Generic Letter 87-02
USNRC USI A-46 Resolution

Relay Evaluation Report
Seismic Qualification Utility Group (SQUG)
Dresden Nuclear Station Units 2 and 3

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3. RESULTS AND PLANNED ACTIONS

Summary of results

This report documents the seismic functionality review of relays affecting USI A-46 safe shutdown equipment and systems for DNPS. This review was performed and documented in accordance with the requirements of the GIP, the NRC SSER on the GIP and on EPRI NP-7148-SL. No significant or programmatic deviations from the GIP were taken during the relay evaluation for Dresden. This section of the report provides a summary of the review.

The Dresden SQUG Relay Review Safe Shutdown Equipment List is contained in Appendix A. From this list the SQUG Relay List was generated which is on file with ComEd. Relay reviews were performed for each of these items. Details of these reviews are provided in section 4. The general categories of relays included in the review were auxiliary relays, protective relays, and contactors. Other devices which have contacts, such as control switches and instrument switches which are used in relay logic and control circuits, were also addressed in the relay evaluation, even though they are not considered relays.

Due to limited available data on relay makes and models available from plant databases, a deviation in the order of evaluation was made. In order to limit the amount of equipment required to have field nameplate walkdowns performed, a Detailed Circuit Evaluation and use of Operator Action were initially performed.

Relay Outliers and Resolution

Essential relays and other contact devices determined to have inadequate or unknown seismic capacities and which cannot be screened out using Light Functional Screening, Seismic Capacity Screening, Detailed Circuit Analysis, or Operator Action are considered outliers. Of the approximately 5600 contacts evaluated for the USI A-46, 1058 were identified as being outliers. Due to the duplication of contacts being documented during the Detailed Circuit Analysis method, these contacts are located on 533 individual devices. The outliers consist of 20 "Bad Actor" relays, 160 relays for which seismic demand exceeds seismic capacity, and 214 relays with unknown (unpublished) seismic capacities. In addition to the above, a set of 48 relays were identified based on the apparent age of the equipment as potentially having unique qualification. In addition, a pending modification was identified (Mod Number M12-2(3)-94-002), which replaces 8 mercury actuated Yarway Level Switches with an instrument trip system. The remaining 83 outliers were due to insufficient data or walkdown contraints. The available options for resolving outliers are provided in EPRI NP-7148 (Ref. 4) and the GIP (Ref. 2) A summary of the outliers and of the planned resolutions are provided in Table 3-1. Details of the individual outliers are contained in Appendix E. Appendix G provides Nuclear Tracking Sheets indicating proposed resolutions, completion dates and Nuclear Tracking Sytems (NTS) numbers for each outlier.

Table 3-1

Summary of Outliers

Outlier Description	Number of Contacts	Number of Relays	Proposed Resolution
1. No GERS (Generic Equipment Response Spectra) exists for the model number identified	301- Unit 2 222- Unit 3	124- Unit 2 90 - Unit 3	Perform seismic testing, or Replace device Resolution #1 (Appendix G)
2. Demand for the device exceeds capacity	122-Unit 2 134- Unit 3	72 - Unit 2 88 - Unit 3	Perform detailed seismic demand analysis, perform device specific testing, or replace device Resolution #2 (Appendix G)
3. Relay could not be screened, however, unique seismic qualification is believed to exist	72 - Unit 2 35 - Unit 3	34 - Unit 2 14 - Unit 3	Perform search for seismic qualification data from modification installation Resolution #3 (Appendix G)
4. Sufficient data could not be located to positively identify device, or walkdowns could not be performed due to operational constraints.	67 - Unit 2 60 - Unit 3	39 - Unit 2 44 - Unit 3	Perform detailed walkdowns/document searches, evaluate devices and replace if necessary. Resolution #4 (Appendix G)
5. Relay could not be screened, however a pending modification exists which will replace device.	27 - Unit 2 19 - Unit 3	4 - Unit 2 4 - Unit 3	Modification has been designed to meet seismic requirements. Await Installation Resolution #5 (Appendix G)
6. Low Ruggedness Devices	20 - Unit 2 12 - Unit 3	13 - Unit 2 7 - Unit 3	Replace device, or Re-analyze circuits Resolution #6 (Appendix G)

4. RELAY EVALUATION TECHNICAL APPROACH

Introduction

The relay evaluation methodology used at Dresden consisted of a systematic approach to screen and evaluate relays and other contact devices that appear in the control circuitry of SSEL systems and equipment. Systems associated circuits, and relays which must remain functional during and immediately after an earthquake were identified. A Detailed Circuit Evaluation was performed to identify those relays required to function to assure availability of safe shutdown equipment. This included a limited amount of Operator Action to restore safe shutdown equipment. A Seismic Capacity Screening process was then used to assess the seismic capacity of the Essential relays identified by the Detailed Circuit Evaluations. A list of Essential relays is provided in Appendix B.

Criteria and Governing Assumptions

For resolution of USI A-46 it is not necessary to verify the seismic adequacy of all plant equipment defined as Seismic Class I in NRC Regulatory Guide 1.29. Instead, only those systems, subsystems, and components required to bring the plant to a safe shutdown condition and to maintain it in that condition for 72 hours are included in the scope of USI A-46. As a result, the scope of the seismic verification review is limited to equipment which provides functions necessary for achieving and maintaining safe shutdown. Other important assumptions which define systems and equipment which are considered essential under USI A-46 are defined in NUREG-1211 and include: (1) the seismic event does not cause a loss of coolant accident (LOCA) and a LOCA will not be postulated to occur simultaneously with, or during the seismic event, (2) off-site power may be lost during or following a seismic event, and (3) random, single-active-failures are assumed for systems counted on to achieve and maintain hot, safe shutdown. In addition, other specific criteria and assumptions involved in the evaluation of relays are provided in EPRI NP-7148 (Ref. 4).

Identification of Essential Functions and Systems

Four functions were considered for achieving and maintaining a safe shutdown condition following a design basis earthquake. These functions are as follows:

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

The systems selected to accomplish these four functions are discussed in Section 2.0. Supporting systems necessary to operate the safe shutdown equipment were identified as well. Safe Shutdown Equipment Lists (SSELs) were generated for each system and compiled into one composite SSEL. From this composite list, the SQUG Relay Review SSEL was generated. The SQUG Relay Review SSEL is provided in Appendix A.

General Relay Evaluation Approach

The relay evaluation for Dresden began with the creation of a relay list which documents the Detailed Circuit Evaluation for each piece of equipment identified in the SQUG Relay Review SSEL.. The Detailed Circuit Evaluation included only those contacts directly involved with the operation of the specified piece of equipment, therefore, devices controlling non-essential equipment, annunciators and alarms were not included on the list. Checks were made for generically rugged devices, which includes solid-state relays and mechanically-actuated contacts. A determination of susceptibility to chatter based on the function of the individual components on the list was made. Those contacts for which it was determined chatter would not adversely impact equipment operation were screened as "Chatter Acceptable". In addition a determination was made of those relays for which Operator Action would be required during the event to reset/respond to the consequences of relay chatter affecting equipment availability. The use of this method was limited, and the specific operator actions are discussed below. The remaining contacts were considered to be potentially seismically vulnerable.

The seismic adequacy of the remaining relays and other contact devices were then evaluated by comparing the seismic capacity of the specific relay types with the plant-specific seismic demand. Seismic demand was determined by modifying the floor response spectra at the base of the cabinet or panel to account for structural amplification between the cabinet base and the location of the device mounted within the cabinet. Generic in-cabinet amplification factors and factors of safety provided in the GIP (Ref. 2) were used to account for structural amplification. Low ruggedness or "bad actor" relays were identified during the seismic adequacy screening. The Seismic Capacity Screening process is described in detail below. As described in Section 3, a high percentage of the devices passed the Seismic Capacity Screening process and required no further evaluation. Some relays did not pass the seismic capacity screening, either because the seismic demands on these devices were higher than their published capacities, or because seismic capacity data was unavailable for the specific relay models.

The remaining relays that could not be screened using the methods described above were considered outliers. A complete list of outliers and planned methods of resolution is provided in Table 3-1. Options for resolving outliers include: refinement of initial seismic requirements, testing of the relay in question, circuit redesign, relocation of relays to reduce seismic demand, modification of relay installation or support structure, and replacement of relays in question with seismically qualified models.

Detailed Circuit Analysis/Operator Action

The first step in the relay evaluation process at Dresden involved the use of Detailed Circuit Analysis. This process determines if a relay malfunction due to contact chatter is acceptable or not. As described in reference 4, relay chatter is considered acceptable if; (1) relay function is not needed during the seismic event, (2) relay malfunction does not prevent the desired function from occurring, and (3) relay malfunction does not cause a spurious, unacceptable event. This step also screened out the mechanical and solid state devices, defined to be "inherently rugged" by EPRI NP-7148 (Ref. 4) and the GIP. This includes devices located on the diesel generator skids. As noted in Appendix B of EPRI NP-7148 and in a report by the Senior Seismic Review and Advisory Panel (SSRAP), (Ref. 8), relays on a reciprocating engine skid are exposed to high vibration levels during normal operation. Therefore, such devices are not considered vulnerable to seismically induced chatter and were not considered further during this evaluation. However, the Relay Review Team inspected the mountings of these devices.

Combined with this step of the evaluation process was a screening for the use of operator action to reset systems which may actuate due to seismically induced chatter. Operator Action was used in a very limited number of cases, and was used in accordance with the recommendations provided in the GIP (Ref. 2) and EPRI NP-7148 (Ref. 4). The use of operator action as a screening method was contingent on the satisfaction of the following actions:

1) The operator is provided with specific indication of system status.

2) There must be sufficient time for the operator or assistant to perform the necessary diagnostic evaluations and take action to reset the system.

3) There must be immediate access to indications and controls necessary to perform the resetting action.

4) The number of systems to reset is minimal.

5) Detailed procedures are available to assist and direct the resetting operation.

Detailed Circuit Analysis Results

The detailed circuit analysis was used to define the total number of contacts associated with the operation of the equipment listed on the SSEL. A total of 5638 contacts were identified (3155 for Unit 2 and common systems, and 2483 for Unit 3 systems). It should be noted that since one contact may impact operation of multiple components, and in some cases may impact circuit functionality differently, the total number of contacts identified exceeds the total number of actual devices involved. Of the contacts identified, 1210 (641 for Unit 2 and common systems and 569 for Unit 3 systems) were screened as being "Chatter Acceptable", and 1939 (1077 for Unit 2 and common systems and 862 for Unit 3 systems) were identified as "Not Vulnerable".

Operator Action Results

Fifty two (32 for Unit 2 and common systems and 20 for Unit 3 systems) contacts were screened from further consideration using Operator Action. The operator actions required are only associated with restoring the offsite power supply after the event. These operator actions were considered necessary due to anticipated difficulties in qualifying items such as transformer sudden pressure devices and switchyard protective devices. This operator action is considered acceptable as it is similar to the operator actions required in restoring off-site power after an event, and the diesel generators and associated devices have been considered as essential equipment under the USI A-46 program.

Relay Walkdown

The Generic Implementation Procedure (GIP) requires, in part a plant walkdown of relays and their enclosures. The purpose of this walkdown is to:

1) Obtain, as necessary, information needed to determine cabinet types and cabinet-specific in-cabinet amplification factors for seismic screening;

2) Verify the seismic adequacy of cabinets or enclosures which contain essential relays;

3) Spot-check mountings of essential relays to determine if they are in accordance with manufacturer's recommendations;

4) Confirm relay types and locations are consistent with the documentation sources used during the relay circuit evaluations.

Under the USI A-46 program, relay mountings are assumed to be in accordance with manufacturer's recommendations, and plant documentation of relay types and locations is assumed to be accurate. The objective of the spot checks made during the relay walkdown was to confirm on a sample basis these assumptions. Other walkdowns, performed by seismic capability engineers, collected the information needed for cabinet evaluations used in seismic capacity screening of relays and to verify the seismic adequacy of the cabinets and enclosures which support essential relays. A list of the SQUG Essential Relay Panels is provided in Appendix C. The results of these evaluations are presented in the USI A-46 Seismic Evaluation Report (Ref. 5).

Relay checks were made at Dresden by the relay review team. Mounting bolts were visually inspected to assure the relays were well secured, and relay model and manufacturer were verified. Due to limited relay data in plant documentation, a majority of the cabinets were checked to obtain nameplate data in addition to inspecting relay mountings. Two unusual findings were noted. In one case one screw was found missing on an essential relay. The subject screw has subsequently been replaced. In the other case, four devices on the essential relay list were found to have been removed from the plant. A subsequent search of plant documentation revealed that a modification had been performed to replace the devices. These devices will be considered outliers until this modification has been completed on both units.

Seismic Capacity Screening

Following the Detailed Circuit Evaluation and Relay Walkdown, all remaining contacts on the composite list were evaluated for seismic adequacy. A total of 2340 contacts (1345 for Unit 2 and 995 for Unit 3) were initially evaluated using the Seismic Capacity Screening methodology.

The first step performed in the Seismic Capacity Screening process was a search for "bad actor" relays, which are relays with demonstrated low seismic ruggedness or sensitivity to high frequency vibration. Because of their low seismic ruggedness, bad actor relays cannot be screened using the seismic capacity screening process. Appendix E of EPRI NP-7148 (Ref. 4) provides a list of known bad actor relays. As a result of this search, a total of 20 bad actor devices were identified, which includes 8 General Electric Type HGA Relays[1], 6 Mercoid Switches, 3 General Electric Type CEH Relays, and 3 Westinghouse type SV relays.

Following the bad actor search, the remaining relays were evaluated for seismic adequacy using the seismic capacity data contained in EPRI NP-7147-SL (Ref. 6), and EPRI NP-5223-SL (Ref. 7).

Determination of Seismic Capacity

The use of relay GERS as published in references 6 and 7, provided the primary means of establishing relay seismic capacity at Dresden. 1252 contacts were screened using this methodology.

Determination of Seismic Demand

The seismic demand on relay devices was determined using the criteria presented in the GIP (Ref. 2) and EPRI NP-7148 (Ref. 4). In general, the seismic demand on relays was determined by modifying the floor response spectra at the base of a relay cabinet or panel to account for structural amplification between the floor and the relay mounting location. For the majority of the relays evaluated, generic in-cabinet amplification factors were established by the seismic review team (Ref. 9) and are included in Appendix D. The Dresden Ground and Floor Response spectra were also provided in a separate report, entitled "USNRC USI A-46 Resolution - Seismic Evaluation Report - Dresden Station Units 2 and 3" (Ref. 5). A summary of the of the seismic demand data used for the relay evaluations is presented in Appendix E. The peak spectral accelerations reflect peak seismic demand in the 4 Hz to 16 Hz range as required by the GIP (Ref. 2).

Seismic Capacity Screening Results

Of the 2340 contacts evaluated using the Seismic Capacity Screening process, 1252 of the contacts passed. The results of the seismic screening is included in Appendix D. The 1058 contacts (relating to 533 individual devices) which did not pass have been declared outliers.

[1]The HGA relays identified as "bad actors" are only those for which a Normally-Closed contact with the relay de-energized is required for proper safe shutdown equipment operation. HGA relays used in other applications have been screened as seismically adequate.

5.0 REFERENCES

1. Generic Letter 87-02, "Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue (USI) A-46," U.S. Nuclear Regulatory Commission, Washington, D.C., February, 1987.

2. Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment, Revision 2, as corrected on February 14, 1992 (GIP-2). Seismic Qualification Utility Group (SQUG).

3. Supplement No. 1 to Generic Letter (GL) 87-02 that transmits Supplemental Safety Evaluation Report No. 2 (SSER No. 2) on SQUG Generic Implementation Procedure, Revision 2, as corrected on February 14, 1992 (GIP-2), U.S. Nuclear Regulatory Commission, Washington, D.C. May 22, 1992.

4. EPRI NP-7148-SL, "Procedure for Evaluating Nuclear Power Plant Relay Seismic Functionality." Final Report, December 1990.

5. "USNRC USI A-46 Resolution - Seismic Evaluation Report - Dresden Station Units 2 and 3." Stevenson And Associates, June, 1996.

6. EPRI NP-7147-SL, "Seismic Ruggedness of Relays, Final Report, August 1991.

7. EPRI NP-5223-SL, "Generic Seismic Ruggedness of Power Plant Equipment (Revision 1)." August, 1991.

8. SSRAP Report, "Use of Seismic Experience and Test Data to Show Ruggedness of Equipment in Nuclear Power Plants". Senior Seismic Review and Advisory Panel (SSRAP). Revision 4.0, February 28, 1991.

9. Stevenson & Associates letter "Amplification Factors for Cabinets Containing Essential Relays, W. Djordjevic to L. Wright, dated March 18, 1996. Letter No. 93C2806.04-LSC-010

6.0 APPENDICES

Appendix A - SQUG Relay Review Safe Shutdown Equipment List
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APPENDIX A

SEISMIC QUALIFICATION UTILITIES GROUP (SQUG) RELAY REVIEW SAFE SHUTDOWN EQUIPMENT LIST

The following is a listing of the components that comprise the Seismic Qualification Utilities Group (SQUG) Relay Review Safe Shutdown Equipment List. This list contains all equipment that required a relay review per the Generic Implementation Procedure (GIP). The information on this list was generated using the methodology in the Seismic Evaluation Report (Ref 5), with the exception of the line number. The line number for this list is a sequential number which allows the list to be sorted. The list is sorted by the system name in column 5, then by equipment identification number (EID) in column 4.

SQUG Relay Review Safe[illegible]wn Equipment List

Data Base File Name/Date/Time: DRRELEL.DBF / 06/0[illegible] 17:46:58
Sort Criteria: Line Number
Filter Criteria: (Eval. Concern CONTAINS 'S')
Program File Name & Version: SSEM 2.2

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- Building	EQUIPMENT Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. Normal	ST. --> Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1001		16	D02-8300--2---B05	125V DC/ Battery Charger #2	12E-3322B/ C/ F-7	Turbine	549' 0"	B RM2 E/31	SR		Operbl.	Operbl.	Yes	12E-2389D/ E	MOTIVE/CONTROL-MCC 29-2	S
1002		16	D02-8300--2A--B05	125V DC/ Battery Charger #2A	12E-3322B/ C/ F-7	Turbine	549' 0"	B RM2 E/31	SR		Operbl.	Operbl.	Yes	12E-2389D/ E	MOTIVE/CONTROL-MCC 28-2	S
1003		16	D03-8300--3---B05	125V DC/ Battery Charger #3	12E-3322B/ C/ F-4	Turbine	538' 0"	BC RM3 G-H/55	SR		Operbl.	Operbl.	Yes	12E-3974/ CD	MOTIVE/CONTROL-MCC 39-2	S
1004		16	D03-8300--3A--B05	125V DC/ Battery Charger #3A	12E-2322B/ D/ F-4	Turbine	538' 0"	G-H/54-55	SR		Operbl.	Operbl.	Yes	12E-3974A/ B	MOTIVE/CONTROL-MCC 38-2	S
1005		16	D02-9802-2APOSB05	24/48V DC/ Battery Charger #2A (+)	12E-2324-1/ Q	Turbine	549' 0"	B RM2 E/31	SR		Operbl.	Operbl.	Yes	12E-2389/ U	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-50	S
1006		16	D02-9802-2ANEGB05	24/48V DC/ Battery Charger #2A (-)	12E-2324-1/ Q	Turbine	549' 0"	B RM2 E/31	SR		Operbl.	Operbl.	Yes	12E-2389/ U	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-50	S
1007		16	D02-9802-2BPOSB05	24/48V DC/ Battery Charger #2B (+)	12E-2324-1/ Q	Turbine	549' 0"	B RM2 E/31	SR		Operbl.	Operbl.	Yes	12E-2389/ U	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-50	S
1008		16	D02-9802-2BNEGB05	24/48V DC/ Battery Charger #2B (-)	12E-2324-1/ Q	Turbine	549' 0"	B RM2 E/31	SR		Operbl.	Operbl.	Yes	12E-2389/ U	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-50	S
1009		16	D03-9802-3APOSB05	24/48V DC/ Battery Charger #3A (+)	12E-3324-1/ N	Turbine	538' 0"	BC RM3 G-H/55	SR		Operbl.	Operbl.	Yes	12E-3389/ S	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-50	S
1010		16	D03-9802-3ANEGB05	24/48V DC/ Battery Charger #3A (-)	12E-3324-1/ N	Turbine	538' 0"	BC RM3 G-H/55	SR		Operbl.	Operbl.	Yes	12E-3389/ S	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-50	S
1011		16	D03-9802-3BPOSB05	24/48V DC/ Battery Charger #3B (+)	12E-3324-1/ N	Turbine	538' 0"	BC RM3 G-H/55	SR		Operbl.	Operbl.	Yes	12E-3389/ S	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-50	S
1012		16	D03-9802-3BNEGB05	24/48V DC/ Battery Charger #3B (-)	12E-3324-1/ N	Turbine	538' 0"	BC RM3 G-H/55	SR		Operbl.	Operbl.	Yes	12E-3389/ S	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-50	S
1013		16	D00-83250-0---B05	250V DC/ Battery Charger #2/3	12E-2(3)321/ W(U)/ B-7	Turbine	549' 0"	B RM2 E/31	SR		Operbl.	Operbl.	Yes	12E-2389B/ E	MOTIVE/CONTROL-MCC 29-2	S
1014		16	D02-83250-2---B05	250V DC/ Battery Charger #2	12E-3321/ U	Turbine	549' 0"	B RM2 E/31	SR		Operbl.	Operbl.	Yes	12E-2389A/ D	MOTIVE/CONTROL-MCC 28-3	S
1015		16	D03-83250-3---B05	250V DC/ Battery Charger #3	12E-2321/ W/ B-8	Turbine	538' 0"	BC RM3 G-H/55	SR		Operbl.	Operbl.	Yes	12E-3389A/ F	MOTIVE/CONTROL-MCC 38-2	S
1016		3	N/A	4160V AC/ Breaker to CCSW Pump 2A (ROB-Swit. 23)	12E-2303-2/ L	Turbine	517' 6"	D-E/31-32	BR		Open	Closed	Yes	12E-2322B/ D	MOTIVE-N/A CONTROL-125V DC TB Main Bus #2A-1	S
1017		3	N/A	4160V AC/ Breaker to CCSW Pump 2B (ROB-Swit. 23)	12E-2303-2/ L	Turbine	517' 6"	D-E/31-32	BR		Open	Closed	Yes	12E-2322B/ D	MOTIVE-N/A CONTROL-125V DC TB Main Bus #2A-1	S
1018		3	N/A	4160V AC/ Breaker to CCSW Pump 2C (ROB-Swit. 24)	12E-2303-2/ L	Turbine	517' 6"	D-E/31-32	BR		Open	Closed	Yes	12E-2322B/ D	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S

LINE NO. (1)	TRAIN (2)	EQUIP CLASS (3)	MARK NO. (4)	SYSTEM/EQUIPMENT DESCRIPTION (5)	Dwg. No./Rev./Zone (6)	<--------- Building (7)	EQUIPMENT Flr.Elv. (8)	LOCATION -----> Rm. or Row/Col. (9)	SORT (10)	NOTES (11)	<-- OP. Normal (12)	ST. --> Desired (13)	POWER REQD? (14)	SUPPORTING SYS. DWG. NO./REV. (15)	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS (16)	REG. ISSUE (17)
1019		3	N/A	4160V AC/ Breaker to CCSW Pump 2D (ROB-Swit. 24)	12E-2303-2/ L	Turbine	517' 6"	D-E/31-32	BR		Open	Closed	Yes	12E-2322B/ D	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1020		3	N/A	4160V AC/ Breaker to CCSW Pump 3A (ROB-Swit. 33)	12E-3303/ J/ D-4	Turbine	538' 0"	D-E/54-55	BR		Open	Closed	Yes	12E-3322B/ C	MOTIVE-N/A CONTROL-125V DC TB Main Bus #3A-1	S
1021		3	N/A	4160V AC/ Breaker to CCSW Pump 3B (ROB-Swit. 33)	12E-3303/ J/ D-4	Turbine	538' 0"	D-E/54-55	BR		Open	Closed	Yes	12E-3322B/ C	MOTIVE-N/A CONTROL-125V DC TB Main Bus #3A-1	S
1022		3	N/A	4160V AC/ Breaker to CCSW Pump 3C (ROB-Swit. 34)	12E-3303/ J/ B-5	Turbine	538' 0"	D-E/54-55	BR		Open	Closed	Yes	12E-3322B/ C	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1023		3	N/A	4160V AC/ Breaker to CCSW Pump 3D (ROB-Swit. 34)	12E-3303/ J/ B-5	Turbine	538' 0"	D-E/54-55	BR		Open	Closed	Yes	12E-3322B/ C	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1024		3	N/A	4160V AC/ Breaker to CS Pump 1401-2A (ROB-Swit. 23-1)	12E-2304/ S/ B-4	Reactor	545' 6"	M-N/39-40	BR		Open	Closed	Yes	12E-2429-1/ AB	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #2	S
1025		3	N/A	4160V AC/ Breaker to CS Pump 1401-2B (ROB-Swit. 24-1)	12E-2304/ S/ D-4	Reactor	545' 6"	M-N/41-42	BR		Open	Closed	Yes	12E-2429-2/ AB	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1026		3	N/A	4160V AC/ Breaker to CS Pump 1401-3A (ROB-Swit. 33-1)	12E-3304/ Q/ D-2	Reactor	545' 6"	M-N/46-47	BR		Open	Closed	Yes	12E-3429-1/ U	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #3	S
1027		3	N/A	4160V AC/ Breaker to CS Pump 1401-3B (ROB-Swit. 34-1)	12E-3304/ Q/ B-7	Reactor	545' 6"	M-N/48-49	BR		Open	Closed	Yes	12E-3429-2/ V	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1028		3	D00-6723-33	4160V AC/ Breaker to Diesel Gen 2/3 (ROB-Swit. 23-1)	12E-2304/ S/ B-7	Reactor	545' 6"	M-N/39-40	BR		Open	Operbl.	Yes	12E-2345-1/ AT	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #2	S
1029		3	D00-6733-33	4160V AC/ Breaker to Diesel Gen. 2/3 (ROB-Swit. 33-1)	12E-3304/ Q/ D-7	Reactor	545' 6"	M-N/46-47	BR		Open	Operbl.	Yes	12E-3345-1/ AP	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #3	S
1030		3	D02-6724-22	4160V AC/ Breaker to Diesel Gen 2 (ROB-Swit. 24-1)	12E-2304/ S/ D-7	Reactor	545' 6"	M-N/41-42	BR		Open	Operbl.	Yes	12E-2346-2/ AN	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1031		3	D03-6734-27	4160V AC/ Breaker to Diesel Gen. 3 (ROB-Swit. 34-1)	12E-3304/ Q/ B-1	Reactor	545' 6"	M-N/48-49	BR		Open	Operbl.	Yes	12E-3346-1/ AL	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1032		3	N/A	4160V AC/ Breaker to LPCI Pump 2A (ROB-Swit. 23-1)	12E-2304/ S/ B-3	Reactor	545' 6"	M-N/39-40	BR		Open	Closed	Yes	12E-2322B/ D	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #2	S
1033		3	N/A	4160V AC/ Breaker to LPCI Pump 2B (ROB-Swit. 23-1)	12E-2304/ S/ B-3	Reactor	545' 6"	M-N/39-40	BR		Open	Closed	Yes	12E-2322B/ D	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #2	S
1034		3	N/A	4160V AC/ Breaker to LPCI Pump 2C (ROB-Swit. 24-1)	12E-2304/ S/ D-6	Reactor	545' 6"	M-N/41-42	BR		Open	Closed	Yes	12E-2322B/ D	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- EQUIPMENT Building	Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. Normal	ST. --> Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1035		3	N/A	4160V AC/ Breaker to LPCI Pump 2D (ROB-Swit. 24-1)	12E-2304/ S/ D-6	Reactor	545' 6"	M-N/41-42	BR		Open	Closed	Yes	12E-2322B/ D	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1036		3	N/A	4160V AC/ Breaker to LPCI Pump 3A (ROB-Swit. 33-1)	12E-3304/ Q/ D-6	Reactor	545' 6"	M-N/46-47	BR		Open	Closed	Yes	12E-3322B/ C	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #3	S
1037		3	N/A	4160V AC/ Breaker to LPCI Pump 3B (ROB-Swit. 33-1)	12E-3304/ Q/ D-6	Reactor	545' 6"	M-N/46-47	BR		Open	Closed	Yes	12E-3322B/ C	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #3	S
1038		3	N/A	4160V AC/ Breaker to LPCI Pump 3C (ROB-Swit. 34-1)	12E-3304/ Q/ B-3	Reactor	545' 6"	M-N/48-49	BR		Open	Closed	Yes	12E-3322B/ C	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1039		3	N/A	4160V AC/ Breaker to LPCI Pump 3D (ROB-Swit. 34-1)	12E-3304/ Q/ B-3	Reactor	545' 6"	M-N/48-49	BR		Open	Closed	Yes	12E-3322B/ C	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1040		3	N/A	4160V AC/ Breaker to RBCCW Pump 2/3 (ROB-Swit. 24-1)	12E-2304/ S/ D-6	Reactor	545' 6"	M-N/41-42	BR		Open	Open	Yes	12E-2322B/ D	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1041		3	N/A	4160V AC/ Breaker to RBCCW Pump 2/3 (ROB-Swit. 34-1)	12E-3304/ Q/ B-4	Reactor	545' 6"	M-N/48-49	BR		Open	Open	Yes	12E-3322B/ C	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1042		3	N/A	4160V AC/ Breaker to RBCCW Pump 2A (ROB-Swit. 23-1)	12E-2304/ S/ B-6	Reactor	545' 6"	M-N/39-40	BR		Closed	Open	No	12E-2322B/ D	MOTIVE/CONTROL-N/A	S
1043		3	N/A	4160V AC/ Breaker to RBCCW Pump 2B (ROB-Swit. 24-1)	12E-2304/ S/ D-6	Reactor	545' 6"	M-N/41-42	BR		Closed	Open	No	12E-2322B/ D	MOTIVE/CONTROL-N/A	S
1044		3	N/A	4160V AC/ Breaker to RBCCW Pump 3A (ROB-Swit. 33-1)	12E-3304/ Q/ D-4	Reactor	545' 6"	M-N/46-47	BR		Closed	Open	No	12E-3322B/ C	MOTIVE/CONTROL-N/A	S
1045		3	N/A	4160V AC/ Breaker to RBCCW Pump 3B (ROB-Swit. 34-1)	12E-3304/ Q/ B-4	Reactor	545' 6"	M-N/48-49	BR		Closed	Open	No	12E-3322B/ C	MOTIVE/CONTROL-N/A	S
1046		3	D02-6723-11	4160V AC/ Breaker to Res Aux Trans 22 (ROB-Swit. 23)	12E-2303-2/ L	Turbine	517' 6"	D-E/31-32	BR		Open	Operbl.	Yes	12E-2342/ AC	MOTIVE-N/A CONTROL-125V DC TB Main Bus #2A-1	S
1047		3	D02-6724-05	4160V AC/ Breaker to Res Aux Trans 22 (ROB-Swit. 24)	12E-2303-2/ L	Turbine	517' 6"	D-E/31-32	BR		Closed	Operbl.	Yes	12E-2343/ AC	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1048		3	D03-6733-03	4160V AC/ Breaker to Res Aux Trans 32 (ROB-Swit. 33)	12E-3303/ J/ D-3	Turbine	538' 0"	D-E/54-55	BR		Open	Operbl.	Yes	12E-3342/ W	MOTIVE-N/A CONTROL-125V DC TB Main Bus #3A-1	S
1049		3	D03-6734-11	4160V AC/ Breaker to Res Aux Trans 32 (ROB-Swit. 34)	12E-3303/ J/ B-5	Turbine	538' 0"	D-E/54-55	BR		Closed	Operbl.	Yes	12E-3343/ X	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1050		3	N/A	4160V AC/ Breaker to RWCU Pump 1205-A (ROB-Swit. 23-1)	12E-2304/ S/ B-4	Reactor	545' 6"	M-N/39-40	BR		Closed	Open	Yes	12E-2520/ V	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #2	S
1051		3	N/A	4160V AC/ Breaker to RWCU Pump 1205-A (ROB-Swit. 33-1)	12E-3304/ Q/ D-2	Reactor	545' 6"	M-N/46-47	BR		Closed	Open	Yes	12E-3520/ V	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #3	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- Building	EQUIPMENT Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. ST. --> Normal	Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1052		3	N/A	4160V AC/ Breaker to RWCU Pump 1205-B (ROB-Swit. 24-1)	12E-2304/ S/ D-4	Reactor	545' 6"	M-N/41-42	BR		Closed	Open	Yes	12E-2520/ V	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1053		3	N/A	4160V AC/ Breaker to RWCU Pump 1205-B (ROB-Swit. 34-1)	12E-3304/ Q/ B-7	Reactor	545' 6"	M-N/48-49	BR		Closed	Open	Yes	12E-3520/ V	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1054		3	N/A	4160V AC/ Breaker to SDC Pump 1002-A (ROB-Swit. 23-1)	12E-2304/ S/ B-4	Reactor	545' 6"	M-N/39-40	BR		Closed	Open	Yes	12E-2516/ K	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #2	S
1055		3	N/A	4160V AC/ Breaker to SDC Pump 1002-A (ROB-Swit. 33-1)	12E-3304/ Q/ D-2	Reactor	545' 6"	M-N/46-47	BR		Closed	Open	Yes	12E-3516/ F	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #3	S
1056		3	N/A	4160V AC/ Breaker to SDC Pump 1002-B (ROB-Swit. 24-1)	12E-2304/ S/ D-4	Reactor	545' 6"	M-N/41-42	BR		Closed	Open	Yes	12E-2516/ K	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1057		3	N/A	4160V AC/ Breaker to SDC Pump 1002-B (ROB-Swit. 34-1)	12E-3304/ Q/ B-7	Reactor	545' 6"	M-N/48-49	BR		Closed	Open	Yes	12E-3516/ F	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1058		3	N/A	4160V AC/ Breaker to SDC Pump 1002-C (ROB-Swit. 23-1)	12E-2304/ S/ B-4	Reactor	545' 6"	M-N/39-40	BR		Closed	Open	Yes	12E-2516/ K	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #2	S
1059		3	N/A	4160V AC/ Breaker to SDC Pump 1002-C (ROB-Swit. 33-1)	12E-3304/ Q/ D-2	Reactor	545' 6"	M-N/46-47	BR		Closed	Open	Yes	12E-3516/ F	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #3	S
1060		3	N/A	4160V AC/ Breaker to SW Pump 2/3 (ROB-Swit. 24)	12E-2303-2/ L	Turbine	517' 6"	D-E/31-32	BR		Open	Open	Yes	12E-2322B/ D	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1061		3	N/A	4160V AC/ Breaker to SW Pump 2/3 (ROB-Swit. 34)	12E-3303/ J/ B-4	Turbine	534' 0"	D-E/54-55	BR		Open	Open	Yes	12E-3322B/ C	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1062		3	N/A	4160V AC/ Breaker to SW Pump 2A (ROB-Swit. 23)	12E-2303-2/ L	Turbine	517' 6"	D-E/31-32	BR		Closed	Open	No	12E-2322B/ D	MOTIVE/CONTROL-N/A	S
1063		3	N/A	4160V AC/ Breaker to SW Pump 2B (ROB-Swit. 24)	12E-2303-2/ L	Turbine	517' 6"	D-E/31-32	BR		Closed	Open	No	12E-2322B/ D	MOTIVE/CONTROL-N/A	S
1064		3	N/A	4160V AC/ Breaker to SW Pump 3A (ROB-Swit. 33)	12E-3303/ J/ D-4	Turbine	538' 0"	D-E/54-55	BR		Closed	Open	No	12E-3322B/ C	MOTIVE/CONTROL-N/A	S
1065		3	N/A	4160V AC/ Breaker to SW Pump 3B (ROB-Swit. 34)	12E-3303/ J/ B-4	Turbine	534' 0"	D-E/54-55	BR		Closed	Open	No	12E-3322B/ C	MOTIVE/CONTROL-N/A	S
1066		3	D02-6723-29	4160V AC/ Breaker to Switchgear 23 (ROB-Swit. 23-1)	12E-2304/ S/ B-5	Reactor	545' 6"	M-N/39-40	BR		Closed	Operbl.	Yes	12E-2344-2/ V	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #2	S
1067		3	D02-6723-02	4160V AC/ Breaker to Switchgear 23-1 (ROB-Swit. 23)	12E-2303-2/ L	Turbine	517' 6"	D-E/31-32	BR		Closed	Operbl.	Yes	12E-2344-1/ U	MOTIVE-N/A CONTROL-125V DC TB Main Bus #2A-1	S

LINE NO. (1)	TRAIN (2)	EQUIP CLASS (3)	MARK NO. (4)	SYSTEM/EQUIPMENT DESCRIPTION (5)	Dwg. No./Rev./Zone (6)	<--------- Building (7)	EQUIPMENT Flr.Elv. (8)	LOCATION -----> Rm. or Row/Col. (9)	SORT (10)	NOTES (11)	<-- OP. Normal (12)	ST. --> Desired (13)	POWER REQD? (14)	SUPPORTING SYS. DWG. NO./REV. (15)	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS (16)	REG. ISSUE (17)
1068		3	D03-6733-21	4160V AC/ Breaker to Switchgear 23-1 (ROB-Swit. 33-1)	12E-3304/ Q/ D-2	Reactor	545' 6"	M-N/46-47	BR		Open	Operbl.	Yes	12E-3345-3/ A	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #3	S
1069		3	D02-6724-30	4160V AC/ Breaker to Switchgear 24 (ROB-Swit. 24-1)	12E-2304/ S/ D-5	Reactor	545' 6"	M-N/41-42	BR		Closed	Operbl.	Yes	12E-2344-4/ T	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1070		3	D02-6724-11	4160V AC/ Breaker to Switchgear 24-1 (ROB-Swit. 24)	12E-2303-2/ L	Turbine	517' 6"	D-E/31-32	BR		Closed	Operbl.	Yes	12E-2344-3/ U	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1071		3	D03-6734-21	4160V AC/ Breaker to Switchgear 24-1 (ROB-Swit. 34-1)	12E-3304/ Q/ B-7	Reactor	545' 6"	M-N/48-49	BR		Open	Operbl.	Yes	12E-3346-1/ AK	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1072		3	D02-6723-27	4160V AC/ Breaker to Switchgear 28 (ROB-Swit. 23-1)	12E-2304/ S/ B-3	Reactor	545' 6"	M-N/39-40	BR		Closed	Closed	No	12E-2349-1/ AC	MOTIVE/CONTROL-N/A	S
1073		3	D02-6724-26	4160V AC/ Breaker to Switchgear 29 (ROB-Swit. 24-1)	12E-2304/ S/ D-6	Reactor	545' 6"	M-N/41-42	BR		Closed	Closed	No	12E-2349-2/ AD	MOTIVE/CONTROL-N/A	S
1074		3	D03-6733-23	4160V AC/ Breaker to Switchgear 33 (ROB-Swit. 33-1)	12E-3304/ Q/ D-5	Reactor	545' 6"	M-N/46-47	BR		Closed	Operbl.	Yes	12E-3344-2/ W	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #3	S
1075		3	D02-6723-32	4160V AC/ Breaker to Switchgear 33-1 (ROB-Swit. 23-1)	12E-2304/ S/ B-4	Reactor	545' 6"	M-N/39-40	BR		Open	Operbl.	Yes	12E-2345-4/ B	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #2	S
1076		3	D03-6733-10	4160V AC/ Breaker to Switchgear 33-1 (ROB-Swit. 33)	12E-3303/ J/ D-5	Turbine	538' 0"	D-E/54-55	BR		Closed	Operbl.	Yes	12E-3344-1/ V	MOTIVE-N/A CONTROL-125V DC TB Main Bus #3A-1	S
1077		3	D03-6734-32	4160V AC/ Breaker to Switchgear 34 (ROB-Swit. 34-1)	12E-3304/ Q/ B-5	Reactor	545' 6"	M-N/48-49	BR		Closed	Operbl.	Yes	12E-3344-4/ U	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1078		3	D02-6724-32	4160V AC/ Breaker to Switchgear 34-1 (ROB-Swit. 24-1)	12E-2304/ S/ D-4	Reactor	545' 6"	M-N/41-42	BR		Open	Operbl.	Yes	12E-2346-1/ AH	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1079		3	D03-6734-03	4160V AC/ Breaker to Switchgear 34-1 (ROB-Swit. 34)	12E-3303/ J/ B-4	Turbine	538' 0"	D-E/54-55	BR		Closed	Operbl.	Yes	12E-3344-3/ T	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1080		3	D03-6733-25	4160V AC/ Breaker to Switchgear 38 (ROB-Swit. 33-1)	12E-3304/ Q/ D-6	Reactor	545' 6"	M-N/46-47	BR		Closed	Closed	No	12E-3349/ S	MOTIVE/CONTROL-N/A	S
1081		3	D03-6734-26	4160V AC/ Breaker to Switchgear 39 (ROB-Swit. 34-1)	12E-3304/ Q/ B-6	Reactor	545' 6"	M-N/48-49	BR		Closed	Closed	No	12E-3349/ S	MOTIVE/CONTROL-N/A	S
1082		3	D02-6723-03	4160V AC/ Breaker to Unit Aux Trans 21 (ROB-Swit. 23)	12E-2303-2/ L	Turbine	517' 6"	D-E/31-32	BR		Closed	Operbl.	Yes	12E-2342/ AC	MOTIVE-N/A CONTROL-125V DC TB Main Bus #2A-1	S
1083		3	D02-6724-13	4160V AC/ Breaker to Unit Aux Trans 21 (ROB-Swit. 24)	12E-2303-2/ L	Turbine	517' 6"	D-E/31-32	BR		Open	Open	No	12E-2343/ AC	MOTIVE/CONTROL-N/A	S
1084		3	D03-6733-12	4160V AC/ Breaker to Unit Aux Trans 31 (ROB-Swit. 33)	12E-3303/ J/ D-5	Turbine	538' 0"	D-E/54-55	BR		Closed	Operbl.	Yes	12E-3342/ W	MOTIVE-N/A CONTROL-125V DC TB Main Bus #3A-1	S

