL	D5	10	266-023	D5 2A 0BRD AIR AFTERCOOLER	D5D08	695	G.8/17.7	
U2SSEL	D5	10	266-024	D5 2B 0BRD AIR AFTERCOOLER	D5D08	695	G.4/17.4	
U2SSEL	D5	0	268-361	D5 ENG 1 COMBUSTION AIR FILTER	D5D08	718	G.8/17.5	
U2SSEL	D5	0	269-362	D5 ENG 2 COMBUSTION AIR FILTER	D5D08	716	G.4/17.8	
U2SSEL	D5	0	278-011	D5 ENG 1 EXHAUST SILENCER	D5D08	707	G.2/17.0	
U2SSEL	D5	0	278-012	D5 ENG 2 EXHAUST SILENCER	D5D08	707	H.3/17.5	
U2SSEL	D5	0	50000	D5 DSL GEN BENCHMARK	D5D08	695	H.0/17.1	
U2SSEL	D5	0	50200	D5 DSL GEN VERTICAL PANEL	D5D08	695	H.0/16.9	
U2SSEL	D5	0	56320	D5 DSL GEN ENG 1 AUX DESK	D5D08	695	H.0/17.3	
U2SSEL	D5	0	55420	D5 DSL GEN ENG 2 AUX DESK	D5D08	695	H.0/17.5	
U2SSEL	D5	4	GRD/05	D5 DSL GEN NEUT GROUNDING TRANSFORMER	D5D08	695	D5 EXCITATION PNL	D5EXC PNL
U2SSEL	D6	11	217-205	D6 1A LJO COOLER	D5D08	695	J.2/17.8	
U2SSEL	D6	11	217-206	D6 1B LJO COOLER	D5D08	695	H.8/17.8	
U2SSEL	D6	11	217-207	D6 2A LJO COOLER	D5D08	695	H.8/17.3	
U2SSEL	D6	11	217-208	D6 2B LJO COOLER	D5D08	695	J.2/17.3	
U2SSEL	D6	11	217-213	D6 ENG 1 GOV OIL COOLER	D5D08	695	J.0/17.7	
U2SSEL	D6	11	217-214	D6 ENG 2 GOV OIL COOLER	D5D08	695	J.0/17.3	
U2SSEL	D6	8	232-465	D6 ENG 1 HTLT RADIATOR FAN 1	D5D08	735	J.2/17.8	
U2SSEL	D6	8	232-466	D6 ENG 1 HTLT RADIATOR FAN 2	D5D08	735	J.2/17.7	
U2SSEL	D6	9	232-467	D6 ENG 2 HTLT RADIATOR FAN 1	D5D08	735	H.8/17.7	
U2SSEL	D6	9	232-468	D6 ENG 2 HTLT RADIATOR FAN 2	D5D08	735	H.8/17.8	
U2SSEL	D6	17	234-032	D6 DIESEL GENERATOR	D5D08	695	J.1/17.4	
U2SSEL	D6	21	235-203	D6 ENG 1 LJO PREHEATING HEAT EXCHANGER	D5D08	695	H.7/17.6	
U2SSEL	D6	21	235-204	D6 ENG 2 LJO PREHEATING HEAT EXCHANGER	D5D08	695	H.7/17.5	
U2SSEL	D6	5	245-903	D6 ENG 1 ENG DRWN FO PUMP	D5D08	695	J.0/17.3	
U2SSEL	D6	5	245-904	D6 ENG 2 ENG DRWN FO PUMP	D5D08	695	J.0/17.7	
U2SSEL	D6	5	245-913	D6 ENG 1 FO BACKUP PUMP	D5D08	695	H.7/17.6	
U2SSEL	D6	5	245-814	D6 ENG 2 FO BACKUP PUMP	D5D08	695	H.7/17.5	

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SSEL COMPONENT ID	SOUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
288-022	IEEE 344	INTACT	INTACT	N					X	NF-118243	
288-023	IEEE 344	INTACT	INTACT	N					X	NF-118243	
288-024	IEEE 344	INTACT	INTACT	N					X	NF-118243	
289-301	IEEE 344	INTACT	INTACT	N					X	NF-118240	
289-302	IEEE 344	INTACT	INTACT	N					X	NF-118240	
278-011	IEEE 344	INTACT	INTACT	N					X	NF-118240	
278-012	IEEE 344	INTACT	INTACT	N					X	NF-118240	
50006	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
50200	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
55320	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
55420	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
GRD/05	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
217-205	IEEE 344	INTACT	INTACT	N					X	NF-118247	
217-206	IEEE 344	INTACT	INTACT	N					X	NF-118247	
217-207	IEEE 344	INTACT	INTACT	N					X	NF-118247	
217-208	IEEE 344	INTACT	INTACT	N					X	NF-118247	
217-213	IEEE 344	INTACT	INTACT	N					X	NF-118245	
217-214	IEEE 344	INTACT	INTACT	N					X	NF-118245	
232-465	IEEE 344	STANDBY	STANDBY	Y					X	NF-118244,5	NF-118849
232-466	IEEE 344	STANDBY	STANDBY	Y					X	NF-118244,5	NF-118848
232-467	IEEE 344	STANDBY	STANDBY	Y					X	NF-118244,5	NF-118848
232-468	IEEE 344	STANDBY	STANDBY	Y					X	NF-118244,5	NF-118848
234-032	IEEE 344	STANDBY	STANDBY	Y					X	NF-40002-4	NF-118853
235-203	IEEE 344	INTACT	INTACT	N					X	NF-118247	NF-118848
235-204	IEEE 344	INTACT	INTACT	N					X	NF-118247	NF-118848
245-903	IEEE 344	STANDBY	STANDBY	N					X	NF-118248	
245-904	IEEE 344	STANDBY	STANDBY	N					X	NF-118248	
245-913	IEEE 344	STANDBY	STANDBY	Y					X	NF-118248	NF-118845
245-914	IEEE 344	STANDBY	STANDBY	Y					X	NF-118248	NF-118845

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	D6	5	245-825	D6 1B ENG DRVN L/O PUMP	05/D6	895	J.1/17.7	
U2SSEL	D6	5	245-826	D6 1B ENG DRVN L/O PUMP	05/D6	895	H.8/17.7	
U2SSEL	D6	5	245-827	D6 2A ENG DRVN L/O PUMP	05/D6	895	H.9/17.3	
U2SSEL	D6	5	245-828	D6 2B ENG DRVN L/O PUMP	05/D6	895	J.1/17.3	
U2SSEL	D6	5	245-833	D6 ENG 1 AC PRELUBE PUMP	05/D6	895	H.7/17.8	
U2SSEL	D6	5	245-834	D6 ENG 2 AC PRELUBE PUMP	05/D6	895	H.7/17.5	
U2SSEL	D6	5	245-843	D6 ENG 1 DC BU PRELUBE PUMP	05/D6	895	H.7/17.8	
U2SSEL	D6	5	245-844	D6 ENG 2 DC BU PRELUBE PUMP	05/D6	895	H.7/17.5	
U2SSEL	D6	5	245-873	D6 ENG 1 ENG DRVN HT CLNT PUMP	05/D6	895	J.0/17.7	
U2SSEL	D6	5	245-874	D6 ENG 2 ENG DRVN HT CLNT PUMP	05/D6	895	J.0/17.3	
U2SSEL	D6	5	245-883	D6 ENG 1 ENG DRVN LT CLNT PUMP	05/D6	895	J.0/17.7	
U2SSEL	D6	5	245-884	D6 ENG 2 ENG DRVN LT CLNT PUMP	05/D6	895	J.0/17.3	
U2SSEL	D6	5	245-893	D6 ENG 1 HT CLNT PREHTR CIRC PUMP	05/D6	895	H.7/17.8	
U2SSEL	D6	5	245-894	D6 ENG 2 HT CLNT PREHTR CIRC PUMP	05/D6	895	H.7/17.5	
U2SSEL	D6	21	248-035	D6 1A START AIR RECEIVER	05/D6	895	H.4/17.8	
U2SSEL	D6	21	248-036	D6 1B START AIR RECEIVER	05/D6	895	H.4/17.8	
U2SSEL	D6	21	248-037	D6 2A START AIR RECEIVER	05/D6	895	H.4/17.4	
U2SSEL	D6	21	248-038	D6 2B START AIR RECEIVER	05/D6	895	H.4/17.4	
U2SSEL	D6	21	247-023	D6 ENG 1 HT CLNT PREHEATER	05/D6	895	H.7/17.8	
U2SSEL	D6	21	247-024	D6 ENG 2 HT CLNT PREHEATER	05/D6	895	H.7/17.5	
U2SSEL	D6	21	253-373	D6 ENG 1 FO LEAKAGE TANK	05/D6	895	J.0/17.8	
U2SSEL	D6	21	253-374	D6 ENG 2 LEAKAGE TANK	05/D6	895	J.0/17.4	
U2SSEL	D6	21	253-403	D6 ENG 1 HT EXPANSION TANK	05/D6	735	H.4/17.7	
U2SSEL	D6	21	253-404	D6 ENG 2 HT EXPANSION TANK	05/D6	735	J.2/17.5	
U2SSEL	D6	21	253-413	D6 ENG 1 LT EXPANSION TANK	05/D6	735	H.4/17.8	
U2SSEL	D6	21	253-414	D6 ENG 2 LT EXPANSION TANK	05/D6	735	H.8/17.5	
U2SSEL	D6	21	282-443	D6 ENG 1 HT/LT RADIATOR	05/D6	735	J.2/17.8	
U2SSEL	D6	21	282-444	D6 ENG 2 HT/LT RADIATOR	05/D6	735	H.8/17.8	
U2SSEL	D6	10	286-015	D6 1A INBOGARD AIR AFTERCOOLER	05/D6	895	J.1/17.8	



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SSEL COMPONENT ID	SOUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
245-825	IEEE 344	STANDBY	STANDBY	N					X	NF-118247	
245-826	IEEE 344	STANDBY	STANDBY	N					X	NF-118247	
245-827	IEEE 344	STANDBY	STANDBY	N					X	NF-118247	
245-828	IEEE 344	STANDBY	STANDBY	N					X	NF-118247	
245-833	IEEE 344	STANDBY	STANDBY	Y					X	NF-118247	NF-118848
245-834	IEEE 344	STANDBY	STANDBY	Y					X	NF-118247	NF-118848
245-843	IEEE 344	STANDBY	STANDBY	Y					X	NF-118247	XH-118848
245-844	IEEE 344	STANDBY	STANDBY	Y					X	NF-118247	NF-11848
245-873	IEEE 344	STANDBY	STANDBY	N					X	NF-118244	
245-874	IEEE 344	STANDBY	STANDBY	N					X	NF-118244	
245-883	IEEE 344	STANDBY	STANDBY	N					X	NF-118245	
245-884	IEEE 344	STANDBY	STANDBY	N					X	NF-118245	
245-893	IEEE 344	STANDBY	STANDBY	Y					X	NF-118244	NF-118848
245-894	IEEE 344	STANDBY	STANDBY	Y					X	NF-118244	NF-118848
248-035	IEEE 344	INTACT	INTACT	N					X	NF-118251	
248-036	IEEE 344	INTACT	INTACT	N					X	NF-118251	
248-037	IEEE 344	INTACT	INTACT	N					X	NF-118251	
248-038	IEEE 344	INTACT	INTACT	N					X	NF-118251	
247-023	IEEE 344	INTACT	INTACT	Y					X	NF-118244	NF-118848
247-024	IEEE 344	INTACT	INTACT	Y					X	NF-118244	NF-118848
253-373	IEEE 344	INTACT	INTACT	N					X	NF-118248	NF-118845
253-374	IEEE 344	INTACT	INTACT	N					X	NF-118248	NF-118845
253-403	IEEE 344	INTACT	INTACT	N					X	NF-118244	
253-404	IEEE 344	INTACT	INTACT	N					X	NF-118244	
253-413	IEEE 344	INTACT	INTACT	N					X	NF-118245	
253-414	IEEE 344	INTACT	INTACT	N					X	NF-118245	
262-443	IEEE 344	INTACT	INTACT	N					X	NF-118244	
262-444	IEEE 344	INTACT	INTACT	N					X	NF-118244	
268-015	IEEE 344	INTACT	INTACT	N					X	NF-118245	

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	D8	10	288-016	D8 1B INBOARD AIR AFTERCOOLER	D5/D8	895	H.8/17.8	
U2SSEL	D8	10	288-017	D8 2A INBOARD AIR AFTERCOOLER	D5/D8	895	J.8/17.4	
U2SSEL	D8	10	288-018	D8 2B INBOARD AIR AFTERCOOLER	D5/D8	895	J.1/17.4	
U2SSEL	D8	10	288-025	D8 1A OBRD AIR AFTERCOOLER	D5/D8	895	J.1/17.7	
U2SSEL	D8	10	288-026	D8 1B OBRD AIR AFTERCOOLER	D5/D8	895	H.8/17.7	
U2SSEL	D8	10	288-027	D8 2A OBRD AIR AFTERCOOLER	D5/D8	895	H.8/17.3	
U2SSEL	D8	10	288-028	D8 2B OBRD AIR AFTERCOOLER	D5/D8	895	J.1/17.3	
U2SSEL	D8	0	288-303	D8 ENG 1 COMBUSTION AIR FILTER	D5/D8	718	J.2/17.8	
U2SSEL	D8	0	288-304	D8 ENG 2 COMBUSTION AIR FILTER	D5/D8	718	H.8/17.5	
U2SSEL	D8	0	278-013	D8 ENG 1 EXHAUST SILENCER	D5/D8	707	J.5/17.8	
U2SSEL	D8	0	278-014	D8 ENG 2 EXHAUST SILENCER	D5/D8	707	H.5/17.5	
U2SSEL	D8	0	55820	D8 DSL GEN ENG 1 AUX DESK	D5/D8	895	H.5/17.5	
U2SSEL	D8	0	55820	D8 DSL GEN ENG 2 AUX DESK	D5/D8	895	H.5/17.3	
U2SSEL	D8	0	80000	D8 DSL GEN BENCHBOARD	D5/D8	895	H.8/17.1	
U2SSEL	D8	0	80200	D8 DSL GEN VERTICAL PANEL	D5/D8	895	H.7/16.9	
U2SSEL	D8	4	GRD/D8	D8 DSL GEN NEUT GROUNDING TRANSFORMER	D5/D8	895	D8 EXCITATION PNL	D8/EXC PNL
U2SSEL	DC	15	21 BATT	21 BATTERY	TURB	895	21 BATT RM	
U2SSEL	DC	16	21 BATT CHG	21 BATTERY CHARGER	TURB	895	21 BATT RM	
U2SSEL	DC	15	22 BATT	22 BATTERY	TURB	895	22 BATT RM	
U2SSEL	DC	16	22 BATT CHG	22 BATTERY CHARGER	TURB	895	22 BATT RM	
U2SSEL	DC	14	PNL 21	DISTRIBUTION PANEL 21	TURB	895	C.8/9.2 21 BATTERY ROOM	
U2SSEL	DC	14	PNL 22	DC DISTRIBUTION PANEL 22	TURB	715		
U2SSEL	DC	14	PNL 25	NUCLEAR DISTRIBUTION PANEL 25	TURB	715	G.8/9.7	
U2SSEL	DC	14	PNL 251	DC DISTRIBUTION PANEL 251	AUX	715	J.8/13.0 NEAR MCC 2J1	
U2SSEL	DC	14	PNL 28	NUCLEAR DISTRIBUTION PANEL 28	AUX	715	G.5/8.5	
U2SSEL	DC	14	PNL 281	DC DISTRIBUTION PANEL 281	AUX	715	K.5/10.2 ENTRY TO VLV GALLERY	
U2SSEL	DC	14	PNL 282	DC DISTRIBUTION PANEL 282	AUX	715	K.8/11.5 NEAR MCC 2J2	
U2SSEL	DC	20	PNL 27	DISTRIBUTION PANEL 27	D5/D8	895	G.5/15.8 D5 INVERTER ROOM	
U2SSEL	DC	20	PNL 28	DISTRIBUTION PANEL 28	D5/D8	895	J.8/15.8 D8 INVERTER ROOM	

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SSEL COMPONENT ID	SQUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DN	SS	FLOW DIAG	LOGIC DIAG
288-016	IEEE 344	INTACT	INTACT	N					X	NF-118245	
288-017	IEEE 344	INTACT	INTACT	N					X	NF-118245	
288-018	IEEE 344	INTACT	INTACT	N					X	NF-118245	
288-025	IEEE 344	INTACT	INTACT	N					X	NF-118245	
288-026	IEEE 344	INTACT	INTACT	N					X	NF-118245	
288-027	IEEE 344	INTACT	INTACT	N					X	NF-118245	
288-028	IEEE 344	INTACT	INTACT	N					X	NF-118245	
288-303	IEEE 344	INTACT	INTACT	N					X	NF-118241	
288-304	IEEE 344	INTACT	INTACT	N					X	NF-118241	
278-013	IEEE 344	INTACT	INTACT	N					X	NF-118241	
278-014	IEEE 344	INTACT	INTACT	N					X	NF-118241	
55820	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
55920	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
80000	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
80200	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
GRD/DB	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
21 BATT	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
21 BATT CHG	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
22 BATT	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	
22 BATT CHG	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	
PNL 21	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
PNL 22	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	
PNL 25	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
PNL 251	SEISMIC	INTACT	INTACT	Y					X	NF-40418-3	
PNL 26	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	
PNL 261	SEISMIC	INTACT	INTACT	Y					X	NF-40418-3	
PNL 262	SEISMIC	INTACT	INTACT	Y					X	NF-40418-3	
PNL 27	SEISMIC	INTACT	INTACT	Y					X	NF-40547-1	
PNL 28	SEISMIC	INTACT	INTACT	Y					X	NF-40547-2	

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	E5	20	D5/EXC PNL	D5 DSL GEN EXCITATION PANEL SEVR	D5/D6	695		
U2SSEL	E5	20	D5/GND CAB	D5 DSL GEN GROUND CABINET	D5/D6	707		
U2SSEL	E5	20	D5/RTU	D5 DSL GEN REMOTE TERMINAL UNIT CABINET	D5/D6	695		
U2SSEL	E5	20	D5/RTV	D5 DSL GEN REMOTE TRANSMITTER & VIBRATION CABINET	D5/D6	695		
U2SSEL	E6	20	D6/EXC PNL	D6 DSL GEN EXCITATION PANEL SEVR	D5/D6	695		
U2SSEL	E6	20	D6/GND CAB	D6 DSL GEN GROUND CABINET	D5/D6	707		
U2SSEL	E6	20	D6/RTU	D6 DSL GEN REMOTE TERMINAL UNIT CABINET	D5/D6	695		
U2SSEL	E6	20	D6/RTV	D6 DSL GEN REMOTE TRANSMITTER & VIBRATION CABINET	D5/D6	695		
U2SSEL	EA	20	B25/AUX RELAY CAB	BUS 25 AUXILIARY RELAY CABINET	D5/D6	718	H.3/16.3	
U2SSEL	EA	20	B25/LOAD SEQ CAB	BUS 25 SAFEGUARDS LOAD SEQUENCER CABINET	D5/D6	718		
U2SSEL	EA	20	B26/AUX RELAY CAB	BUS 26 AUXILIARY RELAY CABINET	D5/D6	718	H.7/16.3	
U2SSEL	EA	20	B26/LOAD SEQ CAB	BUS 26 SAFEGUARDS LOAD SEQUENCER CABINET	D5/D6	718		
U2SSEL	EA	3	BUS 25	BUS 25 4.16KV SWITCHGEAR	D5/D6	718	G.8/13.0	
U2SSEL	EA	3	BUS 26	BUS 26 4.16KV SWITCHGEAR	D5/D6	718	J.2/16.C	
U2SSEL	EB	4	211M/XFMR	211M TRANSFORMER	D5/D6	735	BUS 211	BUS 211
U2SSEL	EB	4	212M/XFMR	212M TRANSFORMER	D5/D6	735	BUS 212	BUS 212
U2SSEL	EB	4	221M/XFMR	221M TRANSFORMER	D5/D6	735	BUS 221	BUS 221
U2SSEL	EB	4	222M/XFMR	222M TRANSFORMER	D5/D6	735	BUS 222	BUS 222
U2SSEL	EB	4	2PZRHTRA/XFMR	2 PRZR HTR GRP A TRANSFORMER	AUX	735	H.2/14.1/735AUX	
U2SSEL	EB	4	2PZRHTRB/XFMR	2 PRZR HTR GRP B TRANSFORMER	AUX	735	H.2/14.1/735AUX	
U2SSEL	EB	2	BUS 211	BUS 211 480V SWITCHGEAR	D5/D6	735	G.8/15.7 211 BUS ROOM	
U2SSEL	EB	2	BUS 212	BUS 212 480V SWITCHGEAR	D5/D6	735		
U2SSEL	EB	2	BUS 221	BUS 221 480V SWITCHGEAR	D5/D6	735	H.8/15.7 221 BUS ROOM	
U2SSEL	EB	2	BUS 222	BUS 222 480V SWITCHGEAR	D5/D6	735		
U2SSEL	EB	1	MCC 2A1	MOTOR CONTROL CENTER 2A BUS 1	TURB	695	F.5/8.3 12/22 AFW PUMP ROOM	
U2SSEL	EB	1	MCC 2A2	MOTOR CONTROL CENTER 2A BUS 2	TURB	695	F.5/8.3 12/22 AFW PUMP ROOM	
U2SSEL	EB	1	MCC 2AC1	MOTOR CONTROL CENTER 2AC BUS 1	TURB	695	C.5/8.5 21 BATTERY ROOM	
U2SSEL	EB	1	MCC 2AC2	MOTOR CONTROL CENTER 2AC BUS 2	TURB	695	D.5/8.5 22 BATTERY ROOM	
U2SSEL	EB	1	MCC 2K1	MOTOR CONTROL CENTER 2K BUS 1	AUX	695	G.2/12.2 NEAR RHR PIT	

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SSEL COMPONENT ID	SQUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
D5/EXC PNL	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
D5/GND CAB	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
D5/RTU	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
D5/RTV	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
D6/EXC PNL	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
D6/GND CAB	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
D6/RTU	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
D6/RTV	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	
B25/AUX RELAY CAB	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	NF-40019
B25/LOAD SEQ CAB	IEEE 344	INTACT	INTACT	Y					X	NF-40002-4	NF-40019
B26/AUX RELAY CAB	IEEE 344	INTACT	INTACT	N					X	NF-40002-4	NF-40019
B26/LOAD SEQ CAB	IEEE 344	INTACT	INTACT	Y					X	NF-40002-4	NF-40019
BUS 25	IEEE 344/RELAY	INTACT	INTACT	Y					X	NF-40002-5	NF-40019
BUS 26	IEEE 344/RELAY	INTACT	INTACT	Y					X	NF-40002-5	NF-40019
211M/XFMR	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
212M/XFMR	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
221M/XFMR	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
222M/XFMR	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
2PZRHTRA/XFMR	SEISMIC	INTACT	INTACT	Y			X		X	NF-40022-2	NF-40015
2PZRHTRB/XFMR	SEISMIC	INTACT	INTACT	Y			X		X	NF-40022-2	NF-40015
BUS 211	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
BUS 212	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
BUS 221	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
BUS 222	IEEE 344	INTACT	INTACT	Y					X	NF-40022-2	NF-40015
MCC 2A1	SEISMIC	INTACT	INTACT	Y					X	NF-40420	NF-40015
MCC 2A2	SEISMIC	INTACT	INTACT	Y					X	NF-40420	NF-40015
MCC 2AC1	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	NF-40015
MCC 2AC2	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	NF-40015
MCC 2K1	SEISMIC	INTACT	INTACT	Y					X	NF-40426	NF-40015

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	EB	1	MCC 2K2	MOTOR CONTROL CENTER 2K BUS 2	AUX	695	H.2/11.7 NEAR CHARGING PUMPS	
U2SSEL	EB	1	MCC 2L1	MOTOR CONTROL CENTER 2L BUS 1	AUX	715	J.2/12.8 NEAR PENET CAB 2134	
U2SSEL	EB	1	MCC 2L2	MOTOR CONTROL CENTER 2L BUS 2	AUX	715	J.5/11.7 NEAR 21 VCT ROOM	
U2SSEL	EB	1	MCC 2LA1	MOTOR CONTROL CENTER 2LA BUS 1	AUX	735	J.2/12.8 SOUTH OF STAIRS	
U2SSEL	EB	1	MCC 2LA2	MOTOR CONTROL CENTER 2LA BUS 2	AUX	735	H.7/12.2 EAST OF STAIRS	
U2SSEL	EB	1	MCC 2R1	MOTOR CONTROL CENTER 2R BUS 1 & 2	TURB	735	H.2/14.4 U2 ROD DRIVE RM	
U2SSEL	EB	1	MCC 2S1	MOTOR CONTROL CENTER 2S BUS 1	TURB	735	H.2/14.4 U2 ROD DRIVE RM	
U2SSEL	EB	1	MCC 2TA1	MOTOR CONTROL CENTER 2TA BUS 1	D5/D8	718	H.2/17.0 BUS 25 ROOM	
U2SSEL	EB	1	MCC 2TA2	MOTOR CONTROL CENTER 2TA BUS 2	D5/D8	718	J.5/17.0 BUS 26 ROOM	
U2SSEL	EB	1	MCC 2X1	MOTOR CONTROL CENTER 2X BUS 1	AUX	715	J.8/12.8 NEAR PENET CAB 2134	
U2SSEL	EB	1	MCC 2X2	MOTOR CONTROL CENTER 2X BUS 2	AUX	715	J.5/11.8 NEAR 21 VCT ROOM	
U2SSEL	ED	20	TB 2208	RELAY ROOM AUX RELAY CABINET	AUX	715	H/10	
U2SSEL	ED	0	TB 2222	RELAY ROOM TERMINAL BOX	AUX	715	H/10	
U2SSEL	ED	0	TB 2229	RELAY ROOM TERMINAL BOX	AUX	715	J/10	
U2SSEL	ED	20	TB 2480	TB FOR 21 CHARGING PUMP	CNTMT	695	H/11	
U2SSEL	ED	20	TB 2481	TB FOR 22 CHARGING PUMP	CNTMT	695	H/11	
U2SSEL	EM	20	2ICCM-PDA	ICCM U2 TRN A PLASMA DISPLAY	TURB	735	G.2/10.0 CONTROL ROOM	
U2SSEL	EM	20	2ICCM-PDB	ICCM U2 TRN B PLASMA DISPLAY	TURB	735	G.2/10.0 CONTROL ROOM	
U2SSEL	EM	18	2LE-751	21 RX VSL HEAD TRN A HIGH VOL SENSOR	CNTMT	738	ON NORTH POOL WALL 44/334	
U2SSEL	EM	18	2LE-753	21 RX VSL SEAL TABLE TRN A HIGH VOL SENSOR	CNTMT	729	ON N POLL SIDE WALL 40/347	
U2SSEL	EM	18	2LE-761	22 RX VSL HEAD TRN B HIGH VOL SENSOR	CNTMT	738	ON N POOL WALL 44/334	
U2SSEL	EM	18	2LE-763	22 RX VSL SEAL TABLE TRN B HIGH VOL SENSOR	CNTMT	729	ON N POOL WALL 40/347	
U2SSEL	EM	20	2LM-750	ICCM U2 TRN A MICROPROCESSOR 2LM-750	TURB	735	G.2/10.0 CONTROL ROOM	
U2SSEL	EM	20	2LM-760	ICCM U2 TRN B MICROPROCESSOR 2LM-760	TURB	735	G.2/10.0 CONTROL ROOM	
U2SSEL	EM	18	2LT-487	21 STM GEN LOOP A WR LVL XMTR	CNTMT	718	ON SHLD WALL 14/240	
U2SSEL	EM	18	2LT-488	22 STM GEN LOOP B WR LVL XMTR	CNTMT	718	ON SHLD WALL 10/80	
U2SSEL	EM	18	2LT-751	21 RX VSL HEAD UPPER RNG TRN A D/P XMTR	AUX	735	ON INSTR RACK J.5/13.4	
U2SSEL	EM	18	2LT-753	21 RX VSL HEAD DYNAMIC RNG TRN A D/P XMTR	AUX	735	ON INSTR RACK J.5/13.4	
U2SSEL	EM	18	2LT-761	22 RX VSL HEAD UPPER RNG TRN B D/P XMTR	AUX	735	ON INSTR RACK J.5/13.8	

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SSEL COMPONENT ID	SQUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
MCC 2K2	SEISMIC	INTACT	INTACT	Y					X	NF-40426	NF-40015
MCC 2L1	SEISMIC	INTACT	INTACT	Y					X	NF-40427	NF-40015
MCC 2L2	SEISMIC	INTACT	INTACT	Y					X	NF-40427	NF-40015
MCC 2LA1	SEISMIC	INTACT	INTACT	Y					X	NF-40427	NF-40015
MCC 2LA2	SEISMIC	INTACT	INTACT	Y					X	NF-40427	NF-40015
MCC 2R1	SEISMIC	INTACT	INTACT	Y					X	NF-40430	NF-40015
MCC 2S1	SEISMIC	INTACT	INTACT	Y					X	NF-40430	NF-40015
MCC 2TA1	SEISMIC	INTACT	INTACT	Y					X	NF-116749	NF-40015
MCC 2TA2	SEISMIC	INTACT	INTACT	Y					X	NF-116751	NF-40015
MCC 2X1	SEISMIC	INTACT	INTACT	Y					X	NF-40432	NF-40015
MCC 2X2	SEISMIC	INTACT	INTACT	Y					X	NF-40432	NF-40015
TB 2209	SEISMIC	INTACT	INTACT	N					X		
TB 2222	SEISMIC	INTACT	INTACT	N					X		
TB 2229	SEISMIC	INTACT	INTACT	N					X		
TB 2480	SEISMIC	INTACT	INTACT	N					X		
TB 2481	SEISMIC	INTACT	INTACT	N					X		
2ICCM-PDA	SEISMIC	INTACT	INTACT	N					X		
2ICCM-PDB	SEISMIC	INTACT	INTACT	N					X		
2LE-751	SEISMIC	INDICATING	INDICATING	N		X				XH-1001-3	
2LE-753	SEISMIC	INDICATING	INDICATING	N		X				XH-1001-3	
2LE-761	SEISMIC	INDICATING	INDICATING	N		X				XH-1001-3	
2LE-763	SEISMIC	INDICATING	INDICATING	N		X				XH-1001-3	
2LM-750	SEISMIC	INTACT	INTACT	N					X	XH-1001-3	
2LM-780	SEISMIC	INTACT	INTACT	N					X	XH-1001-3	
2LT-487	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39219	
2LT-488	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39219	
2LT-751	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2LT-753	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2LT-761	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	EM	18	2LT-763	22 RX VSL HEAD DYNAMIC RNG TRN B D/P XMTR	AUX	735	ON INSTR RACK J.5/13.8	
U2SSEL	EM	18	2LT-920	21 RWST LVL XMTR	AUX	700	ON W SIDE WALL J.3/13.8	
U2SSEL	EM	18	2LT-921	21 RWST LVL XMTR	AUX	700	ON W SIDE WALL J.3/13.8	
U2SSEL	EM	19	2TE-450A	2 RC LOOP A HOT LEG RTD	CNTMT	723	IN 28" LINE 31/223	
U2SSEL	EM	19	2TE-451A	2 RC LOOP B HOT LEG RTD	CNTMT	723	IN 28" LINE 28/78	
U2SSEL	EM	20	EM-A2	EVENT MONITORING RACK EM-A2	AUX	735	120 BUS RM	
U2SSEL	EM	20	EM-B2	EVENT MONITORING RACK EM-B2	AUX	735	220 BUS RM	
U2SSEL	EM	20	PNL 2EMA	DISTRIBUTION PANEL 2EMA	TURB	735	H.0/18.0 TRN A EVENT MON ROOM	
U2SSEL	EM	20	PNL 2EMB	DISTRIBUTION PANEL 2EMB	TURB	735	H.3/12.8 TRN B EVENT MON ROOM	
U2SSEL	EX	14	PNL 234	AC DISTRIBUTION PANEL 234	AUX	885	G.1/11.8 NEAR CHG PUMPS	
U2SSEL	EX	14	PNL 235	AC DISTRIBUTION PANEL 235	AUX	885	H.5/11.7 NEAR CHG PUMPS	
U2SSEL	FO	5	245-881	21 D5 FO STG TK XFER PUMP	D5/D8	887	H.2/17.8	
U2SSEL	FO	5	245-882	22 D8 FO STG TK XFER PUMP	D5/D8	887	H.4/17.8	
U2SSEL	FO	5	245-883	23 D5 FO STG TK XFER PUMP	D5/D8	887	H.1/17.8	
U2SSEL	FO	5	245-884	24 D8 FO STG TK XFER PUMP	D5/D8	887	H.5/17.8	
U2SSEL	FO	21	253-331	21 D5 FO STORAGE TANK	D5/D8	875	H.0/18.2 IN VAULT	
U2SSEL	FO	21	253-332	22 D8 FO STORAGE TANK	D5/D8	875	J.8/18.2 IN VAULT	
U2SSEL	FO	21	253-333	23 D5 FO STORAGE TANK	D5/D8	875	H.0/18.0 IN VAULT	
U2SSEL	FO	21	253-334	24 D8 FO STORAGE TANK	D5/D8	875	J.8/18.0 IN VAULT	
U2SSEL	FO	21	253-361	21 D5 FO DAY TANK	D5/D8	718	G.2/17.4	
U2SSEL	FO	21	253-362	22 D8 FO DAY TANK	D5/D8	718	J.4/17.4	
U2SSEL	IP	16	21 INV	21 INVERTER	TURB	885	21 BATT RM	
U2SSEL	IP	16	22 INV	22 INVERTER	TURB	885	22 BATT RM	
U2SSEL	IP	16	23 INV	23 INVERTER	TURB	885	21 BATT RM	
U2SSEL	IP	16	27 INV	27 INVERTER	TURB	885	21 BATT RM	
U2SSEL	IP	16	28 INV	28 INVERTER	TURB	885	22 BATT RM	
U2SSEL	IP	14	PNL 211	INSTRUMENT BUS II PANEL (WH) 211	TURB	715	G.1/9.7	
U2SSEL	IP	14	PNL 212	INSTRUMENT BUS I PANEL (RED) 212	TURB	715	G.4/9.2	
U2SSEL	IP	14	PNL 213	INSTRUMENT BUS III PANEL (BLU) 213	TURB	715	G.1/10.0	



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SSEL COMPONENT ID	SOUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
2LT-783	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2LT-820	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X				XH-1001-7	NF-40783
2LT-821	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X				XH-1001-7	NF-40783
2TE-450A	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		XH-1001-3	
2TE-451A	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		XH-1001-3	
EM-A2	SEISMIC	INTACT	INTACT	N					X		
EM-B2	SEISMIC	INTACT	INTACT	N					X		
PNL 2EMA	SEISMIC	INTACT	INTACT	Y					X	NF-94831-4	
PNL 2EMB	SEISMIC	INTACT	INTACT	Y					X	NF-94831-5	
PNL 234	SEISMIC	INTACT	INTACT	Y					X	NF-40417-2	
PNL 235	SEISMIC	INTACT	INTACT	Y					X	NF-40417-2	
245-881	IEEE 344	STANDBY	STANDBY ON	Y					X	NF-118252	NF-118845
245-882	IEEE 344	STANDBY	STANDBY ON	Y					X	NF-118252	NF-118845
245-883	IEEE 344	STANDBY	STANDBY	Y					X	NF-118252	NF-118845
245-884	IEEE 344	STANDBY	STANDBY ON	Y					X	NF-118252	NF-118845
253-331	IEEE 344	INTACT	INTACT	N					X	NF-118252	
253-332	IEEE 344	INTACT	INTACT	N					X	NF-118252	
253-333	IEEE 344	INTACT	INTACT	N					X	NF-118252	
253-334	IEEE 344	INTACT	INTACT	N					X	NF-118252	
253-381	IEEE 344	INTACT	INTACT	N					X	NF-118248	
253-382	IEEE 344	INTACT	INTACT	N					X	NF-118249	
21 INV	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
22 INV	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	
23 INV	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
27 INV	SEISMIC	INTACT	INTACT	Y					X	NF-94831-4	
28 INV	SEISMIC	INTACT	INTACT	Y					X	NF-94831-5	
PNL 211	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	
PNL 212	SEISMIC	INTACT	INTACT	Y					X	NF-40418-2	
PNL 213	SEISMIC	INTACT	INTACT	Y					X	NF-40418-1	

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	MP	20	24MR	24 MISCELLANEOUS RELAY RACK	AUX	735		
U2SSEL	MS	7	CV-31060	22 TD AFW PUMP TRIP THROTTLE CV	TURB	697		
U2SSEL	MS	7	CV-31102	21 STM GEN POWER OPERATED RELIEF CV	AUX	735		
U2SSEL	MS	7	CV-31107	22 STM GEN POWER OPERATED RELIEF CV	AUX	759		
U2SSEL	MS	7	CV-31116	21 LOOP A MN STM HDR ISOL CV	AUX	728		
U2SSEL	MS	7	CV-31117	22 LOOP A MN STM HDR ISOL CV	AUX	738		
U2SSEL	MS	7	RS-21-11	SAFETY VALVE HEADER STM GENERATOR 21	AUX	742		
U2SSEL	MS	7	RS-21-12	SAFETY VALVE HEADER STM GENERATOR 21	AUX	742		
U2SSEL	MS	7	RS-21-13	SAFETY VALVE HEADER STM GENERATOR 21	AUX	742		
U2SSEL	MS	7	RS-21-14	SAFETY VALVE HEADER STM GENERATOR 21	AUX	742		
U2SSEL	MS	7	RS-21-15	SAFETY VALVE HEADER STM GENERATOR 21	AUX	742		
U2SSEL	MS	7	RS-21-16	SAFETY VALVE HEADER STM GENERATOR 22	AUX	762		
U2SSEL	MS	7	RS-21-17	SAFETY VALVE HEADER STM GENERATOR 22	AUX	762		
U2SSEL	MS	7	RS-21-18	SAFETY VALVE HEADER STM GENERATOR 22	AUX	762		
U2SSEL	MS	7	RS-21-19	SAFETY VALVE HEADER STM GENERATOR 22	AUX	762		
U2SSEL	MS	7	RS-21-20	SAFETY VALVE HEADER STM GENERATOR 22	AUX	762		
U2SSEL	NI	0	2NE-51	EXCORE DETECTION TRN A DETECTOR ASSY	CNTMT	712		
U2SSEL	NI	0	2NE-52	EXCORE DETECTION TRN B DETECTOR ASSY	CNTMT	721		
U2SSEL	NI	18	2NM-51	EXCORE DETECTION TRN A AMPLIFIER	AUX	738		
U2SSEL	NI	18	2NM-52	EXCORE DETECTION TRN B AMPLIFIER	AUX	738		
U2SSEL	NI	20	2NR3	NUCLEAR INSTRUMENTATION RACK 2NR3	AUX	735	CONTROL ROOM	
U2SSEL	NI	20	2NR4	NUCLEAR INSTRUMENTATION RACK 2NR4	AUX	735	CONTROL ROOM	
U2SSEL	RC	21	253-011	21 PRESSURIZER RELIEF TANK	CNTMT	895	20/265	
U2SSEL	RC	7	2RC-10-1	PRESSURIZER RELIEF VALVE	CNTMT	736		
U2SSEL	RC	7	2RC-10-2	PRESSURIZER RELIEF VALVE	CNTMT	738		
U2SSEL	RC	20	2RCS1	PROCESS CONTROL RACK 2RCS1	AUX	735	CONTROL ROOM	
U2SSEL	RC	20	2RCS2	PROCESS CONTROL RACK 2RCS2	AUX	735	CONTROL ROOM	
U2SSEL	RE	20	2RPL	PROCESS CONTROL RACK 2RPL	AUX	735	CONTROL ROOM	
U2SSEL	RP	2	2-52(RTA	REACTOR TRIP BREAKER	AUX	735	U2 ROD DRIVE RM	

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SSEL COMPONENT ID	SGUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
24MR	SEISMIC	INTACT	INTACT	N					X		
CV-31090	SEISMIC	OPEN	OPERABLE	N				X		NF-39219	NF-40774
CV-31102	SEISMIC/RELAY	CLOSED	OPEN (FC)	N				X		NF-39219	NF-40774
CV-31107	SEISMIC/RELAY	CLOSED	OPEN (FC)	N				X		NF-39219	NF-40774
CV-31116	SEISMIC/RELAY	OPEN	CLOSED (FC AIR)	Y				X		NF-39219	NF-40774
CV-31117	SEISMIC/RELAY	OPEN	CLOSED (FC AIR)	Y				X		NF-39219	NF-40774
RS-21-11	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-12	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-13	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-14	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-15	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-16	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-17	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-18	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-19	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
RS-21-20	SEISMIC	CLOSED	CLOSED	N				X		NF-39219	
2NE-51	SEISMIC/RELAY	INDICATING	INDICATING	Y	X					NF-40819-5	
2NE-52	SEISMIC/RELAY	INDICATING	INDICATING	Y	X					NF-40819-5	
2NM-51	SEISMIC	INDICATING	INDICATING	Y	X					NF-40819-5	
2NM-52	SEISMIC	INDICATING	INDICATING	Y	X					NF-40819-5	
2NR3	SEISMIC	INTACT	INTACT	N					X		
2NR4	SEISMIC	INTACT	INTACT	N					X		
253-011	SEISMIC	INTACT	INTACT	N		X	X			XH-1001-3	
2RC-10-1	SEISMIC	CLOSED	CLOSED	N			X			XH-1001-3	
2RC-10-2	SEISMIC	CLOSED	CLOSED	N			X			XH-1001-3	
2RCS1	SEISMIC	INTACT	INTACT	N					X		
2RCS2	SEISMIC	INTACT	INTACT	N					X		
2PLP	SEISMIC	INTACT	INTACT	N					X		
2-52/RTA	SEISMIC/RELAY	CLOSED	OPEN (FO)	N	X					NF-40820-8	

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 Seismic Review SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	RP	2	2-52R7B	REACTOR TRIP BREAKER	AUX	735	U2 ROD DRIVE RM	
U2SSEL	RP	20	2AMR1	MISCELLANEOUS RELAY RACK 2AMR1	AUX	735		
U2SSEL	RP	20	2ASG1	SAFEGUARD RELAY RACK 2ASG1	AUX	735		
U2SSEL	RP	20	2ASG2	SAFEGUARD RELAY RACK 2ASG2	AUX	735		
U2SSEL	RP	20	2B1	PROCESS PROTECTION RACK 2B1	AUX	735	CONTROL ROOM	
U2SSEL	RP	20	2B2	PROCESS PROTECTION RACK 2B2	AUX	735	CONTROL ROOM	
U2SSEL	RP	20	2BSG1	SAFEGUARD RELAY RACK 2BSG1	AUX	715		
U2SSEL	RP	20	2BSG2	SAFEGUARD RELAY RACK 2BSG2	AUX	715		
U2SSEL	RP	16	2L1-426	2 REAC CLINT LOOP PRZR (CHNNL I-RED) LVL XMTR	CNTMT	720	ON N SIDE WALL 18/351	
U2SSEL	RP	16	2L1-428	2 REAC CLINT LOOP PRZR (CHNNL III-BLU/VI XMTR	CNTMT	720	ON W SIDE WALL 33/334	
U2SSEL	RP	18	2PT-429	2 REAC CLINT LOOP PRZR (CHNNL I-RED) P XMTR	CNTMT	720	ON N SIDE WALL 19/351	
U2SSEL	RP	16	2PT-431	2 REAC CLINT LOOP PRZR (CHNNL III-BLU) P XMTR	CNTMT	720	ON W SIDE WALL 33/334	
U2SSEL	RP	16	2PT-468	21 STM GEN MN STM HDR (CHNNL I-RED) P XMTR	AUX	735	CONTROL PANEL D-2	
U2SSEL	RP	18	2PT-478	22 STM GEN MN STM HDR (CHNNL III-BLU) P XMTR	AUX	735	CONTROL PANEL D-2	
U2SSEL	RP	20	2R1	PROCESS PROTECTION RACK 2R1	AUX	735	CONTROL ROOM	
U2SSEL	RP	20	2R2	PROCESS PROTECTION RACK 2R2	AUX	735	CONTROL ROOM	
U2SSCL	RV	8	SV-37061	RCS VENT SYS PRZR VENT SV	CNTMT	760	IN 1" LINE 28/330	
U2SSEL	RV	8	SV-37062	RCS VENT SYS PRZR VENT SV	CNTMT	760	IN 1" LINE 28/330	
U2SSEL	RV	8	SV-37063	RCS VENT SYS REACTOR HEAD VENT SV	CNTMT	760		
U2SSEL	RV	8	SV-37064	RCS VENT SYS REACTOR HEAD VENT SV	CNTMT	760		
U2SSEL	RV	8	SV-37065	RCS VENT SYS TO PRT SV	CNTMT	760		
U2SSEL	RV	8	SV-37066	RCS VENT SYS TO CNTMT ATMOS SV	CNTMT	760		
U2SSEL	SF	21	253-081	21 REFUELING WATER STORAGE TANK	AUX	715	J.0114.5	
U2SSEL	VC	21	235-111	21 REGENERATIVE HEAT EXCHANGER	AUX	695		
U2SSEL	VC	21	235-131	21 SEAL WATER HEAT EXCHANGER	AUX	715	K.5/10.0	
U2SSEL	VC	5	245-041	21 CHARGING PUMP	AUX	695	H.5/10.4	
U2SSEL	VC	5	245-042	22 CHARGING PUMP	AUX	695	H.5/11.0	
U2SSEL	VC	21	253-021	21 VOLUME CONTROL TANK	AUX	715	H.7/11.1	
U2SSEL	VC	20	2FI-115B	21 REAC CLINT PMP SL WTR INJ FI	AUX	720	ON S SIDE COL L.0/11.0	

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SSEL COMPONENT ID	SOUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
2-52/RTB	SEISMIC/RELAY	CLOSED	OPEN (FO)	N	X					NF-40820-6	
2AMR1	SEISMIC	INTACT	INTACT	N					X		
2ASG1	SEISMIC	INTACT	INTACT	N					X		
2ASG2	SEISMIC	INTACT	INTACT	N					X		
2B1	SEISMIC	INTACT	INTACT	N					X		
2B2	SEISMIC	INTACT	INTACT	N					X		
2BSG1	SEISMIC	INTACT	INTACT	N					X		
2BSG2	SEISMIC	INTACT	INTACT	N					X		
2LT-428	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2LT-428	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2PT-429	SEISMIC/RELAY	INDICATING	INDICATING	Y			X			XH-1001-3	
2PT-431	SEISMIC/RELAY	INDICATING	INDICATING	Y			X			XH-1001-3	
2PT-468	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39219	
2PT-478	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39219	
2R1	SEISMIC	INTACT	INTACT	N					X		
2R2	SEISMIC	INTACT	INTACT	N					X		
SV-37091	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37092	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37093	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37094	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37095	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37096	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
253-081	SEISMIC	INTACT	INTACT	N	X	X				XH-1001-7	
235-111	SEISMIC	INTACT	INTACT	N	X	X	X			XH-1001-4	
235-131	SEISMIC	INTACT	INTACT	N	X	X	X			XH-1001-5	
245-041	SEISMIC/RELAY	ON	ON	Y	X	X	X			XH-1001-5	NF-40784
245-042	SEISMIC/RELAY	ON	ON	Y	X	X	X			XH-1001-5	NF-40784
253-021	SEISMIC	INTACT	INTACT	N	X	X	X			XH-1001-5	
2FI-115B	SEISMIC	INDICATING	INDICATING	N	X	X	X			XH-1001-4	

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	VC	20	2FI-118B	22 REAC CLNT PMP SL WTR INJ FI	AUX	720	ON S SIDE COL L.0/11.0	
U2SSEL	VC	18	2LT-112	21 VOL CONT TNK LVL XMTR	AUX	720		
U2SSEL	VC	7	2VC-24-1	21 VOLUME CONTROL TANK RELIEF	AUX	735		
U2SSEL	VC	7	2VC-25-1	RCP SEAL RETURN/EXCESS LETDOWN RELIEF TO PRT	AUX	715		
U2SSEL	VC	7	2VC-25-2	LETDOWN LINE TO VCT INLET	AUX	715		
U2SSEL	VC	7	2VC-28-1	21 CHARGING PUMP DISCHARGE RELIEF	AUX	895		
U2SSEL	VC	7	2VC-28-2	22 CHARGING PUMP DISCHARGE RELIEF	AUX	898		
U2SSEL	VC	7	CV-31230	2 REAC CLNT LOOP PRZR LTDN LN ISOL CV A	CNTMT	705	IN 2" LINE GRID G28/4	
U2SSEL	VC	7	CV-31279	2 REAC CLNT LOOP PRZR LTDN LN ISOL CV B	CNTMT	705	IN 2" LINE GRID 32/4	
U2SSEL	VC	8	MV-32082	21 RWST TO CHG PUMP SUCT MV	AUX	899	IN 4" LINE H.9/10.8	
U2SSEL	VC	8	MV-32083	21 VCT OUTLET TO CHG PUMP SUCT HEADER MV	AUX	707	IN 4" LINE H.7/11.1	
U2SSEL	VC	8	MV-32194	2 REAC EXCS LTDN LINE ISOL MV A	AUX	720	IN 3" LINE L.5/11.2	
U2SSEL	VC	8	MV-32210	2 RCP SEAL RETURN/EXCESS LETDOWN ISOL TRN B MV	CNTMT	720	IN 3" LINE 1/88	
U2SSEL	ZC	10	274-011	21 CONTAINMENT FAN-COIL UNIT	CNTMT	715	28/270	
U2SSEL	ZC	10	274-012	22 CONTAINMENT FAN-COIL UNIT	CNTMT	715	22/320	
U2SSEL	ZC	10	274-013	23 CONTAINMENT FAN-COIL UNIT	CNTMT	733	12/15	
U2SSEL	ZC	10	274-014	24 CONTAINMENT FAN-COIL UNIT	CNTMT	756	14/10	
U2SSEL	ZC	10	CD-34080	21 FCU DISCH TO CNTMT DOME CD	CNTMT	737	IN DUCT 25/270	
U2SSEL	ZC	10	CD-34081	21 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	741	IN DUCT 28/270	
U2SSEL	ZC	10	CD-34082	22 FCU DISCH TO CNTMT DOME CD	CNTMT	742	IN DUCT 23/301	
U2SSEL	ZC	10	CD-34083	22 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	740	IN DUCT 27/286	
U2SSEL	ZC	10	CD-34084	23 FCU DISCH TO CNTMT DOME CD	CNTMT	783		
U2SSEL	ZC	10	CD-34085	23 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	781		
U2SSEL	ZC	10	CD-34086	24 FCU DISCH TO CNTMT DOME CD	CNTMT	777		
U2SSEL	ZC	10	CD-34087	24 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	778		
U2SSEL	ZE	10	274-051	21 AUXILIARY FEEDWATER PUMP MOTOR FAN-COIL UNIT	TURB	705		
U2SSEL	ZE	8	SV-33585	21 AUX FW PMP MTR UNIT CLR SV	TURB	705		
U2SSEL	ZG	9	232-421	21 D5 DSL RM COOLING FAN	D5/D8	895	G.8/17.8	
U2SSEL	ZG	9	232-422	22 D6 DSL RM COOLING FAN	D5/D8	895	H.8/17.8	

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SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
ZFI-116B	SEISMIC	INDICATING	INDICATING	N	X	X	X			XH-1001-4	
ZLI-112	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X	X			XH-1001-5	NF-40784
ZVC-24-1	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1001-5	
ZVC-25-1	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1001-4	
ZVC-25-2	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1001-5	
ZVC-28-1	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1001-5	
ZVC-28-2	SEISMIC	CLOSED	CLOSED	N	X	X	X			XH-1001-5	
CV-31230	SEISMIC/RELAY	OPEN	CLOSED(IFC)	N	X	X	X			XH-1001-3	NF-40784
CV-31278	SEISMIC/RELAY	OPEN	CLOSED(IFC)	N	X	X	X			XH-1001-3	NF-40784
MV-32082	SEISMIC/RELAY	CLOSED	OPEN	Y	X	X	X			XH-1001-5	NF-40784
MV-32083	SEISMIC/RELAY	OPEN	CLOSED	Y	X	X	X			XH-1001-5	NF-40784
MV-32194	SEISMIC/RELAY	OPEN	OPERABLE	Y	X	X	X			XH-1001-4	NF-40784
MV-32210	SEISMIC/RELAY	OPEN	OPERABLE	Y	X	X	X			XH-1001-4	NF-40784
274-011	SEISMIC/RELAY	ON	ON	Y	X	X	X			XH-1001-4	NF-40784
274-012	SEISMIC/RELAY	ON	ON	Y					X	NF-38217-3	NF-40780
274-013	SEISMIC/RELAY	ON	ON	Y					X	NF-38217-3	NF-40780
274-014	SEISMIC/RELAY	ON	ON	Y					X	NF-38217-3	NF-40780
CD-34080	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-38602-2	NF-40780
CD-34081	SEISMIC/RELAY	OPEN	CLOSED (FC AIR)	N					X	NF-38602-2	NF-40780
CD-34082	SEISMIC/RELAY	CLOSED	OPEN	N					X	NF-38602-2	NF-40780
CD-34083	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-38602-2	NF-40780
CD-34084	SEISMIC/RELAY	CLOSED	OPEN	N					X	NF-38602-2	NF-40780
CD-34085	SEISMIC/RELAY	OPEN	OPEN(FO)	N					X	NF-38602-2	NF-40780
CD-34086	SEISMIC/RELAY	CLOSED	CLOSED	N					X	NF-38602-2	NF-40780
CD-34087	SEISMIC/RELAY	OPEN	OPEN(FO)	N					X	NF-38602-2	NF-40780
274-051	SEISMIC/RELAY	OFF	CLOSED	N					X	NF-38602-2	NF-40780
SV-33565	SEISMIC	DE-ENERGIZED	ON	Y				X		NF-38603-2	NF-40758
232-421	IEEE 344	OFF	ON	Y				X		NF-38603-2	NF-40758
232-422	IEEE 344	OFF	ON	Y				X		NF-118254	NF-118881
									X	NF-118255	NF-118881

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APPLICABLE UNIT	PLANT SYSTEM	CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BSX
U2SSEL	ZG	0	232-441	21 D5 DSL GEN BLDG SPLY FAN	D5/D8	745	G.3/17.4	
U2SSEL	ZG	0	232-442	22 D8 DSL GEN BLDG SPLY FAN	D5/D8	745	J.3/17.4	
U2SSEL	ZG	0	232-443	23 D5 DSL GEN BLDG SPLY FAN	D5/D8	745	G.3/17.4	
U2SSEL	ZG	0	232-444	24 D8 DSL GEN BLDG SPLY FAN	D5/D8	745	J.3/17.4	
U2SSEL	ZG	0	232-451	21 D5 DSL GEN BLDG RETURN FAN	D5/D8	745	G.4/17.0	
U2SSEL	ZG	0	232-452	22 D8 DSL GEN BLDG RETURN FAN	D5/D8	745	J.4/17.0	
U2SSEL	ZG	0	232-453	23 D5 DSL GEN BLDG RETURN FAN	D5/D8	745	G.4/17.0	
U2SSEL	ZG	0	232-454	24 D8 DSL GEN BLDG RETURN FAN	D5/D8	745	J.4/17.0	
U2SSEL	ZX	7	CV-39413	22/24 FCU CLG WTR SUPPLY CV	AUX	710		
U2SSEL	ZX	7	CV-39414	22/24 FCU CHILLED WTR SUPPLY CV	AUX	704		
U2SSEL	ZX	7	CV-39415	21/23 FCU CLG WTR SUPPLY CV	AUX	707	IN 10" LINE	
U2SSEL	ZX	7	CV-39416	21/23 FCU CHILLED WTR SUPPLY CV	AUX	708		
U2SSEL	ZX	7	CV-39417	22 SHROUD CLG COILS TR A CHILLED WTR SUPPLY CV	CNTMT	782		
U2SSEL	ZX	7	CV-39418	21 SHROUD CLG COILS TR B CHILLED WTR SUPPLY CV	CNTMT	780		
U2SSEL	ZX	7	CV-39421	22/24 FCU CLG WTR RETURN CV	AUX	704		
U2SSEL	ZX	7	CV-39423	21/23 FCU CLG WTR RETURN CV	AUX	707	IN 10" LINE GRID K.O/12.0	
U2SSEL	ZX	8	SV-37464	UNIT 2 TRAIN A CHILL WTR/CLG WTR ISOL SV	AUX	707		
U2SSEL	ZX	8	SV-37465	UNIT 2 TRAIN B CHILL WTR/CLG WTR ISOL SV	AUX	707		
U2SSEL	ZX	8	SV-37466	UNIT 2 TRAIN A CHILL WTR/CLG WTR ISOL SV	AUX	744	J.O/13.0	
U2SSEL	ZX	8	SV-37467	UNIT 2 TRAIN B CHILL WTR/CLG WTR ISOL SV	CNTMT	783	19.8/35	



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SSEL COMPONENT ID	SOUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQ. Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
232-441	IEEE 344	OFF	ON	Y					X	NF-118254	NF-118838
232-442	IEEE 344	OFF	ON	Y					X	NF-118255	NF-118838
232-443	IEEE 344	OFF	ON	Y					X	NF-118254	NF-118838
232-444	IEEE 344	OFF	ON	Y					X	NF-118255	NF-118838
232-451	IEEE 344	OFF	ON	Y					X	NF-118254	NF-118838
232-452	IEEE 344	OFF	ON	Y					X	NF-118255	NF-118838
232-453	IEEE 344	OFF	ON	Y					X	NF-118254	NF-118838
232-454	IEEE 344	OFF	ON	Y					X	NF-118255	NF-118838
CV-39413	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-88188
CV-39414	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39217-2	NF-88188
CV-39415	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-88188
CV-39416	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39217-2	NF-88188
CV-39417	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39217-3	NF-88188
CV-39419	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39217-3	NF-88188
CV-39421	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-88188
CV-39423	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-88188
SV-37464	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 6	NF-88188
SV-37465	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 6	NF-88188
SV-37466	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 6	NF-88188
SV-37467	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 6	NF-88188

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIPMENT CLASS	SSEL COMPONENT ID	COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
UOSSEL	CL	0	067-011	121 SAFEGUARD TRAVELING WATER SCREEN	SSCRN	695	E1.0/81.9	
UOSSEL	CL	0	067-012	122 SAFEGUARD TRAVELING WATER SCREEN	SSCRN	695	E1.0/91.2	
UOSSEL	CL	6	145-392	12 DD CLP	SSCRN	695	C1.2/81.5	
UOSSEL	CL	0	158-011	11 COOLING WATER STRAINER	SSCRN	695	B1.5/81.8	
UOSSEL	CL	6	245-392	22 DD CLP	SSCRN	695	C1.2/91.2	
UOSSEL	CL	0	258-012	22 COOLING WATER STRAINER	SSCRN	695	B1.7/91.5	
UOSSEL	CL	7	CV-31423	12 DDCLP JCKT CLR OUTL CV	SSCRN	705	IN 3" LINE C1.5/81.3	
UOSSEL	CL	7	CV-31457	22 DDCLP JCKT CLR OUTL CV	SSCRN	705	IN 3" LINE C1.5/91.7	
UOSSEL	CL	7	CV-31852	11 CLG WTR STRNR BCKWSH CV	SSCRN	697	IN 2" LINE B1.5/81.7	
UOSSEL	CL	7	CV-31855	22 CLG WTR STRNR BCKWSH CV	SSCRN	697	IN 2" LINE B1.7/91.3	
UOSSEL	CL	8	MV-32034	121 CLWP DSCH HDR MV A	SSCRN	702	IN 24" LINE B1.4/81.9	
UOSSEL	CL	8	MV-32035	121 CLWP DSCH HDR MV B	SSCRN	698	IN 24" LINE B1.4/81.8	
UOSSEL	CL	8	MV-32036	121 CLWP DSCH HDR MV C	SSCRN	698	IN 24" LINE B1.4/91.1	
UOSSEL	CL	8	MV-32037	121 CLWP DSCH HDR MV D	SSCRN	698	IN 24" LINE B1.4/91.2	
UOSSEL	CL	8	MV-32144	LOOP A/B CLG WTR HDR XOVR MV A	AUX	708	IN 24" LINE H.8/8.8	
UOSSEL	CL	8	MV-32159	LOOP A/B CLG WTR HDR XOVR MV B	AUX	708	IN 24" LINE H.8/9.2	
UOSSEL	CL	8	MV-32332	11 AUX BLDG CLG WTR RTRN HDR ISOL MV	AUX	709	IN 24" LINE G.4/7.1	
UOSSEL	CL	8	MV-32334	21 AUX BLDG CLG WTR RTRN HDR ISOL MV	AUX	709	IN 24" LINE G.4/10.9	
UOSSEL	CL	8	SV-33133	CLG WTR TO 121 SFGRODS TRVLG SCRNS SV	SSCRN	695	IN 3" LINE C1.7/81.0	
UOSSEL	CL	8	SV-33134	CLG WTR TO 122 SFGRODS TRVLG SCRNS SV	SSCRN	695	IN 3" LINE C1.7/91.2	
UOSSEL	ZH	5	045-591	121 CONTROL ROOM CHILLED WATER PUMP	AUX	775	G.8/8.7	
UOSSEL	ZH	5	045-592	122 CONTROL ROOM CHILLED WATER PUMP	AUX	755	G.8/9.3	
UOSSEL	ZH	10	074-031	121A RELAY ROOM FAN-COIL UNIT	AUX	715	H.3/8.5/ RELAY RM	
UOSSEL	ZH	10	074-032	121B RELAY ROOM FAN-COIL UNIT	AUX	715	G.7/8.5	
UOSSEL	ZH	10	074-033	122A RELAY ROOM FAN-COIL UNIT	AUX	715	H.3/9.5	
UOSSEL	ZH	10	074-034	122B RELAY ROOM FAN-COIL UNIT	AUX	715	G.7/8.5	
UOSSEL	ZH	11	075-011	121 CONTROL ROOM WATER CHILLER	AUX	755	G.7/8.0	
UOSSEL	ZH	11	075-012	122 CONTROL ROOM WATER CHILLER	AUX	755	G.7/10.0	
UOSSEL	ZH	7	CV-31759	122 N RLY RM FAN COIL TRN B CV	AUX	727	IN 1" LINE H.0/9.4	

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SSEL COMPONENT ID	SOUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
067-011	SEISMIC/RELAY	OFF	ON	Y					X	NF-39216-1	NF-40315
067-012	SEISMIC/RELAY	OFF	ON	Y					X	NF-39216-1	NF-40315
145-382	SEISMIC/RELAY	OFF	ON	Y				X	X	NF-39216-1	NF-40315
158-011	SEISMIC/RELAY	ON	ON	Y					X	NF-39216-1	NF-40315
245-382	SEISMIC/RELAY	OFF	ON	Y				X	X	NF-39216-1	NF-40315
258-012	SEISMIC/RELAY	ON	ON	Y					X	NF-39216-1	NF-40315
CV-31423	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39216-1	NF-40315
CV-31457	SEISMIC/RELAY	CLOSED	OPEN (FO Air)	N					X	NF-39216-1	NF-40315
CV-316E2	SEISMIC/RELAY	OPERABLE	OPERABLE	N					X	NF-39216-1	NF-40315
CV-31655	SEISMIC/RELAY	OPERABLE	OPERABLE	N					X	NF-39216-1	NF-40315
MV-32034	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39216-1	NF-40315
MV-32035	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39216-1	NF-40315
MV-32036	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39216-1	NF-40315
MV-32037	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39216-1	NF-40315
MV-32144	SEISMIC/RELAY	OPEN	CLOSED	Y					X	NF-39216-3	NF-40315
MV-32159	SEISMIC/RELAY	OPEN	CLOSED	Y					X	NF-39217-2	NF-40315
MV-32332	RELAY	OPEN	OPEN	N					X	NF-39216-3	NF-40315
MV-32334	RELAY	OPEN	OPEN	N					X	NF-39216-3	NF-40315
SV-33133	SEISMIC/RELAY	CLOSED	OPEN (FC LPR)	Y					X	NF-39217-2	NF-40315
SV-33134	SEISMIC/RELAY	CLOSED	OPEN (FC LPR)	Y					X	NF-39216-1	NF-40315
045-591	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
045-592	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
074-031	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
074-032	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
074-033	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
074-034	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
075-011	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
075-012	SEISMIC/RELAY	ON	ON	Y					X	NF-39603-3	NF-40758
CV-31759	RELAY	OPEN	OPEN	N					X	NF-39603-3	NF-40758

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APPLICABLE UNIT	PLANT SYSTEM	SOUG EQUIPMENT CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
UOSSEL	ZH	7	CV-31780	121 N RLY RM FAN COIL TRN A CV	AUX	727	IN 1" LINE G.5/8.8	
UOSSEL	ZH	7	CV-31781	122 S RLY RM FAN COIL TRN B CV	AUX	727	IN 1" LINE H.4/8.4	
UOSSEL	ZH	7	CV-31782	121 S RLY RM FAN COIL TRN A CV	AUX	727	IN 1" LINE H.4/8.8	
UOSSEL	ZH	7	CV-31789	121 CONT RM CHLLR UNIT CDSR CLG WTR OUTL TCV	AUX	758	IN 4" LINE G.8/7.8	
UOSSEL	ZH	7	CV-31785	122 CONT RM CHLLR UNIT CDSR CLG WTR OUTL TCV	AUX	758	IN 4" LINE G.8/10.2	
UOSSEL	ZN	10	078-021	121 CONTROL ROOM AIR HANDLER	AUX	755	G.5/8.5	
UOSSEL	ZN	10	078-022	122 CONTROL ROOM AIR HANDLER	AUX	755	G.5/8.5	
UOSSEL	ZN	10	CD-34143	121 CONT RM AIR HNDLR DSCH CD	AUX	782	IN DUCT G.5/8.8	
UOSSEL	ZN	10	CD-34144	122 CONT RM AIR HNDLR DSCH CD	AUX	782	IN DUCT G.5/8.1	
UOSSEL	ZR	9	132-281	11 SCREENHOUSE ROOF EXHAUST FAN	SSCRN	715	B.1.3/81.7	
UOSSEL	ZR	9	132-291	11 SCREENHOUSE DIESEL COOLING SUPPLY FAN	SSCRN	895	E.1.2/81.4	
UOSSEL	ZR	9	232-281	21 SCREENHOUSE ROOF EXHAUST FAN	SSCRN	715	B.1.2/81.2	
UOSSEL	ZR	9	232-291	21 SCREENHOUSE DIESEL COOLING SUPPLY FAN	SSCRN	895	E.1.0/81.7	
UOSSEL	ZR	10	CD-34136	11 SCVNG & COMBTN AIR CD	SSCRN	713	IN DUCT C.1.8/81.0	
UOSSEL	ZR	10	CD-34137	11 CLASS I ROOF EXHT FAN DSCH CD	SSCRN	708	IN DUCT B.1.1/81.8	
UOSSEL	ZR	10	CD-34138	21 CLASS I ROOF EXHT FAN DSCH CD	SSCRN	708	IN DUCT B.1.1/81.2	
UOSSEL	ZR	10	CD-34139	21 SCVNG & COMBTM AIR CD	SSCRN	713	IN DUCT C.1.9/101.0	
U1SSEL	AF	5	145-331	12 TD AFW PUMP	TURB	895	F.5/8.4	
U1SSEL	AF	7	CV-31153	11 TD AUX FW PMP RCRC/LUBE OIL CLG CV	TURB	702	IN 1" LINE F.5/8.2	
U1SSEL	AF	7	CV-31154	12 MD AUX FW PMP RCRC/LUBE OIL CLG CV	TURB	702	IN 1" LINE F.5/8.3	
U1SSEL	AF	7	CV-31998	MAIN STEAM SUPPLY TO 11 TD AFW PUMP CV	TURB	887	IN 3" LINE F.8/7.9	
U1SSEL	AF	8	MV-32238	11 TD AUX FW TO 11 STM GEN MV	TURB	703	IN 3" LINE F.8/8.2	
U1SSEL	AF	8	MV-32239	11 TD AUX FW TO 12 STM GEN MV	TURB	703	IN 3" LINE F.8/8.1	
U1SSEL	AF	8	MV-32242	11/12 AUX FW TO 11 STM GEN ISOL MV	AUX	738	IN 3" LINE N.4/8.2	
U1SSEL	AF	8	MV-32243	11/12 AUX FW TO 12 STM GEN ISOL MV	AUX	738	IN 3" LINE J.8/8.8	
U1SSEL	AF	8	MV-32381	12 AFWP DSCH TO 11 STM GEN MV	TURB	793	IN 3" LINE F.8/8.5	
U1SSEL	AF	8	MV-32382	12 AFWP DSCH TO 12 STM GEN MV	TURB	703	IN 3" LINE F.8/8.5	
U1SSEL	CL	7	CV-31565	D1 DSL GEN CLG WTR SPLY CV	TURB	899	AT DSL GEN KA.0/2.2	
U1SSEL	CL	7	CV-31508	D2 DSL GEN CLG WTR SPLY CV	TURB	898	AT DSL GEN JA.0/2.8	

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SSEL COMPONENT ID	SQUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
CV-31760	RELAY	OPEN	OPEN	N					X	NF-39803-3	NF-40758
CV-31761	RELAY	OPEN	OPEN	N					X	NF-39803-3	NF-40756
CV-31762	RELAY	OPEN	OPEN	N					X	NF-39803-3	NF-40752
CV-31769	SEISMIC/RELAY	OPEN	OPEN (FC AH)	N					X	NF-39803-3	NF-40758
CV-31785	SEISMIC/RELAY	OPEN	OPEN (FC AH)	N					X	NF-39803-3	NF-40758
076-021	SEISMIC/RELAY	ON	ON	Y					X	NF-39803-3	NF-40761
076-022	SEISMIC/RELAY	OFF	OPERABLE	Y					X	NF-39803-3	NF-40761
CD-34143	SEISMIC/RELAY	OPEN	OPEN (FO AH)	N					X	NF-39803-1	NF-40761
CD-34144	SEISMIC/RELAY	CLOSED	OPEN (FO AH)	N					X	NF-39803-1	NF-40761
132-281	SEISMIC/RELAY	OFF	ON	Y					X	NF-39803-1	NF-40763
132-281	SEISMIC/RELAY	OFF	ON	Y					X	NF-39803-1	NF-40763
232-281	SEISMIC/RELAY	OFF	ON	Y					X	NF-39803-1	NF-40763
232-281	SEISMIC/RELAY	OFF	ON	Y					X	NF-39803-1	NF-40763
CD-34138	SEISMIC/RELAY	CLOSED	OPEN (FO AH)	N					X	NF-39803-1	NF-40763
CD-34137	SEISMIC/RELAY	CLOSED	OPEN (FO AH)	N					X	NF-39803-1	NF-40763
CD-34138	SEISMIC/RELAY	CLOSED	OPEN (FO AH)	N					X	NF-39803-1	NF-40763
CD-34138	SEISMIC/RELAY	CLOSED	OPEN (FO AH)	N					X	NF-39803-1	NF-40763
145-331	SEISMIC/RELAY	OFF	ON	Y				X		NF-39222	NF-40312
CV-31153	SEISMIC/RELAY	CLOSED	OPEN (FO AH)	N				X		NF-39222	NF-40312
CV-31154	SEISMIC/RELAY	CLOSED	OPEN (FO)	N				X		NF-39222	NF-40312
CV-31998	SEISMIC/RELAY	CLOSED	OPEN (FO)	N				X		NF-39216	NF-40312
MV-32238	RELAY	OPEN	OPEN	N				X		NF-39222	NF-40312
MV-32239	SEISMIC/RELAY	OPEN	CLOSED	Y				X		NF-39222	NF-40312
MV-32242	RELAY	OPEN	OPEN	N				X		NF-39222	NF-40312
MV-32243	RELAY	OPEN	OPEN	N				X		NF-39222	NF-40312
MV-32381	SEISMIC/RELAY	OPEN	CLOSED	Y				X		NF-39222	NF-40312
MV-32382	RELAY	OPEN	OPEN	N				X		NF-39222	NF-40312
CV-31505	SEISMIC/RELAY	CLOSED	OPEN (FO AH)	N					X	NF-39255-1	NF-40325
CV-31506	SEISMIC/RELAY	CLOSED	OPEN (FO AH)	N					X	NF-39255-1	NF-40325

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIPMENT CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	CL	7	CV-39201	11 & 13 FCU CLG WTR RTN B-P CV	AUX	738	IN 10" LINE J.5/8.4	
U1SSEL	CL	7	CV-39203	12 & 14 FCU CLG WTR RTN DRIF B-P CV	AUX	720	IN 10" LINE J.5/8.0	
U1SSEL	CL	8	MV-32025	11 TD AFW PUMP SUCT CLG WTR SUPPLY MV	TURB	707	IN 4" LINE F.2/8.3	
U1SSEL	CL	8	MV-32027	12 MD AFW PUMP SUCT CLG WTR SUPPLY MV	TURB	707	IN 4" LINE F.2/9.5	
U1SSEL	CL	8	MV-32031	1 TURB BLDG CLG WTR HDR MV	TURB	710	IN 24" LINE B.9/8.1	
U1SSEL	CL	8	MV-32132	11 FC CLG WTR RTRN ISOL MV A	CNTMT	738	IN 8" LINE 2/330	
U1SSEL	CL	8	MV-32133	11 FC CLG WTR RTRN ISOL MV B	AUX	741	IN 8" LINE J.5/5.8	
U1SSEL	CL	8	MV-32135	12 FC CLG WTR RTRN ISOL MV A	CNTMT	724	IN 8" LINE 2/321	
U1SSEL	CL	8	MV-32138	12 FC CLG WTR RTRN ISOL MV B	AUX	725	IN 8" LINE J.8/8.3	
U1SSEL	CL	8	MV-32138	13 FC CLG WTR RTRN ISOL MV A	CNTMT	737	IN 8" LINE 2/328	
U1SSEL	CL	8	MV-32139	13 FC CLG WTR RTRN ISOL MV B	AUX	741	IN 8" LINE J.8/8.0	
U1SSEL	CL	8	MV-32141	14 FC CLG WTR RTRN ISOL MV A	CNTMT	725	IN 8" LINE 2/317	
U1SSEL	CL	8	MV-32142	14 FC CLG WTR RTRN ISOL MV B	AUX	725	IN 8" LINE J.8/8.1	
U1SSEL	CL	8	MV-32145	11 CC HX CLG WTR INLET MV	AUX	704	IN 12" LINE G.3/8.3	
U1SSEL	CL	8	MV-32146	12 CC HX CLG WTR INLET MV	AUX	706	IN 12" LINE G.2/9.7	
U1SSEL	CL	8	MV-32322	11 AUX BLDG CLG WTR RTRN HDR MV	AUX	707	IN 24" LINE J.2/7.2	
U1SSEL	CL	8	MV-32371	11/12 TURB OIL COOLERS CLG WTR BYPASS MV	TURB	710	IN 4" LINE E.9/8.1	
U1SSEL	CL	8	MV-32377	11 FC CLG WTR INLT ISOL MV	AUX	748	IN 8" LINE J.9/8.3	
U1SSEL	CL	8	MV-32378	13 FC CLG WTR INLT ISOL MV	AUX	744	IN 8" LINE J.9/8.4	
U1SSEL	CL	8	MV-32379	12 FC CLG WTR INLT ISOL MV	AUX	727	IN 8" LINE J.8/5.8	
U1SSEL	CL	8	MV-32380	14 FC CLG WTR INLT ISOL MV	AUX	727	IN 8" LINE J.7/5.9	
U1SSEL	D1	17	034-011	121 D1 DIESEL GENERATOR	TURB	895	K.5/2.4	
U1SSEL	D1	7	CV-31953	D1 DSL GEN AIR STRT CV A	TURB	700	AT DSL GEN KA.4/2.3	034-011
U1SSEL	D1	7	CV-31954	D1 DSL GEN AIR STRT CV B	TURB	790	AT DSL GEN KA.4/2.3	034-011
U1SSEL	D2	17	034-021	D2 DIESEL GENERATOR	TURB	895	H.3/2.4	
U1SSEL	D2	7	CV-31955	D2 DSL GEN AIR STRT CV A	TURB	700	AT DLS GEN HA.7/2.7	034-021
U1SSEL	D2	7	CV-31956	D2 DSL GEN AIR STRT CV B	TURB	700	AT DSL GEN HA.7/2.7	034-021
U1SSEL	EA	3	BKR 15-11	BUS 15 FEED TO 111M XFMR	TURB	715	E.0/8.7 15 BUS ROOM	BUS 15
U1SSEL	EA	3	BKR 15-12	BUS 15 FEED TO 21A XFMR	TURB	715	E.0/8.7 15 BUS ROOM	BUS 15

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SSEL COMPONENT ID	SOUC EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DN	SS	FLOW DIAG	LOGIC DIAG
CV-39201	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39216-3	NF-40315
CV-39203	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39216-3	NF-40315
MV-32025	SEISMIC/RELAY	CLOSED	OPEN	Y				X	X	NF-39216-2	NF-40312
MV-32027	SEISMIC/RELAY	CLOSED	OPEN	Y				X	X	NF-39217-1	NF-40312
MV-32031	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39216-2	NF-40315
MV-32132	RELAY	OPEN	OPEN	N					X	NF-39216-4	NF-40315
MV-32133	RELAY	OPEN	OPEN	N					X	NF-39216-3	NF-40315
MV-32135	RELAY	OPEN	OPEN	N					X	NF-39216-4	NF-40315
MV-32136	RELAY	OPEN	OPEN	N					X	NF-39216-3	NF-40315
MV-32138	RELAY	OPEN	OPEN	N					X	NF-39216-4	NF-40315
MV-32139	RELAY	OPEN	OPEN	N					X	NF-39216-3	NF-40315
MV-32141	RELAY	OPEN	OPEN	N					X	NF-39216-4	NF-40315
MV-32142	RELAY	OPEN	OPEN	N					X	NF-39216-3	NF-40315
MV-32145	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39216-3	NF-40315
MV-32146	SEISMIC/RELAY	OPEN	OPERABLE	Y					X	NF-39216-3	NF-40315
MV-32322	RELAY	CLOSED	CLOSED	N					X	NF-39216-3	NF-40315
MV-32371	RELAY	CLOSED	CLOSED	N					X	NF-39216-2	NF-40315
MV-32377	RELAY	OPEN	OPEN	N					X	NF-39216-3	NF-40315
MV-32378	RELAY	OPEN	OPEN	N					X	NF-39216-3	NF-40315
MV-32378	RELAY	OPEN	OPEN	N					X	NF-39216-3	NF-40315
MV-32380	RELAY	OPEN	OPEN	N					X	NF-39216-3	NF-40315
034-011	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-39255-1	NF-40325
CV-31953	ROB/RELAY	CLOSED	OPERABLE	Y					X	NF-39255-1	NF-40325
CV-31954	ROB/RELAY	CLOSED	OPERABLE	Y					X	NF-39255-1	NF-40325
034-021	SEISMIC/RELAY	STANDBY	STANDBY/OPERABLE	Y					X	NF-39255-1	NF-40325
CV-31955	ROB/RELAY	CLOSED	OPERABLE(FC)	Y					X	NF-39255-1	NF-40325
CV-31956	ROB/RELAY	CLOSED	OPERABLE(FC)	Y					X	NF-39255-1	NF-40325
BKR 15-11	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40002-3	NF-40019
BKR 15-12	ROB/RELAY	OPEN	OPEN	N					X	NF-40002-3	NF-40019

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIPMENT CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING'S	ELEVATION	LOCATION	BOX
U1SSEL	EA	3	BKR 15-2	BUS 15 SOURCE FROM D1 DSL GEN	TURB	715	E.0/8.7 15 BUS ROOM	BUS 15
U1SSEL	EA	3	BKR 15-3	BUS 15 SOURCE FROM 1RY XFMR	TURB	715	E.0/8.7 15 BUS ROOM	BUS 15
U1SSEL	EA	3	BKR 15-6	BUS 15 FEED TO 112M XFMR	TURB	715	E.0/8.7 15 BUS ROOM	BUS 15
U1SSEL	EA	3	BKR 15-7	BUS 15 SOURCE FROM BUS CT11	TURB	715	E.0/8.7 15 BUS ROOM	BUS 15
U1SSEL	EA	3	BKR 15-8	BUSTIE BUS 15/BUS 25	TURB	715	E.0/8.7 15 BUS ROOM	BUS 15
U1SSEL	EA	3	BKR 16-10	BUSTIE BUS 16/BUS 26	TURB	715	F.5/8.7 16 BUS ROOM	BUS 16
U1SSEL	EA	3	BKR 16-11	BUS 16 FEED TO 122M XFMR	TURB	715	F.5/8.7 16 BUS ROOM	BUS 16
U1SSEL	EA	3	BKR 16-12	BUS 16 FEED TO 22A XFMR	TURB	715	F.5/8.7 16 BUS ROOM	BUS 16
U1SSEL	EA	3	BKR 16-2	BUS 16 SOURCE FROM 1RY XFMR	TURB	715	F.5/8.7 16 BUS ROOM	BUS 16
U1SSEL	EA	3	BKR 16-4	BUS 16 FEED TO 121M XFMR	TURB	715	F.5/8.7 16 BUS ROOM	BUS 16
U1SSEL	EA	3	BKR 16-8	BUS 16 SOURCE FROM BUS CT11	TURB	715	F.5/8.7 16 BUS ROOM	BUS 16
U1SSEL	EA	3	BKR 16-9	BUS 16 SOURCE FROM D2 DSL GEN	TURB	715	F.5/8.7 16 BUS ROOM	BUS 16
U1SSEL	EA	3	BUS 15	BUS 15 4.18KV SWITCHGEAR	TURB	715		
U1SSEL	EA	3	BUS 16	BUS 16 4.18KV SWITCHGEAR	TURB	715	F.5/8.7 16 BUS ROOM	
U1SSEL	EB	2	BKR 111A	BUS 111 SOURCE FROM 11A XFMR	TURB	715	E.0/8.3 111 BUS ROOM	BUS 111
U1SSEL	EB	2	BKR 111C	480V MCC 1AB BUS 1 FEEDER FROM 111	TURB	715	E.0/8.3 111 BUS ROOM	BUS 111
U1SSEL	EB	2	BKR 111E	480V MCC 1A BUS 1 FEEDER FROM 111	TURB	715	E.0/8.3 111 BUS ROOM	BUS 111
U1SSEL	EB	2	BKR 111F	480V MCC 1AC BUS 1 FEEDER FROM 111	TURB	715	E.0/8.3 111 BUS ROOM	BUS 111
U1SSEL	EB	2	BKR 111J	480V MCC 1K BUS 1 FEEDER FROM 111	TURB	715	E.0/8.3 111 BUS ROOM	BUS 111
U1SSEL	EB	2	BKR 111K	480V MCC 1TA BUS 1 FEEDER FROM 111	TURB	715	E.0/8.3 111 BUS ROOM	BUS 111
U1SSEL	EB	2	BKR 111M	BUS 111 SOURCE FROM 111M XFMR	TURB	715	E.0/8.3 111 BUS ROOM	BUS 111
U1SSEL	EB	2	BKR 112A	BUS 112 SOURCE FROM 11A XFMR	AUX	735	G.3/5.6 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112C	480V MCC 1S1 & P2R HTRS FEEDER FROM 112	AUX	735	G.3/5.6 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112E	480V MCC 1L BUS 1 FEEDER FROM 112	AUX	735	G.3/5.6 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112G	480V MCC 1T BUS 1 FEEDER FROM 112 (NORMAL FEED)	AUX	735	G.3/5.6 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112J	480V MCC 1X BUS 1 FEEDER FROM 112	AUX	735	G.3/5.6 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112K	480V MCC 1M BUS 1 FEEDER FROM 112	AUX	735	G.3/5.6 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112L	480V MCC 1LA BUS 1 FEEDER FROM 112	AUX	735	G.3/5.6 112 BUS ROOM	BUS 112
U1SSEL	EB	2	BKR 112M	BUS 112 SOURCE FROM 112M XFMR	AUX	735	G.3/5.6 112 BUS ROOM	BUS 112



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SSEL COMPONENT ID	SOU EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
BKR 15-2	ROBI/RELAY	OPEN	CLOSED	Y					X	NF-40002-3	NF-40018
BKR 15-3	ROBI/RELAY	CLOSED	OPEN	Y					X	NF-40002-3	NF-40019
BKR 15-6	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40002-3	NF-40019
BKR 15-7	ROBI/RELAY	OPEN	OPEN	N					X	NF-40002-3	NF-40019
BKR 15-8	ROBI/RELAY	OPEN	OPEN	N					X	NF-40002-3	NF-40018
BKR 16-10	ROBI/RELAY	OPEN	OPEN	N					X	NF-40002-3	NF-40018
BKR 16-11	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40002-3	NF-40019
BKR 16-12	ROBI/RELAY	OPEN	OPEN	N					X	NF-40002-3	NF-40018
BKR 16-2	ROBI/RELAY	OPEN	OPEN	N					X	NF-40002-3	NF-40019
BKR 16-4	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40002-3	NF-40018
BKR 16-8	ROBI/RELAY	CLOSED	OPEN	Y					X	NF-40002-3	NF-40019
BKR 16-9	ROBI/RELAY	OPEN	CLOSED	Y					X	NF-40002-3	NF-40019
BUS 15	SEISMIC/RELAY	INTACT	INTACT	Y					X	NF-40002-3	NF-40019
BUS 16	SEISMIC/RELAY	INTACT	INTACT	Y					X	NF-40002-3	NF-40019
BKR 111A	ROBI/RELAY	OPEN	OPEN	N					X	NF-40022-1	NF-40015
BKR 111C	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 111E	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 111F	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 111J	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 111K	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 111M	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 112A	ROBI/RELAY	OPEN	OPEN	N					X	NF-40022-1	NF-40015
BKR 112C	ROBI/RELAY	CLOSED	CLOSED	Y					X	NF-40022-1	NF-40015
BKR 112E	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 112G	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 112J	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 112K	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 112L	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 112M	ROBI/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015

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 Relay Review SSEL (Table 1)

APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIPMENT CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	EB	2	BKR 121A	BUS 121 SOURCE FROM 12A XFMR	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121B	480V MCC 1KA BUS 1 FEEDER FROM 121	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121C	480V MCC 1AB BUS 2 FEEDER FROM 121 (ALT FEED)	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121E	480V MCC 1A BUS 2 FEEDER FROM 121	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121F	480V MCC 1AC BUS 2 FEEDER FROM 121	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121J	480V MCC 1K BUS FEEDER FROM 121	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121K	480V MCC 1TA BUS 2 FEEDER FROM 121	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 121M	BUS 121 SOURCE FROM 121M XFMR	TURB	715	F.0/9.3 121 BUS ROOM	BUS 121
U1SSEL	EB	2	BKR 122A	BUS 122 SOURCE FROM 12A XFMR	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122C	480V MCC 1R1 & PZR HTRS GRP B FEEDER FROM 122	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122E	480V MCC 1L BUS 2 FEEDER FROM 122	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122F	480V MCC 1MA BUS 2 FEEDER FROM 122	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122G	480V MCC 1T BUS 2 FEEDER FROM 122 (NORMAL FEED)	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122J	480V MCC 1X BUS 2 FEEDER FROM 122	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122K	480V MCC 1M BUS 2 FEEDER FROM 122	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122L	480V MCC 1LA BUS 2 FEEDER FROM 122	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EB	2	BKR 122M	BUS 122 SOURCE FROM 122M XFMR	AUX	735	G.2/12.8 122 BUS ROOM	BUS 122
U1SSEL	EM	18	1LT-487	11 STM GEN LOOP A WR LVL XMTR	CNTMT	718	ON SHLD WALL 8/192	
U1SSEL	EM	18	1LT-488	12 STM GEN LOOP B WR LVL XMTR	CNTMT	718	ON SHLD WALL 18/337	
U1SSEL	EM	18	1LT-751	11 RX VSL HEAD UPPER RNG TRN A D/P XMTR	AUX	735	ON INSTR RACK J.5/4.2	
U1SSEL	EM	18	1LT-753	11 RX VSL HEAD DYNAMIC RNG TRN A D/P XMTR	AUX	735	ON INSTR RACK J.5/4.2	
U1SSEL	EM	18	1LT-761	12 RX VSL HEAD UPPER RNG TRN B D/P XMTR	AUX	735	ON INSTR RACK J.5/4.5	
U1SSEL	EM	18	1LT-763	12 RX VSL HEAD DYNAMIC RNG TRN B D/P XMTR	AUX	735	ON INSTR RACK J.5/4.5	
U1SSEL	EM	18	1LT-920	11 RWST LVL XMTR	AUX	700	ON E SIDE WALL J.3/4.3	
U1SSEL	EM	18	1LT-921	11 RWST LVL XMTR	AUX	700	ON E SIDE WALL J.3/4.3	
U1SSEL	EM	18	1TE-450A	1 REAC CLNT LOOP A HOT LEG RTD	CNTMT	723	IN 29" LINE 28/193	
U1SSEL	EM	18	1TE-451A	1 REAC CLNT LOOP B HOT LEG RTD	CNTMT	723	IN 29" LINE 35/352	
U1SSEL	FO	6	045-271	121 DSL GEN OIL STOR TK SUBMERSIBLE PUMP	FUEL	695	LA.7/0.3	
U1SSEL	FO	6	045-273	123 DSL GEN OIL STOR TK SUBMERSIBLE PUMP	FUEL	695	KA.5/0.3	

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SSEL COMPONENT ID	SQUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
BKR 121A	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-1	NF-40015
BKR 121B	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 121C	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 121E	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 121F	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 121J	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 121K	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 121M	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 122A	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-1	NF-40015
BKR 122C	ROB/RELAY	CLOSED	CLOSED	Y					X	NF-40022-1	NF-40015
BKR 122E	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 122F	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 122G	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 122J	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 122K	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 122L	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
BKR 122M	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-1	NF-40015
1LT-487	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39218	
1LT-488	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39218	
1LT-751	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-753	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-761	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-763	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-920	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X				XH-1-45	NF-40783
1LT-921	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X				XH-1-45	NF-40783
1TE-450A	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		XH-1-7	
1TE-451A	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		XH-1-7	
045-271	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-39232	NF-40323
045-273	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-39232	NF-40323

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APPLICABLE UNIT	PLANT SYSTEM	SQUIG EQUIPMENT CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
UTSSEL	FO	8	045-301	121 DSL CLG WTR PMP OIL STOR TK SUBMERSIBLE PMP	SSCRN	695	C1151.5	
UTSSEL	FO	6	045-302	122 DSL CLG WTR PMP OIL STOR TK SUBMERSIBLE PMP	SSCRN	695	B1.5/51.5	
UTSSEL	MS	7	CV-31064	11 STM GEN POWER OPERATED RELIEF CV	AUX	736	IN 6" LINE J.315.6	
UTSSEL	MS	7	CV-31089	12 STM GEN POWER OPERATED RELIEF CV	AUX	756		
UTSSEL	MS	7	CV-31098	11 STM GEN MSIV CV	AUX	728		
UTSSEL	MS	7	CV-31098	12 STM GEN MSIV CV	AUX	739	IN 30" LINE J.215.8	
UTSSEL	MS	8	MV-32016	11 SIG STEAM SUPPLY TO 11 TD AFW PUMP MV	AUX	739	IN 3" LINE N.710.3	
UTSSEL	MS	8	MV-32017	12 SIG STEAM SUPPLY TO 11 TD AFW PUMP MV	AUX	739	IN 3" LINE J.115.7	
UTSSEL	MS	8	MV-32045	11 MSIV BYPASS MV	AUX	726	ON VLV N.516.4	
UTSSEL	MS	8	MV-32047	12 MSIV BYPASS MV	AUX	741	ON VLV J.215.8	
UTSSEL	NI	0	1NE-51	EXCORE DETECTION TRN A DETECTOR ASSY	CNTMT	712		
UTSSEL	NI	0	1NE-52	EXCORE DETECTION TRN B DETECTOR ASSY	CNTMT	712		
UTSSEL	RC	7	CV-31231	1 PRZR PORV B CV	CNTMT	764	IN 3" LINE 21/33	
UTSSEL	RC	7	CV-31232	1 PRZR PORV A CV	CNTMT	764	IN 3" LINE 24/30	
UTSSEL	RP	2	1-52/RTA	A - TRAIN REAC TRIP BREAKER	AUX	735	U1 ROD DRIVE RM	
UTSSEL	RP	2	1-52/RTB	B - TRAIN REAC TRIP BREAKER	AUX	735	U1 ROD DRIVE RM	
UTSSEL	RP	18	1LT-426	1 REAC CLNT LOOP PRZR (CHNNL I-RED) LVL XMTR	CNTMT	720	ON N SIDE WALL 11/18	
UTSSEL	RP	18	1LT-428	1 REAC CLNT LOOP PRZR (CHNNL III-BLU) LVL XMTR	CNTMT	720	ON E SIDE WALL 12/30	
UTSSEL	RP	18	1PT-429	1 REAC CLNT LOOP PRZR (CHNNL I-RED) P XMTR	CNTMT	720	ON N SIDE WALL 11/18	
UTSSEL	RP	18	1PT-431	1 REAC CLNT LOOP PRZR (CHNNL III-BLU) P XMTR	CNTMT	720	ON E SIDE WALL 12/30	
UTSSEL	RP	18	1PT-468	11 STM GEN LOOP A (CHNNL I-RED) P XMTR	AUX	720	ON NORTH SIDE WALL P.016.0	
UTSSEL	RP	18	1PT-478	12 STM GEN LOOP B (CHNNL III-BLU) P XMTR	AUX	720	ON EAST SIDE COL J.115.8	
UTSSEL	RV	8	SV-37035	RCS VENT SYS PRZR VENT SV	CNTMT	760	IN 1" LINE 40/10	
UTSSEL	RV	8	SV-37036	RCS VENT SYS PRZR VENT SV	CNTMT	760	IN 1" LINE 40/10	
UTSSEL	RV	8	SV-37037	RCS VENT SYS REACTOR HEAD VENT SV	CNTMT	760	IN 1" LINE 40/10	
UTSSEL	RV	8	SV-37038	RCS VENT SYS REACTOR HEAD VENT SV	CNTMT	760	IN 1" LINE 40/10	
UTSSEL	RV	8	SV-37039	RCS VENT SYS TO PRT SV	CNTMT	760	IN 1" LINE 40/10	
UTSSEL	RV	8	SV-37040	RCS VENT SYS TO CNTMT ATMOS SV	CNTMT	760	IN 1" LINE 40/10	
UTSSEL	SB	7	CV-31414	11 SGB TO 11 SGB FLSH TANK FLOW CV	AUX	724	IN 2" LINE L.717.2	

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SSEL COMPONENT ID	SGUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
045-301	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-39232	NF-40323
045-302	SEISMIC/RELAY	STANDBY	STANDBY	Y					X	NF-39232	NF-40323
CV-31084	SEISMIC/RELAY	CLOSED	OPEN (FC)	N				X		NF-39218	NF-40322
CV-31089	SEISMIC/RELAY	CLOSED	OPEN (FC)	N				X		NF-39218	NF-40322
CV-31098	SEISMIC/RELAY	OPEN	CLOSED (FC)	Y				X		NF-39218	NF-40322
CV-31099	SEISMIC/RELAY	OPEN	CLOSED (FC)	Y				X		NF-39218	NF-40322
MV-32018	RELAY	OPEN	OPEN	N				X		NF-39218	NF-40322
MV-32017	RELAY	OPEN	OPEN	N				X		NF-39218	NF-40322
MV-32045	RELAY	CLOSED	CLOSED	N				X		NF-39218	NF-40322
MV-32047	RELAY	CLOSED	CLOSED	N				X		NF-39218	NF-40322
1NE-51	SEISMIC/RELAY	INDICATING	INDICATING	Y	X					NF-40289-5	
1NE-52	SEISMIC/RELAY	INDICATING	INDICATING	Y	X					NF-40289-5	
CV-31231	RELAY	CLOSED	CLOSED	N		X	X			XH-1-7	NF-40780
CV-31232	RELAY	CLOSED	CLOSED	N		X	X			XH-1-7	NF-40780
1-52/RTA	SEISMIC/RELAY	CLOSED	OPEN (FO)	N	X					NF-40288-9	
1-52/RTB	SEISMIC/RELAY	CLOSED	OPEN (FO)	N	X					NF-40288-8	
1LT-428	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1LT-428	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1-7	
1PT-429	SEISMIC/RELAY	INDICATING	INDICATING	Y			X			XH-1-7	
1PT-431	SEISMIC/RELAY	INDICATING	INDICATING	Y			X			XH-1-7	
1PT-468	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39218	
1PT-478	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39218	
SV-37035	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37036	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37037	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37039	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37039	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
SV-37040	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1-7	NF-40781
CV-31414	RELAY	CLOSED	CLOSED	N				X		NF-88740	NF-40331

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APPLICABLE UNIT	PLANT SYSTEM	SOUG EQUIPMENT CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	SB	7	CV-31415	12 SGB TO 11 SGB FLSH TNK FLOW CV	AUX	724	IN 2" LINE L.8/7.3	
U1SSEL	SM	7	CV-31637	11 SGB SMPL ISOL CV A	CNTMT	741	IN 3/8" LINE 2/272	
U1SSEL	SM	7	CV-31638	12 SGB SMPL ISOL CV A	CNTMT	741	IN 3/8" LINE 2/268	
U1SSEL	SM	8	MV-32400	11 PRZR STEAM SAMPLE MV	CNTMT	780	IN 3/8" LINE 15/38	
U1SSEL	SM	8	MV-32402	11 PRZR LIQUID SAMPLE MV	CNTMT	745	IN 3/8" LINE 18/38	
U1SSEL	SM	8	MV-32404	11 RC LOOP HOT LEG SAMPLE MV	CNTMT	708	IN 3/8" LINE 30/320	
U1SSEL	VC	5	145-041	11 CHG PUMP	AUX	895	H.5/8.8	
U1SSEL	VC	5	145-042	12 CHG PUMP	AUX	885	H.5/7.0	
U1SSEL	VC	18	1LT-112	11 VOL CONT TNK LVL XMTR	AUX	720		
U1SSEL	VC	7	CV-31198	CHG LN TO 11 REGEN HT EXGR CV	AUX	717	IN 2" LINE L.3/6.8	
U1SSEL	VC	7	CV-31228	1 REAC CLNT LOOP PRZR LTDN LN ISOL LCV A	CNTMT	705	IN 2" LINE 27/311	
U1SSEL	VC	7	CV-31255	1 REAC CLNT LOOP PRZR LTDN LN ISOL LCV B	CNTMT	705	IN 2" LINE 29/258	
U1SSEL	VC	7	CV-31330	11 EXCS LTDN HT EXGR INLT LP A ISOL CV	CNTMT	701	IN 1" LINE 21/225	
U1SSEL	VC	7	CV-31334	11/12 RCP SEAL BYPASS RETURN CV	CNTMT	708	IN 3/4" LINE 17/289	
U1SSEL	VC	7	CV-31335	11 REAC CLNT PMP SL WTR OUTL ISOL CV	CNTMT	738	IN 2" LINE 25/129	
U1SSEL	VC	7	CV-31338	12 REAC CLNT PMP SL WTR OUTL ISOL CV	CNTMT	734	IN 2" LINE 18/290	
U1SSEL	VC	8	MV-32080	RFLG WTR EMERG MK-UP TO CHG PMPS MV	AUX	889	IN 4" LINE H.9/8.8	
U1SSEL	VC	8	MV-32081	11 VCT OUTLET TO CHG PUMP SUCT HEADER MV	AUX	707	IN 4" LINE H.8/8.8	
U1SSEL	VC	8	MV-32168	1 REAC EXCS LTDN LINE ISOL MV A	AUX	720	IN 3" LINE L.5/8.8	
U1SSEL	VC	8	MV-32199	1 RCP SEAL RETURN/EXCESS LETDOWN ISOL TRN B MV	CNTMT	720	IN 3" LINE 1/273	
U1SSEL	ZC	10	174-011	11 CNTM FAN COIL UNIT	CNTMT	711	20/50	
U1SSEL	ZC	10	174-012	12 CONTAINMENT FAN COIL UNIT	CNTMT	711	30/90	
U1SSEL	ZC	10	174-013	13 CNTM FAN COIL UNIT	CNTMT	755	8/310	
U1SSEL	ZC	10	174-014	14 CONTAINMENT FAN COIL UNIT	CNTMT	735	12/320	
U1SSEL	ZC	10	CD-34072	11 FCU DISCH TO CNTMT DOME CD	CNTMT	737	IN DUCT 14/73	
U1SSEL	ZC	10	CD-34073	11 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	741	IN DUCT 13/88	
U1SSEL	ZC	10	CD-34074	12 FCU DISCH TO CNTMT DOME CD	CNTMT	741	IN DUCT 17/128	
U1SSEL	ZC	10	CD-34075	12 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	741	IN DUCT 21/117	
U1SSEL	ZC	10	CD-34076	13 FCU DISCH TO CNTMT DOME CD	CNTMT	775	IN DUCT 10/310	

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SSEL COMPONENT ID	SQUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
CV-31415	RELAY	CLOSED	CLOSED	N				X		NF-68740	NF-40331
CV-31637	RELAY	CLOSED	CLOSED	N				X		NF-39238	NF-40332
CV-31638	RELAY	CLOSED	CLOSED	N				X		NF-39238	NF-40332
MV-32400	RELAY	CLOSED	CLOSED	N		X	X			NF-39238	NF-40332
MV-32402	RELAY	CLOSED	CLOSED	N		X	X			NF-39238	NF-40332
MV-32404	RELAY	CLOSED	CLOSED	N		X	X			NF-39238	NF-40332
145-041	SEISMIC/RELAY	ON	ON	Y	X	X	X			XH-1-39	NF-40784
145-042	SEISMIC/RELAY	ON	ON	Y	X	X	X			XH-1-39	NF-40784
1LT-112	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X	X			XH-1-39	NF-40784
CV-31198	RELAY	OPEN	OPEN	N	X	X	X			XH-1-39	NF-40784
CV-31228	SEISMIC/RELAY	OPEN	CLOSED(FC)	N	X	X	X			XH-1-39	NF-40784
CV-31255	SEISMIC/RELAY	OPEN	CLOSED(FC)	N	X	X	X			XH-1-39	NF-40784
CV-31330	RELAY	CLOSED	CLOSED(FC)	N	X	X	X			XH-1-39	NF-40784
CV-31334	RELAY	CLOSED	CLOSED(FC)	N	X	X	X			XH-1-39	NF-40784
CV-31335	RELAY	OPEN	OPEN (FO)	N	X	X	X			XH-1-39	NF-40784
CV-31336	RELAY	OPEN	OPEN (FO)	N	X	X	X			XH-1-39	NF-40784
MV-32060	SEISMIC/RELAY	CLOSED	OPEN	Y	X	X	X			XH-1-39	NF-40784
MV-32061	SEISMIC/RELAY	OPEN	CLOSED	Y	X	X	X			XH-1-39	NF-40784
MV-32186	SEISMIC/RELAY	OPEN	OPERABLE	Y	X	X	X			XH-1-39	NF-40784
MV-32189	SEISMIC/RELAY	OPEN	OPERABLE	Y	X	X	X			XH-1-39	NF-40784
174-011	SEISMIC/RELAY	ON	ON	Y					X	NF-39218-4	NF-40755
174-012	SEISMIC/RELAY	ON	ON	Y					X	NF-39218-4	NF-40755
174-013	SEISMIC/RELAY	ON	ON	Y					X	NF-39218-4	NF-40755
174-014	SEISMIC/RELAY	ON	ON	Y					X	NF-39218-4	NF-40755
CD-34072	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39802-1	NF-40755
CD-34073	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39802-1	NF-40755
CD-34074	SEISMIC/RELAY	CLOSED	OPEN (FO)	N					X	NF-39802-1	NF-40755
CD-34075	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39802-1	NF-40755
CD-34076	SEISMIC/RELAY	CLOSED	OPEN(FO)	N					X	NF-39802-1	NF-40755

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIPMENT CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U1SSEL	ZC	10	CD-34077	13 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	779	IN DUCT 15/308	
U1SSEL	ZC	10	CD-34078	14 FCU DISCH TO CNTMT DOME CD	CNTMT	758	IN DUCT 8/332	
U1SSEL	ZC	10	CD-34079	14 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	782	IN DUCT 8/340	
U1SSEL	ZE	10	174-051	12 AUXILIARY FEEDWATER PUMP MOTOR FAN COIL UNIT	TURB	705	F.1/9.3	
U1SSEL	ZG	9	032-011	121 D1 DIESEL GENERATOR EXHAUST FAN	TURB	715	JA.8/2.7	
U1SSEL	ZG	9	032-012	122 DIESEL GENERATOR ROOM EXHAUST FAN	TURB	715	JA.4/2.7	
U1SSEL	ZG	9	032-041	121 D1 DIESEL GENERATOR SUPPLY FAN	TURB	715	JA.8/2.4	
U1SSEL	ZG	9	032-042	122 D2 DIESEL GENERATOR SUPPLY FAN	TURB	715	JA.4/2.4	
U1SSEL	ZG	10	CD-34049	121/122 DSL GEN RM OUTS AIR CD	TURB	725	IN DUCT JA.5/1.0	
U1SSEL	ZX	20	18480	11 CRDM SHROUD CLG COIL TRN A PDS	CNTMT	749	13/330	
U1SSEL	ZX	20	18481	12 CRDM SHROUD CLG COIL TRN B PDS	CNTMT	728	10.7/305	
U1SSEL	ZX	20	18482	11 & 13 CNTMT FAN COIL UNITS TRN A PDS	AUX	704	J.0/7.0	
U1SSEL	ZX	20	18483	12 & 14 CNTMT FAN COIL UNITS TRN B PDS	AUX	702	J.0/6.0	
U1SSEL	ZX	7	CV-39401	11/13 FCU LOOP A CLG WTR SUPPLY CV	AUX	704	IN 10" LINE J.0/8.0	
U1SSEL	ZX	7	CV-39402	11/13 FCU CHILLED WTR SUPPLY CV	AUX	702	IN 10" LINE J.0/6.0	
U1SSEL	ZX	7	CV-39403	12/14 FCU CLG WTR SUPPLY CV	AUX	702	IN 10" LINE J.0/8.0	
U1SSEL	ZX	7	CV-39404	12/14 FCU CHILLED WTR SUPPLY CV	AUX	702	IN 10" LINE J.0/8.0	
U1SSEL	ZX	7	CV-39405	11 SHROUD CLG COILS TR A CHILLED WTR SUPPLY CV	CNTMT	749	IN 4" LINE 14.7/325	
U1SSEL	ZX	7	CV-39408	12 SHROUD CLG COILS TR B CHILLED WTR SUPPLY CV	CNTMT	725	IN 4" LINE 18.8/310	
U1SSEL	ZX	7	CV-39409	12/14 FCU CLG WTR RETURN CV	AUX	704	IN 10" LINE J.0/7.0	
U1SSEL	ZX	7	CV-39411	11/13 FCU CLG WTR RETURN CV	AUX	704	IN 10" LINE J.0/7.0	
U1SSEL	ZX	8	SV-37480	UNIT 1 TRAIN A CHILL WTR/CLG WTR ISOL SV	CNTMT	749	13/330	
U1SSEL	ZX	8	SV-37481	UNIT 1 TRAIN B CHILL WTR/CLG WTR ISOL SV	CNTMT	728		
U1SSEL	ZX	8	SV-37482	UNIT 1 TRAIN A CHILL WTR/CLG WTR ISOL SV	AUX	704		
U1SSEL	ZX	8	SV-37483	UNIT 1 TRAIN B CHILL WTR/CLG WTR ISOL SV	AUX	702		
U2SSEL	AF	5	246-331	21 AUXILIARY FEEDWATER PUMP MOTOR DRIVEN	TURB	895	F.5/8.8	
U2SSEL	AF	7	CV-31418	21 MD AUX FW PMP RCRC/LUBE OIL CLG CV	TURB	715		
U2SSEL	AF	7	CV-31419	22 TD AUX FW PMP RCRC/LUBE OIL CLG CV	TURB	715		
U2SSEL	AF	7	CV-31999	MAIN STEAM SUPPLY TO 22 TD AFW PUMP CV	TURB	897		



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SSEL COMPONENT ID	SOU EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
CD-34077	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39602-1	NF-40755
CD-34078	SEISMIC/RELAY	CLOSED	OPEN(F0)	N					X	NF-39602-1	NF-40755
CD-34079	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39602-1	NF-40755
174-051	SEISMIC/RELAY	OFF	ON	Y				X	X	NF-39803-2	NF-40758
032-011	SEISMIC/RELAY	OFF	ON	Y					X	NF-39601	NF-40328
032-012	SEISMIC/RELAY	OFF	ON	Y					X	NF-39601	NF-40328
032-041	SEISMIC/RELAY	OFF	ON	Y					X	NF-39603-1	NF-40328
032-042	SEISMIC/RELAY	OFF	ON	Y					X	NF-39601	NF-40328
CD-34049	SEISMIC/RELAY	CLOSED	OPEN (F0a)	N					X	NF-39601	NF-40328
18460	RELAY	OPERABLE	OPERABLE	N					X	NF-88172-1 TO 8	NF-88188
18461	RELAY	OPERABLE	OPERABLE	N					X	NF-88172-1 TO 8	NF-88188
18462	RELAY	OPERABLE	OPERABLE	N					X	NF-88172-1 TO 8	NF-88188
18463	RELAY	OPERABLE	OPERABLE	N					X	NF-88172-1 TO 8	NF-88188
CV-39401	SEISMIC/RELAY	CLOSED	OPEN (F0)	N					X	NF-39216-3	NF-86186
CV-39402	SEISMIC/RELAY	OPEN	CLOSED(FC)	N					X	NF-39216-3	NF-86186
CV-39403	SEISMIC/RELAY	CLOSED	OPEN (F0)	N					X	NF-39216-3	NF-86186
CV-39404	SEISMIC/RELAY	OPEN	CLOSED(FC)	N					X	NF-39216-3	NF-86186
CV-39405	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39216-4	NF-86186
CV-39406	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39216-4	NF-86186
CV-39409	SEISMIC/RELAY	CLOSED	OPEN (F0)	N					X	NF-39216-3	NF-86186
CV-39411	SEISMIC/RELAY	CLOSED	OPEN (F0)	N					X	NF-39216-3	NF-86186
SV-37460	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 8	NF-86186
SV-37461	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 8	NF-86186
SV-37462	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	H					X	NF-88172-1 TO 8	NF-86186
SV-37463	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-88172-1 TO 8	NF-86186
245-331	SEISMIC/RELAY	OFF	ON	Y				X		NF-39223	NF-40767
CV-31418	SEISMIC/RELAY	CLOSED	OPEN (F0)	N				X		NF-39223	NF-40767
CV-31419	SEISMIC/RELAY	CLOSED	OPEN (F0)	N				X		NF-39223	NF-40767
CV-31989	SEISMIC/RELAY	CLOSED	OPEN (F0)	N				X		NF-39219	NF-40767

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIPMENT CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	AF	8	MV-32246	22 TO AUX FW TO 21 STM GEN MV	TURB	703	IN 3" LINE F.6/9.8	
U2SSEL	AF	8	MV-32247	22 TO AUX FW TO 22 STM GEN MV	TURB	703	IN 3" LINE F.6/9.8	
U2SSEL	AF	8	MV-32248	21/22 AUX FW TO 21 STM GEN ISOL MV	AUX	736	IN 3" LINE N.4/11.8	
U2SSEL	AF	8	MV-32249	21/22 AUX FW TO 22 STM GEN ISOL MV	AUX	738	IN 3" LINE J.6/12.2	
U2SSEL	AF	8	MV-32383	21 AFWP DSCH TO 21 STM GEN MV	TURB	703	IN 3" LINE F.8/9.5	
U2SSEL	AF	8	MV-32384	21 AFWP DSCH TO 22 STM GEN MV	TURB	703	IN 3" LINE F.8/9.5	
U2SSEL	CL	7	CV-39200	21 & 23 FCU CLG WTR RTN ORIF B-P CV	AUX	723	IN 10" LINE K.5/12.0	
U2SSEL	CL	7	CV-39202	22 & 24 FCU CLG WTR RTN ORIF B-P CV	AUX	736	IN 10" LINE J.7/12.0	
U2SSEL	CL	8	MV-32026	21 MD AFW PUMP SUCT CLG WTR SUPPLY MV	TURB	707	IN 4" LINE F.2/9.5	
U2SSEL	CL	8	MV-32030	22 TO AFW PUMP SUCT CLG WTR SUPPLY MV	TURB	707	IN 4" LINE F.2/9.7	
U2SSEL	CL	8	MV-32033	2 TURB BLDG CLG WTR HDR MV	TURB	710	IN 24" LINE B.8/9.8	
U2SSEL	CL	8	MV-32147	21 FC CLG WTR RTRN ISOL MV A	CNTMT	723	IN 8" LINE 2/44	
U2SSEL	CL	8	MV-32148	21 FC CLG WTR RTRN ISOL MV B	AUX	725	IN 8" LINE J.9/11.8	
U2SSEL	CL	8	MV-32150	22 FC CLG WTR RTRN ISOL MV A	CNTMT	738	IN 8" LINE 3/56	
U2SSEL	CL	8	MV-32151	22 FC CLG WTR RTRN ISOL MV B	AUX	740	IN 8" LINE J.8/12.1	
U2SSEL	CL	8	MV-32153	23 FC CLG WTR RTRN ISOL MV A	CNTMT	723	IN 8" LINE 2/40	
U2SSEL	CL	8	MV-32154	23 FC CLG WTR RTRN ISOL MV B	AUX	725	IN 8" LINE J.8/11.9	
U2SSEL	CL	8	MV-32156	24 FC CLG WTR RTRN ISOL MV A	CNTMT	738	IN 8" LINE 3/64	
U2SSEL	CL	8	MV-32157	24 FC CLG WTR RTRN ISOL MV B	AUX	740	IN 8" LINE J.7/12.0	
U2SSEL	CL	8	MV-32180	21 CC HX CLG WTR INLET MV	AUX	705	IN 12" LINE G.2/9.3	
U2SSEL	CL	8	MV-32181	22 CC HX CLG WTR INLET MV	AUX	704	IN 12" LINE G.3/9.7	
U2SSEL	CL	8	MV-32328	21 AUX BLDG CLG WTR RTRN HDR MV	AUX	707	IN 24" LINE J.2/10.8	
U2SSEL	CL	8	MV-32372	21/22 TURB OIL COOLERS CLG WTR BYPASS MV	TURB	710	IN 4" LINE E.8/9.9	
U2SSEL	CL	8	MV-32386	21 FC CLG WTR INLT ISOL MV	AUX	727	IN 8" LINE J.7/12.1	
U2SSEL	CL	8	MV-32387	22 FC CLG WTR INLT ISOL MV	AUX	748	IN 8" LINE J.8/11.7	
U2SSEL	CL	8	MV-32388	23 FC CLG WTR INLT ISOL MV	AUX	729	IN 8" LINE J.6/12.2	
U2SSEL	CL	8	MV-32389	24 FC CLG WTR INLT ISOL MV	AUX	744	IN 8" LINE J.8/11.7	
U2SSEL	EA	3	BKR 25-15	BUS 25 FEED TO 11A XFMR	D5/D6	718	G.8/18.0	BUS 25
U2SSEL	EA	3	BKR 25-18	BUS 25 SOURCE FROM 2RY XFMR	D5/D6	718	G.8/18.0	BUS 25

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SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
MV-32246	SEISMIC/RELAY	OPEN	CLOSED	Y				X		NF-38223	NF-40767
MV-32247	RELAY	OPEN	OPEN	N				X		NF-38223	NF-40767
MV-32248	RELAY	OPEN	OPEN	N				X		NF-38223	NF-40767
MV-32249	RELAY	OPEN	OPEN	N				X		NF-38223	NF-40767
MV-32383	RELAY	OPEN	OPEN	N				X		NF-38223	NF-40767
MV-32384	SEISMIC/RELAY	OPEN	CLOSED	Y				X		NF-38223	NF-40767
CV-39200	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-40315
CV-39202	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-40315
MV-32026	SEISMIC/RELAY	CLOSED	OPEN	Y				X		NF-39216-2	NF-40767
MV-32030	SEISMIC/RELAY	CLOSED	OPEN	Y				X		NF-39217-1	NF-40767
MV-32033	SEISMIC/RELAY	OPEN	OPERABLE	Y				X		NF-39217-1	NF-40315
MV-32147	RELAY	OPEN	OPEN	N				X		NF-39217-3	NF-40315
MV-32148	RELAY	OPEN	OPEN	N				X		NF-39217-2	NF-40315
MV-32150	RELAY	OPEN	OPEN	N				X		NF-39217-3	NF-40315
MV-32151	RELAY	OPEN	OPEN	N				X		NF-39217-2	NF-40315
MV-32153	RELAY	OPEN	OPEN	N				X		NF-39217-3	NF-40315
MV-32154	RELAY	OPEN	OPEN	N				X		NF-39217-2	NF-40315
MV-32156	RELAY	OPEN	OPEN	N				X		NF-39217-3	NF-40315
MV-32157	RELAY	OPEN	OPEN	N				X		NF-39217-2	NF-40315
MV-32160	SEISMIC/RELAY	OPEN	OPERABLE	Y				X		NF-39217-2	NF-40315
MV-32161	SEISMIC/RELAY	OPEN	OPERABLE	Y				X		NF-39217-2	NF-40315
MV-32329	RELAY	CLOSED	CLOSED	N				X		NF-39217-2	NF-40315
MV-32372	RELAY	CLOSED	CLOSED	N				X		NF-39217-1	NF-40315
MV-32386	RELAY	OPEN	OPEN	N				X		NF-39217-2	NF-40315
MV-32387	RELAY	OPEN	OPEN	N				X		NF-39217-2	NF-40315
MV-32388	RELAY	OPEN	OPEN	N				X		NF-39217-2	NF-40315
MV-32389	RELAY	OPEN	OPEN	N				X		NF-39217-2	NF-40315
BKR 25-15	ROBI/RELAY	OPEN	OPEN	N					X	NF-40002-5	NF-40019
BKR 25-16	ROBI/RELAY	CLOSED	OPEN	Y					X	NF-40002-5	NF-40019