LINE NO. (1)	TRAIN (2)	EQUIP CLASS (3)	MARK NO. (4)	SYSTEM/EQUIPMENT DESCRIPTION (5)	Dwg. No./Rev./Zone (6)	<--------- Building (7)	EQUIPMENT Flr.Elv. (8)	LOCATION -----> Rm. or Row/Col. (9)	SORT (10)	NOTES (11)	<-- OP. ST. --> Normal (12)	Desired (13)	POWER REQD? (14)	SUPPORTING SYS. DWG. NO./REV. (15)	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS (16)	REG. ISSUE (17)
1085		3	D03-6734-01	4160V AC/ Breaker to Unit Aux Trans 31 (ROB-Swit. 34)	12E-3303/ J/ B-3	Turbine	538' 0"	D-E/54-55	BR		Open	Open	No	12E-3343/ X	MOTIVE/CONTROL-N/A	S
1086		3	D00-6740------S35	4160V AC/ Switchgear 40	N/A	Reactor	504' 6"	DG RM2/3 N/46	SR	5	N/A	N/A	No	12E-6631/ G	MOTIVE/CONTROL-N/A	S
1087		2	D02-7329-0294CS35	480V AC/ Breaker to MCC 29-1 (ROB-Switchgear 29)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Closed	No	12E-2374/ AB	MOTIVE/CONTROL-N/A	S
1088		2	D02-7329-0293DS35	480V AC/ Breaker to MCC 29-2,4 (ROB-Switchgear 29)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Closed	No	12E-2374/ AB	MOTIVE/CONTROL-N/A	S
1089		2	D02-7329-0294DS35	480V AC/ Breaker to MCC 29-8 (ROB-Switchgear 29)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Operbl.	Yes	12E-2349-2/ AD	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1090		2	D02-7329-0293BS35	480V AC/ Breaker to MCC 29-7 (ROB-Switchgear 29)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Operbl.	Yes	12E-2374/ AB	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1091		2	D02-7329-0296AS35	480V AC/ Breaker to Drywell Fan C (ROB-Switchgear 29)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Open	No	12E-2306/ W	MOTIVE/CONTROL-N/A	S
1092		2	D02-7329-0296BS35	480V AC/ Breaker to Drywell Fan D (ROB-Switchgear 29)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Open	No	12E-2306/ W	MOTIVE/CONTROL-N/A	S
1093		2	D02-7329-0296CS35	480V AC/ Breaker to Drywell Fan E (ROB-Switchgear 29)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Open	No	12E-2306/ W	MOTIVE/CONTROL-N/A	S
1094		2	D02-7329-0292CS35	480V AC/ Breaker to Switchgear 28 (ROB-Switchgear 29)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR	4	Open	Operbl.	Yes	12E-2349-3/ AC	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1095		2	D02-7329-0292BS35	480V AC/ Breaker to Transformer 29 (ROB-Switchgear 29)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR	4	Closed	Operbl.	Yes	12E-2349-3/ AC	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1096		2	D02-7328-0284AS35	480V AC/ Breaker to MCC 28-1 (ROB-Switchgear 28)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Closed	No	12E-2374/ AB	MOTIVE/CONTROL-N/A	S
1097		2	D02-7328-0284BS35	480V AC/ Breaker to MCC 28-2 (ROB-Switchgear 28)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Closed	No	12E-2374/ AB	MOTIVE/CONTROL-N/A	S
1098		2	D02-7328-0284DS35	480V AC/ Breaker to MCC 28-3 (ROB-Switchgear 28)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Closed	No	12E-2374/ AB	MOTIVE/CONTROL-N/A	S
1099		2	D02-7328-0285AS35	480V AC/ Breaker to MCC 28-7 (ROB-Switchgear 28)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Open	Operbl.	Yes	12E-2662E/ B	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #2, TB Res Bus #2B-1	S
1100		2	D02-7328-0286AS35	480V AC/ Breaker to Drywell Fan A (ROB-Switchgear 28)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Open	No	12E-2606/ W	MOTIVE/CONTROL-N/A	S
1101		2	D02-7328-0286BS35	480V AC/ Breaker to Drywell Fan B (ROB-Switchgear 28)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Open	No	12E-2606/ W	MOTIVE/CONTROL-N/A	S
1102		2	D02-7328-0286CS35	480V AC/ Breaker to Drywell Fan F (ROB-Switchgear 28)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Open	No	12E-2606/ W	MOTIVE/CONTROL-N/A	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- EQUIPMENT Building	Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. ST. --> Normal	Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1103		2	D02-7328-0286DS35	480V AC/ Breaker to Drywell Fan G (ROB-Switchgear 28)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR		Closed	Open	No	12E-2606/ W	MOTIVE/CONTROL-N/A	S
1104		2	D02-7328-0282CS35	480V AC/ Breaker to Switchgear 29 (ROB-Switchgear 28)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR	4	Open	Operbl.	Yes	12E-2349-3/ AC	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #2	S
1105		2	D02-7328-0282BS35	480V AC/ Breaker to Transformer 28 (ROB-Switchgear 28)	12E-2306/ W	Reactor	570' 0"	M-N/40-41	BR	4	Closed	Operbl.	Yes	12E-2349-2/ AD	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #2	S
1106		2	D03-7339-0393BS35	480V AC/ Breaker to MCC 39-1 (ROB-Switchgear 39)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Closed	Closed	No	12E-3374/ U	MOTIVE/CONTROL-N/A	S
1107		2	D03-7339-0393DS35	480V AC/ Breaker to MCC 39-2 (ROB-Switchgear 39)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Closed	Closed	No	12E-3374/ U	MOTIVE/CONTROL-N/A	S
1108		2	D03-7339-0394CS35	480V AC/ Breaker to MCC 39-7 (ROB-Switchgear 39)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Closed	Operbl.	Yes	12E-3374/ U	MOTIVE-N/A CONTROL-125V DC TB Res Bus #38-1	S
1109		2	D03-7339-0396AS35	480V AC/ Breaker to Drywell Fan C (ROB-Switchgear 39)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Closed	Open	No	12E-3306/ Q	MOTIVE/CONTROL-N/A	S
1110		2	D03-7339-0396BS35	480V AC/ Breaker to Drywell Fan D (ROB-Switchgear 39)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Closed	Open	No	12E-3306/ Q	MOTIVE/CONTROL-N/A	S
1111		2	D03-7339-0396CS35	480V AC/ Breaker to Drywell Fan E (ROB-Switchgear 39)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Closed	Open	No	12E-3306/ Q	MOTIVE/CONTROL-N/A	S
1112		2	D03-7339-0392CS35	480V AC/ Breaker to Switchgear 38 (ROB-Switchgear 39)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR	4	Open	Operbl.	Yes	12E-3349/ S	MOTIVE-N/A CONTROL-125V DC TB Res Bus #38-1	S
1113		2	D03-7339-0392BS35	480V AC/ Breaker to Transformer 39 (ROB-Switchgear 39)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR	4	Closed	Operbl.	Yes	12E-3349/ S	MOTIVE-N/A CONTROL-125V DC TB Res Bus #38-1	S
1114		2	D03-7338-0384AS35	480V AC/ Breaker to MCC 38-1,4 (ROB-Switchgear 38)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Closed	Closed	No	12E-3374/ U	MOTIVE/CONTROL-N/A	S
1115		2	D03-7338-0384BS35	480V AC/ Breaker to MCC 38-2 (ROB-Switchgear 38)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Closed	Closed	No	12E-3374/ U	MOTIVE/CONTROL-N/A	S
1116		2	D03-7338-0384DS35	480V AC/ Breaker to MCC 38-3 (ROB-Switchgear 38)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Closed	Closed	No	12E-3374/ U	MOTIVE/CONTROL-N/A	S
1117		2	D03-7338-0385AS35	480V AC/ Breaker to MCC 38-7 (ROB-Switchgear 38)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Open	Operbl.	Yes	12E-3662E/ B	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #3, TB Res Bus #38-1	S
1118		2	D03-7338-0386AS35	480V AC/ Breaker to Drywell Fan A (ROB-Switchgear 38)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Closed	Open	No	12E-3306/ Q	MOTIVE/CONTROL-N/A	S
1119		2	D03-7338-0386BS35	480V AC/ Breaker to Drywell Fan B (ROB-Switchgear 38)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Closed	Open	No	12E-3306/ Q	MOTIVE/CONTROL-N/A	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- Building	EQUIPMENT Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. ST. --> Normal	Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1120		2	D03-7338-0386CS35	480V AC/ Breaker to Drywell Fan F (ROB-Switchgear 38)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Closed	Open	No	12E-3306/ Q	MOTIVE/CONTROL-N/A	S
1121		2	D03-7338-0386DS35	480V AC/ Breaker to Drywell Fan G (ROB-Switchgear 38)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR		Closed	Open	No	12E-3306/ Q	MOTIVE/CONTROL-N/A	S
1122		2	D03-7338-0382CS35	480V AC/ Breaker to Switchgear 39 (ROB-Switchgear 38)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR	4	Open	Operbl.	Yes	12E-3349/ S	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #3	S
1123		2	D03-7338-0382BS35	480V AC/ Breaker to Transformer 38 (ROB-Switchgear 38)	12E-3306/ Q	Reactor	570' 0"	M-N/47-48	BR	4	Closed	Operbl.	Yes	12E-3349/ S	MOTIVE-N/A CONTROL-125V DC RB Distribution Panel #3	S
1124		8B	D02-0203-0003AV26	ADS/ Target Rock Valve	M-12-1/ NR/ F-7	Reactor	537' 0"	DRYWELL	SR	2	Closed	Operbl.	Yes	12E-2461-1/ AW	MOTIVE-Instrument Air CONTROL-125V DC TB Main Bus #2A-1, TB Res Bus #2B-1	S
1125		8B	D02-0203-0003BV26	ADS/ Electromatic Relief Valve	M-12-1/ NR/ E-7	Reactor	537' 0"	DRYWELL	SR	2	Closed	Operbl.	Yes	12E-2461-1/ AW	MOTIVE-N/A CONTROL-125V DC TB Main Bus #2A-1, TB Res Bus #2B-1	S
1126		8B	D02-0203-0003CV26	ADS/ Electromatic Relief Valve	M-12-1/ NR/ D-7	Reactor	537' 0"	DRYWELL	SR	2	Closed	Operbl.	Yes	12E-2461-1/ AW	MOTIVE-N/A CONTROL-125V DC TB Main Bus #2A-1, TB Res Bus #2B-1	S
1127		8B	D02-0203-0003DV26	ADS/ Electromatic Relief Valve	M-12-1/ NR/ B-7	Reactor	537' 0"	DRYWELL	SR	2	Closed	Operbl.	Yes	12E-2461-1/ AW	MOTIVE-N/A CONTROL-125V DC TB Main Bus #2A-1, TB Res Bus #2B-1	S
1128		8B	D02-0203-0003EV26	ADS/ Electromatic Relief Valve	M-12-1/ NR/ E-6	Reactor	537' 0"	DRYWELL	SR	2	Closed	Operbl.	Yes	12E-2461-1/ AW	MOTIVE-N/A CONTROL-125V DC TB Main Bus #2A-1, TB Res Bus #2B-1	S
1129		8B	D03-0203-0003AV26	ADS/ Target Rock Valve	M-345-1/ AH/ F-7	Reactor	537' 0"	DRYWELL	SR	2	Closed	Operbl.	Yes	12E-3461-1/ AL	MOTIVE-Instrument Air CONTROL-125V DC TB Main Bus #3A-1, TB Res Bus #3B-1	S
1130		8B	D03-0203-0003BV26	ADS/ Electromatic Relief Valve	M-345-1/ AH/ E-7	Reactor	537' 0"	DRYWELL	SR	2	Closed	Operbl.	Yes	12E-3461-1/ AL	MOTIVE-N/A CONTROL-125V DC TB Main Bus #3A-1, TB Res Bus #3B-1	S
1131		8B	D03-0203-0003CV26	ADS/ Electromatic Relief Valve	M-345-1/ AH/ D-7	Reactor	537' 0"	DRYWELL	SR	2	Closed	Operbl.	Yes	12E-3461-1/ AL	MOTIVE-N/A CONTROL-125V DC TB Main Bus #3A-1, TB Res Bus #3B-1	S
1132		8B	D03-0203-0003DV26	ADS/ Electromatic Relief Valve	M-345-1/ AH/ B-7	Reactor	537' 0"	DRYWELL	SR	2	Closed	Operbl.	Yes	12E-3461-1/ AL	MOTIVE-N/A CONTROL-125V DC TB Main Bus #3A-1, TB Res Bus #3B-1	S
1133		8B	D03-0203-0003EV26	ADS/ Electromatic Relief Valve	M-345-1/ AH/ E-6	Reactor	537' 0"	DRYWELL	SR	2	Closed	Operbl.	Yes	12E-3461-1/ AL	MOTIVE-N/A CONTROL-125V DC TB Main Bus #3A-1, TB Res Bus #3B-1	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- EQUIPMENT Building	Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. ST. --> Normal	Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1134		5	D02-1501-0044AP30	CCSW/ CCSW Pump "A"	M-29-2/ Z/ B-3	Turbine	495' 0"	D/36	SR	1,2	Off	On	Yes	12E-2435-1/ Y	MOTIVE-4160V AC Switchgear 23 CONTROL-125V DC TB Main Bus #2A-1	S
1135		5	D02-1501-0044BP30	CCSW/ CCSW Pump "B"	M-29-2/ Z/ C-3	Turbine	495' 0"	VAULT RM D/38	SR	1,2	Off	On	Yes	12E-2435-1/ Y	MOTIVE-4160V AC Switchgear 23 CONTROL-125V DC TB Main Bus #2A-1	S
1136		5	D02-1501-0044CP30	CCSW/ CCSW Pump "C"	M-29-2/ Z/ E-3	Turbine	495' 0"	VAULT RM D/38	SR	1,2	Off	On	Yes	12E-2435-2/ Y	MOTIVE-4160V AC Switchgear 24 CONTROL-125V DC TB Res Bus #2B-1	S
1137		5	D02-1501-0044DP30	CCSW/ CCSW Pump "D"	M-29-2/ Z/ F-3	Turbine	495' 0"	D/39	SR	1,2	Off	On	Yes	12E-2435-2/ Y	MOTIVE-4160V AC Switchgear 24 CONTROL-125V DC TB Res Bus #2B-1	S
1138		5	D03-1501-0044AP30	CCSW/ CCSW Pump "A"	M-360-2/ X/ B-3	Turbine	495' 0"	D/49	SR	1,2	Off	On	Yes	12E-3435-1/ S	MOTIVE-4160V AC Switchgear 33 CONTROL-125V DC TB Main Bus #3A-1	S
1139		5	D03-1501-0044BP30	CCSW/ CCSW Pump "B"	M-360-2/ X/ C-3	Turbine	495' 0"	VAULT RM D/50	SR	1,2	Off	On	Yes	12E-3435-1/ S	MOTIVE-4160V AC Switchgear 33 CONTROL-125V DC TB Main Bus #3A-1	S
1140		5	D03-1501-0044CP30	CCSW/ CCSW Pump "C"	M-360-2/ X/ E-2	Turbine	495' 0"	VAULT RM D/50	SR	1,2	Off	On	Yes	12E-3435-2/ S	MOTIVE-4160V AC Switchgear 34 CONTROL-125V DC TB Res Bus #3B-1	S
1141		5	D03-1501-0044DP30	CCSW/ CCSW Pump "D"	M-360-2/ X/ F-2	Turbine	495' 0"	D/52	SR	1,2	Off	On	Yes	12E-3435-2/ S	MOTIVE-4160V AC Switchgear 34 CONTROL-125V DC TB Res Bus #3B-1	S
1142		21	D02-5700-30A1-F05	CCSW/ CCSW Pump Cooler "A" Fan (ROB-Pump Cooler)	M-29-2/ Z/ D-3	Turbine	495' 0"	VAULT RM D/38	BR	1	Off	On	Yes	12E-2675A/ AH	MOTIVE-MCC 28-2 CONTROL-MCC 28-2, 125V DC TB Main Bus #2A-1	S
1143		21	D02-5700-30A2-F05	CCSW/ CCSW Pump Cooler "A" Fan (ROB-Pump Cooler)	M-29-2/ Z/ D-3	Turbine	495' 0"	VAULT RM D/38	BR	1	Off	On	Yes	12E-2675C/ AA	MOTIVE-MCC 28-2 CONTROL-MCC 28-2, 125V DC TB Main Bus #2A-1	S
1144		21	D02-5700-30B1-F05	CCSW/ CCSW Pump Cooler "B" Fan (ROB-Pump Cooler)	M-29-2/ Z/ D-3	Turbine	495' 0"	VAULT RM D/38	BR	1	Off	On	Yes	12E-2675C/ AA	MOTIVE-MCC 28-2 CONTROL-MCC 28-2, 125V DC TB Main Bus #2A-1	S
1145		21	D02-5700-30B2-F05	CCSW/ CCSW Pump Cooler "B" Fan (ROB-Pump Cooler)	M-29-2/ Z/ D-3	Turbine	495' 0"	VAULT RM D/38	BR	1	Off	On	Yes	12E-2675C/ AA	MOTIVE-MCC 28-2 CONTROL-MCC 28-2, 125V DC TB Main Bus #2A-1	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- EQUIPMENT Building	Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. Normal	ST. --> Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1146		21	D02-5700-30C1-F05	CCSW/ CCSW Pump Cooler "C" Fan (ROB-Pump Cooler)	M-29-2/ Z/ F-3	Turbine	495' 0"	VAULT RM D/38	BR	1	Off	On	Yes	12E-2678C/ F	MOTIVE-MCC 29-2 CONTROL-MCC 29-2, 125V DC TB Res Bus #2B-1	S
1147		21	D02-5700-30C2-F05	CCSW/ CCSW Pump Cooler "C" Fan (ROB-Pump Cooler)	M-29-2/ Z/ F-3	Turbine	495' 0"	VAULT RM D/38	BR	1	Off	On	Yes	12E-2678C/ F	MOTIVE-MCC 29-2 CONTROL-MCC 29-2, 125V DC TB Res Bus #2B-1	S
1148		21	D02-5700-30D1-F05	CCSW/ CCSW Pump Cooler "D" Fan (ROB-Pump Cooler)	M-29-2/ Z/ F-3	Turbine	495' 0"	VAULT RM D/38	BR	1	Off	On	Yes	12E-2678C/ F	MOTIVE-MCC 29-2 CONTROL-MCC 29-2, 125V DC TB Res Bus #2B-1	S
1149		21	D02-5700-30D2-F05	CCSW/ CCSW Pump Cooler "D" Fan (ROB-Pump Cooler)	M-29-2/ Z/ F-3	Turbine	495' 0"	VAULT RM D/38	BR	1	Off	On	Yes	12E-2678C/ F	MOTIVE-MCC 29-2 CONTROL-MCC 29-2, 125V DC TB Res Bus #2B-1	S
1150		21	D03-5700-30A1-F05	CCSW/ CCSW Pump Cooler "A" Fan (ROB-Pump Cooler)	M-360-2/ X/ D-3	Turbine	495' 0"	VAULT RM D/50	BR	1	Off	On	Yes	12E-3676B/ T	MOTIVE-MCC 38-3 CONTROL-MCC 38-3, 125V DC TB Main Bus #3A-1	S
1151		21	D03-5700-30A2-F05	CCSW/ CCSW Pump Cooler "A" Fan (ROB-Pump Cooler)	M-360-2/ X/ D-3	Turbine	495' 0"	VAULT RM D/50	BR	1	Off	On	Yes	12E-3676B/ T	MOTIVE-MCC 38-3 CONTROL-MCC 38-3, 125V DC TB Main Bus #3A-1	S
1152		21	D03-5700-30B1-F05	CCSW/ CCSW Pump Cooler "B" Fan (ROB-Pump Cooler)	M-360-2/ X/ D-3	Turbine	495' 0"	VAULT RM D/50	BR	1	Off	On	Yes	12E-3676B/ T	MOTIVE-MCC 38-3 CONTROL-MCC 38-3, 125V DC TB Main Bus #3A-1	S
1153		21	D03-5700-30B2-F05	CCSW/ CCSW Pump Cooler "B" Fan (ROB-Pump Cooler)	M-360-2/ X/ D-3	Turbine	495' 0"	VAULT RM D/50	BR	1	Off	On	Yes	12E-3676B/ T	MOTIVE-MCC 38-3 CONTROL-MCC 38-3, 125V DC TB Main Bus #3A-1	S
1154		21	D03-5700-30C1-F05	CCSW/ CCSW Pump Cooler "C" Fan (ROB-Pump Cooler)	M-360-2/ X/ F-3	Turbine	495' 0"	VAULT RM D/50	BR	1	Off	On	Yes	12E-3678A/ U	MOTIVE-MCC 39-2 CONTROL-MCC 39-2, 125V DC TB Res Bus #3B-1	S
1155		21	D03-5700-30C2-F05	CCSW/ CCSW Pump Cooler "C" Fan (ROB-Pump Cooler)	M-360-2/ X/ F-3	Turbine	495' 0"	VAULT RM D/50	BR	1	Off	On	Yes	12E-3678A/ U	MOTIVE-MCC 39-2 CONTROL-MCC 39-2, 125V DC TB Res Bus #3B-1	S
1156		21	D03-5700-30D1-F05	CCSW/ CCSW Pump Cooler "D" Fan (ROB-Pump Cooler)	M-360-2/ X/ F-3	Turbine	495' 0"	VAULT RM D/50	BR	1	Off	On	Yes	12E-3678B/ Z	MOTIVE-MCC 39-2 CONTROL-MCC 39-2, 125V DC TB Res Bus #3B-1	S
1157		21	D03-5700-30D2-F05	CCSW/ CCSW Pump Cooler "D" Fan (ROB-Pump Cooler)	M-360-2/ X/ F-3	Turbine	495' 0"	VAULT RM D/50	BR	1	Off	On	Yes	12E-3678B/ Z	MOTIVE-MCC 39-2 CONTROL-MCC 39-2, 125V DC TB Res Bus #3B-1	S
1158		8A	D02-1501-0003AV20	CCSW/ Heat Exchanger Outlet Service Water Line Valve	M-29-1/ BC/ F-8	Reactor	476' 6"	SE C.RM M-N/38	SR	1,2	Closed	Operbl.	Yes	12E-2440-1/ AC	MOTIVE-MCC 28-1 CONTROL-MCC 28-1, 125V DC Bus #2A-1, 120V AC Essen. Bus 902-50	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- EQUIPMENT Building	Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. ST. --> Normal	Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1159		8A	D02-1501-0003BV20	CCSW/ Heat Exchanger Outlet Service Water Line Valve	M-29-1/ BC/ F-2	Reactor	476' 6"	SW C.RM N/43	SR	1,2	Closed	Operbl.	Yes	12E-2440-1/ AC	MOTIVE-MCC 29-4 CONTROL-MCC 29-4, 125V DC Bus #2B-1, 120V AC Essen. Bus 902-49	S
1160		8A	D03-1501-0003AV20	CCSW/ Heat Exchanger Outlet Service Water Line Valve	M-360-1/ UR/ F-2	Reactor	476' 6"	SE C.RM M/44	SR	1,2	Closed	Operbl.	Yes	12E-3440-1/ Y	MOTIVE-MCC 38-1 CONTROL-MCC 38-1, 125V DC Bus #3A-1, 120V AC Essen. Bus 903-50	S
1161		8A	D03-1501-0003BV20	CCSW/ Heat Exchanger Outlet Service Water Line Valve	M-360-1/ UR/ F-10	Reactor	476' 6"	SW C.RM N/49	SR	1,2	Closed	Operbl.	Yes	12E-3440-1/ Y	MOTIVE-MCC 39-1 CONTROL-MCC 39-1, 125V DC Bus #3B-1, 120V AC Essen. Bus 903-49	S
1162		18	D02-1560-----A-FI	CCSW/ Pump "A" and "B" Flow Indicator (ROB-902-3)	M-29-2/ Z/ B-4	Turbine	534' 0"	C. RM PNL 902-3	BR		Operbl.	Operbl.	Yes	12E-6836/ D	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-50	S
1163		18	D02-1560-----B-FI	CCSW/ Pump "C" and "D" Flow Indicator (ROB-902-3)	M-29-2/ Z/ E-4	Turbine	534' 0"	C. RM PNL 902-3	BR		Operbl.	Operbl.	Yes	12E-6836/ D	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-49	S
1164		18	D03-1560-----A-FI	CCSW/ Pump "A" and "B" Flow Indicator (ROB-903-3)	M-360-2/ X/ B-3	Turbine	534' 0"	C. RM PNL 903-3	BR		Operbl.	Operbl.	Yes	12E-7827/ B	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-50	S
1165		18	D03-1560-----B-FI	CCSW/ Pump "C" and "D" Flow Indicator (ROB-903-3)	M-360-2/ X/ D-4	Turbine	534' 0"	C. RM PNL 903-3	BR		Operbl.	Operbl.	Yes	12E-7827/ B	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-49	S
1166		7	D00-5741-0048AV72	CONTROL ROOM VENTILATION/ CCSW Cooling Supply Valve	M-3121/ 10/ B-3	Turbine	534' 0"	VENT RM2/3 G/32	SR		Closed	Operbl.	Yes	12E-6811D/ 6	MOTIVE-N/A CONTROL-MCC 29-8	S
1167		7	D00-5741-0048BV72	CONTROL ROOM VENTILATION/ Service Water Supply Valve	M-3121/ 10/ B-3	Turbine	534' 0"	VENT RM2/3 G/32	SR		Closed	Operbl.	Yes	12E-6811D/ 6	MOTIVE/CONTROL-N/A	S
1168		8B	D00-5741-0054-V27	CONTROL ROOM VENTILATION/ Train "A" Iso. Damper Solen.	M-273-1/ C/ E-2	Turbine	549' 0"	H/32	SR	1	Energ	Deenerg	No	12E-6811A/ 5	MOTIVE-N/A CONTROL-MCC 29-8	S
1169		10	D00-5741-0055-D05	CONTROL ROOM VENTILATION/ AFU Booster Fan Outlet Damper	M-3121/ 10/ D-5	Turbine	534' 0"	VENT RM2/3 G/32	SR	1	Closed	Operbl.	Yes	12E-6811A/ 5	MOTIVE-N/A CONTROL-MCC 29-8	S
1170		10	D00-5741-0056-D05	CONTROL ROOM VENTILATION/ AFU Booster Fan Outlet Damper	M-3121/ 10/ D-5	Turbine	534' 0"	VENT RM2/3 G/32	SR		Closed	Closed	No	12E-6811A/ 5	MOTIVE-N/A CONTROL-MCC 29-8	S
1171		10	D00-5741-0057-D05	CONTROL ROOM VENTILATION/ AFU Recirculation Damper	M-3121/ 10/ B-7	Turbine	534' 0"	VENT RM2/3 G/32	SR		Closed	Operbl.	Yes	12E-6811A/ 5	MOTIVE-N/A CONTROL-MCC 29-8	S
1172		10	D00-5741-0058-D05	CONTROL ROOM VENTILATION/ AFU Inlet Damper	M-3121/ 10/ D-8	Turbine	534' 0"	VENT RM2/3 G/32	SR	1	Closed	Operbl.	Yes	12E-6811A/ 5	MOTIVE/CONTROL-MCC 29-8	S
1173		10	D00-5741-0059AD05	CONTROL ROOM VENTILATION/ AHU Outlet Damper	M-3121/ 10/ B-5	Turbine	534' 0"	VENT RM2/3 G/32	SR		Closed	Operbl.	Yes	12E-6811A/ 5	MOTIVE-N/A CONTROL-MCC 29-8	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- Building	EQUIPMENT Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. ST. --> Normal	Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1174		10	D00-5741-0059BD05	CONTROL ROOM VENTILATION/ AHU Inlet Damper	M-3121/ 10/ B-5	Turbine	534' 0"	VENT RM2/3 G/32	SR		Closed	Operbl.	Yes	12E-6811A/ 5	MOTIVE-N/A CONTROL-MCC 29-8	S
1175		10	D00-9400-0100-F05	CONTROL ROOM VENTILATION/ Air Handling Unit	M-3121/ 10/ B-7	Turbine	534' 0"	VENT RM2/3 G/32	SR	6	Off	Operbl.	Yes	12E-6811A/ 5	MOTIVE/CONTROL-MCC 29-8	S
1176		11	D00-9400-0101-F10	CONTROL ROOM VENTILATION/ Air Filtration Unit	M-3121/ 10/ D-6	Turbine	534' 0"	VENT RM2/3 G/32	SR	1,5,6	Off	Operbl.	Yes	12E-6811A/ 5	MOTIVE-N/A CONTROL-MCC 29-8	S
1177		11	D00-9400-0102-R15	CONTROL ROOM VENTILATION/ Refrigeration Condensing Unit	M-3121/ 10/ B-4	Turbine	534' 0"	VENT RM2/3 G/32	SR	1,6	Off	Operbl.	Yes	12E-6811J/ 3	MOTIVE/CONTROL-MCC 29-8	S
1178		9	D00-9400-0104AF05	CONTROL ROOM VENTILATION/ AFU Booster Fan	M-3121/ 10/ D-6	Turbine	534' 0"	VENT RM2/3 G/32	SR	1,6	Off	Operbl.	Yes	12E-6811A/ 5	MOTIVE-N/A CONTROL-MCC 29-8	S
1179		9	D00-9400-0104BF05	CONTROL ROOM VENTILATION/ AFU Booster Fan	M-3121/ 10/ D-6	Turbine	534' 0"	VENT RM2/3 G/32	SR	6	Off	Off	No	12E-6811A/ 5	MOTIVE-N/A CONTROL-MCC 29-8	S
1180		8B	D02-0302-0019AV27	CRD/ Backup Scram Solenoid Valve	M-34-2/ B/ B-3	Reactor	517' 6"	L/39	SR		Deenerg	Energ	Yes	12E-2465-2/ AD	MOTIVE-N/A CONTROL-125V DC TB Main Bus #2A-1	S
1181		8B	D02-0302-0019BV27	CRD/ Backup Scram Solenoid Valve	M-34-2/ B/ B-3	Reactor	517' 6"	L/39	SR		Deenerg	Energ	Yes	12E-2465-2/ AD	MOTIVE-N/A CONTROL-125V DC TB Main Bus #2B-1	S
1182		8B	D02-0302-0020AV27	CRD/ Scram Dump Solenoid Valve	M-34-2/ B/ B-3	Reactor	517' 6"	L/39	SR		Energ	Deenerg	No	12E-2465-2/ AD	MOTIVE/CONTROL-N/A	S
1183		8B	D02-0302-0020BV27	CRD/ Scram Dump Solenoid Valve	M-34-2/ B/ B-3	Reactor	517' 6"	L/39	SR		Energ	Deenerg	No	12E-2465-2/ AD	MOTIVE/CONTROL-N/A	S
1184		8B	D02-0302-0157AV27	CRD/ West Bank Scram Discharge Volume Drain Sol. Valve	M-34-2/ B/ A-7	Reactor	476' 6"	TORUS BAY 8	SR		Deenerg	Energ	Yes	12E-6816B/ B	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-50	S
1185		8B	D02-0302-0157BV27	CRD/ East Bank Scram Discharge Volume Drain Sol. Valve	M-34-2/ B/ A-6	Reactor	476' 6"	TORUS BAY 3	SR		Deenerg	Energ	Yes	12E-6816B/ B	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-50	S
1186		8B	D02-0302-0158AV27	CRD/ West Bank Scram Discharge Volume Drain Sol. Valve	M-34-2/ B/ A-8	Reactor	476' 6"	TORUS BAY 8	SR		Deenerg	Energ	Yes	12E-6816B/ B	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-50	S
1187		8B	D02-0302-0158BV27	CRD/ East Bank Scram Discharge Volume Drain Sol. Valve	M-34-2/ B/ A-5	Reactor	476' 6"	TORUS BAY 3	SR		Deenerg	Energ	Yes	12E-6816B/ B	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-50	S
1188		8B	D02-0302-0160AV27	CRD/ West Bank Scram Discharge Volume Vent Sol. Valve	M-34-2/ B/ B-8	Reactor	517' 6"	DRY GALL K/43	SR		Deenerg	Energ	Yes	12E-6816B/ B	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-50	S
1189		8B	D02-0302-0160BV27	CRD/ East Bank Scram Discharge Volume Vent Sol. Valve	M-34-2/ B/ B-4	Reactor	545' 6"	L/39	SR		Deenerg	Energ	Yes	12E-6816B/ B	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-50	S
1190		8B	D02-0302-0161AV27	CRD/ West Bank Scram Discharge Volume Vent Sol. Valve	M-34-2/ B/ B-8	Reactor	517' 6"	DRY GALL K/43	SR		Deenerg	Energ	Yes	12E-6816B/ B	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-50	S

LINE NO. (1)	TRAIN (2)	EQUIP CLASS (3)	MARK NO. (4)	SYSTEM/EQUIPMENT DESCRIPTION (5)	Dwg. No./Rev./Zone (6)	<--------- Building (7)	EQUIPMENT Flr.Elv. (8)	LOCATION -----> Rm. or Row/Col. (9)	SORT (10)	NOTES (11)	<-- OP. ST. --> Normal (12)	Desired (13)	POWER REQD? (14)	SUPPORTING SYS. DWG. NO./REV. (15)	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS (16)	REG. ISSUE (17)
1191		88	D02-0302-0161BV27	CRD/ East Bank Scram Discharge Volume Vent Sol. Valve	M-34-2/ B/ B-4	Reactor	545' 6"	L/39	SR		Deenerg	Energ	Yes	12E-6816B/ B	MOTIVE-N/A CONTROL-120V AC Instrument Bus 902-50	S
1192		88	D02-0305-0117-V27	CRD/ Pilot Solenoid For HCU Scram Valves (ROB-HCU)	M-34-2/ B/ C-1	Reactor	517' 6"	In Hydraulic CU	BR	2,3	Energ	Deenerg	No	12E-2467-3/ AE	MOTIVE/CONTROL-N/A	S
1193		88	D02-0305-0118-V27	CRD/ Pilot Solenoid For HCU Scram Valves (ROB-HCU)	M-34-2/ B/ C-1	Reactor	517' 6"	In Hydraulic CU	BR	2,3	Energ	Deenerg	No	12E-2467-3/ AE	MOTIVE/CONTROL-N/A	S
1194		88	D02-0305-0120-V15	CRD/ Hydraulic Control Unit Withdraw Valve	M-34-2/ B/ D-1	Reactor	517' 6"	In Hydraulic CU	R	3	Closed	Closed	No	12E-2414/ Z	MOTIVE/CONTROL-N/A	S
1195		88	D02-0305-0121-V15	CRD/ Hydraulic Control Unit Insertion Valve	M-34-2/ B/ D-2	Reactor	517' 6"	In Hydraulic CU	R	3	Closed	Closed	No	12E-2414/ Z	MOTIVE/CONTROL-N/A	S
1196		88	D02-0305-0122-V15	CRD/ Hydraulic Control Unit Withdraw Valve	M-34-2/ B/ D-2	Reactor	517' 6"	In Hydraulic CU	R	3	Closed	Closed	No	12E-2414/ Z	MOTIVE/CONTROL-N/A	S
1197		88	D02-0305-0123-V15	CRD/ Hydraulic Control Unit Insertion Valve	M-34-2/ B/ D-1	Reactor	517' 6"	In Hydraulic CU	R	3	Closed	Closed	No	12E-2414/ Z	MOTIVE/CONTROL-N/A	S
1198		88	D02-0399-0524AV27	CRD/ Alternate Rod Insertion ATWS Solenoid Valve	M-34-2/ B/ C-3	Reactor	517' 6"	L/39	R		Deenerg	Deenerg	No	12E-6582F/ J	MOTIVE/CONTROL-N/A	S
1199		88	D02-0399-0524BV27	CRD/ Alternate Rod Insertion ATWS Solenoid Valve	M-34-2/ B/ C-3	Reactor	517' 6"	L/39	R		Deenerg	Deenerg	No	12E-6582F/ J	MOTIVE/CONTROL-N/A	S
1200		88	D02-0399-0548AV27	CRD/ Alternate Rod Insertion ATWS Solenoid Valve	M-34-2/ B/ E-2	Reactor	517' 6"	L/39	R		Deenerg	Deenerg	No	12E-6582F/ J	MOTIVE/CONTROL-N/A	S
1201		88	D02-0399-0548BV27	CRD/ Alternate Rod Insertion ATWS Solenoid Valve	M-34-2/ B/ E-2	Reactor	517' 6"	L/39	R		Deenerg	Deenerg	No	12E-6582F/ J	MOTIVE/CONTROL-N/A	S
1202		88	D02-0399-0549AV27	CRD/ Alternate Rod Insertion ATWS Solenoid Valve	M-34-2/ B/ B-3	Reactor	517' 6"	L/39	R		Deenerg	Deenerg	No	12E-6582F/ J	MOTIVE/CONTROL-N/A	S
1203		88	D02-0399-0549BV27	CRD/ Alternate Rod Insertion ATWS Solenoid Valve	M-34-2/ B/ B-3	Reactor	517' 6"	L/39	R		Deenerg	Deenerg	No	12E-6582F/ J	MOTIVE/CONTROL-N/A	S
1204		88	D03-0302-0019AV27	CRD/ Backup Scram Solenoid Valve	M-365-2/ A/ C-3	Reactor	517' 6"	L/48	SR		Deenerg	Energ	Yes	12E-3467-3/ AC	MOTIVE-N/A CONTROL-125V DC TB Main Bus #3A-1	S
1205		88	D03-0302-0019BV27	CRD/ Backup Scram Solenoid Valve	M-365-2/ A/ C-3	Reactor	517' 6"	L/48	SR		Deenerg	Energ	Yes	12E-3467-3/ AC	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1206		88	D03-0302-0020AV25	CRD/ Scram Dump Solenoid Valve	M-365-2/ A/ C-3	Reactor	517' 6"	L/48	SR		Energ	Deenerg	No	12E-3465-1/ X	MOTIVE/CONTROL-N/A	S
1207		88	D03-0302-0020BV27	CRD/ Scram Dump Solenoid Valve	M-365-2/ A/ C-3	Reactor	517' 6"	L/48	SR		Energ	Deenerg	No	12E-3465-1/ X	MOTIVE/CONTROL-N/A	S
1208		88	D03-0302-0157AV27	CRD/ East Bank Scram Discharge Volume Drain Sol. Valve	M-365-2/ A/ A-7	Reactor	476' 6"	TORUS BAY 4	SR		Deenerg	Energ	Yes	12E-7816A/ C	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-50	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- Building	EQUIPMENT Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. ST. --> Normal	Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1209		8B	D03-0302-0157BV27	CRD/ West Bank Scram Discharge Volume Drain Sol. Valve	M-365-2/ A/ A-5	Reactor	476' 6"	TORUS BAY 9	SR		Deenerg	Energ	Yes	12E-7816A/ C	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-50	S
1210		8B	D03-0302-0158AV27	CRD/ East Bank Scram Discharge Volume Drain Sol. Valve	M-365-2/ A/ B-8	Reactor	476' 6"	TORUS BAY 4	SR		Deenerg	Energ	Yes	12E-7816A/ C	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-50	S
1211		8B	D03-0302-0158BV27	CRD/ West Bank Scram Discharge Volume Drain Sol. Valve	M-365-2/ A/ A-5	Reactor	476' 6"	TORUS BAY 9	SR		Deenerg	Energ	Yes	12E-7816A/ C	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-50	S
1212		8B	D03-0302-0160AV27	CRD/ East Bank Scram Discharge Volume Vent Sol. Valve	M-365-2/ A/ B-8	Reactor	517' 6"	DRY GALL J/45	SR		Deenerg	Energ	Yes	12E-7816A/ C	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-50	S
1213		8B	D03-0302-0160BV27	CRD/ West Bank Scram Discharge Volume Vent Sol. Valve	M-365-2/ A/ B-4	Reactor	517' 6"	DRY GALL K/48	SR		Deenerg	Energ	Yes	12E-7816A/ C	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-50	S
1214		8B	D03-0302-0161AV27	CRD/ East Bank Scram Discharge Volume Vent Sol. Valve	M-365-2/ A/ B-8	Reactor	517' 6"	DRY GALL J/45	SR		Deenerg	Energ	Yes	12E-7816A/ C	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-50	S
1215		8B	D03-0302-0161BV27	CRD/ West Bank Scram Discharge Volume Vent Sol. Valve	M-365-2/ A/ B-4	Reactor	517' 6"	DRY GALL K/48	SR		Deenerg	Energ	Yes	12E-7816A/ C	MOTIVE-N/A CONTROL-120V AC Instrument Bus 903-50	S
1216		8B	D03-0305-0117-V27	CRD/ Pilot Solenoid For HCU Scram Valves (ROB-HCU)	M-365-2/ A/ D-1	Reactor	517' 6"	In Hydraulic CU	BR	2,3	Energ	Deenerg	No	12E-3465-1/ X	MOTIVE/CONTROL-N/A	S
1217		8B	D03-0305-0118-V27	CRD/ Pilot Solenoid For HCU Scram Valves (ROB-HCU)	M-365-2/ A/ D-1	Reactor	517' 6"	In Hydraulic CU	BR	2,3	Energ	Deenerg	No	12E-3465-1/ X	MOTIVE/CONTROL-N/A	S
1218		8B	D03-0305-0120-V15	CRD/ Hydraulic Control Unit Withdraw Valve	M-365-2/ A/ D-1	Reactor	517' 6"	In Hydraulic CU	R	3	Closed	Closed	No	12E-3414/ V	MOTIVE/CONTROL-N/A	S
1219		8B	D03-0305-0121-V15	CRD/ Hydraulic Control Unit Insertion Valve	M-365-2/ A/ D-2	Reactor	517' 6"	In Hydraulic CU	R	3	Closed	Closed	No	12E-3414/ V	MOTIVE/CONTROL-N/A	S
1220		8B	D03-0305-0122-V15	CRD/ Hydraulic Control Unit Withdraw Valve	M-365-2/ A/ D-2	Reactor	517' 6"	In Hydraulic CU	R	3	Closed	Closed	No	12E-3414/ V	MOTIVE/CONTROL-N/A	S
1221		8B	D03-0305-0123-V15	CRD/ Hydraulic Control Unit Insertion Valve	M-365-2/ A/ D-1	Reactor	517' 6"	In Hydraulic CU	R	3	Closed	Closed	No	12E-3414/ V	MOTIVE/CONTROL-N/A	S
1222		8B	D03-0399-0524AV27	CRD/ Alternate Rod Insertion ATWS Solenoid Valve	M-365-2/ A/ D-3	Reactor	517' 6"	L/48	R		Deenerg	Deenerg	No	N/A	MOTIVE/CONTROL-N/A	S
1223		8B	D03-0399-0524BV27	CRD/ Alternate Rod Insertion ATWS Solenoid Valve	M-365-2/ A/ D-3	Reactor	517' 6"	L/48	R		Deenerg	Deenerg	No	N/A	MOTIVE/CONTROL-N/A	S
1224		8B	D03-0399-0548AV27	CRD/ Alternate Rod Insertion ATWS Solenoid Valve	M-365-2/ A/ E-2	Reactor	517' 6"	L/48	R		Deenerg	Deenerg	No	N/A	MOTIVE/CONTROL-N/A	S

LINE NO. (1)	TRAIN (2)	EQUIP CLASS (3)	MARK NO. (4)	SYSTEM/EQUIPMENT DESCRIPTION (5)	Dwg. No./Rev./Zone (6)	<--------- Building (7)	EQUIPMENT Flr.Elv. (8)	LOCATION -----> Rm. or Row/Col. (9)	SORT (10)	NOTES (11)	<-- OP. ST. --> Normal (12)	Desired (13)	POWER REQD? (14)	SUPPORTING SYS. DWG. NO./REV. (15)	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS (16)	REG. ISSUE (17)
1225		88	D03-0399-0548BV27	CRD/ Alternate Rod Insertion ATWS Solenoid Valve	M-365-2/ A/ E-2	Reactor	517' 6"	L/48	R		Deenerg	Deenerg	No	N/A	MOTIVE/CONTROL-N/A	S
1226		88	D03-0399-0549AV27	CRD/ Alternate Rod Insertion ATWS Solenoid Valve	M-365-2/ A/ C-2	Reactor	517' 6"	L/48	R		Deenerg	Deenerg	No	N/A	MOTIVE/CONTROL-N/A	S
1227		88	D03-0399-0549BV27	CRD/ Alternate Rod Insertion ATWS Solenoid Valve	M-365-2/ A/ C-2	Reactor	517' 6"	L/48	R		Deenerg	Deenerg	No	N/A	MOTIVE/CONTROL-N/A	S
1228		5	D00-5203------P30	DIESEL GENERATOR/ Fuel Oil Transfer Pump	M-41-2/ Q/ D-2	Reactor	504' 6"	DG RM2/3 N/46	SR		Off	Operbl.	Yes	12E-2351B-1/ AF	MOTIVE-MCC 2(3)8-3 CONTROL-MCC 2(3)8-3, 125V DC TB Main Bus #2A-1, 3A-1	S
1229		18	D00-5241-0005--LS	DIESEL GENERATOR/ Fuel Oil Day Tank Level Switch	M-41-2/ Q/ D-3	Turbine	517' 6"	DG RM2/3 N/46	BR		N/A	N/A	No	N/A	N/A	S
1230		9	D00-5790------F10	DIESEL GENERATOR/ Room Ventilation Fan	M-974/ F/ D-3	Reactor	504' 6"	DG RM2/3 N/46	SR		Off	On	Yes	12E-2351B-2/ AM 12E-2351B-3/ AM	MOTIVE-MCC 2(3)8-1 CONTROL-MCC 2(3)8-1, 125V DC TB Main Bus #2A-1, 3A-1	S
1231		88	D00-5790--EP2-V27	DIESEL GENERATOR/ Vent. Fan Dampers Solenoid Valve	M-974/ F/ E-3	Reactor	504' 6"	DG PNL 2223-56	SR		Open	Closed	Yes	12E-2351B-2/ AM 12E-2351B-3/ AM	MOTIVE-MCC 2(3)8-1 CONTROL-MCC 2(3)8-1, 125V DC TB Main Bus #2A-1, 3A-1	S
1232		17	D00-6601------G05	DIESEL GENERATOR/ Diesel Engine Driven Generator	M-518-2/ C/ C-3	Reactor	504' 6"	DG RM2/3 N/46	SR		Off	On	No	M-41-2/ Q M-173/ AF M-974/ F 12E-2337/ Q	MOTIVE-Diesel Fuel Oil, Start Up Air, DG Ventilation CONTROL-125V DC Pnl #2, 3	S
1233		5	D00-6665------P30	DIESEL GENERATOR/ Fuel Oil Priming Pump	M-518-2/ C/ C-6	Reactor	504' 6"	DG RM2/3 N/46	BR		Off	On	Yes	12E-2351A-1/ AM	MOTIVE/CONTROL-125V DC RB Distribution Panel #2, 3	S
1234		R	D00-6699-0103-V27	DIESEL GENERATOR/ Air Start Solenoid Valve	M-173/ AF/ A-10	Reactor	504' 6"	DG RM2/3 N/46	R		Open	Operbl.	Yes	12E-2351A-1/ AM	MOTIVE/CONTROL-125V DC RB Distribution Panel #2, 3	S
1235		5	D02-5203------P30	DIESEL GENERATOR/ Fuel Oil Transfer Pump	M-41-2/ Q/ E-6	Turbine	517' 6"	DG RM2 G-H/35	SR		Off	Operbl.	Yes	12E-2350B-1/ Z	MOTIVE/CONTROL-MCC 29-2	S
1236		18	D02-5241-0003--LS	DIESEL GENERATOR/ Fuel Oil Day Tank Level Switch	M-41-2/ Q/ F-6	Turbine	528' 3"	DG RM2 G-H/35	BR		N/A	N/A	No	N/A	N/A	S
1237		9	D02-5790------F10	DIESEL GENERATOR/ Room Ventilation Fan	M-974/ F/ C-5	Turbine	517' 6"	DG RM2 G-H/35	SR		Off	On	Yes	12E-2350B-1/ Z	MOTIVE-MCC 29-2 CONTROL-MCC 29-2, 125V DC TB Res Bus #2B-1	S
1238		88	D02-5790--EP2-V27	DIESEL GENERATOR/ Room Vent. Fan Dampers Solenoid Valve	M-974/ F/ C-5	Turbine	517' 6"	DG PNL 2252-47	SR		Deenerg	Energ	Yes	12E-2395/ L	MOTIVE-MCC 29-2 CONTROL-MCC 29-2, 125V DC TB Res Bus #2B-1	S

LINE NO. (1)	TRAIN (2)	EQUIP CLASS (3)	MARK NO. (4)	SYSTEM/EQUIPMENT DESCRIPTION (5)	Dwg. No./Rev./Zone (6)	<--------- Building (7)	EQUIPMENT Flr.Elv. (8)	LOCATION -----> Rm. or Row/Col. (9)	SORT (10)	NOTES (11)	<-- OP. ST. --> Normal (12)	Desired (13)	POWER REQD? (14)	SUPPORTING SYS. DWG. NO./REV. (15)	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS (16)	REG. ISSUE (17)
1239		8B	D02-5790--EP3-V27	DIESEL GENERATOR/ Normal Vent. Damper Solenoid Valve	M-974/ F/ C-5	Turbine	517' 6"	DG PNL 2252-47	SR		Deenerg	Energ	Yes	12E-2395/ L	MOTIVE-MCC 29-2 CONTROL-MCC 29-2, 125V DC TB Main Bus #2A-1	S
1240		17	D02-6601------G05	DIESEL GENERATOR/ Diesel Engine Driven Generator	M-518-1/ C/ C-3	Turbine	517' 6"	DG RM2 G-H/35	SR		Off	On	Yes	M-41-2/ Q M-173/ AF M-974/ F 12E-2350A-1/ AH	MOTIVE-Diesel Fuel Oil, Start Up Air, DG Ventilation CONTROL-125V DC Bus #2B-1	S
1241		5	D02-6665------P30	DIESEL GENERATOR/ Fuel Oil Priming Pump	M-518-1/ C/ C-6	Turbine	517' 6"	DG RM2 G-H/35	BR		Off	On	Yes	12E-2350A-1/ AH	MOTIVE/CONTROL-125V DC TB Res Bus #2B-1	S
1242		R	D02-6699-0103-V27	DIESEL GENERATOR/ Air Start Solenoid Valve	M-173/ AF/ A-10	Turbine	517' 6"	DG RM2 G-H/35	R		Deenerg	Energ	Yes	12E-2350A-1/ AH	MOTIVE/CONTROL-125V DC TB Res Bus #2B-1	S
1243		5	D03-5203------P30	DIESEL GENERATOR/ Fuel Oil Transfer Pump	M-41-2/ Q/ B-6	Turbine	517' 6"	DG RM3 G-H/55	SR		Off	Operbl.	Yes	12E-3350B/ AK	MOTIVE/CONTROL-MCC 39-2	S
1244		18	D03-5241-0003--LS	DIESEL GENERATOR/ Fuel Oil Day Tank Level Switch	M-41-2/ Q/ C-6	Turbine	528' 3"	DG RM3 G-H/55	BR		N/A	N/A	No	N/A	N/A	S
1245		9	D03-5790------F10	DIESEL GENERATOR/ Room Ventilation Fan	M-974/ F/ C-5	Turbine	517' 6"	DG RM3 G-H/55	SR		Off	On	Yes	12E-3350B/ AK	MOTIVE-MCC 39-2 CONTROL-MCC 39-2, 125V DC TB Res Bus #3B-1	S
1246		8B	D03-5790--EP2-V27	DIESEL GENERATOR/ Room Vent. Fan Dampers Solenoid Valve	M-974/ F/ D-7	Turbine	517' 6"	DG PNL 2253-47	SR		Deenerg	Energ	Yes	12E-2595/ L	MOTIVE-MCC 39-2 CONTROL-MCC 39-2, 125V DC TB Res Bus #3B-1	S
1247		8B	D03-5790--EP3-V27	DIESEL GENERATOR/ Normal Vent. Damper Solenoid Valve	M-974/ F/ D-7	Turbine	517' 6"	DG PNL 2253-47	SR		Deenerg	Energ	Yes	12E-2595/ L	MOTIVE-MCC 39-2 CONTROL-MCC 39-2, 125V DC TB Main Bus #3A-2	S
1248		17	D03-6601------G05	DIESEL GENERATOR/ Diesel Engine Driven Generator	M-518-3/ C/ C-3	Turbine	517' 6"	DG RM3 G-H/55	SR		Off	On	Yes	M-41-2/ Q M-173/ AF M-974/ F 12E-3350A-1/ AC	MOTIVE-Diesel Fuel Oil, Start Up Air, DG Ventiliation CONTROL-125V DC Bus #3B-1	S
1249		5	D03-6665------P30	DIESEL GENERATOR/ Fuel Oil Priming Pump	M-518-3/ C/ C-6	Turbine	517' 6"	DG RM3 G-H/55	BR		Off	On	Yes	12E-3350A-1/ AC	MOTIVE/CONTROL-125V DC TB Res Bus #3B-1	S
1250		R	D03-6699-0103-V27	DIESEL GENERATOR/ Air Start Solenoid Valve	M-173/ AF/ A-10	Turbine	517' 6"	DG RM3 G-H/55	R		Deenerg	Energ	Yes	12E-3350A-1/ AC	MOTIVE/CONTROL-125V DC TB Res Bus #3B-1	S
1251		18	D00-2350-A-----LS	HPCI/ Condensate Storage Tank Level Switch	M-35-1/ CH/ F-7	Turbine	517' 6"	RFP RM G/35	SR	5	Closed	Operbl.	Yes	12E-2527/ BC 12E-3527-1/ AH	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1, 3B-1	S
1252		18	D00-2350-B-----LS	HPCI/ Condensate Storage Tank Level Switch	M-35-1/ CH/ F-7	Turbine	517' 6"	RFP RM G/35	SR	5	Closed	Operbl.	Yes	12E-2527/ BC 12E-3527-1/ AH	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1, 3B-1	S

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1253		18	D00-2350-C-----LS	HPCI/ Condensate Storage Tank Level Switch	M-35-1/ CH/ F-7	Turbine	517' 6"	RFP RM G/35	SR	5	Closed	Operbl.	Yes	12E-2527/ BC 12E-3527-1/ AH	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1, 3B-1	S
1254		18	D00-2350-D-----LS	HPCI/ Condensate Storage Tank Level Switch	M-35-1/ CH/ F-7	Turbine	517' 6"	RFP RM G/35	SR	5	Closed	Operbl.	Yes	12E-2527/ BC 12E-3527-1/ AH	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1, 3B-1	S
1255		8A	D02-2301-0003-V20	HPCI/ Turbine Steam Line Valve	M-51/ AY/ A-9	Reactor	476' 6"	HP RM2 N/45	SR		Closed	Open	Yes	12E-2529-2/ AJ	MOTIVE-250V DC MCC Bus #2B CONTROL-250V DC Bus #2B, 125V DC Bus #2A-1, 2B-1	S
1256		8A	D02-2301-0004-V20	HPCI/ Turbine Steam Line Valve	M-51/ AY/ C-9	Reactor	576' 7"	DRYWELL	SR		Open	Operbl.	Yes	12E-2529-2/ AJ	MOTIVE-MCC 28-1 CONTROL-MCC 28-1, 125V DC TB Main Bus #2A-1, TB Res Bus #2B-1	S
1257		8A	D02-2301-0005-V20	HPCI/ Turbine Steam Line Valve	M-51/ AY/ B-10	Reactor	476' 6"	TORUS BAY 2	SR		Open	Operbl.	Yes	12E-2529-4/ AK	MOTIVE-250V DC MCC Bus #2B CONTROL-250V DC #2B, MCC 28-1, 125V DC #2A-1, 2B-1	S
1258		8A	D02-2301-0006-V20	HPCI/ Condensate Tank Supply to HPCI Pump Valve	M-51/ AY/ F-2	Reactor	476' 6"	HP RM2 N/44	SR	1	Open	Operbl.	Yes	12E-2329-1/ AH	MOTIVE-250V DC MCC Bus #2B CONTROL-250V DC Bus #2B, 125V DC Bus #2A-1, 2B-1	S
1259		8A	D02-2301-0008-V20	HPCI/ HPCI Pump Injection Line Valve	M-51/ AY/ E-6	Turbine	517' 6"	X AREA G-H/41	SR		Closed	Open	Yes	12E-2529-1/ AH	MOTIVE-250V DC MCC Bus #2A CONTROL-250V DC Bus #2A, 125V DC Bus #2A-1, 2B-1	S
1260		8A	D02-2301-0009-V20	HPCI/ HPCI Pump Injection Line Valve	M-51/ AY/ E-5	Reactor	476' 6"	HP RM2 N/44	R		Open	Open	No	12E-2529-3/ AK	MOTIVE/CONTROL-N/A	S
1261		8A	D02-2301-0010-V20	HPCI/ Condensate Storage Tank Return Line Valve	M-51/ AY/ E-5	Reactor	476' 6"	HP RM2 N/44	R		Closed	Closed	No	12E-2529-3/ AK	MOTIVE/CONTROL-N/A	S
1262		8A	D02-2301-0014-V20	HPCI/ HPCI Pump Test Line Valve	M-51/ AY/ C-6	Reactor	476' 6"	HP RM2 N/44	SR		Closed	Operbl.	Yes	12E-2530/ AA	MOTIVE-250V DC MCC Bus #2B CONTROL-250V DC Bus #2B, 125V DC Bus #2A-1, 2B-1	S
1263		8A	D02-2301-0035-V20	HPCI/ Suppression Pool Suction Line Valve	M-51/ AY/ E-1	Reactor	476' 6"	HP RM2 N/44	SR	1	Closed	Operbl.	Yes	12E-2530/ AA	MOTIVE-250V DC MCC Bus #2B CONTROL-Bus #2B, 125V DC #2A(B)-1, 24/48V DC #2(3)A	S
1264		8A	D02-2301-0036-V20	HPCI/ Suppression Pool Suction Line Valve	M-51/ AY/ E-9	Reactor	476' 6"	SW C.RM N/43-44	SR	1	Closed	Operbl.	Yes	12E-2530/ AA	MOTIVE 250V DC MCC Bus #2B CONTROL-Bus #2B, 125V DC #2A(B)-1, 24/48V DC #2(3)A	S

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1265		8A	D02-2301-0048-V20	HPCI/ HPCI Pump Condensate Return Line Valve	M-51/ AY/ B-4	Reactor	476' 6"	HP RM2 N/44-45	R		Open	Open	No	12E-2530/ AA	MOTIVE/CONTROL-N/A	S
1266		8A	D02-2301-0049-V20	HPCI/ HPCI Pump Condensate Return Line Valve	M-51/ AY/ C-4	Reactor	476' 6"	HP RM2 N/44-45	R		Closed	Closed	No	12E-2530/ AA	MOTIVE/CONTROL-N/A	S
1267		5	D02-2301-0057-P30	HPCI/ HPCI Turbine Cooling Water Pump	M-51/ AY/ D-4	Reactor	476' 6"	HP RM2 N/44	SR		Off	On	Yes	12E-2531/ AG	MOTIVE/CONTROL-MCC 29-4	S
1268		6	D02-2301-AOP--P30	HPCI/ Turbine Auxiliary Oil Pump (ROB-HPCI Turbine)	N/A	Reactor	476' 6"	HP RM2 N/44	BR		Off	On	Yes	12E-2527/ BA	MOTIVE-250V DC MCC Bus #2A CONTROL-250V DC Bus #2A, 125V DC Bus #2A-1, 2B-1	S
1269		5	D02-2301-CONDPP	HPCI/ Condenser Hotwell Condensate Pump	M-51/ AY/ E-2	Reactor	476' 6"	HP RM2 N/45	SR		Off	Operbl.	Yes	12E-2532/ AB	MOTIVE-250V DC MCC Bus #2A CONTROL-250V DC Bus #2A, 125V DC Bus #2A-1, 2B-1	S
1270		6	D02-2301-EBOP-P30	HPCI/ Turbine Emergency Bearing Oil Pump (ROB-Turbine)	N/A	Reactor	476' 6"	HP RM2 N/44	BR		Off	On	Yes	12E-2532/ AB	MOTIVE-250V DC MCC Bus #2A CONTROL-250V DC Bus #2A, 125V DC Bus #2A-1, 2B-1	S
1271		18	D02-2301-PS4---PS	HPCI/ Emergency Bearing Oil Pump Pressure Switch	N/A	Reactor	476' 6"	HP RM2 N/45	SR	5	N/A	N/A	No	N/A	N/A	S
1272		9	D02-2320-GSCE-F05	HPCI/ Gland Seal Condenser Exhaust Fan	M-51/ AY/ B-2	Reactor	476' 6"	HP RM2 N/45-46	SR		Off	On	Yes	12E-2532/ AB	MOTIVE-250V DC MCC Bus #2A CONTROL-250V DC Bus #2A, 125V DC Bus #2A-1, 2B-1	S
1273		18	D02-2340-0002--PI	HPCI/ Pump Discharge Pressure Indicator (ROB-902-3)	M-51/ AY/ D-5	Turbine	534' 0"	C.RM PNL 902-3	BR		Operbl.	Operbl.	Yes	12E-2499/ W	MOTIVE-N/A CONTROL-120V AC Essential Bus 902-49	S
1274		18	D02-2351-A-----LS	HPCI/ Suppression Pool Water Level Switch	M-51/ AY/ D-7	Reactor	476' 6"	SW C.RM M/43	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1275		18	D02-2351-B-----LS	HPCI/ Suppression Pool Water Level Switch	M-51/ AY/ D-7	Reactor	476' 6"	SW C.RM M/43	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1276		18	D02-2370-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1277		18	D02-2370-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1278		18	D02-2370-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1279		18	D02-2370-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1280		18	D02-2371-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S

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1281		18	D02-2371-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1282		18	D02-2371-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1283		18	D02-2371-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1284		18	D02-2372-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1285		18	D02-2372-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1286		18	D02-2372-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1287		18	D02-2372-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1288		18	D02-2373-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1289		18	D02-2373-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1290		18	D02-2373-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1291		18	D02-2373-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1292		10	D02-5747------H15	HPCI/ HPCI Emergency Air Cooler	M-22/ BY/ C-6	Reactor	476' 6"	HP RM2 N/45	SR		Off	On	Yes	12E-2393/ X M-22/ BV	MOTIVE/CONTROL-MCC 29-4 COOLING-Service Water System	S
1293		18	D02-LCS1-------LS	HPCI/ Gland Seal Condenser Drain Pump Low Level Switch	M-51/ AY/ D-2	Reactor	476' 6"	HP RM2 N/45	SR	5	Closed	Operbl.	Yes	12E-2532/ AC	MOTIVE-N/A CONTROL-250V DC MCC Bus #2A	S
1294		18	D02-LCS2-------LS	HPCI/ Gland Seal Condenser Drain Pump High Level Switch	M-51/ AY/ D-2	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2528/ AT	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1295		8A	D03-2301-0003-V20	HPCI/ Turbine Steam Line Valve	M-374/ BJ/ A-9	Reactor	476' 6"	HP RM3 N/46	SR		Closed	Open	Yes	12E-3529/ AE	MOTIVE-250V DC MCC Bus #3B CONTROL-250V DC Bus #3B, 125V DC Bus #3A-1, 3B-1	S
1296		8A	D03-2301-0004-V20	HPCI/ Turbine Steam Line Valve	M-374/ BJ/ C-9	Reactor	576' 7"	DRYWELL	SR		Open	Operbl.	Yes	12E-3529/ AE	MOTIVE-MCC 39-1 CONTROL-MCC 39-1, 125V DC TB Main Bus #3A-1, TB Res Bus #3B-1	S