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIPMENT CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	EA	3	BKR 25-17	BUSTIE BUS 25/BUS 15	05/08	718	G.8/16.0	BUS 25
U2SSEL	EA	3	BKR 25-2	BUS 25 SOURCE FROM D5 DSL GEN	05/08	718	G.8/16.0	BUS 25
U2SSEL	EA	3	BKR 25-3	BUS 25 FEED TO 212M XFMR	05/08	718	G.8/16.0	BUS 25
U2SSEL	EA	3	BKR 25-5	BUS 25 SOURCE FROM CT12	05/08	718	G.8/16.0	BUS 25
U2SSEL	EA	3	BKR 25-8	BUS 25 FEED TO 211M XFMR	05/08	718	G.8/16.0	BUS 25
U2SSEL	EA	3	BKR 26-1	BUSTIE BUS 26/BUS 16	05/08	718	J.2/16.0	BUS 26
U2SSEL	EA	3	BKR 26-12	BUS 26 FEED TO 221M XFMR	05/08	718	J.2/16.0	BUS 26
U2SSEL	EA	3	BKR 26-13	BUS 26 SOURCE FROM CT12	05/08	718	J.2/16.0	BUS 26
U2SSEL	EA	3	BKR 26-15	BUS 26 FEED TO 222M XFMR	05/08	718	J.2/16.0	BUS 26
U2SSEL	EA	3	BKR 26-18	BUS 26 SOURCE FROM D6 DSL GEN	05/08	718	J.2/16.0	BUS 26
U2SSEL	EA	3	BKR 26-2	BUS 26 SOURCE FROM 2RY XFMR	05/08	718	J.2/16.0	BUS 26
U2SSEL	EA	3	BKR 26-3	BUS 26 FEED TO 12A XFMR	05/08	718	J.2/16.0	BUS 26
U2SSEL	EA	3	BUS 25	BUS 25 4.16KV SWITCHGEAR	05/08	718	G.8/16.0	
U2SSEL	EA	3	BUS 26	BUS 26 4.16KV SWITCHGEAR	05/08	718	J.2/16.0	
U2SSEL	EB	2	BKR 211A	480V 211 SOURCE FROM 21A XFMR	05/08	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211C	480V MCC 1A BUS 1 ALTERNATE FEED	05/08	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211D	21 D5 DSL RM COOLING FAN	05/08	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211E	480V MCC 2A BUS 1 FEEDER FROM 211	05/08	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211F	MCC 2AC1	05/08	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211J	480V MCC 2K BUS 1 FEEDER FROM 211	05/08	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211K	480V MCC 2TA BUS 1 FEEDER FROM 211	05/08	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 211M	BUS 211 SOURCE FROM 211M XFMR	05/08	735	G.8/15.8 211 BUS ROOM	BUS 211
U2SSEL	EB	2	BKR 212A	BUS 212 SOURCE FROM 21A XFMR	05/08	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 212C	480V MCC 2S BUS 1 FEEDER FROM 212	05/08	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 212E	480V MCC 2L BUS 1 FEEDER FROM 212	05/08	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 212G	MCC 1T1 (ALTERNATE FEED)	05/08	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 212J	MCC 2K1	05/08	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 212K	480V MCC 2M BUS 1 FEEDER FROM 212	05/08	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 212L	480V MCC 2LA1 BUS 1 FEEDER FROM 212	05/08	735	H.2/15.8 212 BUS ROOM	BUS 212

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SSEL COMPONENT ID	SOUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
BKR 25-17	ROBIRELAY	OPEN	OPEN	N					X	NF-40002-5	NF-40019
BKR 25-2	ROBIRELAY	OPEN	CLOSED	Y					X	NF-40002-5	NF-40019
BKR 25-3	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40002-5	NF-40019
BKR 25-5	ROBIRELAY	OPEN	OPEN	N					X	NF-40002-5	NF-40019
BKR 25-8	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40002-5	NF-40019
BKR 26-1	ROBIRELAY	OPEN	OPEN	N					X	NF-40002-5	NF-40019
BKR 26-12	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40002-5	NF-40019
BKR 26-13	ROBIRELAY	CLOSED	OPEN	Y					X	NF-40002-5	NF-40019
BKR 26-15	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40002-5	NF-40019
BKR 26-16	ROBIRELAY	OPEN	CLOSED	Y					X	NF-40002-5	NF-40019
BKR 26-2	ROBIRELAY	OPEN	OPEN	N					X	NF-40002-5	NF-40019
BKR 26-3	ROBIRELAY	OPEN	OPEN	N					X	NF-40002-5	NF-40019
BUS 25	IEEE 344IRELAY	INTACT	INTACT	Y					X	NF-40002-5	NF-40019
BUS 26	IEEE 344IRELAY	INTACT	INTACT	Y					X	NF-40002-5	NF-40019
BKR 211A	ROBIRELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 211C	ROBIRELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 211D	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 211E	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 211F	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 211J	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 211K	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 211M	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 212A	ROBIRELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 212C	ROBIRELAY	CLOSED	CLOSED	Y					X	NF-40022-2	NF-40015
BKR 212E	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 212G	ROBIRELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 212J	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 212K	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 212L	ROBIRELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIPMENT CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	EB	2	BKR 212M	BUS 212 SOURCE FROM 212M XFMR	05/08	735	H.2/15.8 212 BUS ROOM	BUS 212
U2SSEL	EB	2	BKR 221A	BUS 221 SOURCE FROM 22A XFMR	05/08	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221B	480V MCC 2KA BUS 2 FEEDER FROM 221	05/08	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221C	480V MCC BUS 1AB BUS 2 NORMAL FEED	05/08	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221D	22 D8 DSL RM COOLING FAN	05/08	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221E	480V MCC 2A BUS 2 FEEDER FROM 221	05/08	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221F	MCC 2AC2	05/08	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221J	480V MCC 2K BUS 2 FEEDER FROM 221	05/08	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221K	480V MCC 2TA BUS 2 FEEDER FROM 221	05/08	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 221M	BUS 221 SOURCE FROM 221M XFMR	05/08	735	H.8/15.8 221 BUS ROOM	BUS 221
U2SSEL	EB	2	BKR 222A	BUS 222 SOURCE FROM 22A XFMR	05/08	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222C	480V MCC 2R BUS 2 FEEDER FROM 222	05/08	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222E	480V MCC 2L BUS 2 FEEDER FROM 222	05/08	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222G	MCC 1T2 (ALTERNATE FEED)	05/08	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222J	MCC 2X2	05/08	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222K	480V MCC 2M BUS 2 FEEDER FROM 222	05/08	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222L	480V MCC 2LA BUS 2 FEEDER FROM 222	05/08	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EB	2	BKR 222M	BUS 222 SOURCE FROM 222M XFMR	05/08	735	J.2/15.8 222 BUS ROOM	BUS 222
U2SSEL	EM	18	2LT-487	21 STM GEN LOOP A WR LVL XMTR	CNTMT	718	ON SHLD WALL 14/240	
U2SSEL	EM	18	2LT-488	22 STM GEN LOOP B WR LVL XMTR	CNTMT	718	ON SHLD WALL 10/80	
U2SSEL	EM	18	2LT-751	21 RX VSL HEAD UPPER RNG TRN A D/P XMTR	AUX	735	ON INSTR RACK J.5/13.4	
U2SSEL	EM	18	2LT-753	21 RX VSL HEAD DYNAMIC RNG TRN A D/P XMTR	AUX	735	ON INSTR RACK J.5/13.4	
U2SSEL	EM	18	2LT-781	22 RX VSL HEAD UPPER RNG TRN B D/P XMTR	AUX	735	ON INSTR RACK J.5/13.8	
U2SSEL	EM	18	2LT-783	22 RX VSL HEAD DYNAMIC RNG TRN B D/P XMTR	AUX	735	ON INSTR RACK J.5/13.8	
U2SSEL	EM	18	2LT-920	21 RWST LVL XMTR	AUX	700	ON W SIDE WALL J.3/13.8	
U2SSEL	EM	18	2LT-921	21 RWST LVL XMTR	AUX	700	ON W SIDE WALL J.3/13.8	
U2SSEL	EM	18	2TE-450A	2 RC LOOP A HOT LEG RTD	CNTMT	723	IN 28" LINE 31/223	
U2SSEL	EM	18	2TE-451A	2 RC LOOP B HOT LEG RTD	CNTMT	723	IN 28" LINE 28/78	
U2SSEL	MS	7	CV-31102	21 STM GEN POWER OPERATED RELIEF CV	AUX	735		

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SSEL COMPONENT ID	SQUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
BKR 212M	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 221A	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 221B	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 221C	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 221D	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 221E	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 221F	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 221J	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 221K	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 221M	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 222A	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 222C	ROB/RELAY	CLOSED	CLOSED	Y					X	NF-40022-2	NF-40015
BKR 222E	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 222G	ROB/RELAY	OPEN	OPEN	N					X	NF-40022-2	NF-40015
BKR 222J	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 222K	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 222L	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
BKR 222M	ROB/RELAY	CLOSED	CLOSED	N					X	NF-40022-2	NF-40015
2LT-487	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39219	
2LT-488	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39219	
2LT-751	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2LT-753	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2LT-761	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2LT-763	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2LT-920	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X				XH-1001-7	NF-40783
2LT-921	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X				XH-1001-7	NF-40783
2TE-450A	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		XH-1001-3	
2TE-451A	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		XH-1001-3	
CV-31102	SEISMIC/RELAY	CLOSED	OPEN (FC)	N				X		NF-39219	NF-40774

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIPMENT CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	MS	7	CV-31107	22 STM GEN POWER OPERATED RELIEF CV	AUX	759		
U2SSEL	MS	7	CV-31118	21 LOOP A MN STM HDR ISOL CV	AUX	726		
U2SSEL	MS	7	CV-31117	22 LOOP A MN STM HDR ISOL CV	AUX	739		
U2SSEL	MS	8	MV-32019	21 SIG STEAM SUPPLY TO 22 TD AFW PUMP MV	AUX	739	IN 3" LINE N.7/11.7	
U2SSEL	MS	8	MV-32020	22 SIG STEAM SUPPLY TO 22 TD AFW PUMP MV	AUX	739	IN 3" LINE J.1/12.3	
U2SSEL	MS	8	MV-32048	21 MSIV BYPASS MV	AUX	726	ON VLV N.5/11.6	
U2SSEL	MS	8	MV-32050	22 MSIV BYPASS MV	AUX	741	ON VLV J.2/12.2	
U2SSEL	NI	0	2NE-51	EXCORE DETECTION TRN A DETECTOR ASSY	CNTMT	712		
U2SSEL	NI	0	2NE-52	EXCORE DETECTION TRN B DETECTOR ASSY	CNTMT	721		
U2SSEL	RC	7	CV-31233	2 PRZR PORV B CV	CNTMT	784	IN 3" LINE 28/1	
U2SSEL	RC	7	CV-31234	2 PRZR PORV A CV	CNTMT	784	IN 3" LINE 25/358	
U2SSEL	RP	2	2-52/RTA	REACTOR TRIP BREAKER	AUX	735	U2 ROD DRIVE RM	
U2SSEL	RP	2	2-52/RTB	REACTOR TRIP BREAKER	AUX	735	U2 ROD DRIVE RM	
U2SSEL	RP	18	2LT-428	2 REAC CLNT LOOP PRZR (CHNNL I-RED) LVL XMTR	CNTMT	720	ON N SIDE WALL 18/351	
U2SSEL	RP	18	2LT-428	2 REAC CLNT LOOP PRZR (CHNNL III-BLU) LVL XMTR	CNTMT	720	ON W SIDE WALL 33/334	
U2SSEL	RP	18	2PT-428	2 REAC CLNT LOOP PRZR (CHNNL I-RED) P XMTR	CNTMT	720	ON N SIDE WALL 18/351	
U2SSEL	RP	18	2PT-431	2 REAC CLNT LOOP PRZR (CHNNL III-BLU) P XMTR	CNTMT	720	ON W SIDE WALL 33/334	
U2SSEL	RP	18	2PT-468	21 STM GEN MN STM HDR (CHNNL I-RED) P XMTR	AUX	735	CONTROL PANEL D-2	
U2SSEL	RP	18	2PT-478	22 STM GEN MN STM HDR (CHNNL III-BLU) P XMTR	AUX	735	CONTROL PANEL D-2	
U2SSEL	RV	8	SV-37091	RCS VENT SYS PRZR VENT SV	CNTMT	760	IN 1" LINE 28/330	
U2SSEL	RV	8	SV-37092	RCS VENT SYS PRZR VENT SV	CNTMT	760	IN 1" LINE 28/330	
U2SSEL	RV	8	SV-37093	RCS VENT SYS REACTOR HEAD VENT SV	CNTMT	760		
U2SSEL	RV	8	SV-37094	RCS VENT SYS REACTOR HEAD VENT SV	CNTMT	760		
U2SSEL	RV	8	SV-37095	RCS VENT SYS TO PRT SV	CNTMT	760		
U2SSEL	RV	8	SV-37096	RCS VENT SYS TO CNTMT ATMOS SV	CNTMT	760		
U2SSEL	SB	7	CV-31610	21 SGB TO 21 SGB FLASH TANK FLOW CV	AUX	724	IN 2" LINE L.7/10.8	
U2SSEL	SB	7	CV-31611	22 SGB TO 21 SGB FLASH TANK FLOW CV	AUX	724	IN 2" LINE L.8/10.7	
U2SSEL	SM	7	CV-31639	21 SGB SMPL ISOL CV A	CNTMT	738	IN 3/8" LINE 2/87	
U2SSEL	SM	7	CV-31640	22 SGB SMPL ISOL CV A	CNTMT	738	IN 3/8" LINE 2/89	



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SSEL COMPONENT ID	SQUG EVAL TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
CV-31107	SEISMIC/RELAY	CLOSED	OPEN (FC)	N				X		NF-39219	NF-40774
CV-31116	SEISMIC/RELAY	OPEN	CLOSED (FC AIR)	Y				X		NF-39219	NF-40774
CV-31117	SEISMIC/RELAY	OPEN	CLOSED (FC AIR)	Y				X		NF-39219	NF-40774
MV-32019	RELAY	OPEN	OPEN	N				X		NF-39219	NF-40774
MV-32020	RELAY	OPEN	OPEN	N				X		NF-39219	NF-40774
MV-32048	RELAY	CLOSED	CLOSED	N				X		NF-39219	NF-40774
MV-32050	RELAY	CLOSED	CLOSED	N				X		NF-39219	NF-40774
2NE-51	SEISMIC/RELAY	INDICATING	INDICATING	Y	X					NF-40619-5	
2NE-52	SEISMIC/RELAY	INDICATING	INDICATING	Y	X					NF-40619-5	
CV-31233	RELAY	CLOSED	CLOSED	N		X	X			XH-1001-3	NF-40780
CV-31234	RELAY	CLOSED	CLOSED	N		X	X			XH-1001-3	NF-40780
2-52/RTA	SEISMIC/RELAY	CLOSED	OPEN (FO)	N	X					NF-40820-8	
2-52/RTB	SEISMIC/RELAY	CLOSED	OPEN (FO)	N	X					NF-40820-8	
2LT-428	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2LT-428	SEISMIC/RELAY	INDICATING	INDICATING	Y		X				XH-1001-3	
2PT-429	SEISMIC/RELAY	INDICATING	INDICATING	Y			X			XH-1001-3	
2PT-431	SEISMIC/RELAY	INDICATING	INDICATING	Y			X			XH-1001-3	
2PT-468	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39219	
2PT-478	SEISMIC/RELAY	INDICATING	INDICATING	Y				X		NF-39219	
SV-37091	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37092	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37093	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37094	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37095	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
SV-37099	SEISMIC/RELAY	CLOSED	OPERABLE (FC)	Y		X	X			XH-1001-3	NF-40781
CV-31610	RELAY	CLOSED	CLOSED	N				X		NF-39250	NF-40775
CV-31611	RELAY	CLOSED	CLOSED	N				X		NF-39250	NF-40775
CV-31639	RELAY	CLOSED	CLOSED	N				X		NF-39238	NF-40332
CV-31640	RELAY	CLOSED	CLOSED	N				X		NF-39238	NF-40332

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APPLICABLE UNIT	PLANT SYSTEM	SOUG EQUIPMENT CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BOX
U2SSEL	SM	8	MV-32406	21 PRZR STEAM SAMPLE ISOL (INSIDE) MV	CNTMT	766	IN 3/8" LINE 20/6	
U2SSEL	SM	8	MV-32408	21 PRZR LIQUID SAMPLE MV	CNTMT	745	IN 3/8" LINE 25/336	
U2SSEL	SM	9	MV-32410	21 RC LOOP HOT LEG SAMPLE MV	CNTMT	715	IN 3/8" LINE 27/63	
U2SSEL	VC	5	245-041	21 CHARGING PUMP	AUX	895	H.5/10.4	
U2SSEL	VC	5	245-042	22 CHARGING PUMP	AUX	895	H.5/11.0	
U2SSEL	VC	18	2LT-112	21 VOL CONT TANK LVL XMTR	AUX	720		
U2SSEL	VC	7	CV-31211	CHG LN TO 21 REGEN HT EXGR CV	AUX	717	IN 2" LINE L.4/11.3	
U2SSEL	VC	7	CV-31230	2 REAC CLNT LOOP PRZR LTDN LN ISOL CV A	CNTMT	705	IN 2" LINE GRID G28/4	
U2SSEL	VC	7	CV-31279	2 REAC CLNT LOOP PRZR LTDN LN ISOL CV B	CNTMT	705	IN 2" LINE GRID S2/4	
U2SSEL	VC	7	CV-31422	2 EXCESS LETDOWN HX INLET ISOL CV	CNTMT	700	IN 1" LINE 23/142	
U2SSEL	VC	7	CV-31425	21/22 RCP SEAL BYPASS RETURN CV	CNTMT	700	IN 3/4" LINE 30/89	
U2SSEL	VC	7	CV-31426	21 REAC CLNT PMP SL WTR OUTL ISOL CV	CNTMT	738	IN 2" LINE 15/174	
U2SSEL	VC	7	CV-31427	22 REAC CLNT PMP SL WTR OUTL ISOL CV	CNTMT	734	IN 2" LINE 18/25	
U2SSEL	VC	8	MV-32062	21 RWST TO CHG PUMP SUCT MV	AUX	899	IN 4" LINE H.8/10.8	
U2SSEL	VC	8	MV-32063	21 VCT OUTLET TO CHG PUMP SUCT HEADER MV	AUX	707	IN 4" LINE H.7/11.1	
U2SSEL	VC	8	MV-32194	2 REAC EXCS LTDN LINE ISOL MV A	AUX	720	IN 3" LINE L.5/11.2	
U2SSEL	VC	8	MV-32210	2 RCP SEAL RETURN/EXCESS LETDOWN ISOL TRN B MV	CNTMT	720	IN 3" LINE 1/88	
U2SSEL	ZC	10	274-011	21 CONTAINMENT FAN-COIL UNIT	CNTMT	715	29/270	
U2SSEL	ZC	10	274-012	22 CONTAINMENT FAN-COIL UNIT	CNTMT	715	22/320	
U2SSEL	ZC	10	274-013	23 CONTAINMENT FAN-COIL UNIT	CNTMT	733	12/15	
U2SSEL	ZC	10	274-014	24 CONTAINMENT FAN-COIL UNIT	CNTMT	765	14/10	
U2SSEL	ZC	10	CD-34080	21 FCU DISCH TO CNTMT DOME CD	CNTMT	737	IN DUCT 25/270	
U2SSEL	ZC	10	CD-34081	21 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	741	IN DUCT 28/270	
U2SSEL	ZC	10	CD-34082	22 FCU DISCH TO CNTMT DOME CD	CNTMT	742	IN DUCT 23/301	
U2SSEL	ZC	10	CD-34083	22 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	740	IN DUCT 27/286	
U2SSEL	ZC	10	CD-34084	23 FCU DISCH TO CNTMT DOME CD	CNTMT	763		
U2SSEL	ZC	10	CD-34085	23 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	761		
U2SSEL	ZC	10	CD-34086	24 FCU DISCH TO CNTMT DOME CD	CNTMT	777		
U2SSEL	ZC	10	CD-34087	24 FCU NORM DISCH TO GAP & STRUCT CD	CNTMT	778		

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SSEL COMPONENT ID	SOU EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITION/STATUS	POWER REQUIRED Y/N	RX	IN	PR	DH	SS	FLOW DIAG	LOGIC DIAG
MV-32408	RELAY	CLOSED	CLOSED	N		X	X			NF-39238	NF-40332
MV-32408	RELAY	CLOSED	CLOSED	N		X	X			NF-39238	NF-40332
MV-32410	RELAY	CLOSED	CLOSED	N		X	X			NF-39238	NF-40332
245-041	SEISMIC/RELAY	ON	ON	Y	X	X	X			XH-1001-5	NF-40784
245-042	SEISMIC/RELAY	ON	ON	Y	X	X	X			XH-1001-5	NF-40784
2LT-112	SEISMIC/RELAY	INDICATING	INDICATING	Y	X	X	X			XH-1001-5	NF-40784
CV-31211	RELAY	OPEN	OPEN	N	X	X	X			XH-1001-5	NF-40784
CV-31230	SEISMIC/RELAY	OPEN	CLOSED(FC)	N	X	X	X			XH-1001-3	NF-40784
CV-31279	SEISMIC/RELAY	OPEN	CLOSED(FC)	N	X	X	X			XH-1001-3	NF-40784
CV-31422	RELAY	CLOSED	CLOSED(FC)	N	X	X	X			XH-1001-4	NF-40784
CV-31425	RELAY	CLOSED	CLOSED(FC)	N	X	X	X			XH-1001-4	NF-40784
CV-31426	RELAY	OPEN	OPEN (FO)	N	X	X	X			XH-1001-4	NF-40784
CV-31427	RELAY	OPEN	OPEN (FO)	N	X	X	X			XH-1001-4	NF-40784
MV-32062	SEISMIC/RELAY	CLOSED	OPEN	Y	X	X	X			XH-1001-5	NF-40784
MV-32063	SEISMIC/RELAY	OPEN	CLOSED	Y	X	X	X			XH-1001-5	NF-40784
MV-32194	SEISMIC/RELAY	OPEN	OPERABLE	Y	X	X	X			XH-1001-4	NF-40784
MV-32210	SEISMIC/RELAY	OPEN	OPERABLE	Y	X	X	X			XH-1001-4	NF-40784
274-011	SEISMIC/RELAY	ON	ON	Y					X	NF-39217-3	NF-40780
274-012	SEISMIC/RELAY	ON	ON	Y					X	NF-39217-3	NF-40780
274-013	SEISMIC/RELAY	ON	ON	Y					X	NF-39217-3	NF-40780
274-014	SEISMIC/RELAY	ON	ON	Y					X	NF-39217-3	NF-40780
CD-34080	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39802-2	NF-40760
CD-34081	SEISMIC/RELAY	OPEN	CLOSED (FC AIR)	N					X	NF-39802-2	NF-40760
CD-34082	SEISMIC/RELAY	CLOSED	OPEN	N					X	NF-39802-2	NF-40760
CD-34083	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39802-2	NF-40760
CD-34084	SEISMIC/RELAY	CLOSED	OPEN(FO)	N					X	NF-39802-2	NF-40760
CD-34085	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39802-2	NF-40760
CD-34088	SEISMIC/RELA.	CLOSED	OPEN(FO)	N					X	NF-39802-2	NF-40760
CD-34087	SEISMIC/RELAY	OPEN	CLOSED	N					X	NF-39802-2	NF-40760

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APPLICABLE UNIT	PLANT SYSTEM	SQUG EQUIPMENT CLASS	SSEL COMPONENT ID	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	BGX
U2SSEL	ZE	10	274-051	21 AUXILIARY FEEDWATER PUMP MOTOR FAN-COIL UNIT	TURB	705		
U2SSEL	ZX	20	18464	21 & 23 CNTMT FAN COIL UNITS TRN A PDS	AUX	707	J.Q/12.0	
U2SSEL	ZX	20	18485	22 & 24 CNTMT FAN COIL UNITS TRN B PDS	AUX	707	K.2/11.2	
U2SSEL	ZX	20	18466	21 CRDM SHROUD CLG COIL TRN A PDS	AUX	744	J.Q/13.0	
U2SSEL	ZX	20	18467	22 CRDM SHROUD CLG COIL TRN B PDS	CNTMT	783	18.9/35	
U2SSEL	ZX	7	CV-39413	22/24 FCU CLG WTR SUPPLY CV	AUX	710		
U2SSEL	ZX	7	CV-39414	22/24 FCU CHILLED WTR SUPPLY CV	AUX	704		
U2SSEL	ZX	7	CV-39415	21/23 FCU CLG WTR SUPPLY CV	AUX	707	IN 10" LINE	
U2SSEL	ZX	7	CV-39416	21/23 FCU CHILLED WTR SUPPLY CV	AUX	708		
U2SSEL	ZX	7	CV-39417	22 SHROUD CLG COILS TR A CHILLED WTR SUPPLY CV	CNTMT	762		
U2SSEL	ZX	7	CV-39419	21 SHROUD CLG COILS TR B CHILLED WTR SUPPLY CV	CNTMT	760		
U2SSEL	ZX	7	CV-39421	22/24 FCU CLG WTR RETURN CV	AUX	704		
U2SSEL	ZX	7	CV-39423	21/23 FCU CLG WTR RETURN CV	AUX	707	IN 10" LINE GRID K.Q/12.0	
U2SSEL	ZX	8	SV-37464	UNIT 2 TRAIN A CHILL WTR/CLG WTR ISOL SV	AUX	707		
U2SSEL	ZX	8	SV-37465	UNIT 2 TRAIN B CHILL WTR/CLG WTR ISOL SV	AUX	707		
U2SSEL	ZX	8	SV-37466	UNIT 2 TRAIN A CHILL WTR/CLG WTR ISOL SV	AUX	744	J.Q/13.0	
U2SSEL	ZX	8	SV-37467	UNIT 2 TRAIN B CHILL WTR/CLG WTR ISOL SV	CNTMT	783	18.9/35	

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SSEL COMPONENT ID	SOUG EVAL. TYPE	NORMAL POSITION/STATUS	DESIRED POSITIC/STATUS	POWER REQUIRED Y/N	RX	IN	PR	CR	SS	FLOW DIAG	LOGIC DIAG
274 051	SEISMIC/RELAY	OFF	ON	Y				X	X	NF-39603-2	NF-40756
18464	RELAY	OPERABLE	OPERABLE	N					X	NF-86172-1 TO 6	NF-86186
3465	RELAY	OPERABLE	OPERABLE	N					X	NF-86172-1 TO 6	NF-86186
18466	RELAY	OPERABLE	OPERABLE	N					X	NF-86172-1 TO 6	NF-86186
18467	RELAY	OPERABLE	OPERABLE	N					X	NF-86172-1 TO 6	NF-86186
CV-39413	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	H					X	NF-39217-2	NF-86186
CV-39414	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39217-2	NF-86186
CV-39415	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-86186
CV-39416	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39217-2	NF-86186
CV-39417	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39217-3	NF-86186
CV-39418	SEISMIC/RELAY	OPEN	CLOSED (FC)	N					X	NF-39217-3	NF-86186
CV-39421	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-86186
CV-39423	SEISMIC/RELAY	CLOSED	OPEN (FO AIR)	N					X	NF-39217-2	NF-86186
SV-37484	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-86172-1 TO 6	NF-86186
SV-37485	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-86172-1 TO 6	NF-86186
SV-37486	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-86172-1 TO 6	NF-86186
SV-37467	SEISMIC/RELAY	ENERGIZED	DE-ENERGIZED	N					X	NF-86172-1 TO 6	NF-86186

Northern States Power Company  
 Prairie Island Nuclear Generating Plant  
 Unresolved Safety Issue A-46  
 Panels Containing Essential Relays

SSEL COMPONENT DESCRIPTION	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	CLASS
034-011	121 D1 DIESEL GENERATOR	TURB	895	K.5/2.4	17
034-021	D2 DIESEL GENERATOR	TURB	895	H.3/2.4	17
075-011	121 CONTROL ROOM WATER CHILLER	AUX	755	G.7/8.0	11
075-012	122 CONTROL ROOM WATER CHILLER	AUX	755	G.7/10.0	11
1AMR1	MISCELLANEOUS RELAY RACK 1AMR1	AUX	715	RELAY ROOM	20
1ASG1	SAFEGUARD RELAY RACK 1ASG1	AUX	715	RELAY ROOM	20
1ASG2	SAFEGUARD RELAY RACK 1ASG2	AUX	715	RELAY ROOM	20
1BSG1	SAFEGUARD RELAY RACK 1BSG1	AUX	715	RELAY ROOM	20
1BSG2	SAFEGUARD RELAY RACK 1BSG2	AUX	715	RELAY ROOM	20
2AMR1	MISCELLANEOUS RELAY RACK 2AMR1	AUX	735		20
2ASG1	SAFEGUARD RELAY RACK 2ASG1	AUX	735		20
2ASG2	SAFEGUARD RELAY RACK 2ASG2	AUX	735		20
2BSG1	SAFEGUARD RELAY RACK 2BSG1	AUX	715		20
2BSG2	SAFEGUARD RELAY RACK 2BSG2	AUX	715		20
50000	D5 DSL GEN BENCHBOARD	D5/D6	895	H.0/17.1	0
50200	D5 DSL GEN VERTICAL PANEL	D5/D6	895	H.0/18.9	0
55300	D1 DSL GEN ENG/GEN PANEL (EGP)	TURB	895	KA.4/2.8	20
55320	D5 DSL GEN ENG 1 AUX DESK	D5/D6	895	H.0/17.3	0
55410	D1 REMOTE CONTROLS ISOLATION PANEL	TURB	898	LA.1/3.0 ON W WALL	20
55420	D5 DSL GEN ENG 2 AUX DESK	D5/D6	895	H.0/17.5	0
55800	D2 DSL GEN ENG/GEN PANEL	TURB	895	HA.8/2.8	20
55820	D8 DSL GEN ENG 1 AUX DESK	D5/D6	895	H.5/17.5	0
55820	D6 DSL GEN ENG 2 AUX DESK	D5/D6	895	H.5/17.3	0
57303	121 CONT RM WTR CHLLR LCL CONT PNL	AUX	755	G.7/8.0 ON CHLLR	20
57304	122 CONT RM WTR CHLLR LCL CONT PNL	AUX	755	G.7/10.0 ON CHLLR	20
60000	D8 DSL GEN BENCHBOARD	D5/D6	895	H.8/17.1	0
60200	D8 DSL GEN VERTICAL PANEL	D5/D6	895	H.7/18.0	0
70300	12 DD CLWP LCL PNL	SSCRN	895		20
70350	22 DD CLWP LCL PNL	SSCRN	895		20

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 Prairie Island Nuclear Generating Plant  
 Unresolved Safety Issue A-46  
 Panels Containing Essential Relays

SSSEL COMPONENT DESCRIPTION	SSSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	CLASS
B 15 LOGIC-1	BUS 15 LOGIC RELAY CAB 1	TURB	715	E.3/18.0	20
B 15 LOGIC-2	BUS 15 LOGIC CAB 2	TURB	715	E.3/18.0	20
B 15/LDAD SEQ CAB	BUS 15 SAFEGUARDS LOAD SEQUENCER CABINET	TURB	715		20
B 18/LDAD SEQ CAB	BUS 18 SAFEGUARDS LOAD SEQUENCER CABINET	TURB	715		20
B 25/AUX RELAY CAB	BUS 25 AUXILIARY RELAY CABINET	D5/D8	718	H.3/18.3	20
B 25/LDAD SEQ CAB	BUS 25 SAFEGUARDS LOAD SEQUENCER CABINET	D5/D8	718		20
B 26/AUX RELAY CAB	BUS 26 AUXILIARY RELAY CABINET	D5/D8	718	H.7/18.3	20
B 26/LDAD SEQ CAB	BUS 26 SAFEGUARDS LOAD SEQUENCER CABINET	D5/D8	718		20
BUS 111	BUS 111 480V SWITCHGEAR	TURB	715	E.0/18.3 111 BUS ROOM	2
BUS 112	BUS 112 480V SWITCHGEAR	AUX	735	G.3/15.8 112 BUS ROOM	2
BUS 121	BUS 121 480V SWITCHGEAR	TURB	715	F.0/18.3 121 BUS ROOM	2
BUS 122	BUS 122 480V SWITCHGEAR	AUX	735	G.2/12.8 122 BUS ROOM	2
BUS 15	BUS 15 4.18KV SWITCHGEAR	TURB	715		3
BUS 18	BUS 18 4.18KV SWITCHGEAR	TURB	715	F.5/18.7 18 BUS ROOM	3
BUS 211	BUS 211 480V SWITCHGEAR	D5/D8	735	G.8/15.7 211 BUS ROOM	2
BUS 212	BUS 212 480V SWITCHGEAR	D5/D8	735		2
BUS 221	BUS 221 480V SWITCHGEAR	D5/D8	735	H.8/15.7 221 BUS ROOM	2
BUS 222	BUS 222 480V SWITCHGEAR	D5/D8	735		2
BUS 25	BUS 25 4.18KV SWITCHGEAR	D5/D8	718	G.8/18.0	3
BUS 26	BUS 26 4.18KV SWITCHGEAR	D5/D8	718	J.2/18.0	3
E-2	CONTROL PANEL E-2	AUX	735	CONTROL ROOM	20
G-1	CONTROL PANEL G-1	AUX	735	CONTROL ROOM	20
MCC 1A1	MOTOR CONTROL CENTER 1A BUS 1	TURB	895	F.8/18.9 11/21 AFW PUMP ROOM	1
MCC 1A81	MOTOR CONTROL CENTER 1A BUS 1	SSCRN	895	B1.2/18.1.0 NEAR 11/12 CL STR	1
MCC 1A82	MOTOR CONTROL CENTER 1A BUS 2	SSCRN	895	B1.2/18.1.4 NEAR 21/22 CL STR	1
MCC 1K1	MOTOR CONTROL CENTER 1K BUS 1	AUX	895	G.2/15.2 NEAR RHR PIT	1
MCC 1K2	MOTOR CONTROL CENTER 1K BUS 2	AUX	895	G.8/18.5 NEAR CHG PUMPS	1
MCC 1L1	MOTOR CONTROL CENTER 1L BUS 1	AUX	715	J.2/15.2 NEAR PENET CAB 1134	1
MCC 1L2	MOTOR CONTROL CENTER 1L BUS 2	AUX	715	J.4/18.4 NEAR 11 VCT ROOM	1

Northern States Power Company  
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 Panels Containing Essential Relays

SSEL COMPONENT DESCRIPTION	SSEL COMPONENT DESCRIPTION	BUILDING	ELEVATION	LOCATION	CLASS
MCC 1LA1	MOTOR CONTROL CENTER 1LA BUS 1	AUX	735	J.2/5.2 NEAR PERS AIRLOCK	1
MCC 1LA2	MOTOR CONTROL CENTER 1LA BUS 2	AUX	735	H.7/5.8 NEAR ELEVATOR	1
MCC 1T1	MOTOR CONTROL CENTER 1T BUS 1	AUX	755	G.4/8.1 121 CONT RM CHLR RM	1
MCC 1T2	MOTOR CONTROL CENTER 1T BUS 2	AUX	755	G.4/10.0 122 CONT RM CHLR R	1
MCC 2A2	MOTOR CONTROL CENTER 2A BUS 2	TURB	895	F.5/9.3 12/22 AFW PUMP ROOM	1
MCC 2K1	MOTOR CONTROL CENTER 2K BUS 1	AUX	895	G.2/12.2 NEAR RHR PIT	1
MCC 2K2	MOTOR CONTROL CENTER 2K BUS 2	AUX	895	H.2/11.7 NEAR CHARGING PUMPS	1
MCC 2L1	MOTOR CONTROL CENTER 2L BUS 1	AUX	715	J.2/12.6 NEAR PENET CAB 2134	1
MCC 2L2	MOTOR CONTROL CENTER 2L BUS 2	AUX	715	J.5/11.7 NEAR 21 VCT ROOM	1
MCC 2LA1	MOTOR CONTROL CENTER 2LA BUS 1	AUX	735	J.2/12.8 SOUTH OF STAIRS	1
MCC 2LA2	MOTOR CONTROL CENTER 2LA BUS 2	AUX	735	H.7/12.2 EAST OF STAIRS	1
TB 1203	RELAY ROOM AUX RELAY CABINET	AUX	715	G/8	0
TB 1209	RELAY ROOM TERMINAL BOX	AUX	715	H/8	20
TB 1243	TB FOR 12 CHARGING PUMP	AUX	895	G/7	20
TB 1244	TB FOR 11 CHARGING PUMP	AUX	895	G/7	20
TB 2209	RELAY ROOM AUX RELAY CABINET	AUX	715	H/10	20
TB 2222	RELAY ROOM TERMINAL BOX	AUX	715	H/10	0
TB 2229	RELAY ROOM TERMINAL BOX	AUX	715	J/10	0
TB 2480	TB FOR 21 CHARGING PUMP	CNTMT	895	H/11	20
TB 2481	TB FOR 22 CHARGING PUMP	CNTMT	895	H/11	20
TB A1640	11 TD AUX FEEDWATER PUMP RELAY CABINET	AUX	895	G/8	20



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 Prairie Island Nuclear Generating Plant  
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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Reference..... Drawing(s).....
032-011	JOY	48-26 1/2-860CP	CS	N		032-011	N	Y	NV	*	NE-40008-79 REV AC
032-012	JOY	48-26 1/2-860CP	CS	N		032-012	N	Y	NV	*	NE-40008-143 REV AC
032-041	JOY	48-26 1/2-860CP	CS	N		032-041	N	Y	NV	*	NE-40008-78 REV AD
032-042	JOY	48-26 1/2-860CP	CS	N		032-042	N	Y	NV	*	NE-40008-142 REV AD
1-1/MC1*	WEST	W-2	CS	N		MV-32166 MV-32199	N N	Y Y	NV NV	* *	XH-1-994 REV J XH-1-994 REV J
1-1/MC2*	WEST	W-2	CS	N		MV-32166 MV-32199	N N	Y Y	NV NV	* *	XH-1-994 REV J XH-1-994 REV J
1-1/MS11*	WEST	W-2	CS	N		MV-32166 MV-32199	N N	Y Y	NV NV	* *	XH-1-992 REV J XH-1-992 REV J
1-1/MS12*	WEST	W-2	CS	N		MV-32166 MV-32199	N N	Y Y	NV NV	* *	XH-1-992 REV J XH-1-992 REV J
1-1/RS1-A*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1-992 REV J
1-1/RS1-B*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1-992 REV J
1-52/BYA	WEST	DB-50	CS	N		MV-32166	N	Y	NV	*	XH-1-995 REV D
1-52/BYB	WEST	DB-50	CS	N		MV-32199	N	Y	NV	*	XH-1-995 REV D
1-52/RTA	WEST	DB-50	CS	N		1-52/RTA MV-32166	N N	Y Y	NV NV	* *	XH-1-932 REV K XH-1-995 REV D
1-52/RTB	WEST	DB-50	CS	N		1-52/RTB MV-32199	N N	Y Y	NV NV	* *	XH-1-932 REV K XH-1-995 REV D
1-S116X	CLARK	SPECIAL	RLY	N		CD-34073 CD-34076 CD-34077 MV-32132 MV-32138 MV-32139 MV-32377	N N N N N N	Y Y Y Y Y Y	CA CA CA CA CA CA	* * * * * *	NE-40009-136 REV BM, NE-40009-111.1 REV CA NE-40009-136 REV BM NE-40009-136 REV BM NE-40008-66 REV BP NE-40008-68 REV BM NE-40008-66 REV BP NE-40008-51 REV BS
1-S117X	CLARK	SPECIAL	RLY	N		045-591 145-392 CD-34072	N N N	Y Y Y	CA CA CA	* * *	NE-40008-76 REV CG, NE-40009-111.1 NE-40009-70 REV CY NE-40009-136 REV BM,

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 Prairie Island Nuclear Generating Plant  
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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Reference..... Drawing(s).....
						MV-32133	N	Y	CA	*	NE-40009-111.1 REV A
						MV-32378	N	Y	CA	*	NE-40008-55 REV BQ
1-SI18X	CLARK	SPECIAL	RLY	N		075-011	N	Y	CA	*	NE-40008-50 REV BQ
						174-011	N	Y	CA	*	NE-40008-86 REV CD, NE-40008-87 REV W, NE-40009-111.1 REV CB
						174-013	N	Y	CA	*	NE-40008-83 REV CD, NE-40009-111.2 REV CA NE-40008-84 REV CE
1-SI26X	CLARK	SPECIAL	RLY	N		CD-34074	N	Y	CA	*	NE-40009-137 REV BM
						CD-34078	N	Y	CA	*	NE-40009-137 REV BM
						CD-34079	N	Y	CA	*	NE-40009-137 REV BM
						MV-32135	N	Y	CA	*	NE-40008-129 REV CD, NE-40009-111.2 REV CA
						MV-32136	N	Y	CA	*	NE-40008-117 REV BP
						MV-32379	N	Y	CA	*	NE-40008-121 REV BR
						MV-32380	N	Y	CA	*	NE-40008-116 REV BP
1-SI27X	CLARK	SPECIAL	RLY	N		045-592	N	Y	CA	*	NE-40008-139 REV CF, NE-40009-111.2 REV CA
						245-392	N	Y	CA	*	NE-40009-71.1 REV CY
						CD-34075	N	Y	CA	*	NE-40009-137 REV BM
						MV-32141	N	Y	CA	*	NE-40008-132 REV BN
						MV-32142	N	Y	CA	*	NE-40008-125 REV BQ
1-SI28X	CLARK	SPECIAL	RLY	N		075-012	N	Y	CA	*	NE-40008-150 REV CC, NE-40008-151 REV V, NE-40008-111.2 REV CA
						174-012	N	Y	CA	*	NE-40008-147 REV CE, NE-40009-111.2 REV CA
						174-014	N	Y	CA	*	NE-40008-148 REV CD, NE-40009-111.2 REV CA
1-SIA1	CLARK	7304-PM	RLY	N		MV-32036	N	Y	CA	*	NE-40008-25 REV BR
						MV-32132	N	Y	CA	*	NE-40008-66 REV BP
						MV-32144	N	Y	CA	*	NE-40008-47 REV BQ
1-SIA2	CLARK	7304-PM	RLY	N		MV-32138	N	Y	CA	*	NE-40008-68 REV BM
						MV-32139	N	Y	CA	*	NE-40008-66 REV BP
						MV-32377	N	Y	CA	*	NE-40008-51 REV BS, NE-40009-111.1 REV CB
						MV-32378	N	Y	CA	*	NE-40008-50 REV BQ
1-SIA3	CLARK	7304-PM	RLY	N		MV-32133	N	Y	CA	*	NE-40008-55 REV BQ
						MV-32242	N	Y	CA	*	NE-40008-67 REV BX

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 Prairie Island Nuclear Generating Plant  
 Units 1 and 2  
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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Reference..... Drawing(s).....
1-S1A4	CLARK	7304-PM	RLY	N		SV-37460	N	Y	CA	*	NE-40009-172 REV B
						SV-37462	N	Y	CA	*	NE-40009-172 REV B
						SV-37464	N	Y	CA	*	NE-40409-131 REV B
						SV-37466	N	Y	CA	*	NE-40409-131 REV B
1-S1A5	CLARK	7304-PM	RLY	N		MV-32145	N	Y	CA	*	NE-40008-42 REV BR
1-S1B1	CLARK	7304-PM	RLY	N		MV-32037	N	Y	CA	*	NE-40008-94 REV BQ
						MV-32135	N	Y	CA	*	NE-40008-129 REV CD, NE-40009-111.2 REV CA
						MV-32150	N	Y	CA	*	NE-40008-102 REV BQ
1-S1B2	CLARK	7304-PM	RLY	N		MV-32142	N	Y	CA	*	NE-40008-125 REV BQ
						MV-32379	N	Y	CA	*	NE-40008-121 REV BR, NE-40009-111.2 REV CA
						MV-32380	N	Y	CA	*	NE-40008-116 REV BP
1-S1B3	CLARK	7304-PM	RLY	N		MV-32146	N	Y	CA	*	NE-40008-104 REV BS
1-S1B4	CLARK	7304-PM	RLY	N		MV-32136	N	Y	CA	*	NE-40008-117 REV BP, NE-40009-111.2 REV CA
						MV-32141	N	Y	CA	*	NE-40008-132 REV BN
						MV-32243	N	Y	CA	*	NE-40008-130 REV BX
1-S1B5	CLARK	7304-PM	RLY	N		SV-37461	N	Y	CA	*	NE-40009-172 REV B
						SV-37463	N	Y	CA	*	NE-40009-172 REV B
						SV-37465	N	Y	CA	*	NE-40409-131 REV B
						SV-37467	N	Y	CA	*	NE-40409-131 REV B
1/S1B-A*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1-992 REV J
1/S1B-B*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1-992 REV J
10/112G-1	KLOCKNER-MOELLER	CR2	RLY	N		075-011	N	Y	CA	*	NE-40008-86 REV CD, NE-40008-87 REV W, NE-40008-85 REV U
10/122G-1	KLOCKNER-MOELLER	CR2	RLY	N		075-012	N	Y	CA	*	NE-40008-150 REV CC, NE-40008-151 REV V, NE-40008-149 REV V
12X/12CLP	ALLEN BRADLEY	700DC-N400	RLY	N	70300	145-392	Y	Y	GERS	N	NE-40009-70 REV CY, NE-40009-71 REV TT
12X/22CLP	ALLEN BRADLEY	700DC-N400	RLY	N	70350	245-392	Y	Y	GERS	N	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel Number	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Reference..... Drawing(s).....
13/D1	CLARK	PM	RLY	N		034-011	N	Y	CA	*	NE-40009-73 REV DA, NE-40009-76 REV F, NE-40009-79 REV AD, NE-40008-82 REV M
13/D2	CLARK	PM	RLY	N		034-021	N	Y	CA	*	NE-40009-81 REV DA, NE-40009-84 REV F, NE-40009-87 REV CM, NE-40008-146 REV M
132-281	JOY	38-17 1/2-1150	INST	N		132-281	N	Y	CA	*	NE-40008-29.2 REV LL
132-291	JOY	29 1/4-17 1/2-1	INST	N		132-291	N	Y	CA	*	NE-40008-29.1 REV U
14X/D1	CLARK	PM	RLY	N		034-011	N	Y	CA	*	NE-40009-73 REV DA, NE-40009-72 REV CY, NE-40009-79 REV AD
14X/D2	CLARK	PM	RLY	N		034-021	N	Y	CA	*	NE-40009-81 REV DA, NE-40009-80 REV CZ, NE-40009-87 REV CM
15X/12CLP	PANALARM	WB-2	RLY	N	70300	145-392	Y	N	CR	Y	NE-40009-70 REV CY, NE-40009-71 REV TT
15X/22CLP	PANALARM	WB-2	RLY	N	70350	245-392	Y	N	CR	Y	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
16002	MERCOLD	DA-7023-153	INST	N		145-392	N	Y	CA	*	NE-40009-70 REV CY
16009	MERCOLD	DA-7023-153	INST	N		245-392	N	Y	CA	*	NE-40009-71.7 REV CY
16078	BURNS ENGR	M-11A	INST	N		145-392	N	Y	CA	*	NE-40009-71 REV TT
16079	BURNS ENGR	M-11A	INST	N		245-392	N	Y	CA	*	NE-40009-71.2 REV QQ
16080	BURNS ENGR	M-12	INST	N		145-392	N	Y	NV	*	NE-40009-70 REV CY, NE-40009-71 REV TT
16099	SQ D	9013-ASW-8R	INST	N		067-011	N	Y	CA	*	NE-40008-26 REV BT
16101	SQ D	9013-ASW-8R	INST	N		067-012	N	Y	CA	*	NE-40008-93 REV Y
16118	BURNS ENGR	M-12	INST	N		245-392	N	Y	NV	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
16143	UNITED ELECTRIC	J300-441	INST	N	034-011	034-011	Y	Y	NV	N	NE-40009-74 REV CW

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel Number	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Reference..... Drawing(s).....
16144	UNITED ELECTRIC	J300-441	INST	N	034-021	034-021	Y	Y	NV	N	NE-40009-82 REV CT
16206	ALLEN BRADLEY	837-V3J	INST	N	034-011	034-011	Y	Y	NV	N	NE-40009-74 REV CW
16207	ALLEN BRADLEY	837-V3J	INST	N	034-021	034-021	Y	Y	NV	N	NE-40009-82 REV CT
16227	UNITED ELECTRIC	F-7 868	INST	N		034-011	N	Y	CA	*	NE-40009-72 REV CY
16228	UNITED ELECTRIC	F-7 868	INST	N		034-021	N	Y	CA	*	NE-40009-80 REV CZ
16272	OMEGA	4001KF	INST	N		145-392	N	Y	CA	*	NE-40009-71 REV TT
16273	OMEGA	4001KF	INST	N		245-392	N	Y	CA	*	NE-40009-71.2 REV QQ
16417	UNITED ELECTRIC	J302K456	INST	N		158-011	N	Y	CA	*	NE-40008-31 REV Y
16420	UNITED ELECTRIC	J302K456	INST	N		258-012	N	Y	CA	*	NE-40008-96 REV RS
16669	PAN AM SYS CORP	ODFI 121	INST	N		145-392	N	Y	NV	*	NE-40009-71 REV TT
16671	PAN AM SYS CORP	ODFI 121	INST	N		245-392	N	Y	NV	*	NE-40009-72.1 REV QQ
16672	MAGNETROL	291-X	INST	N		CV-31414	N	Y	CA	*	NE-40009-129.9 REV AB, NE-40009-129.8 REV TU
						CV-31415	N	Y	CA	*	NE-40009-129.9 REV AB, NE-40009-129.8 REV TU
16683	MCDONNEL&MILLER	#80	INST	N		045-301	N	Y	CA	*	NE-40013-43 REV K
16684	MCDONNEL&MILLER	#80	INST	N		045-301	N	Y	CA	*	NE-40013-43 REV K
16687	MCDONNEL&MILLER	#80	INST	N		045-302	N	Y	CA	*	NE-40013-46 REV H
16688	MCDONNEL&MILLER	#80	INST	N		045-302	N	Y	CA	*	NE-40013-46 REV H
16692	MAGNETROL	291-X	INST	N		CV-31610	N	Y	CA	*	NE-40009-129.9 REV AB, NE-40009-129.8 REV TU
						CV-31611	N	Y	CA	*	NE-40009-129.9 REV AB, NE-40009-129.8 REV TU
16698	MCDONNEL&MILLER	#80	INST	N		045-271	N	Y	CA	*	NE-40009-73 REV DA
16699	MCDONNEL&MILLER	#80	INST	N		045-273	N	Y	CA	*	NE-40009-81 REV DA, NE-40013-36 REV B
16774	MCDONNEL&MILLER	E-8	INST	N		034-011	N	Y	CA	*	NE-40009-73 REV DA

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16778	CONSOL CONTROLS	GFH-5400	INST	N		034-011	N	Y	CA	*	NE-40009-79 REV AD
16779	CONSOL CONTROLS	GFH-5400	INST	N		034-021	N	Y	CA	*	NE-40009-87 REV CM
16896	JOHN CRANE	MARK I	INST	N		075-012	N	Y	CA	*	NE-40008-150 REV CC
16897	JOHN CRANE	MARK I	INST	N		075-011	N	Y	CA	*	NE-40008-86 REV CD
16971	PENN CONTROLS	T26-T1	INST	N		132-281 132-291	N N	Y Y	CA CA	* *	NE-40009-142 REV F NE-40009-142 REV F
16972	PENN CONTROLS	T26-T1	INST	N		232-281 232-291	N N	Y Y	CA CA	* *	NE-40009-142 REV F NE-40009-142 REV F
17700	ASCO	SB12BR/TM10A	INST	N		CV-31998	N	Y	CA	*	NE-40009-97.2 REV DN
17701	ASCO	SB12BR/TM10A	INST	N		CV-31999	N	Y	CA	*	NE-40409-81.1 REV EM
17704	ASCO	SB31ARTV34A1	INST	N		CV-31998	N	Y	CA	*	NE-40009-97.2 REV DN
17705	ASCO	SB31ARTV34A1	INST	N		CV-31999	N	Y	CA	*	NE-40409-81.1 REV EM
17710	UNITED ELECTRIC	EA03-2BSB	INST	N		CV-31414 CV-31415	N N	Y Y	CA CA	* *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU
17711	UNITED ELECTRIC	E403-2BSB	INST	N		CV-31610 CV-31611	N N	Y Y	CA CA	* *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU
17776	ASCO	SB31ARTV34A1	INST	N		145-331	N	Y	CA	*	NE-40006-59 REV AB
17777	ASCO	SB12BR/TM10A	INST	N		145-331	N	Y	CA	*	NE-40006-59 REV AB
17778	ASCO	SB12BR/TM10A	INST	N		245-331	N	Y	CA	*	NE-116785-23 REV A
17779	ASCO	SB31ARTV34A1	INST	N		245-331	N	Y	CA	*	NE-116785-23 REV A
17834	BARTON	289A	INST	N		MV-32031	N	Y	CA	*	NE-40008-19 REV QS
17835	BARTON	289A	INST	N	ON S SIDE WALL AB.0/9.7	MV-32033	N	Y	CA	*	NE-40406-59 REV AH
17836	MERCOLD	DA-7023-804	INST	N		MV-32031	N	Y	CA	*	NE-40008-19 REV QS
17837	MERCOLD	DA-7023-804	INST	N		MV-32033	N	Y	CA	*	NE-40406-59 REV AH
18460	STATIC-O-RING	17S8B5C2ASSX6	INST	N		SV-37460	N	Y	CA	*	NE-40009-172 REV B

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						SV-37462	N	Y	CA	*	NE-40009-172 REV B
18461	STATIC-O-RING	17SBB5C2ASSX6	INST	N		SV-37461	N	Y	CA	*	NE-40009-172 REV B
						SV-37463	N	Y	CA	*	NE-40009-172 REV B
18462	STATIC-O-RING	17SBB5C2ASSX6	INST	N		SV-37460	N	Y	CA	*	NE-40009-172 REV B
						SV-37462	N	Y	CA	*	NE-40009-172 REV B
18463	STATIC-O-RING	17SBB5C2ASSX6	INST	N		SV-37461	N	Y	CA	*	NE-40009-172 REV B
						SV-37463	N	Y	CA	*	NE-40009-172 REV B
18464	STATIC-O-RING	17SBB5C2ASSX6	INST	N		SV-37464	N	Y	CA	*	NE-40409-131 REV B
						SV-37466	N	Y	CA	*	NE-40409-131 REV B
18465	STATIC-O-RING	17SBB5C2ASSX6	INST	N		SV-37465	N	Y	CA	*	NE-40409-131 REV B
						SV-37467	N	Y	CA	*	NE-40409-131 REV B
18466	STATIC-O-RING	17SBB5C2ASSX6	INST	N		SV-37464	N	Y	CA	*	NE-40409-131 REV B
						SV-37466	N	Y	CA	*	NE-40409-131 REV B
18467	STATIC-O-RING	17SBB5C2ASSX6	INST	N		SV-37465	N	Y	CA	*	NE-40409-131 REV B
						SV-37467	N	Y	CA	*	NE-40409-131 REV B
19/12CLP	ALLEN BRADLEY	N DC	RLY	N		145-392	N	Y	CA	*	NE-40009-70 REV CY, NE-40009-71 REV TT
19/22CLP	ALLEN BRADLEY	N DC	RLY	N		245-392	N	Y	CA	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
19X/12CLP	ALLEN BRADLEY	N DC	RLY	N		145-392	N	Y	CA	*	NE-40009-70 REV CY, NE-40009-71 REV TT
						CD-34136	N	Y	CA	*	NE-40009-142 REV F, NE-40009-70 REV CY
19X/22CLP	ALLEN BRADLEY	N DC	RLY	N		245-392	N	Y	CA	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
						CD-34139	N	Y	CA	*	NE-40009-142 REV F, NE-40009-71.1 REV CY
19XX/12CLP	PANALARM	WB-2	RLY	N		145-392	N	Y	CA	*	NE-40009-70 REV CY, NE-40009-71 REV TT
19XX/22CLP	PANALARM	QB-2	RLY	N		245-392	N	Y	CA	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
19Y/12CLP	ALLEN BRADLEY	700DC-N600	RLY	N	70300	145-392	Y	Y	GERS	N	NE-40009-70 REV CY, NE-40009-71 REV TT

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19Y/22CLP	ALLEN BRADLEY	700DC-M600	RLY	N	70350	245-392	Y	Y	GERS	N	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
19YY/12CLP	CLARK	7304-PM	RLY	N		145-392	N	Y	CA	*	NE-40009-70 REV CY, NE-40009-71 REV TT
19YY/22CLP	CLARK	7304-PM	RLY	N		245-392	N	Y	CA	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
19Z/12CLP	CLARK	7304-PM	RLY	N		132-281	N	Y	CA	*	NE-40009-142 REV F, NE-40009-70 REV CY
						132-291	N	Y	CA	*	NE-40009-142 REV F, NE-40009-70 REV CY
						145-392	N	Y	CA	*	NE-40009-70 REV CY, NE-40009-71 REV TT
19Z/22CLP	CLARK	7304-PM	RLY	N		232-281	N	Y	CA	*	NE-40009-142 REV F, NE-40009-71.1 REV CY
						232-291	N	Y	CA	*	NE-40008-97 REV LL, NE-40009-142 REV F
						245-392	N	Y	CA	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
1AFP-1XA	WEST	NBFD-65NR	RLY	N		CV-31998	N	Y	CA	*	NE-40009-97.2 REV DN
1AFP-1XB	WEST	NBFD-65NR	RLY	N		145-331	N	Y	CA	*	NE-40006-59 REV AB
1AFP-2XA	WEST	NBFD-65NR	RLY	N		CV-31998	N	Y	CA	*	NE-40009-97.2 REV DN
1AFP-2XB	WEST	NBFD-65NR	RLY	N		145-331	N	Y	CA	*	NE-40006-59 REV AB
1AMSAC A/121 5	STRUTHERS-DUNN	219-XDXP	RLY	N		CV-31998	N	Y	CA	*	NE-40009-97.2 REV DN
1AMSAC B/120 8	STRUTHERS-DUNN	219-XDP	RLY	N		145-331	N	Y	CA	*	NE-40006-59 REV AB
1CI-10X	WEST	BFD-48S	RLY	N	1ASG2	1CI-10X MV-32166	N Y	Y Y	CA GERS	*	NE-40008-59.1 REV C NE-40008-51 REV BS, XH-1-994 REV J
						MV-32400	N	Y	CA	*	NE-40008-59.1 REV C
1CI-12X	WEST	BFD-48S	RLY	N		CV-31637	N	Y	CA	*	NE-40009-114 REV U
						CV-31638	N	Y	CA	*	NE-40009-114 REV U
						MV-32402	N	Y	CA	*	NE-40008-59.1 REV C
						MV-32404	N	Y	CA	*	NE-40008-44.1 REV C