LINE NO. (1)	TRAIN (2)	EQUIP CLASS (3)	MARK NO. (4)	SYSTEM/EQUIPMENT DESCRIPTION (5)	Dwg. No./Rev./Zone (6)	<--------- Building (7)	EQUIPMENT Flr.Elv. (8)	LOCATION -----> Rm. or Row/Col. (9)	SORT (10)	NOTES (11)	<-- OP. Normal (12)	ST. --> Desired (13)	POWER REQD? (14)	SUPPORTING SYS. DWG. NO./REV. (15)	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS (16)	REG. ISSUE (17)
1297		8A	D03-2301-0005-V20	HPCI/ Turbine Steam Line Valve	M-374/ BJ/ B-10	Reactor	476' 6"	TORUS BAY 13	SR		Open	Operbl.	Yes	12E-3529/ AE	MOTIVE-250V DC MCC Bus #3B CONTROL-250V DC #3B, MCC 39-1, 125V DC #3A-1, 3B-1	S
1298		8A	D03-2301-0006-V20	HPCI/ Condensate Tank Supply to HPCI Pump Valve	M-374/ BJ/ F-2	Reactor	476' 6"	HP RM3 N/46	SR	1	Open	Operbl.	Yes	12E-3529/ AE	MOTIVE-250V DC MCC Bus #3B CONTROL-250V DC Bus #3B, 125V DC Bus #3A-1, 3B-1	S
1299		8A	D03-2301-0008-V20	HPCI/ HPCI Pump Injection Line Valve	M-374/ BJ/ D-6	Turbine	517' 6"	X AREA G/46	SR		Closed	Open	Yes	12E-3529/ AE	MOTIVE-250V DC MCC Bus #3A CONTROL-250V DC Bus #3A, 125V DC Bus #3A-1, 3B-1	S
1300		8A	D03-2301-0009-V20	HPCI/ HPCI Pump Injection Line Valve	M-374/ BJ/ D-5	Reactor	476' 6"	HP RM3 N/45	R		Open	Open	No	12E-3529/ AE	MOTIVE/CONTROL-N/A	S
1301		8A	D03-2301-0010-V20	HPCI/ Condensate Storage Tank Return Line Valve	M-374/ BJ/ E-5	Reactor	476' 6"	HP RM3 N/46-47	R		Closed	Closed	No	12E-3529/ AE	MOTIVE/CONTROL-N/A	S
1302		8A	D03-2301-0014-V20	HPCI/ HPCI Pump Test Line Valve	M-374/ BJ/ C-6	Reactor	476' 6"	HP RM3 N/46	SR		Closed	Operbl.	Yes	12E-3530/ Q	MOTIVE-250V DC MCC Bus #3B CONTROL-250V DC Bus #3B, 125V DC Bus #3A-1, 3B-1	S
1303		8A	D03-2301-0035-V20	HPCI/ Suppression Pool Suction Line Valve	M-374/ BJ/ E-1	Reactor	476' 6"	HP RM3 N/46	SR	1	Closed	Operbl.	Yes	12E-3530/ Q	MOTIVE-250V DC MCC Bus #3B CONTROL-Bus #3B, 125V DC #3A(B)-1, 24/48V DC #2(3)B	S
1304		8A	D03-2301-0036-V20	HPCI/ Suppression Pool Suction Line Valve	M-374/ BJ/ E-9	Reactor	476' 6"	TORUS BSMT 15	SR	1	Closed	Operbl.	Yes	12E-3530/ Q	MOTIVE-250V DC MCC Bus #3B CONTROL-Bus #3B, 125V DC #3A(B)-1, 24/48V DC #2(3)B	S
1305		8A	D03-2301-0048-V20	HPCI/ HPCI Pump Condensate Return Line Valve	M-374/ BJ/ B-4	Reactor	476' 6"	HP RM3 N/46	R		Open	Open	No	12E-3530/ Q	MOTIVE/CONTROL-N/A	S
1306		8A	D03-2301-0049-V20	HPCI/ HPCI Pump Condensate Return Line Valve	M-374/ BJ/ C-4	Reactor	476' 6"	HP RM3 N/46	R		Closed	Closed	No	12E-3530/ Q	MOTIVE/CONTROL-N/A	S
1307		5	D03-2301-0057-P30	HPCI/ HPCI Turbine Cooling Water Pump	M-374/ BJ/ D-4	Reactor	476' 6"	HP RM3 N/46	SR		Off	On	Yes	12E-3531/ X	MOTIVE/CONTROL-MCC 39-1	S
1308		6	D03-2301-AOP--P30	HPCI/ Turbine Auxiliary Oil Pump (ROB-HPCI Turbine)	N/A	Reactor	476' 6"	HP RM3 N/46-47	BR		Off	On	Yes	12E-3532/ S	MOTIVE-250V DC MCC Bus #3A CONTROL-250V DC Bus #3A, 125V DC Bus #3A-1, 3B-1	S
1309		5	D03-2301-CONDPP	HPCI/ Condenser Hotwell Condensate Pump	M-374/ BJ/ E-2	Reactor	476' 6"	HP RM3 N/46-47	SR		Off	Operbl.	Yes	12E-3532/ S	MOTIVE-250V DC MCC Bus #3A CONTROL-250V DC Bus #3A, 125V DC Bus #3A-1, 3B-1	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- Building	EQUIPMENT Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. Normal	ST. --> Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1310		6	D03-2301-EBOP-P30	HPCI/ Turbine Emergency Bearing Oil Pump (ROB-Turbine)	N/A	Reactor	476' 6"	HP RM3 N/46-47	BR		Off	On	Yes	12E-3532/ S	MOTIVE-250V DC MCC Bus #3A CONTROL-250V DC Bus #3A, 125V DC Bus #3A-1, 3B-1	S
1311		18	D03-2301-PS4---PS	HPCI/ Emergency Bearing Oil Pump Pressure Switch	N/A	Reactor	476' 6"	HP RM3 N/46-47	SR	5	N/A	N/A	No	N/A	N/A	S
1312		9	D03-2320-GSCE-F05	HPCI/ Gland Seal Condenser Exhaust Fan	M-374/ BJ/ B-2	Reactor	476' 6"	HP RM3 N/46	SR		Off	On	Yes	12E-3532/ S	MOTIVE-250V DC MCC Bus #3A CONTROL-250V DC Bus #3A, 125V DC Bus #3A-1, 3B-1	S
1313		18	D03-2340-0002--PI	HPCI/ Pump Discharge Pressure Indicator (ROB-903-3)	M-374/ BJ/ D-5	Turbine	534' 0"	C. RM PNL 903-3	BR		Operbl.	Operbl.	Yes	12E-3499/ W	MOTIVE-N/A CONTROL-120V AC Essential Bus 903-49	S
1314		18	D03-2351-A-----LS	HPCI/ Suppression Pool Water Level Switch	M-374/ BJ/ D-7	Reactor	476' 6"	SW C.RM M/49	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1315		18	D03-2351-B-----LS	HPCI/ Suppression Pool Water Level Switch	M-374/ BJ/ D-7	Reactor	476' 6"	SW C.RM M/49	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1316		18	D03-2370-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1317		18	D03-2370-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1318		18	D03-2370-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1319		18	D03-2370-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1320		18	D03-2371-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1321		18	D03-2371-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1322		18	D03-2371-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1323		18	D03-2371-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1324		18	D03-2372-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1325		18	D03-2372-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1326		18	D03-2372-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1327		18	D03-2372-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1328		18	D03-2373-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1329		18	D03-2373-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1330		18	D03-2373-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1331		18	D03-2373-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1332		10	D03-5747------H15	HPCI/ HPCI Emergency Air Cooler	M-355/ PC/ D-6	Reactor	476' 6"	HP RM3 N/46	SR		Off	On	Yes	12E-3393/ N M-355/ PB	MOTIVE/CONTROL-MCC 39-1 COOLING-Service Water System	S
1333		18	D03-LCS1-------LS	HPCI/ Gland Seal Condenser Drain Pump Low Level Switch	M-374/ BJ/ D-2	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Closed	Operbl.	Yes	12E-3532/ T	MOTIVE-N/A CONTROL-250V DC MCC Bus #3A	S
1334		18	D03-LCS2-------LS	HPCI/ Gland Seal Condenser Drain Pump High Level Switch	M-374/ BJ/ D-2	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3528-1/ AD	MOTIVE-N/A CONTROL-125V DC TB Res Bus #38-1	S
1335		8A	D02-1501-0005AV20	LPCI/ Suppression Pool Suction Line "A" Valve	M-29-1/ BC/ F-5	Reactor	476' 6"	SE C.RM N/39	SR		Open	Operbl.	Yes	12E-2440-1/ AC	MOTIVE/CONTROL-MCC 28-1	S
1336		8A	D02-1501-0005BV20	LPCI/ Suppression Pool Suction Line "B" Valve	M-29-1/ BC/ E-5	Reactor	476' 6"	SE C.RM N/39	SR		Open	Operbl.	Yes	12E-2440-1/ AC	MOTIVE/CONTROL-MCC 28-1	S
1337		8A	D02-1501-0005CV20	LPCI/ Suppression Pool Suction Line "C" Valve	M-29-1/ BC/ E-5	Reactor	476' 6"	SW C.RM N/43	SR		Open	Operbl.	Yes	12E-2440-1/ AC	MOTIVE/CONTROL-MCC 29-4	S
1338		8A	D02-1501-0005DV20	LPCI/ Suppression Pool Suction Line "D" Valve	M-29-1/ BC/ F-5	Reactor	476' 6"	SW C.RM N/43	SR		Open	Operbl.	Yes	12E-2440-1/ AC	MOTIVE/CONTROL-MCC 29-4	S
1339		8A	D02-1501-0011AV20	LPCI/ LPCI Heat Exchanger Bypass Line Valve	M-29-1/ BC/ E-8	Reactor	476' 6"	SE C.RM M-N/38	SR	1	Open	Operbl.	Yes	12E-2440-2/ AC	MOTIVE/CONTROL-MCC 28-1	S
1340		8A	D02-1501-0011BV20	LPCI/ LPCI Heat Exchanger Bypass Line Valve	M-29-1/ BC/ E-2	Reactor	476' 6"	SW C.RM M-N/43	SR	1	Open	Operbl.	Yes	12E-2440-2/ AC	MOTIVE/CONTROL-MCC 29-4	S
1341		8A	D02-1501-0013AV20	LPCI/ LPCI Minimum Flow Bypass Line Valve	M-29-1/ BC/ D-7	Reactor	476' 6"	TORUS BAY 1	SR	1	Open	Operbl.	Yes	12E-2440-2/ AC	MOTIVE-MCC 28-1 CONTROL-MCC 28-1, 125V DC Bus #2A-1, 24/48V DC Dist. Panel #2A	S
1342		8A	D02-1501-0013BV20	LPCI/ LPCI Minimum Flow Bypass Line Valve	M-29-1/ BC/ D-3	Reactor	476' 6"	TORUS BAY 11	SR	1	Open	Operbl.	Yes	12E-2440-2/ AC	MOTIVE-MCC 29-4 CONTROL-MCC 29-4, 125V DC Bus #2B-1, 24/48V DC Dist. Panel #3A	S
1343		8A	D02-1501-0018AV20	LPCI/ Suppression Chamber Spray Line Valve	M-29-1/ BC/ B-8	Reactor	476' 6"	TORUS BAY 1	SR	1,2	Closed	Operbl.	Yes	12E-2441-1/ Y	MOTIVE/CONTROL-MCC 28-1	S

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1344		8A	D02-1501-0018BV20	LPCI/ Suppression Chamber Spray Line Valve	M-29-1/ BC/ B-2	Reactor	476' 6"	TORUS BAY 11	SR	1,2	Closed	Operbl.	Yes	12E-2441-1/ Y	MOTIVE/CONTROL-MCC 29-4	S
1345		8A	D02-1501-0019AV20	LPCI/ Suppression Chamber Spray Line Valve	M-29-1/ BC/ B-8	Reactor	476' 6"	TORUS BAY 1	SR	1,2	Closed	Open	Yes	12E-2441-2/ Z	MOTIVE/CONTROL-MCC 28-1	S
1346		8A	D02-1501-0019BV20	LPCI/ Suppression Chamber Spray Line Valve	M-29-1/ BC/ B-2	Reactor	476' 6"	TORUS BAY 11	SR	1,2	Closed	Operbl.	Yes	12E-2441-2/ Z	MOTIVE/CONTROL-MCC 29-4	S
1347		8A	D02-1501-0020AV20	LPCI/ Suppression Chamber Spray Line Valve	M-29-1/ BC/ B-8	Reactor	476' 6"	TORUS BAY 1	SR	1	Closed	Operbl.	Yes	12E-2441-2/ Z	MOTIVE-MCC 28-1 CONTROL-MCC 28-1, 125V DC TB Main Bus #2A-1	S
1348		8A	D02-1501-0020BV20	LPCI/ Suppression Chamber Spray Line Valve	M-29-1/ BC/ B-2	Reactor	476' 6"	TORUS BAY 11	SR	1	Closed	Operbl.	Yes	12E-2441-2/ Z	MOTIVE-MCC 29-1 CONTROL-MCC 29-1, 125V DC TB Res Bus #2B-1	S
1349		8A	D02-1501-0021AV20	LPCI/ LPCI Injection Line Valve	M-29-1/ BC/ B-8	Reactor	517' 6"	K/38-39	R		Open	Open	No	12E-2441-3/ Z	MOTIVE/CONTROL-N/A	S
1350		8A	D02-1501-0021BV20	LPCI/ LPCI Injection Line Valve	M-29-1/ BC/ B-2	Reactor	517' 6"	K/44	R		Open	Open	No	12E-2441A/ Z	MOTIVE/CONTROL-N/A	S
1351		8A	D02-1501-0022AV20	LPCI/ LPCI Injection Line Valve	M-29-1/ BC/ B-7	Reactor	476' 6"	TORUS BAY 2	SR	1	Closed	Operbl.	Yes	12E-2441-4/ AA	MOTIVE-MCC 28-7 CONTROL-MCC 28-7, 125V DC TB Main Bus #2A-1	S
1352		8A	D02-1501-0022BV20	LPCI/ LPCI Injection Line Valve	M-29-1/ BC/ B-3	Reactor	476' 6"	TORUS BAY 10	R		Closed	Closed	No	12E-2441A/ Z	MOTIVE/CONTROL-N/A	S
1353		8A	D02-1501-0027AV20	LPCI/ Drywell Spray Line Valve	M-29-1/ BC/ A-7	Reactor	517' 6"	L/40	SR	1,2	Closed	Operbl.	Yes	12E-2440-3/ AC	MOTIVE/CONTROL-MCC 28-1	S
1354		8A	D02-1501-0027BV20	LPCI/ Drywell Spray Line Valve	M-29-1/ BC/ A-3	Reactor	545' 6"	L/41	SR	1,2	Closed	Operbl.	Yes	12E-2440-3/ AC	MOTIVE/CONTROL-MCC 29-1	S
1355		8A	D02-1501-0028AV20	LPCI/ Drywell Spray Line Valve	M-29-1/ BC/ A-7	Reactor	517' 6"	L/40	SR	1,2	Closed	Operbl.	Yes	12E-2441-3/ Z	MOTIVE/CONTROL-MCC 28-1	S
1356		8A	D02-1501-0028BV20	LPCI/ Drywell Spray Line Valve	M-29-1/ BC/ A-3	Reactor	545' 6"	L/41	SR	1,2	Closed	Operbl.	Yes	12E-2441-3/ Z	MOTIVE/CONTROL-MCC 29-1	S
1357		8A	D02-1501-0032AV20	LPCI/ LPCI Header Crosstie Line Valve	M-29-1/ BC/ D-8	Reactor	476' 6"	SE C.RM N/39	SR	1	Open	Closed	Yes	12E-2440-3/ AC	MOTIVE/CONTROL-MCC 28-1	S
1358		8A	D02-1501-0032BV20	LPCI/ LPCI Header Crosstie Line Valve	M-29-1/ BC/ D-2	Reactor	476' 6"	SW C.RM N/43	SR	1	Open	Closed	Yes	12E-2440-3/ AC	MOTIVE/CONTROL-MCC 29-4	S
1359		8A	D02-1501-0038AV20	LPCI/ Suppression Chamber Spray Line Valve	M-29-1/ BC/ B-8	Reactor	476' 6"	TORUS BAY 2	SR	1	Closed	Operbl.	Yes	12E-2441-1/ Y	MOTIVE-MCC 28-1 CONTROL-MCC 28-1, 125V DC TB Main Bus #2A-1	S
1360		8A	D02-1501-0038BV20	LPCI/ Suppression Chamber Spray Line Valve	M-29-1/ BC/ B-2	Reactor	476' 6"	TORUS BAY 10	SR	1	Closed	Operbl.	Yes	12E-2441-1/ Y	MOTIVE-MCC 29-4 CONTROL-MCC 29-4, 125V DC TB Res Bus #2B-1	S
1361		6	D02-1502-A----P30	LPCI/ LPCI Injection Pump "A"	M-29-1/ BC/ F-7	Reactor	476' 6"	SE C.RM N/39	SR	1,2	Off	On	Yes	12E-2436-1/ AA	MOTIVE-4160V AC Switchgear 23-1 CONTROL-125V DC Bus #2A-1, RB Dist. Panel #2	S

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1362		6	D02-1502-B----P30	LPCI/ LPCI Injection Pump "B"	M-29-1/ BC/ E-7	Reactor	476' 6"	SE C.RM N/39	SR	1,2	Off	On	Yes	12E-2436-1/ AA	MOTIVE-4160V AC Switchgear 23-1 CONTROL-125V DC Bus #2A-1, RB Dist. Panel #2	S
1363		6	D02-1502-C----P30	LPCI/ LPCI Injection Pump "C"	M-29-1/ BC/ E-3	Reactor	476' 6"	SW C.RM N/43	SR	1,2	Off	On	Yes	12E-2436-2/ Y	MOTIVE-4160V AC Switchgear 24-1 CONTROL-125V DC TB Res Bus #2B-1	S
1364		6	D02-1502-D----P30	LPCI/ LPCI Injection Pump "D"	M-29-1/ BC/ F-3	Reactor	476' 6"	SW C.RM N/43	SR	1,2	Off	On	Yes	12E-2436-2/ Y	MOTIVE-4160V AC Switchgear 24-1 CONTROL-125V DC TB Res Bus #2B-1	S
1365		10	D02-5746-A----H15	LPCI/ LPCI Emergency Room Air Cooler	M-22/ BY/ C-7	Reactor	476' 6"	SE C.RM M/38	SR	1	Off	On	Yes	12E-2393/ X M-22/ BV	MOTIVE/CONTROL-MCC 28-1 COOLING-Service Water System	S
1366		10	D02-5746-B----H15	LPCI/ LPCI Emergency Room Air Cooler	M-22/ BY/ C-7	Reactor	476' 6"	SW C.RM M/44	SR	1	Off	On	Yes	12E-2393/ X M-22/ BV	MOTIVE/CONTROL-MCC 29-4 COOLING-Service Water System	S
1367		8A	D03-1501-0005AV20	LPCI/ Suppression Pool Suction Line "A" Valve	M-360-1/ UR/ F-5	Reactor	476' 6"	SE C.RM N/45	SR		Open	Operbl.	Yes	12E-3440-1/ Y	MOTIVE/CONTROL-MCC 38-4	S
1368		8A	D03-1501-0005BV20	LPCI/ Suppression Pool Suction Line "B" Valve	M-360-1/ UR/ E-5	Reactor	476' 6"	SE C.RM N/45	SR		Open	Operbl.	Yes	12E-3440-1/ Y	MOTIVE/CONTROL-MCC 38-4	S
1369		8A	D03-1501-0005CV20	LPCI/ Suppression Pool Suction Line "C" Valve	M-360-1/ UR/ E-5	Reactor	476' 6"	SW C.RM N/49	SR		Open	Operbl.	Yes	12E-3440-1/ Y	MOTIVE/CONTROL-MCC 39-1	S
1370		8A	D03-1501-0005DV20	LPCI/ Suppression Pool Suction Line "D" Valve	M-360-1/ UR/ F-5	Reactor	476' 6"	SW C.RM N/49	SR		Open	Operbl.	Yes	12E-3440-1/ Y	MOTIVE/CONTROL-MCC 39-1	S
1371		8A	D03-1501-0011AV20	LPCI/ LPCI Heat Exchanger Bypass Line Valve	M-360-1/ UR/ E-2	Reactor	476' 6"	SE C.RM M-N/44	SR	1	Open	Operbl.	Yes	12E-3440-2/ X	MOTIVE/CONTROL-MCC 38-4	S
1372		8A	D03-1501-0011BV20	LPCI/ LPCI Heat Exchanger Bypass Line Valve	M-360-1/ UR/ E-8	Reactor	476' 6"	SW C.RM M-N/49	SR	1	Open	Closed	Yes	12E-3440-2/ X	MOTIVE/CONTROL-MCC 39-1	S
1373		8A	D03-1501-0013AV20	LPCI/ LPCI Minimum Flow Bypass Line Valve	M-360-1/ UR/ C-2	Reactor	476' 6"	TORUS BAY 2	SR	1	Open	Operbl.	Yes	12E-3440-2/ X	MOTIVE-MCC 38-4 CONTROL-MCC 38-4, 125V DC Bus #3A-1, 24/48V DC Dist. Panel #2B	S
1374		8A	D03-1501-0013BV20	LPCI/ LPCI Minimum Flow Bypass Line Valve	M-360-1/ UR/ C-8	Reactor	476' 6"	TORUS BAY 10	SR	1	Open	Operbl.	Yes	12E-3440-2/ X	MOTIVE-MCC 39-1 CONTROL-MCC 39-1, 125V DC Bus #3B-1, 24/48V DC Dist. Panel #3B	S
1375		8A	D03-1501-0018AV20	LPCI/ Suppression Chamber Spray Line Valve	M-360-1/ UR/ B-2	Reactor	476' 6"	TORUS BAY 11	SR	1,2	Closed	Operbl.	Yes	12E-3441-1/ Q	MOTIVE/CONTROL-MCC 38-4	S

LINE NO. (1)	TRAIN (2)	EQUIP CLASS (3)	MARK NO. (4)	SYSTEM/EQUIPMENT DESCRIPTION (5)	Dwg. No./Rev./Zone (6)	<--------- Building (7)	EQUIPMENT Flr.Elv. (8)	LOCATION -----> Rm. or Row/Col. (9)	SORT (10)	NOTES (11)	<-- OP. Normal (12)	ST. --> Desired (13)	POWER REQD? (14)	SUPPORTING SYS. DWG. NO./REV. (15)	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS (16)	REG. ISSUE (17)
1376		8A	D03-1501-0018BV20	LPCI/ Suppression Chamber Spray Line Valve	M-360-1/ UR/ B-7	Reactor	476' 6"	TORUS BAY 1	SR	1,2	Closed	Operbl.	Yes	12E-3441-1/ Q	MOTIVE/CONTROL-MCC 39-1	S
1377		8A	D03-1501-0019AV20	LPCI/ Suppression Chamber Spray Line Valve	M-360-1/ UR/ B-2	Reactor	476' 6"	TORUS BAY 11	SR	1,2	Closed	Operbl.	Yes	12E-3441-2/ R	MOTIVE/CONTROL-MCC 38-4	S
1378		8A	D03-1501-0019BV20	LPCI/ Suppression Chamber Spray Line Valve	M-360-1/ UR/ B-7	Reactor	476' 6"	TORUS BAY 1	SR	1,2	Closed	Operbl.	Yes	12E-3441-2/ R	MOTIVE/CONTROL-MCC 39-1	S
1379		8A	D03-1501-0020AV20	LPCI/ Suppression Chamber Spray Line Valve	M-360-1/ UR/ B-2	Reactor	476' 6"	TORUS BAY 2	SR	1	Closed	Operbl.	Yes	12E-3441-2/ R	MOTIVE-MCC 38-4 CONTROL-MCC 38-4, 125V DC TB Main Bus #3A-1	S
1380		8A	D03-1501-0020BV20	LPCI/ Suppression Chamber Spray Line Valve	M-360-1/ UR/ B-8	Reactor	476' 6"	TORUS BAY 10	SR	1	Closed	Operbl.	Yes	12E-3441-2/ R	MOTIVE-MCC 39-1 CONTROL-MCC 39-1, 125V DC TB Res Bus #3B-1	S
1381		8A	D03-1501-0021AV20	LPCI/ LPCI Injection Line Valve	M-360-1/ UR/ B-2	Reactor	517' 6"	K/44-45	R		Open	Open	No	12E-3441-3/ S	MOTIVE/CONTROL-N/A	S
1382		8A	D03-1501-0021BV20	LPCI/ LPCI Injection Line Valve	M-360-1/ UR/ B-8	Reactor	517' 6"	K/50	R		Open	Open	No	12E-3441A/ U	MOTIVE/CONTROL-N/A	S
1383		8A	D03-1501-0022AV20	LPCI/ LPCI Injection Line Valve	M-360-1/ UR/ B-3	Reactor	476' 6"	TORUS BAY 2	SR	1	Closed	Operbl.	Yes	12E-3437A/ S	MOTIVE-MCC 38-7 CONTROL MCC 38-7, 125V DC TB Main Bus #3A-1	S
1384		8A	D03-1501-0022BV20	LPCI/ LPCI Injection Line Valve	M-360-1/ UR/ B-7	Reactor	476' 6"	TORUS BAY 10	R		Closed	Closed	No	12E-3441A/ U	MOTIVE/CONTROL-N/A	S
1385		8A	D03-1501-0027AV20	LPCI/ Drywell Spray Line Valve	M-360-1/ UR/ A-3	Reactor	545' 6"	L/47	SR	1,2	Closed	Operbl.	Yes	12E-3440-3/ W	MOTIVE/CONTROL-MCC 38-1	S
1386		8A	D03-1501-0027BV20	LPCI/ Drywell Spray Line Valve	M-360-1/ UR/ A-7	Reactor	517' 6"	L/47	SR	1,2	Closed	Operbl.	Yes	12E-3440-3/ W	MOTIVE/CONTROL-MCC 39-1	S
1387		8A	D03-1501-0028AV20	LPCI/ Drywell Spray Line Valve	M-360-1/ UR/ A-3	Reactor	545' 6"	L/47	SR	1,2	Closed	Operbl.	Yes	12E-3441-3/ R	MOTIVE/CONTROL-MCC 38-1	S
1388		8A	D03-1501-0028BV20	LPCI/ Drywell Spray Line Valve	M-360-1/ UR/ A-7	Reactor	517' 6"	L/47	SR	1,2	Closed	Operbl.	Yes	12E-3441-3/ R	MOTIVE/CONTROL-MCC 39-1	S
1389		8A	D03-1501-0032AV20	LPCI/ LPCI Header Crosstie Line Valve	M-360-1/ UR/ D-2	Reactor	476' 6"	SE C.RM N/45	SR	1	Open	Closed	Yes	12E-3440-3/ W	MOTIVE/CONTROL-MCC 38-4	S
1390		8A	D03-1501-0032BV20	LPCI/ LPCI Header Crosstie Line Valve	M-360-1/ UR/ D-8	Reactor	476' 6"	SW C.RM N/49	SR	1	Open	Closed	Yes	12E-3440-3/ W	MOTIVE/CONTROL-MCC 39-1	S
1391		8A	D03-1501-0038AV20	LPCI/ Suppression Chamber Spray Line Valve	M-360-1/ UR/ B-2	Reactor	476' 6"	TORUS BAY 2	SR	1	Closed	Operbl.	Yes	12E-3441-1/ Q	MOTIVE-MCC 38-4 CONTROL-MCC 38-4, 125V DC TB Main Bus #3A-1	S
1392		8A	D03-1501-0038BV20	LPCI/ Suppression Chamber Spray Line Valve	M-360-1/ UR/ B-8	Reactor	476' 6"	TORUS BAY 10	SR	1	Closed	Operbl.	Yes	12E-3441-1/ Q	MOTIVE-MCC 39-1 CONTROL-MCC 39-1, 125V DC TB Res Bus #3B-1	S
1393		6	D03-1502-A----P30	LPCI/ LPCI Injection Pump "A"	M-360-1/ UR/ F-3	Reactor	476' 6"	SE C.RM N/45	SR	1,2	Off	On	Yes	12E-3436-1/ P	MOTIVE-4160V AC Switchgear 33-1 CONTROL-125V DC Bus #3A-1, RB Dist. Panel #3	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- Building	EQUIPMENT Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. ST. --> Normal	Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1394		6	D03-1502-B----P30	LPCI/ LPCI Injection Pump "B"	M-360-1/ UR/ E-3	Reactor	476' 6"	SE C.RM N/45	SR	1,2	Off	On	Yes	12E-3436-2/ P	MOTIVE-4160V AC Switchgear 33-1 CONTROL-125V DC Bus #3A-1, RB Dist. Panel #3	S
1395		6	D03-1502-C----P30	LPCI/ LPCI Injection Pump "C"	M-360-1/ UR/ E-7	Reactor	476' 6"	SW C.RM N/49	SR	1,2	Off	On	Yes	12E-3436-3/ Q	MOTIVE-4160V AC Switchgear 34-1 CONTROL-125V DC TB Res Bus #38-1	S
1396		6	D03-1502-D----P30	LPCI/ LPCI Injection Pump "D"	M-360-1/ UR/ F-7	Reactor	476' 6"	SW C.RM N/49	SR	1,2	Off	On	Yes	12E-3436-4/ Q	MOTIVE-4160V AC Switchgear 34-1 CONTROL-125V DC TB Res Bus #38-1	S
1397		10	D03-5746-A----H15	LPCI/ LPCI Emergency Room Air Cooler	M-355/ PC/ C-6	Reactor	476' 6"	SE C.RM M/44	SR	1	Off	On	Yes	12E-3393/ N M-355/ PB	MOTIVE/CONTROL-MCC 38-1 COOLING-Service Water System	S
1398		10	D03-5746-B----H15	LPCI/ LPCI Emergency Room Air Cooler	M-355/ PC/ C-6	Reactor	476' 6"	SW C.RM M/50	SR	1	Off	On	Yes	12E-3393/ N M-355/ PB	MOTIVE/CONTROL-MCC 39-1 COOLING-Service Water System	S
1399		8B	D02-0203-001A1V27	MAIN STEAM/ Isolation DC Solenoid Valve	M-12-1/ NR/ F-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-2504-1/ S	MOTIVE/CONTROL-N/A	S
1400		8B	D02-0203-001A2V27	MAIN STEAM/ Isolation AC Solenoid Valve	M-12-1/ NR/ E-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-2504-2/ U	MOTIVE/CONTROL-N/A	S
1401		8B	D02-0203-001B1V27	MAIN STEAM/ Isolation DC Solenoid Valve	M-12-1/ NR/ D-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-2504-1/ S	MOTIVE/CONTROL-N/A	S
1402		8B	D02-0203-001B2V27	MAIN STEAM/ Isolation AC Solenoid Valve	M-12-1/ NR/ D-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-2504-2/ U	MOTIVE/CONTROL-N/A	S
1403		8B	D02-0203-001C1V27	MAIN STEAM/ Isolation DC Solenoid Valve	M-12-1/ NR/ C-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-2504-1/ S	MOTIVE/CONTROL-N/A	S
1404		8B	D02-0203-001C2V27	MAIN STEAM/ Isolation AC Solenoid Valve	M-12-1/ NR/ C-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-2504-2/ U	MOTIVE/CONTROL-N/A	S
1405		8B	D02-0203-001D1V27	MAIN STEAM/ Isolation DC Solenoid Valve	M-12-1/ NR/ B-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-2504-1/ S	MOTIVE/CONTROL-N/A	S
1406		8B	D02-0203-001D2V27	MAIN STEAM/ Isolation AC Solenoid Valve	M-12-1/ NR/ B-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-2504-2/ U	MOTIVE/CONTROL-N/A	S
1407		8A	D02-0220-0001-V20	MAIN STEAM/ Isolation Valve Line Drain Valve	M-12-1/ NR/ E-4	Reactor	515' 5"	DRYWELL	R		Closed	Closed	No	N/A	MOTIVE/CONTROL-N/A	S
1408		8B	D03-0203-001A1V27	MAIN STEAM/ Isolation DC Solenoid Valve	M-345-1/ AH/ E-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-3504-1/ Q	MOTIVE/CONTROL-N/A	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- Building	EQUIPMENT Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. ST. --> Normal	Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1409		8B	D03-0203-001A2V27	MAIN STEAM/ Isolation AC Solenoid Valve	M-345-1/ AH/ E-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-3504-2/ S	MOTIVE/CONTROL-N/A	S
1410		8B	D03-0203-001B1V27	MAIN STEAM/ Isolation DC Solenoid Valve	M-345-1/ AH/ D-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-3504-1/ Q	MOTIVE/CONTROL-N/A	S
1411		8B	D03-0203-001B2V27	MAIN STEAM/ Isolation AC Solenoid Valve	M-345-1/ AH/ D-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-3504-2/ S	MOTIVE/CONTROL-N/A	S
1412		8B	D03-0203-001C1V27	MAIN STEAM/ Isolation DC Solenoid Valve	M-345-1/ AH/ C-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-3504-1/ Q	MOTIVE/CONTROL-N/A	S
1413		8B	D03-0203-001C2V27	MAIN STEAM/ Isolation AC Solenoid Valve	M-345-1/ AH/ C-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-3504-2/ S	MOTIVE/CONTROL-N/A	S
1414		8B	D03-0203-001D1V27	MAIN STEAM/ Isolation DC Solenoid Valve	M-345-1/ AH/ B-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-3504-1/ Q	MOTIVE/CONTROL-N/A	S
1415		8B	D03-0203-001D2V27	MAIN STEAM/ Isolation AC Solenoid Valve	M-345-1/ AH/ B-4	Reactor	515' 5"	DRYWELL	SR		Energ	Deenerg	No	12E-3504-2/ S	MOTIVE/CONTROL-N/A	S
1416		8A	D03-0220-0001-V20	MAIN STEAM/ Isolation Valve Line Drain Valve	M-345-1/ AH/ E-4	Reactor	515' 5"	DRYWELL	R		Closed	Closed	No	N/A	N/A	S
1417		20	D02-0750-0001A-RY	NEUTRON MONITORING/ Source Range Monitor (ROB-902-36)	12E-2452/ S	Turbine	534' 0"	C. RM PL 902-36	BR		Operbl.	Operbl.	Yes	12E-2452/ S	MOTIVE-N/A CONTROL-24/48V DC Distribution Panel #2A	S
1418		20	D02-0750-0001B-RY	NEUTRON MONITORING/ Source Range Monitor (ROB-902-36)	12E-2452/ S	Turbine	534' 0"	C. RM PL 902-36	BR		Operbl.	Operbl.	Yes	12E-2452/ S	MOTIVE-N/A CONTROL-24/48V DC Distribution Panel #2B	S
1419		20	D02-0750-0001C-RY	NEUTRON MONITORING/ Source Range Monitor (ROB-902-36)	12E-2452/ S	Turbine	534' 0"	C. RM PL 902-36	BR		Operbl.	Operbl.	Yes	12E-2452/ S	MOTIVE-N/A CONTROL-24/48V DC Distribution Panel #2A	S
1420		20	D02-0750-0001D-RY	NEUTRON MONITORING/ Source Range Monitor (ROB-902-36)	12E-2452/ S	Turbine	534' 0"	C. RM PL 902-36	BR		Operbl.	Operbl.	Yes	12E-2452/ S	MOTIVE-N/A CONTROL-24/48V DC Distribution Panel #2B	S
1421		20	D03-0750-0001A-RY	NEUTRON MONITORING/ Source Range Monitor (ROB-903-36)	12E-3452/ Q/ C-7	Turbine	534' 0"	C. RM PL 903-36	BR		Operbl.	Operbl.	Yes	12E-3452/ P	MOTIVE-N/A CONTROL-24/48V DC Distribution Panel #3A	S
1422		20	D03-0750-0001B-RY	NEUTRON MONITORING/ Source Range Monitor (ROB-903-36)	12E-3452/ Q/ C-7	Turbine	534' 0"	C. RM PL 903-36	BR		Operbl.	Operbl.	Yes	12E-3452/ P	MOTIVE-N/A CONTROL-24/48V DC Distribution Panel #3B	S
1423		20	D03-0750-0001C-RY	NEUTRON MONITORING/ Source Range Monitor (ROB-903-36)	12E-3452/ Q/ C-7	Turbine	534' 0"	C. RM PL 903-36	BR		Operbl.	Operbl.	Yes	12E-3452/ P	MOTIVE-N/A CONTROL-24/48V DC Distribution Panel #3A	S
1424		20	D03-0750-0001D-RY	NEUTRON MONITORING/ Source Range Monitor (ROB-903-36)	12E-3452/ Q/ C-7	Turbine	534' 0"	C. RM PL 903-36	BR		Operbl.	Operbl.	Yes	12E-3452/ P	MOTIVE-N/A CONTROL-24/48V DC Distribution Panel #3B	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- Building	EQUIPMENT Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. Normal	ST. --> Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1425		8A	D02-0202-0005AV20	REACTOR RECIRCULATION/ Recirc Pump A Discharge Valve	M-26-2/ HT/ D-5	Reactor	515' 5"	DRYWELL	SR		Open	Closed	Yes	12E-2420A/ W	MOTIVE/CONTROL-MCC 28-7	S
1426		8A	D02-0202-0006AV20	REACTOR RECIRCULATION/ Recirc Pump Crosstie Valve	M-26-2/ HT/ B-5	Reactor	515' 5"	DRYWELL	R		Closed	Closed	No	12E-2420A/ W	MOTIVE/CONTROL-N/A	S
1427		8A	D02-0202-0007AV20	REACTOR RECIRCULATION/ Recirc Pump A Bypass Valve	M-26-2/ HT/ D-5	Reactor	502' 4"	DRYWELL	R		Closed	Closed	No	12E-2420A/ W	MOTIVE/CONTROL-N/A	S
1428		8A	D02-0202-0009AV20	REACTOR RECIRCULATION/ Recirc Crosstie Bypass Valve	M-26-2/ HT/ B-5	Reactor	515' 5"	DRYWELL	SR		Open	Closed	Yes	12E-2420A/ W	MOTIVE/CONTROL-MCC 28-7	S
1429		8A	D03-0202-0005AV20	REACTOR RECIRCULATION/ Recirc Pump A Discharge Valve	M-357-2/ AM/ D-6	Reactor	515' 5"	DRYWELL	SR		Open	Closed	Yes	12E-3420A/ T	MOTIVE/CONTROL-MCC 38-7	S
1430		5	D00-3903------P30	SERVICE WATER/ Diesel Generator Cooling Water Pump	M-355/ PC/ A-9	C. House	490' 8"	A-B/4	SR		Off	On	Yes	12E-2351B-1/ AF	MOTIVE-MCC 2(3)8-3 CONTROL-MCC 2(3)8-3, 125V DC TB Main Bus #2A-1, 3A-1	S
1431		5	D02-3903------P30	SERVICE WATER/ Diesel Generator Cooling Water Pump	M-22/ BY/ B-10	C. House	490' 8"	A-B/4	SR		Off	On	Yes	12E-2350B-1/ Z	MOTIVE-MCC 29-2 CONTROL-MCC 29-2, 125V DC TB Res Bus #2B-1	S
1432		5	D03-3903------P30	SERVICE WATER/ Diesel Generator Cooling Water Pump	M-355/ PC/ B-10	C. House	490' 8"	A/5	SR		Off	On	Yes	12E-3350B/ AK	MOTIVE-MCC 39-2 CONTROL-MCC 39-2, 125V DC TB Res Bus #3B-1	S
1433		8A	D02-1001-0005AV20	SHUTDOWN COOLING/ Injection Line Valve	M-32/ AM/ E-2	Reactor	476' 6"	TORUS BAY 2	R		Closed	Closed	No	12E-2508E/ N	MOTIVE/CONTROL-N/A	S
1434		8A	D03-1001-0005AV20	SHUTDOWN COOLING/ Injection Line Valve	M-363/ AH/ E-2	Reactor	476' 6"	TORUS BAY 2	R		Closed	Closed	No	12E-3508E/ N	MOTIVE/CONTROL-N/A	S

APPENDIX B

SEISMIC QUALIFICATION UTILITIES GROUP (SQUG) ESSENTIAL RELAY LIST

The following is a listing of the components that comprise the Seismic Qualification Utilities Group (SQUG) Essential Relay List. This listing contains the relays associated with the equipment on the SQUG Relay Review Safe Shutdown Equipment List which are potentially vulnerable to chatter under a seismic event, and for which chatter could lead to unacceptable circuit operation. Operator action would not be available to reset or correct the circuit.

RELAY SCREENING AND EVALUATION
NOTES
DRESDEN NUCLEAR POWER STATION

1. For this contact, chatter is deemed to be "acceptable" because the component is not required to operate until after the earthquake is over.

2. For this contact, chatter is deemed to be "acceptable", however, chatter of the contacts controlling this relay would cause a seal in preventing the desired automatic operation of the equipment and therefore preventing the desired automatic operation and therefore evaluation of upstream contacts is required.

3. For this contact, chatter will not keep the time delay relay energized long enough for its contact to change state.

4. For this contact, chatter is acceptable as the equipment is not required to operate until the earthquake is over. However, this equipment requires a manual reset and therefore spurious actuation of the relay is not acceptable.

5. Control circuits contacts have not been listed because the power feed cable to the valve has been disconnected at the MCC.

6A. For this contact, chatter is deemed "acceptable." However, this "CA" designation requires that an additional contact, located either "upstream" or "downstream" in its circuit path, not change states during the earthquake. The upstream contact (labeled with "Note 6B") has been classified as an "essential" contact. As such, it will be evaluated for seismic ruggedness during the walkdown portion of the Dresden SQUG Project.

6B. For this contact, there exists an additional contact either "upstream" or "downstream" in its circuit path, that relies on its seismic ruggedness. In the event that the walkdown portion of the Dresden SQUG Project discovers that this contact is not seismically rugged, and that its contacts may chatter in an earthquake, then the "upstream" or "downstream" contact (labeled with a "NOTE 6A) must then be reclassified as "essential" and re-evaluated accordingly.

7. Chatter is acceptable for this contact and it is not required for auto-actuation of equipment at a later time because its initiating signals are from LPCI loop select logic which is not required for SQUG (no large line break). Operator action will be relied upon to actuate the equipment associated with this contact.

8. The spurious actuation caused by chatter of this contact is acceptable but it has been made essential because chatter could eventually cause opening of the overload contacts due to the lack of a contactor seal-in. Chatter of upstream contacts causing closure of this contact due to relay energization also causes seal-in of the relay. Therefore, controlling contacts are "chatter acceptable" and the contacts required to maintain the seal-in path shall be listed as "essential."

9. DELETED

10. For associated relays and power supplies, see the relay review for the Unit 2 Diesel Generator (DG2)

11. For associated relays and power supplies, see the relay review for the Unit 2 Diesel Generator (DG3)

12. For associated relays and power supplies, see the relay review for the Unit 2 Diesel Generator (DG2/3)

RELAY SCREENING AND EVALUATION
NOTES
DRESDEN NUCLEAR POWER STATION

13. For the Control Rod Drive System, the manual SCRAM function is assumed to be the primary mode of operation, and spurious operation is acceptable. For this reason, automatic SCRAM functions have been screened as CA.

14. This evaluation has been performed as typical for each of the 177 solenoids (XX-XX) on the hydraulic control units. This evaluation has been performed such that the essential contacts are unique (not typical of 177).

15. Operator action required to start the CR AFU Booster fans. Only 1 of the 2 fans should be on at a given time.

16. DELETED

17. For this contact, chatter may cause breaker trip/lockout device actuation. In such case, operator action will be required to reset the breaker/lockout before the off-site source may be restored. This has been evaluated in this method due to the anticipated difficulty in qualifying transformer relaying (i.e. Sudden Pressure Devices) and devices located outside the main power block.

18. DELETED

19. DELETED

20. Contacts upstream of this device have been evaluated with the control room refrigeration condensing unit (D00-9400-0102-R15).

RELAY SCREENING AND EVALUATION NOTES

DRESDEN NUCLEAR POWER STATION

OA - Operator action may be required to account for chatter of this contact

NV - Contact is not vulnerable to seismic movement

CA - Chatter of the contact has been determined not to adversely affect equipment operation

UND - Insufficient data exists to confirm seismic adequacy

UNG - No GERS exists for the subject device

UDC - Seismic demand Exceeds Seismic Capacity

UMO - A pending Modification has been identified which will replace this device.

UIE - Based on the apparent age of the equipment, Device may be qualified to current standards.

ULR - Device identified as "Low Rugggedness"

All other SAT descriptions refer to seismic screening data sheets

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
MAGNETROL	LEVEL	A-103F-EP/VP	2-5241-3				12E-2350B-1, R/Z	2-5241-3	DG 2	517'-6"	UNG
MAGNETROL	LEVEL	A-103F-EP/VP	2/3-5241-5				12E-2351B-1, R/ AF	2/3-5241-5	DG 2/3	517'-6"	UNG
			10R		Y	NC	12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			1R		Y	NO	12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			1TR		N	NC	12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			3R		Y	NO	12E-6811D, R/6	2/3-9400-102	TR B HVAC	534'-0"	UIE
			4R		Y	NO	12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			9R		Y	NO	12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			PSH-2/3-5741-064				12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			PSL-2/3-5741-065				12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			PSL-2/3-5741-067				12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			TSHX				12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			TSLX				12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			CH3CL2				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			CH3CL2				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			CH3CL2				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			CH3CL2				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			CH3CL2				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			NH3				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			NH3				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			NH3				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			NH3				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			NH3				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
W	AR660A		CR1		Y	NC	12E-6811C, R/C	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NC	12E-6811C, R/C	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NC	12E-6811C, R/C	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		N	NO	12E-6811C, R/C	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NO/NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NC	12E-2375, R/R	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NO/NC	12E-6811J, R/3	2/3-9400-105	TR B HVAC	534'-0"	AR
P&B	MDR		CR17		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	UIE

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
P&B	MDR		CR17		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	UIE
P&B	MDR		CR17		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	UIE
P&B	MDR		CR17		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	UIE
W	AR660A		CR2		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR2		N	NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR2		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR3		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR3		N	NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR3		N	NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR4		N	NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR880A		CR4X		N	NO/NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR880A		CR4X		N	NO/NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR880A		CR4X		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR880A		CR4X		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR880A		CR4X		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
			CR6	20	Y	NO	12E-6811D, R/6	2/3-9400-105	TR B HVAC	534'-0"	UIE
BARTON	FLOW	289	FS-2354				12E-2527 R/BA	2202-29	RB-N/44	476'-6"	IS
BARTON	FLOW	289	FS-2354				12E-2527 R/BA	2202-29	RB-N/44	476'-6"	IS
MERCOID	PRESS	DAW-443-4132	PS-2360				12E-2527 R/BA	2202-29	RB-N/44	476'-6"	ULR
MERCOID	PRESS	DA-7043-804	PS-2368A				12E-2527 R/BA	2202-29	RB-N/44	476'-6"	ULR
MERCOID	PRESS	DA-7043-804	PS-2368B				12E-2527 R/BA	2202-29	RB-N/44	476'-6"	ULR
BARTON	DIFF.PRE	288 (W/224 DP	261-35D				12E-2437A R/Z	2202-36	RB-M/43	476'-6"	UNG
BARTON	DIFF.PRE	288 (W/224 DP	261-35D				12E-2437A R/Z	2202-36	RB-M/43	476'-6"	UNG
BARTON	DIFF.PRE	288 (W/224 DP	261-35H				12E-2438A R/AB	2202-36	RB-M/43	476'-6"	UNG

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
BARTON	DIFF.PRE	288 (W/224 DP	261-35H				12E-2438A R/AB	2202-36	RB-M/43	476'-6"	UNG
STATIC O	PRESS	12N-AA5	1632-A /PS				12E-2437-1, R/ AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-AA5	1632-C /PS				12E-2437-1, R/ AN	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SSGE	263-52A				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SSGE	263-52A				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
DRESSER	PRESS	1539VX	CR		N	NO	12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	CR		N	NO	12E-2461A R/E	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	CR		N	NO	12E-2462A R/C	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	CR		N	NO	12E-2462-1 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	CR		N	NO	12E-2462-2 R/AW	2202-5	RB-E/39	545'-6"	UNG
			LIS-263-72A				12E-2430-1, R/ BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72A				12E-2430-1, R/ BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72A				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72A				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72C				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72C				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72C				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72C				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72C				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72C				12E-2430-1, R/ BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72C				12E-2430-1, R/ BD	2202-5	RB-E/39	545'-6"	UMO
STATIC O	PRESS	12N-AA5	PS 1632C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-AA5	PS 1632C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628A				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628A				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628A				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628A				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628A				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628B				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628B				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628B				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628B				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628B				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-AA5	PS-1632A				12E-2437-1, R/ AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632C				12E-2437-1, R/ AN	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS	B2T-M12SSGE	PS-263-52A				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS	B2T-M12SSGE	PS-263-52A				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS	B2T-M12SSGE	PS-263-52A				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS	B2T-M12SSGE	PS-263-52A				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS	B2T-M12SSGE	PS-263-52A				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS	B2T-M12SSGE	PS-263-52A				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
DRESSER	PRESS	1539VX	PSH				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSH				12E-2461A R/E	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSH				12E-2462A R/C	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSH				12E-2462-1 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSH				12E-2462-2 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSL				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSL				12E-2461A R/E	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSL				12E-2462A R/C	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSL				12E-2462-1 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSL				12E-2462-2 R/AW	2202-5	RB-E/39	545'-6"	UNG
STATIC O	PRESS.S	12N-AA5	1632-B /PS				12E-2438-1, R/ AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	1632-D /PS				12E-2438-1, R/ AS	2202-6	RB-M/41	545'-6"	IS
ITT	PRESS.S	288-560S	263-52B				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	263-52B				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	263-52B /PS				12E-2430-2, R/ BD	2202-6	RB-M/41	545'-6"	UNG
			263-72B	6B			12E-2527 R/BA	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72B				12E-2430-2, R/ BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72B				12E-2430-2, R/ BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72B				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72B				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72D				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			LIS-263-72D				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72D				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72D				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72D				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72D				12E-2430-2, R/ BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72D				12E-2430-2, R/ BD	2202-6	RB-M/41	545'-6"	UMO
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	12N-K4	12N-K4	PS-1629B				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	12N-K4	12N-K4	PS-1629B				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	12N-K4	12N-K4	PS-1629B				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	12N-K4	12N-K4	PS-1629B				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632-D				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632-D				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632-D				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632-D				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632B				12E-2438-1, R/ AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632D				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632D				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632D				12E-2438-1, R/ AS	2202-6	RB-M/41	545'-6"	IS
ITT	PRESS.S	288-560S	PS-263-52B				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	PS-263-52B				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	PS-263-52B				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	PS-263-52B				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	PS-263-52B				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	PS-263-52B				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	UNG
ITT	DIFF.IND.	SERIAL	261-34C				12E-2437A R/Z	2202-7	RB-K/39	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS-GE	263-111C				12E-2437A R/Z	2202-7	RB-K/39	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS-GE	263-111C				12E-2437A R/Z	2202-7	RB-K/39	517'-6"	IS
AGASTAT	TDR	7022PC002	287-120B		N	NC	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA1

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT	TDR	7022PC002	287-120B		Y	NC	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA1
AGASTAT	TDR	7022PC002	287-120C		N	NC	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA1
AGASTAT	TDR	7022PC002	287-120C		Y	NC	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA1
AGASTAT	TDR	7022PC002	287-121B		N	NC	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA1
AGASTAT	TDR	7022PC002	287-121B		Y	NC	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA1
AGASTAT	TDR	7022PC002	287-121C		N	NC	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA1
AGASTAT	TDR	7022PC002	287-121C		Y	NC	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA1
AGASTAT	EGP	EGPD002	287-122B		N	NO	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-122B		Y	NO	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-122C		N	NO	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-122C		Y	NO	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-123B		N	NO	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-123B		Y	NO	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-123C		N	NO	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-123C		Y	NO	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103A		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103A		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103A		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1C		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1C		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1C		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2C		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2C		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2C		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103B		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103B		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103B		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1D		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1D		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1D		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2D		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2D		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2D		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT	EGP	EGP-B-002	2-1501-93A		N	NC	12E-2437-2 R/AM	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02A		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02A		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02A		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02A		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02C		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02C		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02C		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02C		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-4		N	NO	12E-2527 R/BA	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-4		N	NO	12E-2527 R/BA	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-4		N	NO	12E-2527 R/BA	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-4		N	NO	12E-2527 R/BA	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-4		N	NO	12E-2527 R/BA	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-4		N	NO	12E-2527 R/BA	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-1501-93B		N	NC	12E-2438-2 R/AR	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02B		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02B		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02B		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02B		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02D		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02D		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02D		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02D		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-6		N	NO	12E-2527 R/BA	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-6		N	NO	12E-2527 R/BA	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-6		N	NO	12E-2527 R/BA	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-6		N	NO	12E-2527 R/BA	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-6		N	NO	12E-2527 R/BA	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-6		N	NO	12E-2527 R/BA	2202-73B	TB-H/35	538'-0"	UIE
BARTON	DIFF.PRE	289A	261-34D				12E-2438A R/AB	2202-8	RB-K/43	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS-GE	263-111D				12E-2438A R/AB	2202-8	RB-K/43	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS-GE	263-111D				12E-2438A R/AB	2202-8	RB-K/43	517'-6"	IS