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1C1-20X	WEST	BFD-48S	RLY	N	1BSG2	MV-32199	Y	Y	GERS	N	NE-40008-115 REV BR, XH-1-994 REV J
1C1A	WEST	MG-6	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	XH-1-994 REV J
1C1B	WEST	MG-6	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	XH-1-994 REV J
1C1R-A	WEST	BFD-22S	RLY	N		MV-32166	N	Y	CA	*	XH-1-994 REV J
1C1R-B	WEST	BFD-22S	RLY	N		MV-32199	N	Y	CA	*	XH-1-994 REV J
1LC-112B-X	WEST	BF-22F	RLY	N		MV-32060 MV-32061	N N	Y Y	CA CA	* *	NE-40008-36 REV BL NE-40008-36 REV BL
1LC-141B-X	WEST	BF-22F	RLY	N		MV-32060 MV-32061	N N	Y Y	CA CA	* *	NE-40008-36 REV BL NE-40008-36 REV BL
1LC-427B-X	WEST	BF-66F	RLY	N	1AMR1	BKR 112C BKR 122C CV-31226	Y Y N	N N Y	CR CR CA	Y Y *	NE-40008-15 REV BD, 501B087-270 REV 4 NE-40008-17 REV BE NE-40009-101 REV CY, XH-1-741-270 REV 4
1LC-428B-X	WEST	BF-66F	RLY	N	1AMR1	BKR 112C BKR 122C	Y Y	N N	CR CR	Y Y	NE-40008-13.6 REV A, 501B087-270 REV 4 NE-40008-17 REV BE
1LC-428D-X	WEST	BF-66F	RLY	N	1AMR1	BKR 112C BKR 122C CV-31255	Y Y N	N N Y	CR CR CA	Y Y *	NE-40008-15 REV BD, 501B087-270 REV 4 NE-40008-17 REV BE NE-40009-105 REV CW
1LCV-427X	WEST	BFD-40S	RLY	N		CV-31226	N	Y	CA	*	NE-40009-101 REV CY
1LCV-428X	WEST	BFD-40S	RLY	N		CV-31255	N	Y	CA	*	NE-40009-105 REV CW
1MS-A1	WEST	BFD-33S	RLY	N		CV-31098	N	Y	CA	*	NE-40009-96 REV CZ
1MS-A2	WEST	BFD-33S	RLY	N		CV-31099	N	Y	CA	*	NE-40009-97 REV CZ
1MS-B1	WEST	BFD-33S	RLY	N		CV-31098	N	Y	CA	*	NE-40009-96 REV CZ
1MS-B2	WEST	BFD-33S	RLY	N		CV-31099	N	Y	CA	*	NE-40009-97 REV CZ
1PB/RC1A*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1-994 REV J
1PB/RC1B*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1-994 REV J

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1PC-419DXA1	WEST	*	RLY	N		CV-31232	N	Y	CA	*	NE-40009-101 REV CY
1PC-419DXB	WEST	*	RLY	N		CV-31231	N	Y	CA	*	NE-40009-101 REV CY
1PC-420DXA	WEST	*	RLY	N		CV-31232	N	Y	CA	*	NE-40009-101 REV CY
1PC-420DXB	WEST	*	RLY	N		CV-31231	N	Y	CA	*	NE-40009-101 REV CY
1PC-429B-X	WEST	BF-22F	RLY	N		CV-31232	N	Y	CA	*	NE-40009-101 REV CY
1PC-429C-AT*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-2 REV B
1PC-429C-BT*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-2 REV B
1PC-429C-XA	WEST	BF-46F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	XH-1-992 REV J
1PC-429C-XB	WEST	BF-46F	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	XH-1-992 REV J
1PC-429D-AT	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-10001-885-5 REV A
1PC-429D-BT	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-5 REV A
1PC-429D-XA	WEST	BF-66F	RLY	N		MV-32166	N	Y	CA	*	XH-1-992 REV J
1PC-429D-XB	WEST	BF-66F	RLY	N		MV-32199	N	Y	CA	*	XH-1-992 REV J
1PC-430B-X	WEST	BF-22F	RLY	N		CV-31232	N	Y	CA	*	NE-40009-101 REV CY
1PC-430E-AT*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-2 REV B
1PC-430E-BT*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-2 REV B
1PC-430E-XA	WEST	BF-46F	RLY	N	1ASG2	MV-32166	Y	Y	GERS	N	XH-1-992 REV J
1PC-430E-XB	WEST	BF-46F	RLY	N	1BSG2	MV-32199	Y	Y	GERS	N	XH-1-992 REV J
1PC-430F-AT	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-5 REV A
1PC-430F-BT	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-5 REV A
1PC-430F-XA	WEST	BF-66F	RLY	N		MV-32166	N	Y	CA	*	XH-1-992 REV J
1PC-430F-XB	WEST	BF-66F	RLY	N		MV-32199	N	Y	CA	*	XH-1-992 REV J
1PC-431B-X	WEST	BF-22F	RLY	N		CV-31231	N	Y	CA	*	NE-40009-101 REV CY
1PC-431E-X	WEST	BF-66F	RLY	N	1AMR1	BKR 112C	Y	N	CR	Y	NE-40008-13.6 REV A,

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						BKR 122C	Y	N	CR	Y	XH-1-741-271 REV A NE-40008-17 REV BE
1PC-431G-AT*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-2 REV B
1PC-431G-BT*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-2 REV B
1PC-431G-XA	WEST	BF-46F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	XH-1-992 REV J
1PC-431G-XB	WEST	BF-46F	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	XH-1-992 REV J
1PC-431I-AT	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-5 REV A
1PC-431I-BT	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-5 REV A
1PC-431I-XA	WEST	BF-66F	RLY	N		MV-32166	N	Y	CA	*	XH-1-992 REV J
1PC-431I-XB	WEST	BF-66F	RLY	N		MV-32199	N	Y	CA	*	XH-1-992 REV J
1PC-449B-X	WEST	BF-22F	RLY	N		CV-31231	N	Y	CA	*	NE-40009-101 REV CY
1PC-468A-AT*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-2 REV B
1PC-468A-BT*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-2 REV B
1PC-468A-XA	WEST	BF-46F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	XH-1-992 REV J
1PC-468A-XB	WEST	BF-46F	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	XH-1-992 REV J
1PC-469A-AT*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-2 REV B
1PC-469A-BT*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-2 REV B
1PC-469A-XA	WEST	BF-48F	RLY	N	1ASG2	MV-32166	Y	Y	GERS	N	XH-1-992 REV J
1PC-469A-XB	WEST	BF-48F	RLY	N	1BSG2	MV-32199	Y	Y	GERS	N	XH-1-992 REV J
1PC-478A-AT*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-2 REV B
1PC-478A-BT*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-2 REV B
1PC-478A-XA	WEST	BF-46F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	XH-1-992 REV J
1PC-478A-XB	WEST	BF-46F	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	XH-1-992 REV J
1PC-479A-AT*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-2 REV B

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1PC-479A-BT*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-2 REV B
1PC-479A-XA	WEST	BF-48F	RLY	N	1ASG2	MV-32166	Y	Y	GERS	N	XH-1-992 REV J
1PC-479A-XB	WEST	BF-48F	RLY	N	1BSG2	MV-32199	Y	Y	GERS	N	XH-1-992 REV J
1PC-482A-AT*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-2 REV B
1PC-482A-BT*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-2 REV B
1PC-482A-XA	WEST	BF-48F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	XH-1-992 REV J
1PC-482A-XB	WEST	BF-48F	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	XH-1-992 REV J
1PC-483A-AT*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-2 REV B
1PC-483A-BT*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-2 REV B
1PC-483A-XA	WEST	BF-48F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	XH-1-992 REV J
1PC-483A-XB	WEST	BF-48F	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	XH-1-992 REV J
1PC-945A-AT*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-4 REV A
1PC-945A-BT*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-4 REV A
1PC-945A-XA	WEST	BF-46F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	XH-1-992 REV J
1PC-945A-XB	WEST	BF-46F	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	XH-1-992 REV J
1PC-947A-AT*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-4 REV A
1PC-947A-BT*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-4 REV A
1PC-947A-XA	WEST	BF-46F	RLY	N	1ASG2	MV-32166	Y	Y	GERS	N	XH-1-992 REV J
1PC-947A-XB	WEST	BF-46F	RLY	N	1BSG2	MV-32199	Y	Y	GERS	N	XH-1-992 REV J
1PC-949A-AT*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1001-885-4 REV A
1PC-949A-BT*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1001-885-4 REV A
1PC-949A-XA	WEST	BF-48F	RLY	N	1ASG2	MV-32166	Y	Y	GERS	N	XH-1-992 REV J
1PC-949A-XB	WEST	BF-48F	RLY	N	1BSG2	MV-32199	Y	Y	GERS	N	XH-1-992 REV J
1RT-10XA	WEST	NBFD-65NR	RLY	N		1-52/RTA	N	Y	CA	*	XH-1-932 REV K

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1RT-10XB	WEST	NBFD-65NR	RLY	N		1-52/RTB	N	Y	CA	*	XH-1-932 REV K
1RT-11XA	WEST	NBFD-65NR	RLY	N		1-52/RTA	N	Y	CA	*	XH-1-932 REV K
1RT-11XB	WEST	NBFD-65NR	RLY	N		1-52/RTB	N	Y	CA	*	XH-1-932 REV K
1RT-12XA	WEST	NBFD-65NR	RLY	N		1-52/RTA	N	Y	CA	*	XH-1-932 REV K
1RT-12XB	WEST	NBFD-65NR	RLY	N		1-52/RTB	N	Y	CA	*	XH-1-932 REV K
1RT-1XA	WEST	NBFD-65NR	RLY	N		1-52/RTA	N	Y	CA	*	XH-1-932 REV K
1RT-1XB	WEST	NBFD-65NR	RLY	N		1-52/RTB	N	Y	CA	*	XH-1-932 REV K
1RT-2XA	WEST	NBFD-65NR	RLY	N		1-52/RTA	N	Y	CA	*	XH-1-932 REV K
1RT-2XB	WEST	NBFD-65NR	RLY	N		1-52/RTB	N	Y	CA	*	XH-1-932 REV K
1RT-3XA	WEST	NBFD-65NR	RLY	N		1-52/RTA	N	Y	CA	*	XH-1-932 REV K
1RT-3XB	WEST	NBFD-65NR	RLY	N		1-52/RTB	N	Y	CA	*	XH-1-932 REV K
1RT-4XA	WEST	NBFD-65NR	RLY	N		1-52/RTA	N	Y	CA	*	XH-1-932 REV K
1RT-4XB	WEST	NBFD-65NR	RLY	N		1-52/RTB	N	Y	CA	*	XH-1-932 REV K
1RT-5XA	WEST	NBFD-65NR	RLY	N		1-52/RTA	N	Y	CA	*	XH-1-932 REV K
1RT-5XB	WEST	NBFD-65NR	RLY	N		1-52/RTB	N	Y	CA	*	XH-1-932 REV K
1RT-6XA	WEST	NBFD-65NR	RLY	N		1-52/RTA	N	Y	CA	*	XH-1-932 REV K
1RT-6XB	WEST	NBFD-65NR	RLY	N		1-52/RTB	N	Y	CA	*	XH-1-932 REV K
1RT-7XA	WEST	NBFD-65NR	RLY	N		1-52/RTA	N	Y	CA	*	XH-1-932 REV K
1RT-7XB	WEST	NBFD-65NR	RLY	N		1-52/RTB	N	Y	CA	*	XH-1-932 REV K
1RT-8XA	WEST	NBFD-65NR	RLY	N		1-52/RTA	N	Y	CA	*	XH-1-932 REV K
1RT-8XB	WEST	NBFD-65NR	RLY	N		1-52/RTB	N	Y	CA	*	XH-1-932 REV K
1RT-9XA	WEST	NBFD-65NR	RLY	N		1-52/RTA	N	Y	CA	*	XH-1-932 REV K
1RT-9XB	WEST	NBFD-65NR	RLY	N		1-52/RTB	N	Y	CA	*	XH-1-932 REV K
1RTA	WEST	BFD-84S	RLY	N	1ASG2	MV-32166	N	Y	CA	*	XH-1-992 REV J, XH-1-995

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											REV D
1RTAT*	WEST	OT2	CS	N		MV-32166	N	Y	NV	*	XH-1-995 REV D
1RTB	WEST	BFD-84S	RLY	N	1BSG2	MV-32199	N	Y	CA	*	XH-1-992 REV J, XH-1-995 REV D
1RTBT*	WEST	OT2	CS	N		MV-32199	N	Y	NV	*	XH-1-995 REV D
1SI-10X	WEST	BFD-84S	RLY	N		034-011	N	Y	CA	*	NE-40009-74 REV CW, XH-1-992 REV J
1SI-11X	WEST	BFD-84S	RLY	N		CV-39201	N	Y	CA	*	NE-40009-148 REV BS
1SI-12X	WEST	BFD-84S	RLY	N		145-392 MV-32036	N N	Y Y	CA CA	* *	NE-40009-70 REV CY NE-40008-25 REV BR
1SI-13X	WEST	BFD-84S	RLY	N		CV-31998 MV-32144 SV-37460 SV-37462 SV-37464 SV-37466	N N N N N N	Y Y Y Y Y Y	CA CA CA CA CA CA	* * * * * *	NE-40009-97.2 REV DM NE-40008-47 REV BQ NE-40009-172 REV B NE-40009-172 REV B NE-40409-131 REV B NE-40409-131 REV B
1SI-14X	WEST	BFD-84S	RLY	N		BKR 15-8 MV-32242	N N	Y Y	CA CA	* *	NE-40006-55 REV CD NE-40008-67 REV BX
1SI-14X1/152 5BT			RLY	N		BKR 15-12  BKR 15-8	N  N	Y  Y	CA  CA	*  *	NE-40006-56.3 REV A  NE-40006-55 REV CD
1SI-15X	WEST	BFD-120S	RLY	N	1ASG2	MV-32166	Y	Y	GERS	N	XH-1-994 REV J, XH-1-993 REV H
1SI-20X	WEST	BFD-84S	RLY	N		034-021	N	Y	CA	*	NE-40009-82 REV CT, X-HIAW-1-992 REV J
1SI-21X	WEST	BFD-84S	RLY	N		CV-39203	N	Y	CA	*	NE-40009-148 REV BS, XH-1-992 REV J, 113E368 SK. 7
1SI-22X	WEST	BFD-84S	RLY	N	1BSG2	245-392 MV-32037	N N	Y Y	CA CA	* *	NE-40009-71.1 REV CY NE-40008-94 REV BQ
1SI-23X	WEST	BFD-84S	RLY	N		145-331 MV-32159 SV-37461	N N N	Y Y Y	CA CA CA	* * *	NE-40006-59 REV AB NE-40008-102 REV BQ NE-40009-172 REV B

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						SV-37463	N	Y	CA	*	NE-40009-172 REV B
						SV-37465	N	Y	CA	*	NE-40409-131 REV B
						SV-37467	N	Y	CA	*	NE-40409-131 REV B
1S1-24X	WEST	BFD-84S	RLY	N		BKR 16-10	N	Y	CA	*	NE-40006-66 REV RS, XH-1-993 REV H
						MV-32243	N	Y	CA	*	NE-40008-130 REV BX
1S1-24X1/162 68T			RLY	N		BKR 16-10	N	Y	CA	*	NE-40006-66 REV RS
						BKR 16-12	N	Y	CA	*	NE-40006-66.2 REV A
1S1-25X	WEST	BFD-120S	RLY	N	1BSG2	MV-32199	Y	Y	GERS	N	XH-1-994 REV J, XH-1-993 REV H
1S1A-A1	WEST	MG-6	RLY	N		MV-32166	N	Y	CA	*	XH-1-992 REV J
1S1A-A2	WEST	MG-6	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	XH-1-993 REV H, XH-1-992 REV J
1S1A-B1	WEST	MG-6	RLY	N		MV-32199	N	Y	CA	*	XH-1-992 REV J
1S1A-B2	WEST	MG-6	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	XH-1-993 REV H, XH-1-992 REV J
1S1B-A	WEST	MG-6	RLY	N		MV-32166	N	Y	CA	*	XH-1-992 REV J
1S1B-B	WEST	MG-6	RLY	N		MV-32199	N	Y	CA	*	XH-1-992 REV J
1S1B-XA	WEST	BFD-44S	RLY	N		MV-32166	N	Y	CA	*	XH-1-992 REV J
1S1B-XB	WEST	BFD-44S	RLY	N		MV-32199	N	Y	CA	*	XH-1-992 REV J
1S1R-A	WEST	BFD-22S	RLY	N	1ASG2	MV-32166	N	Y	CA	*	XH-1-992 REV J
1S1R-B	WEST	BFD-22S	RLY	N	1BSG2	MV-32199	N	Y	CA	*	XH-1-992 REV J
1TD-AFP-XA	AGASTAT	2422PD	RLY	N		CV-31998	N	Y	CA	*	NE-40009-97.2 REV DN
1TDR-19	AGASTAT	2412PE	RLY	N	1ASG1	MV-32166	N	Y	CA	*	XH-1-992 REV J
1TDR-29	AGASTAT	2412PE	RLY	N	1BSG1	MV-32199	N	Y	CA	*	XH-1-992 REV J
1TRA1	WEST	BFD-48S	RLY	N	1ASG2	MV-32166	N	Y	CA	*	XH-1-994 REV J
1TRB1	WEST	BFD-48S	RLY	N	1BSG2	MV-32199	N	Y	CA	*	XH-1-994 REV J

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model.... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Reference..... Drawing(s).....
1TS-3/B15	UNSPECIFIED	*	CS	N		034-011	N	Y	NV	*	NE-40006-49 REV PQ
1TS-3/B16*	UNSPECIFIED	*	CS	N		034-021	N	Y	NV	*	NE-40006-65 REV MN
1TS-3/D1	UNSPECIFIED	*	CS	N		034-011	N	Y	NV	*	NE-40006-49 REV PQ
1TS-3/D2*	UNSPECIFIED	*	CS	N		034-021	N	Y	NV	*	NE-40006-65 REV MN
1X/111J-1	POTTER&BRUMFLD	KAP-11AG	RLY	N	MCC 1K1	145-042	Y	N	CR	Y	NE-40008-35 REV MN
1X/112J-2F	POTTER&BRUMFLD	*	RLY	N		174-011	N	Y	CA	*	NE-40008-83 REV CD
1X/112J-2S	POTTER&BRUMFLD	*	RLY	N		174-011	N	Y	CA	*	NE-40008-83 REV CD
1X/112J-3F	POTTER&BRUMFLD	*	RLY	N		174-013	N	Y	CA	*	NE-40008-84 REV CE
1X/112J-3S	POTTER&BRUMFLD	*	RLY	N		174-013	N	Y	CA	*	NE-40008-84 REV CE
1X/121J-1	POTTER&BRUMFLD	KAP-11AG	RLY	N	MCC 1K2	145-041	Y	N	CR	Y	NE-40008-100 REV BH
1X/122J-2F	POTTER&BRUMFLD	*	RLY	N		174-012	N	Y	CA	*	NE-40008-147 REV CE
1X/122J-2S	POTTER&BRUMFLD	*	RLY	N		174-012	N	Y	CA	*	NE-40008-147 REV CE
1X/122J-3F	POTTER&BRUMFLD	*	RLY	N		174-014	N	Y	CA	*	NE-40008-148 REV CD
1X/122J-3S	POTTER&BRUMFLD	*	RLY	N		174-014	N	Y	CA	*	NE-40008-148 REV CD
1X/211J-1	POTTER&BRUMFLD	KAP-11AG	RLY	N	MCC 2K1	245-042	Y	N	CR	Y	NE-40406-20 REV AK
1X/212J-2F	POTTER&BRUMFLD	*	RLY	N		274-011	N	Y	CA	*	NE-40406-53 REV AM
1X/212J-2S	POTTER&BRUMFLD	*	RLY	N		274-011	N	Y	CA	*	NE-40406-53 REV AM
1X/212J-3F	POTTER&BRUMFLD	*	RLY	N		274-013	N	Y	CA	*	NE-40406-54 REV AN
1X/212J-3S	POTTER&BRUMFLD	*	RLY	N		274-013	N	Y	CA	*	NE-40406-54 REV AN
1X/221J-1	POTTER&BRUMFLD	KAP-11AG	RLY	N	MCC 2K2	245-041	Y	N	CR	Y	NE-40406-66 REV AH
1X/222J-2F	POTTER&BRUMFLD	*	RLY	N		274-012	N	Y	CA	*	NE-40406-103 REV AN
1X/222J-2S	POTTER&BRUMFLD	*	RLY	N		274-012	N	Y	CA	*	NE-40406-103 REV AN
1X/222J-3F	POTTER&BRUMFLD	*	RLY	N		274-014	N	Y	CA	*	NE-40406-104 REV AM
1X/222J-3S	POTTER&BRUMFLD	*	RLY	N		274-014	N	Y	CA	*	NE-40406-104 REV AM



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2-1/12CLP	ALLEN BRADLEY	700DC-NT300	RLY	N	70300	145-392	Y	Y	GERS	N	NE-40009-70 REV CY, NE-40009-71 REV TT
2-1/22CLP	ALLEN BRADLEY	700DC-NT300	RLY	N	70350	245-392	Y	Y	GERS	N	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
2-1/MC1*	WEST	W-2	CS	N		MV-32194 MV-32210	N N	Y Y	NV NV	*	XH-1001-885-9 REV H XH-1001-885-9 REV H
2-1/MC2*	WEST	W-2	CS	N		MV-32194 MV-32210	N N	Y Y	NV NV	*	XH-1001-885-9 REV H XH-1001-885-9 REV Y
2-1/MS11*	WEST	W-2	CS	N		MV-32194 MV-32210	N N	Y Y	NV NV	*	XH-1001-885-7 REV J XH-1001-885-7 REV J
2-1/MS12*	WEST	W-2	CS	N		MV-32194 MV-32210	N N	Y Y	NV NV	*	XH-1001-885-7 REV J XH-1001-885-7 REV 7
2-1/RS1-A*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-7 REV J
2-1/RS1-B*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-7 REV J
2-2/12CLP	ALLEN BRADLEY	H DC	RLY	N		145-392	N	Y	CA	*	NE-40009-70 REV CY, NE-40009-71 REV TT
2-2/22CLP	ALLEN BRADLEY	N DC	RLY	N		245-392	N	Y	CA	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
2-3/12CLP	AGASTAT	2412PE	RLY	N	70300	145-392	Y	Y	GERS	N	NE-40009-70 REV CY, NE-40009-71 REV TT
2-3/22CLP	AGASTAT	2412PE	RLY	N	70350	245-392	Y	Y	GERS	N	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
2-3X/12CLP	ALLEN BRADLEY	700DC-NT300	RLY	N	70300	145-392	Y	Y	GERS	N	NE-40009-70 REV CY, NE-40009-71 REV TT
2-3X/22CLP	ALLEN BRADLEY	700DC-NT300	RLY	N	70350	245-392	Y	Y	GERS	N	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
2-52/BYA	WEST	DB-50	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-10 REV D
2-52/BYB	WEST	DB-50	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-10 REV D
2-52/RTA	WEST	DB-50	CS	N		2-52/RTA MV-32194	N N	Y Y	NV NV	*	XH-1001-1405 REV B XH-1001-885-10 REV D

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2-52/RTB	WEST	DB-50	CS	N		2-52/RTB	N	Y	NV	*	XH-1001-1405 REV B
						MV-32210	N	Y	NV	*	XH-1001-885-10 REV D
2-S116X	CLARK	SPECIAL	RLY	N		CD-34081	N	Y	CA	*	NE-40409-111 REV TV
						CD-34084	N	Y	CA	*	NE-40409-111 REV TV
						CD-34085	N	Y	CA	*	NE-40409-111 REV TV
						MV-32147	N	Y	CA	*	NE-40406-44 REV AE
						MV-32153	N	Y	CA	*	NE-40406-46 REV AD
						MV-32154	N	Y	CA	*	NE-40406-44 REV AE
						MV-32386	N	Y	CA	*	NE-40406-32 REV AG
2-S117X	CLARK	SPECIAL	RLY	N		045-591	N	Y	CA	*	NE-40008-76 REV CG, NE-40009-111.1
						145-392	N	Y	CA	*	NE-40009-70 REV CY
						CD-34080	N	Y	CA	*	NE-40409-111 REV TV
						MV-32148	N	Y	CA	*	NE-40406-36 REV AG
						MV-32388	N	Y	CA	*	NE-40406-31 REV AG
2-S118X	CLARK	SPECIAL	RLY	N		075-011	N	Y	CA	*	NE-40008-86 REV CD, NE-40008-87 REV W, NE-40409-96 REV MH
						274-011	N	Y	CA	*	NE-40406-53 REV AM
						274-013	N	Y	CA	*	NE-40406-54 REV AH
2-S126X	CLARK	SPECIAL	RLY	N		CD-34082	N	Y	CA	*	NE-40409-112 REV TV
						CD-34086	N	Y	CA	*	NE-40409-112 REV TV
						CD-34087	N	Y	CA	*	NE-40409-112 REV TV
						MV-32150	N	Y	CA	*	NE-40406-93 REV AN
						MV-32151	N	Y	CA	*	NE-40406-82 REV AE
						MV-32387	N	Y	CA	*	NE-40406-85 REV AF
2-S127X	CLARK	SPECIAL	RLY	N		045-592	N	Y	CA	*	NE-40008-139 REV CF, NE-40409-97 REV LM
						245-392	N	Y	CA	*	NE-40009-71.1 REV CY
						CD-34083	N	Y	CA	*	NE-40409-112 REV TV
						MV-32156	N	Y	CA	*	NE-40406-96 REV AC
						MV-32157	N	Y	CA	*	NE-40406-95 REV AE
2-S128X	CLARK	SPECIAL	RLY	N		075-012	N	Y	CA	*	NE-40008-150 REV CC, NE-40008-151 REV V, NE-40409-97 REV LM
						274-012	N	Y	CA	*	NE-40406-103 REV AN
						274-014	N	Y	CA	*	NE-40406-104 REV AM
2-S1A1	CLARK	7304-PM	RLY	N		MV-32034	N	Y	CA	*	NE-40008-25 REV BQ
						MV-32144	N	Y	CA	*	NE-40008-47 REV BQ

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						MV-32147	N	Y	CA	*	NE-40406-44 REV AE
2-S1A2	CLARK	7304-PM	RLY	N		MV-32153	N	Y	CA	*	NE-40406-46 REV AD
						MV-32154	N	Y	CA	*	NE-40406-44 REV AE
						MV-32386	N	Y	CA	*	NE-40406-32 REV AG
						MV-32388	N	Y	CA	*	NE-40406-31 REV AG
2-S1A3	CLARK	7304-PM	RLY	N		MV-32148	N	Y	CA	*	NE-40406-36 REV AG
						MV-32248	N	Y	CA	*	NE-40406-45 REV AJ
2-S1A5	CLARK	7304-PM	RLY	N		MV-32160	N	Y	CA	*	NE-40406-27 REV AB
						SV-37460	N	Y	CA	*	NE-40009-172 REV B
						SV-37462	N	Y	CA	*	NE-40009-172 REV B
2-S1A7	CLARK	7304-PM	RLY	N		SV-37464	N	Y	CA	*	NE-40409-131 REV B
						SV-37466	N	Y	CA	*	NE-40409-131 REV B
2-S1B1	CLARK	7304-PM	RLY	N		MV-32035	N	Y	CA	*	NE-40008-94 REV BQ
						MV-32150	N	Y	CA	*	NE-40406-93 REV AN
						MV-32159	N	Y	CA	*	NE-40008-102 REV BQ
2-S1B2	CLARK	7304-PM	RLY	N		MV-32157	N	Y	CA	*	NE-40406-95 REV AE
						MV-32387	N	Y	CA	*	NE-40406-85 REV AF
						MV-32389	N	Y	CA	*	NE-40406-81 REV AD
2-S1B3	CLARK	7304-PM	RLY	N		MV-32161	N	Y	CA	*	NE-40406-70 REV AB
2-S1B4	CLARK	7304-PM	RLY	N		MV-32151	N	Y	CA	*	NE-40406-82 REV AE
						MV-32156	N	Y	CA	*	NE-40406-96 REV AC
						MV-32249	N	Y	CA	*	NE-40406-94 REV AJ
2-S1B5	CLARK	7304-PM	RLY	N		SV-37461	N	Y	CA	*	NE-40009-172 REV B
						SV-37463	N	Y	CA	*	NE-40009-172 REV B
						SV-37465	N	Y	CA	*	NE-40409-131 REV B
						SV-37467	N	Y	CA	*	NE-40409-131 REV B
2/111C-10	AGASTAT	TDO	RLY	N		SV-33133	N	Y	CA	*	NE-40008-26 REV BT
2/111C-21	AGASTAT	TDR1	RLY	N		158-011	N	Y	CA	*	NE-40008-30 REV Q, NE-40008-31 REV Y
2/112G-1	ADLAKE	TR1	RLY	N		075-011	N	Y	CA	*	NE-40008-86 REV CD
2/121C-10	AGASTAT	TDO	RLY	N		SV-33134	N	Y	CA	*	NE-40008-93 REV Y
2/121C-22	AGASTAT	TDR4	RLY	N		258-012	N	Y	CA	*	NE-40008-95 REV GG, NE-40008-96 REV RS

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2/122G-1	ADLAKE	CR10	RLY	N		075-012	N	Y	CA	*	NE-40008-150 REV CC
2/S1B-A*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-7 REV J
2/S1B-B*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-7 REV J
2/TR1	EAGLE SIGNAL	HP53A6	RLY	N		158-011 258-012	N N	Y Y	CA CA	* *	NE-40008-32 REV RS NE-40008-32 REV RS
232-281	JOY	38-17 1/2-1150	INST	N		232-281	N	Y	CA	*	NE-40008-29.2 REV LL
232-291	JOY	29 1/4-17 1/2-1	INST	N		232-291	N	Y	CA	*	NE-40008-29.1 REV U
23X/16206	CLARK	PM/4U2	RLY	N	034-011	034-011	Y	Y	GERS	N	NE-40009-74 REV CW
23X/16207	CLARK	PM/4U2	RLY	N	034-021	034-021	Y	Y	GERS	N	NE-40009-82 REV CU
23X/16971*	UNSPECIFIED	*	RLY	N		132-281 132-291	N N	Y Y	CA CA	* *	NE-40008-29 REV LL, NE-40009-142 REV F NE-40008-29 REV LL, NE-40009-142 REV F
23X/16972*	UNSPECIFIED	*	RLY	N		232-281 232-291	N N	Y Y	CA CA	* *	NE-40008-97 REV LL NE-40008-97 REV LL, NE-40009-142 REV F
25/B15	BASLER ELECTRIC	BE1-25	RLY	N		034-011 BKR 15-3 BKR 15-7	N N N	Y Y Y	CA CA CA	* * *	NE-40006-30 REV L, NE-40006-31 REV H, NE-40006-49 REV PQ NE-40006-50 REV ST, NE-40006-31 REV H NE-40006-54 REV KL, NE-40006-31 REV H
25/B16	BASLER ELECTRIC	BE1-25	RLY	N	B16 AUX RELAY CAB	034-021 BKR 16-2 BKR 16-8	N N N	Y Y Y	CA CA CA	* * *	NE-40006-31 REV H, NE-40006-30 REV L NE-40006-58 REV KL, NE-40006-31 REV H NE-40006-31 REV H, NE-40006-64 REV QR
25/B25	BASLER ELECTRIC	BE1-25	RLY	N		BKR 25-16 BKR 25-5	N N	Y Y	CA CA	* *	NE-116785-29 REV B, NE-116785-32 REV A NE-116785-16 REV B
25/B26	BASLER ELECTRIC	BE1-25	RLY	N		BKR 26-13	N	Y	CA	*	NE-116786-26 REV B, NE-116786-32 REV A

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						BKR 26-2	N	Y	CA	*	NE-116786-15 REV B, NE-116786-32 REV A
26/31652*	UNSPECIFIED	*	INST	N		158-011	N	Y	CA	*	NE-40008-31 REV Y
26/31655*	UNSPECIFIED	*	INST	N		258-012	N	Y	CA	*	NE-40008-96 REV RS
26X/112G-1A	KLOCKNER-MOELLER	CR7	RLY	N	075-011	075-011	Y	N	CR	Y	NE-40008-87 REV W
26X/112G-1C	KLOCKNER-MOELLER	CR9	RLY	N	075-011	075-011	Y	N	CR	Y	NE-40008-87 REV W
26X/122G-1A	KLOCKNER-MOELLER	CR7	RLY	N	075-012	075-012	Y	N	CR	Y	NE-40008-151 REV V
26X/122G-1C	KLOCKNER-MOELLER	CR9	RLY	N	075-012	075-012	Y	N	CR	Y	NE-40008-151 REV V
26X/12CLP	ALLEN BRADLEY	N DC	RLY	N		145-392	N	Y	CA	*	NE-40009-70 REV CY,NE-40009-71 REV TT
26X/22CLP	ALLEN BRADLEY	N DC	RLY	N		245-392	N	Y	CA	*	NE-40009-71.1 REV CY,NE-40009-71.2 REV QQ
26Y/12CLP	ALLEN BRADLEY	N DC	RLY	N		145-392	N	Y	CA	*	NE-40009-71 REV TT
26Y/22CLP	ALLEN BRADLEY	N DC	RLY	N		245-392	N	Y	CA	*	NE-40009-71.2 REV QQ
27A-DV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)		NE-40006-4 REV AD, XH-2713-10-4 REV F
27A-DV/B16 S EQ	ASEA BRN BOVERI	27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)		NE-40006-10 REV J, XH-2713-10-4 REV F
27A-DV/B25 S EQ	ASEA BRN BOVERI	27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		NE-116785-11 REV A, XH-2713-10-4 REV F
27A-DV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)		NE-116786-12 REV A, XH-2713-10-4 REV F
27A-LV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)		NE-40006-4 REV AD, XH-2713-10-4 REV F
27A-LV/B16 S EQ	ASEA BRN BOVERI	27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)		NE-40006-10 REV J, XH-2713-10-4 REV F
27A-LV/B25 S EQ	ASEA BRN BOVERI	27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		NE-116785-11 REV A, XH-2713-10-4 REV F
27A-LV/B26 S	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD	BUS 26	Y	Y	OTHER(I N		NE-116786-12 REV A,

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EQ					SEQ				EEE)	XH-2713-10-4 REV F
27A-UV/B15 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-4 REV F
27A-UV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	NE-40006-10 REV J, XH-2713-10-4 REV F
27A-UV/B25 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	NE-116785-11 REV A, XH-2713-10-4 REV F
27A-UV/B26 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	NE-116786-12 REV A, XH-2713-10-4 REV F
27B-DV/B15 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-4 REV F
27B-DV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	NE-40006-10 REV J, XH-2713-10-4 REV F
27B-DV/B25 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	NE-116785-11 REV A, XH-2713-10-4 REV F
27B-DV/B26 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	NE-116786-12 REV A, XH-2713-10-4 REV F
27B-LV/B15 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-4 REV F
27B-LV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	NE-40006-10 REV J, XH-2713-10-4 REV F
27B-LV/B25 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	NE-116785-11 REV A, XH-2713-10-4 REV F
27B-LV/B26 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	NE-116786-12 REV A, XH-2713-10-4 REV F
27B-UV/B15 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-4 REV F
27B-UV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	NE-40006-10 REV J, XH-2713-10-4 REV F
27B-UV/B25 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	NE-116785-11 REV A, XH-2713-10-4 REV F

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27B-UV/B26 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	NE-116786-12 REV A, XH-2713-10-4 REV F
27CT/B15 SEQ	ASEA BRN	BOVERI 27N	RLY	N	B15 LOAD SEQ	BKR 16-8	Y	Y	OTHER(I N EEE)	NE-40006-12 REV WX, XH-2713-10-5 REV E
27CT/B16 SEQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BKR 16-8	Y	Y	OTHER(I N EEE)	NE-40006-12 REV WX, XH-2713-10-5 REV E
27CT/B25 SEQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BKR 25-5	Y	Y	OTHER(I N EEE)	NE-116785-4 REV B, XH-2713-10-5 REV E
27CT/B26 SEQ	ASEA BRN	BOVERI 27N	RLY	N	B26 LOAD SEQ	BKR 26-13	Y	Y	OTHER(I N EEE)	NE-116786-9 REV B, XH-2713-10-5 REV E
27R-DV/B15 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-4 REV F
27R-DV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	NE-40006-10 REV J, XH-2713-10-4 REV F
27R-DV/B25 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	NE-116785-11 REV A, XH-2713-10-4 REV F
27R-DV/B26 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	NE-116786-12 REV A, XH-2713-10-4 REV F
27R-LV/B15 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-4 REV F
27R-LV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	NE-40006-10 REV J, XH-2713-10-4 REV F
27R-LV/B25 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	NE-116785-11 REV A, XH-2713-10-4 REV F
27R-LV/B26 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	NE-116786-12 REV A, XH-2713-10-4 REV F
27R-UV/B15 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-4 REV F
27R-UV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	NE-40006-10 REV J, XH-2713-10-4 REV F
27R-UV/B25 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	NE-116785-11 REV A, XH-2713-10-4 REV F

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27R-UV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	NE-116786-12 REV A, XH-2713-10-4 REV F
27RY/B15 SEQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BKR 15-3	Y	Y	OTHER(I N EEE)	NE-40006-3 REV RT, XH-2713-10-5 REV E
27RY/B16 SEQ	ASEA BRN BOVERI	27N	RLY	N	B16 LOAD SEQ	BKR 15-3	Y	Y	OTHER(I N EEE)	NE-40006-3 REV RT, XH-2713-10-5 REV E
27RY/B25 SEQ	ASEA BRN BOVERI	27N	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)	NE-116785-10 REV A, XH-2713-10-5 REV E
27RY/B26 SEQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BKR 26-2	Y	Y	OTHER(I N EEE)	NE-116786-3 REV B, XH-2713-10-5 REV E
27S-DV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-5 REV E
27S-DV/B16 S EQ	ASEA BRN BOVERI	27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	NE-40006-10 REV J, XH-2713-10-5 REV E
27S-DV/B25 S EQ	ASEA BRN BOVERI	27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	NE-116785-11 REV A, XH-2713-10-5 REV E
27S-DV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	NE-116786-12 REV A, XH-2713-10-5 REV E
27S-LV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-5 REV E
27S-LV/B16 S EQ	ASEA BRN BOVERI	27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	NE-40006-10 REV J, XH-2713-10-5 REV E
27S-LV/B25 S EQ	ASEA BRN BOVERI	27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	NE-116785-11 REV A, XH-2713-10-5 REV E
27S-LV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	NE-116786-12 REV A, XH-2713-10-5 REV E
27S-UV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-5 REV E
27S-UV/B16 S EQ	ASEA BRN BOVERI	27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	NE-40006-10 REV J, XH-2713-10-5 REV E
27S-UV/B25 S EQ	ASEA BRN BOVERI	27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	NE-116785-11 REV A, XH-2713-10-5 REV E



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275-LV/B26 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)		NE-116786-12 REV A, XH-2713-10-5 REV E
28240*	DYNALCO	D5900	INST	N		145-392	N	Y	NV	*	NE-40009-71 REV TT
28241*	DYNALCO	D5900	INST	N		245-392	N	Y	NV	*	NE-40009-71.1 REV CY
28247	SYNCHRO-START	ESSB-2AT	INST	N	034-011	034-011	Y	Y	NV	N	NE-40009-73 REV DA, NE-40009-79 REV AD
28248	SYNCHRO-START	ESSB-2AT	INST	N	034-021	034-021	Y	Y	NV	N	NE-40009-81 REV DA, NE-40009-87 REV CM
2AFP-1XA	WEST	NBFD-65NR	RLY	N		245-331	N	Y	CA	*	NE-116785-22 REV A
2AFP-1XB	WEST	NBFD-65NR	RLY	N		CV-31999	N	Y	CA	*	NE-40409-81.1 REV EM
2AFP-2XA	WEST	NBFD-65NR	RLY	N		245-331	N	Y	CA	*	NE-116785-22 REV A
2AFP-2XB	WEST	NBFD-65NR	RLY	N		CV-31999	N	Y	CA	*	NE-40409-81.1 REV EM
2AMSAC A/221 5	STRUTHERS-DUNN	219-XDXP	RLY	N		245-331	N	Y	CA	*	NE-116785-22 REV A
2AMSAC B/220 8	STRUTHERS-DUNN	219-XDXP	RLY	N		CV-31999	N	Y	CA	*	NE-40409-81.1 REV EM
2CA1/MS	CLARK	7304-PM	RLY	N		CV-31116	N	Y	CA	*	NE-40409-79 REV AC
2CA2/MS	CLARK	7304-PM	RLY	N		CV-31117	N	Y	CA	*	NE-40409-80 REV AC
2CB1/MS	CLARK	7304-PM	RLY	N		CV-31116	N	Y	CA	*	NE-40409-79 REV AC
2CB2/MS	CLARK	7304-PM	RLY	N		CV-31117	N	Y	CA	*	NE-40409-80 REV AC
2CI-10X	WEST	BFD-48S	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	NE-40406-32 REV AG, XH-1001-885-9 REV H
						MV-32406	N	Y	CA	*	NE-40406-38.1 REV B
2CI-12X	WEST	BFD-48S	RLY	N		CV-31639	N	Y	CA	*	NE-40409-101 REV M
						CV-31640	N	Y	CA	*	NE-40409-101 REV M
						MV-32408	N	Y	CA	*	NE-40406-38.1 REV B
						MV-32410	N	Y	CA	*	NE-40406-29.1 REV B
2CI-20X	WEST	BFD-48S	RLY	N	2BSG2	MV-32210	Y	Y	GERS	N	NE-40406-80 REV L, XH-1001-885-9 REV H

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Reference..... Drawing(s).....
2CIA	WEST	MG-6	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	XH-1001-885-9 REV H
2CIB	WEST	MG-6	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	XH-1001-885-9 REV H
2C1R-A	WEST	BFD-22S	RLY	N		MV-32194	N	Y	CA	*	XH-1001-885-9 REV H
2C1R-B	WEST	BFD-22S	RLY	N		MV-32210	N	Y	CA	*	XH-1001-885-9 REV H
2LC-112B-X	WEST	BF-22F	RLY	N		MV-32062 MV-32063	N N	Y Y	CA CA	* *	NE-40406-21 REV TT NE-40406-21 REV TT
2LC-141B-X	WEST	BF-22F	RLY	N		MV-32062 MV-32063	N N	Y Y	CA CA	* *	NE-40406-21 REV TT NE-40406-21 REV TT
2LC-427B-X	WEST	BF-66F	RLY	N	2AMR1	BKR 212C BKR 222C CV-31230	Y Y N	N N Y	CR CR CA	Y Y *	NE-40406-12.6 REV A, 5018087-270 REV 4 NE-40406-14 REV UU, 5018087-270 REV 4 NE-40409-85 REV BT
2LC-428B-X	WEST	BF-66F	RLY	N	2AMR1	BKR 212C BKR 222C	Y Y	N N	CR CR	Y Y	NE-40406-12.6 REV A, 5018087-270 REV 4 NE-40406-14 REV UU, 5018087-270 REV 4
2LC-428D-X	WEST	BF-66F	RLY	N	2AMR1	BKR 212C BKR 222C CV-31279	Y Y N	N N Y	CR CR CA	Y Y *	NE-40406-12.6 REV A, 5018087-270 REV 4 NE-40406-14 REV UU, 5018087-270 REV 4 NE-40409-89 REV VV
2LCV-427X	WEST	BFD-40S	RLY	N		CV-31230	N	Y	CA	*	NE-40409-85 REV BT
2LCV-428X	WEST	BFD-40S	RLY	N		CV-31279	N	Y	CA	*	NE-40409-89 REV VV
2MS-A1	WEST	BFD-33S	RLY	N		CV-31116	N	Y	CA	*	NE-40409-79 REV AC
2MS-A2	WEST	BFD-33S	RLY	N		CV-31117	N	Y	CA	*	NE-40409-80 REV AC
2MS-B1	WEST	BFD-33S	RLY	N		CV-31116	N	Y	CA	*	NE-40409-79 REV AC
2MS-B2	WEST	BFD-33S	RLY	N		CV-31117	N	Y	CA	*	NE-40409-80 REV AC
2PB/RC1A*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-9 REV H
2PB/RC1B*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-9 REV H

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2PC-419DXA	WEST	*	RLY	N		CV-31234	N	Y	CA	*	NE-40409-85 REV BT
2PC-419DXB	WEST	*	RLY	N		CV-31233	N	Y	CA	*	NE-40409-85 REV BT
2PC-420DXA	WEST	*	RLY	N		CV-31234	N	Y	CA	*	NE-40409-85 REV BT
2PC-420DXB	WEST	*	RLY	N		CV-31233	N	Y	CA	*	NE-40409-85 REV BT
2PC-429B-X	WEST	BF-22F	RLY	N		CV-31234	N	Y	CA	*	NE-40409-85 REV BT
2PC-429C-AT*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-2 REV B
2PC-429C-BT*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-2 REV B
2PC-429C-XA	WEST	BF-46F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-429C-XB	WEST	BF-46F	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-429D-AT	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-5 REV A
2PC-429D-BT	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-5 REV A
2PC-429D-XA	WEST	BF-66F	RLY	N		MV-32194	N	Y	CA	*	XH-1001-885-7 REV J
2PC-429D-XB	WEST	BF-66F	RLY	N		MV-32210	N	Y	CA	*	XH-1001-885-7 REV J
2PC-430B-X	WEST	BF-22F	RLY	N		CV-31234	N	Y	CA	*	NE-40409-85 REV BT
2PC-430E-AT*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-2 REV B
2PC-430E-BT*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-2 REV B
2PC-430E-XA	WEST	BF-46F	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-430E-XB	WEST	BF-46F	RLY	N	2BSG2	MV-32210	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-430F-AT	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-5 REV A
2PC-430F-BT	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-5 REV A
2PC-430F-XA	WEST	BF-66F	RLY	N		MV-32194	N	Y	CA	*	XH-1001-885-7 REV J
2PC-430F-XB	WEST	BF-66F	RLY	N		MV-32210	N	Y	CA	*	XH-1001-885-7 REV J
2PC-431B-X	WEST	BF-22F	RLY	N		CV-31233	N	Y	CA	*	NE-40409-85 REV BT
2PC-431E-X	WEST	BF-66F	RLY	N	2AHR1	BKR 212C	Y	N	CR	Y	NE-40406-12.6 REV A,

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						BKR 222C	Y	N	CR	Y	XH-1-741-271 REV A NE-40406-14 REV UU, XH-1-741-271 REV A
2PC-431G-AT*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-2 REV B
2PC-431G-BT*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-2 REV B
2PC-431G-XA	WEST	BF-46F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-431G-XB	WEST	BF-46F	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-431I-AT	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-5 REV A
2PC-431I-BT	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-5 REV A
2PC-431I-XA	WEST	BF-66F	RLY	N		MV-32194	N	Y	CA	*	XH-1001-885-7 REV J
2PC-431I-XB	WEST	BF-66F	RLY	N		MV-32210	N	Y	CA	*	XH-1001-885-7 REV J
2PC-449B-X	WEST	BF-22F	RLY	N		CV-31233	N	Y	CA	*	NE-40409-85 REV BT
2PC-468A-AT*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-2 REV B
2PC-468A-BT*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-2 REV B
2PC-468A-XA	WEST	BF-46F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-468A-XB	WEST	BF-46F	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-469A-AT*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-2 REV B
2PC-469A-BT*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-2 REV B
2PC-469A-XA	WEST	BF-48F	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-469A-XB	WEST	BF-48F	RLY	N	2BSG2	MV-32210	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-478A-AT*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-2 REV B
2PC-478A-BT*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-2 REV B
2PC-478A-XA	WEST	BF-46F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-478A-XB	WEST	BF-46F	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-479A-AT*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-2 REV B

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2PC-479A-BT*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-2 REV B
2PC-479A-XA	WEST	BF-48F	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-479A-XB	WEST	BF-48F	RLY	N	2BSG2	MV-32210	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-482A-AT*	WEST	OT2	CS	N		MV-32166 MV-32194	N N	Y Y	NV NV	*	XH-1001-885-2 REV B XH-1001-885-2 REV B
2PC-482A-BT*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-2 REV B
2PC-482A-XA	WEST	BF-48F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-482A-XB	WEST	BF-48F	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-483A-AT*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-2 REV B
2PC-483A-BT*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-2 REV B
2PC-483A-XA	WEST	BF-48F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-483A-XB	WEST	BF-48F	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-945A-AT*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-4 REV A
2PC-945A-BT*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-4 REV A
2PC-945A-XA	WEST	BF-46F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-945A-XB	WEST	BF-46F	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-947A-AT*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-4 REV A
2PC-947A-BT*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-4 REV A
2PC-947A-XA	WEST	BF-46F	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-947A-XB	WEST	BF-46F	RLY	N	2BSG2	MV-32210	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-949A-AT*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-4 REV A
2PC-949A-BT*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-4 REV A
2PC-949A-XA	WEST	BF-48F	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	XH-1001-885-7 REV J
2PC-949A-XB	WEST	BF-48F	RLY	N	2BSG2	MV-32210	Y	Y	GERS	N	XH-1001-885-7 REV J

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2RT-10XA	WEST	NBFD-65NR	RLY	N		2-52/RTA	N	Y	CA	*	XH-1001-1405 REV B
2RT-10XB	WEST	NBFD-65NR	RLY	N		2-52/RTB	N	Y	CA	*	XH-1001-1405 REV B
2RT-11XA	WEST	NBFD-65NR	RLY	N		2-52/RTA	N	Y	CA	*	XH-1001-1405 REV B
2RT-11XB	WEST	NBFD-65NR	RLY	N		2-52/RTB	N	Y	CA	*	XH-1001-1405 REV B
2RT-12XA	WEST	NBFD-65NR	RLY	N		2-52/RTA	N	Y	CA	*	XH-1001-1405 REV B
2RT-12XB	WEST	NBFD-65NR	RLY	N		2-52/RTB	N	Y	CA	*	XH-1001-1405 REV B
2RT-1XA	WEST	NBFD-65NR	RLY	N		2-52/RTA	N	Y	CA	*	XH-1001-1405 REV B
2RT-1XB	WEST	NBFD-65NR	RLY	N		2-52/RTB	N	Y	CA	*	XH-1001-1405 REV B
2RT-2XA	WEST	NBFD-65NR	RLY	N		2-52/RTA	N	Y	CA	*	XH-1001-1405 REV B
2RT-2XB	WEST	NBFD-65NR	RLY	N		2-52/RTB	N	Y	CA	*	XH-1001-1405 REV B
2RT-3XA	WEST	NBFD-65NR	RLY	N		2-52/RTA	N	Y	CA	*	XH-1001-1405 REV B
2RT-3XB	WEST	NBFD-65NR	RLY	N		2-52/RTB	N	Y	CA	*	XH-1001-1405 REV B
2RT-4XA	WEST	NBFD-65NR	RLY	N		2-52/RTA	N	Y	CA	*	XH-1001-1405 REV B
2RT-4XB	WEST	NBFD-65NR	RLY	N		2-52/RTB	N	Y	CA	*	XH-1001-1405 REV B
2RT-5XA	WEST	NBFD-65NR	RLY	N		2-52/RTA	N	Y	CA	*	XH-1001-1405 REV B
2RT-5XB	WEST	NBFD-65NR	RLY	N		2-52/RTB	N	Y	CA	*	XH-1001-1405 REV B
2RT-6XA	WEST	NBFD-65NR	RLY	N		2-52/RTA	N	Y	CA	*	XH-1001-1405 REV B
2RT-6XB	WEST	NBFD-65NR	RLY	N		2-52/RTB	N	Y	CA	*	XH-1001-1405 REV B
2RT-7XA	WEST	NBFD-65NR	RLY	N		2-52/RTA	N	Y	CA	*	XH-1001-1405 REV B
2RT-7XB	WEST	NBFD-65NR	RLY	N		2-52/RTB	N	Y	CA	*	XH-1001-1405 REV B
2RT-8XA	WEST	NBFD-65NR	RLY	N		2-52/RTA	N	Y	CA	*	XH-1001-1405 REV B
2RT-8XB	WEST	NBFD-65NR	RLY	N		2-52/RTB	N	Y	CA	*	XH-1001-1405 REV B
2RT-9XA	WEST	NBFD-65NR	RLY	N		2-52/RTA	N	Y	CA	*	XH-1001-1405 REV B
2RT-9XB	WEST	NBFD-65NR	RLY	N		2-52/RTB	N	Y	CA	*	XH-1001-1405 REV B

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2RTA	WEST	BFD-84S	RLY	N	2ASG2	MV-32194	N	Y	CA	*	XH-1001-885-7 REV J, XH-1001-885-10 REV D
2RTAT*	WEST	OT2	CS	N		MV-32194	N	Y	NV	*	XH-1001-885-10 REV D
2RTB	WEST	BFD-84S	RLY	N	2BSG2	MV-32210	N	Y	CA	*	XH-1001-885-7 REV J, XH-1001-885-10 REV D
2RTBT*	WEST	OT2	CS	N		MV-32210	N	Y	NV	*	XH-1001-885-10 REV D
2SI-11X	WEST	BFD-84S	RLY	N		CV-39200	N	Y	CA	*	NE-40409-101 REV M
2SI-12X	WEST	BFD-84S	RLY	N	2ASG2	145-392 MV-32034	N N	Y Y	CA CA	* *	NE-40009-70 REV CY NE-40008-25 REV BQ
2SI-13X	WEST	BFD-84S	RLY	N		245-331 MV-32144 SV-37460 SV-37462 SV-37464 SV-37466	N N N N N N	Y Y Y Y Y Y	CA CA CA CA CA CA	* * * * * *	NE-116785-22 REV A NE-40008-47 REV BQ NE-40009-172 REV B NE-40009-172 REV B NE-40409-131 REV B NE-40409-131 REV B
2SI-14X	WEST	BFD-84S	RLY	N		BKR 25-15 MV-32248	N N	Y Y	CA CA	* *	NE-116785-28 REV A NE-40406-45 REV AJ
2SI-14X1			RLY	N		BKR 25-15 BKR 25-17	N N	Y Y	CA CA	* *	NE-116785-28 REV A NE-116785-30 REV A
2SI-15X	WEST	BFD-120S	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	XH-1001-885-9 REV H, XH-1001-885-8 REV J
2SI-21X	WEST	BFD-84S	RLY	N		CV-39202	N	Y	CA	*	NE-40409-101 REV M
2SI-22X	WEST	BFD-84S	RLY	N	2BSG2	245-392 MV-32035	N N	Y Y	CA CA	* *	NE-40009-71.1 REV CY NE-40008-94 REV BQ
2SI-23X	WEST	BFD-84S	RLY	N		LV-31999 MV-32159 SV-37461 SV-37463 SV-37465 SV-37467	N N N N N N	Y Y Y Y Y Y	CA CA CA CA CA CA	* * * * * *	NE-40409-81.1 REV EM NE-40008-102 REV BQ NE-40009-172 REV B NE-40009-172 REV B NE-40409-131 REV B NE-40409-131 REV B
2SI-24X	WEST	BFD-84S	RLY	N		BKR 26-3 MV-32249	N N	Y Y	CA CA	* *	NE-116786-16 REV A NE-40406-94 REV AJ
2SI-24X1			RLY	N		BKR 26-1	N	Y	CA	*	NE-116786-13 REV A

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						BKR 26-3	N	Y	CA	*	NE-116786-16 REV A
2S1-25X	WEST	BFD-120S	RLY	N	2BSG2	MV-32210	Y	Y	GERS	N	XH-1001-885-9 REV H, XH-1001-885-8 REV J
2S1A-A1	WEST	MG-6	RLY	N		MV-32194	N	Y	CA	*	XH-1001-885-7 REV J
2S1A-A2	WEST	MG-6	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	XH-1001-885-8 REV J, XH-1001-885-7 REV J
2S1A-B1	WEST	MG-6	RLY	N		MV-32210	N	Y	CA	*	XH-1001-885-7 REV J
2S1A-B2	WEST	MG-6	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	XH-1001-885-8 REV J
2S1B-A	WEST	MG-6	RLY	N		MV-32194	N	Y	CA	*	XH-1001-885-7 REV J
2S1B-B	WEST	MG-6	RLY	N		MV-32210	N	Y	CA	*	XH-1001-885-7 REV J
2S1B-XA	WEST	BFD-44S	RLY	N		MV-32194	N	Y	CA	*	XH-1001-885-7 REV J
2S1B-XB	WEST	BFD-44S	RLY	N		MV-32210	N	Y	CA	*	XH-1001-885-7 REV J
2S1R-A	WEST	BFD-22S	RLY	N	2ASG2	MV-32194	N	Y	CA	*	XH-1001-885-7 REV J
2S1R-B	WEST	BFD-22S	RLY	N	2BSG2	MV-32210	N	Y	CA	*	XH-1001-885-7 REV J
2TD-AFP-XB	AGASTAT	2422PD	RLY	N		CV-31999	N	Y	CA	*	NE-40409-81.1 REV EM
2TDR-19	AGASTAT	2412PE	RLY	N	2ASG1	MV-32194	N	Y	CA	*	XH-1001-885-7 REV J
2TDR-29	AGASTAT	2412PE	RLY	N	2BSG1	MV-32210	N	Y	CA	*	XH-1001-885-7 REV J
2TRA1	WEST	BFD-48S	RLY	N	2ASG2	MV-32194	N	Y		*	XH-1001-885-9 REV H
2TRB1	WEST	BFD-48S	RLY	N	2BSG2	MV-32210	N	Y	CA	*	XH-1001-885-9 REV H, XH-1001-885-7 REV J
31652-LSOP*	UNSPECIFIED	*	CS	N		158-011 258-012	N N	Y Y	NV NV	*	NE-40008-32 REV RS NE-40008-32 REV RS
31653-LSOP*	UNSPECIFIED	*	CS	N		158-011 258-012	N N	Y Y	NV NV	*	NE-40008-32 REV RS NE-40008-32 REV RS
31654-LSOP*	UNSPECIFIED	*	CS	N		158-011 258-012	N N	Y Y	NV NV	*	NE-40008-32 REV RS NE-40008-32 REV RS
31655-LSOP*	UNSPECIFIED	*	CS	N		158-011	N	Y	NV	*	NE-40008-32 REV RS



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						258-012	N	Y	NV	*	NE-40008-32 REV RS
31998-LSCL	NAMCO	EA180-12602	CS	N		CV-31998	N	Y	NV	*	NE-40009-97.2 REV DN
31998-LSOP	NAMCO	EA180-12602	CS	N		CV-31998	N	Y	NV	*	NE-40009-97.2 REV DN
31999-LSCL	NAMCO	EA180-12602	CS	N		CV-31999	N	Y	NV	*	NE-40409-81.1 REV EM
31999-LSOP	NAMCO	EA180-12602	CS	N		CV-31999	N	Y	NV	*	NE-40409-81.1 REV EM
33X-1/31998	AGASTAT	EGPD003	RLY	N		CV-31998	N	Y	CA	*	NE-40009-97.2 REV DN
33X/31998	AGASTAT	EGPD002	RLY	N		CV-31414	N	Y	CA	*	NE-40009-129.8 REV TU
						CV-31415	N	Y	CA	*	NE-40009-129.8 REV TU
						CV-31998	N	Y	CA	*	NE-40009-97.2 REV DN
33X/31999	GE	CR120BD06141	RLY	N		CV-31610	N	Y	CA	*	NE-40009-129.8 REV TU
						CV-31611	N	Y	CA	*	NE-40009-129.8 REV TU
						CV-31999	N	Y	CA	*	NE-40409-81.1 REV EM
33X/34072	CLARK	7304-PM	RLY	N		CD-34072	N	Y	CA	*	NE-40009-136 REV BM
33X/34073	CLARK	7304-PM	RLY	N		CD-34073	N	Y	CA	*	NE-40009-136 REV BM
33X/34074	CLARK	7304-PM	RLY	N		CD-34074	N	Y	CA	*	NE-40009-137 REV BM
33X/34075	CLARK	7304-PM	RLY	N		CD-34075	N	Y	CA	*	NE-40009-137 REV BM
33X/34076	CLARK	7304-PM	RLY	N		CD-34076	N	Y	CA	*	NE-40009-136 REV BM
33X/34077	CLARK	7304-PM	RLY	N		CD-34077	N	Y	CA	*	NE-40009-136 REV BM
33X/34078	CLARK	7304-PM	RLY	N		CD-34078	N	Y	CA	*	NE-40009-137 REV BM
33X/34079	CLARK	7304-PM	RLY	N		CD-34079	N	Y	CA	*	NE-40009-137 REV BM
33X/34080	CLARK	7304-PM	RLY	N		CD-34080	N	Y	CA	*	NE-40409-111 REV TV
33X/34081	CLARK	7304-PM	RLY	N		CD-34081	N	Y	CA	*	NE-40409-111 REV TV
33X/34082	CLARK	7304-PM	RLY	N		CD-34082	N	Y	CA	*	NE-40409-112 REV TV
33X/34083	CLARK	7304-PM	RLY	N		CD-34083	N	Y	CA	*	NE-40409-112 REV TV
33X/34084	CLARK	7304-PM	RLY	N		CD-34084	N	Y	CA	*	NE-40409-111 REV TV
33X/34085	CLARK	7304-PM	RLY	N		CD-34085	N	Y	CA	*	NE-40409-111 REV TV