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
STATIC O	PRESS.S	12N-AA5	1632A /PS				12E-3437-1, R/ AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	1632C /PS				12E-3437-1, R/ AD	2203-5	RB-M/47	545'-6"	IS
YARWAY	LEVEL	4418C	LIS-263-72A				12E-3430-1, R/ AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-3430-1, R/ AP	2203-5	RB-M/47	545'-6"	UMO
STATIC O	PRESS.S	12N-AA5	1632B /PS				12E-3438-1, R/ AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	1632D /PS				12E-3438-1, R/ AF	2203-6	RB-K/49	545'-6"	IS
			LIS-263-72B				12E-3430-2, R/ AN	2203-6	RB-K/49	545'-6"	UMO
			LIS-263-72D				12E-3430-2, R/ AN	2203-6	RB-K/49	545'-6"	UMO
GE	HFA-3NC	12HFA151A2F	6600-HFA1		N	NC	12E-2351B-1, R/ AF	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-3NC	12HFA151A2F	6600-HFA1		Y	NC	12E-2351B-1, R/ AF	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-3NC	12HFA151A2F	6600-HFA1		N	NC	12E-2351B-1, R/ AF	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-3NC	12HFA151A2F	6600-HFA1		Y	NC	12E-2351B-1, R/ AF	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-3NC	12HFA151A2F	6600-HFA1		N	NC	12E-2351B-2, R/ AM	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-3NC	12HFA151A2F	6600-HFA1		Y	NC	12E-2351B-2, R/ AM	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-3NC	12HFA151A2F	6600-HFA1		N	NC	12E-2351B-2, R/ AM	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-3NC	12HFA151A2F	6600-HFA1		Y	NC	12E-2351B-2, R/ AM	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-1NC	12HFA151A2F	6600-HFA2		N	NC	12E-2351B-3, R/ AC	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-1NC	12HFA151A2F	6600-HFA2		Y	NC	12E-2351B-3, R/ AC	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-1NC	12HFA151AF2	6600-HFA2		N	NC	12E-2351B-3, R/ AC	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-1NC	12HFA151AF2	6600-HFA2		Y	NC	12E-2351B-3, R/ AC	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-1NC	12HFA151A2F	6600-HFA2		N	NC	12E-2351B-3, R/ AM	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-1NC	12HFA151A2F	6600-HFA2		Y	NC	12E-2351B-3, R/ AM	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-1NC	12HFA151A2F	6600-HFA2		N	NC	12E-2351B-2, R/ AM	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-1NC	12HFA151A2F	6600-HFA2		Y	NC	12E-2351B-2, R/ AM	2223-109	DG 2/3	517'-6"	HFA
			A		Y	NO/NC	12E-2676B, R / AA	2223-109	DG 2/3	517'-6"	UND
			A		N	NO/NC	12E-2676B, R / AA	2223-109	DG 2/3	517'-6"	UND
			N		Y	NO/NC	12E-2676B, R / AA	2223-109	DG 2/3	517'-6"	UND
			N		N	NO/NC	12E-2676B, R / AA	2223-109	DG 2/3	517'-6"	UND
GE	CEH	12CEH51A1A	140-DG2/3		N	NO	12E-2345-2 R/AM	2223-33	DG 2/3	517'-6"	ULR
GE	CEH	12CEH51A1A	140-DG2/3		N	NO	12E-2345-2, R/AM	2223-33	DG 2/3	517'-6"	ULR
GE	IAV	12IAV51D1A	159-DG2/3		N	NO	12E-2345-2 R/AM	2223-33	DG 2/3	517'-6"	UNG
GE	IAV	12IAV51D1A	159-DG2/3		N	NO	12E-2345-2, R/AM	2223-33	DG 2/3	517'-6"	UNG
GE	CFF	12CFF14B21A	181DG2/3				12E-2351B-3 R/AC	2223-33	DG 2/3	517'-6"	UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	CFF	12CFF14B21A	181DG2/3				12E-2351B-3, R/AC	2223-33	DG 2/3	517'-6"	UNG
GE	HFA-3NC	12HFA51A42H	181Y-DG2/3		N	NO/NC	12E-2345-1 R/AT	2223-33	DG 2/3	517'-6"	UDC
GE	HFA-3NC	12HFA51A42H	181Y-DG2/3		Y	NO/NC	12E-2345-1 R/AT	2223-33	DG 2/3	517'-6"	HFA
GE	HFA-3NC	12HFA51A42H	181Y-DG2/3		Y	NO/NC	12E-2345-1 R/AT	2223-33	DG 2/3	517'-6"	HFA
GE	HFA-3NC	12HFA51A42H	181Y-DG2/3		N	NO/NC	12E-3345-1, R/AP	2223-33	DG 2/3	517'-6"	UDC
GE	HFA-3NC	12HFA51A42H	181Y-DG2/3		Y	NO/NC	12E-3345-1, R/AP	2223-33	DG 2/3	517'-6"	HFA
GE	ICW	12ICW51A1A	192-DG2/3		N	NO	12E-2345-2 R/AM	2223-33	DG 2/3	517'-6"	UNG
GE	ICW	12ICW51A1A	192-DG2/3		N	NO	12E-2345-2, R/AM	2223-33	DG 2/3	517'-6"	UNG
GE	HGA	12HGA111A2F	RT-DG2/3		N	NO	12E-3345-1, R/AP	2223-33	DG 2/3	517'-6"	HGA
SQUARE D	EQ1281G2	CLASS 8504	EXC		Y	NO	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UNG
SQUARE D	EQ1281G2	CLASS 8504	EXC		N	NO	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UNG
SQUARE D	EQ1965G1	EMD 8284295	FFC		Y	NO	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UNG
SQUARE D	EQ1965G1	EMD 8284295	FFC		N	NO	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UNG
			IV		N	NC	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
			IV		Y	NC	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
			LO		N	NO	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
			LO		Y	NO	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
			OTL				12E-2351A-1, R/ AM	2223-41	DG 2/3	517'-6"	UND
VAPOR	3653008-2-	EMD 8370794	SDR		N	NO	12E-2351A-1, R/ AM	2223-41	DG 2/3	517'-6"	UNG
VAPOR	3653008-2-	EMD 8370794	SDR		Y	NO	12E-2351A-1, R/ AM	2223-41	DG 2/3	517'-6"	UNG
			SE		N	NO/NC	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
			SE		Y	NO/NC	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
			TS				12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
CARDOX	RELAY	47H	AR1		N	NC	12E-2350B-1, R/Z	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	47H	AR1		N	NC	12E-2350B-1, R/Z	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	47H	AR3		N	NC	12E-2351B-2, R/ AM	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	47H	AR3		N	NC	12E-2351B-2, R/ AM	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	45H	HR1		N	NO	12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	45H	HR1		N	NO	12E-2395, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	45H	HR1		N	NO	12E-2395, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	45H	HR3		N	NO	12E-2595, R/ L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	45H	HR3		N	NO	12E-2595, R/ L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TH				12E-2595, R/ L	2223-53	TB-G/45	517'-6"	UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
CARDOX	TIMER	512	TH				12E-2595, R/ L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TH				12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TH				12E-2395, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TH				12E-2395, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TM (A/B)				12E-2395, R/L	2223-53	TB-G/45	517'-6"	UNG
WEST.	SV	STYLE	FFCO		N	NO/NC	12E-2351A-1, R/ AM	2233-41	DG 2/3	517'-6"	ULR
WEST.	SV	STYLE	FFCO		Y	NO/NC	12E-2351A-1, R/ AM	2233-41	DG 2/3	517'-6"	ULR
GE	CEH	12CEH51A1A	140-DG2		N	NO	12E-2346-2, R/AN	2252-10	DG 2	517'-6"	ULR
GE	IAV	12IAV51D1A	159-DG2		N	NO	12E-2346-2, R/AN	2252-10	DG 2	517'-6"	UNG
GE	CFF	12CFF14B21A	181DG2				12E-2350B-2, R/AD	2252-10	DG 2	517'-6"	UNG
GE	HFA-3NC	12HFA51A42H	181Y-DG2		N	NO/NC	12E-2346-2, R/AN	2252-10	DG 2	517'-6"	UDC
GE	HFA-3NC	12HFA51A42H	181Y-DG2		Y	NO/NC	12E-2346-2, R/AN	2252-10	DG 2	517'-6"	HFA
GE	ICW	12ICW51A1A	192-DG2		N	NO	12E-2346-2, R/AN	2252-10	DG 2	517'-6"	UNG
SQUARE D	EQ1281G2	CLASS 8504	EXC		N	NO	12E-2336, R/Q	2252-21	DG 2	517'-6"	UNG
SQUARE D	EQ1281G2	CLASS 8504	EXC		Y	NO	12E-2336, R/Q	2252-21	DG 2	517'-6"	UNG
SQUARE D	EQ1965G1	CLASS 8504	FFC		N	NO	12E-2336, R/Q	2252-21	DG 2	517'-6"	UNG
SQUARE D	EQ1965G1	CLASS 8504	FFC		Y	NO	12E-2336, R/Q	2252-21	DG 2	517'-6"	UNG
WEST.	SV	STYLE	FFCO		N	NO/NC	12E-2350A-1, R/ AH	2252-21	DG 2	517'-6"	ULR
WEST.	SV	STYLE	FFCO		Y	NO/NC	12E-2350A-1, R/ AH	2252-21	DG 2	517'-6"	ULR
			OTL				12E-2350A-1, R/AC	2252-21	DG 2	517'-6"	UND
GE	36530082-	EMD 8370794	SDR		Y	NO	12E-2350A-1, R/ AH	2252-21	DG 2	517'-6"	UNG
GE	36530082-	EMD 8370794	SDR		N	NO	12E-2350A-1, R/ AH	2252-21	DG 2	517'-6"	UNG
ABB POWER	27NR	410T4375-HF-L	127-3-B23-1				12E-2345-3, R/ AK	2252-83	RB-N/39	545'-6"	ABB
ABB POWER	27NR	410T4375-HF-L	127-4-B23-1				12E-2345-3, R/ AK	2252-83	RB-N/39	545'-6"	ABB
AGASTAT	ETR	ETR-14D3B	27XTD-23-1		N	NO	12E-2345-1 R/AT	2252-83	RB-N/39	545'-6"	UIE
AGASTAT	ETR	ETR-14D3B	27XTD-23-1		Y	NO	12E-2345-1 R/AT	2252-83	RB-N/39	545'-6"	AGA2
AGASTAT	EGP	EGPD003	427Y1-23-1		N	NO	12E-2345-3, R/ AK	2252-83	RB-N/39	545'-6"	UIE
AGASTAT	EGP	EGPD003	427Y1-23-1		Y	NO	12E-2345-3, R/ AK	2252-83	RB-N/39	545'-6"	AGA2
AGASTAT	ETR	ETR14D3N402	TDR / 23-1		N	NO	112E-2345-3, R/ AK	2252-83	RB-N/39	545'-6"	UIE
ABB POWER	27NR	410T4375-HF-L	127-3-B24-1				12E-2346-3, R/ AJ	2252-84	RB-N/42	545'-6"	ABB
ABB POWER	27NR	410T4375-HF-L	127-4-B24-1				12E-2346-3, R/ AJ	2252-84	RB-N/42	545'-6"	ABB
AGASTAT	ETR	ETR-14D3B	27XTD-24-1	10	Y	NO	12E-2346-2, R/AN	2252-84	RB-N/42	545'-6"	AGA2
AGASTAT	ETR	ETR-14D3B	27XTD-24-1	10	N	NO	12E-2346-2, R/AN	2252-84	RB-N/42	545'-6"	UIE

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT	EGP	EGPD003	427Y1-24-1		N	NO	12E-2346-3, R/A	2252-84	RB-N/42	545'-6"	UIE
AGASTAT	EGP	EGPD002	459X1-24-1		Y	NO	12E-2346-3, R/AJ	2252-84	RB-N/42	545'-6"	AGA2
AGASTAT	ETR	ETR14D3N002	TDR / 24-1		N	NO	12E-2346-3, R/ AJ	2252-84	RB-N/42	545'-6"	UIE
ABB PWR	27N-R	CAT.#410T4375-	127-3-B33-1				12E-2345-2, R/ AK	2253-83	RB-N/47	545'-6"	ABB
ABB PWR	27N-R	CAT.#410T4375-	127-4-B33-1				12E-2345-2, R/ AK	2253-83	RB-N/47	545'-6"	ABB
AGASTAT	ETR	ETR-14D3B	27XTD-33-1		N	NO	12E-3345-1, R/AP	2253-83	RB-N/47	545'-6"	UIE
AGASTAT	ETR	ETR-14D3B	27XTD-33-1		Y	NO	12E-3345-1, R/AP	2253-83	RB-N/47	545'-6"	AGA2
AGASTAT	EGP	EGPD	427Y1-33-1		N	NO	12E-2345-2, R/ AK	2253-83	RB-N/47	545'-6"	UIE
AGASTAT	EGP	EGP	459X1-33-1		Y	NO	12E-3345-2, R/ AK	2253-83	RB-N/47	545'-6"	AGA2
AGASTAT	ETR	ETR	TDR 33-1		N	NO	12E-2345-2, R/ AK	2253-83	RB-N/47	545'-6"	UIE
CUTLER		6002H706B 954	C				12E-2529-3 R/AK	250VDC MCC 2A (AA01)	RB-N/42	570'-0"	UDC
			M				12E-2529-4 R/AK	250VDC MCC 2A (AA01)	RB-N/42	570'-0"	UDC
CUTLER		6002H706B 954	O				12E-2529-3 R/AK	250VDC MCC 2A (AA01)	RB-N/42	570'-0"	UDC
CUTLER		6002H706B	C				12E-2529-1 R/AH	250VDC MCC 2A (AA02)	RB-N/42	570'-0"	UDC
			M				12E-2529-1 R/AH	250VDC MCC 2A (AA02)	RB-N/42	570'-0"	UDC
CUTLER		6002H706B	O				12E-2529-1 R/AH	250VDC MCC 2A (AA02)	RB-N/42	570'-0"	UDC
CUTLER		789	OL				12E-2529-1 R/AH	250VDC MCC 2A (AA02)	RB-N/42	570'-0"	UDC
			1A				12E-2532 R/AB	250VDC MCC 2A (B01)	RB-N/42	570'-0"	UDC
			2A				12E-2532 R/AB	250VDC MCC 2A (B01)	RB-N/42	570'-0"	UDC
			72/M2				12E-2532 R/AB	250VDC MCC 2A (B01)	RB-N/42	570'-0"	UDC
CUTLER		6002H342B	72/M1				12E-2532 R/AB	250VDC MCC 2A (C01)	RB-N/42	570'-0"	UDC
CUTLER		673	TA				12E-2532 R/AB	250VDC MCC 2A (C01)	RB-N/42	570'-0"	UDC
CUTLER	NEMA	6002H336B	72/M9				12E-2532 R/AB	250VDC MCC 2A (C02)	RB-N/42	570'-0"	UDC
		538	TA				12E-2532 R/AB	250VDC MCC 2A (C02)	RB-N/42	570'-0"	UDC
			72/M1				12E-2532 R/AB	250VDC MCC 2A (D02)	RB-N/42	570'-0"	UDC
			TA				12E-2532 R/AB	250VDC MCC 2A (D02)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	C				12E-2530 R/AA	250VDC MCC 2B (J01)	RB-N/42	570'-0"	UDC
CUTLER		6002H335B	M				12E-2530 R/AA	250VDC MCC 2B (J01)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	O				12E-2530 R/AA	250VDC MCC 2B (J01)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	C				12E-2530 R/AA	250VDC MCC 2B (K01)	RB-N/42	570'-0"	UDC
CUTLER		6002H335B	M				12E-2530 R/AA	250VDC MCC 2B (K01)	RB-N/42	570'-0"	UDC
		6002H346B	O				12E-2530 R/AA	250VDC MCC 2B (K01)	RB-N/42	570'-0"	UDC
			C				12E-2529-2 R/AJ	250VDC MCC 2B (K02)	RB-N/42	570'-0"	UDC

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
CUTLER		6002H342B	M				12E-2529-4 R/AK	250VDC MCC 2B (K02)	RB-N/42	570'-0"	UDC
			O				12E-2529-2 R/AJ	250VDC MCC 2B (K02)	RB-N/42	570'-0"	UDC
CUTLER		789	OL				12E-2529-2 R/AJ	250VDC MCC 2B (K02)	RB-N/42	570'-0"	UDC
			C				12E-2529-4 R/AK	250VDC MCC 2B (L01)	RB-N/42	570'-0"	UDC
		6002H342B	M				12E-2529-4 R/AK	250VDC MCC 2B (L01)	RB-N/42	570'-0"	UDC
			O				12E-2529-4 R/AK	250VDC MCC 2B (L01)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	C				12E-2530 R/AA	250VDC MCC 2B (L02)	RB-N/42	570'-0"	UDC
CUTLER		6002H335B	M				12E-2530 R/AA	250VDC MCC 2B (L02)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	O				12E-2530 R/AA	250VDC MCC 2B (L02)	RB-N/42	570'-0"	UDC
CUTLER		789	OL				12E-2530 R/AA	250VDC MCC 2B (L02)	RB-N/42	570'-0"	UDC
			C				12E-2529-3 R/AK	250VDC MCC 2B (M02)	RB-N/42	570'-0"	UDC
			M				12E-2529-4 R/AK	250VDC MCC 2B (M02)	RB-N/42	570'-0"	UDC
			O				12E-2529-3 R/AK	250VDC MCC 2B (M02)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	C				12E-2530 R/AA	250VDC MCC 2B (O02)	RB-N/42	570'-0"	UDC
CUTLER		6002H335B	M				12E-2529-4 R/AK	250VDC MCC 2B (O02)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	O				12E-2530 R/AA	250VDC MCC 2B (O02)	RB-N/42	570'-0"	UDC
CUTLER		10176H135A	OL	4			12E-2530 R/AA	250VDC MCC 2B (O02)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	C				12E-2530 R/AA	250VDC MCC 2B (P01)	RB-N/42	570'-0"	UDC
CUTLER		6002H335B	M				12E-2529-4 R/AK	250VDC MCC 2B (P01)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	O				12E-2530 R/AA	250VDC MCC 2B (P01)	RB-N/42	570'-0"	UDC
CUTLER		10176H135A	OL	4			12E-2530 R/AA	250VDC MCC 2B (P01)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	C				12E-2529-1 R/AH	250VDC MCC 2B (P02)	RB-N/42	570'-0"	UDC
CUTLER		6002H335B	M				12E-2529-4 R/AK	250VDC MCC 2B (P02)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	O				12E-2529-1 R/AH	250VDC MCC 2B (P02)	RB-N/42	570'-0"	UDC
CUTLER		10176H135A	OL	4			12E-2529-1 R/AH	250VDC MCC 2B (P02)	RB-N/42	570'-0"	UDC
GE	AUX	CR105X	42/O				12E-2505A R/L	28-1-1 (DIST. PNL.)	RB-L/38	517'-6"	UDC
GE	IAV	12IAV69A1A	227-1-B29		N	NO	12E-2349-2 R/AD	480V SWGR 29 (292B)	RB-N/41	570'-0"	UNG
GE	IAV	12IAV69A1A	227-2-B29		N	NO	12E-2349-2 R/AD	480V SWGR 29 (292B)	RB-N/41	570'-0"	UNG
			227-B29X3		N	NO	12E-2349-2 R/AD	480V SWGR 29 (292B)	RB-N/41	570'-0"	UND
GE	IAC-51A	12IAC51A101A	151 /SI(A)		N	NO/NC	12E-2342 R/AC	4KV SWGR 23 (12)	TB-D/32	534'-0"	UNG
GE	IAC-51A	12IAC51A101A	151 /SI(A)		N	NO	12E-2342- R/AC	4KV SWGR 23(12)	TB-D/32	534'-0"	UNG
GE	IAC-51A	12IAC51A101A	151 /SI(C)		N	NO/NC	12E-2342 R/AC	4KV SWGR 23 (12)	TB-D/32	534'-0"	UNG
GE	IAC-51A	12IAC51A101A	151 /SI(C)		N	NO	12E-2342-R/AC	4KV SWGR 23(12)	TB-D/32	534'-0"	UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IAC-51A	12IAC51A3A	151N/SI		N	NO/NC	12E-2342 R/AC	4KV SWGR 23 (12)	TB-D/32	534'-0"	UNG
GE	IAC-51A	12IAC51A3A	151N/SI		N	NO	12E-2342-R/AC	4KV SWGR 23(12)	TB-D/32	534'-0"	UNG
GE	HEA		86		N	NO	12E-2342 R/AC	4KV SWGR 23(12)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO/NC	12E-2342 R/AC	4KV SWGR 23 (12)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-1 R/U	4KV SWGR 23(12)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-2 R/V	4KV SWGR 23(2)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	HEA
GE	IJD	12IJD53C11A	87 /SI(A)		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87 /SI(B)		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	IJD
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2342 R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2342 R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-2342 R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-2342 R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	UNG
GE	IAC	121AC51A3A	151N/SI		N	NO	12E-2342 R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	UNG
GE	IAC	121AC51A3A	151N/SI		N	NO	12E-2342-R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	UNG
GE	HEA		86		N	NO/NC	12E-2342 R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-1 R/U	4KV SWGR 23(3)	TB-D/32	534'-0"	HEA
GE	IAV	12IAV69A1A	127-1-B23				12E-2342, R/ AC	4KV SWGR 23 (4)	TB-D/32	534'-0"	UNG
GE	IAV	12IAV69A1A	127-2-B23				12E-2342, R/ AC	4KV SWGR 23 (4)	TB-D/32	534'-0"	UNG
GE	HFA-6NO	12HFA51A42F	127B-23-X1	10	N	NO	12E-2344-1 R/U	4KV SWGR 23(4)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	127B23X1		N	NO	12E-2342, R/ AC	4KV SWGR 23 (4)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	127B23X3		N	NO	12E-2351B-2, R/ AM	4KV SWGR 23 (4)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44B		N	NO	12E-2675A R/AH	4KV SWGR 23 (5)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44B		N	NO	12E-2675C R/AA	4KV SWGR 23 (5)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44B		N	NO	12E-2675C R/AA	4KV SWGR 23 (5)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44B		N	NO	12E-2675C R/AA	4KV SWGR 23 (5)	TB-D/32	534'-0"	HFA
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (11)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (11)	RB-N/40	545'-6"	UNG
GE	PJC	12PJC11AV1A	151N		N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (11)	RB-N/40	545'-6"	UDC

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			52/Y		N	NO/NC	12E-2436-1 R/AA	4KV SWGR 23-1 (11)	RB-N/40	545'-6"	UND
GE	HEA		86	4	N	NO/NC	12E-2436-1 R/AA	4KV SWGR 23-1 (11)	RB-N/40	545'-6"	HEA
			151 /SI(A)		N	NO	12E-2345-4 R/B	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			151 /SI(B)		N	NO	12E-2345-4 R/B	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			151 /SI(C)		N	NO	12E-2345-4 R/B	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			151N/SI		N	NO	12E-2345-4 R/B	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
GE	IAV	12IAV69A1A	127-1-B23-1				12E-2345-3, R/ AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UNG
GE	IAV	12IAV69A1A	127-2-B23-1				12E-2345-3, R/ AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UNG
GE	HFA-2NC	12HFA51A42F	127-B23-1X1	12	Y	NO	12E-2516 R/K	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X1	12	Y	NO	12E-2516 R/K	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X1	12	N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B23-1X2	12	Y	NO	12E-2520 R/V	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-NC	12HFA51A42F	127-B23-1X2	12	N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	Y	NO	12E-2345-3 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	N	NO	12E-2345-3 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	N	NO	12E-2345-3 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	N	NC	12E-2437-1 R/AN	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	Y	NC	12E-2437-1 R/AN	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	N	NC	12E-2437-1 R/AN	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	Y	NC	12E-2437-1 R/AN	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B23-1X4	12	Y	NC	12E-2437-2 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B23-1X4	12	N	NC	12E-2437-2 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B23-1X4	12	Y	NC	12E-2437-2 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B23-1X4	12	N	NC	12E-2437-2 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B-23-1-1X1	12	N	NC	12E-2430-1 R/BD	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B-23-1X3	10	N	NO	12E-2344-1 R/U	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B-23-1X3	10	Y	NO	12E-2344-1 R/U	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B23-1X1		N	NO	12E-2345-3, R/ AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B23-1X1		Y	NO	12E-2345-3, R/ AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127B23-1X2	12	Y	NC	12E-2429-1 R/AB	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127B23-1X4		N	NO	12E-2351B-2, R/ AM	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127B23-1X4		Y	NO	12E-2351B-2, R/ AM	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-2345-2 R/AM	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-2345-2 R/AM	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (C)		N	NO	12E-2345-2 R/AM	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UNG
GE	HGA	12HGA11J52	2/3-6600-IR2		Y	NO	12E-2345-1 R/AT	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UDC
			52Y		Y	NO	12E-2345-1 R/AT	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UND
			52Y		N	NO	12E-2345-1 R/AT	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UND
			52Y		N	NO	12E-2345-1 R/AT	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UND
GE	HEA		86	4			12E-2345-4 R/B	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	HEA
			AR 152-2333		N	NO	12E-2345-2 R/AM	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UND
			AR152-2333		N	NO	12E-2345-2, R/AM	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UND
GE	HGA		ASR-2/3-2		Y	NO	12E-2351A-1, R/ AM	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UDC
GE	IAC	12IAC66B3A	151 / SI (A)		N	NO	12E-3344-2, R/W	4KV SWGR 23-1 (3)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	151 / SI (B)		N	NO	12E-3344-2, R/W	4KV SWGR 23-1 (3)	RB-N/40	545'-6"	UNG
GE	PJC	12PJC11AV1A	151 / SI (N)		N	NO	12E-3344-2, R/W	4KV SWGR 23-1 (3)	RB-N/40	545'-6"	UDC
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (5)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (5)	RB-N/40	545'-6"	UNG
GE	PJC	12PJC11AV1A	151N		N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (5)	RB-N/40	545'-6"	UDC
			52/Y		N	NO/NC	12E-2436-1 R/AA	4KV SWGR 23-1 (5)	RB-N/40	545'-6"	UND
GE	HEA		86	4	N	NO/NC	12E-2436-1 R/AA	4KV SWGR 23-1 (5)	RB-N/40	545'-6"	HEA
GE	IAC	12IAC51B113A	150/151/SI(A)		N	NO	12E-2349-2 R/AD	4KV SWGR 23-1(7)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51B113A	150/151/SI(C)		N	NO	12E-2349-2 R/AD	4KV SWGR 23-1(7)	RB-N/40	545'-6"	UNG
GE	PJC	12PJC11AV1A	151N		N	NO	12E-2349-2 R/AD	4KV SWGR 23-1(7)	RB-N/40	545'-6"	UDC
GE	IAC	12IAC66B3A	151/150/SI(A)		N	NO	12E-2349-1 R/AC	4KV SWGR 23-1 (8)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	151/150/SI(C)		N	NO	12E-2349-1 R/AC	4KV SWGR 23-1 (8)	RB-N/40	545'-6"	UNG
GE	PJC	12PJC11AV1A	151N		N	NO	12E-2349-1 R/AC	4KV SWGR 23-1 (8)	RB-N/40	545'-6"	UDC
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1 (9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1 (9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A3A	151 / SI (N)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1 (9)	RB-N/40	545'-6"	UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IAC	12IAC51A3A	151N		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC-51A		151N/SI		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	HEA		186-2329		N	NC	12E-2345-1 R/AT	4KV SWGR 23-1 (9)	RB-N/40	545'-6"	HEA
GE	HEA		86		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	HEA
GE	HEA		86	4	N	NO	12E-2345-4 R/B	4KV SWGR 23-1(9)	RB-N/40	545'-6"	HEA
GE	HEA		86		N	NC	12E-2344-1 R/U	4KV SWGR 23-1(9)	RB-N/40	545'-6"	HEA
GE	HEA		86		N	NO	12E-2344-4 R/T	4KV SWGR 24 (12)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-3 R/U	4KV SWGR 24(12)	TB-D/32	534'-0"	HEA
GE	IJD	12IJD53C11A	87 /SI(A)		N	NO	12E-2344-3 R/U	4KV SWGR 24 (12)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87 /SI(B)		N	NO	12E-2344-3 R/U	4KV SWGR 24 (12)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87 /SI(C)		N	NO	12E-2344-3 R/U	4KV SWGR 24 (12)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-2344-3 R/U	4KV SWGR 24(12)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-2344-3 R/U	4KV SWGR 24(12)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-2344-3 R/U	4KV SWGR 24(12)	TB-D/32	534'-0"	IJD
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	UNG
GE	HEA		86		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-3 R/U	4KV SWGR 24 (14)	TB-D/32	534'-0"	HEA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44C		N	NO	12E-2678C R/F	4KV SWGR 24 (3)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44C		N	NO	12E-2678C R/F	4KV SWGR 24 (3)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44C		N	NO	12E-2678C R/F	4KV SWGR 24 (3)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44C		N	NO	12E-2678C R/F	4KV SWGR 24 (3)	TB-D/32	534'-0"	HFA
GE	IAC	12IAC51A3A	151 N/SI		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HEA		86		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-3 R/U	4KV SWGR 24 (5)	TB-D/32	534'-0"	HEA
GE	IAV	12IAV69A1A	127-1-XT22				12E-2343 R/AC	4KV SWGR 24(6)	TB-D/32	534'-0"	UNG
GE	IAV	12IAV69A1A	127-2-XT22				12E-2343 R/AC	4KV SWGR 24(6)	TB-D/32	534'-0"	UNG
GE	HFA-2NC	12HFA51A42F	127-XT22X		N	NO/NC	12E-2343 R/AC	4KV SWGR 24(6)	TB-D/32	534'-0"	UDC
GE	HFA-1NC	12HFA51A42F	127B-24-X3	10	N	NO	12E-2344-3 R/U	4KV SWGR 24(6)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	127B24X1		N	NO	12E-2343, R/AC	4KV SWGR 24 (6)	TB-D/32	534'-0"	HFA
GE	HFA-1NC	12HFA51A42F	127B24X3		N	NO	12E-2350B-2, R/AD	4KV SWGR 24 (6)	TB-D/32	534'-0"	HFA
GE	IAC	12IAC51A3A	151 / (N)		N	NO	12E-2344, R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2344-4 R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2344-4 R/V	4KV SWGR 24-1(11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-2344, R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-2344, R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2344-4 R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2344-4 R/V	4KV SWGR 24-1(11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-2344-4 R/T	4KV SWGR 24-1(11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-2344-4 R/T	4KV SWGR 24-1(11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-2344-4 R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-2344-4 R/V	4KV SWGR 24-1(11)	RB-N/41	545'-6"	UNG
GE	IAC51		151N/SI		N	NO	12E-2344-4 R/T	4KV SWGR 24-1(11)	RB-N/41	545'-6"	UNG
GE	HEA		186-2430		N	NC	12E-2346-2, R/AN	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	HEA
GE	HEA		86		N	NO	12E-2344-4 R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	HEA
GE	HEA		86		N	NO	12E-2344-3 R/U	4KV SWGR 24-1(11)	RB-N/41	545'-6"	HEA
GE	HEA		86	4	N	NC	12E-2346-1 R/AH	4KV SWGR 24-1(11)	RB-N/41	545'-6"	HEA
GE	HEA		186-DG2		N	NC	12E-2350A-1, R/ AH	4KV SWGR 24-1 (13)	RB-N/41	545'-6"	HEA
GE	HEA		86	4	N	N0/NC	12E-2346-1 R/AH	4KV SWGR 24-1(13)	RB-N/41	545'-6"	HEA
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-2346-1 R/AH	4KV SWGR 24-1(13)	RB-N/41	545'-6"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-2346-1 R/AH	4KV SWGR 24-1(13)	RB-N/41	545'-6"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-2346-1 R/AH	4KV SWGR 24-1(13)	RB-N/41	545'-6"	IJD
GE	HFA-1NC	12HFA51A42F	127-B24-1-X2	10	Y	NO	12E-2346-3, R/AJ	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1-X2	10	N	NO	12E-2346-3, R/AJ	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127B24-1X1		N	NO	12E-2346-3, R/A	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B24-1X3		Y	NO	12E-2350B-2, R/ AD	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-2NC	12HFA51A42F	127B24-1X3		N	NO	12E-2350B-2, R/ AD	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (C)		N	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG
GE	IAV	12IAV69A1A	159-1-SD2				12E-2346-3, R/AJ	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG
GE	IAV	12IAV69A1A	159-2-SD2				12E-2346-3, R/AJ	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG
GE	HFA-6NO	12HFA51A42F	159-SD2X		Y	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	HFA-6NO	12HFA51A42F	159-SD2X		N	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	HEA	12HEA61B235	186-DG2		N	NC	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	HEA
WEST.	SA1	STYLE	187-DG2				12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG
WEST.	SA1	STYLE	187DG2				12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG
			52Y		Y	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UND
			52Y		N	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UND
GE	HGA	12HGA11J52G	ASR-2		Y	NO	12E-2350A-1, R/ AH	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	IAV	12IAV69A1A	127-1-B24-1				12E-2346-3, R/AJ	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UNG
GE	IAV	12IAV69A1A	127-2-B24-1				12E-2346-3, R/AJ	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UNG
GE	HFA-1NC	12HFA51A42F	127-B24-1X1	10	N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X2	10	Y	NO	12E-2516 R/K	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X2	10	Y	NO	12E-2520 R/V	4KV SWGR 24-1(3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X2	10	N	NC	12E-2438-2 R/AR	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X2	10	Y	NC	12E-2438-2 R/AR	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X2	10	N	NO/NC	12E-2436-2 R/Y	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X2	10	Y	NC	12E-2438-2 R/AR	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B24-1X3	10	Y	NC	12E-2438-1 R/AS	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B24-1X3	10	N	NC	12E-2438-1 R/AS	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B24-1X3	10	Y	NC	12E-2438-1 R/AS	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B24-1X3	10	N	NC	12E-2438-1 R/AS	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127B-24-1-1X1	10	N	NC	12E-2430-2 R/BD	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B-24-1X3	10	N	NO	12E-2344-3 R/U	4KV SWGR 24-1(3)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B-24-1X3	10	Y	NO	12E-2344-3 R/U	4KV SWGR 24-1(3)	RB-N/41	545'-6"	UDC
GE	IAV	12IAV69A1A	127-1-B24				12E-2343, R/AC	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	UNG
GE	IAV	12IAV69A1A	127-2-B24				12E-2343, R/AC	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	UNG
GE	PJC	12PJC11AV1A	151N		N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	UDC
			52/Y		N	NO/NC	12E-2436-2 R/Y	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	UND
GE	HEA		86	4	N	NO/NC	12E-2436-2 R/Y	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	HEA
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (8)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (8)	RB-N/41	545'-6"	UNG
GE	PJC	12PJC11AV1A	151N		N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (8)	RB-N/41	545'-6"	UDC
			52/Y		N	NO/NC	12E-2436-2 R/Y	4KV SWGR 24-1 (8)	RB-N/41	545'-6"	UND
GE	HEA		86	4	N	NO/NC	12E-2436-2 R/Y	4KV SWGR 24-1 (8)	RB-N/41	545'-6"	HEA
GE	IAV	12IAV69A1A	127-1-B33				12E-3342, R/ W	4KV SWGR 33 (12)	TB-D/55	538'-0"	UNG
GE	IAV	12IAV69A1A	127-2-B33				12E-3342, R/ W	4KV SWGR 33 (12)	TB-D/55	538'-0"	UNG
GE	HFA-1NC	12HFA51A42F	127-B33-X3		N	NO	12E-2351B-2, R/ AM	4KV SWGR 33 (12)	TB-D/55	538'-0"	HFA
GE	HFA-6NO	12HFA51A42F	127-B33X1		N	NO	12E-3342, R/ W	4KV SWGR 33 (12)	TB-D/55	538'-0"	HFA
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(B)		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A801A	151N/SI		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	HEA		86	4	N	NO/NC	12E-2345-4 R/B	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	HEA
GE	IAV	12IAV69A1A	127-1-B33-1		N	NO	12E-33345-2, R/ AK	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UNG
GE	IAV	12IAV69A1A	127-2-B33-1		N	NO	12E-33345-2, R/ AK	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UNG
GE	HFA-1NC	12HFA51A42F	127-B33-1X2	12	Y	NO	12E-3345-2, R/AK	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X2	12	N	NO	12E-3345-2, R/AK	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
HFA-3NC	GE	12HFA51A42F	127-B33-1X3		N	NO	12E-2351B-2, R/ AM	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127B33-1X1		N	NO	12E-33345-2, R/ AK	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-3345-1, R/AP	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-3345-1, R/AP	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (C)		N	NO	12E-3345-1, R/AP	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UNG
GE	HGA	12HGA11J52	2/3-6600-IR3		Y	NO	12E-3345-1, R/AP	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UDC
			52Y		Y	NO	12E-3345-1, R/AP	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UND
			52Y		N	NO	12E-3345-1, R/AP	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UND
			AR 152-3333		N	NO	12E-2345-2 R/AM	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UND
			AR152-3333		N	NO	12E-2345-2, R/AM	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UND
			ASR 2/3-3		Y	NO	12E-2351A-1, R/ AM	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UND

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA	12HFA51A42F	127B33-1X3		Y	NO	12E-2351B-2, R/ AM	4KV SWGR 33-1 (3)	RB-N/47	545'-6"	UDC
GE	HEA		186-3323		N	NC	12E-3345-1, R/AP	4KV SWGR 33-1 (3)	RB-N/47	545'-6"	HEA
GE	IAV	12IAV69A1A	159-1-SD2/3				12E-6630 R/G	4KV SWGR 40 (2)	DG 2/3	517'-6"	UNG
GE	IAV	12IAV69A1A	159-1-SD2/3				12E-6630, R/G	4KV SWGR 40 (2)	DG 2/3	517'-6"	UNG
GE	IAV	12IAV69A1A	159-2-SD2/3				12E-6630 R/G	4KV SWGR 40 (2)	DG 2/3	517'-6"	UNG
GE	IAV	12IAV69A1A	159-2-SD2/3				12E-6630, R/G	4KV SWGR 40 (2)	DG 2/3	517'-6"	UNG
GE	HFA-6NO	12HFA51A42F	159-SD2/3X		Y	NO	12E-2345-1 R/AT	4KV SWGR 40 (2)	DG 2/3	517'-6"	HFA
GE	HFA-6NO	12HFA51A42F	159-SD2/3X		N	NO	12E-2345-1 R/AT	4KV SWGR 40 (2)	DG 2/3	517'-6"	HFA
GE	HFA-6NO	12HFA51A42F	159-SD2/3X		Y	NO	12E-3345-1, R/AP	4KV SWGR 40 (2)	DG 2/3	517'-6"	HFA
GE	HFA-6NO	12HFA51A42F	159-SD2/3X		N	NO	12E-3345-1, R/AP	4KV SWGR 40 (2)	DG 2/3	517'-6"	HFA
GE	HFA-6NO	12HFA51A42F	159-SD2/3XD		N	NO	12E-2345-1 R/AT	4KV SWGR 40 (2)	DG 2/3	517'-6"	HFA
GE	HEA	12HEA61B235	186-DG2/3		N	NC	12E-2345-1 R/AT	4KV SWGR 40 (3)	DG 2/3	517'-6"	HEA
GE	HEA	12HEA61B235	186-DG2/3		N	NC	12E-3345-1, R/AP	4KV SWGR 40 (3)	DG 2/3	517'-6"	HEA
GE	HEA	12HEA61B235	186-DG2/3		N	NC	12E-2351A-1, R/ AM	4KV SWGR 40 (3)	DG 2/3	517'-6"	HEA
WESTING	SA-1	1329D62A01D	187-DG2/3				12E-6630 R/G	4KV SWGR 40 (3)	DG 2/3	517'-6"	UNG
WESTING	SA-1	1329D62A01D	187-DG2/3				12E-6630, R/G	4KV SWGR 40 (3)	DG 2/3	517'-6"	UNG
WESTING	SA-1	1329D62A01D	187DG2/3				12E-2351A-1, R/ AM	4KV SWGR 40 (3)	DG 2/3	517'-6"	UNG
GE		CR305D0	590-109A		N	NC/NO	12E-2467-3 R/AE	902-15	MCR	534'-0"	CON
GE		CR305D0	590-109A		N	NO	12E-2467-2 R/AC	902-15	MCR	534'-0"	CON
GE		CR305D0	590-109A	14	N	NO	12E-2467-2 R/AC	902-15	MCR	534'-0"	CON
GE		CR305D0	590-109C		N	NC/NO	12E-2467-3 R/AE	902-15	MCR	534'-0"	CON
GE		CR305D0	590-109C	14	N	NO	12E-2467-2 R/AC	902-15	MCR	534'-0"	CON
GE	HFA-6NO	12HFA151A9F	590-114A		N	NO	12E-2465-2 R/AD	902-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114A		N	NO	12E-2465-2 R/AD	902-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114A	14	N	NO	12E-2465-2 R/AD	902-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114C		N	NO	12E-2465-2 R/AD	902-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114C	14	N	NO	12E-2465-2 R/AD	902-15	MCR	534'-0"	HFA
GE		CR305D0	590-109B		N	NC/NO	12E-2467-3 R/AE	902-17	MCR	534'-0"	CON
GE		CR305D0	590-109B		N	NO	12E-2467-2 R/AC	902-17	MCR	534'-0"	CON
GE		CR305D0	590-109B	14	N	NO	12E-2467-2 R/AC	902-17	MCR	534'-0"	CON
GE		CR305D0	590-109D		N	NC/NO	12E-2467-3 R/AE	902-17	MCR	534'-0"	CON
GE		CR305D0	590-109D	14	N	NO	12E-2467-2 R/AC	902-17	MCR	534'-0"	CON
GE	HFA-6NO	12HFA151A9F	590-114B		N	NO	12E-2466-2 R/AD	902-17	MCR	534'-0"	HFA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A9F	590-114B		N	NO	12E-2466-2 R/AD	902-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114B	14	N	NO	12E-2466-2 R/AD	902-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114D		N	NO	12E-2466-2 R/AD	902-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114D	14	N	NO	12E-2466-2 R/AD	902-17	MCR	534'-0"	HFA
GE	CR120	CR120KX3A	281-103	14	Y	NC	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-109	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-110	14	N	NC	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-111	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-111	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-111	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-111	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-112	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-112	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-112	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-112	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-114	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-114	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-115	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-115	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-116	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-116	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-118	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-2414 R/Z	902-28	MCR	517'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	HFA-1NC	12HFA151A2H	1430-102A		N	NO	12E-2430-1 R/BD	902-32	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	1430-103A		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1430-103A		N	NO	12E-2430-2, R/ BD	902-32	AEER	517'-6"	HGA
GE	HFA-6NO	12HFA151A2H	1430-104A				12E-2430-1 R/BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A		N	NO	12E-2430-2 R/BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A		N	NO	12E-2430-2, R/ BD	902-32	AEER	517'-6"	HFA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105A		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105A		N	NO	12E-2430-2, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A		N	NO	12E-2430-2, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107A		N	NO	12E-2430-1 R/BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107A		N	NO	12E-2430-1 R/BD	902-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A	12	N	NO	12E-2345-1 R/AT	902-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A		N	NO	12E-2351B-2, R/ AM	902-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-112A		N	NO	12E-2345-3, R/ AK	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1430-114A		N	NO	12E-2429-1 R/AB	902-32	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	1430-127A		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HGA
AGASTAT	TDR 5-15	ETR14D3BC750	1430-130A-1		N	NO	12E-2430-1 R/BD	902-32	AEER	517'-6"	AGA2
AGASTAT			1430-131A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	AGA2
AGASTAT			1430-131A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	AGA2
GE	HFA-6NO	12HFA151A2H	1530-101		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		Y	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		Y	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	CR2820	CR2820B411AA4	1530-105		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	2820
GE	HFA-1NC	12HFA151A2H	1530-106		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-106		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-108		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-108		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	1530-109				12E-2430-1 R/BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2430-1 R/BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2438-1 R/AS	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2438-1 R/AS	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-112		N	NO	12E-2436-1 R/AA	902-32	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	1530-116		N	NO	12E-2436-1 R/AA	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-120		Y	NC	12E-2440-2 R/AC	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		Y	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		Y	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-129	6B	Y	NC	12E-2440-1 R/AC	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-2437A R/Z	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150				12E-2437A R/Z	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-2438-1 R/AS	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-2438-1 R/AS	902-32	AEER	517'-6"	HFA
GE	HFA-5NC	12HFA151A2H	1530-157		N	NC	12E-2437A R/Z	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-2461A R/E	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-2462A R/C	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-2462-2 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-2461A R/E	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-2462A R/C	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-2462-2 R/AW	902-32	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-114A		Y	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-114A		N	NC	12E-2461-1 R/AW	902-32	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-114B		Y	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-114B		N	NC	12E-2461-1 R/AW	902-32	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-114C		Y	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-114C		N	NC	12E-2462-1 R/AW	902-32	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-114D		Y	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-114D		N	NC	12E-2462-1 R/AW	902-32	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-114E		Y	NO	12E-2462-2 R/AW	902-32	AEER	517'-6"	HGA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HGA	12HGA11J52G	287-114E		N	NC	12E-2462-2 R/AW	902-32	AEER	517'-6"	ULR
AGASTAT	TDR 1-30	ETR14D3N002	287-124A	3	N	NO	12E-2430-1 R/BD	902-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3N002	287-124A		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3N002	287-124A		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3N002	287-124B		N	NO	12E-2438-1 R/AS	902-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3N002	287-124B		N	NO	12E-2438-1 R/AS	902-32	AEER	517'-6"	AGA2
GE	HFA-1NC	12HFA151A2H	1430-102B		N	NO	12E-2430-2 R/BD	902-33	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	1430-103B		N	NO	12E-2430-1, R/ BD	902-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1430-103B		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HGA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-2430-1 R/BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-2430-2 R/BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105B		N	NO	12E-2430-1, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105B		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-2462-1 R/AW	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B		N	NO	12E-2430-1, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107B		N	NO	12E-2430-1 R/BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107B		N	NO	12E-2430-1 R/BD	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1430-108B		N	NO	12E-2350B-2, R/ AD	902-33	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-112B		N	NO	12E-2346-3, R/ AJ	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1430-114B		N	NO	12E-2429-2 R/AB	902-33	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	1430-127B		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HGA
AGASTAT	TDR 5-15	ETR14D3BC750	1430-130B-1		N	NO	12E-2430-2 R/BD	902-33	AEER	517'-6"	AGA2
AGASTAT	GP	EGPD002	1430-131B		N	NO	12E-2462-1 R/AW	902-33	AEER	517'-6"	AGA2
AGASTAT	GP	EGPD002	1430-131B		N	NO	12E-2462-1 R/AW	902-33	AEER	517'-6"	AGA2
			1530-201		Y	NC	12E-2662E R/B	902-33	AEER	517'-6"	UND
			1530-201		N	NC	12E-2662E R/B	902-33	AEER	517'-6"	UND
			1530-201		Y	NC	12E-2662E R/B	902-33	AEER	517'-6"	UND
			1530-201		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	UND
			1530-202		Y	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	UND
			1530-202		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	UND
			1530-202		Y	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	UND

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			1530-202		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	UND
GE	CR2820	CR2820B	1530-205		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	2820
GE	HFA-1NC	12HFA151A2H	1530-206		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-206		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-208		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-208		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2430-2 R/BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2430-2 R/BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2437-1 R/AN	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2437-1 R/AN	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-212		N	NO	12E-2436-2 R/Y	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-216		N	NO	12E-2436-2 R/Y	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-220		Y	NC	12E-2440-2 R/AC	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		Y	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		Y	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-229	6B	Y	NC	12E-2440-1 R/AC	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-2437A R/Z	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-2437A R/Z	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-2437-1 R/AN	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-2437-1 R/AN	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-5NC	12HFA151A2H	1530-257		N	NC	12E-2438A R/AB	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101A		N	NO	12E-2527 R/BA	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	2330-101A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-2527 R/BA	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-2527 R/BA	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-125A		N	NO	12E-2529-2 R/AJ	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-125A		N	NO	12E-2529-4 R/AK	902-33	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	287-109BB				12E-2461-1 R/AW	902-33	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-109BB				12E-2461-1 R/AW	902-33	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-109BB				12E-2461-1 R/AW	902-33	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-109BB				12E-2461-1 R/AW	902-33	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-109BB				12E-2461-1 R/AW	902-33	AEER	517'-6"	ULR
AGASTAT	TDR 1-30	ETR14D3N002	287-124B	3	N	NO	12E-2430-2 R/BD	902-33	AEER	517'-6"	AGA2
			ER		N	NO	12E-2350A-1, R/ AH	902-33	AEER	517'-6"	UND
			ER		Y	NO	12E-2350A-1, R/ AH	902-33	AEER	517'-6"	UND
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-103		N	NO	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-106		N	NO	12E-2530 R/AA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-107		N	NO	12E-2530 R/AA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-108		N	NO	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	2330-111		N	NO	12E-2529-1 R/AH	902-39	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	2330-119		N	NO	12E-2529-1 R/AH	902-39	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HGA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NC	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NO	12E-2529-2 R/AJ	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NO	12E-2529-4 R/AK	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NC	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	2330-137		N	NO	12E-2532 R/AB	902-39	AEER	517'-6"	HGA
GE	HFA-3NC	12HFA151A2H	2330-150		Y	NC	12E-2530 R/AA	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-150		Y	NC	12E-2530 R/AA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-151		N	NO	12E-2530 R/AA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-151		N	NO	12E-2530 R/AA	902-39	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	1020-101A/A		N	NO	12E-2516 R/K	902-4	MCR	534'-0"	HGA
GE	HGA	12HGA11J52G	1020-101B/A		N	NO	12E-2516 R/K	902-4	MCR	534'-0"	HGA
GE	HGA	12HGA11J52G	1020-101C/A		N	NO	12E-2516 R/K	902-4	MCR	534'-0"	HGA
GE	HGA	12HGA11J52G	1530-174		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-174		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-175		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-175		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HFA-2NC	12HFA151A2H	1530-177	8	N	NO	12E-2420A R/W	902-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-178		Y	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	1530-180		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-180		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-181		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-181		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	CR2820	CR2820B	1530-182		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	2820
GE	CR2820	CR2820B	1530-182		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	2820
GE	HGA	12HGA11J52	1530-184		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HFA-2NC	12HFA151A2H	1530-185		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HFA
GE	CR2820	CR2820B	1530-187		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	2820
GE	CR2820	CR2820B	1530-187		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	2820
GE	HGA	12HGA11J52	1530-188		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HGA	12HGA11J52	1530-188		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HFA-6NO	12HFA151A2H	1530-190		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-190		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-192		N	NO	12E-2441-4 R/AA	902-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-193		N	NO	12E-2441A R/Z	902-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-194		N	NO	12E-2441-3 R/Z	902-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-194		N	NO	12E-2441-4 R/AA	902-46	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-195		N	NO	12E-2441A R/Z	902-46	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	1530-197		N	NO/NC	12E-2438A R/AB	902-46	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	1530-274		N	NO	12E-2437A R/Z	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-274		N	NO	12E-2437A R/Z	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-275		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-275		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HGA
GE	HFA-2NC	12HFA151A2H	1530-277X	8	N	NO	12E-2420A R/W	902-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-278		Y	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	1530-280		N	NO	12E-2437A R/Z	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-280		N	NO	12E-2437A R/Z	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-281		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-281		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HGA
GE	TDR	CR2820B	1530-282		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-282		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	2820
GE	HGA	12HGA11J52	1530-284		N	NO	12E-2437A R/Z	902-47	AEER	517'-6"	HGA
GE	HFA	12HFA151A2H	1530-285		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HFA
GE	TDR	CR2820B	1530-287		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-287		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	2820
GE	HGA	12HGA11J52G	1530-288		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-288		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HGA
GE	HFA-6NO	12HFA151A2H	1530-290		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-290		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-292		N	NO	12E-2441-4 R/AA	902-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-293		N	NO	12E-2441A R/Z	902-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-294		N	NO	12E-2441-3 R/Z	902-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-294		N	NO	12E-2441-4 R/AA	902-47	AEER	517'-6"	HFA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-2NC	12HFA151A2H	1530-295		N	NO	12E-2441A R/Z	902-47	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	1530-297		N	NO/NC	12E-2437A R/Z	902-47	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	1430-103A		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HGA
GE	HFA-6NO	12HFA151A2H	1430-104A		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105A		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A	12			12E-3345-1, R/AP	903-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A	12	N	NO	12E-2351B-3, R/ AC	903-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A	12	N	NO	12E-2351B-3, R/ AC	903-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A	12	N	NO	12E-2351B-3, R/ AM	903-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A	12	N	NO	12E-2351B-3, R/ AM	903-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A		N	NO	12E-2351B-2, R/ AM	903-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-112A		N	NO	12E-2345-2, R/ AK	903-32	AEER	517'-6"	HFA
GE	HGA	12HGA11J52G	1430-127A		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HGA
GE	HFA-6NO	12HFA151A2H	1530-108		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	TDR	CR2820B	1430-103B		N	NO	12E-3430-1, R/ AP	903-33	AEER	517'-6"	2820
GE	HFA-6NO	12HFA151A2H	1430-105B		N	NO	12E-3430-1, R/ AP	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B		N	NO	12E-3430-1, R/ AP	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-208		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HFA
			CR-2/3-5731		N	NO	12E-6811B, R/B	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-2375,, R/R	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-2375,, R/R	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-2375,, R/R	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-6811B, R/B	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-6811A, R/5	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-6811A, R/5	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-6811B, R/B	923-5	MCR	534'-0"	UND
			CR-2/3-5731		Y	NC	12E-6811B, R/B	923-5	MCR	534'-0"	UND
			DSH				12E-2389B, R/E	D00-83250-0---B05	TB-G/32	549'-0"	UND
			AFS-1				12E-6811B, R/B	D00-9400-0101-F10	TR B HVAC	534'-0"	UIE