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33X/34086	CLARK	7304-PM	RLY	N		CD-34086	N	Y	CA	*	NE-40409-112 REV TV
33X/34087	CLARK	7304-PM	RLY	N		CD-34087	N	Y	CA	*	NE-40409-112 REV TV
33Y/31998	AGASTAT	EGPD002	RLY	N		CV-31998	N	Y	CA	*	NE-40009-97.2 REV DN
33Y/31999	GE	CR120BD06141	RLY	N		CV-31999	N	Y	CA	*	NE-40409-81.1 REV EM
33Z/31998	AGASTAT	EGPD003	RLY	N		CV-31998	N	Y	CA	*	NE-40009-97.2 REV DN
33Z/31999	GE	CR120BD03441	RLY	N		CV-31999	N	Y	CA	*	NE-40409-81.1 REV EM
34/T1*	UNSPECIFIED	*	RLY	N		158-011 258-012	N N	Y Y	CA CA	* *	NE-40008-32 REV RS NE-40008-32 REV RS
34/TR17*	UNSPECIFIED	*	RLY	N		067-011 SV-33133	N N	Y Y	CA CA	* *	NE-40008-26 REV BT NE-40008-26 REV BT
34/TR17A*	UNSPECIFIED	*	RLY	N		067-012 SV-33134	N N	Y Y	CA CA	* *	NE-40008-93 REV Y NE-40008-93 REV Y
34/TR3/112G- 2			RLY	N		075-011	N	Y	CA	*	NE-40008-87 REV W
34/TR3/122G- 2			RLY	N		075-012	N	Y	CA	*	NE-40008-151 REV V
34072-LSCL	NAMCO	EA180-34302	CS	N		CD-34072 CD-34073	N N	Y Y	NV NV	* *	NE-40009-136 REV BM NE-40009-136 REV BM
34072-LSOP	NAMCO	EA170-35302	CS	N		CD-34072	N	Y	NV	*	NE-40009-136 REV BM
34073-LSCL	NAMCO	EA170-35302	CS	N		CD-34073	N	Y	NV	*	NE-40009-136 REV BM
34073-LSOP	NAMCO	EA170-34302	CS	N		CD-34073	N	Y	NV	*	NE-40009-136 REV BM
34074-LSCL	NAMCO	EA180-34302	CS	N		CD-34074 CD-34075	N N	Y Y	NV NV	* *	NE-40009-137 REV BM NE-40009-137 REV BM
34074-LSOP	NAMCO	EA170-35302	CS	N		CD-34074	N	Y	NV	*	NE-40009-137 REV BM
34075-LSCL	NAMCO	EA170-34302	CS	N		CD-34075	N	Y	NV	*	NE-40009-137 REV BM
34075-LSOP	NAMCO	EA170-35302	CS	N		CD-34075	N	Y	NV	*	NE-40009-137 REV BM
34076-LSCL	NAMCO	EA180-35302	CS	N		CD-34076 CD-34077	N N	Y Y	NV NV	* *	NE-40009-136 REV BM NE-40009-136 REV BM

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34076-LSOP	NAMCO	EA170-34302	CS	N		CD-34076	N	Y	NV	*	NE-40009-136 REV BM
34077-LSCL	NAMCO	EA170-34302	CS	N		CD-34077	N	Y	NV	*	NE-40009-136 REV BM
34077-LSOP	NAMCO	EA170-35302	CS	N		CD-34077	N	Y	NV	*	NE-40009-136 REV BM
34078-LSCL	NAMCO	EA180-34302	CS	N		CD-34078 CD-34079	N N	Y Y	NV NV	* *	NE-40009-137 REV BM NE-40009-137 REV BM
34078-LSOP	NAMCO	EA170-35302	CS	N		CD-34078	N	Y	NV	*	NE-40009-137 REV BM
34079-LSCL	NAMCO	EA170-34302	CS	N		CD-34079	N	Y	NV	*	NE-40009-137 REV BM
34079-LSOP	NAMCO	EA170-35302	CS	N		CD-34079	N	Y	NV	*	NE-40009-137 REV BM
34080-LSCL	NAMCO	EA180-35302	CS	N		CD-34080 CD-34081	N N	Y Y	NV NV	* *	NE-40409-111 REV TV NE-40409-111 REV TV
34080-LSOP	NAMCO	EA170-34302	CS	N		CD-34080	N	Y	NV	*	NE-40409-111 REV TV
34081-LSCL	NAMCO	EA170-35302	CS	N		CD-34081	N	Y	NV	*	NE-40409-111 REV TV
34081-LSOP	NAMCO	EA170-34302	CS	N		CD-34081	N	Y	NV	*	NE-40409-111 REV TV
34082-LSCL	NAMCO	EA180-34302	CS	N		CD-34082 CD-34083	N N	Y Y	NV NV	* *	NE-40409-112 REV TV NE-40409-112 REV TV
34082-LSOP	NAMCO	EA170-35302	CS	N		CD-34082	N	Y	NV	*	NE-40409-112 REV TV
34083-LSCL	NAMCO	EA170-35302	CS	N		CD-34083	N	Y	NV	*	NE-40409-112 REV TV
34083-LSOP	NAMCO	EA170-34302	CS	N		CD-34083	N	Y	NV	*	NE-40409-112 REV TV
34084-LSCL	NAMCO	EA180-34302	CS	N		CD-34084 CD-34085	N N	Y Y	NV NV	* *	NE-40409-111 REV TV NE-40409-111 REV TV
34084-LSOP	NAMCO	EA170-35302	CS	N		CD-34084	N	Y	NV	*	NE-40409-111 REV TV
34085-LSCL	NAMCO	EA170-34302	CS	N		CD-34085	N	Y	NV	*	NE-40409-111 REV TV
34085-LSOP	NAMCO	EA170-35302	CS	N		CD-34085	N	Y	NV	*	NE-40409-111 REV TV
34086-LSCL	NAMCO	EA180-34302	CS	N		CD-34086 CD-34087	N N	Y Y	NV NV	* *	NE-40409-112 REV TV NE-40409-112 REV TV
34086-LSOP	NAMCO	EA170-35302	CS	N		CD-34086	N	Y	NV	*	NE-40409-112 REV TV

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34087-LSCL	NAMCO	EA170-35302	CS	N		CD-34087	N	Y	NV	*	NE-40409-112 REV TV
34087-LSOP	NAMCO	EA170-34302	CS	N		CD-34087	N	Y	NV	*	NE-40409-112 REV TV
34X/T1-2	CLARK	7305-PM	RLY	N		158-011	N	Y	CA	*	NE-40008-31 REV Y, NE-40008-32 REV RS
34X/T1-5	CLARK	7305-PM	RLY	N		258-012	N	Y	CA	*	NE-40008-96 REV RS, NE-40008-32 REV RS
39200-LSCL*	UNSPECIFIED	*	CS	N		CV-39200	N	Y	NV	*	NE-40409-101 REV M
39200-LSOP*	UNSPECIFIED	*	CS	N		CV-39200	N	Y	NV	*	NE-40409-101 REV M
39202-LSCL*	UNSPECIFIED	*	CS	N		CV-39202	N	Y	NV	*	NE-40409-101 REV M
39202-LSOP*	UNSPECIFIED	*	CS	N		CV-39202	N	Y	NV	*	NE-40409-101 REV M
39403-LSCL*	UNSPECIFIED	*	CS	N		CV-39403 CV-39409	N N	Y Y	NV NV	*	NE-40009-165 REV B NE-40009-165 REV B
39409-LSCL*	UNSPECIFIED	*	CS	N		CV-39403 CV-39409	N N	Y Y	NV NV	*	NE-40009-165 REV B NE-40009-165 REV B
39413-LSCL*	UNSPECIFIED	*	CS	N		CV-39413 CV-39421	N N	Y Y	NV NV	*	NE-40409-124 REV B NE-40409-124 REV B
39415-LSCL*	UNSPECIFIED	*	CS	N		CV-39415 CV-39423	N N	Y Y	NV NV	*	NE-40409-127 REV B NE-40409-127 REV B
39421-LSCL*	UNSPECIFIED	*	CS	N		CV-39413 CV-39421	N N	Y Y	NV NV	*	NE-40409-124 REV B NE-40409-124 REV B
39423-LSCL*	UNSPECIFIED	*	CS	N		CV-39415 CV-39423	N N	Y Y	NV NV	*	NE-40409-127 REV B NE-40409-127 REV B
4/112G-1	FURNAS ELEC	PR	RLY	N		075-011	N	Y	CA	*	NE-40008-86 REV CD, NE-40008-85 REV U
4/122G-1	FURNAS ELEC	PR	RLY	N		075-012	N	Y	CA	*	NE-40008-150 REV CC, NE-40008-149 REV V
4/DG1-15	CLARK	PM	RLY	N	B15 LOGIC RELAY CAB. 1	034-011	Y	N	CR	Y	NE-40009-72 REV CY, NE-40009-73 REV DA, NE-40006-41 REV QQ
4/DG1-26	CLARK	PM	RLY	N	B16 LOGIC	034-011	N	Y	NA	*	NE-40009-72 REV CY,

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					RELAY CAB. 1						NE-40009-73 REV DA, NE-40005-40 REV
42-2X/111J-1	CLARK	7305-PM	RLY	N		145-042	N	Y	CA	*	NE-40008-35 REV NN
42-2X/121J-1	CLARK	7305-PM	RLY	N		145-041	N	Y	CA	*	NE-40008-100 REV BH
42-2X/211J-1	CLARK	7305-PM	RLY	N		245-042	N	Y	CA	*	NE-40406-20 REV AK
42-2X/221J-1	CLARK	7305-PM	RLY	N		245-041	N	Y	CA	*	NE-40406-66 REV AH
42-3X/111J-1	CLARK	7305-PM	RLY	N		145-042	N	Y	CA	*	NE-40008-35 REV NN
42-3X/121J-1	CLARK	7305-PM	RLY	N		145-041	N	Y	CA	*	NE-40008-100 REV BH
42-3X/211J-1	CLARK	7305-PM	RLY	N		245-042	N	Y	CA	*	NE-40406-20 REV AK
42-3X/221J-1	CLARK	7305-PM	RLY	N		245-041	N	Y	CA	*	NE-40406-66 REV AH
42FX/112J-2	CLARK	7305-PM	RLY	N		174-011	N	Y	CA	*	NE-40008-83 REV CD
42FX/112J-3	CLARK	7305-PM	RLY	N		174-013	N	Y	CA	*	NE-40008-84 REV CE
42FX/122J-2	CLARK	7305-PM	RLY	N		174-012	N	Y	CA	*	NE-40008-147 REV CE
42FX/122J-3	CLARK	7305-PM	RLY	N		174-014	N	Y	CA	*	NE-40008-148 REV CD
42FX/212J-2	CLARK	7305-PM	RLY	N		274-011	N	Y	CA	*	NE-40406-53 REV AM
42FX/212J-3	CLARK	7305-PM	RLY	N		274-013	N	Y	CA	*	NE-40406-54 REV AM
42FX/222J-2	CLARK	7305-PM	RLY	N		274-012	N	Y	CA	*	NE-40406-103 REV AN
42FX/222J-3	CLARK	7305-PM	RLY	N		274-014	N	Y	CA	*	NE-40406-104 REV AM
42SX/112J-2	CLARK	7305-PM	RLY	N		174-011	N	Y	CA	*	NE-40008-83 REV CD, NE-40009-136 REV BM
						CD-34073	N	Y	CA	*	NE-40009-136 REV BM
42SX/112J-3	CLARK	7305-PM	RLY	N		174-013	N	Y	CA	*	NE-40008-84 REV CE
						CD-34077	N	Y	CA	*	NE-40009-136 REV BM
42SX/122J-2	CLARK	7305-PM	RLY	N		174-012	N	Y	CA	*	NE-40008-147 REV CE
						CD-34075	N	Y	CA	*	NE-40009-137 REV BM
42SX/122J-3	CLARK	7305-PM	RLY	N		174-014	N	Y	CA	*	NE-40008-148 REV CD
						CD-34079	N	Y	CA	*	NE-40009-137 REV BM

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42SX/212J-2	CLARK	7305-PM	RLY	N		274-011 CD-34081	N N	Y Y	CA CA	* *	NE-40406-53 REV AM NE-40409-111 REV TV
42SX/212J-3	CLARK	7305-PM	RLY	N		274-013 CD-34085	N N	Y Y	CA CA	* *	NE-40406-54 REV AM NE-40409-111 REV TV
42SX/222J-2	CLARK	7305-PM	RLY	N		274-012 CD-34083	N N	Y Y	CA CA	* *	NE-40406-103 REV AM NE-40409-112 REV TV
42SX/222J-3	CLARK	7305-PM	RLY	N		274-014 CD-34087	N N	Y Y	CA CA	* *	NE-40406-104 REV AM NE-40409-112 REV TV
42SY/112J-2	CLARK	7305-PM	RLY	N		174-011	N	Y	CA	*	NE-40008-83 REV CD
42SY/112J-3	CLARK	7305-PM	RLY	N		174-013	N	Y	CA	*	NE-40008-84 REV CE
42SY/122J-2	CLARK	7305-PM	RLY	N		174-012	N	Y	CA	*	NE-40008-147 REV CE
42SY/122J-3	CLARK	7305-PM	RLY	N		174-014	N	Y	CA	*	NE-40008-148 REV CD
42SY/212J-2	CLARK	7305-PM	RLY	N		274-011	N	Y	CA	*	NE-40406-53 REV AM
42SY/212J-3	CLARK	7305-PM	RLY	N		274-013	N	Y	CA	*	NE-40406-54 REV AM
42SY/222J-2	CLARK	7305-PM	RLY	N		274-012	N	Y	CA	*	NE-40406-103 REV AM
42SY/222J-3	CLARK	7305-PM	RLY	N		274-014	N	Y	CA	*	NE-40406-104 REV AM
42X/111C-25	CLARK	PM	RLY	N		132-281	N	Y	CA	*	NE-40008-29 REV LL
42X/111J-1	CLARK	7305-PM	RLY	N		145-042	N	Y	CA	*	NE-40008-35 REV NN
42X/112G-5	CLARK	7305-PM	RLY	N		076-021	N	Y	CA	*	NE-40008-72 REV BS
42X/121C-25	CLARK	PM	RLY	N		252-281	N	Y	CA	*	NE-40008-97 REV LL
42X/121J-1	CLARK	7305-PM	RLY	N		145-041	N	Y	CA	*	NE-40008-100 REV BH
42X/122G-5	CLARK	7305-PM	RLY	N		076-022	N	Y	CA	*	NE-40008-137 REV AD
42X/152-57	STRUTHERS-DUNN	219XDXP	RLY	N		CV-39403 CV-39409	N N	Y Y	CA CA	* *	NE-40009-165 REV B, NE-40007-255 NE-40009-165 REV B, NE-40007-255
42X/211J-1	CLARK	7305-PM	RLY	N		245-042	N	Y	CA	*	NE-40406-20 REV AK

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42X/221J-1	CLARK	7305-PM	RLY	N		245-041	N	Y	CA	*	NE-40406-66 REV AH
42X/263-62	STRUTHERS-DUNN	219XDXP	RLY	N		CV-39413 CV-39414 CV-39421	N N N	Y Y Y	CA CA CA	* * *	NE-40409-124 REV B NE-40409-124 REV C NE-40409-124 REV B
42X1/152-57	STRUTHERS-DUNN	219XDXP	RLY	N		CV-39401 CV-39402 CV-39404 CV-39405 CV-39411	N N N N N	Y Y Y Y Y	CA CA CA CA CA	* * * * *	NE-40009-163 REV B NE-40009-168 REV C NE-40009-165 REV C NE-40009-168 REV C NE-40009-163 REV B
42X1/263-62	STRUTHERS-DUNN	219XDXP	RLY	N		CV-39415 CV-39416 CV-39423	N N N	Y Y Y	CA CA CA	* * *	NE-40409-127 REV B NE-40409-127 REV B NE-40409-127 REV B
42XH/112J-2	GE	*	RLY	N		174-011 CD-34073	N N	Y Y	CA CA	* *	NE-40008-83 REV CD NE-40009-136 REV BM
42XH/112J-3	GE	CR	RLY	N		174-013 CD-34077	N N	Y Y	CA CA	* *	NE-40008-84 REV CE NE-40009-136 REV BM
42XH/122J-2	GE	CR	RLY	N		174-012 CD-34075	N N	Y Y	CA CA	* *	NE-40009-147 REV CE NE-40009-137 REV BM
42XH/122J-3	GE	CR	RLY	N		174-014 CD-34079	N N	Y Y	CA CA	* *	NE-40008-148 REV CD NE-40009-137 REV BM
42XH/212J-2	GE	*	RLY	N		274-011 CD-34081	N N	Y Y	CA CA	* *	NE-40406-53 REV AM NE-40409-111 REV TV
42XH/212J-3	GE	CR	RLY	N		274-013 CD-34085	N N	Y Y	CA CA	* *	NE-40406-54 REV AN NE-40409-111 REV TV
42XH/222J-2	GE	CR	RLY	N		274-012 CD-34083	N N	Y Y	CA CA	* *	NE-40406-103 REV AN NE-40409-112 REV TV
42XH/222J-3	GE	CR	RLY	N		274-014 CD-34087	N N	Y Y	CA CA	* *	NE-40406-104 REV AM NE-40409-112 REV TV
431X/D1	AGASTAT	EGPD002	RLY	N	55410	034-011	Y	N	CR	Y	NE-40009-75 REV CW
431XX/D1	AGASTAT	EGPD002	RLY	N	55410	034-011	Y	N	CR	Y	NE-40009-75 REV CW
431XXX/D1	AGASTAT	EGPD002	RLY	N	55410	034-011	Y	N	CR	Y	NE-40009-75 REV CW, NE-40009-79 REV AD

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431XXXX/D1	WEST	NBFD-48S	RLY	N	55410	034-011	Y	Y	GERS	N	NE-40009-72 REV CY, NE-40009-75 REV CW
43LR/212J-2*	UNSPECIFIED	*	CS	N		274-011	N	Y	NV	*	NE-40406-53 REV AM
43LR/212J-3*	UNSPECIFIED	*	CS	N		274-013	N	Y	NV	*	NE-40406-54 REV AN
43LR/222J-2*	UNSPECIFIED	*	CS	N		274-012	N	Y	NV	*	NE-40406-103 REV AN
43LR/222J-3*	UNSPECIFIED	*	CS	N		274-014	N	Y	NV	*	NE-40406-104 REV AM
43XA/111C-25	CLARK	PM	RLY	N		132-281	N	Y	CA	*	NE-40008-29 REV LL
43XB/121C-25	CLARK	PM	RLY	N		232-281	N	Y	CA	*	NE-40008-97 REV LL
46/D1*	GE	INC77N	RLY	N		034-011	N	Y	CA	*	NE-40006-81 REV WW
46/D2*	GE	INC77N	RLY	N		034-021	N	Y	CA	*	NE-40006-73 REV XY
49X/111J-1	GE	CR	RLY	N		145-042	N	Y	CA	*	NE-40008-35 REV NN
49X/112J-2	GE	CR	RLY	N		174-011	N	Y	CA	*	NE-40008-83 REV CD
49X/112J-3	GE	CR	RLY	N		174-013	N	Y	CA	*	NE-40008-84 REV CE
49X/121J-1	GE	CR	RLY	N		145-041	N	Y	CA	*	NE-40008-100 REV BH
49X/122J-2	GE	CR	RLY	N		174-012	N	Y	CA	*	NE-40008-147 REV CE
49X/122J-3	GE	CR	RLY	N		174-014	N	Y	CA	*	NE-40008-148 REV CD
49X/211J-1	GE	CR	RLY	N		245-042	N	Y	CA	*	NE-40406-20 REV AK
49X/212J-2	GE	CR	RLY	N		274-011	N	Y	CA	*	NE-40406-53 REV AM
49X/212J-3	GE	CR	RLY	N		274-013	N	Y	CA	*	NE-40406-54 REV AN
49X/221J-1	GE	CR	RLY	N		245-041	N	Y	CA	*	NE-40406-66 REV AH
49X/222J-2	GE	CR	RLY	N		274-012	N	Y	CA	*	NE-40406-103 REV AN
49X/222J-3	GE	CR	RLY	N		274-014	N	Y	CA	*	NE-40406-104 REV AM
4A/D1	CLARK	PM/4U2	RLY	N	034-011	034-011	Y	Y	GERS	N	NE-40009-72 REV CY, NE-40009-74 REV CW
4A/D2	CLARK	PM/4U2	RLY	N	034-021	034-021	Y	Y	GERS	N	NE-40009-80 REV CZ



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4B/D1	CLARK	PM/4U2	RLY	N	034-011	034-011	Y	Y	GERS	N	NE-40009-72 REV CY, NE-40009-73 REV DA, NE-40009-74 REV CW
4B/D2	CLARK	PM/4U2	RLY	N	034-021	034-021	Y	Y	GERS	N	NE-40009-80 REV CZ, NE-40009-81 REV DA, NE-40009-82 REV CU
4X/112G-1	FURNAS ELEC	CR10	RLY	N	075-011	075-011	Y	N	CR	Y	NE-40006-86 REV CD
4X/122G-1	FURNAS ELEC	CR10	RLY	N	075-012	075-012	Y	N	CR	Y	NE-40008-150 REV CC
4X/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I EEE)	N	NE-40006-41 REV QQ, XH-2713-10-7 REV C
4X/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	034-021	Y	Y	OTHER(I EEE)	N	NE-40006-42 REV QQ, XH-2713-10-7 REV C
5/12CLP	ALLEN BRADLEY	700DC-M600	RLY	N	70300	145-392	Y	Y	GERS	N	NE-40009-70 REV CY, NE-40009-71 REV TT
5/22CLP	ALLEN BRADLEY	700DC-M600	RLY	N	70350	245-392	Y	Y	GERS	N	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
5/D1	AGASTAT	2412PD	RLY	N	034-011	034-011	Y	Y	GERS	N	NE-40009-73 REV DA, NE-40009-74 REV CW
5/D2	AGASTAT	2422PF	RLY	N	034-021	034-021	Y	Y	GERS	N	NE-40009-81 REV DA, NE-40009-82 REV CU
50-51/16-2A	GE	121AC77A	RLY	N	BUS 16	034-021 BKR 16-1U BKR 16-2 BKR 16-8	Y N N N	Y Y Y Y	GERS CA CA CA	N * * *	NE-40006-64 REV QR NE-40006-64 REV QR NE-40006-64 REV QR NE-40006-64 REV QR
50-51/16-2B	GE	121AC77A	RLY	N	BUS 16	034-021 BKR 16-10 BKR 16-2 BKR 16-8	Y N N N	Y Y Y Y	GERS CA CA CA	N * * *	NE-40006-64 REV QR NE-40006-64 REV QR NE-40006-64 REV QR NE-40006-64 REV QR
50-51/16-2C	GE	121AC77A	RLY	N	BUS 16	034-021 BKR 16-10 BKR 16-2 BKR 16-8	Y N N N	Y Y Y Y	GERS CA CA CA	N * * *	NE-40006-64 REV QR NE-40006-64 REV QR NE-40006-64 REV QR NE-40006-64 REV QR
50-51/16-3A	GE	121AC66K8A	RLY	N	BUS 16	145-331	Y	Y	GERS	N	NE-40006-59 REV AB

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50-51/16-3C	GE	121AC66K8A	RLY	N	BUS 16	145-331	Y	Y	GERS	N	NE-40006-59 REV AB
50-51/25-10A	ASEA BRN BOVERI	511M	RLY	N	BUS 25	245-331	Y	Y	OTHER(I N EEE)	N	NE-116785-23 REV A
50-51/25-10C	ASEA BRN BOVERI	511M	RLY	N	BUS 25	245-331	Y	Y	OTHER(I N EEE)	N	NE-116785-23 REV A
50A/112G-2			RLY	N		075-011	N	Y	CA	*	NE-40008-85 REV U, NE-40008-86 REV CD
50A/122G-2			RLY	N		075-012	N	Y	CA	*	NE-40008-149 REV V, NE-40008-150 REV CC
50B/112G-2			RLY	N		075-011	N	Y	CA	*	NE-40008-85 REV U, NE-40008-85 REV CD
50B/122G-2			RLY	N		075-012	N	Y	CA	*	NE-40008-149 REV V, NE-40008-150 REV CC
50C/112G-2			RLY	N		075-011	N	Y	CA	*	NE-40008-85 REV U, NE-40008-86 REV CD
50C/122G-2			RLY	N		075-012	N	Y	CA	*	NE-40008-149 REV V, NE-40008-50 REV CC
50G/15-2	WEST	SC(1876046)	RLY	Y	BUS 15	034-011	Y	N	CR	Y	NE-40006-81 REV WW
50G/15-8	WEST	SC	RLY	N		BKR 15-8	N	Y	CA	*	NE-40006-55 REV CD
50G/16-3	WEST	SC(1876046)	RLY	Y	BUS 16	145-331	Y	N	CR	Y	NE-40006-59 REV AB
50G/16-9	WEST	SC(1876046)	RLY	Y	BUS 16	034-021	Y	N	CR	Y	NE-40006-73 REV XY
50G/25-10	ASEA BRN BOVERI	50H	RLY	N	BUS 25	245-331	Y	Y	OTHER(I N EEE)	N	NE-116785-23 REV A
51/15-2A	GE	121AC51A10	RLY	N	BUS 15	034-011 BKR 15-3 BKR 15-7  BKR 15-8	Y N N  N	Y Y Y  Y	GERS CA CA  CA	N * *  *	NE-40006-50 REV ST NE-40006-50 REV ST NE-40006-50 REV ST, NE-40006-54 REV KL NE-40006-50 REV ST, NE-40006-55 REV CD
51/15-2B	GE	121AC51A10	RLY	N	BUS 15	034-011 BKR 15-3 BKR 15-7	Y N N	Y Y Y	GERS CA CA	N * *	NE-40006-50 REV ST NE-40006-50 REV ST NE-40006-50 REV ST,

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						BKR 15-8	N	Y	CA	*	NE-40006-54 REV KL NE-40006-50 REV ST, NE-40006-55 REV CD
51/15-2C	GE	121AC51A10	RLY	N	BUS 15	034-011 BKR 15-3 BKR 15-7  BKR 15-8	Y N N  N	Y Y Y  Y	GERS CA CA  CA	N  *  *	NE-40006-50 REV ST NE-40006-50 REV ST NE-40006-50 REV ST, NE-40006-54 REV KL NE-40006-50 REV ST, NE-40006-55 REV CD
51/15-3A	GE	121AC77A11	RLY	N	BUS 15	034-011 BKR 15-3 BKR 15-7  BKR 15-8	Y N N  N	Y Y Y  Y	GERS CA CA  CA	N  *  *	NE-40006-50 REV ST NE-40006-50 REV ST NE-40006-50 REV ST, NE-40006-54 REV KL NE-40006-50 REV ST, NE-40006-55 REV CD
51/15-3B	GE	121AC77A11	RLY	N	BUS 15	034-011 BKR 15-3 BKR 15-7  BKR 15-8	Y N N  N	Y Y Y  Y	GERS CA CA  CA	N  *  *	NE-40006-50 REV ST NE-40006-50 REV ST NE-40006-50 REV ST, NE-40006-54 REV KL NE-40006-50 REV ST, NE-40006-55 REV CD
51/15-3C	GE	121AC77A11	RLY	N	BUS 15	034-011 BKR 15-3 BKR 15-7  BKR 15-8	Y N N  N	Y Y Y  Y	GERS CA CA  CA	N  *  *	NE-40006-50 REV ST NE-40006-50 REV ST NE-40006-50 REV ST, NE-40006-54 REV KL NE-40006-50 REV ST, NE-40006-55 REV CD
51/15-7A	GE	121AC77A11	RLY	N	BUS 15	034-011 BKR 15-3 BKR 15-7  BKR 15-8	Y N N  N	Y Y Y  Y	GERS CA CA  CA	N  *  *	NE-40006-50 REV ST NE-40006-50 REV ST NE-40006-50 REV ST, NE-40006-54 REV KL NE-40006-50 REV ST, NE-40006-55 REV CD
51/15-7B	GE	121AC77A11	RLY	N	BUS 15	034-011 BKR 15-3 BKR 15-7  BKR 15-8	Y N N  N	Y Y Y  Y	GERS CA CA  CA	N  *  *	NE-40006-50 REV ST NE-40006-50 REV ST NE-40006-50 REV ST, NE-40006-54 REV KL NE-40006-50 REV ST, NE-40006-55 REV CD
51/15-7C	GE	121AC77A11	RLY	N	BUS 15	034-011	Y	Y	GERS	N	NE-40006-50 REV ST

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						BKR 15-3	N	Y	CA	*	NE-40006-50 REV ST
						BKR 15-7	N	Y	CA	*	NE-40006-50 REV ST,
						BKR 15-8	N	Y	CA	*	NE-40006-54 REV KL NE-40006-50 REV ST, NE-40006-55 REV CD
51/15-8A	GE	IAC	RLY	N		BKR 15-8	N	Y	CA	*	NE-40006-55 REV CD
51/15-8B	GE	IAC	RLY	N		BKR 15-8	N	Y	CA	*	NE-40006-55 REV CD
51/15-8C	GE	IAC	RLY	N		BKR 15-8	N	Y	CA	*	NE-40006-55 REV CD
51/16-10A	GE	IAC	RLY	N		BKR 16-10	N	Y	CA	*	NE-40006-66 REV RS
51/16-10B	GE	IAC	RLY	N		BKR 16-10	N	Y	CA	*	NE-40006-66 REV RS
51/16-10C	GE	IAC	RLY	N		BKR 16-10	N	Y	CA	*	NE-40006-66 REV RS
51/16-8A	GE	121AC77A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	NE-40006-64 REV QR
						BKR 16-10	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-2	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-8	N	Y	CA	*	NE-40006-64 REV QR
51/16-8B	GE	121AC77A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	NE-40006-64 REV QR
						BKR 16-10	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-2	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-8	N	Y	CA	*	NE-40006-64 REV QR
51/16-8C	GE	121AC77A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	NE-40006-64 REV QR
						BKR 16-10	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-2	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-8	N	Y	CA	*	NE-40006-64 REV QR
51/16-9A	GE	121AC51A	RLY	N	EJS 16	034-021	Y	Y	GERS	N	NE-40006-64 REV QR
						BKR 16-10	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-2	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-8	N	Y	CA	*	NE-40006-64 REV QR
51/16-9B	GE	121AC51A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	NE-40006-64 REV QR
						BKR 16-10	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-2	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-8	N	Y	CA	*	NE-40006-64 REV QR
51/16-9C	GE	121AC51A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	NE-40006-64 REV QR
						BKR 16-10	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-2	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-8	N	Y	CA	*	NE-40006-64 REV QR

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51G/15-3	GE	121AC53A3A	RLY	N	BUS 15	034-011	Y	Y	GERS	N	NE-40006-50 REV ST
						BKR 15-3	N	Y	CA	*	NE-40006-50 REV ST
						BKR 15-7	N	Y	CA	*	NE-40006-50 REV ST, NE-40006-54 REV KL
						BKR 15-8	N	Y	CA	*	NE-40006-50 REV ST, NE-40006-55 REV CD
51G/15-7	GE	121AC53A3A	RLY	N	BUS 15	034-011	Y	Y	GERS	N	NE-40006-50 REV ST
						BKR 15-3	N	Y	CA	*	NE-40006-50 REV ST
						BKR 15-7	N	Y	CA	*	NE-40006-50 REV ST, NE-40006-54 REV KL
						BKR 15-8	N	Y	CA	*	NE-40006-50 REV ST, NE-40006-55 REV CD
51G/16-10	GE	IAC	RLY	N		BKR 16-10	N	Y	CA	*	NE-40006-66 REV RS
51G/16-2	GE	121AC53A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	NE-40006-64 REV QR
						BKR 16-10	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-2	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-8	N	Y	CA	*	NE-40006-64 REV QR
51G/16-8	GE	121AC53A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	NE-40006-64 REV QR
						BKR 16-10	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-2	N	Y	CA	*	NE-40006-64 REV QR
						BKR 16-8	N	Y	CA	*	NE-40006-64 REV QR
51X/16-3	WEST	SG	RLY	N		145-331	N	Y	CA	*	NE-40006-59 REV AB
52C-CTX/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	BKR 15-7	Y	Y	OTHER(I N EEE)		NE-40006-54 REV KL, XH-2713-10-12 REV C
52C-CTX/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	GKR 16-8	Y	Y	OTHER(I N EEE)		NE-40006-64 REV QR, XH-2713-10-12 REV C
52C-CTX/B25 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)		NE-116785-29 REV B, XH-2713-10-12 REV C
						BKR 25-2	Y	Y	OTHER(I N EEE)		NE-116785-13 REV B, XH-2713-10-12 REV C
						BKR 25-5	Y	Y	OTHER(I N EEE)		NE-116785-16 REV B, XH-2713-10-12 REV C
52C-CTX/B26 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-13	Y	Y	OTHER(I N EEE)		NE-116786-26 REV B, XH-2713-10-12 REV C
						BKR 26-16	Y	Y	OTHER(I N EEE)		NE-116786-50 REV B, XH-2713-10-12 REV C
						BKR 26-2	Y	Y	OTHER(I N EEE)		NE-116786-15 REV B, XH-2713-10-12 REV C

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52C-DGX/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)		NE-40006-49 REV PQ, XH-2713-10-6 REV D
52C-DGX/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)		NE-116785-29 REV B, XH-2713-10-12 REV C
						BKR 25-2	Y	Y	OTHER(I N EEE)		NE-116785-13 REV B, XH-2713-10-12 REV C
						BKR 25-5	Y	Y	OTHER(I N EEE)		NE-116785-16 REV B, XH-2713-10-12 REV C
52C-DGX/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-13	Y	Y	OTHER(I N EEE)		NE-116786-26 REV B, XH-2713-10-12 REV C
						BKR 26-16	Y	Y	OTHER(I N EEE)		NE-116786-30 REV B, XH-2713-10-12 REV C
						BKR 26-2	Y	Y	OTHER(I N EEE)		NE-116786-15 REV B, XH-2713-10-12 REV C
52C-RYX/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	BKR 15-3	Y	Y	OTHER(I N EEE)	NE-40006-50 REV ST, XH-2713-10-12 REV C	
52C-RYX/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	BKR 16-2	Y	Y	OTHER(I N EEE)	NE-40006-58 REV KL, XH-2713-10-12 REV C	
52C-RYX/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)		NE-116785-29 REV B, XH-2713-10-12 REV C
						BKR 25-2	Y	Y	OTHER(I N EEE)		NE-116785-13 REV B, XH-2713-10-12 REV C
						BKR 25-5	Y	Y	OTHER(I N EEE)		NE-116785-16 REV B, XH-2713-10-12 REV C
52C-RYX/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-13	Y	Y	OTHER(I N EEE)		NE-116786 26 REV B, XH-2713-10-12 REV C
						BKR 26-16	Y	Y	OTHER(I N EEE)		NE-116786-30 REV B, XH-2713-10-12 REV C
						BKR 26-2	Y	Y	OTHER(I N EEE)		NE-116786-15 REV B, XH-2713-10-12 REV C
52LR-1X/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	2-5-331	Y	Y	OTHER(I N EEE)	NE-116785-22 REV A	
52LR-2X/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	BKR 112C	Y	Y	OTHER(I N EEE)	NE-40008-13.6 REV A, XH-2713-10-13 REV E	
52LR-2X/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	BKR 122C	Y	Y	OTHER(I N EEE)	NE-40008-87.11 REV A, XH-2713-10-13 REV E	
52LR-2X/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 211D	Y	Y	OTHER(I N EEE)	NE-40406-6 REV MW,	

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SEQ					SEQ	BKR 212C	Y	Y	EEE) OTHER(I N EEE)	XH-2713-10-13 REV E NE-40406-12.6 REV A
52LR-2X/B26 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B26 LOAD SEQ	BKR 221D BKR 222C	Y Y	Y Y	OTHER(I N EEE) OTHER(I N EEE)	NE-40406-55.3 REV A, XH-2713-10-13 REV E NE-40406-56.6 REV A, XH-2713-10-13 REV E
52P-4X/B15 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	174-011 174-013	Y Y	Y Y	OTHER(I N EEE) OTHER(I N EEE)	NE-40008-83 REV CD NE-40008-84 REV CE
52P-4X/B16 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	174-012 174-014	Y Y	Y Y	OTHER(I N EEE) OTHER(I N EEE)	NE-40008-147 REV CE NE-40008-148 REV CD, XH-2713-10-14 REV C
52P-4X/B25 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	274-011 274-013	Y Y	Y Y	OTHER(I N EEE) OTHER(I N EEE)	NE-40406-53 REV AM NE-40406-54 REV AM
52P-4X/B26 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B26 LOAD SEQ	274-012 274-014	Y Y	Y Y	OTHER(I N EEE) OTHER(I N EEE)	NE-40406-103 REV AM NE-40406-104 REV AM
52P-5X/B16 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	145-331	Y	Y	OTHER(I N EEE)	NE-40006-59 REV AB
52P-5X/B25 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	245-331	Y	Y	OTHER(I N EEE)	NE-116785-22 REV A
52P-6X/B15 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	BKR 112C	Y	Y	OTHER(I N EEE)	NE-40008-13.6 REV A, XH-2713-10-13 REV E
52P-6X/B16 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	BKR 122C	Y	Y	OTHER(I N EEE)	NE-40008-87.11 REV A, XH-2713-10-13 REV E
52P-6X/B25 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	BKR 211D BKR 212C	Y Y	Y Y	OTHER(I N EEE) OTHER(I N EEE)	NE-40406-6 REV MW, XH-2713-10-13 REV E NE-40406-12.6 REV A
52P-6X/B26 S	ASEA BRN BOVERI	RXMH2	RLY	N	B26 LOAD	BKR 221D	Y	Y	OTHER(I N	NE-40406-55.3 REV A,

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EQ					SEQ	BKR 222C	Y	Y	EEE) OTHER(I N EEE)		XH-2713-10-13 REV E NE-40406-56.6 REV A
52P-7X/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	045-591	Y	Y	OTHER(I N EEE)		NE-40008-76 REV CJ
52P-7X/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	045-592	Y	Y	OTHER(I N EEE)		NE-40008-139 REV CF
52P-7X/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	045-591	Y	Y	OTHER(I N EEE)		NE-40008-76 REV CJ
52P-7X/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	045-592	Y	Y	OTHER(I N EEE)		NE-40008-139 REV CF
52SX/25-10	ASEA BRN	BOVERI RXMS1	RLY	N		245-331 CV-31610 CV-31611	N N N	Y Y Y	CA * CA * CA *		NE-116785-23 REV A NE-40009-129.8 REV TU NE-40009-129.8 REV TU
52SY/11-3	CLARK	7304-PM	RLY	N		CV-31998	N	Y	CA *		NE-40009-97.2 REV DN
52SY/12-3	CLARK	7304-PM	RLY	N		145-331	N	Y	CA *		NE-40006-59 REV AB
52SY/21-3	CLARK	7304-PM	RLY	N		CV-31999	N	Y	CA *		NE-40409-81.1 REV EM
52SY/22-3	CLARK	7304-PM	RLY	N		245-331	N	Y	CA *		NE-116785-22 REV A
52SY/25-10	ASEA BRN	BOVERI RXMS1	RLY	N		245-331	N	Y	CA *		NE-116785-23 REV A
52T-DGX/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)		NE-40006-49 REV PQ, XH-2713-10-6 REV D
52T-DGX/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	034-021	Y	Y	OTHER(I N EEE)		NE-40006-65 REV MN
52T-DGX/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-2	Y	Y	OTHER(I N EEE)		NE-116785-13 REV B, XH-2713-10-12 REV C
52T-DGX/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-16	Y	Y	OTHER(I N EEE)		NE-116786-30 REV B, XH-2713-10-12 REV C
52T-OSX/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	BKR 15-3 BKR 15-7 BKR 15-8	Y Y Y	Y Y Y	OTHER(I N EEE) OTHER(I N EEE) OTHER(I N		NE-40006-50 REV ST, XH-2713-10-12 REV C NE-40006-54 REV KL, XH-2713-10-12 REV C NE-40006-55 REV CD,



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									EEE)	XH-2713-10-12 REV C
52T-OSX/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	BKR 16-10	Y	Y	OTHER(I N EEE)	NE-40006-66 REV RS, XH-2713-10-12 REV C
						BKR 16-2	Y	Y	OTHER(I N EEE)	NE-40006-58 REV KL, XH-2713-10-12 REV C
						BKR 16-8	Y	Y	OTHER(I N EEE)	NE-40006-64 REV QR, XH-2713-10-12 REV C
52T-OSX/B25 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)	NE-116785-29 REV B, XH-2713-10-12 REV C
						BKR 25-17	Y	Y	OTHER(I N EEE)	NE-116785-30 REV A, XH-2713-10-12 REV C
						BKR 25-5	Y	Y	OTHER(I N EEE)	NE-116785-16 REV B, XH-2713-10-12 REV C
52T-OSX/B26 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-1	Y	Y	OTHER(I N EEE)	NE-116786-13 REV A, XH-2713-10-12 REV C
						BKR 26-13	Y	Y	OTHER(I N EEE)	NE-116786-26 REV B, XH-2713-10-12 REV C
						BKR 26-2	Y	Y	OTHER(I N EEE)	NE-116786-15 REV B, XH-2713-10-12 REV C
52X-1/16-1	CLARK	7304-PM	RLY	N		145-331	N	Y	CA *	NE-40006-59 REV AB
52Y-1/16-1	CLARK	7304-PM	RLY	N		145-331	N	Y	CA *	NE-40006-59 REV AB
522/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)	NE-40006-49 REV PQ, XH-2713-10-12 REV B
						BKR 15-3	Y	Y	OTHER(I N EEE)	NE-40006-50 REV ST, XH-2713-10-12 REV C
						BKR 15-7	Y	Y	OTHER(I N EEE)	NE-40006-54 REV KL, XH-2713-10-12 REV C
522/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	034-021	Y	Y	OTHER(I N EEE)	NE-40006-65 REV MN, XH-2713-10-12 REV C
						BKR 16-2	Y	Y	OTHER(I N EEE)	NE-40006-58 REV KL, XH-2713-10-12 REV C
						BKR 16-8	Y	Y	OTHER(I N EEE)	NE-40006-64 REV QR, XH-2713-10-12 REV C
522/B25 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)	NE-116785-29 REV B, XH-2713-10-12 REV C
						BKR 25-2	Y	Y	OTHER(I N EEE)	NE-116785-13 REV B, XH-2713-10-12 REV C
						BKR 25-5	Y	Y	OTHER(I N EEE)	NE-116785-16 REV B, XH-2713-10-12 REV C

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522/B26 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-13 BKR 26-16 BKR 26-2	Y Y Y	Y Y Y	OTHER(I N EEE) OTHER(I N EEE) OTHER(I N EEE)	NE-116786-26 REV B, XH-2713-10-12 REV C NE-116786-30 REV B,XH-2713-10-12 REV C NE-116786-15 REV B
55011	CONSOL CONTROLS	21A	INST	N	55000 (ON 034-011)	034-011	Y	Y	NV N	NE-40009-74 REV CW
55012	ALLEN BRADLEY	836T-T252J	INST	N	55000 (ON 034-011)	034-011	Y	Y	NV N	NE-40009-73 REV DA
55101	CONSOL CONTROLS	21A	INST	N		034-011	N	Y	CA *	NE-40009-74 REV CW
55511	CONSOL CONTROLS	21A	INST	N	55500 (ON 034-021)	034-021	Y	Y	NV N	NE-40009-82 REV CU
55512	CONSOL CONTROLS	21A	INST	N	55500 (ON 034-021)	034-021	Y	Y	NV N	NE-40009-81 REV DA
55601	CONSOL CONTROLS	21A	INST	N		034-021	N	Y	CA *	NE-40009-82 REV CU
5730302	PENN CONTROLS	274BP10	INST	N		075-011	N	Y	CA *	NE-40008-86 REV CD
5730303	WHITE-RODGERS	1609-96	INST	N	57303	075-011	Y	N	CR Y	NE-40008-87 REV W
5730304	WHITE-RODGERS	1541-5	INST	N	57303	075-011	Y	N	CR Y	NE-40008-87 REV W
5730305	WHITE-RODGERS	11B06	INST	N	57303	075-011	Y	N	CR Y	NE-40008-87 REV W
5730311	WHITE-RODGERS	11B06	INST	N		075-011	N	Y	CA *	NE-40008-87 REV W
5730312	WHITE-RODGERS	11B06	INST	N		075-011	N	Y	CA *	NE-40008-87 REV W
5730314	MARSHALL	3DFM	INST	N		075-011	N	Y	CA *	NE-40008-86 REV CD
5730315	MARSHALL	3DFM	INST	N	57303	075-011	Y	N	CR Y	NE-40008-87 REV W
5730402	PENN CONTROLS	274BP10	INST	N		075-012	N	Y	CA *	NE-40008-150 REV CC
5730403	WHITE-RODGERS	1609-96	INST	N	57304	075-012	Y	N	CR Y	NE-40008-151 REV V
5730404	WHITE-RODGERS	1541-5	INST	N	57304	075-012	Y	N	CR Y	NE-40008-151 REV V
5730405	WHITE-RODGERS	11B06	INST	N	57304	075-012	Y	N	CR Y	NE-40008-151 REV V

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5730410	MARSHALL	3DFM	INST	N		075-012	N	Y	CA	*	NE-40008-150 REV CC
5730411	MARSHALL	3DFM	INST	N	57304	075-012	Y	N	CR	Y	NE-40008-151 REV V
5730414	WHITE-RODGERS	11806	INST	N		075-012	N	Y	CA	*	NE-40008-151 REV V
5730415	WHITE-RODGERS	11806	INST	N		075-012	N	Y	CA	*	NE-40008-151 REV V
59/D1*	GE	1AV51K	RLY	N		034-011	N	Y	CA	*	NE-40006-81 REV WW
59/D2*	GE	1AV51K	RLY	N		034-021	N	Y	CA	*	NE-40006-73 REV XY
5A/D1*	UNSPECIFIED	*	RLY	N	034-011	034-011	Y	Y	NV	N	NE-40009-74 REV CW, NE-40009-75 REV CW
5A/D2*	UNSPECIFIED	*	RLY	N	034-021	034-021	Y	Y	NV	N	NE-40009-82 REV CU, NE-40009-83 REV CS
5B/D1*	UNSPECIFIED	*	RLY	N	034-011	034-011	Y	Y	NV	N	NE-40009-73 REV DA, NE-40009-74 REV CW
5B/D2*	UNSPECIFIED	*	RLY	N	034-021	034-021	Y	Y	NV	N	NE-40009-81 REV DA, NE-40009-82 REV CU
62-1/31998	AGASTAT	E7024PB001	RLY	N	RC A1640-AFW RM	CV-31958	Y	Y	GERS	N	NE-40009-97.2 REV DN
62-1/31999	AGASTAT	E7024PB001	RLY	N	TC 2209 RLY RM	CV-31999	Y	Y	GERS	N	NE-40409-81.1 REV EM
62-2/31998	AGASTAT	E7012PC001	RLY	N	RC A1640-AFW RM	CV-31998	Y	Y	GERS	N	NE-40009-97.2 REV DN
62-2/31999	AGASTAT	E7012PC001	RLY	N	TC 2209 RLY RM	CV-31999	Y	Y	GERS	N	NE-40409-81.1 REV EM
62/111E-3	AGASTAT	T00	RLY	N		MV-32031	N	Y	CA	*	NE-40008-19 REV QS
62/111J-1	AGASTAT	7012AC	RLY	N	TERM BOX 1243	145-042	Y	Y	GERS	N	NE-40008-35 REV NN
62/112G-1	ADLAKE	TR2	RLY	N		075-011	N	Y	CA	*	NE-40008-86 REV CD
62/121J-1	AGASTAT	7012AC	RLY	N	TERM BOX 1244	145-041	Y	Y	GERS	N	NE-40008-100 REV BH

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62/122G-1	ADLAKE	TR2	RLY	N		075-012	N	Y	CA	*	NE-40008-150 REV CC
62/12CLP	ALLEN BRADLEY	700DC-NT300	RLY	N	70300	145-392	Y	Y	GERS	N	NE-40009-70 REV CY, NE-40009-71 REV TT
62/12CLP/341 3*			RLY	N		132-281	N	Y	CA	*	NE-40009-142 REV F
						132-291	N	Y	CA	u	NE-40008-29 REV LL, NE-40009-142 REV F
62/16-1	AGASTAT	7012PD	RLY	N	TC 1209 RLY RM	145-331	Y	Y	GERS	N	NE-40006-59 REV AB
62/211J-1	AGASTAT	7012AC	RLY	N	TERM BOX 2481	245-042	Y	Y	GERS	N	NE-40406-20 REV AK
62/221E-8	AGASTAT	T00	RLY	N	JB 2404	MV-32033	N	Y	CA	*	NE-40406-59 REV AH
62/221J-1	AGASTAT	7012AC	RLY	N	TERM BOX 2480	245-041	Y	Y	GERS	N	NE-40406-66 REV AH
62/22CLP	ALLEN BRADLEY	700DC-NT300	RLY	N	70350	245-392	Y	Y	GERS	N	NE-40009-71.1 REV CY, NE-40009-71.2 REV QG
62/22CLP/341 3*			RLY	N		232-281	N	Y	CA	*	NE-40009-142 REV F
						232-291	N	Y	CA	*	NE-40008-97 REV LL, NE-40009-142 REV F
62/25-10	AGASTAT	7012	RLY	N	BUS 25	245-331	Y	Y	OTHER(I N EEE)		NE-116785-23 REV A
62/34136*	UNSPECIFIED	*	RLY	N		CD-34136	N	Y	CA	*	NE-40009-142 REV F
62/34139*	UNSPECIFIED	*	RLY	N		CD-34139	N	Y	CA	*	NE-40009-142 REV F
62X/12CLP*			RLY	N		132-281	N	Y	CA	*	NE-40008-29 REV LL, NE-40009-142 REV F
						132-291	N	Y	CA	*	NE-40008-29 REV LL
62X/22CLP*			RLY	N		232-281	N	Y	CA	*	NE-40008-97 REV LL, NE-40009-142 REV F
						232-291	N	Y	CA	*	NE-40008-97 REV LL
62X/D1	CLARK	PM/4U2	RLY	N	034-011	034-011	Y	Y	GERS	N	NE-40009-74 REV CW
62X/D2	CLARK	PM/4U2	RLY	N	034-021	034-021	Y	Y	GERS	N	NE-40009-82 REV CU

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63X/112G-1	KLOCKNER-MOELLR	CR8	RLY	N	075-011	075-011	Y	N	CR	Y	NE-40008-87 REV W
63X/122G-1	KLOCKNER-MOELLR	CR8	RLY	N	075-012	075-012	Y	N	CR	Y	NE-40008-151 REV V
63X/16143	CLARK	PM/4U3	RLY	N	034-011	034-011	Y	Y	GERS	N	NE-40009-74 REV CW
63X/16144	CLARK	PM/4U3	RLY	N	034-021	034-021	Y	Y	GERS	N	NE-40009-82 REV CU
63X/55011	CLARK	PM	RLY	N	034-011	034-011	Y	Y	NV	N	NE-40009-74 REV CW
63X/55101	CLARK	PM	RLY	N		034-011	N	Y	CA	*	NE-40009-74 REV CW
63X/55511	CLARK	PM	RLY	N	034-021	034-021	Y	Y	NV	N	NE-40009-82 REV CU
63X/55601	CLARK	PM	RLY	N		034-021	N	Y	CA	*	NE-40009-82 REV CU
63Y/12CLP	ALLEN BRADLEY	N DC	RLY	N		145-392	N	Y	CA	*	NE-40009-71 REV TT
63Y/22CLP	ALLEN BRADLEY	N DC	RLY	N		245-392	N	Y	CA	*	NE-40009-71.2 REV QQ
63Z/12CLP	ALLEN BRADLEY	N DC	RLY	N		145-392	N	Y	CA	*	NE-40009-70 REV CY, NE-40009-71 REV TT
63Z/22CLP	ALLEN BRADLEY	N DC	RLY	N		245-392	N	Y	CA	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
67/D1	GE	GGP53B	RLY	N	55300	034-011	Y	Y	GERS	N	NE-40006-81 REV WW, NF-40017-1 REV M
67/D2	GE	GGP53B	RLY	N	55800	034-021	Y	Y	GERS	N	NE-40006-73 REV XY
67X/D1	GE	*	RLY	N	55300	034-011	Y	N	CR	Y	NE-40006-81 REV WW
67X/D2	GE	*	RLY	N	55800	034-021	Y	N	CR	Y	NE-40006-73 REV XY
69/152X13	CLARK	7304-PM	RLY	N		SV-37460 SV-37462	N N	Y Y	CA CA	* *	NE-40009-172 REV B NE-40009-172 REV B
69/16X8	CLARK	7304-PM	RLY	N		SV-37461 SV-37463	N N	Y Y	CA CA	* *	NE-40009-172 REV B NE-40009-172 REV B
69/251X15	CLARK	7304-PM	RLY	N		SV-37464 SV-37466	N N	Y Y	CA CA	* *	NE-40409-131 REV B NE-40409-131 REV B
69/261X11	CLARK	7304-PM	RLY	N		SV-37465 SV-37467	N N	Y Y	CA CA	* *	NE-40409-131 REV B NE-40409-131 REV B

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel Number	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Reference..... Drawing(s).....
7030037*	UNSPECIFIED	*	CS	N		145-392	N	Y	NV	*	NE-40009-71 REV TT
7035037*	UNSPECIFIED	*	CS	N		245-392	N	Y	NV	*	NE-40009-71.2 REV QQ
7038104	BARBER COLEMAN	T101-0-2	INST	N		158-011 258-012	N N	Y Y	CA CA	* *	NE-40008-32 REV RS NE-40008-32 REV RS
7038504	EAGLE SIGNAL	HA43A6	RLY	N		067-011 SV-33133	N N	Y Y	CA CA	* *	NE-40008-26 REV BT NE-40008-26 REV BT
7038505	BARTON	289	INST	N		067-011 SV-33133	N N	Y Y	CA CA	* *	NE-40008-26 REV BT NE-40008-26 REV BT
7038604	EAGLE SIGNAL	HA43A6	RLY	N		067-012 SV-33134	N N	Y Y	CA CA	* *	NE-40008-93 REV Y NE-40008-93 REV Y
7038605	BARTON	289	INST	N		067-012 SV-33134	N N	Y Y	CA CA	* *	NE-40008-93 REV Y NE-40008-93 REV Y
71X/16672	CLARK	PM	RLY	N		CV-31414 CV-31415	N N	Y Y	CA CA	* *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU
71X/16692	CLARK	PM	RLY	N		CV-31610 CV-31611	N N	Y Y	CA CA	* *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU
71X/16698	CLARK	PM	RLY	N		045-271	N	Y	CA	*	NE-40009-73 REV DA, NE-40013-29 REV B
71X/16699	CLARK	PM	RLY	N		045-273	N	Y	CA	*	NE-40009-81 REV DA, NE-40013-36 REV B
71X/16780	CLARK	PM	RLY	N		045-271	N	Y	CA	*	NE-40009-73 REV DA, NE-40013-29 REV B
71X/16781	CLARK	PM	RLY	N		045-273	N	Y	CA	*	NE-40009-81 REV DA, NE-40013-36 REV B
74-RPB23	UNSPECIFIED	*	RLY	N		CV-39414 CV-39417	N N	Y Y	CA CA	* *	NE-40409-124 REV C NE-40409-124 REV C
74/12CLP	ALLEN BRADLEY	N DC	RLY	N		145-392	N	Y	CA	*	NE-40009-70 REV CY, NE-40009-71 REV TT
74/22CLP	ALLEN BRADLEY	N DC	RLY	N		245-392	N	Y	CA	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
74/CLCS	CLARK	7305-PM	RLY	N		158-011	N	Y	CA	*	NE-40008-32 REV RS

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						258-012	N	Y	CA	*	NE-40008-32 REV RS
74/RPB11	STRUTHERS-DUNN	219XBXP	RLY	N		CV-39404	N	Y	CA	*	NE-40009-165 REV C
						CV-39406	N	Y	CA	*	NE-40009-165 REV C
74/RPB12	STRUTHERS-DUNN	219XBXP	RLY	N		CV-39401	N	Y	CA	*	NE-40009-163 REV B
						CV-39402	N	Y	CA	*	NE-40009-168 REV C
						CV-39405	N	Y	CA	*	NE-40009-168 REV C
						CV-39411	N	Y	CA	*	NE-40009-163 REV B
74/RPB24			RLY	N		CV-39416	N	Y	CA	*	NE-40409-127 REV B
						CV-39419	N	Y	CA	*	NE-40409-127 REV B
74D/D1	CLARK	PM	RLY	N		034-011	N	Y	CA	*	NE-40009-72 REV CY
74D/D2	CLARK	PM	RLY	N		034-021	N	Y	CA	*	NE-40009-80 REV CZ
74X/12CLP	ALLEN BRADLEY	N DC	RLY	N		145-392	N	Y	CA	*	NE-40009-71 REV TT
74X/22CLP	ALLEN BRADLEY	N DC	RLY	N		245-392	N	Y	CA	*	NE-40009-71.2 REV QQ
74Y/12CLP	ALLEN BRADLEY	N DC	RLY	N		145-392	N	Y	CA	*	NE-40009-71 REV TT
74Y/22CLP	ALLEN BRADLEY	N DC	RLY	N		245-392	N	Y	CA	*	NE-40009-71.2 REV QQ
83/16-1	CLARK	7304-PM	RLY	N		145-331	N	Y	CA	*	NE-40006-59 REV AB
83/25-10	ASEA BRN BOVERI	RXMS1	RLY	N		245-331	N	Y	CA	*	NE-116785-22 REV A
83/31998	AGASTAT	EGPD002	RLY	N		CV-31998	N	Y	CA	*	NE-40009-97.2 REV DN
83/31999	GE	CR120BD06141	RLY	N		CV-31999	N	Y	CA	*	NE-40409-81.1 REV EM
83X-27AS/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)		NE-40006-4 REV AD, XH-2173-10-8 REV C
83X-27AS/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)		NE-40006-10 REV J, XH-2173-10-8 REV C
83X-27AS/B25 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		NE-116785-11 REV A, XH-2173-10-8 REV C
83X-27AS/B26 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)		NE-116786-12 REV A, XH-2173-10-8 REV C
83X-27BR/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)		NE-40006-4 REV AD, XH-2173-10-8 REV C

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83X-27BR/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	NE-40006-10 REV J, XH-2173-10-8 REV C
83X-27BR/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	NE-116785-11 REV A, XH-2173-10-8 REV C
83X-27BR/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	NE-116786-12 REV A, XH-2173-10-8 REV C
83X-27CT/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	BKR 16-8	Y	Y	OTHER(I N EEE)	NE-40006-12 REV WX, XH-2713-10-5 REV E
83X-27CT/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	BKR 16-8	Y	Y	OTHER(I N EEE)	NE-40006-12 REV WX, XH-2713-10-5 REV E
83X-27CT/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-5	Y	Y	OTHER(I N EEE)	NE-116785-4 REV B, XH-2713-10-5 REV E
83X-27CT/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-13	Y	Y	OTHER(I N EEE)	NE-116786-9 REV B, XH-2713-10-5 REV E
83X-27RY/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	BKR 15-3	Y	Y	OTHER(I N EEE)	NE-40006-3 REV RT, XH-2713-10-5 REV E
83X-27RY/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	BKR 15-3	Y	Y	OTHER(I N EEE)	NE-40006-3 REV RT, XH-2713-10-5 REV E
83X-27RY/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)	NE-116785-10 REV A, XH-2713-10-5 REV E
83X-27RY/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-2	Y	Y	OTHER(I N EEE)	NE-116786-3 REV B, XH-2713-10-5 REV E
83X-27JV/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-4 REV F, XH-2713-10-5 REV E
83X-27JV/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-4 REV F, XH-2713-10-5 REV E
83X-27JV/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-4 REV F, 2713-10-5 REV E
83X-27JV/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	NE-40006-4 REV AD, XH-2713-10-4 REV F,



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										XH-2713-10-5 REV E
83X-52C/B15 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B15 LOAD SEQ	034-011 BKR 15-3 BKR 15-7	Y Y Y	Y Y Y	OTHER(I N EEE) OTHER(I N EEE) OTHER(I N EEE)	NE-40006-49 REV PQ, XH-2713-10-8 REV C NE-40006-50 REV ST, XH-2713-10-12 REV C NE-40006-54 REV KL, XH-2713-10-12 REV C
83X-52C/B16 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B16 LOAD SEQ	034-021 BKR 16-2 BKR 16-8	Y Y Y	Y Y Y	OTHER(I N EEE) OTHER(I N EEE) OTHER(I N EEE)	NE-40006-65 REV MN, XH-2713-10-8 REV C NE-40006-58 REV KL, XH-2713-10-12 REV C NE-40006-64 REV QR, XH-2713-10-12 REV C
83X-52C/B25 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16 BKR 25-2 BKR 25-5	Y Y Y	Y Y Y	OTHER(I N EEE) OTHER(I N EEE) OTHER(I N EEE)	NE-116785-29 REV B, XH-2713-10-12 REV C NE-116785-13 REV B, XH-2713-10-12 REV C NE-116785-16 REV B, XH-2713-10-12 REV C
83X-52C/B26 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B26 LOAD SEQ	83X-52C/B26 SEQ BKR 26-13 BKR 26-16	Y Y Y	Y Y Y	OTHER(I N EEE) OTHER(I N EEE) OTHER(I N EEE)	NE-116786-15 REV B, XH-2713-10-12 REV C NE-116786-26 REV B, XH-2713-10-12 REV C NE-116786-30 REV B, XH-2713-10-12 REV C
83X-52PX/B15 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B15 LOAD SEQ	174-011 174-013	Y Y	Y Y	OTHER(I N EEE) OTHER(I N EEE)	NE-40008-83 REV CD NE-40008-84 REV CE
83X-52PX/B16 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B16 LOAD SEQ	174-012 174-014	Y Y	Y Y	OTHER(I N EEE) OTHER(I N EEE)	NE-40008-147 REV CE NE-40008-148 REV CD, XH-2713-10-14 REV C
83X-52PX/B25 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B25 LOAD SEQ	274-011 274-013	Y Y	Y Y	OTHER(I N EEE) OTHER(I N EEE)	NE-40406-53 REV AM NE-40406-54 REV AN
83X-52PX/B26 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B26 LOAD SEQ	274-012	Y	Y	OTHER(I N EEE)	NE-40406-103 REV AN

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						274-014	Y	Y	OTHER(I N EEE)		NE-40406-104 REV AM
83X-52PY/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	045-591	Y	Y	OTHER(I N EEE)		NE-40008-76 REV CJ
83X-52PY/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	045-592	Y	Y	OTHER(I N EEE)		NE-40008-139 REV CF
83X-52PY/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	045-591	Y	Y	OTHER(I N EEE)		NE-40008-76 REV CJ
83X-52PY/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	045-592	Y	Y	OTHER(I N EEE)		NE-40008-139 REV CF
83X-52T/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)		NE-40006-49 REV PQ,
						BKR 15-3	Y	Y	OTHER(I N EEE)		XH-2713-10-8 REV C
						BKR 15-7	Y	Y	OTHER(I N EEE)		NE-40006-50 REV ST,
						BKR 15-8	Y	Y	OTHER(I N EEE)		XH-2713-10-12 REV C
									OTHER(I N EEE)		NE-40006-54 REV KL,
									OTHER(I N EEE)		XH-2713-10-12 REV C
									OTHER(I N EEE)		NE-40006-55 REV CD,
									OTHER(I N EEE)		XH-2713-10-12 REV C
83X-52T/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	034-021	Y	Y	OTHER(I N EEE)		NE-40006-65 REV MN,
						BKR 16-10	Y	Y	OTHER(I N EEE)		XH-2713-10-8 REV C
						BKR 16-2	Y	Y	OTHER(I N EEE)		NE-40006-66 REV RS,
						BKR 16-8	Y	Y	OTHER(I N EEE)		XH-2713-10-12 REV C
									OTHER(I N EEE)		NE-40006-58 REV KL,
									OTHER(I N EEE)		XH-2713-10-12 REV C
									OTHER(I N EEE)		NE-40006-64 REV QR,
									OTHER(I N EEE)		XH-2713-10-12 REV C
83X-52T/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)		NE-116785-29 REV B,
						BKR 25-17	Y	Y	OTHER(I N EEE)		XH-2713-10-12 REV C
						BKR 25-2	Y	Y	OTHER(I N EEE)		NE-116785-30 REV A,
						BKR 25-5	Y	Y	OTHER(I N EEE)		XH-2713-10-12 REV C
									OTHER(I N EEE)		NE-116785-13 REV
									OTHER(I N EEE)		B, XH-2713-10-12 REV C
									OTHER(I N EEE)		NE-116785-16 REV B,
									OTHER(I N EEE)		XH-2713-10-12 REV C
83X-52T/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-1	Y	Y	OTHER(I N EEE)		NE-116786-13 REV A,
						BKR 26-13	Y	Y	OTHER(I N EEE)		XH-2713-10-12 REV C
						BKR 26-16	Y	Y	OTHER(I N EEE)		NE-116786-26 REV B,
									OTHER(I N EEE)		XH-2713-10-12 REV C
									OTHER(I N EEE)		NE-116786-30 REV B,

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						BKR 26-2	Y	Y	EEE) OTHER(I N EEE)	XH-2713-10-12 REV C NE-116786-15 REV B, XH-2713-10-12 REV C
3X-52TT/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)	NE-40006-49 REV PQ, XH-2713-10-9 REV B
						GKR 15-3	Y	Y	OTHER(I N EEE)	NE-40006-50 REV ST, XH-2713-10-12 REV C
						BKR 15-7	Y	Y	OTHER(I N EEE)	NE-40006-54 REV KL, XH-2713-10-12 REV C
						BKR 15-8	Y	Y	OTHER(I N EEE)	NE-40006-55 REV CD, XH-2713-10-12 REV C
83X-52TT/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	034-021	Y	Y	OTHER(I N EEE)	NE-40006-65 REV MN
						BKR 16-10	Y	Y	OTHER(I N EEE)	NE-40006-66 REV RS, XH-2713-10-12 REV C
						BKR 16-2	Y	Y	OTHER(I N EEE)	NE-40006-58 REV KL, XH-2713-10-12 REV C
						BKR 16-8	Y	Y	OTHER(I N EEE)	NE-40006-64 REV QR, XH-2713-10-12 REV C
83X-52TT/B25 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)	NE-116785-29 REV B, XH-2713-10-12 REV C
						BKR 25-17	Y	Y	OTHER(I N EEE)	NE-116785-30 REV A, XH-2713-10-12 REV C
						BKR 25-2	Y	Y	OTHER(I N EEE)	NE-116785-13 REV B, XH-2713-10-12 REV E
						BKR 25-5	Y	Y	OTHER(I N EEE)	NE-116785-16 REV B, XH-2713-10-12 REV C
83X-52TT/B26 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-1	Y	Y	OTHER(I N EEE)	NE-116786-13 REV A, XH-2713-10-12 REV C
						BKR 26-13	Y	Y	OTHER(I N EEE)	NE-116786-26 REV B, XH-2713-10-12 REV C
						BKR 26-16	Y	Y	OTHER(I N EEE)	NE-116786-30 REV B, XH-2713-10-12 REV C
						BKR 26-2	Y	Y	OTHER(I N EEE)	NE-116786-15 REV B, XH-2713-10-12 REV C
83X-LR1Y/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)	NE-40006-41 REV QQ, XH-2713-10-7 REV C
83X-LR1Y/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	034-021	Y	Y	OTHER(I N EEE)	NE-40006-42 REV QQ, XH-2713-10-7 REV C
						145-331	Y	Y	OTHER(I N EEE)	NE-40006-59 REV AB

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83X-LR1Y/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	245-331	Y	Y	OTHER(I N EEE)		NE-116785-22 REV A
83X-LR2X/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	BKR 112C	Y	Y	OTHER(I N EEE)		NE-40008-13.6 REV A, XH-2713-10-13 REV E
83X-LR2X/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	BKR 122C	Y	Y	OTHER(I N EEE)		NE-40008-87.11 REV A, XH-2713-10-13 REV E
83X-LR2X/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 211D BKR 212C	Y Y	Y Y	OTHER(I N EEE) OTHER(I N EEE)		NE-40406-6 REV LW, XH-2713-10-13 REV E NE-40406-12.6 REV A
83X-LR2X/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 221D BKR 222C	Y Y	Y Y	OTHER(I N EEE) OTHER(I N EEE)		NE-40406-55.3 REV A, XH-2713-10-13 REV E NE-40406-56.6 REV A, XH-2713-10-13 REV E
83X-LV-AS/B1 5 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)		NE-40006-4 REV AD, XH-2173-10-8 REV C
83X-LV-AS/B1 6 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)		NE-40006-10 REV J, XH-2173-10-8 REV C
83X-LV-AS/B2 5 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		NE-116785-11 REV A, XH-2173-10-8 REV C
83X-LV-AS/B2 6 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)		NE-116786-12 REV A, XH-2173-10-8 REV C
83X-LV-BR/B1 5 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)		NE-40006-4 REV AD, XH-2173-10-8 REV C
83X-LV-BR/B1 6 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)		NE-40006-10 REV J, XH-2173-10-8 REV C
83X-LV-BR/B2 5 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		NE-116785-11 REV A, XH-2173-10-8 REV C
83X-LV-BR/B2 6 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)		NE-116786-12 REV A, XH-2173-10-8 REV C
86-1/1R			RLY	N		BKR 15-3 BKR 16-2	N N	Y Y	CA * CA *		NE-40006-50 REV ST, NE-40005-25 REV TU NE-40006-58 REV KL, NE-40005-25 REV TU

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86-1R1/2RY			RLY	N		BKR 25-16	N	Y	CA	*	NE-116785-29 REV B, NE-40405-17.6 REV AX
86-1R2/2RY			RLY	N		BKR 26-2	N	Y	CA	*	NE-116786-15 REV B, NE-40405-17.6 REV AX
86-2/1R			RLY	N		BKR 15-3 BKR 16-2	N N	Y Y	CA CA	*	NE-40006-50 REV ST, NE-40005-25 REV TU NE-40006-58 REV KL, NE-40005-25 REV TU
86/112C	ASEA BRN BOVERI	RXMS1	RLY	N	AUX RELAY CAB 1203	BKR 112C	Y	N	CR	Y	NE-40008-13.6 REV A
86/122C	ASEA BRN BOVERI	RXMS1	RLY	N	AUX RELAY CAB 1203	BKR 122C	Y	N	CR	Y	NE-40008-87.11
86/12AFP	WEST	MG-6	RLY	N	BUS 16	145-331	Y	Y	GERS	N	NE-40006-59 REV AB
86/1626BT	ELECTROSWITCH	LOR SERIES 24	RLY	N		BKR 16-10	N	Y	CA	*	NE-40006-66 REV RS
86/181	CLARK	7304-PM	RLY	N	AUX RELAY CAB 1203	BKR 122C	N	Y	CA	*	NE-40008-17 REV BE
86/212C	ASEA BRN BOVERI	RXMS1	RLY	N	B25 AUX RELAY CAB	BKR 212C	Y	Y	OTHER(I N EEE)		NE-40406-12.6 REV A
86/21AFP	ASEA BRN BOVERI	RXMS1	RLY	N	BUS 25	245-331	Y	Y	OTHER(I N EEE)		NE-116785-23 REV A
86/222C	ASEA BRN BOVERI	RXMS1	RLY	N	B26 AUX RELAY CAB	BKR 222C	Y	Y	OTHER(I N EEE)		NE-40406-56.6 REV A
86/271	CLARK	7304-PM	RLY	N		BKR 222C	N	Y	CA	*	NE-40406-14 REV UU
86/B15	GE	12HEA61(VDC)	RLY	N	BUS 15	034-011 BKR 15-3 BKR 15-7 BKR 15-8	Y N N N	Y Y Y Y	GERS CA CA CA	N * * *	NE-40006-49 REV PQ NE-40006-50 REV ST NE-40006-50 REV ST, NE-40006-54 REV KL NE-40006-50 REV ST, NE-40006-55 REV CD
86/B1525BT			RLY	N		BKR 15-8	N	Y	CA	*	NE-40006-55 REV CD
86/B15BT	GE	MG-6	RLY	N		BKR 15-8 BKR 25-17	N N	Y Y	CA CA	* *	NE-40006-55 REV CD NE-116785-30 REV A

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86/B16	GE	12HEA61(VDC)	RLY	N	BUS 16	034-021	Y	Y	GERS	N	NE-40006-65 REV MN
						BKR 16-10	N	Y	CA	*	NE-40006-66 REV RS
						BKR 16-2	N	Y	CA	*	NE-40006-58 REV KL
						BKR 16-8	N	Y	CA	*	NE-40006-64 REV QR
86/B16BT	GE	MG-6	RLY	N		BKR 16-10	N	Y	CA	*	NE-40006-66 REV RS
						BKR 26-1	N	Y	CA	*	NE-116786-13 REV A
86/D1	GE	12HEA63C	RLY	N	55300	034-011	Y	N	CR	Y	NE-40006-49 REV PQ
86/D2	GE	12HEA63C	RLY	N	55800	034-021	Y	N	CR	Y	NE-40006-73 REV XY, NE-40009-80 REV CZ
86X/222C	ASEA BRN BOVERI	RXMS1	RLY	N		BKR 222C	N	Y	CA	*	NE-40406-56.6 REV A
86X/25-10	ASEA BRN BOVERI	RXMS1	RLY	N		245-331	N	Y	CA	*	NE-116785-23 REV A
87/D1*	UNSPECIFIED	*	RLY	N		034-011	N	Y	NV	*	NE-40006-81 REV WJ, NF-40017-1 REV M
87/D2*	UNSPECIFIED	*	RLY	N		034-021	N	Y	NV	*	NE-40006-73 REV XY
BKR 111C-10	GE	THEF	CONT	N		067-011	N	Y	CA	*	NE-40008-26 REV BT
BKR 111C-21	GE	THEF	CONT	N		158-011	N	Y	CA	*	NE-40008-30 REV Q, NE-40008-31 REV Y
BKR 111C-23	GE	THED 136030	CONT	N		132-291	N	Y	CA	*	NE-40008-29 REV LL
BKR 111C-25	GE	THED	CONT	N		132-281	N	Y	CA	*	NE-40008-29 REV LL
BKR 111C-8	GE	THEF 136015/CR100	CONT	N	MCC 1AB1	MV-32036	Y	Y	GERS	N	NE-40008-25 REV BR
BKR 111C-9	GE	THEF/CR100	CONT	N	MCC 1AB1	MV-32034	Y	Y	GERS	N	NE-40008-25 REV BQ
BKR 111E-1	GE	THEF 136015	CONT	N		MV-32025	N	Y	CA	*	NE-40008-22 REV BV
BKR 111E-17	GE	THEF	CONT	N		MV-32238	N	Y	CA	*	NE-40008-21 REV BL
BKR 111E-18	GE	THED 136015	CONT	N		MV-32239	N	Y	CA	*	NE-40008-21 REV BL
BKR 111E-3	GE	THEF 136015/CR100	CONT	N	MCC 1A1	MV-32031	Y	Y	GERS	N	NE-40008-19 REV QS
BKR 111E-4	GE	THEF 136015	CONT	N		MV-32333	N	Y	CA	*	NE-40008-22 REV BW

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BKR 111E-5	GE	THEF/CR100	CONT	N	MCC 1A1	MV-32371	Y	Y	GERS	N	NE-40008-23 REV W
BKR 111J-1	GE	TFK 236F000/CR100	CONT	N	MCC 1K1	145-042	Y	Y	GERS	N	NE-40008-35 REV NN
BKR 111J-18	GE	THED/CR100	CONT	N	MCC 1K1	MV-32404	Y	Y	GERS	N	NE-40008-44.1 REV C
BKR 111J-2	GE	THED	CONT	N		MV-32060	N	Y	CA	*	NE-40008-36 REV BL
BKR 111J-23	GE	THED 136030/CR100	CONT	N	MCC 1K1	MV-32144	Y	Y	GERS	N	NE-40008-47 REV BQ
BKR 111J-24	GE	THEF/CR100	CONT	N	MCC 1K1	MV-32145	Y	Y	GERS	N	NE-40008-42 REV BR
BKR 111J-28	GE	THEF 136030/CR100	CONT	N	MCC 1K1	MV-32332	Y	Y	GERS	N	NE-40008-45 REV BR
BKR 111J-29	GE	THEF/CR100	CONT	N	MCC 1K1	MV-32322	Y	Y	GERS	N	NE-40008-43 REV BP
BKR 111J-3	GE	THEF 136030	CONT	N		MV-32061	N	Y	CA	*	NE-40008-36 REV BL
BKR 111K-32	GE	THEF 136050	CONT	N		032-041	N	Y	CA	*	NE-40008-78 REV AD, NE-40009-72 REV CY
BKR 111K-33	GE	THEF 136050	CONT	N		032-011	N	Y	CA	*	NE-40008-79 REV AC, NE-40009-72 REV CY
BKR 112E-16	GE	THED	CONT	N		MV-32045	N	Y	CA	*	NE-40008-50 REV BR
BKR 112E-2	GE	THEF 136015	CONT	N		MV-32133	N	Y	CA	*	NE-40008-55 REV BQ
BKR 112E-3	GE	THEF 136015/CR100	CONT	N	MCC 1L1	MV-32377	Y	Y	GERS	N	NE-40008-51 REV BS
BKR 112E-40	GE	THEF 136030/CR100	CONT	N	MCC 1L1	MV-32400	Y	Y	GERS	N	NE-40008-59.1 REV C
BKR 112E-41	GE	THEF/CR100	CONT	N	MCC 1L1	MV-32402	Y	Y	GERS	N	NE-40008-59.1 REV C
BKR 112E-5	GE	THEF 136015/CR100	CONT	N	MCC 1L1	MV-32378	Y	Y	GERS	N	NE-40008-50 REV BQ
BKR 112E-6	GE	THED 136030/CR100	CONT	N	MCC 1L1	MV-32166	Y	Y	GERS	N	NE-40008-51 REV BS
BKR 112G-12	WEST	HFB	CONT	N		045-591	N	Y	CA	*	NE-40008-76 REV CF

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BKR 112G-2			CONT	N		075-011	N	Y	CA	*	NE-40008-85 REV U, NE-40008-86 REV CD
BKR 112G-3			CONT	N		075-011	N	Y	CA	*	NE-40008-85 REV U, NE-40008-86 REV CD
BKR 112G-5	WEST	HFB	CONT	N		076-021	N	Y	CA	*	NE-40008-72 REV BS
BKR 112G-6	WEST	HFB	CONT	N	MCC 1T1	MV-32016	Y	N	CR	Y	NE-40008-67 REV BX
BKR 112J-2	GE	TFK	CONT	N		174-011	N	Y	CA	*	NE-40008-83 REV CD
BKR 112J-3	GE	TFK 236F000	CONT	N		174-013	N	Y	CA	*	NE-40008-84 REV CE
BKR 112L-24	GE	THEF 136030	CONT	N		MV-32139	N	Y	CA	*	NE-40008-66 REV BP
BKR 112L-27	GE	THEF/CR100	CONT	N	MCC 1LA1	MV-32132	Y	Y	GERS	N	NE-40008-66 REV BP
BKR 112L-31	GE	THEF 136015/CR100	CONT	N	MCC 1LA1	MV-32138	Y	Y	GERS	N	NE-40008-68 REV BM
BKR 112L-34	GE	THEF 136030/CR100	CONT	N	MCC 1LA1	MV-32242	Y	Y	GERS	N	NE-40008-67 REV BX
BKR 121C-11	GE	THEF 136015/CR100	CONT	N	MCC 1AB2	MV-32035	Y	Y	GERS	N	NE-40008-94 REV BQ
BKR 121C-12	GE	THEF 136015/CR100	CONT	N	MCC 1AB2	MV-32037	Y	Y	GERS	N	NE-40008-94 REV BQ
BKR 121C-22	GE	THEF 136015	CONT	N		258-012	N	Y	CA	*	NE-40008-95 REV GG, NE-40008-96 REV RS
BKR 121C-23	GE	THED 136030	CONT	N		232-291	N	Y	CA	*	NE-40008-97 REV LL
BKR 121C-25	GE	THED 136040	CONT	N		232-281	N	Y	CA	*	NE-40008-97 REV LL
BKR 121C-9	GE	THEF	CONT	N		067-012	N	Y	CA	*	NE-40008-93 REV Y
BKR 121E-17	GE	THED 136015	CONT	N		MV-32381	N	Y	CA	*	NE-40008-90 REV BP
BKR 121E-18	GE	THED 136015	CONT	N		MV-32382	N	Y	CA	*	NE-40008-90 REV BP
BKR 121E-7	GE	THEF	CONT	N		MV-32027	N	Y	CA	*	NE-40008-89 REV BU
BKR 121E-8	GE	THEF 136015	CONT	N		MV-32335	N	Y	CA	*	NE-40008-89 REV BU



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BKR 121J-1	GE	TFK 236F000/CR100	CONT	N	MCC 1K2	145-041	Y	Y	GERS	N	NE-40008-100 REV BH
BKR 121J-6	GE	THEF 136015/CR100	CONT	N	MCC 1K2	MV-32146	Y	Y	GERS	N	NE-40008-104 REV BS
BKR 121J-7	GE	THED 136030/CR100	CONT	N	MCC 1K2	MV-32159	Y	Y	GERS	N	NE-40008-102 REV BQ
BKR 121K-38	GE	THEF 136050	CONT	N		032-042	N	Y	CA	*	NE-40008-142 REV AD, NE-40009-80 REV CY
BKR 121K-39	GE	THED	CONT	N		032-012	N	Y	CA	*	NE-40008-143 REV AC, NE-40009-80 REV CY
BKR 122E-19	GE	THED 136030	CONT	N		MV-32142	N	Y	CA	*	NE-40008-125 REV BQ
BKR 122E-2	GE	THEF 136015/CR100	OP	N	MCC 1L2	MV-32379	Y	Y	GERS	N	NE-40008-121 REV BR
BKR 122E-3	GE	THEF 136015	CONT	N		MV-32136	N	Y	CA	*	NE-40008-117 REV BP, NF-40037 REV X
BKR 122E-5	GE	THED/CR100	CONT	N	MCC 1L2	MV-32380	Y	Y	GERS	N	NE-40008-116 REV BP
BKR 122E-7	GE	THED/CR100	CONT	N	MCC 1L2	MV-32199	Y	Y	GERS	N	NE-40008-115 REV BR
BKR 122G-12	WEST	HFB	CONT	N		045-592	N	Y	CA	*	NE-40008-139 REV CF
BKR 122G-2			CONT	N		075-012	N	Y	CA	*	NE-40008-149 REV V, NE-40008-150 REV CC
BKR 122G-3			CONT	N		075-012	N	Y	CA	*	NE-40008-149 REV V, NE-40008-150 REV CC
BKR 122G-5	WEST	HFB	CONT	N		076-022	N	Y	CA	*	NE-40008-137 REV AD
BKR 122G-6	WEST	HFB	CONT	N	MCC 1I2	MV-32017	Y	N	CR	Y	NE-40008-130 REV BX
BKR 122J-2	GE	TFK 236F000	CONT	N		174-012	N	Y	CA	*	NE-40008-147 REV CE
BKR 122J-3	GE	TFK	CONT	N		174-014	N	Y	CA	*	NE-40008-148 REV CD
BKR 122L-26	GE	THEF 136015/CR100	CONT	N	MCC 1LA2	MV-32135	Y	Y	GERS	N	NE-40008-129 REV CD
BKR 122L-29	GE	THEF 136015	CONT	N		MV-32047	N	Y	CA	*	NE-40008-131 REV BS

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BKR 122L-30	GE	THEF 136015/CR100	CONT	N	MCC 1LA2	MV-32141	Y	Y	GERS	N	NE-40008-132 REV BN
BKR 122L-34	GE	THED/CR100	CONT	N	MCC 1LA2	MV-32243	Y	Y	GERS	N	NE-40008-130 REV BX
BKR 14-10			CS	N		132-281 232-281	N N	Y Y	NV NV	* *	NE-40008-29 REV LL NE-40008-29 REV LL
BKR 16-3	ITE	5HK250	CS	N		145-331 174-051	N N	Y Y	NV NV	* *	NE-40006-59 REV AB NE-40013-27 REV C
BKR 211E-1	GE	THED 136015	CONT	N		MV-32026	N	Y	CA	*	NE-40406-16 REV AE
BKR 211E-2	GE	THED	CONT	N		MV-32383	N	Y	CA	*	NE-40406-58 REV AD
BKR 211E-4	GE	THED	CONT	N		MV-32384	N	Y	CA	*	NE-40406-58 REV AD
BKR 211J-1	GE	TFK/CR100	CONT	N	MCC 2K1	245-042	Y	Y	GERS	N	NE-40406-20 REV AK
BKR 211J-18	GE	THED/CR100	CONT	N	MCC 2K1	MV-32410	Y	Y	GERS	N	NE-40406-29.1 REV B
BKR 211J-2	GE	THED	CONT	N		MV-32062	N	Y	CA	*	NE-40406-21 REV TT
BKR 211J-24	GE	THED/CR100	CONT	N	MCC 2K1	MV-32160	Y	Y	GERS	N	NE-40406-27 REV AB
BKR 211J-3	GE	THED	CONT	N		MV-32063	N	Y	CA	*	NE-40406-21 REV TT
BKR 212E-16	GE	THED	CONT	N		MV-32048	N	Y	CA	*	NE-40406-31 REV AG
BKR 212E-2	GE	THED 136015	CONT	N		MV-32148	N	Y	CA	*	NE-40406-36 REV AG
BKR 212E-3	GE	THED/CR100	CONT	N	MCC 2L1	MV-32386	Y	Y	GERS	N	NE-40406-32 REV AG
BKR 212E-40	GE	THED/CR100	CONT	N	MCC 2L1	MV-32408	Y	Y	GERS	N	NE-40406-38.1 REV B
BKR 212E-41	GE	THED 136030/CR100	CONT	N	MCC 2L1	MV-32406	Y	Y	GERS	N	NE-40406-38.1 REV B
BKR 212E-5	GE	THED 136015/CR100	CONT	N	MCC 2L1	MV-32194	Y	Y	CR	N	NE-40406-32 REV AG
BKR 212E-6	GE	THED/CR100	CONT	N	MCC 2L1	MV-32388	Y	Y	GERS	N	NE-40406-31 REV AG
BKR 212G-3	WEST	HFB	CONT	N	MCC 1T1	MV-32019	Y	N	CR	Y	NE-40406-45 REV AJ
BKR 212J-2	GE	TFK 236F150	CONT	N		274-011	N	Y	CA	*	NE-40406-53 REV AM

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BKR 212J-3	GE	TFK 236F150	CONT	N		274-013	N	Y	CA	*	NE-40406-54 REV AN
BKR 212L-27	GE	THED/CR100	CONT	N	MCC 2LA1	MV-32147	Y	Y	GERS	N	NE-40406-44 REV AE
BKR 212L-29	GE	THED	CONT	N		MV-32154	N	Y	CA	*	NE-40406-44 REV AE
BKR 212L-31	GE	THED/CR100	CONT	N	MCC 2LA1	MV-32153	Y	Y	GERS	N	NE-40406-46 REV AD
BKR 212L-34	GE	THED/CR100	CONT	N	MCC 2LA1	MV-32248	Y	Y	GERS	N	NE-40406-45 REV AJ
BKR 221B-35	GE	THED 136015/CR100	CONT	N	MCC 2KA2	MV-32329	Y	Y	CR	N	NE-40406-78 REV AB
BKR 221E-10	GE	THED 136015/CR100	CONT	N	MCC 2A2	MV-32372	Y	Y	GERS	N	NE-40406-60 REV E
BKR 221E-11	GE	THED	CONT	N		MV-32246	N	Y	CA	*	NE-40406-17 REV AB
BKR 221E-12	GE	THED	CONT	N		MV-32247	N	Y	CA	*	NE-40406-17 REV AB
BKR 221E-6	GE	THED 136015	CONT	N		MV-32030	N	Y	CA	*	NE-40406-57 REV AF
BKR 221E-8	GE	THED/CR100	CONT	N	MCC 2A2	MV-32033	Y	Y	GERS	N	NE-40406-59 REV AH
BKR 221J-1	GE	TFK 236F000/CR100	CONT	N	MCC 2K2	245-041	Y	Y	GERS	N	NE-40406-60 REV AH
BKR 221J-3	GE	THED 136015/CR100	CONT	N	MCC 2K2	MV-32334	Y	Y	GERS	N	NE-40406-68 REV W
BKR 221J-6	GE	THED/CR100	CONT	N	MCC 2K2	MV-32161	Y	Y	GERS	N	NE-40406-70 REV AB
BKR 222E-15	GE	THED/CR100	CONT	N	MCC 2L2	MV-32210	Y	Y	GERS	N	NE-40406-80 REV L
BKR 222E-2	GE	THED 136015/CR100	CONT	N	MCC 2L2	MV-32387	Y	Y	GERS	N	NE-40406-85 REV AF
BKR 222E-3	GE	THED 136015	CONT	N		MV-32151	N	Y	CA	*	NE-40406-82 REV AE
BKR 222E-7	GE	THED 136015/CR100	CONT	N	MCC 2L2	MV-32389	Y	Y	GERS	N	NE-40406-81 REV AD
BKR 222G-3	WEST	HFB	CONT	N	MCC 1T2	MV-32020	Y	N	CR	Y	NE-40406-94 REV AJ
BKR 222J-2	GE	TFK 236F000	CONT	N		274-012	N	Y	CA	*	NE-40406-103 REV AN
BKR 222J-3	GE	TFK 236F150	CONT	N		274-014	N	Y	CA	*	NE-40406-104 REV AN

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Reference..... Drawing(s).....
BKR 222L-26	GE	THED 136015/CR100	CONT	N	MCC 2LA2	MV-32150	Y	Y	GERS N	NE-40406-93 REV AN
BKR 222L-29	GE	THED 136015	CONT	N		MV-32157	N	Y	CA *	NE-40406-95 REV AE
BKR 222L-30	GE	THED 136015/CR100	CONT	N	MCC 2LA2	MV-32156	Y	Y	GERS N	NE-40406-96 REV AC
BKR 222L-34	GE	THED 136015	CONT	N		MV-32050	N	Y	CA *	NE-40406-95 REV AE
BKR 222L-45	GE	THED/CR100	CONT	N	MCC 2LA2	MV-32249	Y	Y	GERS N	NE-40406-94 REV AJ
BKR 25-10	ASEA BRN BOVERI	5HK350	CS	N		245-331 274-051	N N	Y Y	NV NV *	NE-116785-23 REV A NE-40013-22 REV M
C1/31652	CLARK	7305-PM	RLY	N		158-011	N	Y	CA *	NE-40008-31 REV Y
C4/31655	CLARK	7305-PM	RLY	N		258-012	N	Y	CA *	NE-40008-96 REV RS
C5/CLCS	CLARK	7305-PM	RLY	N		158-011 258-012	N N	Y Y	CA CA *	NE-40008-32 REV RS NE-40008-32 REV RS
CA1/MS	CLARK	7304-PM	RLY	N		CV-31098	N	Y	CA *	NE-40009-96 REV CZ
CA2/MS	CLARK	7304-PM	RLY	N		CV-31099	N	Y	CA *	NE-40009-97 REV CZ
CB1/MS	CLARK	7304-PM	RLY	N		CV-31098	N	Y	CA *	NE-40009-96 REV CZ
CB2/MS	CLARK	7304-PM	RLY	N		CV-31099	N	Y	CA *	NE-40009-97 REV CZ
CR-1/D1	CLARK	PM	RLY	N		034-011	N	Y	CA *	NE-40009-72 REV CY
CR-1/D2	CLARK	PM	RLY	N		034-021	N	Y	CA *	NE-40009-80 REV CZ
CR/112G-12			RLY	N		045-591	N	Y	CA *	NE-40008-76 REV CJ
CR/122G-12*	UNSPECIFIED	*	RLY	N		045-592	N	Y	CA *	NE-40008-139 REV CF
CS-19044			CS	N		132-281 232-281	N N	Y Y	NV NV *	NE-40008-29 REV LL NE-40008-29 REV LL
CS-19056	SQ D	9001-KS	CS	N		132-291	N	Y	NV *	NE-40008-29 REV LL
CS-19058	SQ D	9001-KS	CS	N		132-281	N	Y	NV *	NE-40008-29 REV LL
CS-19059	UNSPECIFIED	*	CS	N		232-281	N	Y	NV *	NE-40008-97 REV LL

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CS-19061	SQ D	9001-KS	CS	N		232-291	N	Y	NV *	NE-40008-97 REV LL
CS-19069	WEST	OT2	CS	N		045-271	N	Y	NV *	NE-40013-29 REV B
CS-19071	WEST	OT2	CS	N		045-273	N	Y	NV *	NE-40013-36 REV B
CS-19077	WEST	W-2	CS	N		045-301	N	Y	NV *	NE-40013-43 REV K
CS-19078	WEST	OT2	CS	N		045-301	N	Y	NV *	NE-40013-43 REV K
CS-19079	WEST	W-2	CS	N		045-302	N	Y	NV *	NE-40013-46 REV H
CS-19080	WEST	OT2	CS	N		045-302	N	Y	NV *	NE-40013-46 REV H
CS-19121	WEST	OT2	CS	N		045-301	N	Y	NV *	NE-40013-43 REV K
CS-19122	WEST	OT2	CS	N		045-302	N	Y	NV *	NE-40013-46 REV H
CS-19125	WEST	OT2V	CS	N		074-033	N	Y	NV *	NE-40013-37 REV C
CS-19126	WEST	OT2V	CS	N		074-034	N	Y	NV *	NE-40013-37 REV C
CS-19128	WEST	OT2V	CS	N		074-031	N	Y	NV *	NE-40013-30 REV C
CS-19129	WEST	OT2V	CS	N		074-032	N	Y	NV *	NE-40013-30 REV C
CS-19328	WEST	W2-505A659601	CS	N		BKR 122C	N	Y	NV *	NE-40008-17 REV BE
CS-19329	WEST	W2-505A659601	CS	N		BKR 222C	N	Y	NV *	NE-40406-14 REV UJ
CS-19464	WEST	OT2B2	CS	N		CV-31226	N	Y	NV *	NE-40009-101 REV CY
CS-19465	WEST	OT2B2	CS	N		CV-31255	N	Y	NV *	NE-40009-105 REV CW
CS-19466	WEST	OT2B2	CS	N		CV-31230	N	Y	NV *	NE-40409-85 REV BT
CS-19467	WEST	OT2B2	CS	N		CV-31279	N	Y	NV *	NE-40409-89 REV VV
CS-19481	ALLEN BRADLEY	80HHP31KB6AXX	CS	N		CV-31414 CV-31415	N N	Y Y	NV NV *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU
CS-19482	ALLEN BRADLEY	800HHP31KBGAXX	CS	N		CV-31610 CV-31611	N N	Y Y	NV NV *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU
CS-19542	ELECTROSWITCH	20P	CS	N		BKR 212G	N	Y	NV *	NE-40406-12.4 REV A
CS-19551	ELECTROSWITCH	20P	CS	N		BKR 122G	N	Y	NV *	NE-40008-87.13 REV A

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CS-19552	ELECTROSWITCH	20P	CS	N		BKR 222G	N	Y	NV	*	NE-40406-56.4 REV A
CS-19600	WEST	0T2A	CS	N		CV-39200	N	Y	NV	*	NE-40409-101 REV M
CS-19601	WEST	0T2A	CS	N		CV-39201	N	Y	NV	*	NE-40009-148 REV BS
CS-19602	WEST	0T2A	CS	N		CV-39202	N	Y	NV	*	NE-40409-101 REV M
CS-19603	WEST	0T2A	CS	N		CV-39203	N	Y	NV	*	NE-40009-148 REV BS
CS-19636	WEST	W2-505A659G01	CS	N		MV-32025	N	Y	NV	*	NE-40008-22 REV BV
CS-19637	UNSPECIFIED	*	CS	N		MV-32025	N	Y	NV	*	NE-40008-22 REV BV
CS-19640	WEST	W2-505A659G01	CS	N		MV-32027	N	Y	NV	*	NE-40008-89 REV BU
CS-19641	UNSPECIFIED	*	CS	N		MV-32027	N	Y	NV	*	NE-40008-89 REV BU
CS-19644	WEST	W2-505A659G01	CS	N		MV-32026	N	Y	NV	*	NE-40406-16 REV AE
CS-19645	UNSPECIFIED	*	CS	N		MV-32026	N	Y	NV	*	NE-40406-16 REV AE
CS-19648	WEST	W2-505A659G01	CS	N		MV-32030	N	Y	NV	*	NE-40406-57 REV AF
CS-19649			CS	N		MV-32030	N	Y	NV	*	NE-40406-57 REV AF
CS-32242*	UNSPECIFIED	*	CS	N		MV-32242	N	Y	NV	*	NE-40008-67 REV BX
CS-32243*	UNSPECIFIED	*	CS	N		MV-32243	N	Y	NV	*	NE-40008-130 REV BX
CS-32248*			CS	N		MV-32248	N	Y	NV	*	NE-40406-45 REV AJ
CS-32249*			CS	N		MV-32249	N	Y	NV	*	NE-40406-94 REV AJ
CS-32322*	UNSPECIFIED	*	CS	N		MV-32322	N	Y	NV	*	NE-40008-43 REV BP
CS-32329*	UNSPECIFIED	*	CS	N		MV-32329	N	Y	NV	*	NE-40406-78 REV AB
CS-32332*			CS	N		MV-32332	N	Y	NV	*	NE-40008-45 REV BR
CS-32333*			CS	N		MV-32333	N	Y	NV	*	NE-40008-22 REV BW
CS-32334*			CS	N		MV-32334	N	Y	NV	*	NE-40406-68 REV W
CS-32335*			CS	N		MV-32335	N	Y	NV	*	NE-40008-89 REV BU
CS-46004	WEST	0T2M00	CS	N		075-011	N	Y	NV	*	NE-40008-87 REV W

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CS-46005	WEST	OT2M00	CS	N		075-012	N	Y	NV	*	NE-40008-151 REV V
CS-46010	WEST	OT2V6	CS	N		MV-32132	N	Y	NV	*	NE-40008-06 REV BP
CS-46011	WEST	OT2V6	CS	N		MV-32138	N	Y	NV	*	NE-40008-68 REV BM
CS-46012	WEST	OT2V6	CS	N		MV-32135	N	Y	NV	*	NE-40008-129 REV CD
CS-46013	WEST	OT2V6	CS	N		MV-32141	N	Y	NV	*	NE-40008-132 REV BN
CS-46014	WEST	OT2V6	CS	N		MV-32133	N	Y	NV	*	NE-40008-55 REV BQ
CS-46015	WEST	OT2V6	CS	N		MV-32139	N	Y	NV	*	NE-40008-66 REV BP
CS-46016	WEST	OT2V6	CS	N		MV-32136	N	Y	NV	*	NE-40008-117 REV BP
CS-46017	WEST	OT2V6	CS	N		MV-32142	N	Y	NV	*	NE-40008-125 REV BQ
CS-46018	WEST	W2-787A839G01	CS	N		174-011	N	Y	NV	*	NE-40008-83 REV CD
CS-46019	WEST	W2-787A839G01	CS	N		174-013	N	Y	NV	*	NE-40008-84 REV CE
CS-46020	WEST	W2-787A839G01	CS	N		174-012	N	Y	NV	*	NE-40008-147 REV CE
CS-46021	WEST	W2-787A839G01	CS	N		174-014	N	Y	NV	*	NE-40008-148 REV CD
CS-46034	WEST	OT2S1	CS	N		MV-32322	N	Y	NV	*	NE-40008-43 REV BP
CS-46038	WEST	OT2V6	CS	N		MV-32031	N	Y	NV	*	NE-40008-19 REV QS
CS-46039	WEST	OT2V6	CS	N		MV-32144	N	Y	NV	*	NE-40008-47 REV BQ
CS-46041	WEST	OT2S1	CS	N		MV-32371	N	Y	NV	*	NE-40008-23 REV W
CS-46044*	UNSPECIFIED	*	CS	N		MV-32145	N	Y	NV	*	NE-40008-42 REV BR
CS-46045	WEST	OT2S1	CS	N		MV-32332	N	Y	NV	*	NE-40008-45 REV RR
CS-46046	WEST	OT2V6	CS	N		MV-32034	N	Y	NV	*	NE-40008-25 REV BQ
CS-46047*	UNSPECIFIED	*	CS	N		MV-32146	N	Y	NV	*	NE-40008-104 REV BS
CS-46053	WEST	W2-787A861G01	CS	N		145-392	N	Y	NV	*	NE-40009-70 REV CY, NE-40009-71 REV TT
CS-46054*	UNSPECIFIED	*	CS	N		076-021	N	Y	NV	*	NE-40008-72 REV BS

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CS-46055*	UNSPECIFIED	*	CS	N		076-021	N	Y	NV *	NE-40008-72 REV BS
CS-46067	WEST	W2-787A861G01	CS	N		076-021	N	Y	NV *	NE-40008-72 REV BS
CS-46068	WEST	W2-787A861G01	CS	N		045-591	N	Y	NV *	NE-40008-76 REV CF
CS-46069*	UNSPECIFIED	*	CS	N		045-591	N	Y	NV *	NE-40008-76 REV CF
CS-46070*	UNSPECIFIED	*	CS	N		045-591	N	Y	NV *	NE-40008-76 REV CF
CS-46071*	UNSPECIFIED	*	CS	N		045-592	N	Y	NV *	NE-40008-139 REV CF
CS-46072*	UNSPECIFIED	*	CS	N		045-592	N	Y	NV *	NE-40008-139 REV CF
CS-46075	WEST	W2-787A861G01	CS	N		076-022	N	Y	NV *	NE-40008-137 REV AD
CS-46076	WEST	W2-787A861G01	CS	N		045-592	N	Y	NV *	NE-40008-139 REV CF
CS-46078*	UNSPECIFIED	*	CS	N		076-022	N	Y	NV *	NE-40008-137 REV AD
CS-46079*	UNSPECIFIED	*	CS	N		076-022	N	Y	NV *	NE-40008-137 REV AD
CS-46080	WEST	0T2Z2	CS	N		SV-37460 SV-37462	N N	Y Y	NV NV *	NE-40009-172 REV B NE-40009-172 REV B
CS-46081	WEST	0T2Z2	CS	N		SV-37461 SV-37463	N N	Y Y	NV NV *	NE-40009-172 REV B NE-40009-172 REV B
CS-46118	WEST	0T2V6	CS	N		MV-32035	N	Y	NV *	NE-40008-94 REV BQ
CS-46127	WEST	0T2V6	CS	N		MV-32016	N	Y	NV *	NE-40008-67 REV BX
CS-46128	WEST	0T2V6	CS	N		MV-32017	N	Y	NV *	NE-40008-130 REV BX
CS-46132	WEST	0T2V6	CS	N		MV-32166	N	Y	NV *	NE-40008-51 REV BS
CS-46133	WEST	0T2Z6	CS	N		CV-31255	N	Y	NV *	NE-40009-105 REV CW
CS-46144	WEST	0T2V6	CS	N		MV-32159	N	Y	NV *	NE-40008-102 REV BQ
CS-46158	WEST	0T2V6	CS	N		CV-31098	N	Y	NV *	NE-40009-96 REV CZ
CS-46159	WEST	0T2V6	CS	N		CV-31099	N	Y	NV *	NE-40009-97 REV CZ
CS-46165	WEST	0T2Z2	CS	N		CV-31226	N	Y	NV *	NE-40009-101 REV CY
CS-46168	WEST	0T2S1	CS	N		CV-31330	N	Y	NV *	NE-40009-118 REV CV



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CS-46172	WEST	OT2S1	CS	N		CV-31334	N	Y	NV	*	NE-40009-118 REV CV
CS-46173	WEST	OT2V6	CS	N		MV-32199	N	Y	NV	*	NE-40008-115 REV BR
CS-46176	WEST	OT2S1	CS	N		CV-31335	N	Y	NV	*	NE-40009-118 REV CV
CS-46177	WEST	OT2S1	CS	N		CV-31336	N	Y	NV	*	NE-40009-119 REV CX
CS-46241	WEST	W2-787A839G01	CS	N		BKR 112C	N	Y	NV	*	NE-40008-13.6 REV A
CS-46242	WEST	W2-787A839G01	CS	N		BKR 122C	N	Y	NV	*	NE-40008-17 REV BE
CS-46246	WEST	OT2	CS	N		CV-31231 CV-31232	N N	Y Y	NV NV	* *	NE-40009-101 REV CY NE-40009-101 REV CY
CS-46259	WEST	OT2S6	CS	N		CV-31232	N	Y	NV	*	NE-40009-101 REV CY
CS-46260	WEST	OT2S6	CS	N		CV-31231	N	Y	NV	*	NE-40009-101 REV CY
CS-46282	WEST	OT2S1WM	CS	N		SV-37035	N	Y	NV	*	NE-40009-175 REV B
CS-46283	WEST	OT2S1WM	CS	N		SV-37037	N	Y	NV	*	NE-40009-175 REV B
CS-46284	WEST	OT2S1WM	CS	N		SV-37039	N	Y	NV	*	NE-40009-175 REV B
CS-46285	WEST	OT2S1WM	CS	N		SV-37036	N	Y	NV	*	NE-40009-176 REV B
CS-46286	WEST	OT2S1WM	CS	N		SV-37038	N	Y	NV	*	NE-40009-176 REV B
CS-46287	WEST	OT2S1WM	CS	N		SV-37040	N	Y	NV	*	NE-40009-176 REV B
CS-46292	WEST	W2-787A861G01	CS	N		145-041	N	Y	NV	*	NE-40008-100 REV BH
CS-46293	WEST	W2-787A861G01	CS	N		145-042	N	Y	NV	*	NE-40008-35 REV NN
CS-46305	WEST	OT2V6	CS	N		MV-32061	N	Y	NV	*	NE-40008-36 REV BL
CS-46308	WEST	OT2V6	CS	N		MV-32045	N	Y	NV	*	NE-40008-50 REV BR
CS-46309	WEST	OT2V6	CS	N		MV-32047	N	Y	NV	*	NE-40008-131 REV BS
CS-46314	WEST	OT2V6	CS	N		MV-32238	N	Y	NV	*	NE-40008-21 REV BL
CS-46315	WEST	OT2V6	CS	N		MV-32239	N	Y	NV	*	NE-40008-21 REV BL
CS-46316	WEST	OT2V6	CS	N		MV-32381	N	Y	NV	*	NE-40008-90 REV BP

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CS-46317	WEST	OT2V6	CS	N		MV-32382	N	Y	NV	*	NE-40008-90 REV BP
CS-46318	WEST	OT2V6	CS	N		MV-32242	N	Y	NV	*	NE-40008-67 REV BX
CS-46319	WEST	OT2V6	CS	N		MV-32243	N	Y	NV	*	NE-40008-130 REV BX
CS-46321	WEST	OT2S1WM	CS	N		SV-37091	N	Y	NV	*	NF-40781-5 REV F
CS-46322	WEST	OT2S1WM	CS	N		SV-37093	N	Y	NV	*	NF-40781-5 REV F
CS-46323	WEST	OT2S1WM	CS	N		SV-37095	N	Y	NV	*	NF-40781-5 REV F
CS-46324	WEST	OT2S1WM	CS	N		SV-37092	N	Y	NV	*	NF-40781-5 REV F
CS-46325	WEST	OT2S1WM	CS	N		SV-37094	N	Y	NV	*	NF-40781-5 REV F
CS-46326	WEST	OT2S1WM	CS	N		SV-37096	N	Y	NV	*	NF-40781-5 REV F
CS-46331	WEST	W2-8116A10G01N	CS	N		1-52/RTA 1-52/RTB	N N	Y Y	NV NV	*	XH-1-932 REV K XH-1-932 REV K
CS-46336	WEST	W2-505A621G01	CS	N		145-392	N	Y	NV	*	NE-40009-70 REV CY, NE-40009-71 REV TT
CS-46420	WEST	OT2V6	CS	N		MV-32333	N	Y	NV	*	NE-40008-22 REV BW
CS-46422	WEST	OT2V6	CS	N		MV-32335	N	Y	NV	*	NE-40008-89 REV BU
CS-46424	WEST	W2(MO-3)	CS	N		CV-31998	N	Y	NV	*	NE-40009-97.2 REV DM
CS-46425	WEST	W2-787A861G01	CS	N		145-331	N	Y	NV	*	NE-40006-59 REV AB
CS-46433	WEST	OT2S1	CS	N		MV-32025	N	Y	NV	*	NE-40008-22 REV BV
CS-46434	WEST	OT2S1	CS	N		MV-32027	N	Y	NV	*	NE-40008-89 REV BU
CS-46438	WEST	W2-505A715G05	CS	N		CV-31998	N	Y	NV	*	NE-40009-97.2 REV DN
CS-46439	WEST	W2-505A715G05	CS	N		145-331	N	Y	NV	*	NE-40006-59 REV AB
CS-46442	ELECTROSWITCH	W2-505A603G01	CS	N		CD-34076	N	Y	NV	*	NE-40009-136.1 REV D
CS-46443	ELECTROSWITCH	W2-505A603G01	CS	N		CD-34078	N	Y	NV	*	NE-40009-137.1 REV D
CS-46450	WEST	W2-807A187G01	CS	N		1-52/RTA 1-52/RTB	N N	Y Y	NV NV	*	XH-1-932 REV K XH-1-932 REV K

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CS-46453	WEST	OT2V6	CS	N		MV-32060	N	Y	NV	*	NE-40008-36 REV BL
CS-46487	WEST	OT2V6	CS	N		MV-32377	N	Y	NV	*	NE-40008-51 REV BS
CS-46488	WEST	OT2V6	CS	N		MV-32378	N	Y	NV	*	NE-40008-50 REV BQ
CS-46489	WEST	OT2V6	CS	N		MV-32379	N	Y	NV	*	NE-40008-121 REV BR
CS-46490	WEST	OT2V6	CS	N		MV-32380	N	Y	NV	*	NE-40008-116 REV BP
CS-46509	WEST	OT2V6	CS	N		MV-32037	N	Y	NV	*	NE-40008-94 REV BQ
CS-46515	WEST	OT2V6	CS	N		MV-32033	N	Y	NV	*	NE-40406-59 REV AH
CS-46516	WEST	OT2S1	CS	N		MV-32329	N	Y	NV	*	NE-40406-78 REV AB
CS-46517*	UNSPECIFIED	*	CS	N		MV-32160	N	Y	NV	*	NE-40406-27 REV AB
CS-46518	WEST	OT2S1	CS	N		MV-32372	N	Y	NV	*	NE-40406-60 REV E
CS-46519	WEST	OT2V6	CS	N		MV-32036	N	Y	NV	*	NE-40008-25 REV BR
CS-46520*	UNSPECIFIED	*	CS	N		MV-32161	N	Y	NV	*	NE-40406-70 REV AB
CS-46523	WEST	W2-787A861G01	CS	N		245-392	N	Y	NV	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
CS-46537	WEST	W2-505A621G01	CS	N		245-392	N	Y	NV	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
CS-46541	WEST	OT2V6	CS	N		MV-32147	N	Y	NV	*	NE-40406-44 REV AE
CS-46542	WEST	OT2V6	CS	N		MV-32153	N	Y	NV	*	NE-40406-46 REV AD
CS-46543	WEST	OT2V6	CS	N		MV-32150	N	Y	NV	*	NE-40406-93 REV AN
CS-46544	WEST	OT2V6	CS	N		MV-32156	N	Y	NV	*	NE-40406-96 REV AC
CS-46545	WEST	OT2V6	CS	N		MV-32148	N	Y	NV	*	NE-40406-36 REV AG
CS-46546	WEST	OT2V6	CS	N		MV-32154	N	Y	NV	*	NE-40406-44 REV AE
CS-46547	WEST	OT2V6	CS	N		MV-32151	N	Y	NV	*	NE-40406-82 REV AE
CS-46548	WEST	OT2V6	CS	N		MV-32157	N	Y	NV	*	NE-40406-95 REV AE
CS-46549	WEST	W2-787A839G01	CS	N		274-011	N	Y	NV	*	NE-40406-53 REV AM

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CS-46550	WEST	W2-787A839G01	CS	N		274-013	N	Y	NV	*	NE-40406-54 REV AN
CS-46551	WEST	W2-787A839G01	CS	N		274-012	N	Y	NV	*	NE-40406-103 REV AN
CS-46552	WEST	W2-787A839G01	CS	N		274-014	N	Y	NV	*	NE-40406-104 REV AN
CS-46573	WEST	OT2S1	CS	N		MV-32334	N	Y	NV	*	NE-40406-68 REV W
CS-46599	WEST	OT2V6	CS	N		MV-32019	N	Y	NV	*	NE-40406-45 REV AJ
CS-46600	WEST	OT2V6	CS	N		MV-32020	N	Y	NV	*	NE-40406-94 REV AJ
CS-46640	ELECTROSWITCH	W2 505A603G01	CS	N		CD-34080	N	Y	NV	*	NE-40409-111 REV TW
CS-46641	ELECTROSWITCH	W2 505A603G01	CS	N		CD-34082	N	Y	NV	*	NE-40409-112 REV TW
CS-46767	WEST	OT2S1	CS	N		MV-32026	N	Y	NV	*	NE-40406-16 REV AE
CS-46770	WEST	W2-787A861G01	CS	N		245-331	N	Y	NV	*	NE-116785-22 REV A
CS-46771	WEST	W2-787A861G01	CS	N		CV-31999	N	Y	NV	*	NE-40409-81.1 REV EM
CS-46772	WEST	OT222 M03	CS	N		SV-37464 SV-37466	N N	Y Y	NV NV	* *	NE-40409-131 REV B NE-40409-131 REV B
CS-46773	ELECTROSWITCH	20	CS	N		SV-37465 SV-37467	N N	Y Y	NV NV	* *	NE-40409-131 REV B NE-40409-131 REV B
CS-46785	WEST	W2-505A715G05	CS	N		245-331	N	Y	NV	*	NE-116785-22 REV A
CS-46786	WEST	W2-505A715G05	CS	N		CV-31999	N	Y	NV	*	NE-40409-81.1 REV EM
CS-46840	WEST	OT2V6	CS	N		MV-32383	N	Y	NV	*	NE-40406-58 REV AD
CS-46841	WEST	OT2	CS	N		MV-32384	N	Y	NV	*	NE-40406-58 REV AD
CS-46842	WEST	OT2V6	CS	N		MV-32246	N	Y	NV	*	NE-40406-17 REV AB
CS-46843	WEST	OT2V6	CS	N		MV-32247	N	Y	NV	*	NE-40406-17 REV AB
CS-46844	WEST	OT2V6	CS	N		MV-32248	N	Y	NV	*	NE-40406-45 REV AJ
CS-46845	WEST	OT2V6	CS	N		MV-32249	N	Y	NV	*	NE-40406-94 REV AJ
CS-46861	WEST	OT2V6	CS	N		MV-32210	N	Y	NV	*	NE-40406-80 REV L
CS-46883	WEST	OT2S1	CS	N		MV-32030	N	Y	NV	*	NE-40406-57 REV AF

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CS-46896	WEST	0T2S1	CS	N		CV-31422	N	Y	NV	*	NE-40409-105 REV ZZ
CS-46902*	UNSPECIFIED	*	CS	N	PANEL G-1	034-011	N	Y	NV	*	NE-40009-75 REV CW
CS-46904	ELECTROSWITCH	20099M-04	CS	N		BKR 15-8	N	Y	NV	*	NE-40006-55 REV CD
CS-46905	ELECTROSWITCH	20099M-02	CS	N		BKR 15-6	N	Y	NV	*	NE-40006-53 REV KL
CS-46906	ELECTROSWITCH	20099M-05	CS	N		034-011	N	Y	NV	*	NE-40006-49 REV PQ, NE-40006-31 REV H, NE-40006-30 REV L NE-40006-31 REV H
						BKR 15-3	N	Y	NV	*	
CS-46907	ELECTROSWITCH	20099M-04	CS	N		BKR 26-12	N	Y	NV	*	NE-116786-25 REV A
CS-46909	ELECTROSWITCH	20099M-09	CS	N		BKR 15-7	N	Y	NV	*	NE-40006-54 REV KL
CS-46910	ELECTROSWITCH	20099M-10	CS	N		BKR 25-16	N	Y	NV	*	NE-116785-29 REV B
CS-46911*	UNSPECIFIED	*	CS	N	PANEL G-1	034-021	N	Y	NV	*	NE-40009-83 REV CS
CS-46912	ELECTROSWITCH	20099M-03	CS	N		BKR 25-16	N	Y	NV	*	NE-116785-29 REV B
CS-46914	ELECTROSWITCH	20099M-02	CS	N		BKR 16-10	N	Y	NV	*	NE-40006-66 REV RS
CS-46916	ELECTROSWITCH	20099M-02	CS	N		BKR 16-11	N	Y	NV	*	NE-40006-66.1 REV A
CS-46917	ELECTROSWITCH	20099M-06	CS	N		034-021	N	Y	NV	*	NE-40006-65 REV MN, NE-40006-31 REV H, NE-40006-30 REV L NE-40006-31 REV H
						BKR 16-8	N	Y	NV	*	
CS-46918	ELECTROSWITCH	20099M-09	CS	N		BKR 16-2	N	Y	NV	*	NE-40006-58 REV KL
CS-46919	ELECTROSWITCH	20099M-09	CS	N		034-021	N	Y	NV	*	NE-40006-65 REV MN
CS-46921	ELECTROSWITCH	20099M-01	CS	N		034-021	N	Y	NV	*	NE-40006-65 REV MN
CS-46922	ELECTROSWITCH	20099M-09	CS	N		BKR 16-8	N	Y	NV	*	NE-40006-64 REV QR
CS-46923	ELECTROSWITCH	20099M-03	CS	N		BKR 25-5	N	Y	NV	*	NE-116785-16 REV B
CS-46924	ELECTROSWITCH	20099M-01	CS	N		BKR 16-8	N	Y	NV	*	NE-40006-64 REV QR
CS-46925	ELECTROSWITCH	20099M-10	CS	N		BKR 25-5	N	Y	NV	*	NE-116785-16 REV B
CS-46926	ELECTROSWITCH	20099M-01	CS	N		BKR 16-2	N	Y	NV	*	NE-40006-58 REV KL