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			CR3		Y	NO	12E-6811B, R/B	D00-9400-0101-F10	TR B HVAC	534'-0"	UIE
			TC-2/3-5741-033A				12E-6811A, R/5	D00-9400-0101-F10	TR B HVAC	534'-0"	UIE
			TC02				12E-6811B, R/B	D00-9400-0101-F10	TR B HVAC	534'-0"	UIE
SQUARE D	AMG4	CLASS 9013	PS-6				12E-2532 R/AB	D02-2301-EBOP	RB-N/44	476'-6"	UNG
			DSH				12E-2389D, R/E	D02-8300--2---B05	TB-E/31	549'-0"	UND
			DSH				12E-2389D, R/E	D02-8300--2A--B05	TB-E/31	549'-0"	UND
			DSH				12E-2389A, R/D	D02-83250-2---B05	TB-G/32	549'-0"	UND
			67UK1				12E-2389, R/U	D02-9802-2ANEG-B05	TB-E/31	549'-0"	UND
			67UK1				12E-2389, R/U	D02-9802-2APOS-B05	TB-E/31	549'-0"	UND
			67UK1				12E-2389, R/U	D02-9802-2BNEG-B05	TB-E/31	549'-0"	UND
			67UK1				12E-2389, R/U	D02-9802-2BPOS-B05	TB-E/31	549'-0"	UND
GE	HGA	12HGA11J98	127 FO		N	NO/NC	12E-2351B-1, R/ AF	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J98	127 FO		Y	NO/NC	12E-2351B-1, R/ AF	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J70	127-WP		Y	NO/NC	12E-2351B-1, R/ AF	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J70	127-WP		N	NO/NC	12E-2351B-1, R/ AF	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J70	127VF		N	NO/NC	12E-2351B-2, R/ AM	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J70	127VF		Y	NO/NC	12E-2351B-2, R/ AM	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J70	127VF		N	NO/NC	12E-2351B-2, R/ AM	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J70	127VF		Y	NO/NC	12E-2351B-2, R/ AM	DG2/3 AUX CONT PNL	DG2/3		HGA
SQUARE D		CLASS 7001	FSR		Y	NO	12E-2351A-1, R/ AM	DG2/3 EXCITATION CAB	DG2/3		UNG
MAGNETROL	LEVEL	291-S-13-512	LS-2-2351A				12E-2528 R/AS	LS-2-2351A	U2 HPCI		UNG
MAGNETROL	LEVEL	291-S-13-512	LS-2-2351A				12E-2528 R/AS	LS-2-2351A	U2 HPCI		UNG
MAGNETROL	LEVEL	219-S-13-512	LS-2-2351B				12E-2528 R/AS	LS-2-2351B	U2 HPCI		UNG
MAGNETROL	LEVEL	291-S-13-512	LS-2-2351B				12E-2528 R/AS	LS-2-2351B	U2 HPCI		UNG
			LS-2-LCS1				12E-2532 R/AB	LS-2-LCS1	U2 HPCI		UND
			LS-2-LCS2				12E-2528 R/AS	LS-2-LCS2	U2HPCI		UND
MAGNETROL	LVL. SW.	291	LS-2/3-2350A				12E-2528 R/AS	LS-2/3-2350A	TB-H/37	517'-6"	UNG
MAGNETROL	LVL. SW.	291	LS-2/3-2350A				12E-2528 R/AS	LS-2/3-2350A	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291-SP	LS-2/3-2350B				12E-2528 R/AS	LS-2/3-2350B	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291-SP	LS-2/3-2350B				12E-2528 R/AS	LS-2/3-2350B	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350C				12E-2528 R/AS	LS-2/3-2350C	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350C				12E-2528 R/AS	LS-2/3-2350C	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291-SP	LS-2/3-2350D				12E-2528 R/AS	LS-2/3-2350D	TB-H/37	517'-6"	UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
MAGNETROL	LEVEL	291-SP	LS-2/3-2350D				12E-2528 R/AS	LS-2/3-2350D	TB-H/37	517'-6"	UNG
GE	NEMA	CR106C0	M				12E-2351B-1, R/ AF	MCC 28-1 (F1)	RB-L/38	517'-6"	MCC
GE	HTR		OL	4			12E-2351B-1, R/ AF	MCC 28-1 (F1)	RB-L/38	517'-6"	MCC
GE	NEMA	CR106C0	M				12E-2393 R/X	MCC 28-1 (F3)	RB-L/38	517'-6"	MCC
GE		CR124C028	OL				12E-2393 R/X	MCC 28-1 (F3)	RB-L/38	517'-6"	MCC
GE		2810A	CR2		N	NO	12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	2810
GE		2810A	CR2		Y	NO	12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	2810
GE		2810A	CR2		N	NO	12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	2810
			M/A				12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	MCC
			M/A				12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	MCC
			OL				12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	MCC
			OL				12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	C				12E-2440-1 R/AC	MCC 28-1 (H3)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	O				12E-2440-1 R/AC	MCC 28-1 (H3)	RB-L/38	517'-6"	MCC
		CR124K028	OL	4			12E-2440-1 R/AC	MCC 28-1 (H3)	RB-L/38	517'-6"	MCC
			MC				12E-2440-1 R/AB	MCC 28-1 (K1)	RB-L/38	517'-6"	MCC
			MC				12E-2440-1 R/AB	MCC 28-1 (K2)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MO	6B			12E-2440-3 R/AC	MCC 28-1 (K3)	RB-L/38	517'-6"	MCC
			OL				12E-2440-3 R/AC	MCC 28-1 (K3)	RB-L/38	517'-6"	MCC
GE	NEMA	CR309D0**AAEA	MC				12E-2441-1 R/Y	MCC 28-1 (L1)	RB-L/38	517'-6"	MCC
GE	NEMA	CR309D0**AAEA	MO				12E-2441-1 R/Y	MCC 28-1 (L1)	RB-L/38	517'-6"	MCC
		CR124K028	OL	4			12E-2441-1 R/Y	MCC 28-1 (L1)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MC				12E-2441-2 R/Z	MCC 28-1 (L2)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MO				12E-2441-2 R/Z	MCC 28-1 (L2)	RB-L/38	517'-6"	MCC
		CR124K028	OL	4			12E-2441-2 R/Z	MCC 28-1 (L2)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MO				12E-2441-1 R/Y	MCC 28-1 (L3)	RB-L/38	517'-6"	MCC
			OL				12E-2441-1 R/Y	MCC 28-1 (L3)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MC				12E-2440-3 R/AC	MCC 28-1 (M3)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MO				12E-2440-3 R/AC	MCC 28-1 (M3)	RB-L/38	517'-6"	MCC
		CR124K028	OL				12E-2440-3 R/AC	MCC 28-1 (M3)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MC				12E-2440-2 R/AC	MCC 28-1 (N1)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MO				12E-2440-2 R/AC	MCC 28-1 (N1)	RB-L/38	517'-6"	MCC
		CR124K028	OL				12E-2440-2 R/AC	MCC 28-1 (N1)	RB-L/38	517'-6"	MCC

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	NEMA	CR109C0	MC				12E-2440-2 R/AC	MCC 28-1 (N2)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MO				12E-2440-2 R/AC	MCC 28-1 (N2)	RB-L/38	517'-6"	MCC
		CR124K028	OL	4			12E-2440-2 R/AC	MCC 28-1 (N2)	RB-L/38	517'-6"	MCC
GE	NEMA	CR106C000BWA	M				12E-2675A R/AH	MCC 28-2 (B2)	TB-G/36	538'-0"	MCC
GE		C526A	OL	4			12E-2675A R/AH	MCC 28-2 (B2)	TB-G/36	538'-0"	MCC
GE		CR106C000BWA	M				12E-2675C R/AA	MCC 28-2 (E2)	TB-G/36	538'-0"	MCC
GE		CR124C028	OL	4			12E-2675C R/AA	MCC 28-2 (E2)	TB-G/36	538'-0"	MCC
GE	NEMA	CR106C000BWA	M				12E-2675C R/AA	MCC 28-2 (F1)	TB-G/36	538'-0"	MCC
GE		CR124C028	OL	4			12E-2675C R/AA	MCC 28-2 (F1)	TB-G/36	538'-0"	MCC
GE	NEMA	CR106C000BWA	M				12E-2675C R/AA	MCC 28-2 (F3)	TB-G/36	538'-0"	MCC
GE		C526A	OL	4			12E-2675C R/AA	MCC 28-2 (F3)	TB-G/36	538'-0"	MCC
GE	CR28	CR2810A 17AA	CR / NORMAL		N	NO/NC	12E-2351B-1, R/ AF	MCC 28-3 (D1)	TB-G/36	538'-0"	2810
GE	CR28	CR2810A 17AA	CR / NORMAL		Y	NO	12E-2351B-1, R/ AF	MCC 28-3 (D1)	TB-G/36	538'-0"	2810
GE	NEMA	CR206F0	M				12E-2676B, R/ AA	MCC 28-3 (D1)	TB-G/36	538'-0"	MCC
			OL				12E-2351B-1, R/ AF	MCC 28-3 (D1)	TB-G/36	538'-0"	MCC
GE	NEMA	CR309D0** AAEA	MC				12E-2441-4 R/AA	MCC 28-7 (B3)	RB-N/40	517'-6"	MCC
GE	NEMA	CR309D0** AAEA	MO				12E-2441-4 R/AA	MCC 28-7 (B3)	RB-N/40	517'-6"	MCC
		CR124L028	OL	4			12E-2441-4 R/AA	MCC 28-7 (B3)	RB-N/40	517'-6"	MCC
			MC				12E-2420A R/W	MCC 28-7 (B4)	RB-N/40	517'-6"	MCC
			MO				12E-2420A R/W	MCC 28-7 (B4)	RB-N/40	517'-6"	MCC
			OL	4			12E-2420A R/W	MCC 28-7 (B4)	RB-N/40	517'-6"	MCC
GE	NEMA	CR309D0**AAEA	MC				12E-2420A R/W	MCC 28-7 (C2)	RB-N/40	517'-6"	MCC
GE	NEMA	CR309D0**AAEA	MO				12E-2420A R/W	MCC 28-7 (C2)	RB-N/40	517'-6"	MCC
		CR124L028	OL	4			12E-2420A R/W	MCC 28-7 (C2)	RB-N/40	517'-6"	MCC
			MO				12E-2420A R/W	MCC 28-7 (C3)	RB-N/40	517'-6"	MCC
GE	NEMA	CR106F0	MC				12E-2441-1 R/Y	MCC 28-7 (D2)	RB-N/40	517'-6"	MCC
GE	NEMA	CR106E0	MC				12E-2441-2 R/Z	MCC 29-1 (B2)	RB-L/44	517'-6"	MCC
GE	NEMA	CR106E0	MO				12E-2441-2 R/Z	MCC 29-1 (B2)	RB-L/44	517'-6"	MCC
		CR124F028	OL	4			12E-2441-2 R/Z	MCC 29-1 (B2)	RB-L/44	517'-6"	MCC
GE	NEMA	CR109C0	C				12E-2529-2 R/AJ	MCC 29-1 (D1)	RB-L/44	517'-6"	MCC
GE	NEMA	CR109C0	O				12E-2529-2 R/AJ	MCC 29-1 (D1)	RB-L/44	517'-6"	MCC
GE	NEMA	CR109C0	MO	6B			12E-2440-3 R/AC	MCC 29-1 (D4)	RB-L/44	517'-6"	MCC
			OL				12E-2440-3 R/AC	MCC 29-1 (D4)	RB-L/44	517'-6"	MCC

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	RLY	D1002	CR		N	NO	12E-2350B-1, R/Z	MCC 29-2 (A2)	TB-D/32	517'-6"	MCC
GE	NEMA	CR206F0	M				12E-2678A, R/K	MCC 29-2 (A2)	TB-D/32	517'-6"	MCC
			OL				12E-2350B-1, R/Z	MCC 29-2 (A2)	TB-D/32	517'-6"	MCC
GE	NEMA	CR106C0	M				12E-2350B-1, R/Z	MCC 29-2 (B2)	TB-D/32	517'-6"	MCC
GE		CR124C028	OL	4			12E-2350B-1, R/Z	MCC 29-2 (B2)	TB-D/32	517'-6"	MCC
GE	NEMA	CR106C000BWA	M				12E-2678C R/F	MCC 29-2 (D1)	TB-D/32	517'-6"	MCC
GE		CR124C028	OL	4			12E-2678C R/F	MCC 29-2 (D1)	TB-D/32	517'-6"	MCC
GE		CR106C000BWA	M				12E-2678C R/F	MCC 29-2 (D2)	TB-D/32	517'-6"	MCC
GE		CR124C028	OL	4			12E-2678C R/F	MCC 29-2 (D2)	TB-D/32	517'-6"	MCC
GE	NEMA	CR106C000BWA	M				12E-2678C R/F	MCC 29-2 (D3)	TB-D/32	517'-6"	MCC
GE		CR124	OL	4			12E-2678C R/F	MCC 29-2 (D3)	TB-D/32	517'-6"	MCC
GE	NEMA	CR106C000BWA	M				12E-2678C R/F	MCC 29-2 (D4)	TB-D/32	517'-6"	MCC
GE		CR124C028	OL	4			12E-2678C R/F	MCC 29-2 (D4)	TB-D/32	517'-6"	MCC
GE	RLY	CR281A	CR		N	NO	12E-2350B-1, R/Z	MCC 29-2 (D5)	TB-D/32	517'-6"	MCC
GE	RLY	CR281A	CR		N	NO	12E-2350B-1, R/Z	MCC 29-2 (D5)	TB-D/32	517'-6"	MCC
GE	NEMA	CR106C0	M				12E-2350B-1, R/Z	MCC 29-2 (D5)	TB-D/32	517'-6"	MCC
GE	NEMA	CR106C0	M				12E-2350B-1, R/Z	MCC 29-2 (D5)	TB-D/32	517'-6"	MCC
			M/B		Y	NC	12E-2350B-1, R/Z	MCC 29-2 (D5)	TB-D/32	517'-6"	MCC
			MC				12E-2440-1 R/AB	MCC 29-4 (A3)	RB-M/44	517'-6"	MCC
			MC				12E-2440-1 R/AB	MCC 29-4 (A4)	RB-M/44	517'-6"	MCC
			MC				12E-2441-1 R/Y	MCC 29-4 (B1)	RB-M/44	517'-6"	MCC
			MO				12E-2441-1 R/Y	MCC 29-4 (B1)	RB-M/44	517'-6"	MCC
			OL	4			12E-2441-1 R/Y	MCC 29-4 (B1)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109CO	MO				12E-2441-1 R/Y	MCC 29-4 (B3)	RB-M/44	517'-6"	MCC
			OL				12E-2441-1 R/Y	MCC 29-4 (B3)	RB-M/44	517'-6"	MCC
GE	AUX	CR105X	C				12E-2440-1 R/AC	MCC 29-4 (C2)	RB-M/44	517'-6"	MCC
GE	AUX	CR105X	O				12E-2440-1 R/AC	MCC 29-4 (C2)	RB-M/44	517'-6"	MCC
GE		CR124K028	OL	4			12E-2440-1 R/AC	MCC 29-4 (C2)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109C0	MC				12E-2440-3 R/AC	MCC 29-4 (C3)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109C0	MO				12E-2440-3 R/AC	MCC 29-4 (C3)	RB-M/44	517'-6"	MCC
GE		CR124K028	OL	4			12E-2440-3 R/AC	MCC 29-4 (C3)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109CO	MC				12E-2440-2 R/AC	MCC 29-4 (C4)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109CO	MO				12E-2440-2 R/AC	MCC 29-4 (C4)	RB-M/44	517'-6"	MCC

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE		CR124K028	OL	4			12E-2440-2 R/AC	MCC 29-4 (C4)	RB-M/44	517'-6"	MCC
GE	NEMA	CR106D0	M				12E-2531 R/AG	MCC 29-4 (D2)	RB-M/44	517'-6"	MCC
			OL				12E-2531 R/AG	MCC 29-4 (D2)	RB-M/44	517'-6"	MCC
			M				12E-2393 R/X	MCC 29-4 (D3)	RB-M/44	517'-6"	MCC
GE		CR305X100B	OL				12E-2393 R/X	MCC 29-4 (D3)	RB-M/44	517'-6"	MCC
			M				12E-2393 R/X	MCC 29-4 (D4)	RB-M/44	517'-6"	MCC
GE		CR124C028	OL				12E-2393 R/X	MCC 29-4 (D4)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109CO	MC				12E-2440-2 R/AC	MCC 29-4 (E4)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109CO	MO				12E-2440-2 R/AC	MCC 29-4 (E4)	RB-M/44	517'-6"	MCC
GE		CR124K028	OL	4			12E-2440-2 R/AC	MCC 29-4 (E4)	RB-M/44	517'-6"	MCC
GE	NEMA	CR106F0	MC				12E-2441-1 R/Y	MCC 29-7 (A3)	RB-N/42	517'-6"	MCC
GE	NEMA	CR309D0**AAEA	MO				12E-2441A R/Z	MCC 29-7 (C3)	RB-N/42	517'-6"	MCC
			CR 2971		Y	NC	12E-2374 R/AB	MCC 29-7 (D1)	RB-N/42	517'-6"	UND
			CR 2971		N	NC	12E-2374 R/AB	MCC 29-7 (D1)	RB-N/42	517'-6"	UND
GE		CR2810A14AT	CR29		N	NO	12E-2662D R/Z	MCC 29-7 (D1)	RB-N/42	517'-6"	2810
GE		CR2810A14AT	CR29		N	NO	12E-2662D R/Z	MCC 29-7 (D1)	RB-N/42	517'-6"	2810
GE		CR306G0**AAN	M29		N	NO/NC	12E-2662D R/Z	MCC 29-7 (D1)	RB-N/42	517'-6"	MCC
GE		CR306G0**AAN	M29		N	NO	12E-2662D R/Z	MCC 29-7 (D1)	RB-N/42	517'-6"	MCC
AGASTAT		E7022AD002	TDOD		Y	NC	12E-2374 R/AB	MCC 29-7 (D1)	RB-N/42	517'-6"	AGA1
AGASTAT		E7022AD002	TDOD		N	NC	12E-2374 R/AB	MCC 29-7 (D1)	RB-N/42	517'-6"	AGA1
ITE ABB	27N	411T4375-L	27NA		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	ABB
ITE ABB	27N	411T4375-L	27NA		N	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	ABB
ITE ABB	27N	411T4375-L	27NA		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	ABB
ITE ABB	59N	411U4175-L	59N		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	ABB
ITE ABB	59N	411U4175-L	59N		N	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	ABB
ITE ABB	59N	411U4175-L	59N		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	ABB
ITE ABB	81	422C1276-L	81		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	UIE
ITE ABB	81	422C1276-L	81		N	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	UIE
ITE ABB	81	422C1276-L	81		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	UIE
AGASTAT	TDR	E7012PB002	CR29A		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	AGA1
AGASTAT	TDR	E7012PB002	CR29A		N	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	AGA1
AGASTAT	TDR	E7012PB002	CR29A		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	AGA1
GE	HFA-1NC	12HFA151A2H	CR29B		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	HFA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-1NC	12HFA151A2H	CR29B		N	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	CR29B		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	HFA
AGASTAT		E7022AD	TDOD		N	NC	12E-2374 R/AB	MCC 29-7 (D2)	RB-N/42	517'-6"	AGA1
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
			42/BFB				12E-6811B, R/B	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
			49	4			12E-6811B, R/B	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
			49	4			12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
			49	4			12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
WEST.	GCA 530	2050A1SG	42				12E-6811D, R/6	MCC 29-8 (D1)	TB-D/33	517'-6"	MCC
			42X				12E-6811D, R/6	MCC 29-8 (D1)	TB-D/33	517'-6"	MCC
WEST.		AABA-170	49				12E-6811D, R/6	MCC 29-8 (D1)	TB-D/33	517'-6"	MCC
			49X		Y	NO	12E-6811J, R/3	MCC 29-8 (D1)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49	4			12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			M				12E-3674B, R/ Y	MCC 38-1 (C2)	RB-L/44	517'-6"	MCC
			OL	4			12E-2351B-1, R/ AF	MCC 38-1 (C2)	RB-L/44	517'-6"	MCC
			CR3		N	NO	12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			CR3		Y	NO	12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			CR3		N	NO	12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			CR3		Y	NO	12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			M/A				12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			M/A				12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			OL				12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			OL				12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			CR / ALT		N	NO	12E-2351B-1, R/ AF	MCC 38-3 (C4)	TB-G/52	538'-0"	UND
			CR / ALT		Y	NO	12E-2351B-1, R/ AF	MCC 38-3 (C4)	TB-G/52	538'-0"	UND
			M				12E-3676B R/ AA	MCC 38-3 (C4)	TB-G/52	538'-0"	MCC
			OL				12E-2351B-1, R/ AF	MCC 38-3 (C4)	TB-G/52	538'-0"	MCC
SQUARE D	AMG4	CLASS 9013	PS-4				12E-2532 R/AB	PS-4	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370A				12E-2527 R/BA	TS-2-2370A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370A				12E-2527 R/BA	TS-2-2370A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370A				12E-2527 R/BA	TS-2-2370A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370A				12E-2527 R/BA	TS-2-2370A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370A				12E-2527 R/BA	TS-2-2370A	U2 HPCI		UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
UNITED	TEMP.SW.	F100-7BS	TS-2-2370A				12E-2527 R/BA	TS-2-2370A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370B				12E-2527 R/BA	TS-2-2370B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370B				12E-2527 R/BA	TS-2-2370B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370B				12E-2527 R/BA	TS-2-2370B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370B				12E-2527 R/BA	TS-2-2370B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370B				12E-2527 R/BA	TS-2-2370B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370B				12E-2527 R/BA	TS-2-2370B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370C				12E-2527 R/BA	TS-2-2370C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370C				12E-2527 R/BA	TS-2-2370C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370C				12E-2527 R/BA	TS-2-2370C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370C				12E-2527 R/BA	TS-2-2370C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370C				12E-2527 R/BA	TS-2-2370C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370C				12E-2527 R/BA	TS-2-2370C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370D				12E-2527 R/BA	TS-2-2370D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370D				12E-2527 R/BA	TS-2-2370D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370D				12E-2527 R/BA	TS-2-2370D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370D				12E-2527 R/BA	TS-2-2370D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370D				12E-2527 R/BA	TS-2-2370D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370D				12E-2527 R/BA	TS-2-2370D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371A				12E-2527 R/BA	TS-2-2371A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371A				12E-2527 R/BA	TS-2-2371A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371A				12E-2527 R/BA	TS-2-2371A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371A				12E-2527 R/BA	TS-2-2371A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371A				12E-2527 R/BA	TS-2-2371A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371A				12E-2527 R/BA	TS-2-2371A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371B				12E-2527 R/BA	TS-2-2371B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371B				12E-2527 R/BA	TS-2-2371B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371B				12E-2527 R/BA	TS-2-2371B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371B				12E-2527 R/BA	TS-2-2371B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371B				12E-2527 R/BA	TS-2-2371B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371B				12E-2527 R/BA	TS-2-2371B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371C				12E-2527 R/BA	TS-2-2371C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371C				12E-2527 R/BA	TS-2-2371C	U2 HPCI		UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
UNITED	TEMP.SW.	F100-7BS	TS-2-2371C				12E-2527 R/BA	TS-2-2371C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371C				12E-2527 R/BA	TS-2-2371C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371C				12E-2527 R/BA	TS-2-2371C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371C				12E-2527 R/BA	TS-2-2371C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371D				12E-2527 R/BA	TS-2-2371D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371D				12E-2527 R/BA	TS-2-2371D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371D				12E-2527 R/BA	TS-2-2371D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371D				12E-2527 R/BA	TS-2-2371D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371D				12E-2527 R/BA	TS-2-2371D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371D				12E-2527 R/BA	TS-2-2371D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372A				12E-2527 R/BA	TS-2-2372A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372A				12E-2527 R/BA	TS-2-2372A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372A				12E-2527 R/BA	TS-2-2372A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372A				12E-2527 R/BA	TS-2-2372A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372A				12E-2527 R/BA	TS-2-2372A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372A				12E-2527 R/BA	TS-2-2372A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372B				12E-2527 R/BA	TS-2-2372B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372B				12E-2527 R/BA	TS-2-2372B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372B				12E-2527 R/BA	TS-2-2372B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372B				12E-2527 R/BA	TS-2-2372B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372B				12E-2527 R/BA	TS-2-2372B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372B				12E-2527 R/BA	TS-2-2372B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372C				12E-2527 R/BA	TS-2-2372C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372C				12E-2527 R/BA	TS-2-2372C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372C				12E-2527 R/BA	TS-2-2372C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372C				12E-2527 R/BA	TS-2-2372C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372C				12E-2527 R/BA	TS-2-2372C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372C				12E-2527 R/BA	TS-2-2372C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372D				12E-2527 R/BA	TS-2-2372D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372D				12E-2527 R/BA	TS-2-2372D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372D				12E-2527 R/BA	TS-2-2372D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372D				12E-2527 R/BA	TS-2-2372D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372D				12E-2527 R/BA	TS-2-2372D	U2 HPCI		UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
UNITED	TEMP.SW.	F100-7BS	TS-2-2372D				12E-2527 R/BA	TS-2-2372D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373A				12E-2527 R/BA	TS-2-2373A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373A				12E-2527 R/BA	TS-2-2373A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373A				12E-2527 R/BA	TS-2-2373A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373A				12E-2527 R/BA	TS-2-2373A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373A				12E-2527 R/BA	TS-2-2373A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373A				12E-2527 R/BA	TS-2-2373A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373B				12E-2527 R/BA	TS-2-2373B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373B				12E-2527 R/BA	TS-2-2373B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373B				12E-2527 R/BA	TS-2-2373B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373B				12E-2527 R/BA	TS-2-2373B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373B				12E-2527 R/BA	TS-2-2373B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373B				12E-2527 R/BA	TS-2-2373B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373C				12E-2527 R/BA	TS-2-2373C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373C				12E-2527 R/BA	TS-2-2373C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373C				12E-2527 R/BA	TS-2-2373C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373C				12E-2527 R/BA	TS-2-2373C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373C				12E-2527 R/BA	TS-2-2373C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373C				12E-2527 R/BA	TS-2-2373C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373D				12E-2527 R/BA	TS-2-2373D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373D				12E-2527 R/BA	TS-2-2373D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373D				12E-2527 R/BA	TS-2-2373D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373D				12E-2527 R/BA	TS-2-2373D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373D				12E-2527 R/BA	TS-2-2373D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373D				12E-2527 R/BA	TS-2-2373D	U2 HPCI		UNG

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE		CR2810A14AT22	CR39		N	NO	12E-3662D R/AC	MCC 39-7 (C1)	RB-N/48	517'-6"	2810
GE		CR2810A14AT22	CR39		N	NO	12E-3662D R/AC	MCC 39-7 (C1)	RB-N/48	517'-6"	2810
GE	TDR	CR2820B	1530-105		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	2820
GE	TDR	CR2820B	1430-103B		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-205		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	2820
GE	TDR 1/5	CR2820B	1530-182		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	2820
GE	TDR 1/5	CR2820B	1530-182		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-187		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-187		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-282		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-282		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-287		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-287		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	2820
ITE	27N-R	CAT.#410T4375-	127-3-B34-1				12E-3346-2, R/ AL	2253-84	RB-N/48	545'-6"	ABB
ITE	27N-R	CAT.#410T4375-	127-4-B34-1				12E-3346-2, R/ AL	2253-84	RB-N/48	545'-6"	ABB
ITE		411U4175-L	59N		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	ABB
ITE		411U4175-L	59N		N	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	ABB
ITE		411U4175-L	59N		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	ABB
ITE		411T4375-L	27NA		Y	NO	12E-3662E R/B	MCC 39-7 (B4)	RB-N/48	517'-6"	ABB
ITE		411T4375-L	27NA		N	NO	12E-3662E R/B	MCC 39-7 (B4)	RB-N/48	517'-6"	ABB
ITE		411T4375-L	27NA		Y	NO	12E-3662E R/B	MCC 39-7 (B4)	RB-N/48	517'-6"	ABB
AGASTAT	TDR	E7022PC002	287-120B		Y	NC	12E-3461A R/D	2203-32	RB-L/47	545'-6"	AGA1
AGASTAT	TDR	E7022PC002	287-120C		Y	NC	12E-3462A R/C	2203-32	RB-L/47	545'-6"	AGA1
AGASTAT	TDR	E7022PC002	287-121B		Y	NC	12E-3461A R/D	2203-32	RB-L/47	545'-6"	AGA1
AGASTAT	TDR	E7022PC002	287-121C		Y	NC	12E-3462A R/C	2203-32	RB-L/47	545'-6"	AGA1
AGASTAT		E7012PB	CR39A		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	AGA1
AGASTAT		E7012PB	CR39A		N	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	AGA1
AGASTAT		E7012PB	CR39A		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	AGA1
AGASTAT		E7022AD	TDOD		Y	NC	12E-3374 R/U	MCC 39-7 (C1)	RB-N/48	517'-6"	AGA1
AGASTAT		E7022AD	TDOD		N	NC	12E-3374 R/U	MCC 39-7 (C1)	RB-N/48	517'-6"	AGA1

SQUG RELAY SCREENING AND EVALUATION

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT		E7022AD	TDOD		N	NC	12E-3374 R/U	MCC 39-7 (C1)	RB-N/48	517'-6"	AGA1
AGASTAT	EGP	EGPD002	287-122B		Y	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	AGA2
AGASTAT	EGP	EGPD002	287-122C		Y	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	AGA2
AGASTAT	EGP	EGPD002	287-123B		Y	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	AGA2
AGASTAT	EGP	EGPD002	287-123C		Y	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103A		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103A		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103A		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1C		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1C		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1C		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2C		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2C		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2C		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103B		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103B		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103B		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1D		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1D		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1D		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2D		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2D		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2D		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	ETR	ETR-14D3B	27XTD-34-1	11	Y	NO	12E-3346-1, R/AL	2253-84	RB-N/48	545'-6"	AGA2
AGASTAT	EGPD		459X1-34-1		Y	NO	12E-3346-2, R/ AL	2253-84	RB-N/48	545'-6"	AGA2
AGASTAT	ETR	ETR14D3N	TDR / 34-1		N	NO	12E-3346-2, R/ AL	2253-84	RB-N/48	545'-6"	AGA2
AGASTAT	TDR 5-15	ETR14D3BC750	1430-130A-1		N	NO	12E-3430-1 R/AP	903-32	AEER	517'-6"	AGA2
AGASTAT	TDR 5-15	ETR14D3BC750	1430-130B-1		N	NO	12E-3430-2 R/AN	903-32	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	1430-131A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	1430-131A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	AGA2

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT	TDR 1-30	ETR14D3H002	287-124A	3	N	NO	12E-3430-1 R/AP	903-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3H002	287-124A		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3H002	287-124A		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3H002	287-124B	3	N	NO	12E-3430-2 R/AN	903-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3H002	287-124B		N	NO	12E-3438-1 R/AF	903-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3H002	287-124B		N	NO	12E-3438-1 R/AF	903-32	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	1430-131B		N	NO	12E-3462-2 R/AA	903-33	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	1430-131B		N	NO	12E-3462-2 R/AA	903-33	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPI002	202-60-139C		N	NO	12E-3420A R/T	903-46	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPI002	202-60-139G		N	NO	12E-3420A R/T	903-46	AEER	517'-6"	AGA2
GE	HEA		86	4	N	NO/NC	12E-3345-3 R/A	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	HEA
GE	HEA		86	4	N	NC	12E-3346-1 R/AK	4KV SWGR 24-1 (13)	RB-N/41	545'-6"	HEA
GE	HEA		86		N	NO	12E-3344-2 R/W	4KV SWGR 33 (10)	TB-D/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	HEA
GE	HEA		86		N	NO/NC	12E-3342 R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3344-1 R/V	4KV SWGR 33 (13)	TB-D/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3344-1 R/V	4KV SWGR 33 (3)	TB-D/55	538'-0"	HEA
GE	HEA		86	4	N	NO/NC	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	HEA
GE	HEA		86	4	N	NO/NC	12E-3436-2 R/P	4KV SWGR 33-1 (10)	RB-N/47	545'-6"	HEA
GE	HEA		86		N	NO	12E-3344-1 R/V	4KV SWGR 33-1 (2)	RB-N/47	545'-6"	HEA
GE	HEA		86		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (3)	RB-N/47	545'-6"	HEA
GE	HEA		86	4	N	NO/NC	12E-3436-1 R/P	4KV SWGR 33-1 (7)	RB-N/47	545'-6"	HEA
GE	HEA		86	4	N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (9)	RB-N/47	545'-6"	HEA
GE	HEA		86		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3344-3 R/T	4KV SWGR 34(1)	TB-E/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3343 R/X	4KV SWGR 34 (11)	TB-E/55	538'-0"	HEA
GE	HEA		86		N	NO/NC	12E-3344-3 R/T	4KV SWGR 34(11)	TB-E/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3344-4 R/U	4KV SWGR 34(3)	TB-E/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	HEA
GE	HEA		86	4	N	NO/NC	12E-3436-4 R/Q	4KV SWGR 34-1 (11)	RB-N/48	545'-6"	HEA

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HEA		186-3432		N	NC	12E-3346-2, R/AL	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	HEA
GE	HEA		86		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	HEA
GE	HEA		86		N	NO	12E-3344-3 R/T	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	HEA
GE	HEA		86	4	N	NO/NC	12E-3436-3 R/Q	4KV SWGR 34-1 (5)	RB-N/48	545'-6"	HEA
GE	HEA	12HEA61B235	186-DG3		N	NC	12E-3350A-1, R/ AC	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	HEA
GE	HEA	12HEA61B235	186-DG3		N	NC	12E-3346-1, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	HEA
GE	HFA-3NC	12HFA51A42H	287-108B		Y	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	HFA
GE	HFA-3NC	12HFA151A2H	287-108D		Y	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	HFA
GE	HFA-3NC	12HFA151A2H	287-108E		Y	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	HFA
GE	HFA-3NC	12HFA51A42H	181Y-DG3		Y	NO/NC	12E-3346-1, R/AL	2253-10	DG 3	517'-6"	HFA
GE	HFA-1NC	12HFA151A2F	127-B34-1X1	11	Y	NO	12E-3520 R/V	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	HFA
GE	HFA-1NC	12HFA151A2F	127B34-1X2	11	Y	NC	12E-3429-2 R/V	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	HFA
GE	HFA	12HFA151A2F	127-B34-1X2	11	Y	NO	12E-3516 R/F	4KV SWGR 34-1 (14)	RB-N/48	545'-6"	HFA
GE	HFA	12HFA151A2F	127-B34-1X2	11	Y	NO	12E-3516 R/F	4KV SWGR 34-1 (3)	RB-N/48	545'-6"	HFA
GE	HFA-6NO	12HFA151A9F	590-114A		N	NO	12E-3465-1 R/X	903-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114A		N	NO	12E-3465-1 R/X	903-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114A	14	N	NO	12E-3465-1 R/X	903-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114C		N	NO	12E-3465-1 R/X	903-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114C	14	N	NO	12E-3465-1 R/X	903-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114B		N	NO	12E-3466-1 R/Z	903-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114B		N	NO	12E-2466-1 R/Z	903-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114B	14	N	NO	12E-3466-1 R/Z	903-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114D		N	NO	12E-3466-1 R/Z	903-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114D	14	N	NO	12E-3466-1 R/Z	903-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A2H	1430-102A		N	NO	12E-3430-1 R/AP	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1430-102B		Y	NO	12E-3430-2 R/AN	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A				12E-3430-1 R/AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A		N	NO	12E-3430-2 R/AN	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A		N	NO	12E-3430-2, R/ AN	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105A		N	NO	12E-3430-2, R/ AN	903-32	AEER	517'-6"	HFA

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107A		N	NO	12E-3430-1 R/AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107A		N	NO	12E-3430-1 R/BD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1430-114A		N	NO	12E-3429-1 R/U	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		Y	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		Y	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-106		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	12HFA151	12HFA151A2H	1530-106		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-108		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109				12E-3430-1 R/AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3430-1 R/AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3438-1 R/AF	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3438-1 R/AF	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-112		N	NO	12E-3436-1 R/P	903-32	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	1530-116		N	NO	12E-3436-2 R/P	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-120		Y	NC	12E-3440-2 R/X	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		Y	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		Y	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-129	6B	Y	NC	12E-3440-1 R/Y	903-32	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-3437A R/S	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-3437A R/S	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-3438-1 R/AF	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-3438-1 R/AF	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-3462-2 R/AA	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-3462-2 R/AA	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-3462-2 R/AA	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-3462-2 R/AA	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-3462-1 R/AC	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B		N	NO	12E-3462-1 R/AC	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B		N	NO	12E-3462-1 R/AC	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B		N	NO	12E-3462-1 R/AC	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-3430-1 R/AP	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-3430-1 R/AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105B		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-3462-2 R/AA	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-3462-1 R/AA	903-33	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-3462-2 R/AA	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-3462-2 R/AA	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-3462-2 R/AA	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B		N	NO	12E-3430-2., R/ AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107B		N	NO	12E-3430-1 R/AP	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107B		N	NO	12E-3430-2 R/AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-108B		N	NO	12E-3350B, R/ AK	903-33	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-112B		N	NO	12E-3346-2, R/ AL	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1430-114B		N	NO	12E-3429-2 R/V	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-202		Y	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-202		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-202		Y	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-202		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-206		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-206		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-208		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3430-2 R/AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3430-2 R/AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3437-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3437-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-212		N	NO	12E-3436-3 R/Q	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-216		N	NO	12E-3436-4 R/Q	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-220		Y	NC	12E-3440-2 R/X	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		Y	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		Y	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-1NC	12HFA151A2H	1530-229	6B	Y	NC	12E-3440-1 R/Y	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-3437A R/S	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-3437A R/S	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-3437-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-3437-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101A		N	NO	12E-3527-1 R/AH	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101A		N	NO	12E-3527-1 R/AH	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-3527-1 R/AH	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-3527-1 R/AH	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-3527-1 R/AH	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-3527-1 R/AH	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-125A		N	NO	12E-3529 R/AE	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-125A		N	NO	12E-3529 R/AE	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-3527-1 R/AH	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-3527-1 R/AH	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-3527-1 R/AH	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-3527-1 R/AH	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-3527-1 R/AH	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-3527-1 R/AH	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-103		N	NO	12E-3527-3 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-106		N	NO	12E-3530 R/Q	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-107		N	NO	12E-3530 R/Q	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-108		N	NO	12E-3527-3 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	2330-111		N	NO	12E-3529 R/AE	903-39	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	2330-119		N	NO	12E-3529 R/AE	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NC	12E-3527-3 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NO	12E-3529 R/AE	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NO	12E-3529 R/AE	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NC	12E-3527-3 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-150		Y	NC	12E-3530 R/Q	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-150		Y	NC	12E-3530 R/Q	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-151		N	NO	12E-3530 R/Q	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-151		N	NO	12E-3530 R/Q	903-39	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-185		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-190		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-190		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-192		N	NO	12E-3441-4 R/T	903-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-193		N	NO	12E-3441A R/U	903-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-194		N	NO	12E-3441-3 R/S	903-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-194		N	NO	12E-3441-4 R/T	903-46	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-195		N	NO	12E-3441A R/U	903-46	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-285		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-290		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-290		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-292		N	NO	12E-3441-4 R/T	903-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-293		N	NO	12E-3441A R/U	903-47	AEER	517'-6"	HFA

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	1530-294		N	NO	12E-3441-3 R/S	903-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-294		N	NO	12E-3441-4 R/T	903-47	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-295		N	NO	12E-3441A R/U	903-47	AEER	517'-6"	HFA
GE		12HFA151A2H	CR39B		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	HFA
GE		12HFA151A2H	CR39B		N	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	HFA
GE	HFA	12HFA151A2H	CR39B		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	HFA
GE	HGA		287-114A		N	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	HGA
GE	HGA		287-114A		N	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	HGA
GE	HGA		287-114B		N	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	HGA
GE	HGA		287-114C		N	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	HGA
GE	HGA		287-114D		N	NO	12E-3462- 3 R/AB	2203-32	RB-L/47	545'-6"	HGA
GE	HGA		287-114E		N	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	HGA
GE	HGA	12HGA11J52G	1430-103A		N	NO	12E-3430-2, R/ AN	903-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-101		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1430-127B		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52	1530-201		Y	NC	12E-3662E R/B	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52	1530-201		Y	NC	12E-3662E R/B	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52	1530-201		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-3462-1 R/AC	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-3462-1 R/AC	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-3462-1 R/AA	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-3462-1 R/AC	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-3462-1 R/AC	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-137		N	NO	12E-3532 R/S	903-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-174		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-174		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HGA	12HGA11J52G	1530-175		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-175		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-180		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-180		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-181		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-181		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-184		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-188		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-188		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-274		N	NO	12E-3437A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-274		N	NO	12E-3437A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-275		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-275		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-280		N	NO	12E-3437A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-280		N	NO	12E-3437A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-281		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-281		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-284		N	NO	12E-3437A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-288		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-288		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HGA
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-2346-1 R/AH	4KV SWGR 24-1 (13)	RB-N/41	545'-6"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-2346-1 R/AH	4KV SWGR 24-1 (13)	RB-N/41	545'-6"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-2346-1 R/AH	4KV SWGR 24-1 (13)	RB-N/41	545'-6"	IJD
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	IJD

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	IJD
GE	IJD-53C	12IJD53C11A	87/SI(C)		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	IJD
BARKSDALE	PRESS.S	B2T-M12SS GE	263-52A				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS GE	263-52A				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS 1632C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS 1632C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628A				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628A				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628A				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628A				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628A				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628B				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628B				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628B				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628B				12E-3461-1 R/AC	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628B				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632A				12E-3437-1, R/ AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632C				12E-3437-1, R/ AD	2203-5	RB-M/47	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS GE	PS-263-52A				12E-3430-1 R/AP	2203-5	RB-M/47	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS GE	PS-263-52A				12E-3430-1 R/BD	2203-5	RB-M/47	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS GE	PS-263-52A				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS GE	PS-263-52A				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS GE	PS-263-52A				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
BARKSDALE	PRESS.S	B2T-M12SS GE	PS-263-52A				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629B				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629B				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629B				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629B				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629B				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-D				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-D				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-D				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-D				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5-N4-B1A	PS-1632B				12E-3438-1, R/ AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632D				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632D				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632D				12E-3438-1 , R/ F	2203-6	RB-K/49	545'-6"	IS
ITT BARTON	PRESS.IN	289A-6171	261-34C				12E-3437A R/S	2203-7	RB-K/45	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS-TC	263-111C				12E-3437A R/S	2203-7	RB-K/45	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS-TC	263-111C				12E-3437A R/S	2203-7	RB-K/45	517'-6"	IS
ITT BARTON	PRESS.IN	289A-7043	261-34D				12E-3438A R/S	2203-8	RB-K/49	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS -YC	263-111D				12E-3438A R/S	2203-8	RB-K/49	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS -YC	263-111D				12E-3438A R/S	2203-8	RB-K/49	517'-6"	IS
			OL	4			12E-3530 R/Q	250VDC MCC 3B (O02)	RB-N/47	570'-0"	MCC
			OL	4			12E-3530 R/Q	250VDC MCC 3B (P01)	RB-N/47	570'-0"	MCC
			OL	4			12E-3529 R/AE	250VDC MCC 3B (P02)	RB-N/47	570'-0"	MCC
			M				12E-3393 R/N	MCC 38-1 (C1)	RB-L/44	517'-6"	MCC
			OL				12E-3393 R/N	MCC 38-1 (C1)	RB-L/44	517'-6"	MCC

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			C				12E-3440-1 R/Y	MCC 38-1 (E3)	RB-L/44	517'-6"	MCC
			O				12E-3440-1 R/Y	MCC 38-1 (E3)	RB-L/44	517'-6"	MCC
			OL	4			12E-3440-1 R/Y	MCC 38-1 (E3)	RB-L/44	517'-6"	MCC
			MO	6B			12E-3440-3 R/W	MCC 38-1 (H3)	RB-L/44	517'-6"	MCC
			OL				12E-3440-3 R/W	MCC 38-1 (H3)	RB-L/44	517'-6"	MCC
			M				12E-3676B R/T	MCC 38-3 (D1)	TB-G/52	538'-0"	MCC
			OL	4			12E-3676B R/T	MCC 38-3 (D1)	TB-G/52	538'-0"	MCC
			M				12E-3676B R/T	MCC 38-3 (D2)	TB-G/52	538'-0"	MCC
			OL	4			12E-3676B R/T	MCC 38-3 (D2)	TB-G/52	538'-0"	MCC
			M				12E-3676B R/T	MCC 38-3 (D3)	TB-G/52	538'-0"	MCC
			OL	4			12E-3676B R/T	MCC 38-3 (D3)	TB-G/52	538'-0"	MCC
			M				12E-3676B R/T	MCC 38-3 (D4)	TB-G/52	538'-0"	MCC
			OL	4			12E-3676B R/T	MCC 38-3 (D4)	TB-G/52	538'-0"	MCC
			MC				12E-3440-1 R/Y	MCC 38-4 (A3)	RB-M/44	517'-6"	MCC
			MC				12E-3440-1 R/Y	MCC 38-4 (A4)	RB-M/44	517'-6"	MCC
			MC				12E-3441-1 R/Q	MCC 38-4 (B1)	RB-M/44	517'-6"	MCC
			MO				12E-3441-1 R/Q	MCC 38-4 (B1)	RB-M/44	517'-6"	MCC
			OL	4			12E-3441-1 R/Q	MCC 38-4 (B1)	RB-M/44	517'-6"	MCC
			MC				12E-3441-2 R/R	MCC 38-4 (B2)	RB-M/44	517'-6"	MCC
			MO				12E-3441-2 R/R	MCC 38-4 (B2)	RB-M/44	517'-6"	MCC
			OL	4			12E-3441-2 R/R	MCC 38-4 (B2)	RB-M/44	517'-6"	MCC
			MO				12E-3441-1 R/Q	MCC 38-4 (B3)	RB-M/44	517'-6"	MCC
			OL				12E-3441-1 R/Q	MCC 38-4 (B3)	RB-M/44	517'-6"	MCC
			MC				12E-3440-3 R/W	MCC 38-4 (C3)	RB-M/44	517'-6"	MCC
			MO				12E-3440-3 R/W	MCC 38-4 (C3)	RB-M/44	517'-6"	MCC
			OL	4			12E-3440-3 R/W	MCC 38-4 (C3)	RB-M/44	517'-6"	MCC
			MC				12E-3440-2 R/X	MCC 38-4 (E2)	RB-M/44	517'-6"	MCC
			MO				12E-3440-2 R/X	MCC 38-4 (E2)	RB-M/44	517'-6"	MCC
			OL				12E-3440-2 R/X	MCC 38-4 (E2)	RB-M/44	517'-6"	MCC
			MC				12E-3440-2 R/X	MCC 38-4 (E4)	RB-M/44	517'-6"	MCC

SQUG RELAY SCREENING AND EVALUATION

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			MO				12E-3440-2 R/X	MCC 38-4 (E4)	RB-M/44	517'-6"	MCC
			OL	4			12E-3440-2 R/X	MCC 38-4 (E4)	RB-M/44	517'-6"	MCC
			MC				12E-3441-4 R/T	MCC 38-7 (A2)	RB-N/46	517'-6"	MCC
			MO				12E-3441-4 R/T	MCC 38-7 (A2)	RB-N/46	517'-6"	MCC
	OL RLY	CR124L028	OL	4			12E-3441-4 R/T	MCC 38-7 (A2)	RB-N/46	517'-6"	MCC
			MC				12E-3420A R/T	MCC 38-7 (B2)	RB-N/46	517'-6"	MCC
			MO				12E-3420A R/T	MCC 38-7 (B2)	RB-N/46	517'-6"	MCC
			OL	4			12E-3420A R/T	MCC 38-7 (B2)	RB-N/46	517'-6"	MCC
			CR-R		N	NO	12E-3662B R/F	MCC 38-7 (C3)	RB-N/46	517'-6"	MCC
			MC				12E-3662B R/F	MCC 38-7 (C3)	RB-N/46	517'-6"	MCC
			M1				12E-3531 R/X	MCC 39-1 (A1)	RB-L/50	517'-6"	MCC
			OL				12E-3531 R/X	MCC 39-1 (A1)	RB-L/50	517'-6"	MCC
			M				12E-3393 R/N	MCC 39-1 (B1)	RB-L/50	517'-6"	MCC
			OL				12E-3393 R/N	MCC 39-1 (B1)	RB-L/50	517'-6"	MCC
			C				12E-3440-1 R/Y	MCC 39-1 (E2)	RB-L/50	517'-6"	MCC
			O				12E-3440-1 R/Y	MCC 39-1 (E2)	RB-L/50	517'-6"	MCC
			OL	4			12E-3440-1 R/Y	MCC 39-1 (E2)	RB-L/50	517'-6"	MCC
			M				12E-3393 R/N	MCC 39-1 (F1)	RB-L/50	517'-6"	MCC
			OL				12E-3393 R/N	MCC 39-1 (F1)	RB-L/50	517'-6"	MCC
			MC				12E-3440-1 R/Y	MCC 39-1 (K1)	RB-L/50	517'-6"	MCC
			MC				12E-3440-1 R/Y	MCC 39-1 (K2)	RB-L/50	517'-6"	MCC
			MO	6B			12E-3440-3 R/W	MCC 39-1 (K3)	RB-L/50	517'-6"	MCC
			OL				12E-3440-3 R/W	MCC 39-1 (K3)	RB-L/50	517'-6"	MCC
			MC				12E-3441-1 R/Q	MCC 39-1 (L1)	RB-L/50	517'-6"	MCC
			MO				12E-3441-1 R/Q	MCC 39-1 (L1)	RB-L/50	517'-6"	MCC
			OL	4			12E-3441-1 R/Q	MCC 39-1 (L1)	RB-L/50	517'-6"	MCC
			MC				12E-3441-2 R/R	MCC 39-1 (L2)	RB-L/50	517'-6"	MCC
			MO				12E-3441-2 R/R	MCC 39-1 (L2)	RB-L/50	517'-6"	MCC
			OL	4			12E-3441-2 R/R	MCC 39-1 (L2)	RB-L/50	517'-6"	MCC
			MO				12E-3441-1 R/Q	MCC 39-1 (L3)	RB-L/50	517'-6"	MCC

SQUG RELAY SCREENING AND EVALUATION

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			OL				12E-3441-1 R/Q	MCC 39-1 (L3)	RB-L/50	517'-6"	MCC
			MC				12E-3440-2 R/X	MCC 39-1 (N1)	RB-L/50	517'-6"	MCC
			MO				12E-3440-2 R/X	MCC 39-1 (N1)	RB-L/50	517'-6"	MCC
			OL	4			12E-3440-2 R/X	MCC 39-1 (N1)	RB-L/50	517'-6"	MCC
			MC				12E-3440-2 R/X	MCC 39-1 (N2)	RB-L/50	517'-6"	MCC
			MO				12E-3440-2 R/X	MCC 39-1 (N2)	RB-L/50	517'-6"	MCC
			OL	4			12E-3440-2 R/X	MCC 39-1 (N2)	RB-L/50	517'-6"	MCC
			MC				12E-3440-3 R/W	MCC 39-1 (P4)	RB-L/50	517'-6"	MCC
			MO				12E-3440-3 R/W	MCC 39-1 (P4)	RB-L/50	517'-6"	MCC
			OL	4			12E-3440-3 R/W	MCC 39-1 (P4)	RB-L/50	517'-6"	MCC
			C				12E-3529 R/AE	MCC 39-1 (P5)	RB-L/50	517'-6"	MCC
			O				12E-3529 R/AE	MCC 39-1 (P5)	RB-L/50	517'-6"	MCC
			M				12E-3678A R/U	MCC 39-2 (A3)	TB-G/45	534'-0"	MCC
			OL	4			12E-3678A R/U	MCC 39-2 (A3)	TB-G/45	534'-0"	MCC
			M				12E-3678A R/U	MCC 39-2 (B2)	TB-G/45	534'-0"	MCC
			OL	4			12E-3678A R/U	MCC 39-2 (B2)	TB-G/45	534'-0"	MCC
			CR		N	NO	12E-3350B, R/AK	MCC 39-2 (C2)	TB-G/45	534'-0"	MCC
			M				12E-3678A, R/Z	MCC 39-2 (C2)	TB-G/45	534'-0"	MCC
			OL				12E-3350B, R/AK	MCC 39-2 (C2)	TB-G/45	534'-0"	MCC
			M				12E-3678B R/Z	MCC 39-2 (D4)	TB-G/45	534'-0"	MCC
			OL	4			12E-3678B R/Z	MCC 39-2 (D4)	TB-G/45	534'-0"	MCC
			M				12E-3678B R/Z	MCC 39-2 (D5)	TB-G/45	534'-0"	MCC
			OL	4			12E-3678B R/Z	MCC 39-2 (D5)	TB-G/45	534'-0"	MCC
			M				12E-3350B, R/AK	MCC 39-2 (E1)	TB-G/45	534'-0"	MCC
			OL	4			12E-3350B, R/AK	MCC 39-2 (E1)	TB-G/45	534'-0"	MCC
			CR		N	NO	12E-3350B, R/AK	MCC 39-2 (E3)	TB-G/45	534'-0"	MCC
			CR		N	NO	12E-3350B, R/AK	MCC 39-2 (E3)	TB-G/45	534'-0"	MCC
			M				12E-3350B, R/AK	MCC 39-2 (E3)	TB-G/45	534'-0"	MCC
			M/A				12E-3350B, R/AK	MCC 39-2 (E3)	TB-G/45	534'-0"	MCC
			CR-R		N	NO	12E-3662C R/V	MCC 39-7 (A3)	RB-N/48	517'-6"	MCC