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CS-46927	ELECTROSWITCH	20099M-02	CS	N		BKR 16-4	N	Y	NV	*	NE-40006-60 REV HJ
CS-46928*	UNSPECIFIED	*	CS	N	PANEL G-1	034-021	N	Y	NV	*	NE-40009-83 REV CS
CS-46929*	UNSPECIFIED	*	CS	N	PANEL G-1	034-021	N	Y	NV	*	NE-40009-82 REV CU
CS-46930*	UNSPECIFIED	*	CS	N	PANEL G-1	034-021	N	Y	NV	*	NE-40009-80 REV CZ, NE-40009-81 REV DA
CS-46933*	UNSPECIFIED	*	CS	N	PANEL G-1	034-011	N	Y	NV	*	NE-40009-75 REV CW
CS-46934*	UNSPECIFIED	*	CS	N	PANEL G-1	034-011	N	Y	NV	*	NE-40009-74 REV CW
CS-46935*	UNSPECIFIED	*	CS	N	PANEL G-1	034-011	N	Y	NV	*	NE-40009-72 REV CY, NE-40009-73 REV DA
CS-46936	ELECTROSWITCH	20099M-04	CS	N		BKR 25-6	N	Y	NV	*	NE-116785-18 REV A
CS-46938	ELECTROSWITCH	20099M-03	CS	N		BKR 26-2	N	Y	NV	*	NE-116786-15 REV B
CS-46939	ELECTROSWITCH	20099M-10	CS	N		BKR 26-13	N	Y	NV	*	NE-116786-26 REV B
CS-46940	ELECTROSWITCH	20099M-04	CS	N		BKR 25-3	N	Y	NV	*	NE-116785-14 REV A
CS-46941	ELECTROSWITCH	20099M-03	CS	N		BKR 26-13	N	Y	NV	*	NE-116786-26 REV B
CS-46948	ELECTROSWITCH	20099M-09	CS	N		034-011	N	Y	NV	*	NE-40006-49 REV PQ
CS-46950	ELECTROSWITCH	20099M-01	CS	N		034-011	N	Y	NV	*	NE-40006-49 REV BQ
CS-46951	ELECTROSWITCH	20099M-09	CS	N		BKR 15-3	N	Y	NV	*	NE-40006-50 REV ST
CS-46952	ELECTROSWITCH	20099M-04	CS	N		BKR 26-15	N	Y	NV	*	NE-116786-29 REV A
CS-46953	ELECTROSWITCH	20099M-01	CS	N		BKR 15-3	N	Y	NV	*	NE-40006-50 REV ST
CS-46955	ELECTROSWITCH	20099M-01	CS	N		BKR 15-7	N	Y	NV	*	NE-40006-54 REV KL
CS-46956	ELECTROSWITCH	20099M-02	CS	N		BKR 15-11	N	Y	NV	*	NE-40006-56.2 REV A
CS-46959	ELECTROSWITCH	20099M-10	CS	N		BKR 26-2	N	Y	NV	*	NE-116786-15 REV B
CS-46966*	UNSPECIFIED	*	CS	N	PANEL G-1	034-021	N	Y	NV	*	NE-40009-82 REV CU
CS-46967*	UNSPECIFIED	*	CS	N	PANEL G-1	034-011	N	Y	NV	*	NE-40009-74 REV CW
CS-49504	WEST	0T2S1	CS	N		CV-31426	N	Y	NV	*	NE-40409-105 REV ZJ

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CS-49505	WEST	OT2S1	CS	N		CV-31427	N	Y	NV	*	NE-40409-106 REV PP
CS-49506	WEST	OT2S1	CS	N		CV-31425	N	Y	NV	*	NE-40409-105 REV ZZ
CS-49536	WEST	OT2Z6	CS	N		CV-31230	N	Y	NV	*	NE-40409-85 REV BT
CS-49550	WEST	W2-787A861G01	CS	N		245-041	N	Y	NV	*	NE-40406-66 REV AH
CS-49551	WEST	W2-787A861G01	CS	N		245-042	N	Y	NV	*	NE-40406-20 REV AK
CS-49555	WEST	W2-787A839G01	CS	N		BKR 212C	N	Y	NV	*	NE-40406-12.6 REV A
CS-49556	WEST	W2-787A839G01	CS	N		BKR 222C	N	Y	NV	*	NE-40406-14 REV UU
CS-49562	WEST	W2-807A187G01	CS	N		2-52/RTA 2-52/RTB	N N	Y Y	NV NV	* *	XH-1001-1405 REV B XH-1001-1405 REV B
CS-49576	WEST	OT2S6	CS	N		CV-31234	N	Y	NV	*	NE-40409-85 REV BT
CS-49577	WEST	OT2S6	CS	N		CV-31233	N	Y	NV	*	NE-40409-85 REV BT
CS-49578	WEST	OT2S1	CS	N		31420	N	Y	NV	*	NE-40409-84 REV M
CS-49587	WEST	OT2V6	CS	N		MV-32062	N	Y	NV	*	NE-40406-21 REV TT
CS-49589	WEST	OT2V6	CS	N		MV-32063	N	Y	NV	*	NE-40406-21 REV TT
CS-49618	WEST	OT2V6	CS	N		MV-32048	N	Y	NV	*	NE-40406-31 REV AG
CS-49619	WEST	OT2V6	CS	N		MV-32050	N	Y	NV	*	NE-40406-95 REV AE
CS-49620	WEST	OT2V6	CS	N		CV-31116	N	Y	NV	*	NE-40409-79 REV AC
CS-49621	WEST	OT2V6	CS	N		CV-31117	N	Y	NV	*	NE-40409-80 REV AC
CS-49627	WEST	OT2	CS	N		CV-31233 CV-31234	N N	Y Y	NV NV	* *	NE-40409-85 REV BT NE-40409-85 REV BT
CS-49629	WEST	W2-8116A10G01N	CS	N		2-52/RTA 2-52/RTB	N N	Y Y	NV NV	* *	XH-1001-1405 REV B XH-1001-1405 REV B
CS-49632	WEST	OT2V6	CS	N		MV-32386	N	Y	NV	*	NE-40406-32 REV AG
CS-49633	WEST	OT2V6	CS	N		MV-32388	N	Y	NV	*	NE-40406-31 REV AG
CS-49634	WEST	OT2V6	CS	N		MV-32387	N	Y	NV	*	NE-40406-85 REV AF

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CS-49635	WEST	OT2V6	CS	N		MV-32389	N	Y	NV	*	NE-40406-81 REV AD
CS-49666	WEST	OT2V6	CS	N		MV-32194	N	Y	NV	*	NE-40406-32 REV AG
CS-49667	WEST	OT2Z6	CS	N		CV-31279	N	Y	NV	*	NE-40409-89 REV VV
CS-51001	WEST	W2-505A659G01	CS	N		BKR 112C	N	Y	NV	*	NE-40008-13.6 REV A
CS-5100201	CTL-HAM	10250T112	CS	N		BKR 112C	N	Y	NV	*	NE-40008-13.6 REV A
CS-5100202	CTL-HAM	10250T101	CS	N		BKR 112C	N	Y	NV	*	NE-40008-13.6 REV A
CS-51003	WEST	W2-505A659G01	CS	N		MV-32238	N	Y	NV	*	NE-40008-21 REV BL
CS-5100401	CTL-HAM	10250T	CS	N		MV-32238	N	Y	NV	*	NE-40008-21 REV BL
CS-5100402	CTL-HAM	10250T	CS	N		MV-32238	N	Y	NV	*	NE-40008-21 REV BL
CS-51005	WEST	W2-505A659G01	CS	N		MV-32239	N	Y	NV	*	NE-40008-21 REV BL
CS-5100601	CTL-HAM	10250T	CS	N		MV-32239	N	Y	NV	*	NE-40008-21 REV BL
CS-5100602	CTL-HAM	10250T	CS	N		MV-32239	N	Y	NV	*	NE-40008-21 REV BL
CS-51015	WEST	W2-505A659G01	CS	N		145-042	N	Y	NV	*	NE-40008-35 REV NN
CS-5101603	CTL-HAM	10250T101	CS	N		145-042	N	Y	NV	*	NE-40008-35 REV NN
CS-5101604	CTL-HAM	10250T102	CS	N		145-042	N	Y	NV	*	NE-40008-35 REV NN
CS-5101801	CTL-HAM	10250T	CS	N		CV-31998	N	Y	NV	*	NE-40009-97.2 REV DM
CS-5101802	CTL-HAM	10250T	CS	N		CV-31998	N	Y	NV	*	NE-40009-97.2 REV DM
CS-5101803	CTL-HAM	10250T	CS	N		CV-31998	N	Y	NV	*	NE-40009-97.2 REV DM
CS-51101	WEST	W2-505A659G01	CS	N		BKR 212C	N	Y	NV	*	NE-40406-12.6 REV A
CS-5110201	CTL-HAM	10250T112	CS	N		BKR 212C	N	Y	NV	*	NE-40406-12.6 REV A
CS-5110202	CTL-HAM	10250T101	CS	N		BKR 212C	N	Y	NV	*	NE-40406-12.6 REV A
CS-51103	WEST	W2-505A659G01	CS	N		MV-32383	N	Y	NV	*	NE-40406-58 REV AD
CS-5110401	CTL-HAM	10250T	CS	N		MV-32383	N	Y	NV	*	NE-40406-58 REV AD
CS-5110402	CTL-HAM	10250T	CS	N		MV-32383	N	Y	NV	*	NE-40406-58 REV AD



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CS-51105	WEST	W2-505A659G01	CS	N		MV-32384	N	Y	NV	*	NE-40406-58 REV AD
CS-5110601	CTL-HAM	10250T	CS	N		MV-32384	N	Y	NV	*	NE-40406-58 REV AD
CS-5110602	CTL-HAM	10250T	CS	N		MV-32384	N	Y	NV	*	NE-40406-58 REV AD
CS-51115	WEST	W2-505A659G01	CS	N		245-042	N	Y	NV	*	NE-40406-20 REV AK
CS-5111603	CTL-HAM	10250T101	CS	N		245-042	N	Y	NV	*	NE-40406-20 REV AK
CS-5111604	CTL-HAM	10250T102	CS	N		245-042	N	Y	NV	*	NE-40406-20 REV AK
CS-51117	WEST	W2-505A659G01	CS	N		245-331	N	Y	NV	*	NE-116785-22 REV A
CS-5111801	CTL-HAM	10250T	CS	N		245-331	N	Y	NV	*	NE-116785-23 REV A
CS-5111802	CTL-HAM	10250T	CS	N		245-331	N	Y	NV	*	NE-116785-22 REV A
CS-5111803	CTL-HAM	10250T	CS	N		245-331	N	Y	NV	*	NE-116785-22 REV A
CS-51501	WEST	W2-505A659G01	CS	N		BKR 122C	N	Y	NV	*	NE-40008-17 REV BE
CS-5150201	CTL-HAM	10250T112	CS	N		BKR 122C	N	Y	NV	*	NE-40008-17 REV BE
CS-5150202	CTL-HAM	10250T101	CS	N		BKR 122C	N	Y	NV	*	NE-40008-17 REV BE
CS-51503	WEST	W2-505A659G01	CS	N		MV-32381	N	Y	NV	*	NE-40008-90 REV BP
CS-5150401	CTL-HAM	10250T	CS	N		MV-32381	N	Y	NV	*	NE-40008-90 REV BP
CS-5150402	CTL-HAM	10250T	CS	N		MV-32381	N	Y	NV	*	NE-40008-90 REV BP
CS-51505	WEST	W2-505A659G01	CS	N		MV-32382	N	Y	NV	*	NE-40008-90 REV BP
CS-5150601	CTL-HAM	10250T	CS	N		MV-32382	N	Y	NV	*	NE-40008-90 REV BP
CS-5150602	CTL-HAM	10250T	CS	N		MV-32382	N	Y	NV	*	NE-40008-90 REV BP
CS-51515	WEST	W2-505A659G01	CS	N		145-041	N	Y	NV	*	NE-40008-100 REV BH
CS-5151603	CTL-HAM	10250T101	CS	N		145-041	N	Y	NV	*	NE-40008-100 REV BH
CS-5151604	CTL-HAM	10250T102	CS	N		145-041	N	Y	NV	*	NE-40008-100 REV BH
CS-51517	WEST	W2-505A659G01	CS	N		145-331	N	Y	NV	*	NE-40006-59 REV AB
CS-5151801	CTL-HAM	10250T	CS	N		145-331	N	Y	NV	*	NE-40006-59 REV AB

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CS-5151802	CTL-HAM	10250T	CS	N		145-331	N	Y	NV	*	NE-40006-59 REV AB
CS-5151803	CTL-HAM	10250T	CS	N		145-331	N	Y	NV	*	NE-40006-59 REV AB
CS-51601	WEST	W2-505A659G01	CS	N		BKR 222C	N	Y	NV	*	NE-40406-14 REV UU
CS-5160201	CTL-HAM	10250T112	CS	N		BKR 222C	N	Y	NV	*	NE-40406-14 REV UU
CS-5160202	CTL-HAM	10250T101	CS	N		BKR 222C	N	Y	NV	*	NE-40406-14 REV UU
CS-51603	WEST	W2-505A659G01	CS	N		MV-32246	N	Y	NV	*	NE-40406-17 REV AB
CS-5160401	CTL-HAM	10250T	CS	N		MV-32246	N	Y	NV	*	NE-40406-17 REV AB
CS-5160402	CTL-HAM	10250T	CS	N		MV-32246	N	Y	NV	*	NE-40406-17 REV AB
CS-51605	WEST	W2-505A659G01	CS	N		MV-32247	N	Y	NV	*	NE-40406-17 REV AB
CS-5160601	CTL-HAM	10250T	CS	N		MV-32247	N	Y	NV	*	NE-40406-17 REV AB
CS-5160602	CTL-HAM	10250T	CS	N		MV-32247	N	Y	NV	*	NE-40406-17 REV AB
CS-51615	WEST	W2-505A659G01	CS	N		245-041	N	Y	NV	*	NE-40406-66 REV AH
CS-5161603	CTL-HAM	10250T101	CS	N		245-041	N	Y	NV	*	NE-40406-66 REV AH
CS-5161604	CTL-HAM	10250T102	CS	N		245-041	N	Y	NV	*	NE-40406-66 REV AH
CS-51617	WEST	W2-505A659G01	CS	N		CV-31999	N	Y	NV	*	NE-40409-81.1 REV EM
CS-5161801	CTL-HAM	10250T	CS	N		CV-31999	N	Y	NV	*	NE-40409-81.1 REV EM
CS-5161802	CTL-HAM	10250T	CS	N		CV-31999	N	Y	NV	*	NE-40409-81.1 REV EM
CS-5161803	CTL-HAM	10250T	CS	N		CV-31999	N	Y	NV	*	NE-40409-81.1 REV EM
CS-55020	CTL-HAM	*	CS	N		034-011	N	Y	NV	*	NE-40009-72 REV CY
CS-55021	CTL-HAM	*	CS	N		034-011	N	Y	NV	*	NE-40009-74 REV CW
CS-55301	CTL-HAM	*	CS	N		034-011	N	Y	CA	*	NE-40009-75 REV CW
CS-55302	WEST	*	CS	N		034-011	N	Y	NV	*	NE-40009-75 REV CW
CS-55303	WEST	*	CS	N		034-011	N	Y	NV	*	NE-40009-76 REV F
CS-55306	WEST	W2-505A603G01	CS	N		034-011	N	Y	NV	*	NE-40009-74 REV CW

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CS-55308	WEST	W2-505A613G01	CS	N		034-011	N	Y	NV	*	NE-40009-72 REV CY
CS-55309	WEST	W2-807A158G01	CS	N		034-011	N	Y	NV	*	NE-40009-72 REV CY, NE-40009-73 REV DA, NE-40009-74 REV CW, NE-40009-75 REV CW
CS-55315	WEST	*	CS	N		034-011	N	Y	NV	*	NE-40009-75 REV CW
CS-55404	HARLO	*	CS	N		045-271	N	Y	NV	*	NE-40013-29 REV B
CS-55405	HARLO	*	CS	N		045-271	N	Y	NV	*	NE-40013-29 REV B
CS-55406	HARLO	*	CS	N		045-271	N	Y	NV	*	NE-40013-29 REV B
CS-55407*	UNSPECIFIED	*	CS	N	BUS 15	034-011	N	Y	NV	*	NE-40006-49 REV PQ
CS-55410*	UNSPECIFIED	*	CS	N	BUS 15	034-011	N	Y	CA	*	NE-40006-49 REV PQ
CS-55411	ELECTROSWITCH	20KB	CS	N		034-011	N	Y	NV	*	NE-40006-49 REV PQ, NE-40006-31 REV H
CS-55413	ELECTROSWITCH	20KB	CS	N		034-011	N	Y	NV	*	NE-40009-72 REV CY, NE-40009-73 REV DA, NE-40009-74 REV CW, NE-40009-75 REV CW
CS-55520	CTL-HAM	*	CS	N		034-021	N	Y	NV	*	NE-40009-80 REV CZ
CS-55521	CTL-HAM	*	CS	N		034-021	N	Y	NV	*	NE-40009-82 REV CU
CS-55801	CTL-HAM	*	CS	N		034-021	N	Y	CA	*	NE-40009-83 REV CS
CS-55802	WEST	*	CS	N		034-021	N	Y	NV	*	NE-40009-83 REV CS
CS-55803	WEST	*	CS	N		034-021	N	Y	NV	*	NE-40009-84 REV F
CS-55806	WEST	W2-505A603G01	CS	N		034-021	N	Y	NV	*	NE-40009-82 REV CU
CS-55808	WEST	W2-505A613G01	CS	N		034-021	N	Y	NV	*	NE-40009-80 REV CZ
CS-55809	WEST	W2-807A158G01	CS	N		034-021	N	Y	NV	*	NE-40009-80 REV CZ
CS-55815	WEST	*	CS	N		034-021	N	Y	NV	*	NE-40009-83 REV CS
CS-55904	HARLO	*	CS	N		045-273	N	Y	NV	*	NE-40013-36 REV B

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CS-55905	HARLO	*	CS	N		045-273	N	Y	NV *	NE-40013-36 REV B
CS-55906	HARLO	*	CS	N		045-273	N	Y	NV *	NE-40013-36 REV B
CS-5720001	UNSPECIFIED	*	CS	N		CD-34072	N	Y	NV *	NE-40009-136 REV BM
CS-5720006	UNSPECIFIED	*	CS	N		CD-34076	N	Y	NV *	NE-40009-136 REV BM
CS-5720011			CS	N		174-011	N	Y	NV *	NE-40008-83 REV CD
CS-5720012	UNSPECIFIED	*	CS	N		174-013	N	Y	NV *	NE-40008-84 REV CE
						CD-34076	N	Y	NV *	NE-40009-136.1 REV D
						CD-34077	N	Y	NV *	NE-40009-136.1 REV D
CS-5720101			CS	N		CD-34074	N	Y	NV *	NE-40009-137 REV BM
CS-5720106	UNSPECIFIED	*	CS	N		CD-34078	N	Y	NV *	NE-40009-137 REV BM
CS-5720111			CS	N		174-012	N	Y	NV *	NE-40008-147 REV CE
CS-5720112	UNSPECIFIED	*	CS	N		174-014	N	Y	NV *	NE-40008-148 REV CD
						CD-34078	N	Y	NV *	NE-40009-137.1 REV D
						CD-34079	N	Y	NV *	NE-40009-137.1 REV D
CS-5720201			CS	N		CD-34080	N	Y	NV *	NE-40409-111 REV TV
CS-5720206	UNSPECIFIED	*	CS	N		CD-34084	N	Y	NV *	NE-40409-111 REV TV
CS-5720211			CS	N		CD-34080	N	Y	NV *	NE-40409-111 REV TW
						CD-34081	N	Y	NV *	NE-40409-111 REV TW
CS-5720301	UNSPECIFIED	*	CS	N		CD-34082	N	Y	NV *	NE-40409-112 REV TV
CS-5720306	UNSPECIFIED	*	CS	N		CD-34086	N	Y	NV *	NE-40409-112 REV TV
CS-5720311	UNSPECIFIED	*	CS	N		CD-34082	N	Y	NV *	NE-40409-112 REV TW
						CD-34083	N	Y	NV *	NE-40409-112 REV TW
CS-5730306	CTL-HAM	8140K7	CS	N		075-011	N	Y	NV *	NE-40008-87 REV W
CS-5730307	FURNAS ELEC	50BB9488	CS	N		075-011	N	Y	NV *	NE-40008-85 REV U
CS-5730309	CTL-HAM	8144K20C1M52	CS	N		075-011	N	Y	NV *	NE-40008-87 REV W, NE-40008-86 REV CD
CS-5730310	CTL-HAM	8144K20C1M52	CS	N		075-011	N	Y	NV *	NE-40008-86 REV CD

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CS-5730316	CTL-HAM	8142K4	CS	N		075-011	N	Y	NV	*	NE-40008-86 REV CD
CS-5730406	CTL-HAM	8140K7	CS	N		075-012	N	Y	NV	*	NE-40008-151 REV V
CS-5730407	FURNAS ELEC	50BB9488	CS	N		075-012	N	Y	NV	*	NE-40008-149 REV V
CS-5730412	CTL-HAM	8144K20C1M52	CS	N		075-012	N	Y	NV	*	NE-40008-151 REV V, NE-40008-150 REV CC
CS-5730413	CTL-HAM	8144K21C1M52	CS	N		075-012	N	Y	NV	*	NE-40008-151 REV V
CS-5730416	CTL-HAM	8142K4	CS	N		075-012	N	Y	NV	*	NE-40008-150 REV CC
CS-5733001	WEST	OT2	CS	N		CV-39402	N	Y	NV	*	NE-40009-168 REV C
CS-5733002	WEST	OT2	CS	N		CV-39401 CV-39411	N N	Y Y	NV NV	* *	NE-40009-163 REV B NE-40009-163 REV B
CS-5733003	WEST	OT2	CS	N		CV-39404	N	Y	NV	*	NE-40009-165 REV C
CS-5733004	WEST	OT2	CS	N		CV-39403 CV-39409	N N	Y Y	NV NV	* *	NE-40009-165 REV B NE-40009-165 REV B
CS-5733008	WEST	OT2	CS	N		CV-39405	N	Y	NV	*	NE-40009-168 REV C
CS-5733009	WEST	OT2	CS	N		CV-39406	N	Y	NV	*	NE-40009-165 REV C
CS-5735001	WEST	OT2	CS	N		CV-39416	N	Y	NV	*	NE-40409-127 REV B
CS-5735002	WEST	OT2	CS	N		CV-39415 CV-39423	N N	Y Y	NV NV	* *	NE-40409-127 REV B NE-40409-127 REV B
CS-5735003	WEST	OT2	CS	N		CV-39414	N	Y	NV	*	NE-40409-124 REV C
CS-5735004	WEST	OT2	CS	N		CV-39413 CV-39421	N N	Y Y	NV NV	* *	NE-40409-124 REV B NE-40409-124 REV B
CS-5735008	WEST	OT2	CS	N		CV-39419	N	Y	NV	*	NE-40409-127 REV B
CS-5735009	WEST	OT2	CS	N		CV-39417	N	Y	NV	*	NE-40409-124 REV C
CS-58333	OEM	NN16	CS	N		CV-31414 CV-31415	N N	Y Y	NV NV	* *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU
CS-58833			CS	N		CV-31610 CV-31611	N N	Y Y	NV NV	* *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU

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CS-7030001	WEST	W2-505A659G01	CS	N		145-392	N	Y	NV	*	NE-40009-70 REV CY, NE-40009-71 REV TT
CS-7030002	WEST	OT2B1	CS	N		145-392	N	Y	NV	*	NE-40009-70 REV CY, NE-40009-71 REV TT
CS-7030003*	UNSPECIFIED	*	CS	N		145-392	N	Y	NV	*	NE-40009-70 REV CY, NE-40009-71 REV TT
CS-7030004	WEST	OT2B2	CS	N		145-392	N	Y	NV	*	NE-40009-70 REV CY, NE-40009-71 REV TT
CS-7030005	WEST	OT2S1	CS	N		145-392	N	Y	NV	*	NE-40009-70 REV CY, NE-40009-71 REV TT
CS-7035001	WEST	W2-505A659G01	CS	N		245-392	N	Y	NV	*	NE-40009-71.1, NE-40009-71.2 REV QQ
CS-7035002	WEST	OT2B1	CS	N		245-392	N	Y	NV	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
CS-7035003*	UNSPECIFIED	*	CS	N		245-392	N	Y	NV	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
CS-7035004	WEST	OT2B2	CS	N		245-392	N	Y	NV	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
CS-7035005	WEST	OT2S1	CS	N		245-392	N	Y	NV	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
CS-7038101	WEST	OT2S1	CS	N		158-011 258-012	N N	Y Y	NV NV	* *	NE-40008-31 REV Y NE-40008-96 REV RS
CS-7038102	WEST	OT2S6	CS	N		158-011 258-012	N N	Y Y	NV NV	* *	NE-40008-31 REV Y NE-40008-96 REV RS
CS-7038501	ALLEN BRADLEY	BULLETIN 800T	CS	N		067-011 SV-33133	N N	Y Y	NV NV	* *	NE-40008-26 REV BT NE-40008-26 REV BT
CS-7038502	LINK-BELT	*	CS	N		067-011	N	Y	NV	*	NE-40008-26 REV BT
CS-7038503	ALLEN BRADLEY	BULLETIN 800T	CS	N		SV-33133	N	Y	NV	*	NE-40008-26 REV BT
CS-7038507	ALLEN BRADLEY	*	CS	N		067-011 SV-33133	N N	Y Y	NV NV	* *	NE-40008-26 REV BT NE-40008-26 REV BT
CS-7038601	ALLEN BRADLEY	BULLETIN 800T	CS	N		067-012	N	Y	NV	*	NE-40008-93 REV Y

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						SV-33134	N	Y	NV	*	NE-40008-93 REV Y
CS-7038602	LINK-BELT	*	CS	N		067-012	N	Y	NV	*	NE-40008-93 REV Y
CS-7038603	ALLEN BRADLEY	BULLETIN 800T	CS	N		SV-33134	N	Y	NV	*	NE-40008-93 REV Y
CS-7038607	ALLEN BRADLEY	*	CS	N		067-012 SV-33134	N N	Y Y	NV NV	* *	NE-40008-93 REV Y NE-40008-93 REV Y
CS-70600	WEST	OT226	CS	N		MV-32400	N	Y	NV	*	NE-40008-59.1 REV C
CS-70602	WEST	OT226	CS	N		MV-32402	N	Y	NV	*	NE-40008-59.1 REV C
CS-70604	WEST	OT226	CS	N		MV-32404	N	Y	NV	*	NE-40008-44.1 REV C
CS-70606	WEST	OT226	CS	N		MV-32406	N	Y	NV	*	NE-40406-38.1 REV B
CS-70608	WEST	OT226	CS	N		MV-32408	N	Y	NV	*	NE-40406-38.1 REV B
CS-70610	WEST	OT226	CS	N		MV-32410	N	Y	NV	*	NE-40406-29.1 REV B
CS-70612	WEST	OT226	CS	N		CV-31637	N	Y	NV	*	NE-40009-114 REV U
CS-70613	WEST	OT226	CS	N		CV-31638	N	Y	NV	*	NE-40009-114 REV U
CS-70615	WEST	OT226	CS	N		CV-31639	N	Y	NV	*	NE-40409-101 REV M
CS-70616	WEST	OT226	CS	N		CV-31640	N	Y	NV	*	NE-40409-101 REV M
CS-7300107	ELECTROSWITCH	2438D	CS	N		BKR 111M	N	Y	NV	*	NE-40008-12 REV HH
CS-7300110	ELECTROSWITCH	2438D	CS	N		BKR 111A	N	Y	NV	*	NE-40008-13 REV HH
CS-7300119	ELECTROSWITCH	2438D	CS	N		BKR 112M	N	Y	NV	*	NE-40008-13.8 REV A
CS-7300122	ELECTROSWITCH	2438D	CS	N		BKR 112A	N	Y	NV	*	NE-40008-13.9 REV A
CS-7300127	ELECTROSWITCH	2438D	CS	N		BKR 25-15	N	Y	NV	*	NE-116785-28 REV A
CS-7300207	ELECTROSWITCH	2438D	CS	N		BKR 121M	N	Y	NV	*	NE-40008-87.8 REV A
CS-7300219	ELECTROSWITCH	2438D	CS	N		BKR 112M	N	Y	NV	*	NE-40008-13.8 REV A
CS-7300222	ELECTROSWITCH	2438D	CS	N		BKR 122A	N	Y	NV	*	NE-40008-87.18 REV A
CS-7300227	ELECTROSWITCH	2438D	CS	N		BKR 26-3	N	Y	NV	*	NE-116786-16 REV A

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CS-7300307	ELECTROSWITCH	2438D	CS	N		BKR 211M	N	Y	NV	*	NE-40406-11 REV EE
CS-7300319	ELECTROSWITCH	2438D	CS	N		BKR 212M	N	Y	NV	*	NE-40406-12.8 REV A
CS-7300322	ELECTROSWITCH	2438D	CS	N		BKR 212A	N	Y	NV	*	NE-40406-12.9 REV A
CS-7300327	ELECTROSWITCH	2438D	CS	N		BKR 15-12	N	Y	NV	*	NE-40006-56.3 REV A
CS-7300407	ELECTROSWITCH	2438D	CS	N		BKR 221M	N	Y	NV	*	NE-40406-55.8 REV A
CS-7300410	ELECTROSWITCH	2438D	CS	N		BKR 221A	N	Y	NV	*	NE-40406-55.9 REV A
CS-7300419	ELECTROSWITCH	2438D	CS	N		BKR 222M	N	Y	NV	*	NE-40406-56.8 REV A
CS-7300422	ELECTROSWITCH	2438D	CS	N		BKR 222A	N	Y	NV	*	NE-40406-56.9 REV A
CS-7300427	ELECTROSWITCH	2438D	CS	N		BKR 16-12	N	Y	NV	*	NE-40006-66.2 REV A
CV-31098	S&K	70-XA-16	OP	N		CV-31098	N	Y	NV	*	NE-40009-96 REV C2
CV-31099	S&K	70-XA-16	OP	N		CV-31099	N	Y	NV	*	NE-40009-97 REV C2
CV-31116	S&K	70-KA242	OP			CV-31116	N	Y	NV	*	NE-40409-79 REV AC
CV-31117	S&K	70-KA242	OP	N		CV-31117	N	Y	NV	*	NE-40409-80 REV AC
CV-31226	UNSPECIFIED	*	OP	N		CV-31226	N	Y	NV	*	NE-40009-101 REV CY
CV-31230	UNSPECIFIED	*	OP	N		CV-31230	N	Y	NV	*	NE-40409-85 REV BT
CV-31231			OP	N		CV-31231	N	Y	NV	*	NE-40009-101 REV CY
CV-31232			OP	N		CV-31232	N	Y	NV	*	NE-40009-101 REV CY
CV-31233			OP	N		CV-31233	N	Y	NV	*	NE-40409-85 REV BT
CV-31234			OP	N		CV-31234	N	Y	NV	*	NE-40409-85 REV BT
CV-31255	UNSPECIFIED	*	OP	N		CV-31255	N	Y	NV	*	NE-40009-105 REV CW
CV-31279	UNSPECIFIED		OP	N		CV-31279	N	Y	NV	*	NE-40409-89 REV VV
CV-31330	UNSPECIFIED	*	OP	N		CV-31330	N	Y	NV	*	NE-40009-118 REV CV
CV-31334	UNSPECIFIED	*	OP	N		CV-31334	N	Y	NV	*	NE-40009-118 REV CV
CV-31335	COPEES VULCAN	D-100-60-2	OP	N		CV-31335	N	Y	NV	*	NE-40009-118 REV CV



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CV-31336	COPEES VULCAN	D-100-60-2	OP	N		CV-31336	N	Y	NV	*	NE-40009-119 REV CX
CV-31414	UNSPECIFIED	*	OP	N		CV-31414	N	Y	NV	*	NE-40009-129.8 REV TU
CV-31415	UNSPECIFIED	*	OP	N		CV-31415	N	Y	NV	*	NE-40009-129.8 REV TU
CV-31422	UNSPECIFIED	*	OP	N		CV-31422	N	Y	NV	*	NE-40409-105 REV ZZ
CV-31425	UNSPECIFIED	*	OP	N		CV-31425	N	Y	NV	*	NE-40409-105 REV ZZ
CV-31426	UNSPECIFIED	*	OP	N		CV-31426	N	Y	NV	*	NE-40409-105 REV ZZ
CV-31427	UNSPECIFIED	*	OP	N		CV-31427	N	Y	NV	*	NE-40409-106 REV PP
CV-31610	UNSPECIFIED	*	OP	N		CV-31610	N	Y	NV	*	NE-40009-129.8 REV TU
CV-31611	UNSPECIFIED	*	OP	N		CV-31611	N	Y	NV	*	NE-40009-129.8 REV TU
CV-31637			OP	N		CV-31637	N	Y	NV	*	NE-40009-114 REV U
CV-31638			OP	N		CV-31638	N	Y	NV	*	NE-40009-114 REV U
CV-31639	UNSPECIFIED	*	OP	N		CV-31639	N	Y	NV	*	NE-40409-101 REV M
CV-31640			OP	N		CV-31640	N	Y	NV	*	NE-40409-101 REV M
CV-39201	XOMOX	MX1250	OP	N		CV-39201	N	Y	NV	*	NE-40009-148 REV BS
CV-39203	XOMOX	MX1250	OP	N		CV-39203	N	Y	NV	*	NE-40009-148 REV BS
CV-39401	MASONEILAN	37-40411	OP	N		CV-39401 CV-39411	N N	Y Y	NV NV	* *	NE-40009-163 REV B NE-40009-163 REV B
CV-39402	UNSPECIFIED		OP	N		CV-39402	N	Y	NV	*	NE-40009-168 REV C
CV-39404	UNSPECIFIED		OP	N		CV-39404	N	Y	NV	*	NE-40009-165 REV C
CV-39405			OP	N		CV-39405	N	Y	NV	*	NE-40009-168 REV C
CV-39406			OP	N		CV-39405	N	Y	NV	*	NE-40009-165 REV C
CV-39407			OP	N		CV-39405	N	Y	NV	*	NE-40009-168 REV C
CV-39408			OP	N		CV-39406	N	Y	NV	*	NE-40009-165 REV C
CV-39410			OP	N		CV-39404	N	Y	NV	*	NE-40009-165 REV C

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CV-39411	MASONEILAN	37-40411	OP	N		CV-39401 CV-39411	N N	Y Y	NV NV	* *	NE-40009-163 REV B NE-40009-163 REV B
CV-39412			OP	N		CV-39402	N	Y	NV	*	NE-40009-168 REV C
CV-39414	UNSPECIFIED	*	OP	N		CV-39414	N	Y	NV	*	NE-40409-124 REV C
CV-39416	UNSPECIFIED		OP	N		CV-39416	N	Y	NV	*	NE-40409-127 REV B
CV-39417	UNSPECIFIED	*	OP	N		CV-39417	N	Y	NV	*	NE-40409-124 REV C
CV-39418	UNSPECIFIED	*	OP	N		CV-39417	N	Y	NV	*	NE-40409-124 REV C
CV-39419			OP	N		CV-39419	N	Y	NV	*	NE-40409-127 REV B
CV-39420			OP	N		CV-39419	N	Y	NV	*	NE-40409-127 REV B
CV-39422	UNSPECIFIED	*	OP	N		CV-39414	N	Y	NV	*	NE-40409-124 REV C
CV-39424			OP	N		CV-39416	N	Y	NV	*	NE-40409-127 REV B
DPR1/111C-10	SQ D	PO-GX	RLY	N		067-011 SV-3133	N N	Y Y	CA CA	* *	NE-40008-26 REV BT NE-40008-26 REV BT
DPR2/121C-10	SQ D	PO-GX	RLY	N		067-012 SV-33134	N N	Y Y	CA CA	* *	NE-40008-93 REV Y NE-40008-93 REV Y
K1/31414			RLY	N		CV-31414 CV-31415	N N	Y Y	CA CA	* *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU
K1X/31414			RLY	N		CV-31414 CV-31415	N N	Y Y	CA CA	* *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU
K2/31610			RLY	N		CV-31610 CV-31611	N N	Y Y	CA CA	* *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU
K201/1RM2			INST	N		CV-31414 CV-31415	N N	Y Y	CA CA	* *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU
K201/2RM2			INST	N		CV-31610 CV-31611	N N	Y Y	CA CA	* *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU
K2X/31610			RLY	N		CV-31610 CV-31611	N N	Y Y	CA CA	* *	NE-40009-129.8 REV TU NE-40009-129.8 REV TU
LPT/31998	AGASTAT	EGPD002	RLY	N	RC A1640-AFW	CV-31998	Y	N	CR	Y	NE-40009-97.2 REV DN

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					RM						
LPT/31999	GE	CR120BD07041	RLY	N	TC 2209 RLY RM	CV-31999	Y	N	CR	Y	NE-40409-81.1 REV EM
LR/D1	UNSPECIFIED	*	RLY	N		032-011	N	Y	CA	*	NE-40008-79 REV AC, NE-40009-72 REV CY, NE-40009-79 REV AD
						032-041	N	Y	CA	*	NE-40008-78 REV AD, NE-40009-72 REV CY, NE-40009-79 REV AD
						CD-34049	N	Y	CA	*	NE-40009-102 REV CX
LR/D2	UNSPECIFIED	*	RLY	N		032-012	N	Y	CA	*	NE-40008-143 REV AC, NE-40009-80 REV CY, NE-40009-87 REV CM
						032-042	N	Y	CA	*	NE-40008-142 REV AD, NE-40009-80 REV CY, NE-40009-87 REV CM
						CD-34049	N	Y	CA	*	NE-40009-102 REV CX
LSR/D1	CLARK	PM	RLY	N	034-011	034-011	Y	Y	NV	N	NE-40009-73 REV DA, NE-40009-72 REV CY, NE-40008-81 REV N, NE-40008-82 REV M
LSR/D2	CLARK	PML	RLY	N	034-021	034-021	Y	Y	NV	N	NE-40009-81 REV DA, NE-40009-80 REV CZ, NE-40008-145 REV N, NE-40008-146 REV M, NE-40009-83 REV CS
MCA/D1	CLARK	PM/4UB	RLY	N	55300	034-011	Y	Y	GERS	N	NE-40009-74 REV CW, NE-40009-72 REV CY, NE-40009-73 REV DA, NE-40006-81 REV WW
MCA/D2	CLARK	PM/4UB	RLY	N	55800	034-021	Y	Y	GERS	N	NE-40009-82 REV CU, NE-40009-80 REV CZ, NE-40009-81 REV DA, NE-40006-73 REV XY
MV-32016	POWELL	19023WE	OP	N		MV-32016	N	Y	NV	*	NE-40008-67 REV BX
MV-32017	POWELL	19023WE	OP	N		MV-32017	N	Y	NV	*	NE-40008-130 REV BX
MV-32019	POWELL	19023WE	OP	N		MV-32019	N	Y	NV	*	NE-40406-45 REV AJ

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MV-32020	POWELL	19023WE	OP	N		MV-32020	N	Y	NV	*	NE-40406-94 REV AJ
MV-32025	VELAN	B12-0054B-02TS	OP	N		MV-32025	N	Y	NV	*	NE-40008-22 REV BV
MV-32026	VELAN	B12-0054B-02TS	OP	N		MV-32026	N	Y	NV	*	NE-40406-16 REV AE
MV-32027	VELAN	B12-0054B-02TS	OP	N		MV-32027	N	Y	NV	*	NE-40008-89 REV BU
MV-32030	VELAN	B12-0054B-02TS	OP	N		MV-32030	N	Y	NV	*	NE-40406-57 REV AF
MV-32031	PRATT	1200	OP	N		MV-32031	N	Y	NV	*	NE-40008-19 REV QS
MV-32033	PRATT	1200	OP	N		MV-32033	N	Y	NV	*	NE-40406-59 REV AH
MV-32034	PRATT	2F2	OP	N		MV-32034	N	Y	NV	*	NE-40008-25 REV BQ
MV-32035	PRATT	2F2	OP	N		MV-32035	N	Y	NV	*	NE-40008-94 REV BQ
MV-32036	PRATT	2F2	OP	N		MV-32036	N	Y	NV	*	NE-40008-25 REV BR
MV-32037	PRATT	2F2	OP	N		MV-32037	N	Y	NV	*	NE-40008-94 REV BQ
MV-32045	POWELL	19051WE	OP	N		MV-32045	N	Y	NV	*	NE-40008-50 REV BR
MV-32047	POWELL	19051WE	OP	N		MV-32047	N	Y	NV	*	NE-40008-131 REV BS
MV-32048	POWELL	19051WE	OP	N		MV-32048	N	Y	NV	*	NE-40406-31 REV AG
MV-32050	POWELL	19051WE	OP	N		MV-32050	N	Y	NV	*	NE-40406-95 REV AE
MV-32060	ANCHOR DARLING *		OP	N		MV-32060 MV-32061	N N	Y Y	NV NV	* *	NE-40008-36 REV BL NE-40008-36 REV BL
MV-32061	ANCHOR DARLING *		OP	N		MV-32061	N	Y	NV	*	NE-40008-36 REV BL
MV-32062	ANCHOR DARLING *		OP	N		MV-32062 MV-32063	N N	Y Y	NV NV	* *	NE-40406-21 REV TT NE-40406-21 REV TT
MV-32063	ANCHOR DARLING *		OP	N		MV-32063	N	Y	NV	*	NE-40406-21 REV TT
MV-32132	POWELL	1523WE	OP	N		MV-32132	N	Y	NV	*	NE-40008-66 REV BP
MV-32133	ANCHOR DARLING *		OP	N		MV-32133	N	Y	NV	*	NE-40008-55 REV BQ
MV-32135	POWELL	1523WE	OP	N		MV-32135	N	Y	NV	*	NE-40008-129 REV CD
MV-32136	ANCHOR DARLING *		OP	N		MV-32136	N	Y	NV	*	NE-40008-117 REV BP

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MV-32138	POWELL	1523WE	OP	N		MV-32138	N	Y	NV	*	NE-40008-68 REV BM
MV-32139	ANCHOR DARLING	*	OP	N		MV-32139	N	Y	NV	*	NE-40008-66 REV BP
MV-32141	POWELL	1523WE	OP	N		MV-32141	N	Y	NV	*	NE-40008-132 REV BN
MV-32142	ANCHOR DARLING	*	OP	N		MV-32142	N	Y	NV	*	NE-40008-125 REV BQ
MV-32144	PRATT	1200	OP	N		MV-32144	N	Y	NV	*	NE-40008-47 REV BQ
MV-32145	PRATT	1200	OP	N		MV-32145	N	Y	NV	*	NE-40008-42 REV BR
MV-32146	PRATT	1200	OP	N		MV-32146	N	Y	NV	*	NE-40008-104 REV BS
MV-32147	POWELL	1523WE	OP	N		MV-32147	N	Y	NV	*	NE-40406-44 REV AE
MV-32148	ANCHOR DARLING	*	OP	N		MV-32148	N	Y	NV	*	NE-40406-36 REV AG
MV-32150	POWELL	1523WE	OP	N		MV-32150	N	Y	NV	*	NE-40406-93 REV AM
MV-32151	ANCHOR DARLING	*	OP	N		MV-32151	N	Y	NV	*	NE-40406-82 REV AE
MV-32153	POWELL	1523WE	OP	N		MV-32153	N	Y	NV	*	NE-40406-46 REV AD
MV-32154	ANCHOR DARLING	*	OP	N		MV-32154	N	Y	NV	*	NE-40406-44 REV AE
MV-32156	POWELL	1523WE	OP	N		MV-32156	N	Y	NV	*	NE-40406-96 REV AC
MV-32157	ANCHOR DARLING	*	OP	N		MV-32157	N	Y	NV	*	NE-40406-95 REV AE
MV-32159	PRATT	1200	OP	N		MV-32159	N	Y	NV	*	NE-40008-102 REV BQ
MV-32160	PRATT	1200	OP	N		MV-32160	N	Y	NV	*	NE-40406-27 REV AB
MV-32161	PRATT	1200	OP	N		MV-32161	N	Y	NV	*	NE-40406-70 REV AB
MV-32166	ALOYCO	*	OP	N		MV-32166	N	Y	NV	*	NE-40008-51 REV BS
MV-32194	ALOYCO	*	OP	N		MV-32194	N	Y	NV	*	NE-40406-32 REV AG
MV-32199	ALOYCO	*	OP	N		MV-32199	N	Y	NV	*	NE-40008-115 REV BR
MV-32210	ALOYCO	*	OP	N		MV-32210	N	Y	NV	*	NE-40406-80 REV L
MV-32238	POWELL	19051WE	OP	N		MV-32238	N	Y	NV	*	NE-40008-21 REV BL
MV-32239	POWELL	19051WE	OP	N		MV-32239	N	Y	NV	*	NE-40008-21 REV BL

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MV-32242	POWELL	19023WE	OP	N		MV-32242	N	Y	NV	*	NE-40008-67 REV BX
MV-32243	POWELL	19023WE	OP	N		MV-32243	N	Y	NV	*	NE-40008-130 REV BX
MV-32246	POWELL	19051WE	OP	N		MV-32246	N	Y	NV	*	NE-40406-17 REV AB
MV-32247	POWELL	19051WE	OP	N		MV-32247	N	Y	NV	*	NE-40406-17 REV AB
MV-32248	POWELL	19023WE	OP	N		MV-32248	N	Y	NV	*	NE-40406-45 REV AJ
MV-32249	POWELL	19023WE	OP	N		MV-32249	N	Y	NV	*	NE-40406-94 REV AJ
MV-32322	PRATT	2F2	OP	N		MV-32322	N	Y	NV	*	NE-40008-43 REV BP
MV-32329	PRATT	2F2	OP	N		MV-32329	N	Y	NV	*	NE-40406-78 REV AB
MV-32332	PRATT	2F2	OP	N		MV-32332	N	Y	NV	*	NE-40008-45 REV BR
MV-32333	VELAN	B12054B13MS	OP	N		MV-32333	N	Y	NV	*	NE-40008-22 REV BW
MV-32334	PRATT	2F11	OP	N		MV-32334	N	Y	NV	*	NE-40406-68 REV W
MV-32335	VELAN	B12054B13MS	OP	N		MV-32335	N	Y	NV	*	NE-40008-89 REV BU
MV-32371	POWELL	1523WE	OP	N		MV-32371	N	Y	NV	*	NE-40008-23 REV W
MV-32372	POWELL	1523WE	OP	N		MV-32372	N	Y	NV	*	NE-40406-60 REV E
MV-32377	POWELL	1523WE	OP	N		MV-32377	N	Y	NV	*	NE-40008-51 REV BS
MV-32378	POWELL	1523WE	OP	N		MV-32378	N	Y	NV	*	NE-40008-50 REV BQ
MV-32379	POWELL	1523WE	OP	N		MV-32379	N	Y	NV	*	NE-40008-121 REV BR
MV-32380	POWELL	1523WE	OP	N		MV-32380	N	Y	NV	*	NE-40008-116 REV BP
MV-32381	MASONEILAN	90-78003	OP	N		MV-32381	N	Y	NV	*	NE-40008-90 REV BP
MV-32382	MASONEILAN	90-78003	OP	N		MV-32382	N	Y	NV	*	NE-40008-90 REV BP
MV-32383	MASONEILAN	90-78003	OP	N		MV-32383	N	Y	NV	*	NE-40406-58 REV AD
MV-32384	MASONEILAN	90-78003	OP	N		MV-32384	N	Y	NV	*	NE-40406-58 REV AD
MV-32386	POWELL	1523WE	OP	N		MV-32386	N	Y	NV	*	NE-40406-32 REV AG
MV-32387	POWELL	1523WE	OP	N		MV-32387	N	Y	NV	*	NE-40406-85 REV AF

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MV-32388	POWELL	1523WE	OP	N		MV-32388	N	Y	NV	*	NE-40406-31 REV AG
MV-32389	POWELL	1523WE	OP	N		MV-32389	N	Y	NV	*	NE-40406-81 REV AD
MV-32400	KEROTEST	9954	OP	N		MV-32400	N	Y	NV	*	NE-40008-59.1 REV C
MV-32402	KEROTEST	9954	OP	N		MV-32402	N	Y	NV	*	NE-40008-59.1 REV C
MV-32404	KEROTEST	9954	OP	N		MV-32404	N	Y	NV	*	NE-40008-44.1 REV C
MV-32406	KEROTEST	9954	OP	N		MV-32406	N	Y	NV	*	NE-40406-38.1 REV B
MV-32408	KEROTEST	9954	OP	N		MV-32408	N	Y	NV	*	NE-40406-38.1 REV B
MV-32410	KEROTEST	9954	OP	N		MV-32410	N	Y	NV	*	NE-40406-29.1 REV B
OTL/D1*	UNSPECIFIED	*	RLY	N		034-011	N	Y	CA	*	NE-40009-72 REV CY
OTL/D2*	UNSPECIFIED	*	RLY	N		034-021	N	Y	CA	*	NE-40009-80 REV CZ
PB 15-3			CS	N		BKR 15-3	N	Y	NV	*	NE-40006-50 REV ST
PB 16-10			CS	N		BKR 16-10	N	Y	NV	*	NE-40006-66 REV RS
PB 16-2			CS	N		BKR 16-2	N	Y	NV	*	NE-40006-58 REV KL
PB 16-8			CS	N		BKR 16-8	N	Y	NV	*	NE-40006-64 REV QR
PB-32242*			CS	N		MV-32242	N	Y	NV	*	NE-40008-67 REV BX
PB-32243*			CS	N		MV-32243	N	Y	NV	*	NE-40008-130 REV BX
PB-32248*			CS	N		MV-32248	N	Y	NV	*	NE-40406-45 REV AJ
PB-32249*			CS	N		MV-32249	N	Y	NV	*	NE-40406-94 REV AJ
PB-32322*	UNSPECIFIED	*	CS	N		MV-32322	N	Y	NV	*	NE-40008-43 REV BP
PB-32329*	UNSPECIFIED	*	CS	N		MV-32329	N	Y	NV	*	NE-40406-78 REV AB
PB-32332*			CS	N		MV-32332	N	Y	NV	*	NE-40008-45 REV BR
PB-32333*			CS	N		MV-32333	N	Y	NV	*	NE-40008-22 REV BW
PB-32334*			CS	N		MV-32334	N	Y	NV	*	NE-40406-68 REV W
PB-32335*			CS	N		MV-32335	N	Y	NV	*	NE-40008-89 REV BU

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PB/112J-2*			CS	N		174-011	N	Y	NV	*	NE-40008-83 REV CD
PB/112J-3*			CS	N		174-013	N	Y	NV	*	NE-40008-84 REV CE
PB/122J-2*			CS	N		174-012	N	Y	NV	*	NE-40008-147 REV CE
PB/122J-3*			CS	N		174-014	N	Y	NV	*	NE-40008-148 REV CD
PB/15-B			CS	N		BKR 15-8	N	Y	NV	*	NE-40006-55 REV CD
PB/212J-2*			CS	N		274-011	N	Y	NV	*	NE-40406-53 REV AM
PB/212J-3*			CS	N		274-013	N	Y	NV	*	NE-40406-54 REV AN
PB/222J-2*			CS	N		274-012	N	Y	NV	*	NE-40406-103 REV AN
PB/222J-3*			CS	N		274-014	N	Y	NV	*	NE-40406-104 REV AM
PB15-7			CS	N		BKR 15-7	H	Y	NV	*	NE-40006-54 REV KL
PNL 132-7	SQ D	FA	CONT	N		274-051	H	Y	CA	*	NE-40013-22 REV M
PNL 133-7	SQ D	FA	CONT	N		174-051	N	Y	CA	*	NE-40013-27 REV C
PNL 134-1	SQ D	FA	CONT	N		045-271	N	Y	CA	*	NE-40013-29 REV B
PNL 134-5	SQ D	FA	CONT	N		074-031 074-032	N N	Y Y	CA CA	* *	NE-40013-30 REV C NE-40013-30 REV C
PNL 135-1	SQ D	FA	CONT	N		045-273	N	Y	CA	*	NE-40013-36 REV B
PNL 135-5	SQ D	FA	CONT	N		074-033 074-034	N N	Y Y	CA CA	* *	NE-40013-37 REV C NE-40013-37 REV C
PNL 136-1	SQ D	FA	CONT	N		045-301	N	Y	CA	*	NE-40013-43 REV K
PNL 137-1	SQ D	FA	CONT	N		045-302	N	Y	CA	*	NE-40013-46 REV H
PYR/12CLP*	UNSPECIFIED	*	INST	N		145-392	N	Y	CA	*	NE-40009-70 REV CY, NE-40009-71 REV TT
PYR/22CLP*	UNSPECIFIED	*	INST	N		245-392	N	Y	CA	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
R1/111C-21	WEST	BF11F	RLY	N		158-011	N	Y	CA	*	NE-40008-30 REV Q, NE-40008-31 REV Y



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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel Number	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Reference..... Drawing(s).....
R2/111C-10	SQ D	PO-GX	RLY	N		067-011 SV-33133	N N	Y Y	CA CA	* *	NE-40008-26 REV BT NE-40008-26 REV BT
R4/121C-22	WEST	BF11F	RLY	N		258-012	N	Y	CA	*	NE-40008-95 REV GG, NE-40008-96 REV RS
R9/121C-9	SQ D	PO-GX	RLY	N		067-012 SV-33134	N N	Y Y	CA CA	* *	NE-40008-93 REV Y NE-40008-93 REV Y
SDR/D1	CLARK	PM/4U6	RLY	N	034-011	034-011	Y	Y	GERS	N	NE-40009-74 REV CW, NE-40009-73 REV CZ, NE-40009-72 REV CY, NE-40006-81 REV WW
SDR/D2	CLARK	PM/4U6	RLY	N	034-021	034-021	Y	Y	GERS	N	NE-40009-82 REV CU, NE-40009-81 REV DA, NE-40009-80 REV CZ, NE-40006-73 REV XY
SLA/D1	CLARK	PM	RLY	N	D1	034-011	N	Y	CA	*	NE-40009-72 REV CY, NE-40009-73 REV CZ, NE-40910-22 REV AC, NE-40415-21 REV W
SLA/D2	CLARK	PM	RLY	N		034-021	N	Y	CA	*	NE-40009-80 REV CZ, NE-40009-81 REV DA, NE-40910-22 REV AC
SV-37035	TARGET ROCK	80B-001	OP	N		SV-37035	N	Y	NV	*	NE-40009-175 REV B
SV-37036	TARGET ROCK	80B-001	OP	N		SV-37036	N	Y	NV	*	NE-40009-176 REV B
SV-37037	TARGET ROCK	80B-001	OP	N		SV-37037	N	Y	NV	*	NE-40009-175 REV B
SV-37038	TARGET ROCK	80B-001	OP	N		SV-37038	N	Y	NV	*	NE-40009-176 REV B
SV-37039	TARGET ROCK	80B-001	OP	N		SV-37039	N	Y	NV	*	NE-40009-175 REV B
SV-37040	TARGET ROCK	80B-001	OP	N		SV-37040	N	Y	NV	*	NE-40009-176 REV B
SV-37091	TARGET ROCK	80B-001-	OP	N		SV-37091	N	Y	NV	*	NF-40781-5 REF F, NF-40653-4 REV Q
SV-37092	TARGET ROCK	80B-001-	OP	N		SV-37092	N	Y	NV	*	NF-40781-5 REV F, NF-40660-3 REV J
SV-37093	TARGET ROCK	80B-001-	OP	N		SV-37093	N	Y	NV	*	NF-40781-5 REV F,

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Reference..... Drawing(s).....
											NF-40653-4 REV J
SV-37094	TARGET ROCK	80B-001-	OP	N		SV-37094	N	Y	NV	*	NF-40781-5 REV F, NF-40660-3 REV J
SV-37095	TARGET ROCK	80B-001-	OP	N		SV-37095	N	Y	NV	*	NF-40781-5 REV F, NF-40653-4 REV Q
SV-37096	TARGET ROCK	80B-001-	OP	N		SV-37096	N	Y	NV	*	NF-40781-5 REV F, NF-40660-3 REV J
SW 7030038	SUPERIOR SWCHBD	2597F	CS	N		145-392	N	Y	NV	*	NE-40009-70 REV CY
SW 7035038	SUPERIOR SWCHBD	2597F	CS	N		245-392	N	Y	NV	*	NE-40009-71.1 REV CY, NE-40009-71.2 REV QQ
T3A/D1	AGASTAT	E7012	RLY	N	034-011	034-011	Y	Y	GERS	N	NE-40009-73 REV DA, NE-40009-74 REV CW
T3A/D2	AGASTAT	E7012PD	RLY	N	034-021	034-021	Y	Y	GERS	N	NE-40009-81 REV DA, NE-40009-82 REV CU
T3B/D1	AGASTAT	E7012	RLY	N	034-011	034-011	Y	Y	GERS	N	NE-40009-73 REV DA, NE-40009-74 REV CW
T3B/D2	AGASTAT	E7012PD	RLY	N	034-021	034-021	Y	Y	GERS	N	NE-40009-81 REV DA, NE-40009-82 REV CU
TD2/D1	AGASTAT	E7012PD	RLY	N	034-011	034-011	Y	Y	GERS	N	NE-40009-72 REV CY, NE-40009-74 REV CW
TD2/D2	AGASTAT	E7012PD	RLY	N	034-021	034-021	Y	Y	GERS	N	NE-40009-80 REV CZ, NE-40009-82 REV CU