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			MC				12E-3662C R/V	MCC 39-7 (A3)	RB-N/48	517'-6"	MCC
			CR 3971		Y	NC	12E-3374 R/U	MCC 39-7 (C1)	RB-N/48	517'-6"	MCC
			CR 3971		N	NC	12E-3374 R/U	MCC 39-7 (C1)	RB-N/48	517'-6"	MCC
GE		CR306G004AAN	M39		N	NO/NC	12E-3374 R/U	MCC 39-7 (C1)	RB-N/48	517'-6"	MCC
GE		CR306G004AAN	M39		N	NO	12E-3662D R/AC	MCC 39-7 (C1)	RB-N/48	517'-6"	MCC
			MO				12E-3441A R/U	MCC 39-7 (C2)	RB-N/48	517'-6"	MCC
BARTON	FLOW	289	FS-2354				12E-3527-3 R/AD	2203-29	RB-N/46	496'-0"	UDC
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA	287-108A		Y	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA	287-108A		N	NC	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42H	287-108B		N	NC	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA	287-108C		Y	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA	287-108C		N	NC	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA151A2H	287-108D		N	NC	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA151A2H	287-108E		N	NC	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HGA		287-115A		Y	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	UDC
GE	HGA	12HGA11J52	287-115C		Y	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	UDC
GE	HGA		287-115D		Y	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HGA		287-115E		Y	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	TDR	E7022PC002	287-120B		N	NC	12E-3461A R/D	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	TDR	E7022PC002	287-120C		N	NC	12E-3461A R/C	2203-32	RB-L/47	545'-6"	UDC

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT	TDR	E7022PC002	287-121B		N	NC	12E-3461A R/D	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	TDR	E7022PC002	287-121C		N	NC	12E-3462A R/C	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	EGP	EGPD002	287-122B		N	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	EGP	EGPD002	287-122C		N	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	EGP	EGPD002	287-123B		N	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	EGP	EGPD002	287-123C		N	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42H	181Y-DG3		N	NO/NC	12E-3346-1, R/AL	2253-10	DG 3	517'-6"	UDC
			C				12E-3529 R/AE	250VDC MCC 3A (AA01)	RB-N/47	570'-0"	UDC
			M				12E-3529 R/AE	250VDC MCC 3A (AA01)	RB-N/47	570'-0"	UDC
			O				12E-3529 R/AE	250VDC MCC 3A (AA01)	RB-N/47	570'-0"	UDC
			OL				12E-3529 R/AE	250VDC MCC 3A (AA01)	RB-N/47	570'-0"	UDC
			C				12E-3529 R/AE	250VDC MCC 3A (AA02)	RB-N/47	570'-0"	UDC
			M				12E-3529 R/AE	250VDC MCC 3A (AA02)	RB-N/47	570'-0"	UDC
			O				12E-3529 R/AE	250VDC MCC 3A (AA02)	RB-N/47	570'-0"	UDC
			1A				12E-3532 R/S	250VDC MCC 3A (B01)	RB-N/47	570'-0"	UDC
			2A				12E-3532 R/S	250VDC MCC 3A (B01)	RB-N/47	570'-0"	UDC
			72/M2				12E-3532 R/S	250VDC MCC 3A (B01)	RB-N/47	570'-0"	UDC
			72/M1				12E-3532 R/S	250VDC MCC 3A (C01)	RB-N/47	570'-0"	UDC
			TA				12E-3532 R/S	250VDC MCC 3A (C01)	RB-N/47	570'-0"	UDC
			72/M9				12E-3532 R/S	250VDC MCC 3A (C02)	RB-N/47	570'-0"	UDC
			TA				12E-3532 R/S	250VDC MCC 3A (C02)	RB-N/47	570'-0"	UDC
			72/M1				12E-3532 R/S	250VDC MCC 3A (D02)	RB-N/47	570'-0"	UDC
			TA				12E-3532 R/S	250VDC MCC 3A (D02)	RB-N/47	570'-0"	UDC
			C				12E-3530 R/Q	250VDC MCC 3B (J01)	RB-N/47	570'-0"	UDC
			M				12E-3530 R/Q	250VDC MCC 3B (J01)	RB-N/47	570'-0"	UDC
			O				12E-3530 R/Q	250VDC MCC 3B (J01)	RB-N/47	570'-0"	UDC
			C				12E-3530 R/Q	250VDC MCC 3B (K01)	RB-N/47	570'-0"	UDC
			M				12E-3530 R/Q	250VDC MCC 3B (K01)	RB-N/47	570'-0"	UDC
			O				12E-3530 R/Q	250VDC MCC 3B (K01)	RB-N/47	570'-0"	UDC
			C		N	NO	12E-3529 R/AE	250VDC MCC 3B (K02)	RB-N/47	570'-0"	UDC

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			M				12E-3529 R/AE	250VDC MCC 3B (K02)	RB-N/47	570'-0"	UDC
			O				12E-3529 R/AE	250VDC MCC 3B (K02)	RB-N/47	570'-0"	UDC
			OL				12E-3529 R/AE	250VDC MCC 3B (K02)	RB-N/47	570'-0"	UDC
			C				12E-3529 R/AE	250VDC MCC 3B (L01)	RB-N/47	570'-0"	UDC
			M				12E-3529 R/AE	250VDC MCC 3B (L01)	RB-N/47	570'-0"	UDC
			O				12E-3529 R/AE	250VDC MCC 3B (L01)	RB-N/47	570'-0"	UDC
			C				12E-3530 R/Q	250VDC MCC 3B (L02)	RB-N/47	570'-0"	UDC
			M				12E-3530 R/Q	250VDC MCC 3B (L02)	RB-N/47	570'-0"	UDC
			O				12E-3530 R/Q	250VDC MCC 3B (L02)	RB-N/47	570'-0"	UDC
			OL				12E-3530 R/Q	250VDC MCC 3B (L02)	RB-N/47	570'-0"	UDC
			C				12E-3529 R/AE	250VDC MCC 3B (M02)	RB-N/47	570'-0"	UDC
			M				12E-3529 R/AE	250VDC MCC 3B (M02)	RB-N/47	570'-0"	UDC
			O				12E-3529 R/AE	250VDC MCC 3B (M02)	RB-N/47	570'-0"	UDC
			C				12E-3530 R/Q	250VDC MCC 3B (O02)	RB-N/47	570'-0"	UDC
			M				12E-3530 R/Q	250VDC MCC 3B (O02)	RB-N/47	570'-0"	UDC
			O				12E-3530 R/Q	250VDC MCC 3B (O02)	RB-N/47	570'-0"	UDC
			C				12E-3530 R/Q	250VDC MCC 3B (P01)	RB-N/47	570'-0"	UDC
			M				12E-3530 R/Q	250VDC MCC 3B (P01)	RB-N/47	570'-0"	UDC
			O				12E-3530 R/Q	250VDC MCC 3B (P01)	RB-N/47	570'-0"	UDC
			C				12E-3529 R/AE	250VDC MCC 3B (P02)	RB-N/47	570'-0"	UDC
			M				12E-3529 R/AE	250VDC MCC 3B (P02)	RB-N/47	570'-0"	UDC
			O				12E-3529 R/AE	250VDC MCC 3B (P02)	RB-N/47	570'-0"	UDC
			42/O				12E-3505A R/L	38-1-1 (DIST. PNL.)	RB-L/44	517'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X3	11	Y	NO	12E-3346-2, R/AL	4KV SWGR 24-1 (3)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X3	11	N	NO	12E-3346-2, R/AL	4KV SWGR 24-1 (3)	RB-N/48	545'-6"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44B		N	NO	12E-3676B R/T	4KV SWGR 33 (1)	TB-D/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44B		N	NO	12E-3676B R/T	4KV SWGR 33 (1)	TB-D/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44B		N	NO	12E-3676B R/T	4KV SWGR 33 (1)	TB-D/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44B		N	NO	12E-3676B R/T	4KV SWGR 33 (1)	TB-D/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	127B-33-X1	12	N	NO	12E-3344-1 R/V	4KV SWGR 33 (12)	TB-D/55	538'-0"	UDC

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GE	HFA-6NO	12HFA51A42F	127B-33-X1	12	Y	NO	12E-3344-1 R/V	4KV SWGR 33 (12)	TB-D/55	538'-0"	UDC
GE	PJC	12PJC11AV1A	151N		N	NO	12E-3436-2 R/P	4KV SWGR 33-1 (10)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X1	12	Y	NO	12E-3520 R/V	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X1	12	N	NO/NC	12E-3436-1 R/P	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X1	12	Y	NC	12E-3437-2 R/AC	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X1	12	N	NC	12E-3437-2 R/AC	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X1	12	Y	NC	12E-3437-2 R/AC	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X2	12	Y	NO	12E-3516 R/F	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X2	12	N	NO	12E-3436-2 R/P	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B33-1X3	12	Y	NC	12E-3437-1 R/AD	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B33-1X3	12	N	NC	12E-3437-1 R/AD	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B33-1X3	12	N	NC	12E-3437-1 R/AD	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B33-1X3	12	Y	NC	12E-3437-1 R/AD	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127B-33-1X2	12	N	NC	12E-3430-1 R/AP	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127B-33-1X3	12	N	NO	12E-3344-1 R/V	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127B-33-1X3	12	Y	NO	12E-3344-1 R/V	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127B33-1X2	12	Y	NC	12E-3429-1 R/U	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	PJC	12PJC11AV1A	151N/SI		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (2)	RB-N/47	545'-6"	UDC
GE	PJC11AV	12PJC11AV1A	151N		N	NO	12E-3349 R/S	4KV SWGR 33-1 (5)	RB-N/47	545'-6"	UDC
GE	PJC	12PJC11AVA1A	151N		N	NO	12E-3436-1 R/P	4KV SWGR 33-1 (7)	RB-N/47	545'-6"	UDC
GE	PJC	12PJC11AV1A	151N/SI		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (9)	RB-N/47	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-XT32X		N	NO/NC	12E-3342 R/W	4KV SWGR 34(12)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	127B-34-X2	11	N	NO	12E-3344-3 R/T	4KV SWGR 34(12)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	127B-34-X2	11	Y	NO	12E-3344-3 R/T	4KV SWGR 34(12)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	127B34X1		N	NO	12E-3343, R/ X	4KV SWGR 34 (12)	TB-E/55	538'-0"	UDC
GE	HFA-1NC	12HFA51A42F	127B34X3		N	NO	12E-3350B, R/ AK	4KV SWGR 34 (12)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44C		N	NO	12E-3678A R/U	4KV SWGR 34 (14)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44C		N	NO	12E-3678A R/U	4KV SWGR 34 (14)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44C		N	NO	12E-3678B R/Z	4KV SWGR 34 (14)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44C		N	NO	12E-3678B R/Z	4KV SWGR 34 (14)	TB-E/55	538'-0"	UDC

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	PJC	12PJC11AV1A	151N		N	NO	12E-3436-4 R/Q	4KV SWGR 34-1 (11)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA151A2F	127-B34-1X1	11	N	NO	12E-3436-3 R/Q	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA151A2F	127-B34-1X2	11	N	NC	12E-3438-2 R/AC	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA151A2F	127-B34-1X2	11	Y	NC	12E-3438-2 R/AC	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA151A2F	127-B34-1X2	11	N	NO/NC	12E-3438-2 R/AC	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA151A2F	127-B34-1X2	11	Y	NC	12E-3438-2 R/AC	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B34-1X3	11	Y	NC	12E-3438-1 R/AF	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B34-1X3	11	N	NC	12E-3438-1 R/AF	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B34-1X3	11	N	NC	12E-3438-1 R/AF	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B34-1X3	11	Y	NC	12E-3438-1 R/AF	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA151A2F	127B-34-1X1	11	N	NC	12E-3430-2 R/AN	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B-34-1X3	11	N	NO	12E-3344-3 R/T	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B-34-1X3	11	Y	NO	12E-3344-3 R/T	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA151A2F	127B34-1X1		N	NO	12E-3346-2, R/ AL	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B34-1X3		Y	NO	12E-3350B, R/ AK	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B34-1X3		N	NO	12E-3350B, R/ AK	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HGA		ASR-3		Y	NO	12E-3350A-1, R/ AC	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	PJC	12PJC11AV1A	151N		N	NO	12E-3436-3 R/Q	4KV SWGR 34-1 (5)	RB-N/48	545'-6"	UDC
GE	PJC	12PJC11AV1A	151N		N	NO	12E-3349 R/S	4KV SWGR 34-1 (6)	RB-N/48	545'-6"	UDC
AGASTAT	EGP	EGPI002	202-60-139J		N	NO	12E-3420A R/T	903-4	MCR	534'-0"	UDC
AGASTAT	EGP	EGP-B-002	3-1501-93A		N	NC	12E-3437-2 R/AC	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02A		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02A		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02A		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02A		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02C		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02C		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02C		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02C		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-4		N	NO	12E-3527-1 R/AH	2203-73A	TB-H/35	538'-0"	UIE

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT		EGP-B-002	3-2391-4		N	NO	12E-3527-1 R/AH	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-4		N	NO	12E-3527-1 R/AH	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-4		N	NO	12E-3527-1 R/AH	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-4		N	NO	12E-3527-1 R/AH	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-4		N	NO	12E-3527-1 R/AH	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	3-1501-93B		N	NC	12E-3438-2 R/AC	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02B		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02B		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02B		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02B		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02D		N	NO	12E-3528-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02D		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02D		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02D		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-6		N	NO	12E-3527-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-6		N	NO	12E-3527-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-6		N	NO	12E-3527-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-6		N	NO	12E-3527-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-6		N	NO	12E-3527-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-6		N	NO	12E-3527-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT	ETR	ETR-14D3B	27XTD-34-1	11	N	NO	12E-3346-1, R/AL	2253-84	RB-N/48	545'-6"	UIE
AGASTAT	EGP	EGPD	427Y1-34-1		N	NO	12E-3346-2, R/ AL	2253-84	RB-N/48	545'-6"	UIE
ITE		422C1276-L	81		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	UIE
ITE		422C1276-L	81		N	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	UIE
ITE		422C1276-L	81		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	UIE
MERCOID	PRESS.S	DAW-443-4132	PS-2360				12E-3527-3 R/AD	2203-29	RB-N/46	496'-0"	ULR
MERCOID	PRESS.S	DA-7043-804	PS-2368A				12E-3527-3 R/AD	2203-29	RB-N/46	496'-0"	ULR
MERCOID	PRESS.S	DA-7043-804	PS-2368B				12E-3527-3 R/AD	2203-29	RB-N/46	496'-0"	ULR
WESTING-	SV	292B402A10	FFCO		N	NO/NC	12E-3350A-1, R/ AC	2253-21	DG 3	517'-6"	ULR
WESTING-	SV	292B402A10	FFCO		Y	NO/NC	12E-3350A-1, R/ AC	2253-21	DG 3	517'-6"	ULR

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE.	HGA	12HGA11J52	1530-201		N	NC	12E-3662E R/B	903-33	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-109BB				12E-3461-2 R/AC	903-33	AEER	517'-6"	ULR
GE	HGA	121HGA11J52G	287-109BB				12E-3461-1 R/AC	903-33	AEER	517'-6"	ULR
GE	HGA	121HGA11J52G	287-109BB				12E-3462-1 R/AC	903-33	AEER	517'-6"	ULR
GE	HGA	121HGA11J52G	287-109BB				12E-3461-2 R/AC	903-33	AEER	517'-6"	ULR
GE	HGA	121HGA11J52G	287-109BB				12E-3461-2 R/AC	903-33	AEER	517'-6"	ULR
YARWAY	LEVEL	4418C	LIS-263-72A				12E-3430-1, R/ AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72A				12E-3430-1 R/AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72A				12E-3430-1 R/AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-3430-1 R/AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-3430-1 R/AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-3430-1 R/AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-2430-1 R/AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-2430-1 R/BD	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-3430-1, R/ AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	263-72B	6B			12E-3527-3 R/AD	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72B				12E-3430-2, R/ AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72B				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72B				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-2430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-2430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-3430-2, R/ AN	2203-6	RB-K/49	545'-6"	UMO
			OTL				12E-3350A-1, R/ AC	2253-21	DG 3	517'-6"	UND
			151/SI(A)		N	NO	12E-2345-4 R/A	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			151/SI(B)		N	NO	12E-2345-4 R/A	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			151/SI(C)		N	NO	12E-2345-4 R/A	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			151N		N	NO	12E-2345-4 R/A	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			152Y				12E-3342 R/W	4KV SWGR 33 (3)	TB-D/55	538'-0"	UND
			52/Y		N	NO/NC	12E-3436-2 R/P	4KV SWGR 33-1 (10)	RB-N/47	545'-6"	UND
			52/Y		N	NO/NC	12E-3436-1 R/P	4KV SWGR 33-1 (7)	RB-N/47	545'-6"	UND
			52/Y		N	NO/NC	12E-3436-4 R/Q	4KV SWGR 34-1 (11)	RB-N/48	545'-6"	UND
			52/Y		N	NO/NC	12E-3436-3 R/Q	4KV SWGR 34-1 (5)	RB-N/48	545'-6"	UND
			159-1-SD2				12E-3346-2, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UND
			159-2-SD2				12E-3346-2, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UND
			159-SD3X		Y	NO	12E-3346-1, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UND
			159-SD3X		N	NO	12E-3346-1, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UND
			52Y		Y	NO	12E-3346-1, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UND
			52Y		N	NO	12E-3346-1, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UND
			590-109A		N	NC/NO	12E-3467-3 R/AC	903-15	MCR	534'-0"	UND
			590-109A		N	NO	12E-3467-2 R/X	903-15	MCR	534'-0"	UND
			590-109A	14	N	NO	12E-3467-2 R/X	903-15	MCR	534'-0"	UND
			590-109C		N	NC/NO	12E-3467-3 R/AC	903-15	MCR	534'-0"	UND
			590-109C	14	N	NO	12E-3467-2 R/X	903-15	MCR	534'-0"	UND
			590-109B		N	NC/NO	12E-3467-3 R/AC	903-17	MCR	534'-0"	UND
			590-109B		N	NO	12E-3467-2 R/X	903-17	MCR	534'-0"	UND
			590-109B	14	N	NO	12E-3467-2 R/X	903-17	MCR	534'-0"	UND
			590-109D		N	NC/NO	12E-3467-3 R/AC	903-17	MCR	534'-0"	UND
			590-109D	14	N	NO	12E-3467-2 R/X	903-17	MCR	534'-0"	UND
			281-103	14	Y	NC	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-109	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-110	14	N	NC	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-111	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-111	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-111	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-111	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-112	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-112	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			281-112	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-112	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-114	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-114	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-115	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-115	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-116	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-116	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-118	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			ER		N	NO	12E-3350A-1, R/ AC	903-33	AEER	517'-6"	UND
			ER		Y	NO	12E-3350A-1, R/ AC	903-33	AEER	517'-6"	UND
			1020-101A/A		N	NO	12E-3516 R/F	903-4	MCR	534'-0"	UND
			1020-101B/A		N	NO	12E-3516 R/F	903-4	MCR	534'-0"	UND
			1020-101C/A		N	NO	12E-3516 R/F	903-4	MCR	534'-0"	UND
			PS-6				12E-3532 R/S	D03-2301-EBOP	RB-N/46	476'-6"	UND
			DSH				12E-3974, R/C	D03-8300--3---B05	TB-H/56	538'-0"	UND
			DSH				12E-3974A, R/B	D03-8300--3A--B05	TB-H/56	538'-0"	UND
			DSH				12E-3389A, R/F	D03-83250-3---B05	TB-H/56	538'-0"	UND
			67UK1				12E-3389, R/S	D03-9802-3ANEG-B05	TB-H/56	538'-0"	UND
			67UK1				12E-3389, R/S	D03-9802-3APOS-B05	TB-H/56	538'-0"	UND
			67UK1				12E-3389, R/S	D03-9802-3BNEG-B05	TB-H/56	538'-0"	UND
			67UK1				12E-3389, R/S	D03-9802-3BPOS-B05	TB-H/56	538'-0"	UND
			LS-3-LCS1				12E-3532 R/S	LS-3-LCS1	U3 HPCI		UND
			LS-3-LCS2				12E-3528-1 R/AD	LS-3-LCS2	U3 HPCI		UND
			PS-3-2301-PS4				12E-3532 R/S	PS-3-2301-PS4	U3 HPCI		UND
BARTON	DIFF.PRE	288 (W/224 DP	261-35D				12E-3437A R/S	2203-36	RB-M/49	476'-6"	UNG
BARTON	DIFF.PRE	288 (W/224 DP	261-35D				12E-3437A R/S	2203-36	RB-M/49	476'-6"	UNG
BARTON	DIFF.PRE	288 (W/224 DP	261-35H				12E-3438A R/S	2203-36	RB-M/49	476'-6"	UNG
BARTON	DIFF.PRE	288 (W/224 DP	261-35H				12E-3438A R/S	2203-36	RB-M/49	476'-6"	UNG
DRESSER	PRESS.	1539VX	CR		N	NO	12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	UNG

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
DRESSER	PRESS.	1539VX	CR		N	NO	12E-3461A R/D	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.	1539VX	CR		N	NO	12E-3462A R/C	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.	1539VX	CR		N	NO	12E-3462-3 R/AB	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.	1539VX	CR		N	NO	12E-3462-3 R/AB	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSH				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSH				12E-3461A R/D	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSH				12E-3462A R/C	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSH				12E-3462-3 R/AB	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSH				12E-3462-3 R/AB	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSL				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSL				12E-3461A R/D	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSL				12E-3462A R/C	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSL				12E-3462-3 R/AB	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSL				12E-3462-3 R/AB	2203-5	RB-M/47	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	263-52B				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	263-52B				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	PS-263-52B				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	PS-263-52B			NC	12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	PS-263-52B				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	PS-263-52B				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	PS-263-52B				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	PS-263-52B				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	UNG
CARDOX	RELAY	47H	AR2		N	NC	12E-3350B, R/AK	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	47H	AR2		N	NC	12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	45H	HR2		N	NO	12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	45H	HR2		N	NO	12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TH				12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TH				12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TM (A/B)				12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
GE	CEH	12CEH51A1A	140-DG3		N	NO	12E-3346-2, R/AL	2253-10	DG 3	517'-6"	UNG

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IAV	12IAV51D1A	159-DG3		N	NO	12E-3346-2, R/AL	2253-10	DG 3	517'-6"	UNG
GE	CFF	12CFF14B21A	181DG3				12E-3350B, R/AK	2253-10	DG 3	517'-6"	UNG
GE	ICW	12ICW51A1A	192-DG3		N	NO	12E-3346-2, R/AL	2253-10	DG 3	517'-6"	UNG
SQUARE D	EQ128-G2	CLASS 8504	EXC		Y	NO	12E-3336, R/ Q	2253-21	DG 3	517'-6"	UNG
SQUARE D	EQ128-G2	CLASS 8504	EXC		N	NO	12E-3336, R/ Q	2253-21	DG 3	517'-6"	UNG
SQUARE D		CLASS 8504	FFC		Y	NO	12E-3336, R/ Q	2253-21	DG 3	517'-6"	UNG
SQUARE D		CLASS 8504	FFC		N	NO	12E-3336, R/ Q	2253-21	DG 3	517'-6"	UNG
ELECTRO	EMD	EMD 8370794	SDR		N	NO	12E-3350A-1, R/ AC	2253-21	DG 3	517'-6"	UNG
ELECTRO	EMD	EMD 8370794	SDR		Y	NO	12E-3350A-1, R/ AC	2253-21	DG 3	517'-6"	UNG
MAGNETROL	LEVEL	A-103F-EP/VP	3-5241-3				12E-3350B, R/AK	3-5241-3	DG 3	517'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3342 R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3342- R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3342 R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3342-R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3342 R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3342-R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3342- R/W	4KV SWGR 33 (3)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3342- R/W	4KV SWGR 33 (3)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3342-R/W	4KV SWGR 33 (3)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(B)		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-2345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A801A	151N		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-3436-2 R/P	4KV SWGR 33-1 (10)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-3436-2 R/P	4KV SWGR 33-1 (10)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	151/SI(A)		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (2)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	151/SI(C)		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (2)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (3)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (3)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (3)	RB-N/47	545'-6"	UNG

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IAC	12IAC51B113A	151/150/SI(A)		N	NO	12E-3349 R/S	4KV SWGR 33-1 (5)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51B113A	151/150/SI(C)		N	NO	12E-3349 R/S	4KV SWGR 33-1 (5)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-3436-1 R/P	4KV SWGR 33-1 (7)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-3436-1 R/P	4KV SWGR 33-1 (7)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	151/SI(A)		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (9)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	151/SI(C)		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (9)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A3A	151 N/SI		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	UNG
GE	IAC-51A	12IAC51A101A	151/SI(C)		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A3A	151 N/SI		N	NO	12E-3343 R/X	4KV SWGR 34(11)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3343 R/X	4KV SWGR 34 (11)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3343 R/X	4KV SWGR 34(11)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3343 R/X	4KV SWGR 34 (11)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3343 R/X	4KV SWGR 34(11)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3343 R/X	4KV SWGR 34 (11)	TB-E/55	538'-0"	UNG
GE	IAV	12IAV69A1A	127-1-B34				12E-3343, R/ X	4KV SWGR 34 (12)	TB-E/55	538'-0"	UNG
GE	IAV	12IAV69A1A	127-1-XT32				12E-3342 R/W	4KV SWGR 34(12)	TB-E/55	538'-0"	UNG
GE	IAV	12IAV69A1A	127-2-B34				12E-3343, R/ X	4KV SWGR 34 (12)	TB-E/55	538'-0"	UNG
GE	IAC-51	12IAV69A1A	127-2-XT32				12E-3342 R/W	4KV SWGR 34(12)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-3436-4 R/Q	4KV SWGR 34-1 (11)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-3436-4 R/Q	4KV SWGR 34-1 (11)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A3A	151 / NEUT		N	NO	12E-3344-1, R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-3344-4, R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-3344-4, R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAV	12IAV69A1A	127-1-B34-1				12E-3346-2, R/ AL	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UNG
GE	IAV	12IAV69A1A	127-2-B34-1				12E-3346-2. R/ AL	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-3436-3 R/Q	4KV SWGR 34-1 (5)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-3436-3 R/Q	4KV SWGR 34-1 (5)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51B113A	151/150/SI(A)		N	NO	12E-3349 R/S	4KV SWGR 34-1 (6)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51B113A	151/150/SI(C)		N	NO	12E-3349 R/S	4KV SWGR 34-1 (6)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-3346-2, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-3346-2, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (C)		N	NO	12E-3346-2, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UNG
WESTING	SA-1	1329D62AO1-D	187-DG3				12E-3346-2, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350A				12E-3528-1 R/AD	LS-2/3-2350A	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350A				12E-3528-1 R/AD	LS-2/3-2350A	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350B				12E-3528-1 R/AD	LS-2/3-2350B	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350B				12E-3528-1 R/AD	LS-2/3-2350B	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350C				12E-3528-1 R/AD	LS-2/3-2350C	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350C				12E-3528-1 R/AD	LS-2/3-2350C	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350D				12E-3528-1 R/AD	LS-2/3-2350D	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350D				12E-3528-1 R/AD	LS-2/3-2350D	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-3-2351A				12E-3528-1 R/AD	LS-3-2351A	U3 HPCI		UNG
MAGNETROL	LEVEL	291	LS-3-2351A				12E-3528-1 R/AD	LS-3-2351A	U3 HPCI		UNG
MAGNETROL	LEVEL	291-S-13-512	LS-3-2351B				12E-3528-1 R/AD	LS-3-2351B	U3 HPCI		UNG
MAGNETROL	LEVEL	291-S-13-512	LS-3-2351B				12E-3528-1 R/AD	LS-3-2351B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370A				12E-3527-1 R/AH	TS-3-2370A	U3 HPCI		UNG

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370A				12E-3527-1 R/AH	TS-3-2370A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370A				12E-3527-1 R/AH	TS-3-2370A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370A				12E-3527-1 R/AH	TS-3-2370A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370A				12E-3527-1 R/AH	TS-3-2370A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370A				12E-3527-1 R/AH	TS-3-2370A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370B				12E-3527-1 R/AH	TS-3-2370B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370B				12E-3527-1 R/AH	TS-3-2370B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370B				12E-3527-1 R/AH	TS-3-2370B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370B				12E-3527-1 R/AH	TS-3-2370B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370B				12E-3527-1 R/AH	TS-3-2370B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370B				12E-3527-1 R/AH	TS-3-2370B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370C				12E-3527-1 R/AH	TS-3-2370C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370C				12E-3527-1 R/AH	TS-3-2370C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370C				12E-3527-1 R/AH	TS-3-2370C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370C				12E-3527-1 R/AH	TS-3-2370C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370C				12E-3527-1 R/AH	TS-3-2370C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370C				12E-3527-1 R/AH	TS-3-2370C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370D				12E-3527-1 R/AH	TS-3-2370D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370D				12E-3527-1 R/AH	TS-3-2370D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370D				12E-3527-1 R/AH	TS-3-2370D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370D				12E-3527-1 R/AH	TS-3-2370D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370D				12E-3527-1 R/AH	TS-3-2370D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370D				12E-3527-1 R/AH	TS-3-2370D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371A				12E-3527-1 R/AH	TS-3-2371A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371A				12E-3527-1 R/AH	TS-3-2371A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371A				12E-3527-1 R/AH	TS-3-2371A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371A				12E-3527-1 R/AH	TS-3-2371A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371A				12E-3527-1 R/AH	TS-3-2371A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371A				12E-3527-1 R/AH	TS-3-2371A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371B				12E-3527-1 R/AH	TS-3-2371B	U3 HPCI		UNG

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371B				12E-3527-1 R/AH	TS-3-2371B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371B				12E-3527-1 R/AH	TS-3-2371B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371B				12E-3527-1 R/AH	TS-3-2371B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371B				12E-3527-1 R/AH	TS-3-2371B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371B				12E-3527-1 R/AH	TS-3-2371B	U3 HPCI		UNG
UNITED	TEMP.SW	F100-7BS-90327	TS-3-2371C				12E-3527-1 R/AH	TS-3-2371C	U3 HPCI		UNG
UNITED	TEMP.SW	F100-7BS-90327	TS-3-2371C				12E-3527-1 R/AH	TS-3-2371C	U3 HPCI		UNG
UNITED	TEMP.SW	F100-7BS-90327	TS-3-2371C				12E-3527-1 R/AH	TS-3-2371C	U3 HPCI		UNG
UNITED	TEMP.SW	F100-7BS-90327	TS-3-2371C				12E-3527-1 R/AH	TS-3-2371C	U3 HPCI		UNG
UNITED	TEMP.SW	F100-7BS-90327	TS-3-2371C				12E-3527-1 R/AH	TS-3-2371C	U3 HPCI		UNG
UNITED	TEMP.SW	F100-7BS-90327	TS-3-2371C				12E-3527-1 R/AH	TS-3-2371C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371D				12E-3527-1 R/AH	TS-3-2371D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371D				12E-3527-1 R/AH	TS-3-2371D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371D				12E-3527-1 R/AH	TS-3-2371D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371D				12E-3527-1 R/AH	TS-3-2371D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371D				12E-3527-1 R/AH	TS-3-2371D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371D				12E-3527-1 R/AH	TS-3-2371D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372A				12E-3527-1 R/AH	TS-3-2372A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372A				12E-3527-1 R/AH	TS-3-2372A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372A				12E-3527-1 R/AH	TS-3-2372A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372A				12E-3527-1 R/AH	TS-3-2372A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372A				12E-3527-1 R/AH	TS-3-2372A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372A				12E-3527-1 R/AH	TS-3-2372A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372B				12E-3527-1 R/AH	TS-3-2372B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372B				12E-3527-1 R/AH	TS-3-2372B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372B				12E-3527-1 R/AH	TS-3-2372B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372B				12E-3527-1 R/AH	TS-3-2372B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372B				12E-3527-1 R/AH	TS-3-2372B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372B				12E-3527-1 R/AH	TS-3-2372B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372C				12E-3527-1 R/AH	TS-3-2372C	U3 HPCI		UNG

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372C				12E-3527-1 R/AH	TS-3-2372C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372C				12E-3527-1 R/AH	TS-3-2372C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372C				12E-3527-1 R/AH	TS-3-2372C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372C				12E-3527-1 R/AH	TS-3-2372C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372C				12E-3527-1 R/AH	TS-3-2372C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372D				12E-3527-1 R/AH	TS-3-2372D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372D				12E-3527-1 R/AH	TS-3-2372D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372D				12E-3527-1 R/AH	TS-3-2372D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372D				12E-3527-1 R/AH	TS-3-2372D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372D				12E-3527-1 R/AH	TS-3-2372D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372D				12E-3527-1 R/AH	TS-3-2372D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373A				12E-3527-1 R/AH	TS-3-2373A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373A				12E-3527-1 R/AH	TS-3-2373A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373A				12E-3527-1 R/AH	TS-3-2373A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373A				12E-3527-1 R/AH	TS-3-2373A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373A				12E-3527-1 R/AH	TS-3-2373A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373A				12E-3527-1 R/AH	TS-3-2373A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373B				12E-3527-1 R/AH	TS-3-2373B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373B				12E-3527-1 R/AH	TS-3-2373B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373B				12E-3527-1 R/AH	TS-3-2373B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373B				12E-3527-1 R/AH	TS-3-2373B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373B				12E-3527-1 R/AH	TS-3-2373B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373B				12E-3527-1 R/AH	TS-3-2373B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373C				12E-3527-1 R/AH	TS-3-2373C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373C				12E-3527-1 R/AH	TS-3-2373C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373C				12E-3527-1 R/AH	TS-3-2373C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373C				12E-3527-1 R/AH	TS-3-2373C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373C				12E-3527-1 R/AH	TS-3-2373C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373C				12E-3527-1 R/AH	TS-3-2373C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373D				12E-3527-1 R/AH	TS-3-2373D	U3 HPCI		UNG

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373D				12E-3527-1 R/AH	TS-3-2373D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373D				12E-3527-1 R/AH	TS-3-2373D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373D				12E-3527-1 R/AH	TS-3-2373D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373D				12E-3527-1 R/AH	TS-3-2373D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373D				12E-3527-1 R/AH	TS-3-2373D	U3 HPCI		UNG

APPENDIX C

SEISMIC QUALIFICATION UTILITIES GROUP (SQUG) ESSENTIAL RELAY PANEL LIST

The following is a listing of the components that comprise the Seismic Qualification Utilities Group (SQUG) Essential Relay Panel List. This list contains all panels that contain relays essential to safe shutdown. The information that has been generated on this list was done so following the methodology in the Seismic Evaluation Report (Ref 5), with the exception of the line number. The line number for this list is a sequential number which allows the list to be sorted. The list is sorted by the system name in column 5, then by equipment identification number in column 4. Note: This list contains all equipment that has note #5 in column 10 on the Safe Shutdown Equipment List (SSEL) contained in the Seismic Evaluation Report (Ref 5).

SQUG Essential[illegible]Panel List

Data Base File Name/Date/Time: DRESSEL.DBF / 06/04/96 / 17:4[illegible]
Sort Criteria: Line Number
Filter Criteria: (SSEL Notes CONTAINS '5') AND (Eval. Concern CONTAINS 'S')
Program File Name & Version: SSEM 2.2

LINE NO. (1)	TRAIN (2)	EQUIP CLASS (3)	MARK NO. (4)	SYSTEM/EQUIPMENT DESCRIPTION (5)	Dwg. No./Rev./Zone (6)	<--------- Building (7)	EQUIPMENT Flr.Elv. (8)	LOCATION -----> Rm. or Row/Col. (9)	SORT (10)	NOTES (11)	<-- OP. Normal (12)	ST. --> Desired (13)	POWER REQD? (14)	SUPPORTING SYS. DWG. NO./REV. (15)	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS (16)	REG. ISSUE (17)
1001		1	D02-8302A-----M05	250V DC/ MCC Bus #2A (ROB-RB MCC #2)	12E-2321/ W/ D-6	Reactor	570' 0"	M-N/41-42	S	5	Energ	Energ	Yes	12E-2321/ W	MOTIVE-250V DC TB MCC #3 CONTROL-N/A	S
1002		1	D02-8302B-----M05	250V DC/ MCC Bus #2B (ROB-RB MCC #2)	12E-2321/ W/ D-4	Reactor	570' 0"	M-N/41-42	S	5	Energ	Energ	Yes	12E-2321/ W	MOTIVE-250V DC TB MCC #3 CONTROL-N/A	S
1003		1	D03-8303A-----M05	250V DC/ MCC Bus #3A (ROB-RB MCC #3)	12E-3321/ U	Reactor	570' 0"	M-N/46-47	S	5	Energ	Energ	Yes	12E-3321/ U	MOTIVE-250V DC TB MCC #2 CONTROL-N/A	S
1004		1	D03-8303B-----M05	250V DC/ MCC Bus #3B (ROB-RB MCC #3)	12E-3321/ U	Reactor	570' 0"	M-N/46-47	S	5	Energ	Energ	Yes	12E-3321/ U	MOTIVE-250V DC TB MCC #2 CONTROL-N/A	S
1005		3	D02-6723------S35	4160V AC/ Switchgear 23	12E-2303-2/ L	Turbine	534' 0"	D-E/31-32	S	5,6	Energ	Energ	Yes	12E-2322B/ D	MOTIVE-Diesel Generator #2/3 CONTROL-125V DC TB Main Bus #2A-1	S
1006		3	D02-67231-----S35	4160V AC/ Switchgear 23-1	12E-2304/ S/ D-5	Reactor	545' 6"	M-N/39-40	S	5,6	Energ	Energ	Yes	12E-2322B/ D	MOTIVE-Diesel Generator #2/3 CONTROL-125V DC RB Distribution Panel #2	S
1007		3	D02-6724------S35	4160V AC/ Switchgear 24	12E-2303-2/ L	Turbine	534' 0"	D-E/31-32	S	5,6	Energ	Energ	Yes	12E-2322B/ D	MOTIVE-Diesel Generator #2 CONTROL-125V DC TB Res Bus #2B-1	S
1008		3	D02-67241-----S35	4160V AC/ Switchgear 24-1	12E-2304/ S/ D-5	Reactor	545' 6"	M-N/41-42	S	5,6	Energ	Energ	Yes	12E-2322B/ D	MOTIVE-Diesel Generator #2 CONTROL-125V DC TB Res Bus #2B-1	S
1009		3	D03-6733------S35	4160V AC/ Switchgear 33	12E-3303/ J/ E-5	Turbine	538' 0"	D-E/54-55	S	5,6	Energ	Energ	Yes	12E-3322B/ C	MOTIVE-Diesel Generator #2/3 CONTROL-125V DC TB Main Bus #3A-1	S
1010		3	D03-67331-----S35	4160V AC/ Switchgear 33-1	12E-3304/ Q/ D-5	Reactor	545' 6"	M-N/46-47	S	5,6	Energ	Energ	Yes	12E-3322B/ C	MOTIVE-Diesel Generator #2/3 CONTROL-RB 125V DC RB Distribution Panel #3	S
1011		3	D03-6734------S35	4160V AC/ Switchgear 34	12E-3303/ J/ C-5	Turbine	538' 0"	D-E/54-55	S	5,6	Energ	Energ	Yes	12E-3322B/ C	MOTIVE-Diesel Generator #2 CONTROL-125V DC TB Res Bus #3B-1	S
1012		3	D03-67341-----S35	4160V AC/ Switchgear 34-1	12E-3304/ Q/ B-6	Reactor	545' 6"	M-N/48-49	S	5,6	Energ	Energ	Yes	12E-3322B/ C	MOTIVE-Diesel Generator #3 CONTROL-125V DC TB Res Bus #3B-1	S
1013		3	D00-6740------S35	4160V AC/ Switchgear 40	N/A	Reactor	504' 6"	DG RM2/3 N/46	SR	5	N/A	N/A	No	12E-6631/ G	MOTIVE/CONTROL-N/A	S
1014		1	D02-7828-1----M05	480V AC/ MCC 28-1	12E-2318/ AK/ A-3	Reactor	517' 6"	L-M/38	S	5	Energ	Energ	Yes	12E-2306/ W	MOTIVE-480V AC Switchgear 28 CONTROL-N/A	S
1015		1	D02-7828-2----M05	480V AC/ MCC 28-2	12E-2311/ AD/ F-5	Turbine	538' 0"	F-G/35-36	S	5	Energ	Energ	Yes	12E-2306/ W	MOTIVE-480V AC Switchgear 28 CONTROL-N/A	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- Building	EQUIPMENT Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. ST. --> Normal	Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1016		1	D02-7828-3----M05	480V AC/ MCC 28-3	12E-2312/ V/ F-6	Turbine	538' 0"	F-G/35-36	S	5	Energ	Energ	Yes	12E-2306/ W	MOTIVE-480V AC Switchgear 28 CONTROL-N/A	S
1017		1	D02-7828-7----M05	480V AC/ MCC 28-7	12E-2318/ AK/ A-3	Reactor	517' 6"	N/40	S	5	Energ	Energ	Yes	12E-2306/ W	MOTIVE-480V AC Switchgear 28 CONTROL-N/A	S
1018		1	D02-7829-1----M05	480V AC/ MCC 29-1	12E-2319/ X	Reactor	517' 6"	L/44	S	5	Energ	Energ	Yes	12E-2306/ W	MOTIVE-480V AC Switchgear 29 CONTROL-N/A	S
1019		1	D02-7829-2----M05	480V AC/ MCC 29-2	12E-2311/ AD	Turbine	517' 6"	D-E/32-33	S	5	Energ	Energ	Yes	12E-2306/ W	MOTIVE-480V AC Switchgear 29 CONTROL-N/A	S
1020		1	D02-7829-4----M05	480V AC/ MCC 29-4	12E-2320/ AA	Reactor	517' 6"	M/44	S	5	Energ	Energ	Yes	12E-2306/ W	MOTIVE-480V AC Switchgear 29 CONTROL-N/A	S
1021		1	D02-7829-7----M05	480V AC/ MCC 29-7	12E-2320/ AA	Reactor	517' 6"	N/42	S	5	Energ	Energ	No	N/A	N/A	S
1022		1	D02-7829-8----M05	480V AC/ MCC 29-8	12E-6811/ 2/ B-6	Turbine	534' 0"	VENT RM2/3 G/32	S	5	Energ	Energ	Yes	12E-2306/ W	MOTIVE-480V AC Switchgear 29 CONTROL-N/A	S
1023		1	D03-7838-1----M05	480V AC/ MCC 38-1	12E-3318/ X/ F-2	Reactor	517' 6"	L/44	S	5	Energ	Energ	Yes	12E-3306/ Q	MOTIVE-480V AC Switchgear 38 CONTROL-N/A	S
1024		1	D03-7838-3----M05	480V AC/ MCC 38-3	12E-3312/ AD/ F-5	Turbine	538' 0"	H/53	S	5,6	Energ	Energ	Yes	12E-3306/ Q	MOTIVE-480V AC Switchgear 38 CONTROL-N/A	S
1025		1	D03-7838-4----M05	480V AC/ MCC 38-4	12E-3320/ U/ F-4	Reactor	517' 6"	M/44	S	5	Energ	Energ	Yes	12E-3306/ Q	MOTIVE-480V AC Switchgear 38 CONTROL-N/A	S
1026		1	D03-7838-7----M05	480V AC/ MCC 38-7	12E-3320/ U/ C-7	Reactor	517' 6"	N/46	S	5	Energ	Energ	Yes	12E-3306/ Q	MOTIVE-480V AC Switchgear 38 CONTROL-N/A	S
1027		1	D03-7839-1----M05	480V AC/ MCC 39-1	12E-3319-1,2,3/ V,R,T	Reactor	517' 6"	L-M/50	S	5	Energ	Energ	Yes	12E-3306/ Q	MOTIVE-480V AC Switchgear 39 CONTROL-N/A	S
1028		1	D03-7839-2----M05	480V AC/ MCC 39-2	12E-3311/ AD	Turbine	534' 0"	G/44-45	S	5,6	Energ	Energ	Yes	12E-3306/ Q	MOTIVE-480V AC Switchgear 39 CONTROL-N/A	S
1029		1	D03-7839-7----M05	480V AC/ MCC 39-7	12E-3320/ U	Reactor	517' 6"	N/48	S	5	Energ	Energ	No	N/A	N/A	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- Building	EQUIPMENT Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. Normal	ST. --> Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1030		2	D02-7329------S35	480V AC/ Switchgear 29	12E-2306/ W	Reactor	570' 0"	M-N/40-41	S	5	Energ	Energ	Yes	12E-2306/ W 12E-2322B/ D	MOTIVE-480V AC Transformer 29 CONTROL-125V DC TB Res Bus #2B-1	S
1031		20	D00-2223-0033-P05	CONTROL PANELS/ DG Relaying and Metering Cabinet	N/A	Reactor	504' 6"	DG RM2/3 N/46	S	5	N/A	N/A	No	N/A	N/A	S
1032		20	D00-2223-0041-P05	CONTROL PANELS/ DG Excitation Cabinet	N/A	Reactor	504' 6"	DG RM2/3 N/46	S	5	N/A	N/A	No	N/A	N/A	S
1033		20	D00-2223-0053-P05	CONTROL PANELS/ Diesel Generator Fire Protection Panel	N/A	Turbine	517' 6"	G/45	S	5	N/A	N/A	No	N/A	N/A	S
1034		20	D00-2223-0109-P05	CONTROL PANELS/ DG Cooling Pump Transfer Switch Status	N/A	Reactor	504' 6"	DG RM2/3 N/46	S	5,6	N/A	N/A	No	N/A	N/A	S
1035		11	D00-9400-0101-F10	CONTROL ROOM VENTILATION/ Air Filtration Unit	M-3121/ 10/ D-6	Turbine	534' 0"	VENT RM2/3 G/32	SR	1,5,6	Off	Operbl.	Yes	12E-6811A/ 5	MOTIVE-N/A CONTROL-MCC 29-8	S
1036		20	D00-9400-0102-P05	CONTROL PANELS/ RCU Control Panel	N/A	Turbine	534' 0"	VENT RM2/3 G/32	S	5	N/A	N/A	No	N/A	N/A	S
1037		20	D00-9400-0103-P05	CONTROL PANELS/ Control Cabinet 9400-103	N/A	Turbine	534' 0"	VENT RM2/3 G/32	S	5	N/A	N/A	No	N/A	N/A	S
1038		20	D00-9400-0105-P05	CONTROL PANELS/ Control Cabinet 9400-105	N/A	Turbine	534' 0"	VENT RM2/3 G/32	S	5,6	N/A	N/A	No	N/A	N/A	S
1039		20	D00-ACP	CONTROL PANELS/ Unit 2/3 Auxiliary Control Panel	N/A	Reactor	504' 6"	DG RM2/3 N/46	S	5,6	N/A	N/A	No	N/A	N/A	S
1040		20	D00-NGC	CONTROL PANELS/ Unit 2/3 Neutral Grounding Cabinet	N/A	Reactor	504' 6"	DG RM2/3 N/46	S	5	N/A	N/A	No	N/A	N/A	S
1041		20	D02-0902-0004-P05	CONTROL PANELS/ Control Panel 902-4	N/A	Turbine	534' 0"	C. RM PNL 902-4	S	5,6	N/A	N/A	No	N/A	N/A	S
1042		20	D02-0902-0015-P05	CONTROL PANELS/ Control Panel 902-15	N/A	Turbine	534' 0"	C. RM PL 902-15	S	5,6	N/A	N/A	No	N/A	N/A	S
1043		20	D02-0902-0017-P05	CONTROL PANELS/ Control Panel 902-17	N/A	Turbine	534' 0"	C. RM PL 902-17	S	5,6	N/A	N/A	No	N/A	N/A	S
1044		20	D02-0902-0028-P05	CONTROL PANELS/ Control Panel 902-28	N/A	Turbine	517' 6"	AEER PNL 902-28	S	5,6	N/A	N/A	No	N/A	N/A	S
1045		20	D02-0902-0032-P05	CONTROL PANELS/ Control Panel 902-32	N/A	Turbine	517' 6"	AEER PNL 902-32	S	5,6	N/A	N/A	No	N/A	N/A	S
1046		20	D02-0902-0033-P05	CONTROL PANELS/ Control Panel 902-33	N/A	Turbine	517' 6"	AEER PNL 902-33	S	5,6	N/A	N/A	No	N/A	N/A	S
1047		20	D02-0902-0039-P05	CONTROL PANELS/ Control Panel 902-39	N/A	Turbine	517' 6"	AEER PNL 902-39	S	5,6	N/A	N/A	No	N/A	N/A	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- Building	EQUIPMENT Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. ST. --> Normal	Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1048		20	D02-0902-0046-P05	CONTROL PANELS/ Control Panel 902-46	N/A	Turbine	517' 6"	AEER PNL 902-46	S	5,6	N/A	N/A	No	N/A	N/A	S
1049		20	D02-0902-0047-P05	CONTROL PANELS/ Control Panel 902-47	N/A	Turbine	517' 6"	AEER PNL 902-47	S	5,6	N/A	N/A	No	N/A	N/A	S
1050		20	D02-2252-0010-P05	CONTROL PANELS/ DG Metering and Relay Cabinet	N/A	Turbine	517' 6"	DG RM2 G-H/35	S	5	N/A	N/A	No	N/A	N/A	S
1051		20	D02-2252-0021-P05	CONTROL PANELS/ DG Excitation Cabinet	N/A	Turbine	517' 6"	DG RM2 G-H/35	S	5	N/A	N/A	No	N/A	N/A	S
1052		20	D03-0903-0004-P05	CONTROL PANELS/ Control Panel 903-4	N/A	Turbine	534' 0"	C. RM PNL 903-4	S	5,6	N/A	N/A	No	N/A	N/A	S
1053		20	D03-0903-0015-P05	CONTROL PANELS/ Control Panel 903-15	N/A	Turbine	534' 0"	C. RM PL 903-15	S	5,6	N/A	N/A	No	N/A	N/A	S
1054		20	D03-0903-0017-P05	CONTROL PANELS/ Control Panel 903-17	N/A	Turbine	534' 0"	C. RM PL 903-17	S	5,6	N/A	N/A	No	N/A	N/A	S
1055		20	D03-0903-0028-P05	CONTROL PANELS/ Control Panel 903-28	N/A	Turbine	517' 6"	AEER PNL 903-28	S	5,6	N/A	N/A	No	N/A	N/A	S
1056		20	D03-0903-0032-P05	CONTROL PANELS/ Control Panel 903-32	N/A	Turbine	517' 6"	AEER PNL 903-32	S	5,6	N/A	N/A	No	N/A	N/A	S
1057		20	D03-0903-0033-P05	CONTROL PANELS/ Control Panel 903-33	N/A	Turbine	517' 6"	AEER PNL 903-33	S	5,6	N/A	N/A	No	N/A	N/A	S
1058		20	D03-0903-0039-P05	CONTROL PANELS/ Control Panel 903-39	N/A	Turbine	517' 6"	AEER PNL 903-39	S	5,6	N/A	N/A	No	N/A	N/A	S
1059		20	D03-0903-0046-P05	CONTROL PANELS/ Control Panel 903-46	N/A	Turbine	517' 6"	AEER PNL 903-46	S	5,6	N/A	N/A	No	N/A	N/A	S
1060		20	D03-0903-0047-P05	CONTROL PANELS/ Control Panel 903-47	N/A	Turbine	517' 6"	AEER PNL 903-47	S	5,6	N/A	N/A	No	N/A	N/A	S
1061		20	D03-0923-0005-P05	CONTROL PANELS/ Control Panel 923-5	N/A	Turbine	534' 0"	C. RM PNL 923-5	S	5,6	N/A	N/A	No	N/A	N/A	S
1062		20	D03-2253-0010-P05	CONTROL PANELS/ DG Metering and Relay Cabinet	N/A	Turbine	517' 6"	DG RM3 G-H/55	S	5	N/A	N/A	No	N/A	N/A	S
1063		20	D03-2253-0021-P05	CONTROL PANELS/ DG Excitation Cabinet	N/A	Turbine	517' 6"	DG RM3 G-H/55	S	5	N/A	N/A	No	N/A	N/A	S
1064		21	D00-5202------T05	DIESEL GENERATOR/ Diesel Fuel Oil Storage Day Tank	M-41-2/ Q/ D-2	Turbine	517' 6"	DG RM2/3 N/46	S	5	N/A	N/A	No	N/A	N/A	S
1065		21	D02-5202------T05	DIESEL GENERATOR/ Diesel Fuel Oil Storage Day Tank	M-41-2/ Q/ F-6	Turbine	528' 3"	DG RM2 G-H/35	S	5	N/A	N/A	No	N/A	N/A	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<---------- Building	EQUIPMENT Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. Normal	ST. --> Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1066		21	D03-5202------T05	DIESEL GENERATOR/ Diesel Fuel Oil Storage Day Tank	M-41-2/ Q/ C-5	Turbine	528' 3"	DG RM3 G-H/55	S	5	N/A	N/A	No	N/A	N/A	S
1067		20	D02-7828-1-1--P06	DISTRIBUTION PANELS/ Distribution Panel 28-1-1	N/A	Reactor	517' 6"	L/38	S	5,6	Energ	Energ	No	N/A	N/A	S
1068		20	D03-7838-1-1--P06	DISTRIBUTION PANELS/ Distribution Panel 38-1-1	N/A	Reactor	517' 6"	L-M/44	S	5	Energ	Energ	No	N/A	N/A	S
1069		18	D00-2350-A-----LS	HPCI/ Condensate Storage Tank Level Switch	M-35-1/ CH/ F-7	Turbine	517' 6"	RFP RM G/35	SR	5	Closed	Operbl.	Yes	12E-2527/ BC 12E-3527-1/ AH	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1, 3B-1	S
1070		18	D00-2350-B-----LS	HPCI/ Condensate Storage Tank Level Switch	M-35-1/ CH/ F-7	Turbine	517' 6"	RFP RM G/35	SR	5	Closed	Operbl.	Yes	12E-2527/ BC 12E-3527-1/ AH	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1, 3B-1	S
1071		18	D00-2350-C-----LS	HPCI/ Condensate Storage Tank Level Switch	M-35-1/ CH/ F-7	Turbine	517' 6"	RFP RM G/35	SR	5	Closed	Operbl.	Yes	12E-2527/ BC 12E-3527-1/ AH	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1, 3B-1	S
1072		18	D00-2350-D-----LS	HPCI/ Condensate Storage Tank Level Switch	M-35-1/ CH/ F-7	Turbine	517' 6"	RFP RM G/35	SR	5	Closed	Operbl.	Yes	12E-2527/ BC 12E-3527-1/ AH	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1, 3B-1	S
1073		18	D02-2301-PS4---PS	HPCI/ Emergency Bearing Oil Pump Pressure Switch	N/A	Reactor	476' 6"	HP RM2 N/45	SR	5	N/A	N/A	No	N/A	N/A	S
1074		18	D03-2301-PS4---PS	HPCI/ Emergency Bearing Oil Pump Pressure Switch	N/A	Reactor	476' 6"	HP RM3 N/46-47	SR	5	N/A	N/A	No	N/A	N/A	S
1075		18	D02-LCS1-------LS	HPCI/ Gland Seal Condenser Drain Pump Low Level Switch	M-51/ AY/ D-2	Reactor	476' 6"	HP RM2 N/45	SR	5	Closed	Operbl.	Yes	12E-2532/ AC	MOTIVE-N/A CONTROL-250V DC MCC Bus #2A	S
1076		18	D02-LCS2-------LS	HPCI/ Gland Seal Condenser Drain Pump High Level Switch	M-51/ AY/ D-2	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2528/ AT	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1077		18	D03-LCS1-------LS	HPCI/ Gland Seal Condenser Drain Pump Low Level Switch	M-374/ BJ/ D-2	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Closed	Operbl.	Yes	12E-3532/ T	MOTIVE-N/A CONTROL-250V DC MCC Bus #3A	S
1078		18	D03-LCS2-------LS	HPCI/ Gland Seal Condenser Drain Pump High Level Switch	M-374/ BJ/ D-2	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3528-1/ AD	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1079		5	D02-2301------T20	HPCI/ HPCI Turbine	M-51/ AY/ A-6	Reactor	476' 6"	HP RM2 N/45	S	5	Off	On	No	N/A	N/A	S
1080		5	D03-2301------T20	HPCI/ HPCI Turbine	M-374/ BJ/ A-6	Reactor	476' 6"	HP RM3 N/46-47	S	5	Off	On	No	N/A	N/A	S
1081		18	D02-2370-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1082		18	D02-2370-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1083		18	D02-2370-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S