1786 records listed.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason.	Outlier...	Remarks.....
1LC-427B-X	WEST	BF-66F	RLY	N	1AMR1	BKR 112C	Y	N	CR	Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
						BKR 122C CV-31226	Y N	N Y	CR CA	Y *	
1LC-428B-X	WEST	BF-66F	RLY	N	1AMR1	BKR 112C	Y	N	CR	Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
						BKR 122C	Y	N	CR	Y	
1LC-428D-X	WEST	BF-66F	RLY	N	1AMR1	BKR 112C	Y	N	CR	Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
						BKR 122C CV-31255	Y N	N Y	CR CA	Y *	
1PC-431E-X	WEST	BF-66F	RLY	N	1AMR1	BKR 112C	Y	N	CR	Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
						BKR 122C	Y	N	CR	Y	
1C1A	WEST	MG-6	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	ASSUMES 80ms ADJUSTMENT TIME. RELAY NORMALLY DEENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY OPEN (SHELF STATE). ANSI SHAPE.
1PC-429C-XA	WEST	BF-46F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-431G-XA	WEST	BF-46F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model.... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
1PC-468A-XA	WEST	BF-46F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	SHAPE.  RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-478A-XA	WEST	BF-46F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-482A-XA	WEST	BF-48F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-483A-XA	WEST	BF-48F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-945A-XA	WEST	BF-46F	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1S1A-A2	WEST	MG-6	RLY	N	1ASG1	MV-32166	Y	Y	GERS	N	ASSUMES 80ms ADJUSTMENT TIME. RELAY NORMALLY DEENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY OPEN (SHELF STATE). ANSI SHAPE.
1C1-10X	WEST	BFD-48S	RLY	N	1ASG2	1C1-10X	N	Y	CA	*	MOST CONSERVATIVE

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel Number	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
											CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
						MV-32166	Y	Y	GERS	N	
						MV-32400	N	Y	CA	*	
1PC-430E-XA	WEST	BF-46F	RLY	N	1ASG2	MV-32166	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-469A-XA	WEST	BF-48F	RLY	N	1ASG2	MV-32166	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-479A-XA	WEST	BF-48F	RLY	N	1ASG2	MV-32166	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE), ANSI SHAPE.
1PC-947A-XA	WEST	BF-46F	RLY	N	1ASG2	MV-32166	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-949A-XA	WEST	BF-48F	RLY	N	1ASG2	MV-32166	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1SI-15X	WEST	BFD-120S	RLY	N	1ASG2	MV-32166	Y	Y	GERS	N	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
1C1B	WEST	MG-6	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	ASSUMES 80ms

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
1PC-429C-XB	WEST	BF-46F	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	ADJUSTMENT TIME. RELAY NORMALLY DEENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY OPEN (SHELF STATE). ANSI SHAPE.
1PC-431G-XB	WEST	BF-46F	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-468A-XB	WEST	BF-46F	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-478A-XB	WEST	BF-46F	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-482A-XB	WEST	BF-48F	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-483A-XB	WEST	BF-48F	RLY	N	1BSG1	MV-32199	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
1PC-945A-XB	WEST	BF-46F	RLY	N	1BSG1	MV-32199	Y	Y	GERS N	(SHELF STATE). ANSI SHAPE.  RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1S1A-B2	WEST	MG-6	RLY	N	1BSG1	MV-32199	Y	Y	GERS N	ASSUMES 80ms ADJUSTMENT TIME. RELAY NORMALLY DEENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY OPEN (SHELF STATE). ANSI SHAPE.
1C1-20X	WEST	BFD-48S	RLY	N	1BSG2	MV-32199	Y	Y	GERS N	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
1PC-430E-XB	WEST	BF-46F	RLY	N	1BSG2	MV-32199	Y	Y	GERS N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-469A-XB	WEST	BF-48F	RLY	N	1BSG2	MV-32199	Y	Y	GERS N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-479A-XB	WEST	BF-48F	RLY	N	1BSG2	MV-32199	Y	Y	GERS N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1PC-947A-XB	WEST	BF-46F	RLY	N	1BSG2	MV-32199	Y	Y	GERS N	RELAY NORMALLY ENERGIZED, ESSENTIAL

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model.... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
1PC-949A-XB	WEST	BF-48F	RLY	N	1BSG2	MV-32199	Y	Y	GERS N	CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
1SI-25X	WEST	BFD-120S	RLY	N	1BSG2	MV-32199	Y	Y	GERS N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2LC-427B-X	WEST	BF-66F	RLY	N	2AMR1	BKR 212C	Y	N	CR Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
2LC-428B-X	WEST	BF-66F	RLY	N	2AMR1	BKR 212C	Y	N	CR Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
2LC-428D-X	WEST	BF-66F	RLY	N	2AMR1	BKR 212C	Y	N	CR Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
2PC-431E-X	WEST	BF-66F	RLY	N	2AMR1	BKR 212C	Y	N	CR Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
2CIA	WEST	MG-6	RLY	N	2ASG1	MV-32194	Y	Y	GERS N	ASSUMES 80ms ADJUSTMENT TIME. RELAY NORMALLY DEENERGIZED,



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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
2PC-429C-XA	WEST	BF-46F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	ESSENTIAL CONTACTS ARE NORMALLY OPEN (SHELF STATE). ANSI SHAPE.  RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-431G-XA	WEST	BF-46F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-468A-XA	WEST	BF-46F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-478A-XA	WEST	BF-46F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-482A-XA	WEST	BF-48F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-483A-XA	WEST	BF-48F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model.... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
2PC-945A-XA	WEST	BF-46F	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2S1A-A2	WEST	MG-6	RLY	N	2ASG1	MV-32194	Y	Y	GERS	N	ASSUMES 80ms ADJUSTMENT TIME. RELAY NORMALLY DEENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY OPEN (SHELF STATE). ANSI SHAPE.
2C1-10X	WEST	BFD-48S	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
						MV-32406	N	Y	CA	*	
2PC-430E-XA	WEST	BF-46F	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-469A-XA	WEST	BF-48F	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-479A-XA	WEST	BF-48F	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-947A-XA	WEST	BF-46F	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
2PC-949A-XA	WEST	BF-48F	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	(SHELF STATE). ANSI SHAPE.  RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2SI-15X	WEST	BFD-120S	RLY	N	2ASG2	MV-32194	Y	Y	GERS	N	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
2C1B	WEST	MG-6	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	ASSUMES 80ms ADJUSTMENT TIME. RELAY NORMALLY DEENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY OPEN (SHELF STATE). ANSI SHAPE.
2PC-429C-XB	WEST	BF-46F	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-431G-XB	WEST	BF-46F	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-468A-XB	WEST	BF-46F	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-478A-XB	WEST	BF-46F	RLY	N	2BSG1	MV-32210	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
2PC-482A-XB	WEST	BF-48F	RLY	N	2BSG1	MV-32210	Y	Y	GERS N	CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.  RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-483A-XB	WEST	BF-48F	RLY	N	2BSG1	MV-32210	Y	Y	GERS N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-945A-XB	WEST	BF-46F	RLY	N	2BSG1	MV-32210	Y	Y	GERS N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2S1A-B2	WEST	MG-6	RLY	N	2BSG1	MV-32210	Y	Y	GERS N	ASSUMES 80ms ADJUSTMENT TIME. RELAY NORMALLY DEENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY OPEN (SHELF STATE). ANSI SHAPE.
2C1-20X	WEST	BFD-48S	RLY	N	2BSG2	MV-32210	Y	Y	GERS N	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
2PC-430E-XB	WEST	BF-46F	RLY	N	2BSG2	MV-32210	Y	Y	GERS N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason.	Outlier...	Remarks.....
2PC-469A-XB	WEST	BF-48F	RLY	N	2BSG2	MV-32210	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-479A-XB	WEST	BF-48F	RLY	N	2BSG2	MV-32210	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-947A-XB	WEST	BF-46F	RLY	N	2BSG2	MV-32210	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2PC-949A-XB	WEST	BF-48F	RLY	N	2BSG2	MV-32210	Y	Y	GERS	N	RELAY NORMALLY ENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY CLOSED (SHELF STATE). ANSI SHAPE.
2S1-25X	WEST	BFD-120S	RLY	N	2BSG2	MV-32210	Y	Y	GERS	N	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
16143	UNITED ELECTRIC	J300-441	INST	N	034-011	034-011	Y	Y	NV	N	THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason.	Outlier...	Remarks.....
16206	ALLEN BRADLEY	837-V3J	INST	N	034-011	034-011	Y	Y	NV	N	RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
23X/16206	CLARK	PM/4U2	RLY	N	034-011	034-011	Y	Y	GERS	N	THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
28247	SYNCHRO-START	ESSB-2AT	INST	N	034-011	034-011	Y	Y	NV	N	MOST CONSERVATIVE GERS VALUES UTILIZED FOR SEISMIC CAPACITY. GERS SHAPE.
											THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel Relay.....	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
4A/D1	CLARK	PM/4U2	RLY	N	034-011	034-011	Y	Y	GERS	N	CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
4B/D1	CLARK	PM/4U2	RLY	N	034-011	034-011	Y	Y	GERS	N	MOST CONSERVATIVE GERS VALUES UTILIZED FOR SEISMIC CAPACITY. GERS SHAPE.
5/D1	AGASTAT	2412PD	RLY	N	034-011	034-011	Y	Y	GERS	N	MOST CONSERVATIVE GERS VALUES UTILIZED FOR SEISMIC CAPACITY. GERS SHAPE.
5A/D1*	UNSPECIFIED	*	RLY	N	034-011	034-011	Y	Y	NV	N	ANSI SHAPE.  THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason.	Outlier... Code...	Remarks.....
5B/D1*	UNSPECIFIED	*	RLY	N	034-011	034-011	Y	Y	NV	N	DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
62X/D1	CLARK	PM/4U2	RLY	N	034-011	034-011	Y	Y	GERS	N	THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
63X/16143	CLARK	PM/4U3	RLY	N	034-011	034-011	Y	Y	GERS	N	MOST CONSERVATIVE GERS VALUES UTILIZED FOR SEISMIC CAPACITY. GERS SHAPE.
											MOST CONSERVATIVE GERS VALUES UTILIZED FOR SEISMIC CAPACITY. GERS



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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason.	Outlier...	Remarks.....
63X/55011	CLARK	PM	RLY	N	034-011	034-011	Y	Y	NV	N	SHAPE.  THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
LSR/D1	CLARK	PM	RLY	N	034-011	034-011	Y	Y	NV	N	THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason.	Outlier...	Remarks.....
											EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
SDR/D1	CLARK	PM/4U6	RLY	N	034-011	034-011	Y	Y	GERS	N	MOST CONSERVATIVE GERS VALUES UTILIZED FOR SEISMIC CAPACITY. GERS SHAPE.
T3A/D1	AGASTAT	E7012	RLY	N	034-011	034-011	Y	Y	GERS	N	ANSI SHAPE.
T3B/D1	AGASTAT	E7012	RLY	N	034-011	034-011	Y	Y	GERS	N	ANSI SHAPE.
TD2/D1	AGASTAT	E7012PD	RLY	N	034-011	034-011	Y	Y	GERS	N	ANSI SHAPE.
16144	UNITED ELECTRIC	J300-441	INST	N	034-021	034-021	Y	Y	NV	N	THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
16207	ALLEN BRADLEY	837-V3J	INST	N	034-021	034-021	Y	Y	NV	N	THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model.... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
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										CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
23X/16207	CLARK	PM/4U2	RLY	N	034-021	034-021	Y	Y	GERS N	MOST CONSERVATIVE GERS VALUES UTILIZED FOR SEISMIC CAPACITY. GERS SHAPE.
28248	SYNCHRO-START	ESSB-2AT	INST	N	034-021	034-021	Y	Y	NV N	THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
4A/D2	CLARK	PM/4U2	RLY	N	034-021	034-021	Y	Y	GRS	N	REFERENCE EXAMPLE B-69 OF EPRI NP-7148.  MOST CONSERVATIVE GRS VALUES UTILIZED FOR SEISMIC CAPACITY. GRS SHAPE.
4B/D2	CLARK	PM/4U2	RLY	N	034-021	034-021	Y	Y	GRS	N	MOST CONSERVATIVE GRS VALUES UTILIZED FOR SEISMIC CAPACITY. GRS SHAPE.
5/D2	AGASTAT	2422PF	RLY	N	034-021	034-021	Y	Y	GRS	N	SEISMIC CAPACITY FOR NON-OPERATE MODE. ANSI SHAPE.
5A/D2*	UNSPECIFIED	*	RLY	N	034-021	034-021	Y	Y	NV	N	THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIP: CATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
5B/D2*	UNSPECIFIED	*	RLY	N	034-021	034-021	Y	Y	NV	N	THIS DEVICE IS MOUNTED ON THE

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model.... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
62X/D2	CLARK	PM/4U2	RLY	N	034-021	034-021	Y	Y	GRS N	DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPR1 NP-7148.
63X/16144	CLARK	PM/4U3	RLY	N	034-021	034-021	Y	Y	GRS N	MOST CONSERVATIVE GRS VALUES UTILIZED FOR SEISMIC CAPACITY. GRS SHAPE.
63X/55511	CLARK	PM	RLY	N	034-021	034-021	Y	Y	NV N	MOST CONSERVATIVE GRS VALUES UTILIZED FOR SEISMIC CAPACITY. GRS SHAPE.
										THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
LSR/D2	CLARK	PML	RLY	N	034-021	034-021	Y	Y	NV	N	RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
SDR/D2	CLARK	PM/4U6	RLY	N	034-021	034-021	Y	Y	GERS	N	THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
T3A/D2	AGASTAT	E7012PD	RLY	N	034-021	034-021	Y	Y	GERS	N	MOST CONSERVATIVE GERS VALUES UTILIZED FOR SEISMIC CAPACITY. GERS SHAPE.
T3B/D2	AGASTAT	E7012PD	RLY	N	034-021	034-021	Y	Y	GERS	N	ANSI SHAPE.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
TD2/D2	AGASTAT	E7012PD	RLY	N	034-021	034-021	Y	Y	GERS	N	ANSI SHAPE.
26X/112G-1A	KLOCKNER-MOELLER	CR7	RLY	N	075-011	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
26X/112G-1C	KLOCKNER-MOELLER	CR9	RLY	N	075-011	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
4X/112G-1	FURNAS ELEC	CR10	RLY	N	075-011	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
63X/112G-1	KLOCKNER-MOELLER	CR8	RLY	N	075-011	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
26X/122G-1A	KLOCKNER-MOELLER	CR7	RLY	N	075-012	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
26X/122G-1C	KLOCKNER-MOELLER	CR9	RLY	N	075-012	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
4X/122G-1	FURNAS ELEC	CR10	RLY	N	075-012	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
63X/122G-1	KLOCKNER-MOELLER	CR8	RLY	N	075-012	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
55011	CONSOL CONTROLS	21A	INST	N	55000 (ON 034-011)	034-011	Y	Y	NV	N	THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
55012	ALLEN BRADLEY	836T-T252J	INST	N	55000 (ON 034-011)	034-011	Y	Y	NV	N	THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
67/D1	GE	GGP53B	RLY	N	55300	034-011	Y	Y	GRS N	AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-7148.
67X/D1	GE	*	RLY	N	55300	034-011	Y	N	CR Y	MODEL NUMBER UNAVAILABLE FOR RELAY, THEREFORE OUTLIER CLASSIFICATION ASSIGNED.
86/D1	GE	12HEA63C	RLY	N	55300	034-011	Y	N	CR Y	NO APPLICABLE GERS.
MCA/D1	CLARK	PM/4U8	RLY	N	55300	034-011	Y	Y	GRS N	MOST CONSERVATIVE GERS VALUES UTILIZED FOR SEISMIC CAPACITY. GERS SHAPE.
431X/D1	AGASTAT	EGPD002	RLY	N	55410	034-011	Y	N	CR Y	ANSI SHAPE.
431XX/D1	AGASTAT	EGPD002	RLY	N	55410	034-011	Y	N	CR Y	ANSI SHAPE.
431XXX/D1	AGASTAT	EGPD002	RLY	N	55410	034-011	Y	N	CR Y	ANSI SHAPE.



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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model.... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
431XXXX/D1	WEST	NBFD-48S	RLY	N	55410	034-011	Y	Y	GERS	N	ANSI SHAPE.
55511	CONSOL CONTROLS 21A		INST	N	55500 (ON 034-021)	034-021	Y	Y	NV	N	THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY EVALUATION. REFERENCE EXAMPLE B-69 OF EPRI NP-714B.
55512	CONSOL CONTROLS 21A		INST	N	55500 (ON 034-021)	034-021	Y	Y	NV	N	THIS DEVICE IS MOUNTED ON THE DIESEL ENGINE SKID AND CAN BE EVALUATED AS NON-VULNERABLE TO CONTACT CHATTER PER SQUG BULLETIN BOARD MESSAGES #4752 AND #4791 BETWEEN JONHOOK AND BETLACK DATED OCT. 20, 1994 AND NOV. 1, 1994 RESPECTIVELY. DEVICES MOUNTED ON RECIPROCATING ENGINES THAT ROUTINELY SEE HIGH VIBRATION DUE TO OPERATION DO NOT REQUIRE RELAY

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
67/D2	GE	GGP53B	RLY	N	55800	034-021	Y	Y	GERS	N	EVALUATION. REFERENCE EXAMPLE B-69 OF EPR1 NP-714B.  MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. ANSI SHAPE.
67X/D2	GE	*	RLY	N	55800	034-021	Y	N	CR	Y	MODEL NUMBER UNAVAILABLE FOR RELAY, THEREFORE OUTLIER CLASSIFICATION ASSIGNED.
86/D2	GE	12HEA63C	RLY	N	55800	034-021	Y	N	CR	Y	NO APPLICABLE GERS.
MCA/D2	CLARK	PM/4UB	RLY	N	55800	034-021	Y	Y	GERS	N	MOST CONSERVATIVE GERS VALUES UTILIZED FOR SEISMIC CAPACITY, GERS SHAPE.
5730303	WHITE-RODGERS	1609-96	INST	N	57303	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
5730304	WHITE-RODGERS	1541-5	INST	N	57303	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
5730305	WHITE-RODGERS	11B06	INST	N	57303	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
5730315	MARSHALL	3DFM	INST	N	57303	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
5730403	WHITE-RODGERS	1609-96	INST	N	57304	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
5730404	WHITE-RODGERS	1541-5	INST	N	57304	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
5730405	WHITE-RODGERS	11B06	INST	N	57304	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
5730411	MARSHALL	3DFM	INST	N	57304	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
12X/12CLP	ALLEN BRADLEY	700DC-N400	RLY	N	70300	145-392	Y	Y	GERS	N	GERS SHAPE.
15X/12CLP	PANALARM	WB-2	RLY	N	70300	145-392	Y	N	CR	Y	NO APPLICABLE GERS.
19Y/12CLP	ALLEN BRADLEY	700DC-N600	RLY	N	70300	145-392	Y	Y	GERS	N	GERS SHAPE.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
2-1/12CLP	ALLEN BRADLEY	700DC-NT300	RLY	N	70300	145-392	Y	Y	GERS	N	GERS SHAPE.
2-3/12CLP	AGASTAT	2412PE	RLY	N	70300	145-392	Y	Y	GERS	N	ANSI SHAPE.
2-3X/12CLP	ALLEN BRADLEY	700DC-NT300	RLY	N	70300	145-392	Y	Y	GERS	N	GERS SHAPE.
5/12CLP	ALLEN BRADLEY	700DC-N600	RLY	N	70300	145-392	Y	Y	GERS	N	GERS SHAPE.
62/12CLP	ALLEN BRADLEY	700DC-NT300	RLY	N	70300	145-392	Y	Y	GERS	N	GERS SHAPE.
12X/22CLP	ALLEN BRADLEY	700DC-N400	RLY	N	70350	245-392	Y	Y	GERS	N	GERS SHAPE.
15X/22CLP	PANALARM	WB-2	RLY	N	70350	245-392	Y	N	CR	Y	NO APPLICABLE GERS.
19Y/22CLP	ALLEN BRADLEY	700DC-N600	RLY	N	70350	245-392	Y	Y	GERS	N	GERS SHAPE.
2-1/22CLP	ALLEN BRADLEY	700DC-NT300	RLY	N	70350	245-392	Y	Y	GERS	N	GERS SHAPE.
2-3/22CLP	AGASTAT	2412PE	RLY	N	70350	245-392	Y	Y	GERS	N	ANSI SHAPE.
2-3X/22CLP	ALLEN BRADLEY	700DC-NT300	RLY	N	70350	245-392	Y	Y	GERS	N	GERS SHAPE.
5/22CLP	ALLEN BRADLEY	700DC-N600	RLY	N	70350	245-392	Y	Y	GERS	N	GERS SHAPE.
62/22CLP	ALLEN BRADLEY	700DC-NT300	RLY	N	70350	245-392	Y	Y	GERS	N	GERS SHAPE.
86/112C	ASEA BRN BOVERI	RXMS1	RLY	N	AUX RELAY CAB 1203	BKR 112C	Y	N	CR	Y	NO APPLICABLE GERS.
86/122C	ASEA BRN BOVERI	RXMS1	RLY	N	AUX RELAY CAB 1203	BKR 122C	Y	N	CR	Y	NO APPLICABLE GERS.
27A-DV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27A-LV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27A-UV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
27B-DV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	QUALIFIED CLASS 1E, IEEE-344.  THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27B-LV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27B-UV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27CT/B15 SEQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BKR 16-8	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27R-DV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27R-LV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27R-UV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27RY/B15 SEQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BKR 15-3	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
27S-DV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.  THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27S-LV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27S-UV/B15 S EQ	ASEA BRN BOVERI	27N	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
4X/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52C-CTX/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	BKR 15-7	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52C-DGX/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52C-RYX/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	BKR 15-3	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52LR-2X/B15	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD	BKR 112C	Y	Y	OTHER(I N	THE LOAD SEQUENCER

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model.... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
SEQ					SEQ				EEE)	(AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52P-4X/B15 S EQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	174-011	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						174-013	Y	Y	OTHER(I N EEE)	
52P-6X/B15 S EQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	BKR 112C	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52P-7X/B15 S EQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	045-591	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52T-DGX/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52T-OSX/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	BKR 15-3	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 15-7	Y	Y	OTHER(I N EEE)	
						BKR 15-8	Y	Y	OTHER(I N EEE)	
52Z/B15 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 15-3	Y	Y	OTHER(I N	

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
						BKR 15-7	Y	Y	EEE) OTHER(I N EEE)	
83X-27AS/B15 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27BR/B15 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27CT/B15 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B15 LOAD SEQ	BKR 16-8	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27RY/B15 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B15 LOAD SEQ	BKR 15-3	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27JV/B15 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-52C/B15 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 15-3	Y	Y	OTHER(I N EEE)	
						BKR 15-7	Y	Y	OTHER(I N EEE)	
83X-52PX/B15 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B15 LOAD SEQ	174-011	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model.... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
						174-013	Y	Y	OTHER(I N EEE)	QUALIFIED CLASS 1E, IEEE-344.
83X-52PY/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	045-591	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-52T/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 15-3	Y	Y	OTHER(I N EEE)	
						BKR 15-7	Y	Y	OTHER(I N EEE)	
						BKR 15-8	Y	Y	OTHER(I N EEE)	
83X-52TT/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 15-3	Y	Y	OTHER(I N EEE)	
						BKR 15-7	Y	Y	OTHER(I N EEE)	
						BKR 15-8	Y	Y	OTHER(I N EEE)	
83X-LR1Y/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	034-011	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-LR2X/B15 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B15 LOAD SEQ	BKR 112C	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.



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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
83X-LV-AS/B1 5 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-LV-BR/B1 5 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B15 LOAD SEQ	BUS 15	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
4/DG1-15	CLARK	PM	RLY	N	B15 LOGIC RELAY CAB. 1	034-011	Y	N	CR Y	NO APPLICABLE GERS.
27A-DV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27A-LV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27A-UV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27B-DV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27B-LV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27B-UV/B16 S	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD	BUS 16	Y	Y	OTHER(I N	THE LOAD SEQUENCER

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
EQ					SEQ				EEE)	(AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27CT/B16 SEQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BKR 16-8	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27R-DV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27R-LV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27R-UV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27RY/B16 SEQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BKR 15-3	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27S-DV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27S-LV/B16 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged, Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
27S-UV/B16 S EQ	ASEA BRN BOVERI	27N	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
4X/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	034-021	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52C-CTX/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	BKR 16-8	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52C-RYX/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	BFR 16-2	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52LR-2X/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	BKR 122C	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52P-4X/B16 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	174-012	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						174-014	Y	Y	OTHER(I N EEE)	
52P-5X/B16 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	145-331	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52P-6X/B16 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	BKR 122C	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
52P-7X/B16 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	045-592	Y	Y	OTHER(I N EEE)	QUALIFIED CLASS 1E, IEEE-344.  THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52T-DGX/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	034-021	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52T-OSX/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	BKR 16-10	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 16-2	Y	Y	OTHER(I N EEE)	
						BKR 16-8	Y	Y	OTHER(I N EEE)	
52Z/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	034-021	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 16-2	Y	Y	OTHER(I N EEE)	
						BKR 16-8	Y	Y	OTHER(I N EEE)	
83X-27AS/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27BR/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
83X-27CT/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	BKR 16-8	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27RY/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	BKR 15-3	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27JV/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-52C/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	034-021	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 16-2	Y	Y	OTHER(I N EEE)	
						BKR 16-8	Y	Y	OTHER(I N EEE)	
83X-52PX/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	174-012	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						174-014	Y	Y	OTHER(I N EEE)	
83X-52PY/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	045-592	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-52T/B16 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B16 LOAD SEQ	034-021	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
						BKR 16-10	Y	Y	OTHER(I N EEE)	
						BKR 16-2	Y	Y	OTHER(I N EEE)	
						BKR 16-8	Y	Y	OTHER(I N EEE)	
83X-52TT/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	034-021	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 16-10	Y	Y	OTHER(I N EEE)	
						BKR 16-2	Y	Y	OTHER(I N EEE)	
						BKR 16-8	Y	Y	OTHER(I N EEE)	
83X-LR1Y/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	034-021	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						145-331	Y	Y	OTHER(I N EEE)	
83X-LR2X/B16 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	BKR 122C	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-LV-AS/B1 6 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-LV-BR/B1 6 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B16 LOAD SEQ	BUS 16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
86/212C	ASEA BRN BOVERI	RXMS1	RLY	N	B25 AUX RELAY CAB	BKR 212C	Y	Y	OTHER(I N EEE)	D5/D6 BUILDING WAS INSTALLED PER RECENT

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model.... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier... Code...	Remarks.....
											STATION BLACKOUT MODIFICATIONS. SAFETY RELATED ELECTRICAL EQUIPMENT WAS QUALIFIED CLASS 1E, IEEE-344.
27A-DV/B25 S EQ	ASEA BRN BOVERI	27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27A-LV/B25 S EQ	ASEA BRN BOVERI	27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27A-UV/B25 S EQ	ASEA BRN BOVERI	27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27B-DV/B25 S EQ	ASEA BRN BOVERI	27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27B-LV/B25 S EQ	ASEA BRN BOVERI	27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27B-UV/B25 S EQ	ASEA BRN BOVERI	27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27CT/B25 SEQ	ASEA BRN BOVERI	27N	RLY	N	B25 LOAD SEQ	BKR 25-5	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E,

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
27R-DV/B25 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		IEEE-344.  THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27R-LV/B25 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27R-UV/B25 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27RY/B25 SEQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27S-DV/B25 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27S-LV/B25 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27S-UV/B25 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52C-CTX/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN



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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
						BKR 25-2	Y	Y	OTHER(I N EEE)	QUALIFIED CLASS 1E, IEEE-344.
						BKR 25-5	Y	Y	OTHER(I N EEE)	
52C-DGX/B25 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 25-2	Y	Y	OTHER(I N EEE)	
						BKR 25-5	Y	Y	OTHER(I N EEE)	
52C-RYX/B25 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 25-2	Y	Y	OTHER(I N EEE)	
						BKR 25-5	Y	Y	OTHER(I N EEE)	
52LR-1X/B25 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	245-331	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52LR-2X/B25 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	BKR 211D	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 212C	Y	Y	OTHER(I N EEE)	
52P-4X/B25 S EQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	274-011	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						274-013	Y	Y	OTHER(I N EEE)	

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
									EEE)	
52P-5X/B25 S EQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	245-331	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52P-6X/B25 S EQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 211D  BKR 212C	Y  Y	Y  Y	OTHER(I N EEE)  OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52P-7X/B25 S EQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	045-591	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52T-DGX/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-2	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52T-OSX/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16  BKR 25-17 BKR 25-5	Y  Y Y	Y  Y Y	OTHER(I N EEE)  OTHER(I N EEE) OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52Z/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16  BKR 25-2 BKR 25-5	Y  Y Y	Y  Y Y	OTHER(I N EEE)  OTHER(I N EEE) OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
83X-27AS/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27BR/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27CT/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-5	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27RY/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27UV/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-52C/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 25-2	Y	Y	OTHER(I N EEE)	
						BKR 25-5	Y	Y	OTHER(I N EEE)	
83X-52PX/B25 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B25 LOAD SEQ	274-011	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						274-013	Y	Y	OTHER(I N EEE)	

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model.... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
83X-52PY/B25 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B25 LOAD SEQ	045-591	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-52T/B25 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 25-17	Y	Y	OTHER(I N EEE)	
						BKR 25-2	Y	Y	OTHER(I N EEE)	
						BKR 25-5	Y	Y	OTHER(I N EEE)	
83X-52TT/B25 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B25 LOAD SEQ	BKR 25-16	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 25-17	Y	Y	OTHER(I N EEE)	
						BKR 25-2	Y	Y	OTHER(I N EEE)	
						BKR 25-5	Y	Y	OTHER(I N EEE)	
83X-LR1Y/B25 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B25 LOAD SEQ	245-331	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-LR2X/B25 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B25 LOAD SEQ	BKR 211D	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 212C	Y	Y	OTHER(I N EEE)	
83X-LV-AS/B2 5 SEQ	ASEA BRN BOVERI	RXXMH2	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model.... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
83X-LV-BR/B2 5 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B25 LOAD SEQ	BUS 25	Y	Y	OTHER(I N EEE)	QUALIFIED CLASS 1E, IEEE-344.  THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
86/222C	ASEA BRN BOVERI	RXMS1	RLY	N	B26 AUX RELAY CAB	BKR 222C	Y	Y	OTHER(I N EEE)	D5/D6 BUILDING WAS INSTALLED PER RECENT STATION BLACKOUT MODIFICATIONS. SAFETY RELATED ELECTRICAL EQUIPMENT WAS QUALIFIED CLASS 1E, IEEE-344.
27A-DV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27A-LV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27A-UV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27B-DV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27B-LV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
27B-UV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27CT/B26 SEQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BKR 26-13	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27R-DV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27R-LV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27R-UV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27RY/B26 SEQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BKR 26-2	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27S-DV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
27S-LV/B26 S EQ	ASEA BRN BOVERI	27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
27S-UV/B26 S EQ	ASEA BRN	BOVERI 27N	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52C-CTX/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-13	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 26-16	Y	Y	OTHER(I N EEE)	
						BKR 26-2	Y	Y	OTHER(I N EEE)	
52C-DGX/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-13	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 26-16	Y	Y	OTHER(I N EEE)	
						BKR 26-2	Y	Y	OTHER(I N EEE)	
52C-RYX/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-13	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 26-16	Y	Y	OTHER(I N EEE)	
						BKR 26-2	Y	Y	OTHER(I N EEE)	
52LR-2X/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 221D	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 222C	Y	Y	OTHER(I N EEE)	
52P-4X/B26 S EQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	274-012	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN

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						274-014	Y	Y	OTHER(I N EEE)		QUALIFIED CLASS 1E, IEEE-344.
52P-6X/B26 S EQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 2210	Y	Y	OTHER(I N LEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 222C	Y	Y	OTHER(I N EEE)		
52P-7X/B26 S EQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	045-592	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52T-DGX/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-16	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
52T-OSX/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-1	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 26-13	Y	Y	OTHER(I N EEE)		
						BKR 26-2	Y	Y	OTHER(I N EEE)		
52Z/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-13	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 26-16	Y	Y	OTHER(I N EEE)		
						BKR 26-2	Y	Y	OTHER(I N EEE)		
83X-27AS/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)		THE LOAD SEQUENCER (AND ALL INTERNAL



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83X-27BR/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.  THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27CT/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-13	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27RY/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-2	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-27JV/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-52C/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	83X-52C/B26 SEQ	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 26-13	Y	Y	OTHER(I N EEE)	
						BKR 26-16	Y	Y	OTHER(I N EEE)	
83X-52PX/B26 SEQ	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD SEQ	274-012	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						274-014	Y	Y	OTHER(I N EEE)	
83X-52PY/B26	ASEA BRN	BOVERI RXMH2	RLY	N	B26 LOAD	045-592	Y	Y	OTHER(I N	THE LOAD SEQUENCER

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SEQ					SEQ				EEE)	(AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-52T/B26 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-1	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 26-13	Y	Y	OTHER(I N EEE)	
						BKR 26-16	Y	Y	OTHER(I N EEE)	
						BKR 26-2	Y	Y	OTHER(I N EEE)	
83X-52T/B26 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B26 LOAD SEQ	BKR 26-1	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 26-13	Y	Y	OTHER(I N EEE)	
						BKR 26-16	Y	Y	OTHER(I N EEE)	
						BKR 26-2	Y	Y	OTHER(I N EEE)	
83X-LR2X/B26 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B26 LOAD SEQ	BKR 221D	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
						BKR 222C	Y	Y	OTHER(I N EEE)	
83X-LV-AS/B2 6 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
83X-LV-BR/B2 6 SEQ	ASEA BRN BOVERI	RXMH2	RLY	N	B26 LOAD SEQ	BUS 26	Y	Y	OTHER(I N EEE)	THE LOAD SEQUENCER (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E,

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
										IEEE-344.
50G/15-2	WEST	SC(1876046)	RLY	Y	BUS 15	034-011	Y	N	CR Y	THIS IS A LOW RUGGEDNESS RELAY PER EPRI NP-7148-SL, APPENDIX E.
51/15-2A	GE	121AC51A10	RLY	N	BUS 15	034-011	Y	Y	GERS N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 15-3	N	Y	CA *	
						BKR 15-7	N	Y	CA *	
						BKR 15-8	N	Y	CA *	
51/15-2B	GE	121AC51A10	RLY	N	BUS 15	034-011	Y	Y	GERS N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 15-3	N	Y	CA *	
						BKR 15-7	N	Y	CA *	
						BKR 15-8	N	Y	CA *	
51/15-2C	GE	121AC51A10	RLY	N	BUS 15	034-011	Y	Y	GERS N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 15-3	N	Y	CA *	
						BKR 15-7	N	Y	CA *	
						BKR 15-8	N	Y	CA *	
51/15-3A	GE	121AC77A11	RLY	N	BUS 15	034-011	Y	Y	GERS N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 15-3	N	Y	CA *	
						BKR 15-7	N	Y	CA *	
						BKR 15-8	N	Y	CA *	

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
51/15-3B	GE	121AC77A11	RLY	N	BUS 15	034-011	Y	Y	GERS	N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 15-3	N	Y	CA	*	
						BKR 15-7	N	Y	CA	*	
						BKR 15-8	N	Y	CA	*	
51/15-3C	GE	121AC77A11	RLY	N	BUS 15	034-011	Y	Y	GERS	N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 15-3	N	Y	CA	*	
						BKR 15-7	N	Y	CA	*	
						BKR 15-8	N	Y	CA	*	
51/15-7A	GE	121AC77A11	RLY	N	BUS 15	034-011	Y	Y	GERS	N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 15-3	N	Y	CA	*	
						BKR 15-7	N	Y	CA	*	
						BKR 15-8	N	Y	CA	*	
51/15-7B	GE	121AC77A11	RLY	N	BUS 15	034-011	Y	Y	GERS	N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 15-3	N	Y	CA	*	
						BKR 15-7	N	Y	CA	*	
						BKR 15-8	N	Y	CA	*	
51/15-7C	GE	121AC77A11	RLY	N	BUS 15	034-011	Y	Y	GERS	N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 15-3	N	Y	CA	*	
						BKR 15-7	N	Y	CA	*	
						BKR 15-8	N	Y	CA	*	
51/15-7C	GE	121AC77A11	RLY	N	BUS 15	034-011	Y	Y	GERS	N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 15-3	N	Y	CA	*	

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Main Equipment Designation	Manufacturer Code	Manufacturer Part/model Number	Relay Type	Low Rugged Relay	Rack/Panel	Relay for Equipment	Essential	Satisfactory	Reason Code	Outlier	Remarks
						BKR 15-7	N	Y	CA	*	
						BKR 15-8	N	Y	CA	*	
51G/15-3	GE	121AC53A3A	RLY	N	BUS 15	034-011	Y	Y	GERS	N	NON-OPERATE MODE. ANSI SHAPE. ASSUME TIME DIAL SETTING = 2.0.
						BKR 15-3	N	Y	CA	*	
						BKR 15-7	N	Y	CA	*	
						BKR 15-8	N	Y	CA	*	
51G/15-7	GE	121AC53A3A	RLY	N	BUS 15	034-011	Y	Y	GERS	N	NON-OPERATE MODE. ANSI SHAPE. ASSUME TIME DIAL SETTING = 2.0.
						BKR 15-3	N	Y	CA	*	
						BKR 15-7	N	Y	CA	*	
						BKR 15-8	N	Y	CA	*	
86/B15	GE	12HEA61(VDC)	RLY	N	BUS 15	034-011	Y	Y	GERS	N	ANSI SHAPE.
						BKR 15-3	N	Y	CA	*	
						BKR 15-7	N	Y	CA	*	
						BKR 15-8	N	Y	CA	*	
50-51/16-2A	GE	121AC77A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 16-10	N	Y	CA	*	
						BKR 16-2	N	Y	CA	*	
						BKR 16-8	N	Y	CA	*	
50-51/16-2B	GE	121AC77A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 16-10	N	Y	CA	*	
						BKR 16-2	N	Y	CA	*	
						BKR 16-8	N	Y	CA	*	
50-51/16-2C	GE	121AC77A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model.... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Outlier... Code...	Remarks.....
						BKR 16-10	N	Y	CA *	FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 16-2	N	Y	CA *	
						BKR 16-8	N	Y	CA *	
50-51/16-3A	GE	121AC66K8A	RLY	N	BUS 16	145-331	Y	Y	GERS N	NON-OPERATE MODE. ANSI SHAPE. ASSUME TIME DIAL SETTING = 1.0.
50-51/16-3C	GE	121AC66K8A	RLY	N	BUS 16	145-331	Y	Y	GERS N	NON-OPERATE MODE. ANSI SHAPE. ASSUME TIME DIAL SETTING = 1.0.
50G/16-3	WEST	SC(1876046)	RLY	Y	BUS 16	145-331	Y	N	CR Y	THIS IS A LOW RUGGEDNESS RELAY PER EPRI NP-7148-SL, APPENDIX E.
50G/16-9	WEST	SC(1876046)	RLY	Y	BUS 16	034-021	Y	N	CR Y	THIS IS A LOW RUGGEDNESS RELAY PER EPRI NP-7148-SL, APPENDIX E.
51/16-8A	GE	121AC77A	RLY	N	BUS 16	034-021	Y	Y	GERS N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 16-10	N	Y	CA *	
						BKR 16-2	N	Y	CA *	
						BKR 16-8	N	Y	CA *	
51/16-8B	GE	121AC77A	RLY	N	BUS 16	034-021	Y	Y	GERS N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 16-10	N	Y	CA *	
						BKR 16-2	N	Y	CA *	
						BKR 16-8	N	Y	CA *	

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
51/16-8C	GE	121AC77A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 16-10	N	Y	CA	*	
						BKR 16-2	N	Y	CA	*	
						BKR 16-8	N	Y	CA	*	
51/16-9A	GE	121AC51A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 16-10	N	Y	CA	*	
						BKR 16-2	N	Y	CA	*	
						BKR 16-8	N	Y	CA	*	
51/16-9B	GE	121AC51A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GEZ-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 16-10	N	Y	CA	*	
						BKR 16-2	N	Y	CA	*	
						BKR 16-8	N	Y	CA	*	
51/16-9C	GE	121AC51A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	SEISMIC CAPACITY BASED UPON MOST CONSERVATIVE VALUES FROM GES-6675. NON-OPERATE MODE. ANSI SHAPE.
						BKR 16-10	N	Y	CA	*	
						BKR 16-2	N	Y	CA	*	
						BKR 16-8	N	Y	CA	*	
51G/16-2	GE	121AC53A	RLY	N	BUS 16	034-021	Y	Y	GERS	N	NON-OPERATE MODE. ANSI SHAPE. ASSUME TIME DIAL SETTING = 2.0.
						BKR 16-10	N	Y	CA	*	
						BKR 16-2	N	Y	CA	*	
						BKR 16-8	N	Y	CA	*	

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
51G/16-8	GE	121AC53A	RLY	N	BUS 16	034-021	Y	Y	GRS	N	NON-OPERATE MODE. ANSI SHAPE. ASSUME TIME DIAL SETTING = 2.0.
						BKR 16-10	N	Y	CA	*	
						BKR 16-2	N	Y	CA	*	
						BKR 16-8	N	Y	CA	*	
86/12AFP	WEST	MG-6	RLY	N	BUS 16	145-331	Y	Y	GRS	N	ASSUMES 80ms ADJUSTMENT TIME. RELAY NORMALLY DEENERGIZED, ESSENTIAL CONTACTS ARE NORMALLY OPEN (SHELF STATE). ANSI SHAPE.
86/816	GE	12HEA61(VDC)	RLY	N	BUS 16	034-021	Y	Y	GRS	N	ANSI SHAPE.
						BKR 16-10	N	Y	CA	*	
						BKR 16-2	N	Y	CA	*	
						BKR 16-8	N	Y	CA	*	
50-51/25-10A	ASEA BRN BOVERI	511M	RLY	N	BUS 25	245-331	Y	Y	OTHER(I N EEE)		THE SWITCHGEAR (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
50-51/25-10C	ASEA BRN BOVERI	511M	RLY	N	BUS 25	245-331	Y	Y	OTHER(I N EEE)		THE SWITCHGEAR (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
50G/25-10	ASEA BRN BOVERI	50H	RLY	N	BUS 25	245-331	Y	Y	OTHER(I N EEE)		THE SWITCHGEAR (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
62/25-10	AGASTAT	7012	RLY	N	BUS 25	245-331	Y	Y	OTHER(I N EEE)		THE SWITCHGEAR (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.
86/21AFP	ASEA BRN BOVERI	RXMS1	RLY	N	BUS 25	245-331	Y	Y	OTHER(I N EEE)		THE SWITCHGEAR (AND ALL INTERNAL RELAYS) HAS BEEN QUALIFIED CLASS 1E, IEEE-344.



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BKR 111E-3	GE	THEF 136015/CR100	CONT	N	MCC 1A1	MV-32031	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 111E-5	GE	THEF/CR100	CONT	N	MCC 1A1	MV-32371	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 111C-8	GE	THEF 136015/CR100	CONT	N	MCC 1AB1	MV-32036	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 111C-9	GE	THEF/CR100	CONT	N	MCC 1AB1	MV-32034	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 121C-11	GE	THEF 136015/CR100	CONT	N	MCC 1AB2	MV-32035	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 121C-12	GE	THEF 136015/CR100	CONT	N	MCC 1AB2	MV-32037	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
1X/111J-1	POTTER&BRUMFLD	KAP-11AG	RLY	N	MCC 1K1	145-042	Y	N	CR	Y	NO APPLICABLE GERS.
BKR 111J-1	GE	TFK 236F000/CR100	CONT	N	MCC 1K1	145-042	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 111J-18	GE	THED/CR100	CONT	N	MCC 1K1	MV-32404	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 111J-23	GE	THED 136030/CR100	CONT	N	MCC 1K1	MV-32144	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 111J-24	GE	THEF/CR100	CONT	N	MCC 1K1	MV-32145	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 111J-28	GE	THEF 136030/CR100	CONT	N	MCC 1K1	MV-32332	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 111J-29	GE	THEF/CR100	CONT	N	MCC 1K1	MV-32322	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
1X/121J-1	POTTER&BRUMFLD	KAP-11AG	RLY	N	MCC 1K2	145-041	Y	N	CR	Y	NO APPLICABLE GERS.
BKR 121J-1	GE	TFK 236F000/CR100	CONT	N	MCC 1K2	145-041	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 121J-6	GE	THEF 136015/CR100	CONT	N	MCC 1K2	MV-32146	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 121J-7	GE	THED	CONT	N	MCC 1K2	MV-32159	Y	Y	GERS	N	GERS SHAPE, FIGURE

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Main Equipment Designation	Manufacturer Code	Manufacturer Part/model Number	Relay Type	Low Rugged Relay	Rack/Panel	Relay for Equipment	Essential	Satisfactory	Reason Code	Outlier	Remarks
		136030/CR100									2.
BKR 112E-3	GE	THEF 136015/CR100	CONT	N	MCC 1L1	MV-32377	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 112E-40	GE	THEF 136030/CR100	CONT	N	MCC 1L1	MV-32400	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 112E-41	GE	THEF/CR100	CONT	N	MCC 1L1	MV-32402	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 112E-5	GE	THEF 136015/CR100	CONT	N	MCC 1L1	MV-32378	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 112E-6	GE	THED 136030/CR100	CONT	N	MCC 1L1	MV-32166	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 122E-2	GE	THEF 136015/CR100	OP	N	MCC 1L2	MV-32379	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 122E-5	GE	THED/CR100	CONT	N	MCC 1L2	MV-32380	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 122E-7	GE	THED/CR100	CONT	N	MCC 1L2	MV-32199	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 112L-27	GE	THEF/CR100	CONT	N	MCC 1LA1	MV-32132	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 112L-31	GE	THEF 136015/CR100	CONT	N	MCC 1LA1	MV-32138	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 112L-34	GE	THEF 136030/CR100	CONT	N	MCC 1LA1	MV-32242	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 122L-26	GE	THEF 136015/CR100	CONT	N	MCC 1LA2	MV-32135	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 122L-30	GE	THEF 136015/CR100	CONT	N	MCC 1LA2	MV-32141	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 122L-34	GE	THED/CR100	CONT	N	MCC 1LA2	MV-32243	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 112G-6	WEST	HFB	CONT	N	MCC 1T1	MV-32016	Y	N	CR	Y	MODEL NUMBER UNAVAILABLE FOR MOTOR STARTER,

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
BKR 212G-3	WEST	HFB	CONT	N	MCC 1T1	MV-32019	Y	N	CR	Y	THEREFORE OUTLIER CLASSIFICATION IS ASSIGNED.  MODEL NUMBER UNAVAILABLE FOR MOTOR STARTER, THEREFORE OUTLIER CLASSIFICATION ASSIGNED.
BKR 122G-6	WEST	HFB	CONT	N	MCC 1T2	MV-32017	Y	N	CR	Y	MODEL NUMBER UNAVAILABLE FOR MOTOR STARTER, THEREFORE OUTLIER CLASSIFICATION ASSIGNED.
BKR 222G-3	WEST	HFB	CONT	N	MCC 1T2	MV-32020	Y	N	CR	Y	MODEL NUMBER UNAVAILABLE FOR MOTOR STARTER, THEREFORE OUTLIER CLASSIFICATION ASSIGNED.
BKR 221E-10	GE	THED 136015/CR100	CONT	N	MCC 2A2	MV-32372	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 221E-8	GE	THED/CR100	CONT	N	MCC 2A2	MV-32033	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
1X/211J-1	POTTER&BRUMFLD	KAP-11AG	RLY	N	MCC 2K1	245-042	Y	N	CR	Y	NO APPLICABLE GERS.
BKR 211J-1	GE	TFK/CR100	CONT	N	MCC 2K1	245-042	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 211J-18	GE	THED/CR100	CONT	N	MCC 2K1	MV-32410	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 211J-24	GE	THED/CR100	CONT	N	MCC 2K1	MV-32160	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
1X/221J-1	POTTER&BRUMFLD	KAP-11AG	RLY	N	MCC 2K2	245-041	Y	N	CR	Y	NO APPLICABLE GERS.
BKR 221J-1	GE	TFK 236F000/CR100	CONT	N	MCC 2K2	245-041	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.

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BKR 221J-3	GE	THED 136015/CR100	CONT	N	MCC 2K2	MV-32334	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 221J-6	GE	THED/CR100	CONT	N	MCC 2K2	MV-32161	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 221B-35	GE	THED 136015/CR100	CONT	N	MCC 2KA2	MV-32329	Y	Y	CR	N	GERS SHAPE, FIGURE 2.
BKR 212E-3	GE	THED/CR100	CONT	N	MCC 2L1	MV-32386	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 212E-40	GE	THED/CR100	CONT	N	MCC 2L1	MV-32408	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 212E-41	GE	THED 136030/CR100	CONT	N	MCC 2L1	MV-32406	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 212E-5	GE	THED 136015/CR100	CONT	N	MCC 2L1	MV-32194	Y	Y	CR	N	GERS SHAPE, FIGURE 2.
BKR 212E-6	GE	THED/CR100	CONT	N	MCC 2L1	MV-32388	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 222E-15	GE	THED/CR100	CONT	N	MCC 2L2	MV-32210	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 222E-2	GE	THED 136015/CR100	CONT	N	MCC 2L2	MV-32387	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 222E-7	GE	THED 136015/CR100	CONT	N	MCC 2L2	MV-32389	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 212L-27	GE	THED/CR100	CONT	N	MCC 2LA1	MV-32147	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 212L-31	GE	THED/CR100	CONT	N	MCC 2LA1	MV-32153	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 212L-34	GE	THED/CR100	CONT	N	MCC 2LA1	MV-32248	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 222L-26	GE	THED 136015/CR100	CONT	N	MCC 2LA2	MV-32150	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
BKR 222L-30	GE	THED 136015/CR100	CONT	N	MCC 2LA2	MV-32156	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
BKR 222L-45	GE	THED/CR100	CONT	N	MCC 2LA2	MV-32249	Y	Y	GERS	N	GERS SHAPE, FIGURE 2.
62-1/31998	AGASTAT	E7024PB001	RLY	N	RC A1640-AFW RM	CV-31998	Y	Y	GERS	N	RELAY IS NORMALLY ENERGIZED. ANSI SHAPE.
62-2/31998	AGASTAT	E7012PC001	RLY	N	RC A1640-AFW RM	CV-31998	Y	Y	GERS	N	ANSI SHAPE.
LPT/31998	AGASTAT	EGPD002	RLY	N	RC A1640-AFW RM	CV-31998	Y	N	CR	Y	ANSI SHAPE.
62/16-1	AGASTAT	7012PD	RLY	N	TC 1209 RLY RM	145-331	Y	Y	GERS	N	ANSI SHAPE.
62-1/31999	AGASTAT	E7024PB001	RLY	N	TC 2209 RLY RM	CV-31999	Y	Y	GERS	N	RELAY IS NORMALLY ENERGIZED. ANSI SHAPE.
62-2/31999	AGASTAT	E7012PC001	RLY	N	TC 2209 RLY RM	CV-31999	Y	Y	GERS	N	ANSI SHAPE.
LPT/31999	GE	CR120BD07041	RLY	N	TC 2209 RLY RM	CV-31999	Y	N	CR	Y	ANSI SHAPE.
62/111J-1	AGASTAT	7012AC	RLY	N	TERM BOX 1243	145-042	Y	Y	GERS	N	ANSI SHAPE.
62/121J-1	AGASTAT	7012AC	RLY	N	TERM BOX 1244	145-041	Y	Y	GERS	N	ANSI SHAPE.
62/221J-1	AGASTAT	7012AC	RLY	N	TERM BOX 2480	245-041	Y	Y	GERS	N	ANSI SHAPE.
62/211J-1	AGASTAT	7012AC	RLY	N	TERM BOX 2481	245-042	Y	Y	GERS	N	ANSI SHAPE.

420 records listed.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part\model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason. Code...	Outlier...	Remarks.....
1LC-427B-X	WEST	BF-66F	RLY	N	1AMR1	BKR 112C	Y	N	CR	Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
						BKR 122C CV-31226	Y N	N Y	CR CA	Y *	
1LC-428B-X	WEST	BF-66F	RLY	N	1AMR1	BKR 112C	Y	N	CR	Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
						BKR 122C	Y	N	CR	Y	
1LC-428D-X	WEST	BF-66F	RLY	N	1AMR1	BKR 112C	Y	N	CR	Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
						BKR 122C CV-31255	Y N	N Y	CR CA	Y *	
1PC-431E-X	WEST	BF-66F	RLY	N	1AMR1	BKR 112C	Y	N	CR	Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
						BKR 122C	Y	N	CR	Y	
2LC-427B-X	WEST	BF-66F	RLY	N	2AMR1	BKR 212C	Y	N	CR	Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
						BKR 222C CV-31230	Y N	N Y	CR CA	Y *	
2LC-428B-X	WEST	BF-66F	RLY	N	2AMR1	BKR 212C	Y	N	CR	Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
						BKR 222C	Y	N	CR	Y	
2LC-428D-X	WEST	BF-66F	RLY	N	2AMR1	BKR 212C	Y	N	CR	Y	MOST CONSERVATIVE CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
						BKR 222C CV-31279	Y N	N Y	CR CA	Y *	
2PC-431E-X	WEST	BF-66F	RLY	N	2AMR1	BKR 212C	Y	N	CR	Y	MOST CONSERVATIVE

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						BKR 222C	Y	N	CR	Y	CAPACITY ASSIGNED FROM GERS. GERS SHAPE.
26X/112G-1A	KLOCKNER-MOELLR	CR7	RLY	N	075-011	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
26X/112G-1C	KLOCKNER-MOELLR	CR9	RLY	N	075-011	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
4X/112G-1	FURNAS ELEC	CR10	RLY	N	075-011	075-011	Y	H	CR	Y	NO APPLICABLE GERS.
63X/112G-1	KLOCKNER-MOELLR	CR8	RLY	N	075-011	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
26X/122G-1A	KLOCKNER-MOELLR	CR7	RLY	N	075-012	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
26X/122G-1C	KLOCKNER-MOELLR	CR9	RLY	N	075-012	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
4X/122G-1	FURNAS ELEC	CR10	RLY	N	075-012	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
63X/122G-1	KLOCKNER-MOELLR	CR8	RLY	N	075-012	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
67X/D1	GE	*	RLY	N	55300	034-011	Y	N	CR	Y	MODEL NUMBER UNAVAILABLE FOR RELAY, THEREFORE OUTLIER CLASSIFICATION ASSIGNED.
86/D1	GE	12HEA63C	RLY	N	55300	034-011	Y	N	CR	Y	NO APPLICABLE GERS.
431X/D1	AGASTAT	EGPD002	RLY	N	55410	034-011	Y	N	CR	Y	ANSI SHAPE.
431XX/D1	AGASTAT	EGPD002	RLY	N	55410	034-011	Y	N	CR	Y	ANSI SHAPE.
431XXX/D1	AGASTAT	EGPD002	RLY	N	55410	034-011	Y	N	CR	Y	ANSI SHAPE.
67X/D2	GE	*	RLY	N	55800	034-021	Y	N	CR	Y	MODEL NUMBER UNAVAILABLE FOR RELAY, THEREFORE OUTLIER CLASSIFICATION ASSIGNED.
86/D2	GE	12HEA63C	RLY	N	55800	034-021	Y	N	CR	Y	NO APPLICABLE GERS.
5730303	WHITE-RODGERS	1609-96	INST	N	57303	075-011	Y	N	CR	Y	NO APPLICABLE GERS.

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Main..... Equipment... Designation.	Manufacturer... Code.....	Manufacturer... Part/model..... Number.....	Relay Type	Low Rugged. Relay.....	Rack/Panel	Relay..... for..... Equipment.....	Essential.	Satisfactory	Reason.	Outlier...	Remarks.....
5730304	WHITE-RODGERS	1541-5	INST	N	57303	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
5730305	WHITE-RODGERS	11B06	INST	N	57303	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
5730315	MARSHALL	3DFM	INST	N	57303	075-011	Y	N	CR	Y	NO APPLICABLE GERS.
5730403	WHITE-RODGERS	1609-96	INST	N	57304	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
5730404	WHITE-RODGERS	1541-5	INST	N	57304	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
5730405	WHITE-RODGERS	11B06	INST	N	57304	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
5730411	MARSHALL	3DFM	INST	N	57304	075-012	Y	N	CR	Y	NO APPLICABLE GERS.
15X/12CLP	PANALARM	WB-2	RLY	N	70300	145-392	Y	N	CR	Y	NO APPLICABLE GERS.
15X/22CLP	PANALARM	WB-2	RLY	N	70350	245-392	Y	N	CR	Y	NO APPLICABLE GERS.
86/112C	ASEA BRN BOVERI	RXMS1	RLY	N	AUX RELAY CAB 1203	BKR 112C	Y	N	CR	Y	NO APPLICABLE GERS.
86/122C	ASEA BRN BOVERI	RXMS1	RLY	N	AUX RELAY CAB 1203	BKR 122C	Y	N	CR	Y	NO APPLICABLE GERS.
4/DG1-15	CLARK	PM	RLY	N	B15 LOGIC RELAY CAB. 1	034-011	Y	N	CR	Y	NO APPLICABLE GERS.
50G/15-2	WEST	SC(1876046)	RLY	Y	BUS 15	034-011	Y	N	CR	Y	THIS IS A LOW RUGGEDNESS RELAY PER EPRI NP-7148-SL, APPENDIX E.
50G/16-3	WEST	SC(1876046)	RLY	Y	BUS 16	145-331	Y	N	CR	Y	THIS IS A LOW RUGGEDNESS RELAY PER EPRI NP-7148-SL, APPENDIX E.
50G/16-9	WEST	SC(1876046)	RLY	Y	BUS 16	034-021	Y	N	CR	Y	THIS IS A LOW RUGGEDNESS RELAY PER EPRI NP-7148-SL, APPENDIX E.
1X/111J-1	POTTER&BRUMFLD	KAP-11AG	RLY	N	MCC 1K1	145-042	Y	N	CR	Y	NO APPLICABLE GEPS.
1X/121J-1	POTTER&BRUMFLD	KAP-11AG	RLY	N	MCC 1K2	145-041	Y	N	CR	Y	NO APPLICABLE GERS.



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BKR 112G-6	WEST	HFB	CONT	N	MCC 1T1	MV-32016	Y	N	CR	Y	MODEL NUMBER UNAVAILABLE FOR MOTOR STARTER, THEREFORE OUTLIER CLASSIFICATION IS ASSIGNED.
BKR 212G-3	WEST	HFB	CONT	N	MCC 1T1	MV-32019	Y	N	CR	Y	MODEL NUMBER UNAVAILABLE FOR MOTOR STARTER, THEREFORE OUTLIER CLASSIFICATION ASSIGNED.
BKR 122G-6	WEST	HFB	CONT	N	MCC 1T2	MV-32017	Y	N	CR	Y	MODEL NUMBER UNAVAILABLE FOR MOTOR STARTER, THEREFORE OUTLIER CLASSIFICATION ASSIGNED.
BKR 222G-3	WEST	HFB	CONT	N	MCC 1T2	MV-32020	Y	N	CR	Y	MODEL NUMBER UNAVAILABLE FOR MOTOR STARTER, THEREFORE OUTLIER CLASSIFICATION ASSIGNED.
1X/211J-1	POTTER&BRUMFLD	KAP-11AG	RLY	N	MCC 2K1	245-042	Y	N	CR	Y	NO APPLICABLE GERS.
1X/221J-1	POTTER&BRUMFLD	KAP-11AG	RLY	N	MCC 2K2	245-041	Y	N	CR	Y	NO APPLICABLE GERS.
LPT/31998	AGASTAT	EGPD002	RLY	N	RC A1640-AFW RM	CV-31998	Y	N	CR	Y	ANSI SHAPE.
LPT/31999	GE	CR1208D07041	RLY	N	TC 2209 RLY RM	CV-31999	Y	N	CR	Y	ANSI SHAPE.

49 records listed.