LINE NO. (1)	TRAIN (2)	EQUIP CLASS (3)	MARK NO. (4)	SYSTEM/EQUIPMENT DESCRIPTION (5)	Dwg. No./Rev./Zone (6)	<--------- Building (7)	EQUIPMENT Flr.Elv. (8)	LOCATION -----> Rm. or Row/Col. (9)	SORT (10)	NOTES (11)	<-- OP. ST. --> Normal (12)	Desired (13)	POWER REQD? (14)	SUPPORTING SYS. DWG. NO./REV. (15)	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS (16)	REG. ISSUE (17)
1084		18	D02-2370-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1085		18	D02-2371-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1086		18	D02-2371-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1087		18	D02-2371-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1088		18	D02-2371-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1089		18	D02-2372-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1090		18	D02-2372-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1091		18	D02-2372-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1092		18	D02-2372-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1093		18	D02-2373-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1094		18	D02-2373-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1095		18	D02-2373-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1096		18	D02-2373-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-51/ AY/ F-3	Reactor	476' 6"	HP RM2 N/45	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-120V AC Panel 902-33	S
1097		18	D03-2370-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1098		18	D03-2370-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1099		18	D03-2370-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1100		18	D03-2370-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1101		18	D03-2371-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S

SQUG Essential Panel List

Data Base File Name/Date/Time: DRESSEL.DBF / 06/04/96 / 17:4
Sort Criteria: Line Number
Filter Criteria: (SSEL Notes CONTAINS '5') AND (Eval. Concern CONTAINS 'S')
Program File Name & Version: SSEM 2.2

LINE NO. (1)	TRAIN (2)	EQUIP CLASS (3)	MARK NO. (4)	SYSTEM/EQUIPMENT DESCRIPTION (5)	Dwg. No./Rev./Zone (6)	<--------- EQUIPMENT Building (7)	Flr.Elv. (8)	LOCATION -----> Rm. or Row/Col. (9)	SORT (10)	NOTES (11)	<-- OP. Normal (12)	ST. --> Desired (13)	POWER REQD? (14)	SUPPORTING SYS. DWG. NO./REV. (15)	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS (16)	REG. ISSUE (17)
1102		18	D03-2371-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1103		18	D03-2371-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1104		18	D03-2371-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1105		18	D03-2372-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1106		18	D03-2372-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1107		18	D03-2372-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1108		18	D03-2372-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1109		18	D03-2373-A-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1110		18	D03-2373-B-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1111		18	D03-2373-D-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1112		18	D03-2373-C-----TS	HPCI/ Steam Leak Detection Temperature Switch	M-374/ BJ/ F-3	Reactor	476' 6"	HP RM3 N/46-47	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-120V AC Panel 903-33	S
1113		18	D02-2351-A-----LS	HPCI/ Suppression Pool Water Level Switch	M-51/ AY/ D-7	Reactor	476' 6"	SW C.RM M/43	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1114		18	D02-2351-B-----LS	HPCI/ Suppression Pool Water Level Switch	M-51/ AY/ D-7	Reactor	476' 6"	SW C.RM M/43	SR	5	Open	Operbl.	Yes	12E-2527/ BC	MOTIVE-N/A CONTROL-125V DC TB Res Bus #2B-1	S
1115		18	D03-2351-A-----LS	HPCI/ Suppression Pool Water Level Switch	M-374/ BJ/ D-7	Reactor	476' 6"	SW C.RM M/49	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1116		18	D03-2351-B-----LS	HPCI/ Suppression Pool Water Level Switch	M-374/ BJ/ D-7	Reactor	476' 6"	SW C.RM M/49	SR	5	Open	Operbl.	Yes	12E-3527-1/ AH	MOTIVE-N/A CONTROL-125V DC TB Res Bus #3B-1	S
1117		18	D02-2202-0005-P05	INSTRUMENT RACKS/ Instrument Rack 2202-5	N/A	Reactor	545' 6"	E/39	S	5	N/A	N/A	No	N/A	N/A	S
1118		18	D02-2202-0006-P05	INSTRUMENT RACKS/ Instrument Rack 2202-6	N/A	Reactor	545' 6"	M/41	S	5	N/A	N/A	No	N/A	N/A	S
1119		18	D02-2202-0007-P05	INSTRUMENT RACKS/ Instrument Rack 2202-7	N/A	Reactor	517' 6"	K/39	S	5	N/A	N/A	No	N/A	N/A	S

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- EQUIPMENT Building	Flr.Elv.	LOCATION -----> Rm. or Row/Col.	SORT	NOTES	<-- OP. ST. --> Normal	Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1120		18	D02-2202-0008-P05	INSTRUMENT RACKS/ Instrument Rack 2202-8	N/A	Reactor	517' 6"	K/43	S	5	N/A	N/A	No	N/A	N/A	S
1121		18	D02-2202-0029-P05	INSTRUMENT RACKS/ Instrument Rack 2202-29	N/A	Reactor	476' 6"	HP RM2 N/45	S	5	N/A	N/A	No	N/A	N/A	S
1122		18	D02-2202-0036-P05	INSTRUMENT RACKS/ Instrument Rack 2202-36	N/A	Reactor	476' 6"	SW C.RM M/43	S	5	N/A	N/A	No	N/A	N/A	S
1123		18	D02-2202-0070AP05	INSTRUMENT RACKS/ Instrument Rack 2202-70A	N/A	Turbine	517' 6"	AEER 2202-70A	S	5,6	N/A	N/A	No	N/A	N/A	S
1124		18	D02-2202-0070BP05	INSTRUMENT RACKS/ Instrument Rack 2202-70B	N/A	Turbine	517' 6"	AEER 2202-70B	S	5,6	N/A	N/A	No	N/A	N/A	S
1125		18	D02-2202-0073AP05	INSTRUMENT RACKS/ Instrument Rack 2202-73A	N/A	Turbine	538' 0"	H/35	S	5,6	N/A	N/A	No	N/A	N/A	S
1126		18	D02-2202-0073BP05	INSTRUMENT RACKS/ Instrument Rack 2202-73B	N/A	Turbine	538' 0"	H/35	S	5,6	N/A	N/A	No	N/A	N/A	S
1127		18	D02-2252-0083-P05	INSTRUMENT RACKS/ Instrument Rack 2252-83	N/A	Reactor	545' 6"	N/39	S	5,6	N/A	N/A	No	N/A	N/A	S
1128		18	D02-2252-0084-P05	INSTRUMENT RACKS/ Instrument Rack 2252-84	N/A	Reactor	545' 6"	N/42	S	5	N/A	N/A	No	N/A	N/A	S
1129		18	D03-2203-0005-P05	INSTRUMENT RACKS/ Instrument Rack 2203-5	N/A	Reactor	545' 6"	M/47	S	5	N/A	N/A	No	N/A	N/A	S
1130		18	D03-2203-0006-P05	INSTRUMENT RACKS/ Instrument Rack 2203-6	N/A	Reactor	545' 6"	K/49	S	5	N/A	N/A	No	N/A	N/A	S
1131		18	D03-2203-0007-P05	INSTRUMENT RACKS/ Instrument Rack 2203-7	N/A	Reactor	517' 6"	K/45	S	5	N/A	N/A	No	N/A	N/A	S
1132		18	D03-2203-0008-P05	INSTRUMENT RACKS/ Instrument Rack 2203-8	N/A	Reactor	517' 6"	K/49	S	5	N/A	N/A	No	N/A	N/A	S
1133		18	D03-2203-0029-P05	INSTRUMENT RACKS/ Instrument Rack 2203-29	N/A	Reactor	476' 6"	HP RM3 N/46	S	5	N/A	N/A	No	N/A	N/A	S
1134		18	D03-2203-0032-P05	INSTRUMENT RACKS/ Instrument Rack 2203-32	N/A	Reactor	545' 6"	L/46	S	5	N/A	N/A	No	N/A	N/A	S
1135		18	D03-2203-0036-P05	INSTRUMENT RACKS/ Instrument Rack 2203-36	N/A	Reactor	476' 6"	SW C.RM M/49	S	5	N/A	N/A	No	N/A	N/A	S
1136		18	D03-2203-0070AP05	INSTRUMENT RACKS/ Instrument Rack 2203-70A	N/A	Turbine	517' 6"	AEER 2203-70A	S	5,6	N/A	N/A	No	N/A	N/A	S
1137		18	D03-2203-0070BP05	INSTRUMENT RACKS/ Instrument Rack 2203-70B	N/A	Turbine	517' 6"	AEER 2203-70B	S	5,6	N/A	N/A	No	N/A	N/A	S

SQUG Essential [illegible] Panel List

Data Base File Name/Date/Time: DRESSEL.DBF / 06/04/96 / 17:4[illegible]
Sort Criteria: Line Number
Filter Criteria: (SSEL Notes CONTAINS '5') AND (Eval. Concern CONTAINS 'S')
Program File Name & Version: SSEM 2.2

LINE NO.	TRAIN	EQUIP CLASS	MARK NO.	SYSTEM/EQUIPMENT DESCRIPTION	Dwg. No./Rev./Zone	<--------- EQUIPMENT LOCATION -----> Building	Flr.Elv.	Rm. or Row/Col.	SORT	NOTES	<-- OP. ST. --> Normal	Desired	POWER REQD?	SUPPORTING SYS. DWG. NO./REV.	REQ'D INTERCONNECTIONS & SUPPORTING COMPONENTS	REG. ISSUE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1138		18	D03-2203-0073AP05	INSTRUMENT RACKS/ Instrument Rack 2203-73A	N/A	Turbine	538' 0"	H/35	S	5,6	N/A	N/A	No	N/A	N/A	S
1139		18	D03-2203-0073BP05	INSTRUMENT RACKS/ Instrument Rack 2203-73B	N/A	Turbine	538' 0"	H/35	S	5,6	N/A	N/A	No	N/A	N/A	S
1140		18	D03-2253-0083-P05	INSTRUMENT RACKS/ Instrument Rack 2253-83	N/A	Reactor	545' 6"	N/47	S	5	N/A	N/A	No	N/A	N/A	S
1141		18	D03-2253-0084-P05	INSTRUMENT RACKS/ Instrument Rack 2253-84	N/A	Reactor	545' 6"	N/48	S	5	N/A	N/A	No	N/A	N/A	S

APPENDIX D

SEISMIC QUALIFICATION UTILITIES GROUP (SQUG) SEISMIC CAPACITY SCREENING RESULTS

The following contains the relay seismic screenings for the relays on the Seismic Qualification Utilities Group (SQUG) Essential Relay List. Table 1 provides a summary of the floor response data used for determining seismic demand. Reference 10 (also included) provides a listing of the in-cabinet acceleration factors used for the cabinets/panels containing essential relays. The "G.4" form number has been entered into the "SAT" column of the relay database to provide a means of tracking.

Table 1

								Seismic Demand							
		Maximum Floor Acceleration		Panel Amplification Factor				PSA				ZPA			
Building	Floor Elevation	PSA	ZPA	1	3	4.5	7	1	3	4.5	7	1	3	4.5	7
TB	517'-6" and Below	0.33	0.21	1	3	4.5	7	0.33	0.99	1.485	2.31	0.21	0.63	0.945	1.47
TB	534'(CR AREA)	0.78	0.38	1	3	4.5	7	0.78	2.34	3.51	5.46	0.38	1.14	1.71	2.66
TB	538' (NOTE 1)	0.74	0.48	1	3	4.5	7	0.74	2.22	3.33	5.18	0.48	1.44	2.16	3.36
TB	549'(CR AREA)	0.78	0.38	1	3	4.5	7	0.78	2.34	3.51	5.46	0.38	1.14	1.71	2.66
TB	561'	2.2	0.6	1	3	4.5	7	2.2	6.6	9.9	15.4	0.6	1.8	2.7	4.2
RB	<517'-6"	0.81	0.33	1	3	4.5	7	0.81	2.43	3.645	5.67	0.33	0.99	1.485	2.31
RB	545'-6"	1.2	0.4	1	3	4.5	7	1.2	3.6	5.4	8.4	0.4	1.2	1.8	2.8
RB	570'	2.2	0.5	1	3	4.5	7	2.2	6.6	9.9	15.4	0.5	1.5	2.25	3.5

Note 1: As a unique response curve is not available for Turbine Building Elevation 538' (<40' above grade), the floor acceleration is taken as 1.5X1.5Xground floor response (Ref. EPRI NP-7148-SL)

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BOSTON•CLEVELAND

March 18, 1996

93C2806.04-LSC-010

Commonwealth Edison
Dresden Nuclear Station
6500 North Dresden Road
Morris, Illinois 60450

Attention: Ms. Leslie Wright, SEC 10-PAK

Subject: Amplification Factors for Cabinets Containing Essential Relays

Dear Ms. Wright:

The attached sheets are the latest amplification factors for those cabinets and panels containing essential relays. If the list is changing or has changed, please inform me so that I can continue to update the list for you.

If there are any questions, please feel free to contact me.

Very truly yours,

Walter Djordjevic
Project Manager

CLASS	AmpFacto	ID	DESCRIPTION	NOTES	BUILDING	EL
20	4.5	0902-15	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0902-17	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0902-19	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0902-28	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0902-3	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0902-32	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0902-33	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0902-36	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0902-39	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0902-4	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0902-46	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0902-47	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0902-5	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0903-15	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0903-17	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0903-19	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0903-28	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0903-3	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0903-32	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0903-33	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0903-36	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0903-39	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0903-46	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0903-47	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0903-5	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0903-8	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	0923-5	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	2202-70A	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	2202-70B	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	2203-70A	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
20	4.5	2203-70B	Aux Electric Room Panel	Control Panel-Medium Amp Factor	N/A	
16	7	D00-83250-0---B05	250V DC/ Battery Charger #2/3	Charger	Turbine	549
3	7	D02-6723-----S35	4160V AC/ Switchgear 23	Standard Switchgear	Turbine	534
3	7	D02-67231-----S35	4160V AC/ Switchgear 23-1	Standard Switchgear	Reactor	545.5
3	7	D02-6724-----S35	4160V AC/ Switchgear 24	Standard Switchgear	Turbine	534
3	7	D02-67241-----S35	4160V AC/ Switchgear 24-1	Standard Switchgear	Reactor	545.5
2	7	D02-7328-----C05	480V AC/ Switchgear 28	Standard Switchgear	Reactor	570
1	3	D02-7828-1---M05	480V AC/ MCC 28-1	Standard MCC	Reactor	517.5
1	3	D02-7828-2---M05	480V AC/ MCC 28-2	Standard MCC	Turbine	538
1	3	D02-7828-3---M05	480V AC/ MCC 28-3	Standard MCC	Turbine	538
1	3	D02-7828-7---M05	480V AC/ MCC 28-7	Standard MCC	Reactor	517.5
1	3	D02-7829-1---M05	480V AC/ MCC 29-1	Standard MCC	Reactor	517.5
1	3	D02-7829-2---M05	480V AC/ MCC 29-2	Standard MCC	Turbine	517.5
1	3	D02-7829-4---M05	480V AC/ MCC 29-4	Standard MCC	Reactor	517.5
1	3	D02-7829-8---M05	480V AC/ MCC 29-8	Standard MCC	Turbine	517.5
16	7	D02-8300--2--B05	125V DC/ Battery Charger #2	Charger	Turbine	549
16	7	D02-8300--2--B05	125V DC/ Battery Charger #2	Charger	Turbine	549
16	7	D02-8300--2A--B05	125V DC/ Battery Charger #2A	Charger	Turbine	549
16	7	D02-8300--2A--B05	125V DC/ Battery Charger #2A	Charger	Turbine	549
16	7	D02-83250-2---B05	250V DC/ Battery Charger #2	Charger	Turbine	549
16	7	D02-8802-2A---B05	24/48V DC/ Battery Charger #2A	Charger	Turbine	549
16	7	D02-8802-2B---B05	24/48V DC/ Battery Charger #2B	Charger	Turbine	549
20	4.5	D03-2202-73A	Panel	Control Panel-Medium Amp Factor		
20	4.5	D03-2202-73B	Panel	Control Panel-Medium Amp Factor		
20	4.5	D03-2203-73A	Panel	Control Panel-Medium Amp Factor		
20	4.5	D03-2203-73B	Panel	Control Panel-Medium Amp Factor		
3	7	D03-6733-----S35	4160V AC/ Switchgear 33	Standard Switchgear	Turbine	538
3	7	D03-67331-----S35	4160V AC/ Switchgear 33-1	Standard Switchgear	Reactor	545.5
3	7	D03-6734-----S35	4160V AC/ Switchgear 34	Standard Switchgear	Turbine	538
3	7	D03-67341-----S35	4160V AC/ Switchgear 34-1	Standard Switchgear	Reactor	545.5
2	4.5	D03-7338-----C05	480V AC/ Switchgear 38	Switchgear w/ small cubicle doors and braced b	Reactor	570
2	4.5	D03-7339-----S35	480V AC/ 480V Switchgear 39	Switchgear w/ small cubicle doors and braced b	Reactor	570
1	3	D03-7838-1---M05	480V AC/ MCC 38-1	Standard MCC	Reactor	517.5
1	3	D03-7838-2---M05	480V AC/ MCC 38-2	Standard MCC	Turbine	534
1	3	D03-7838-3---M05	480V AC/ MCC 38-3	Standard MCC	Turbine	517.5
1	3	D03-7838-4---M05	480V AC/ MCC 38-4	Standard MCC	Reactor	517.5
1	3	D03-7838-7---M05	480V AC/ MCC 38-7	Standard MCC	Reactor	517.5
1	3	D03-7839-1---M05	480V AC/ 480V MCC 39-1	Standard MCC	Reactor	517.5
1	3	D03-7839-2---M05	480V AC/ 480V MCC 39-2	Standard MCC	Turbine	534
16	7	D03-8300--3--B05	125V DC/ Battery Charger #3	Charger	Turbine	551
16	7	D03-8300--3--B05	125V DC/ Battery Charger #3	Charger	Turbine	551
16	7	D03-8300--3A--B05	125V DC/ Battery Charger #3A	Charger	Turbine	551
16	7	D03-8300--3A--B05	125V DC/ Battery Charger #3A	Charger	Turbine	551
16	7	D03-83250-3---B05	250V DC/ Battery Charger #3	Charger	Turbine	549
16	7	D03-8802-3A---B05	24/48V DC/ Battery Charger #3A	Charger	Turbine	551
16	7	D03-8802-3B---B05	24/48V DC/ Battery Charger #3B	Charger	Turbine	551
	7	D00-2223-0033				
	7	D00-2223-0041				
	7	D00-2223-0053				
	7	D00-2223-0058				
	7	D00-2223-0109				
	1	D00-2350-A-----L6				
	1	D00-2350-B-----L6				
	1	D00-2350-C-----L6				
	1	D00-2350-D-----L6				
	7	D00-5202-----T05				
	7	D00-6740-----S35				
	7	D00-9400-0101-F10				
	7	D00-9400-0102				
	4.5	D00-9400-0103				
	4.5	D00-9400-0105				
	7	D00-ACP				
	7*	D00-DGCP				
	4.5	D00-NGC				
	4.5	D02-0902-0041				

CLASS	AmpFactor	ID	DESCRIPTION	NOTES	BUILDING	EL
	7	D02-0902-0061				
	7	D02-0902-0062				
	1	D02-2202-0005				
	1	D02-2202-0006				
	1	D02-2202-0007				
	1	D02-2202-0008				
	1	D02-2202-0029				
	1	D02-2202-0036				
	7	D02-2202-0075				
	7	D02-2252-0010				
	7	D02-2252-0021				
	7	D02-2252-0083				
	7	D02-2252-0084				
	7	D02-2301-----T20				
	7	D02-2301-PS4---PS				
	7	D02-2351-A-----LS				
	7	D02-2351-B-----LS				
	7	D02-2370-A-----TS				
	7	D02-2370-B-----TS				
	7	D02-2370-C-----TS				
	7	D02-2370-D-----TS				
	7	D02-2371-A-----TS				
	7	D02-2371-B-----TS				
	7	D02-2371-C-----TS				
	7	D02-2371-D-----TS				
	7	D02-2372-A-----TS				
	7	D02-2372-B-----TS				
	7	D02-2372-C-----TS				
	7	D02-2372-D-----TS				
	7	D02-2373-A-----TS				
	7	D02-2373-B-----TS				
	7	D02-2373-C-----TS				
	7	D02-2373-D-----TS				
	7	D02-5202-----T05				
	7	D02-7329-----S35				
	7	D02-7828-1-1--P08				
	3	D02-7829-7----M05				
	3	D02-8302A-----M05				
	3	D02-8302B-----M05				
	7*	D02-DGCP				
	1	D02-LCS1-------LS				
	1	D02-LCS2-------LS				
	4.5	D02-NGC				
	4.5	D03-0903-0004				
	4.5	D03-0903-0041				
	7	D03-0903-0061				
	4.5	D03-0903-0062				
	1	D03-2203-0005				
	1	D03-2203-0006				
	1	D03-2203-0007				
	1	D03-2203-0008				
	7	D03-2203-0029				
	7	D03-2203-0032				
	7	D03-2203-0036				
	7	D03-2203-0075				
	7	D03-2253-0010				
	7	D03-2253-0021				
	7	D03-2253-0083				
	7	D03-2253-0084				
	7	D03-2301-----T20				
	7	D03-2301-PS4---PS				
	7	D03-2351-A-----LS				
	7	D03-2351-B-----LS				
	7	D03-2370-A-----TS				
	7	D03-2370-B-----TS				
	7	D03-2370-C-----TS				
	7	D03-2370-D-----TS				
	7	D03-2371-A-----TS				
	7	D03-2371-B-----TS				
	7	D03-2371-C-----TS				
	7	D03-2371-D-----TS				
	7	D03-2372-A-----TS				
	7	D03-2372-B-----TS				
	7	D03-2372-C-----TS				
	7	D03-2372-D-----TS				
	7	D03-2373-A-----TS				
	7	D03-2373-B-----TS				
	7	D03-2373-C-----TS				
	7	D03-2373-D-----TS				
	7	D03-5202-----T05				
	7	D03-7838-1-1--P08				
	3	D03-7839-7----M05				
	3	D03-8303A-----M05				
	3	D03-8303B-----M05				
	7	D03-DGCP				
	1	D03-LCS1-------LS				
	1	D03-LCS2-------LS				
	4.5	D03-NGC				

* Mounted on Diesel-Generator skid; therefore, essential relays should be screened out as long as they are not "bad actors"

Equipment Data
General Electric type 2810 Relays
Capacity

	Non-operate NO/NC	Operate NO/NC
2810	6/4g (3.6/2.4g ZPA)	10/10g (6g ZPA)

Ref. GERS-RLY-PNT.7

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

Relays in the following cabinets can be screened by this method

MCC 29-7, MCC 28-3, MCC 28-1, MCC 39-7

Relays in the following cabinets can not be screened via this method:
None.

Prepared By: J. Hunt 5/10/96

Reviewed By: [signature] 5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE		CR2810A14AT	CR29		N	NO	12E-2662D R/Z	MCC 29-7 (D1)	RB-N/42	517'-6"	2810
GE		CR2810A14AT	CR29		N	NO	12E-2662D R/Z	MCC 29-7 (D1)	RB-N/42	517'-6"	2810
GE	CR28	CR2810A 17AA	CR / NORMAL		N	NO/NC	12E-2351B-1, R/ AF	MCC 28-3 (D1)	TB-G/36	538'-0"	2810
GE	CR28	CR2810A 17AA	CR / NORMAL		Y	NO	12E-2351B-1, R/ AF	MCC 28-3 (D1)	TB-G/36	538'-0"	2810
GE		2810A	CR2		N	NO	12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	2810
GE		2810A	CR2		Y	NO	12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	2810
GE		2810A	CR2		N	NO	12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	2810

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE		CR2810A14AT22	CR39		N	NO	12E-3662D R/AC	MCC 39-7 (C1)	RB-N/48	517'-6"	2810
GE		CR2810A14AT22	CR39		N	NO	12E-3662D R/AC	MCC 39-7 (C1)	RB-N/48	517'-6"	2810

Equipment Data
General Electric type 2820 Relays
Capacity

	Non-operate NO/NC	Operate NO/NC
2820	10/10g (6g ZPA)	10/10g (6g ZPA)

Ref. GERS-RLY-PNT.7

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

Relays in the following cabinets can be screened by this method

902-32, 903-32, 902-33, 903-33, 902-46, 903-46, 903-47, 902-47

Relays in the following cabinets can not be screened via this method:
None.

Prepared By: J. Hussain 5/10/96
Reviewed By: 5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	CR2820	CR2820B411AA4	1530-105		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	2820
GE	CR2820	CR2820B	1530-205		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	2820
GE	CR2820	CR2820B	1530-187		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	2820
GE	CR2820	CR2820B	1530-182		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	2820
GE	CR2820	CR2820B	1530-187		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	2820
GE	CR2820	CR2820B	1530-182		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-282		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-282		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-287		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-287		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	2820
GE	TDR	CR2820B	1430-103B		N	NO	12E-3430-1, R/ AP	903-33	AEER	517'-6"	2820

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	TDR	CR2820B	1530-105		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	2820
GE	TDR	CR2820B	1430-103B		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-205		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	2820
GE	TDR 1/5	CR2820B	1530-182		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	2820
GE	TDR 1/5	CR2820B	1530-182		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-187		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-187		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-287		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-282		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-287		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	2820
GE	TDR	CR2820B	1530-282		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	2820

Equipment Data

ABB/ITE Type 27 and 59 Relays

	Non-operate NO/NC	Operate NO/NC
ITE27/59	15/15 (6g ZPA)	15/15 (6g ZPA)

Ref. GERS-RLY-PPM.4

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

Relays in the following cabinets can be screened by this method

2252-83, 2252-84, 2253-83, 2253-84, MCC 29-7, MCC 39-7

Relays in the following cabinets can not be screened via this method:
None

Prepared By: J. Hussi 5/10/96

Reviewed By: [illegible] 5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
ITE ABB	27N	411T4375-L	27NA		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	ABB
ITE ABB	59N	411U4175-L	59N		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	ABB
ITE ABB	27N	411T4375-L	27NA		N	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	ABB
ITE ABB	59N	411U4175-L	59N		N	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	ABB
ITE ABB	27N	411T4375-L	27NA		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	ABB
ITE ABB	59N	411U4175-L	59N		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	ABB
ABB POWER	27NR	410T4375-HF-L	127-3-B23-1				12E-2345-3, R/ AK	2252-83	RB-N/39	545'-6"	ABB
ABB POWER	27NR	410T4375-HF-L	127-4-B23-1				12E-2345-3, R/ AK	2252-83	RB-N/39	545'-6"	ABB
ABB PWR	27N-R	CAT.#410T4375-	127-3-B33-1				12E-2345-2, R/ AK	2253-83	RB-N/47	545'-6"	ABB
ABB PWR	27N-R	CAT.#410T4375-	127-4-B33-1				12E-2345-2, R/ AK	2253-83	RB-N/47	545'-6"	ABB
ABB POWER	27NR	410T4375-HF-L	127-3-B24-1				12E-2346-3, R/ AJ	2252-84	RB-N/42	545'-6"	ABB
ABB POWER	27NR	410T4375-HF-L	127-4-B24-1				12E-2346-3, R/ AJ	2252-84	RB-N/42	545'-6"	ABB

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
ITE	27N-R	CAT.#410T4375-	127-3-B34-1				12E-3346-2, R/ AL	2253-84	RB-N/48	545'-6"	ABB
ITE	27N-R	CAT.#410T4375-	127-4-B34-1				12E-3346-2, R/ AL	2253-84	RB-N/48	545'-6"	ABB
ITE		411U4175-L	59N		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	ABB
ITE		411U4175-L	59N		N	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	ABB
ITE		411U4175-L	59N		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	ABB
ITE		411T4375-L	27NA		Y	NO	12E-3662E R/B	MCC 39-7 (B4)	RB-N/48	517'-6"	ABB
ITE		411T4375-L	27NA		N	NO	12E-3662E R/B	MCC 39-7 (B4)	RB-N/48	517'-6"	ABB
ITE		411T4375-L	27NA		Y	NO	12E-3662E R/B	MCC 39-7 (B4)	RB-N/48	517'-6"	ABB

Equipment Data

Agastat Pneumatic Timing relays

	Non-operate NO/NC	Operate NO/NC	Transition NO/NC
7012	12.5 (5g ZPA)	12.5 (5g ZPA)	12.5 (5g ZPA)
7022,2422	6 (2.4g ZPA)	10 (4g ZPA)	4 (1.6g ZPA)

Per Drawings referenced on attached sheets, all time delays are greater than 0.3 seconds
Ref. GERS-RLY-PNT.7

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

Relays in the following cabinets can be screened by this method
2202-70A, MCC 29-7, MCC 39-7, 2203-32 (OPERATE ONLY)

Relays in the following cabinets can not be screened via this method:
2203-32 (NON-OPERATE)

Prepared By: J. Hussain 5/10/96

Reviewed By: [illegible] 5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT	TDR	7022PC002	287-121B		N	NC	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA1
AGASTAT	TDR	7022PC002	287-121B		Y	NC	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA1
AGASTAT	TDR	7022PC002	287-120B		N	NC	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA1
AGASTAT	TDR	7022PC002	287-120B		Y	NC	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA1
AGASTAT	TDR	7022PC002	287-121C		N	NC	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA1
AGASTAT	TDR	7022PC002	287-121C		Y	NC	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA1
AGASTAT	TDR	7022PC002	287-120C		N	NC	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA1
AGASTAT	TDR	7022PC002	287-120C		Y	NC	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA1
AGASTAT		E7022AD002	TDOD		Y	NC	12E-2374 R/AB	MCC 29-7 (D1)	RB-N/42	517'-6"	AGA1
AGASTAT		E7022AD002	TDOD		N	NC	12E-2374 R/AB	MCC 29-7 (D1)	RB-N/42	517'-6"	AGA1
AGASTAT		E7022AD	TDOD		N	NC	12E-2374 R/AB	MCC 29-7 (D2)	RB-N/42	517'-6"	AGA1
AGASTAT	TDR	E7012PB002	CR29A		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	AGA1
AGASTAT	TDR	E7012PB002	CR29A		N	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	AGA1
AGASTAT	TDR	E7012PB002	CR29A		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	AGA1

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT	TDR	E7022PC002	287-121B		Y	NC	12E-3461A R/D	2203-32	RB-L/47	545'-6"	AGA1
AGASTAT	TDR	E7022PC002	287-120B		Y	NC	12E-3461A R/D	2203-32	RB-L/47	545'-6"	AGA1
AGASTAT	TDR	E7022PC002	287-121C		Y	NC	12E-3462A R/C	2203-32	RB-L/47	545'-6"	AGA1
AGASTAT	TDR	E7022PC002	287-120C		Y	NC	12E-3462A R/C	2203-32	RB-L/47	545'-6"	AGA1
AGASTAT		E7012PB	CR39A		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	AGA1
AGASTAT		E7012PB	CR39A		N	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	AGA1
AGASTAT		E7012PB	CR39A		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	AGA1
AGASTAT		E7022AD	TDOD		Y	NC	12E-3374 R/U	MCC 39-7 (C1)	RB-N/48	517'-6"	AGA1
AGASTAT		E7022AD	TDOD		N	NC	12E-3374 R/U	MCC 39-7 (C1)	RB-N/48	517'-6"	AGA1
AGASTAT		E7022AD	TDOD		N	NC	12E-3374 R/U	MCC 39-7 (C1)	RB-N/48	517'-6"	AGA1

Equipment Data
Agastat Socket type relays (GP, EGP,. TR, ETR)

	Non-operate NO/NC	Operate NO/NC
GP/EGP	3.3/3.3(1.32g ZPA)	10 (4g ZPA)
TR/ETR	3.8/3.8(1.52g ZPA)	10 (4g ZPA)

Ref. GERS-RLY-ARS.4

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

Relays in the following cabinets can be screened by this method
2202-70A, 2202-70B, 902-32, 902-33, 2203-70A, 2203-70B, 903-32, 903-33, 903-46
OPERATE ONLY
2252-83, 2252-84, 2203-32, 2253-84, 2253-83
Relays in the following cabinets can not be screened via this method:
2202-73A, 2202-73B, 2203-73A, 2203-73B,
NON-OPERATE ONLY
2252-83, 2252-84, 2253-83, 2253-84, 2203-32

Prepared By: J. Hussain 5/10/96
Reviewed By: 5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT	EGP	EGPB003	K2C		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1C		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2C		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1C		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2C		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1C		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-122B		N	NO	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-122B		Y	NO	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-123B		N	NO	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-123B		Y	NO	12E-2461A R/E	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-122C		N	NO	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-122C		Y	NO	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-123C		N	NO	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	287-123C		Y	NO	12E-2462A R/C	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103A		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103A		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103A		N	NO	12E-6582F R/J	2202-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2D		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1D		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2D		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1D		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2D		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1D		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103B		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103B		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103B		N	NO	12E-6582F R/J	2202-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD003	427Y1-23-1		Y	NO	12E-2345-3, R/ AK	2252-83	RB-N/39	545'-6"	AGA2
AGASTAT	ETR	ETR-14D3B	27XTD-23-1		Y	NO	12E-2345-1 R/AT	2252-83	RB-N/39	545'-6"	AGA2
AGASTAT	EGP	EGPD002	459X1-24-1		Y	NO	12E-2346-3, R/AJ	2252-84	RB-N/42	545'-6"	AGA2
AGASTAT	ETR	ETR-14D3B	27XTD-24-1	10	Y	NO	12E-2346-2, R/AN	2252-84	RB-N/42	545'-6"	AGA2
AGASTAT	EGP	EGP	459X1-33-1		Y	NO	12E-3345-2, R/ AK	2253-83	RB-N/47	545'-6"	AGA2
AGASTAT	ETR	ETR-14D3B	27XTD-33-1		Y	NO	12E-3345-1, R/AP	2253-83	RB-N/47	545'-6"	AGA2
AGASTAT			1430-131A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	AGA2

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT			1430-131A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3N002	287-124A	3	N	NO	12E-2430-1 R/BD	902-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3N002	287-124A		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3N002	287-124A		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3N002	287-124B		N	NO	12E-2438-1 R/AS	902-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3N002	287-124B		N	NO	12E-2438-1 R/AS	902-32	AEER	517'-6"	AGA2
AGASTAT	TDR 5-15	ETR14D3BC750	1430-130A-1		N	NO	12E-2430-1 R/BD	902-32	AEER	517'-6"	AGA2
AGASTAT	GP	EGPD002	1430-131B		N	NO	12E-2462-1 R/AW	902-33	AEER	517'-6"	AGA2
AGASTAT	GP	EGPD002	1430-131B		N	NO	12E-2462-1 R/AW	902-33	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3N002	287-124B	3	N	NO	12E-2430-2 R/BD	902-33	AEER	517'-6"	AGA2
AGASTAT	TDR 5-15	ETR14D3BC750	1430-130B-1		N	NO	12E-2430-2 R/BD	902-33	AEER	517'-6"	AGA2

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT	EGP	EGPD002	287-122B		Y	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	AGA2
AGASTAT	EGP	EGPD002	287-123B		Y	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	AGA2
AGASTAT	EGP	EGPD002	287-122C		Y	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	AGA2
AGASTAT	EGP	EGPD002	287-123C		Y	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	AGA2
AGASTAT	EGP	EGPB003	K2C		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1C		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2C		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1C		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2C		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1C		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103A		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103A		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103A		N	NO	12E-7582F R/L	2203-70A	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2D		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1D		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2D		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1D		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K2D		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPB003	K1D		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103B		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103B		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPDC2004002	K103B		N	NO	12E-7582F R/L	2203-70B	AEER	517'-6"	AGA2
AGASTAT	ETR	ETR14D3N	TDR / 34-1		N	NO	12E-3346-2, R/ AL	2253-84	RB-N/48	545'-6"	AGA2
AGASTAT	EGP	EGPD002	1430-131A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	1430-131A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3H002	287-124A	3	N	NO	12E-3430-1 R/AP	903-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3H002	287-124B	3	N	NO	12E-3430-2 R/AN	903-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3H002	287-124A		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3H002	287-124A		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	AGA2
AGASTAT	TDR 1-30	ETR14D3H002	287-124B		N	NO	12E-3438-1 R/AF	903-32	AEER	517'-6"	AGA2

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT	TDR 1-30	ETR14D3H002	287-124B		N	NO	12E-3438-1 R/AF	903-32	AEER	517'-6"	AGA2
AGASTAT	TDR 5-15	ETR14D3BC750	1430-130A-1		N	NO	12E-3430-1 R/AP	903-32	AEER	517'-6"	AGA2
AGASTAT	TDR 5-15	ETR14D3BC750	1430-130B-1		N	NO	12E-3430-2 R/AN	903-32	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	1430-131B		N	NO	12E-3462-2 R/AA	903-33	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPD002	1430-131B		N	NO	12E-3462-2 R/AA	903-33	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPI002	202-60-139C		N	NO	12E-3420A R/T	903-46	AEER	517'-6"	AGA2
AGASTAT	EGP	EGPI002	202-60-139G		N	NO	12E-3420A R/T	903-46	AEER	517'-6"	AGA2

Equipment Data
Westinghouse Style AR Relay

	Capacity Non-Operate NO/NC	Operate NO/NC
AR	10/7.5g (4/3g ZPA)	10/10g (4g ZPA)

Ref. GERS-RLY-AI1.4

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

Relays in the following cabinets can be screened by this method

2/3-9400-105

Relays in the following cabinets can not be screened via this method:
None

Prepared By: J. Hussa 5/10/96
Reviewed By: [illegible] 5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
W	AR660A		CR1		Y	NC	12E-6811C, R/C	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NC	12E-6811C, R/C	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NC	12E-6811C, R/C	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		N	NO	12E-6811C, R/C	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR2		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR880A		CR4X		N	NO/NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR3		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR880A		CR4X		N	NO/NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NO/NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR4		N	NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR3		N	NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR2		N	NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR3		N	NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR880A		CR4X		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR2		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NC	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NC	12E-2375, R/R	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR880A		CR4X		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR660A		CR1		Y	NO/NC	12E-6811J, R/3	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR440A		CR5		N	NC	12E-6811A, R/5	2/3-9400-105	TR B HVAC	534'-0"	AR
W	AR880A		CR4X		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	AR

Equipment Data
Motor Contactors

	Capacity
Contactors	4.5g (2.5g ZPA)

Ref. GERS-CON.3

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

Relays in the following cabinets can be screened by this method
902-15, 902-17

Relays in the following cabinets can not be screened via this method:
28-1-1, 38-1-1

Prepared By: J. Hussain 5/10/96
Reviewed By: 5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE		CR305D0	590-109A		N	NC/NO	12E-2467-3 R/AE	902-15	MCR	534'-0"	CON
GE		CR305D0	590-109C		N	NC/NO	12E-2467-3 R/AE	902-15	MCR	534'-0"	CON
GE		CR305D0	590-109A		N	NO	12E-2467-2 R/AC	902-15	MCR	534'-0"	CON
GE		CR305D0	590-109A	14	N	NO	12E-2467-2 R/AC	902-15	MCR	534'-0"	CON
GE		CR305D0	590-109C	14	N	NO	12E-2467-2 R/AC	902-15	MCR	534'-0"	CON
GE		CR305D0	590-109D		N	NC/NO	12E-2467-3 R/AE	902-17	MCR	534'-0"	CON
GE		CR305D0	590-109B		N	NC/NO	12E-2467-3 R/AE	902-17	MCR	534'-0"	CON
GE		CR305D0	590-109B		N	NO	12E-2467-2 R/AC	902-17	MCR	534'-0"	CON
GE		CR305D0	590-109B	14	N	NO	12E-2467-2 R/AC	902-17	MCR	534'-0"	CON
GE		CR305D0	590-109D	14	N	NO	12E-2467-2 R/AC	902-17	MCR	534'-0"	CON

Equipment Data

General Electric Type HEA

	Non-operate NO/NC	Operate NO/NC
HEA61	10g (4g ZPA)	10g (4g ZPA)

Ref. GERS-RLY-ALO.2

As the specific model number of many of the relays could not be verified, the relays can be determined to be of type HEA-61, as there is no surge suppression or remote reset capabilities.

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

Relays in the following cabinets can be screened by this method

SWGR 23, 24, 23-1, 24-1, 40, 33-1, 34-1, 33, 34

Relays in the following cabinets can not be screened via this method:
None.

Prepared By: J. Husse 5/10/96

Reviewed By: 5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HEA		86		N	NO	12E-2342 R/AC	4KV SWGR 23(12)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO/NC	12E-2342 R/AC	4KV SWGR 23 (12)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-1 R/U	4KV SWGR 23(12)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-2 R/V	4KV SWGR 23(2)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO/NC	12E-2342 R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-1 R/U	4KV SWGR 23(3)	TB-D/32	534'-0"	HEA
GE	HEA		86	4	N	NO/NC	12E-2436-1 R/AA	4KV SWGR 23-1 (11)	RB-N/40	545'-6"	HEA
GE	HEA		86	4			12E-2345-4 R/B	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	HEA
GE	HEA		86	4	N	NO/NC	12E-2436-1 R/AA	4KV SWGR 23-1 (5)	RB-N/40	545'-6"	HEA
GE	HEA		86		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	HEA
GE	HEA		86	4	N	NO	12E-2345-4 R/B	4KV SWGR 23-1(9)	RB-N/40	545'-6"	HEA
GE	HEA		86		N	NC	12E-2344-1 R/U	4KV SWGR 23-1(9)	RB-N/40	545'-6"	HEA
GE	HEA		186-2329		N	NC	12E-2345-1 R/AT	4KV SWGR 23-1 (9)	RB-N/40	545'-6"	HEA
GE	HEA		86		N	NO	12E-2344-4 R/T	4KV SWGR 24 (12)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-3 R/U	4KV SWGR 24(12)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-3 R/U	4KV SWGR 24 (14)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-3 R/U	4KV SWGR 24 (5)	TB-D/32	534'-0"	HEA
GE	HEA		86		N	NO	12E-2344-4 R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	HEA
GE	HEA		86		N	NO	12E-2344-3 R/U	4KV SWGR 24-1(11)	RB-N/41	545'-6"	HEA
GE	HEA		86	4	N	NC	12E-2346-1 R/AH	4KV SWGR 24-1(11)	RB-N/41	545'-6"	HEA
GE	HEA		186-2430		N	NC	12E-2346-2, R/AN	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	HEA
GE	HEA		86	4	N	N0/NC	12E-2346-1 R/AH	4KV SWGR 24-1(13)	RB-N/41	545'-6"	HEA
GE	HEA		186-DG2		N	NC	12E-2350A-1, R/ AH	4KV SWGR 24-1 (13)	RB-N/41	545'-6"	HEA
GE	HEA	12HEA61B235	186-DG2		N	NC	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	HEA
GE	HEA		86	4	N	NO/NC	12E-2436-2 R/Y	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	HEA
GE	HEA		86	4	N	NO/NC	12E-2436-2 R/Y	4KV SWGR 24-1 (8)	RB-N/41	545'-6"	HEA
GE	HEA		86	4	N	NO/NC	12E-2345-4 R/B	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	HEA
GE	HEA		186-3323		N	NC	12E-3345-1, R/AP	4KV SWGR 33-1 (3)	RB-N/47	545'-6"	HEA
GE	HEA	12HEA61B235	186-DG2/3		N	NC	12E-2345-1 R/AT	4KV SWGR 40 (3)	DG 2/3	517'-6"	HEA
GE	HEA	12HEA61B235	186-DG2/3		N	NC	12E-3345-1, R/AP	4KV SWGR 40 (3)	DG 2/3	517'-6"	HEA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HEA	12HEA61B235	186-DG2/3		N	NC	12E-2351A-1, R/ AM	4KV SWGR 40 (3)	DG 2/3	517'-6"	HEA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HEA		86	4	N	NO/NC	12E-3345-3 R/A	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	HEA
GE	HEA		86	4	N	NC	12E-3346-1 R/AK	4KV SWGR 24-1 (13)	RB-N/41	545'-6"	HEA
GE	HEA		86		N	NO	12E-3344-2 R/W	4KV SWGR 33 (10)	TB-D/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	HEA
GE	HEA		86		N	NO/NC	12E-3342 R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3344-1 R/V	4KV SWGR 33 (13)	TB-D/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3344-1 R/V	4KV SWGR 33 (3)	TB-D/55	538'-0"	HEA
GE	HEA		86	4	N	NO/NC	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	HEA
GE	HEA		86	4	N	NO/NC	12E-3436-2 R/P	4KV SWGR 33-1 (10)	RB-N/47	545'-6"	HEA
GE	HEA		86		N	NO	12E-3344-1 R/V	4KV SWGR 33-1 (2)	RB-N/47	545'-6"	HEA
GE	HEA		86		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (3)	RB-N/47	545'-6"	HEA
GE	HEA		86	4	N	NO/NC	12E-3436-1 R/P	4KV SWGR 33-1 (7)	RB-N/47	545'-6"	HEA
GE	HEA		86	4	N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (9)	RB-N/47	545'-6"	HEA
GE	HEA		86		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3344-3 R/T	4KV SWGR 34(1)	TB-E/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3343 R/X	4KV SWGR 34 (11)	TB-E/55	538'-0"	HEA
GE	HEA		86		N	NO/NC	12E-3344-3 R/T	4KV SWGR 34(11)	TB-E/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3344-4 R/U	4KV SWGR 34(3)	TB-E/55	538'-0"	HEA
GE	HEA		86		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	HEA
GE	HEA		86	4	N	NO/NC	12E-3436-4 R/Q	4KV SWGR 34-1 (11)	RB-N/48	545'-6"	HEA
GE	HEA		86		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	HEA
GE	HEA		86		N	NO	12E-3344-3 R/T	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	HEA
GE	HEA		186-3432		N	NC	12E-3346-2, R/AL	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	HEA
GE	HEA		86	4	N	NO/NC	12E-3436-3 R/Q	4KV SWGR 34-1 (5)	RB-N/48	545'-6"	HEA
GE	HEA	12HEA61B235	186-DG3		N	NC	12E-3350A-1, R/ AC	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	HEA
GE	HEA	12HEA61B235	186-DG3		N	NC	12E-3346-1, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	HEA

Equipment Data

General Electric Type HFA Relays

	Non-operate		Operate
	NO	NC	NO/NC
HFA51A	6g (2.4g ZPA)	1g (0.4g)	7g (2.8g ZPA)
HFA151	7.5g (3g ZPA)	3g (1.2g ZPA)	15g (6g ZPA)

Ref. GERS-RLY-ARH.5

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

Relays in the following cabinets can be screened by this method

HFA151
NO/NC
902-32, 902-33, 903-32, 903-33, 903-39, 902-39, 902-46, 902-47, 903-46, 903-47, MCC 29-7, MCC 39-7

NO only
903-15, 903-17
902-15, 902-17

Operate only
SWGR 33-1, SWGR 34-1
2223-109, 2203-32

HFA51
NO/NC
None

NO/Operate only
SWGR40, SWGR23, SWGR24
2252-10, 2223-33, 2253-10

Operate only

Relays in the following cabinets can not be screened via this method:
HFA51
2203-32, 24-1, 23-1, 33-1, 34-1, SWGR33, SWGR34
NC/Non-Operate only
2252-10, 2223-33, 2253-10, swgr 24
HFA151 Non-operate
2203-32, 2223-109

Prepared By: J. Hussein 5/10/96

Reviewed By: 5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-1NC	12HFA151A2F	6600-HFA2		Y	NC	12E-2351B-3, R/ AC	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-1NC	12HFA151A2F	6600-HFA2		Y	NC	12E-2351B-3, R/ AM	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-1NC	12HFA151A2F	6600-HFA2		Y	NC	12E-2351B-2, R/ AM	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-1NC	12HFA151AF2	6600-HFA2		Y	NC	12E-2351B-3, R/ AC	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-3NC	12HFA151A2F	6600-HFA1		Y	NC	12E-2351B-1, R/ AF	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-3NC	12HFA151A2F	6600-HFA1		Y	NC	12E-2351B-1, R/ AF	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-3NC	12HFA151A2F	6600-HFA1		Y	NC	12E-2351B-2, R/ AM	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-3NC	12HFA151A2F	6600-HFA1		Y	NC	12E-2351B-2, R/ AM	2223-109	DG 2/3	517'-6"	HFA
GE	HFA-3NC	12HFA51A42H	181Y-DG2/3		Y	NO/NC	12E-2345-1 R/AT	2223-33	DG 2/3	517'-6"	HFA
GE	HFA-3NC	12HFA51A42H	181Y-DG2/3		Y	NO/NC	12E-2345-1 R/AT	2223-33	DG 2/3	517'-6"	HFA
GE	HFA-3NC	12HFA51A42H	181Y-DG2/3		Y	NO/NC	12E-3345-1, R/AP	2223-33	DG 2/3	517'-6"	HFA
GE	HFA-3NC	12HFA51A42H	181Y-DG2		Y	NO/NC	12E-2346-2, R/AN	2252-10	DG 2	517'-6"	HFA
GE	HFA-6NO	12HFA51A42F	127B-23-X1	10	N	NO	12E-2344-1 R/U	4KV SWGR 23(4)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	127B23X3		N	NO	12E-2351B-2, R/ AM	4KV SWGR 23 (4)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	127B23X1		N	NO	12E-2342, R/ AC	4KV SWGR 23 (4)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44B		N	NO	12E-2675A R/AH	4KV SWGR 23 (5)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44B		N	NO	12E-2675C R/AA	4KV SWGR 23 (5)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44B		N	NO	12E-2675C R/AA	4KV SWGR 23 (5)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44B		N	NO	12E-2675C R/AA	4KV SWGR 23 (5)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44C		N	NO	12E-2678C R/F	4KV SWGR 24 (3)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44C		N	NO	12E-2678C R/F	4KV SWGR 24 (3)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44C		N	NO	12E-2678C R/F	4KV SWGR 24 (3)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	CR2-1501-44C		N	NO	12E-2678C R/F	4KV SWGR 24 (3)	TB-D/32	534'-0"	HFA
GE	HFA-1NC	12HFA51A42F	127B-24-X3	10	N	NO	12E-2344-3 R/U	4KV SWGR 24(6)	TB-D/32	534'-0"	HFA
GE	HFA-1NC	12HFA51A42F	127B24X3		N	NO	12E-2350B-2, R/AD	4KV SWGR 24 (6)	TB-D/32	534'-0"	HFA
GE	HFA-6NO	12HFA51A42F	127B24X1		N	NO	12E-2343, R/AC	4KV SWGR 24 (6)	TB-D/32	534'-0"	HFA
GE	HFA-1NC	12HFA51A42F	127-B33-X3		N	NO	12E-2351B-2, R/ AM	4KV SWGR 33 (12)	TB-D/55	538'-0"	HFA
GE	HFA-6NO	12HFA51A42F	127-B33X1		N	NO	12E-3342, R/ W	4KV SWGR 33 (12)	TB-D/55	538'-0"	HFA
GE	HFA-6NO	12HFA51A42F	159-SD2/3X		Y	NO	12E-2345-1 R/AT	4KV SWGR 40 (2)	DG 2/3	517'-6"	HFA
GE	HFA-6NO	12HFA51A42F	159-SD2/3XD		N	NO	12E-2345-1 R/AT	4KV SWGR 40 (2)	DG 2/3	517'-6"	HFA
GE	HFA-6NO	12HFA51A42F	159-SD2/3X		N	NO	12E-2345-1 R/AT	4KV SWGR 40 (2)	DG 2/3	517'-6"	HFA
GE	HFA-6NO	12HFA51A42F	159-SD2/3X		Y	NO	12E-3345-1, R/AP	4KV SWGR 40 (2)	DG 2/3	517'-6"	HFA
GE	HFA-6NO	12HFA51A42F	159-SD2/3X		N	NO	12E-3345-1, R/AP	4KV SWGR 40 (2)	DG 2/3	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A9F	590-114A		N	NO	12E-2465-2 R/AD	902-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114C		N	NO	12E-2465-2 R/AD	902-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114A		N	NO	12E-2465-2 R/AD	902-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114A	14	N	NO	12E-2465-2 R/AD	902-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114C	14	N	NO	12E-2465-2 R/AD	902-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114D		N	NO	12E-2466-2 R/AD	902-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114B		N	NO	12E-2466-2 R/AD	902-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114B		N	NO	12E-2466-2 R/AD	902-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114B	14	N	NO	12E-2466-2 R/AD	902-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114D	14	N	NO	12E-2466-2 R/AD	902-17	MCR	534'-0"	HFA
GE	HFA-1NC	12HFA151A2H	1430-114A		N	NO	12E-2429-1 R/AB	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1430-102A		N	NO	12E-2430-1 R/BD	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-120		Y	NC	12E-2440-2 R/AC	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		Y	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-106		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		Y	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		Y	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-106		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		Y	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-129	6B	Y	NC	12E-2440-1 R/AC	902-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A	12	N	NO	12E-2345-1 R/AT	902-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-112A		N	NO	12E-2345-3, R/ AK	902-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A		N	NO	12E-2351B-2, R/ AM	902-32	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	1530-116		N	NO	12E-2436-1 R/AA	902-32	AEER	517'-6"	HFA
GE	HFA-5NC	12HFA151A2H	1530-157		N	NC	12E-2437A R/Z	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A				12E-2430-1 R/BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109				12E-2430-1 R/BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107A		N	NO	12E-2430-1 R/BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A		N	NO	12E-2430-2 R/BD	902-32	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2430-1 R/BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107A		N	NO	12E-2430-1 R/BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-2461A R/E	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-2461A R/E	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-2462A R/C	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-2462A R/C	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-2462-2 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-2462-2 R/AW	902-32	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-108		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105A		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A		N	NO	12E-2430-2, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-108		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105A		N	NO	12E-2430-2, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A		N	NO	12E-2430-2, R/ BD	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-2437A R/Z	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150				12E-2437A R/Z	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-112		N	NO	12E-2436-1 R/AA	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-101		N	NO	12E-2437-1 R/AN	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2438-1 R/AS	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-2438-1 R/AS	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-2438-1 R/AS	902-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-2438-1 R/AS	902-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1430-114B		N	NO	12E-2429-2 R/AB	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1430-102B		N	NO	12E-2430-2 R/BD	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1430-108B		N	NO	12E-2350B-2, R/ AD	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-220		Y	NC	12E-2440-2 R/AC	902-33	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-1NC	12HFA151A2H	1530-206		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		Y	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-206		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		Y	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-229	6B	Y	NC	12E-2440-1 R/AC	902-33	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-112B		N	NO	12E-2346-3, R/ AJ	902-33	AEER	517'-6"	HFA
GE	HFA-5NC	12HFA151A2H	1530-257		N	NC	12E-2438A R/AB	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-2430-1 R/BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2430-2 R/BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107B		N	NO	12E-2430-1 R/BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-2430-2 R/BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2430-2 R/BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107B		N	NO	12E-2430-1 R/BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-2462-1 R/AW	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-208		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105B		N	NO	12E-2430-1, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B		N	NO	12E-2430-1, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-208		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105B		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101A		N	NO	12E-2527 R/BA	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-2437A R/Z	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-2437A R/Z	902-33	AEER	517'-6"	HFA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2437-1 R/AN	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-2437-1 R/AN	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2437-1 R/AN	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-2437-1 R/AN	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-212		N	NO	12E-2436-2 R/Y	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-216		N	NO	12E-2436-2 R/Y	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-2527 R/BA	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-2527 R/BA	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-125A		N	NO	12E-2529-2 R/AJ	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-125A		N	NO	12E-2529-4 R/AK	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-2528 R/AS	902-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	2330-111		N	NO	12E-2529-1 R/AH	902-39	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	2330-119		N	NO	12E-2529-1 R/AH	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NC	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NO	12E-2529-2 R/AJ	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NO	12E-2529-4 R/AK	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-150		Y	NC	12E-2530 R/AA	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-150		Y	NC	12E-2530 R/AA	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NC	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-2527A R/G	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-103		N	NO	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-108		N	NO	12E-2527 R/BA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-106		N	NO	12E-2530 R/AA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-107		N	NO	12E-2530 R/AA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-151		N	NO	12E-2530 R/AA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-151		N	NO	12E-2530 R/AA	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-185		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-192		N	NO	12E-2441-4 R/AA	902-46	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-195		N	NO	12E-2441A R/Z	902-46	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-177	8	N	NO	12E-2420A R/W	902-46	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	1530-197		N	NO/NC	12E-2438A R/AB	902-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-194		N	NO	12E-2441-3 R/Z	902-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-193		N	NO	12E-2441A R/Z	902-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-194		N	NO	12E-2441-4 R/AA	902-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-190		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-190		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-178		Y	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HFA
GE	HFA	12HFA151A2H	1530-285		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-292		N	NO	12E-2441-4 R/AA	902-47	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-295		N	NO	12E-2441A R/Z	902-47	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-277X	8	N	NO	12E-2420A R/W	902-47	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	1530-297		N	NO/NC	12E-2437A R/Z	902-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-294		N	NO	12E-2441-3 R/Z	902-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-293		N	NO	12E-2441A R/Z	902-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-294		N	NO	12E-2441-4 R/AA	902-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-290		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-290		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-278		Y	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A	12			12E-3345-1, R/AP	903-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A	12	N	NO	12E-2351B-3, R/ AC	903-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A	12	N	NO	12E-2351B-3, R/ AC	903-32	AEER	517'-6"	HFA

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-2NC	12HFA151A2H	1430-108A	12	N	NO	12E-2351B-3, R/ AM	903-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A	12	N	NO	12E-2351B-3, R/ AM	903-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-112A		N	NO	12E-2345-2, R/ AK	903-32	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-108A		N	NO	12E-2351B-2, R/ AM	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-108		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105A		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-208		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105B		N	NO	12E-3430-1, R/ AP	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B		N	NO	12E-3430-1, R/ AP	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	CR29B		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	CR29B		N	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	CR29B		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-3NC	12HFA151A2H	287-108D		Y	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	HFA
GE	HFA-3NC	12HFA151A2H	287-108E		Y	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	HFA
GE	HFA-3NC	12HFA51A42H	287-108B		Y	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	HFA
GE	HFA-3NC	12HFA51A42H	181Y-DG3		Y	NO/NC	12E-3346-1, R/AL	2253-10	DG 3	517'-6"	HFA
GE	HFA-1NC	12HFA151A2F	127-B34-1X1	11	Y	NO	12E-3520 R/V	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	HFA
GE	HFA-1NC	12HFA151A2F	127B34-1X2	11	Y	NC	12E-3429-2 R/V	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	HFA
GE	HFA	12HFA151A2F	127-B34-1X2	11	Y	NO	12E-3516 R/F	4KV SWGR 34-1 (14)	RB-N/48	545'-6"	HFA
GE	HFA	12HFA151A2F	127-B34-1X2	11	Y	NO	12E-3516 R/F	4KV SWGR 34-1 (3)	RB-N/48	545'-6"	HFA
GE	HFA-6NO	12HFA151A9F	590-114A		N	NO	12E-3465-1 R/X	903-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114C		N	NO	12E-3465-1 R/X	903-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114A		N	NO	12E-3465-1 R/X	903-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114A	14	N	NO	12E-3465-1 R/X	903-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114C	14	N	NO	12E-3465-1 R/X	903-15	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114D		N	NO	12E-3466-1 R/Z	903-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114B		N	NO	12E-3466-1 R/Z	903-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114B		N	NO	12E-2466-1 R/Z	903-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114B	14	N	NO	12E-3466-1 R/Z	903-17	MCR	534'-0"	HFA
GE	HFA-6NO	12HFA151A9F	590-114D	14	N	NO	12E-3466-1 R/Z	903-17	MCR	534'-0"	HFA
GE	12HFA151	12HFA151A2H	1530-106		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1430-114A		N	NO	12E-3429-1 R/U	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1430-102B		Y	NO	12E-3430-2 R/AN	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-129	6B	Y	NC	12E-3440-1 R/Y	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-120		Y	NC	12E-3440-2 R/X	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		Y	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-106		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		Y	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		Y	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-102		Y	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-1NC	12HFA151A2H	1530-127		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-127		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	1530-116		N	NO	12E-3436-2 R/P	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-102A		N	NO	12E-3430-1 R/AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A				12E-3430-1 R/AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109				12E-3430-1 R/AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107A		N	NO	12E-3430-1 R/AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A		N	NO	12E-3430-2 R/AN	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3430-1 R/AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107A		N	NO	12E-3430-1 R/BD	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-3462-2 R/AA	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-3462-2 R/AA	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-3462-2 R/AA	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B		N	NO	12E-3462-1 R/AC	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-3462-2 R/AA	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B		N	NO	12E-3462-1 R/AC	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101B		N	NO	12E-3462-1 R/AC	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-101A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102A		N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	1430-106A	6B	N	NO	12E-3461-1 R/AL	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	287-102B		N	NO	12E-3462-1 R/AC	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104A		N	NO	12E-3430-2, R/ AN	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-108		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105A		N	NO	12E-3430-2, R/ AN	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106A		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-3437A R/S	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-3437A R/S	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-112		N	NO	12E-3436-1 R/P	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3438-1 R/AF	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-3438-1 R/AF	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-109		N	NO	12E-3438-1 R/AF	903-32	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-150		N	NO	12E-3438-1 R/AF	903-32	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1430-114B		N	NO	12E-3429-2 R/V	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-229	6B	Y	NC	12E-3440-1 R/Y	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-220		Y	NC	12E-3440-2 R/X	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-206		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		Y	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-206		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		Y	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	1530-227		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1430-112B		N	NO	12E-3346-2, R/ AL	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-3430-1 R/AP	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3430-2 R/AN	903-33	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	1430-107B		N	NO	12E-3430-1 R/AP	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-3430-1 R/AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3430-2 R/AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-107B		N	NO	12E-3430-2 R/AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-3462-2 R/AA	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-3462-1 R/AA	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-3462-2 R/AA	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-3462-2 R/AA	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B	6B	N	NO	12E-3462-2 R/AA	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-104B		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-208		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-105B		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-106B		N	NO	12E-3430-2 , R/ AN	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1430-108B		N	NO	12E-3350B, R/ AK	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-3437A R/S	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-3437A R/S	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3437-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-3437-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3437-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-3437-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-212		N	NO	12E-3436-3 R/Q	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-202		Y	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-202		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-216		N	NO	12E-3436-4 R/Q	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-202		Y	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-209		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-250		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	1530-202		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101A		N	NO	12E-3527-1 R/AH	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-3527-1 R/AH	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-3527-1 R/AH	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-125A		N	NO	12E-3529 R/AE	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-125A		N	NO	12E-3529 R/AE	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-3528-1 R/AD	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101A		N	NO	12E-3527-1 R/AH	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-101C		N	NO	12E-3527-1 R/AH	903-33	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A9H	2330-102A		N	NO	12E-3527-1 R/AH	903-33	AEER	517'-6"	HFA
GE	HFA-1NC	12HFA151A2H	2330-111		N	NO	12E-3529 R/AE	903-39	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	2330-119		N	NO	12E-3529 R/AE	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NC	12E-3527-3 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NO	12E-3529 R/AE	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NO	12E-3529 R/AE	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-150		Y	NC	12E-3530 R/Q	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-150		Y	NC	12E-3530 R/Q	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-125B		N	NC	12E-3527-3 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		Y	NO	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-3NC	12HFA151A2H	2330-129A		N	NC	12E-3527A R/F	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-3527-1 R/AH	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-3527-1 R/AH	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-3527-1 R/AH	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-103		N	NO	12E-3527-3 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-108		N	NO	12E-3527-3 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-106		N	NO	12E-3530 R/Q	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-107		N	NO	12E-3530 R/Q	903-39	AEER	517'-6"	HFA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-6NO	12HFA151A2H	2330-151		N	NO	12E-3530 R/Q	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-151		N	NO	12E-3530 R/Q	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101B		N	NO	12E-3527-1 R/AH	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-101D		N	NO	12E-3527-1 R/AH	903-39	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	2330-102B		N	NO	12E-3527-1 R/AH	903-39	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-185		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-192		N	NO	12E-3441-4 R/T	903-46	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-195		N	NO	12E-3441A R/U	903-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-194		N	NO	12E-3441-3 R/S	903-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-193		N	NO	12E-3441A R/U	903-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-194		N	NO	12E-3441-4 R/T	903-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-190		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-190		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-285		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-292		N	NO	12E-3441-4 R/T	903-47	AEER	517'-6"	HFA
GE	HFA-2NC	12HFA151A2H	1530-295		N	NO	12E-3441A R/U	903-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-294		N	NO	12E-3441-3 R/S	903-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-293		N	NO	12E-3441A R/U	903-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-294		N	NO	12E-3441-4 R/T	903-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-290		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HFA
GE	HFA-6NO	12HFA151A2H	1530-290		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HFA
GE		12HFA151A2H	CR39B		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	HFA
GE		12HFA151A2H	CR39B		N	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	HFA
GE	HFA	12HFA151A2H	CR39B		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	HFA

Equipment Data

	Non-operate NO/NC	Operate NO/NC
HGA11 (AC)	10g/NR (6g ZPA)	10g (6g ZPA)
HGA11 (DC)	8.8g/NR (3.52g ZPA)	4.4g/10g (1.76/4g ZPA)
HGA111(AC)	6.3g/NR (2.52g ZPA)	10g (4g ZPA)
HGA111(DC)	8.8g/NR (3.52g ZPA)	4.4g/10g (1.76/4g ZPA)

Ref. GERS-RLY-ARH.5

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

Relays in the following cabinets can be screened by this method

NO Only
902-46, 902-47, 2223-33, 902-32, 902-33, 902-39, 902-4 (DC Only)
903-32, 903-46, 903-47, 903-39, 903-33
Energized NO/NC AC Relay
DG 2/3 Aux Control Panel
NO Contact, DC, De-Energized
2203-32

Relays in the following cabinets can not be screened via this method:
NO contact , DC, Energized,
2203-32, SWGR 23-1, 24-1, 33-1, 34-1

Prepared By: J. Huse 5/10/96

Reviewed By: 5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HGA	12HGA111A2F	RT-DG2/3		N	NO	12E-3345-1, R/AP	2223-33	DG 2/3	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-114A		Y	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-114B		Y	NO	12E-2461-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-114C		Y	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-114D		Y	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-2462-1 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-114E		Y	NO	12E-2462-2 R/AW	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1430-103A		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1430-127A		N	NO	12E-2430-1, R/ BD	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1430-103A		N	NO	12E-2430-2, R/ BD	902-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1430-103B		N	NO	12E-2430-1, R/ BD	902-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1430-103B		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1430-127B		N	NO	12E-2430-2, R/ BD	902-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-2528 R/AS	902-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-137		N	NO	12E-2532 R/AB	902-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1020-101A/A		N	NO	12E-2516 R/K	902-4	MCR	534'-0"	HGA
GE	HGA	12HGA11J52G	1020-101B/A		N	NO	12E-2516 R/K	902-4	MCR	534'-0"	HGA
GE	HGA	12HGA11J52G	1020-101C/A		N	NO	12E-2516 R/K	902-4	MCR	534'-0"	HGA
GE	HGA	12HGA11J52	1530-188		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52	1530-184		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52	1530-188		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-181		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-180		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-175		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-174		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-181		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HGA	12HGA11J52G	1530-180		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-175		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-174		N	NO	12E-2437A R/Z	902-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52	1530-284		N	NO	12E-2437A R/Z	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-280		N	NO	12E-2437A R/Z	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-274		N	NO	12E-2437A R/Z	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-288		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-275		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-281		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-280		N	NO	12E-2437A R/Z	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-274		N	NO	12E-2437A R/Z	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-288		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-281		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-275		N	NO	12E-2438A R/AB	902-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1430-103A		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1430-127A		N	NO	12E-3430-1, R/ AP	903-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J70	127-WP		Y	NO/NC	12E-2351B-1, R/ AF	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J70	127-WP		N	NO/NC	12E-2351B-1, R/ AF	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J70	127VF		N	NO/NC	12E-2351B-2, R/ AM	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J70	127VF		Y	NO/NC	12E-2351B-2, R/ AM	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J70	127VF		N	NO/NC	12E-2351B-2, R/ AM	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J70	127VF		Y	NO/NC	12E-2351B-2, R/ AM	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J98	127 FO		N	NO/NC	12E-2351B-1, R/ AF	DG2/3 AUX CONT PNL	DG2/3		HGA
GE	HGA	12HGA11J98	127 FO		Y	NO/NC	12E-2351B-1, R/ AF	DG2/3 AUX CONT PNL	DG2/3		HGA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HGA		287-114A		N	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	HGA
GE	HGA		287-114A		N	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	HGA
GE	HGA		287-114B		N	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	HGA
GE	HGA		287-114C		N	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	HGA
GE	HGA		287-114D		N	NO	12E-3462- 3 R/AB	2203-32	RB-L/47	545'-6"	HGA
GE	HGA		287-114E		N	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	HGA
GE	HGA	12HGA11J52G	1430-103A		N	NO	12E-3430-2, R/ AN	903-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-101		N	NO	12E-3437-1 R/AD	903-32	AEER	517'-6"	HGA
GE	HGA	12HGA11J52	1530-201		Y	NC	12E-3662E R/B	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52	1530-201		Y	NC	12E-3662E R/B	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52	1530-201		N	NO	12E-3438-1 R/AF	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-3462-1 R/AC	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-3462-1 R/AC	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-3462-1 R/AA	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-3462-1 R/AC	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	287-108BB		N	NO	12E-3462-1 R/AC	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1430-127B		N	NO	12E-3430-2, R/ AN	903-33	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-124		N	NO	12E-3528-1 R/AD	903-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	2330-137		N	NO	12E-3532 R/S	903-39	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-188		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-181		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-180		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-175		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-174		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-184		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-188		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-181		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HGA	12HGA11J52G	1530-180		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-175		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-174		N	NO	12E-3437A R/S	903-46	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-280		N	NO	12E-3437A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-274		N	NO	12E-3437A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-288		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-275		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-281		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-284		N	NO	12E-3437A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-280		N	NO	12E-3437A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-274		N	NO	12E-3437A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-288		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-281		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HGA
GE	HGA	12HGA11J52G	1530-275		N	NO	12E-3438A R/S	903-47	AEER	517'-6"	HGA

Equipment Data
General Electric type IJD Relays
Capacity

	Non-operate NO/NC	Operate NO/NC
IJD52A, 53C	8.8/NA (3.52g ZPA)	15/NA (6g ZPA)

Ref. GERS-RLY-PP1.5

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

Relays in the following cabinets are can be screened by this method

SWGR 23, SWGR 24-1, SWGR 34, SWGR 24

Relays in the following cabinets can not be screened via this method:
None.

Prepared By: J. Hussi 5/10/96
Reviewed By: [illegible] 5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IJD	12IJD53C11A	87 /SI(A)		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87 /SI(B)		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-2344-1 R/U	4KV SWGR 23(2)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87 /SI(A)		N	NO	12E-2344-3 R/U	4KV SWGR 24 (12)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87 /SI(B)		N	NO	12E-2344-3 R/U	4KV SWGR 24 (12)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87 /SI(C)		N	NO	12E-2344-3 R/U	4KV SWGR 24 (12)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-2344-3 R/U	4KV SWGR 24(12)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-2344-3 R/U	4KV SWGR 24(12)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-2344-3 R/U	4KV SWGR 24(12)	TB-D/32	534'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-2346-1 R/AH	4KV SWGR 24-1(13)	RB-N/41	545'-6"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-2346-1 R/AH	4KV SWGR 24-1(13)	RB-N/41	545'-6"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-2346-1 R/AH	4KV SWGR 24-1(13)	RB-N/41	545'-6"	IJD

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-2346-1 R/AH	4KV SWGR 24-1 (13)	RB-N/41	545'-6"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-2346-1 R/AH	4KV SWGR 24-1 (13)	RB-N/41	545'-6"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-2346-1 R/AH	4KV SWGR 24-1 (13)	RB-N/41	545'-6"	IJD
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-3344-1 R/V	4KV SWGR 33 (10)	TB-D/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(C)		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(A)		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	IJD
GE	IJD	12IJD53C11A	87/SI(B)		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	IJD
GE	IJD-53C	12IJD53C11A	87/SI(C)		N	NO	12E-3344-3 R/T	4KV SWGR 34(3)	TB-E/55	538'-0"	IJD

Equipment Data
Instrument Switches
Operate During/Operate After

	NO/NC
Instrument Switches	3g (1g ZPA)

Note: To Use Operate After data, switches mus be one of listed types in GERS-PS.5
Ref. GERS-PS.5

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

Relays in the following cabinets can be screened by this method:
2202-5, 2202-6, 2202-29, 2202-7, 2202-8, 2203-5, 2203-6, 2203-7, 2203-8

Relays in the following cabinets can not be screened via this method:
2203-29

Prepared By: J. Hussa 5/10/96
Reviewed By: 5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
BARTON	FLOW	289	FS-2354				12E-2527 R/BA	2202-29	RB-N/44	476'-6"	IS
BARTON	FLOW	289	FS-2354				12E-2527 R/BA	2202-29	RB-N/44	476'-6"	IS
BARKSDALE	PRESS	B2T-M12SSGE	PS-263-52A				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS	B2T-M12SSGE	PS-263-52A				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SSGE	263-52A				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SSGE	263-52A				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS	B2T-M12SSGE	PS-263-52A				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS	B2T-M12SSGE	PS-263-52A				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS	B2T-M12SSGE	PS-263-52A				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
BARKSDALE	PRESS	B2T-M12SSGE	PS-263-52A				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-AA5	PS 1632C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-AA5	PS 1632C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-AA5	1632-C /PS				12E-2437-1, R/ AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-AA5	1632-A /PS				12E-2437-1, R/ AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-AA5	PS-1632A				12E-2437-1, R/ AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632C				12E-2437-1, R/ AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628A				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628B				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628A				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628B				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628A				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628B				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628A				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628B				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628A				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	PRESS	12N-K4	PS-1628B				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	IS
STATIC O	12N-K4	12N-K4	PS-1629B				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	12N-K4	12N-K4	PS-1629B				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	12N-K4	12N-K4	PS-1629B				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
STATIC O	12N-K4	12N-K4	PS-1629B				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	1632-B /PS				12E-2438-1, R/ AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632B				12E-2438-1, R/ AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-2462-2 R/AW	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632D				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632D				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	1632-D /PS				12E-2438-1, R/ AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632D				12E-2438-1, R/ AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632-D				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632-D				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632-D				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	IS
STATIC O	PRESS.S	12NN-AA5	PS-1632-D				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS-GE	263-111C				12E-2437A R/Z	2202-7	RB-K/39	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS-GE	263-111C				12E-2437A R/Z	2202-7	RB-K/39	517'-6"	IS
ITT	DIFF.IND.	SERIAL	261-34C				12E-2437A R/Z	2202-7	RB-K/39	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS-GE	263-111D				12E-2438A R/AB	2202-8	RB-K/43	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS-GE	263-111D				12E-2438A R/AB	2202-8	RB-K/43	517'-6"	IS
BARTON	DIFF.PRE	289A	261-34D				12E-2438A R/AB	2202-8	RB-K/43	517'-6"	IS
STATIC O	PRESS.S	12N-AA5	1632C /PS				12E-3437-1, R/ AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	1632A /PS				12E-3437-1, R/ AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	1632D /PS				12E-3438-1, R/ AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	1632B /PS				12E-3438-1, R/ AF	2203-6	RB-K/49	545'-6"	IS

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
BARKSDALE	PRESS.S	B2T-M12SS GE	PS-263-52A				12E-3430-1 R/AP	2203-5	RB-M/47	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS GE	PS-263-52A				12E-3430-1 R/BD	2203-5	RB-M/47	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS GE	263-52A				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS GE	263-52A				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS GE	PS-263-52A				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS GE	PS-263-52A				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS GE	PS-263-52A				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS GE	PS-263-52A				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS 1632C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS 1632C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632A				12E-3437-1, R/ AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632C				12E-3437-1, R/ AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628A				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628B				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628A				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628B				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628A				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628B				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628A				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628B				12E-3461-1 R/AC	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628A				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1628B				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632D				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632D				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632D				12E-3438-1 , R/ F	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-D				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	IS

SQUG RELAY SCREENING AND EVALUATION

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
STATIC O	PRESS.S	12N-AA5	PS-1632-D				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-D				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5	PS-1632-D				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-AA5-N4-B1A	PS-1632B				12E-3438-1, R/ AF	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629B				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629B				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629B				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629B				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629A				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
STATIC O	PRESS.S	12N-K4	PS-1629B				12E-3462-2 R/AA	2203-6	RB-K/49	545'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS-TC	263-111C				12E-3437A R/S	2203-7	RB-K/45	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS-TC	263-111C				12E-3437A R/S	2203-7	RB-K/45	517'-6"	IS
ITT BARTON	PRESS.IN	289A-6171	261-34C				12E-3437A R/S	2203-7	RB-K/45	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS -YC	263-111D				12E-3438A R/S	2203-8	RB-K/49	517'-6"	IS
BARKSDALE	PRESS.S	B2T-M12SS -YC	263-111D				12E-3438A R/S	2203-8	RB-K/49	517'-6"	IS
ITT BARTON	PRESS.IN	289A-7043	261-34D				12E-3438A R/S	2203-8	RB-K/49	517'-6"	IS

Equipment Data
Motor Control Center
Function During - 1.5g PSA, 1g ZPA
Function After - 2.5g PSA, 2g ZPA
Ref. GERS-MCC.9

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

All motor control centers at TB elevation 517'-6", in the control room area, and below RB elevation 570' can be screened for function during. All elevations can be screened for function after.

As 250 VDC MCCs 2A, 2B, 3A, and 3B are required to operate during the proposed event, they cannot be screened by this method.

Prepared By: 5/10/96
Reviewed By: 5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HTR		OL	4			12E-2351B-1, R/ AF	MCC 28-1 (F1)	RB-L/38	517'-6"	MCC
GE	NEMA	CR106C0	M				12E-2351B-1, R/ AF	MCC 28-1 (F1)	RB-L/38	517'-6"	MCC
GE		CR124C028	OL				12E-2393 R/X	MCC 28-1 (F3)	RB-L/38	517'-6"	MCC
GE	NEMA	CR106C0	M				12E-2393 R/X	MCC 28-1 (F3)	RB-L/38	517'-6"	MCC
			M/A				12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	MCC
			OL				12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	MCC
			M/A				12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	MCC
			OL				12E-2351B-2, R/ AM	MCC 28-1 (G3)	RB-L/38	517'-6"	MCC
		CR124K028	OL	4			12E-2440-1 R/AC	MCC 28-1 (H3)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	O				12E-2440-1 R/AC	MCC 28-1 (H3)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	C				12E-2440-1 R/AC	MCC 28-1 (H3)	RB-L/38	517'-6"	MCC
			MC				12E-2440-1 R/AB	MCC 28-1 (K1)	RB-L/38	517'-6"	MCC
			MC				12E-2440-1 R/AB	MCC 28-1 (K2)	RB-L/38	517'-6"	MCC
			OL				12E-2440-3 R/AC	MCC 28-1 (K3)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MO	6B			12E-2440-3 R/AC	MCC 28-1 (K3)	RB-L/38	517'-6"	MCC
		CR124K028	OL	4			12E-2441-1 R/Y	MCC 28-1 (L1)	RB-L/38	517'-6"	MCC
GE	NEMA	CR309D0**AAEA	MO				12E-2441-1 R/Y	MCC 28-1 (L1)	RB-L/38	517'-6"	MCC
GE	NEMA	CR309D0**AAEA	MC				12E-2441-1 R/Y	MCC 28-1 (L1)	RB-L/38	517'-6"	MCC
		CR124K028	OL	4			12E-2441-2 R/Z	MCC 28-1 (L2)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MO				12E-2441-2 R/Z	MCC 28-1 (L2)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MC				12E-2441-2 R/Z	MCC 28-1 (L2)	RB-L/38	517'-6"	MCC
			OL				12E-2441-1 R/Y	MCC 28-1 (L3)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MO				12E-2441-1 R/Y	MCC 28-1 (L3)	RB-L/38	517'-6"	MCC
		CR124K028	OL				12E-2440-3 R/AC	MCC 28-1 (M3)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MO				12E-2440-3 R/AC	MCC 28-1 (M3)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MC				12E-2440-3 R/AC	MCC 28-1 (M3)	RB-L/38	517'-6"	MCC
		CR124K028	OL				12E-2440-2 R/AC	MCC 28-1 (N1)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MO				12E-2440-2 R/AC	MCC 28-1 (N1)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MC				12E-2440-2 R/AC	MCC 28-1 (N1)	RB-L/38	517'-6"	MCC
		CR124K028	OL	4			12E-2440-2 R/AC	MCC 28-1 (N2)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MO				12E-2440-2 R/AC	MCC 28-1 (N2)	RB-L/38	517'-6"	MCC
GE	NEMA	CR109C0	MC				12E-2440-2 R/AC	MCC 28-1 (N2)	RB-L/38	517'-6"	MCC
GE		C526A	OL	4			12E-2675A R/AH	MCC 28-2 (B2)	TB-G/36	538'-0"	MCC

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TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	NEMA	CR106C000BWA	M				12E-2675A R/AH	MCC 28-2 (B2)	TB-G/36	538'-0"	MCC
GE		CR106C000BWA	M				12E-2675C R/AA	MCC 28-2 (E2)	TB-G/36	538'-0"	MCC
GE		CR124C028	OL	4			12E-2675C R/AA	MCC 28-2 (E2)	TB-G/36	538'-0"	MCC
GE		CR124C028	OL	4			12E-2675C R/AA	MCC 28-2 (F1)	TB-G/36	538'-0"	MCC
GE	NEMA	CR106C000BWA	M				12E-2675C R/AA	MCC 28-2 (F1)	TB-G/36	538'-0"	MCC
GE		C526A	OL	4			12E-2675C R/AA	MCC 28-2 (F3)	TB-G/36	538'-0"	MCC
GE	NEMA	CR106C000BWA	M				12E-2675C R/AA	MCC 28-2 (F3)	TB-G/36	538'-0"	MCC
			OL				12E-2351B-1, R/ AF	MCC 28-3 (D1)	TB-G/36	538'-0"	MCC
GE	NEMA	CR206F0	M				12E-2676B, R/ AA	MCC 28-3 (D1)	TB-G/36	538'-0"	MCC
		CR124L028	OL	4			12E-2441-4 R/AA	MCC 28-7 (B3)	RB-N/40	517'-6"	MCC
GE	NEMA	CR309D0** AAEA	MO				12E-2441-4 R/AA	MCC 28-7 (B3)	RB-N/40	517'-6"	MCC
GE	NEMA	CR309D0** AAEA	MC				12E-2441-4 R/AA	MCC 28-7 (B3)	RB-N/40	517'-6"	MCC
			OL	4			12E-2420A R/W	MCC 28-7 (B4)	RB-N/40	517'-6"	MCC
			MO				12E-2420A R/W	MCC 28-7 (B4)	RB-N/40	517'-6"	MCC
			MC				12E-2420A R/W	MCC 28-7 (B4)	RB-N/40	517'-6"	MCC
		CR124L028	OL	4			12E-2420A R/W	MCC 28-7 (C2)	RB-N/40	517'-6"	MCC
GE	NEMA	CR309D0**AAEA	MO				12E-2420A R/W	MCC 28-7 (C2)	RB-N/40	517'-6"	MCC
GE	NEMA	CR309D0**AAEA	MC				12E-2420A R/W	MCC 28-7 (C2)	RB-N/40	517'-6"	MCC
			MO				12E-2420A R/W	MCC 28-7 (C3)	RB-N/40	517'-6"	MCC
GE	NEMA	CR106F0	MC				12E-2441-1 R/Y	MCC 28-7 (D2)	RB-N/40	517'-6"	MCC
		CR124F028	OL	4			12E-2441-2 R/Z	MCC 29-1 (B2)	RB-L/44	517'-6"	MCC
GE	NEMA	CR106E0	MO				12E-2441-2 R/Z	MCC 29-1 (B2)	RB-L/44	517'-6"	MCC
GE	NEMA	CR106E0	MC				12E-2441-2 R/Z	MCC 29-1 (B2)	RB-L/44	517'-6"	MCC
GE	NEMA	CR109C0	O				12E-2529-2 R/AJ	MCC 29-1 (D1)	RB-L/44	517'-6"	MCC
GE	NEMA	CR109C0	C				12E-2529-2 R/AJ	MCC 29-1 (D1)	RB-L/44	517'-6"	MCC
			OL				12E-2440-3 R/AC	MCC 29-1 (D4)	RB-L/44	517'-6"	MCC
GE	NEMA	CR109C0	MO	6B			12E-2440-3 R/AC	MCC 29-1 (D4)	RB-L/44	517'-6"	MCC
			OL				12E-2350B-1, R/Z	MCC 29-2 (A2)	TB-D/32	517'-6"	MCC
GE	NEMA	CR206F0	M				12E-2678A, R/K	MCC 29-2 (A2)	TB-D/32	517'-6"	MCC
GE	RLY	D1002	CR		N	NO	12E-2350B-1, R/Z	MCC 29-2 (A2)	TB-D/32	517'-6"	MCC
GE		CR124C028	OL	4			12E-2350B-1, R/Z	MCC 29-2 (B2)	TB-D/32	517'-6"	MCC
GE	NEMA	CR106C0	M				12E-2350B-1, R/Z	MCC 29-2 (B2)	TB-D/32	517'-6"	MCC
GE		CR124C028	OL	4			12E-2678C R/F	MCC 29-2 (D1)	TB-D/32	517'-6"	MCC

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	NEMA	CR106C000BWA	M				12E-2678C R/F	MCC 29-2 (D1)	TB-D/32	517'-6"	MCC
GE		CR106C000BWA	M				12E-2678C R/F	MCC 29-2 (D2)	TB-D/32	517'-6"	MCC
GE		CR124C028	OL	4			12E-2678C R/F	MCC 29-2 (D2)	TB-D/32	517'-6"	MCC
GE		CR124	OL	4			12E-2678C R/F	MCC 29-2 (D3)	TB-D/32	517'-6"	MCC
GE	NEMA	CR106C000BWA	M				12E-2678C R/F	MCC 29-2 (D3)	TB-D/32	517'-6"	MCC
GE		CR124C028	OL	4			12E-2678C R/F	MCC 29-2 (D4)	TB-D/32	517'-6"	MCC
GE	NEMA	CR106C000BWA	M				12E-2678C R/F	MCC 29-2 (D4)	TB-D/32	517'-6"	MCC
			M/B		Y	NC	12E-2350B-1, R/Z	MCC 29-2 (D5)	TB-D/32	517'-6"	MCC
GE	NEMA	CR106C0	M				12E-2350B-1, R/Z	MCC 29-2 (D5)	TB-D/32	517'-6"	MCC
GE	NEMA	CR106C0	M				12E-2350B-1, R/Z	MCC 29-2 (D5)	TB-D/32	517'-6"	MCC
GE	RLY	CR281A	CR		N	NO	12E-2350B-1, R/Z	MCC 29-2 (D5)	TB-D/32	517'-6"	MCC
GE	RLY	CR281A	CR		N	NO	12E-2350B-1, R/Z	MCC 29-2 (D5)	TB-D/32	517'-6"	MCC
			MC				12E-2440-1 R/AB	MCC 29-4 (A3)	RB-M/44	517'-6"	MCC
			MC				12E-2440-1 R/AB	MCC 29-4 (A4)	RB-M/44	517'-6"	MCC
			MO				12E-2441-1 R/Y	MCC 29-4 (B1)	RB-M/44	517'-6"	MCC
			MC				12E-2441-1 R/Y	MCC 29-4 (B1)	RB-M/44	517'-6"	MCC
			OL	4			12E-2441-1 R/Y	MCC 29-4 (B1)	RB-M/44	517'-6"	MCC
			OL				12E-2441-1 R/Y	MCC 29-4 (B3)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109CO	MO				12E-2441-1 R/Y	MCC 29-4 (B3)	RB-M/44	517'-6"	MCC
GE		CR124K028	OL	4			12E-2440-1 R/AC	MCC 29-4 (C2)	RB-M/44	517'-6"	MCC
GE	AUX	CR105X	O				12E-2440-1 R/AC	MCC 29-4 (C2)	RB-M/44	517'-6"	MCC
GE	AUX	CR105X	C				12E-2440-1 R/AC	MCC 29-4 (C2)	RB-M/44	517'-6"	MCC
GE		CR124K028	OL	4			12E-2440-3 R/AC	MCC 29-4 (C3)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109C0	MO				12E-2440-3 R/AC	MCC 29-4 (C3)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109C0	MC				12E-2440-3 R/AC	MCC 29-4 (C3)	RB-M/44	517'-6"	MCC
GE		CR124K028	OL	4			12E-2440-2 R/AC	MCC 29-4 (C4)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109CO	MO				12E-2440-2 R/AC	MCC 29-4 (C4)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109CO	MC				12E-2440-2 R/AC	MCC 29-4 (C4)	RB-M/44	517'-6"	MCC
			OL				12E-2531 R/AG	MCC 29-4 (D2)	RB-M/44	517'-6"	MCC
GE	NEMA	CR106D0	M				12E-2531 R/AG	MCC 29-4 (D2)	RB-M/44	517'-6"	MCC
			M				12E-2393 R/X	MCC 29-4 (D3)	RB-M/44	517'-6"	MCC
GE		CR305X100B	OL				12E-2393 R/X	MCC 29-4 (D3)	RB-M/44	517'-6"	MCC
			M				12E-2393 R/X	MCC 29-4 (D4)	RB-M/44	517'-6"	MCC

SQUG RELAY SCREENING AND EVALUATION

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DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE		CR124C028	OL				12E-2393 R/X	MCC 29-4 (D4)	RB-M/44	517'-6"	MCC
GE		CR124K028	OL	4			12E-2440-2 R/AC	MCC 29-4 (E4)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109CO	MO				12E-2440-2 R/AC	MCC 29-4 (E4)	RB-M/44	517'-6"	MCC
GE	NEMA	CR109CO	MC				12E-2440-2 R/AC	MCC 29-4 (E4)	RB-M/44	517'-6"	MCC
GE	NEMA	CR106F0	MC				12E-2441-1 R/Y	MCC 29-7 (A3)	RB-N/42	517'-6"	MCC
GE	NEMA	CR309D0**AAEA	MO				12E-2441A R/Z	MCC 29-7 (C3)	RB-N/42	517'-6"	MCC
GE		CR306G0**AAN	M29		N	NO/NC	12E-2662D R/Z	MCC 29-7 (D1)	RB-N/42	517'-6"	MCC
GE		CR306G0**AAN	M29		N	NO	12E-2662D R/Z	MCC 29-7 (D1)	RB-N/42	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
			42/BFB				12E-6811B, R/B	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
			49	4			12E-6811B, R/B	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (B2)	TB-D/33	517'-6"	MCC
			49	4			12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
			49	4			12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M17 81E0000	42				12E-6811A, R/5	MCC 29-8 (C1)	TB-D/33	517'-6"	MCC
			49X		Y	NO	12E-6811J, R/3	MCC 29-8 (D1)	TB-D/33	517'-6"	MCC
			42X				12E-6811D, R/6	MCC 29-8 (D1)	TB-D/33	517'-6"	MCC
WEST.		AABA-170	49				12E-6811D, R/6	MCC 29-8 (D1)	TB-D/33	517'-6"	MCC
WEST.	GCA 530	2050A1SG	42				12E-6811D, R/6	MCC 29-8 (D1)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			42X				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			49	4			12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
WEST	NEMA	A200M47 80E8599	42				12E-6811A, R/5	MCC 29-8 (D2)	TB-D/33	517'-6"	MCC
			OL	4			12E-2351B-1, R/ AF	MCC 38-1 (C2)	RB-L/44	517'-6"	MCC
			M				12E-3674B, R/ Y	MCC 38-1 (C2)	RB-L/44	517'-6"	MCC
			M/A				12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			OL				12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			CR3		N	NO	12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			CR3		Y	NO	12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			M/A				12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			OL				12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			CR3		N	NO	12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			CR3		Y	NO	12E-2351B-2, R/ AM	MCC 38-1 (C4)	RB-L/44	517'-6"	MCC
			M				12E-3676B R/ AA	MCC 38-3 (C4)	TB-G/52	538'-0"	MCC
			OL				12E-2351B-1, R/ AF	MCC 38-3 (C4)	TB-G/52	538'-0"	MCC

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			OL	4			12E-3530 R/Q	250VDC MCC 3B (O02)	RB-N/47	570'-0"	MCC
			OL	4			12E-3530 R/Q	250VDC MCC 3B (P01)	RB-N/47	570'-0"	MCC
			OL	4			12E-3529 R/AE	250VDC MCC 3B (P02)	RB-N/47	570'-0"	MCC
			M				12E-3393 R/N	MCC 38-1 (C1)	RB-L/44	517'-6"	MCC
			OL				12E-3393 R/N	MCC 38-1 (C1)	RB-L/44	517'-6"	MCC
			OL	4			12E-3440-1 R/Y	MCC 38-1 (E3)	RB-L/44	517'-6"	MCC
			O				12E-3440-1 R/Y	MCC 38-1 (E3)	RB-L/44	517'-6"	MCC
			C				12E-3440-1 R/Y	MCC 38-1 (E3)	RB-L/44	517'-6"	MCC
			MO	6B			12E-3440-3 R/W	MCC 38-1 (H3)	RB-L/44	517'-6"	MCC
			OL				12E-3440-3 R/W	MCC 38-1 (H3)	RB-L/44	517'-6"	MCC
			OL	4			12E-3676B R/T	MCC 38-3 (D1)	TB-G/52	538'-0"	MCC
			M				12E-3676B R/T	MCC 38-3 (D1)	TB-G/52	538'-0"	MCC
			OL	4			12E-3676B R/T	MCC 38-3 (D2)	TB-G/52	538'-0"	MCC
			M				12E-3676B R/T	MCC 38-3 (D2)	TB-G/52	538'-0"	MCC
			OL	4			12E-3676B R/T	MCC 38-3 (D3)	TB-G/52	538'-0"	MCC
			M				12E-3676B R/T	MCC 38-3 (D3)	TB-G/52	538'-0"	MCC
			OL	4			12E-3676B R/T	MCC 38-3 (D4)	TB-G/52	538'-0"	MCC
			M				12E-3676B R/T	MCC 38-3 (D4)	TB-G/52	538'-0"	MCC
			MC				12E-3440-1 R/Y	MCC 38-4 (A3)	RB-M/44	517'-6"	MCC
			MC				12E-3440-1 R/Y	MCC 38-4 (A4)	RB-M/44	517'-6"	MCC
			MO				12E-3441-1 R/Q	MCC 38-4 (B1)	RB-M/44	517'-6"	MCC
			MC				12E-3441-1 R/Q	MCC 38-4 (B1)	RB-M/44	517'-6"	MCC
			OL	4			12E-3441-1 R/Q	MCC 38-4 (B1)	RB-M/44	517'-6"	MCC
			MO				12E-3441-2 R/R	MCC 38-4 (B2)	RB-M/44	517'-6"	MCC
			MC				12E-3441-2 R/R	MCC 38-4 (B2)	RB-M/44	517'-6"	MCC
			OL	4			12E-3441-2 R/R	MCC 38-4 (B2)	RB-M/44	517'-6"	MCC
			MO				12E-3441-1 R/Q	MCC 38-4 (B3)	RB-M/44	517'-6"	MCC
			OL				12E-3441-1 R/Q	MCC 38-4 (B3)	RB-M/44	517'-6"	MCC
			MO				12E-3440-3 R/W	MCC 38-4 (C3)	RB-M/44	517'-6"	MCC
			MC				12E-3440-3 R/W	MCC 38-4 (C3)	RB-M/44	517'-6"	MCC

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			OL	4			12E-3440-3 R/W	MCC 38-4 (C3)	RB-M/44	517'-6"	MCC
			MO				12E-3440-2 R/X	MCC 38-4 (E2)	RB-M/44	517'-6"	MCC
			MC				12E-3440-2 R/X	MCC 38-4 (E2)	RB-M/44	517'-6"	MCC
			OL				12E-3440-2 R/X	MCC 38-4 (E2)	RB-M/44	517'-6"	MCC
			MO				12E-3440-2 R/X	MCC 38-4 (E4)	RB-M/44	517'-6"	MCC
			MC				12E-3440-2 R/X	MCC 38-4 (E4)	RB-M/44	517'-6"	MCC
			OL	4			12E-3440-2 R/X	MCC 38-4 (E4)	RB-M/44	517'-6"	MCC
			MO				12E-3441-4 R/T	MCC 38-7 (A2)	RB-N/46	517'-6"	MCC
			MC				12E-3441-4 R/T	MCC 38-7 (A2)	RB-N/46	517'-6"	MCC
	OL RLY	CR124L028	OL	4			12E-3441-4 R/T	MCC 38-7 (A2)	RB-N/46	517'-6"	MCC
			OL	4			12E-3420A R/T	MCC 38-7 (B2)	RB-N/46	517'-6"	MCC
			MO				12E-3420A R/T	MCC 38-7 (B2)	RB-N/46	517'-6"	MCC
			MC				12E-3420A R/T	MCC 38-7 (B2)	RB-N/46	517'-6"	MCC
			MC				12E-3662B R/F	MCC 38-7 (C3)	RB-N/46	517'-6"	MCC
			CR-R		N	NO	12E-3662B R/F	MCC 38-7 (C3)	RB-N/46	517'-6"	MCC
			OL				12E-3531 R/X	MCC 39-1 (A1)	RB-L/50	517'-6"	MCC
			M1				12E-3531 R/X	MCC 39-1 (A1)	RB-L/50	517'-6"	MCC
			OL				12E-3393 R/N	MCC 39-1 (B1)	RB-L/50	517'-6"	MCC
			M				12E-3393 R/N	MCC 39-1 (B1)	RB-L/50	517'-6"	MCC
			OL	4			12E-3440-1 R/Y	MCC 39-1 (E2)	RB-L/50	517'-6"	MCC
			O				12E-3440-1 R/Y	MCC 39-1 (E2)	RB-L/50	517'-6"	MCC
			C				12E-3440-1 R/Y	MCC 39-1 (E2)	RB-L/50	517'-6"	MCC
			M				12E-3393 R/N	MCC 39-1 (F1)	RB-L/50	517'-6"	MCC
			OL				12E-3393 R/N	MCC 39-1 (F1)	RB-L/50	517'-6"	MCC
			MC				12E-3440-1 R/Y	MCC 39-1 (K1)	RB-L/50	517'-6"	MCC
			MC				12E-3440-1 R/Y	MCC 39-1 (K2)	RB-L/50	517'-6"	MCC
			MO	6B			12E-3440-3 R/W	MCC 39-1 (K3)	RB-L/50	517'-6"	MCC
			OL				12E-3440-3 R/W	MCC 39-1 (K3)	RB-L/50	517'-6"	MCC
			MO				12E-3441-1 R/Q	MCC 39-1 (L1)	RB-L/50	517'-6"	MCC
			MC				12E-3441-1 R/Q	MCC 39-1 (L1)	RB-L/50	517'-6"	MCC

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			OL	4			12E-3441-1 R/Q	MCC 39-1 (L1)	RB-L/50	517'-6"	MCC
			MO				12E-3441-2 R/R	MCC 39-1 (L2)	RB-L/50	517'-6"	MCC
			MC				12E-3441-2 R/R	MCC 39-1 (L2)	RB-L/50	517'-6"	MCC
			OL	4			12E-3441-2 R/R	MCC 39-1 (L2)	RB-L/50	517'-6"	MCC
			MO				12E-3441-1 R/Q	MCC 39-1 (L3)	RB-L/50	517'-6"	MCC
			OL				12E-3441-1 R/Q	MCC 39-1 (L3)	RB-L/50	517'-6"	MCC
			MO				12E-3440-2 R/X	MCC 39-1 (N1)	RB-L/50	517'-6"	MCC
			MC				12E-3440-2 R/X	MCC 39-1 (N1)	RB-L/50	517'-6"	MCC
			OL	4			12E-3440-2 R/X	MCC 39-1 (N1)	RB-L/50	517'-6"	MCC
			MO				12E-3440-2 R/X	MCC 39-1 (N2)	RB-L/50	517'-6"	MCC
			MC				12E-3440-2 R/X	MCC 39-1 (N2)	RB-L/50	517'-6"	MCC
			OL	4			12E-3440-2 R/X	MCC 39-1 (N2)	RB-L/50	517'-6"	MCC
			MO				12E-3440-3 R/W	MCC 39-1 (P4)	RB-L/50	517'-6"	MCC
			MC				12E-3440-3 R/W	MCC 39-1 (P4)	RB-L/50	517'-6"	MCC
			OL	4			12E-3440-3 R/W	MCC 39-1 (P4)	RB-L/50	517'-6"	MCC
			O				12E-3529 R/AE	MCC 39-1 (P5)	RB-L/50	517'-6"	MCC
			C				12E-3529 R/AE	MCC 39-1 (P5)	RB-L/50	517'-6"	MCC
			OL	4			12E-3678A R/U	MCC 39-2 (A3)	TB-G/45	534'-0"	MCC
			M				12E-3678A R/U	MCC 39-2 (A3)	TB-G/45	534'-0"	MCC
			OL	4			12E-3678A R/U	MCC 39-2 (B2)	TB-G/45	534'-0"	MCC
			M				12E-3678A R/U	MCC 39-2 (B2)	TB-G/45	534'-0"	MCC
			OL				12E-3350B, R/AK	MCC 39-2 (C2)	TB-G/45	534'-0"	MCC
			CR		N	NO	12E-3350B, R/AK	MCC 39-2 (C2)	TB-G/45	534'-0"	MCC
			M				12E-3678A, R/Z	MCC 39-2 (C2)	TB-G/45	534'-0"	MCC
			OL	4			12E-3678B R/Z	MCC 39-2 (D4)	TB-G/45	534'-0"	MCC
			M				12E-3678B R/Z	MCC 39-2 (D4)	TB-G/45	534'-0"	MCC
			OL	4			12E-3678B R/Z	MCC 39-2 (D5)	TB-G/45	534'-0"	MCC
			M				12E-3678B R/Z	MCC 39-2 (D5)	TB-G/45	534'-0"	MCC
			OL	4			12E-3350B, R/AK	MCC 39-2 (E1)	TB-G/45	534'-0"	MCC
			M				12E-3350B, R/AK	MCC 39-2 (E1)	TB-G/45	534'-0"	MCC

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			M				12E-3350B, R/AK	MCC 39-2 (E3)	TB-G/45	534'-0"	MCC
			CR		N	NO	12E-3350B, R/AK	MCC 39-2 (E3)	TB-G/45	534'-0"	MCC
			CR		N	NO	12E-3350B, R/AK	MCC 39-2 (E3)	TB-G/45	534'-0"	MCC
			M/A				12E-3350B, R/AK	MCC 39-2 (E3)	TB-G/45	534'-0"	MCC
			MC				12E-3662C R/V	MCC 39-7 (A3)	RB-N/48	517'-6"	MCC
			CR-R		N	NO	12E-3662C R/V	MCC 39-7 (A3)	RB-N/48	517'-6"	MCC
			CR 3971		Y	NC	12E-3374 R/U	MCC 39-7 (C1)	RB-N/48	517'-6"	MCC
			CR 3971		N	NC	12E-3374 R/U	MCC 39-7 (C1)	RB-N/48	517'-6"	MCC
GE		CR306G004AAN	M39		N	NO/NC	12E-3374 R/U	MCC 39-7 (C1)	RB-N/48	517'-6"	MCC
GE		CR306G004AAN	M39		N	NO	12E-3662D R/AC	MCC 39-7 (C1)	RB-N/48	517'-6"	MCC
			MO				12E-3441A R/U	MCC 39-7 (C2)	RB-N/48	517'-6"	MCC

Equipment Data

General Electric type PJC Relays

	Non-operate NO/NC	Capacity Operate NO/NC
PJC	5g (3g ZPA)	7.5g (4.5g ZPA)

Ref. GERS-RLY-PPM.4

Demand Data

See Table 1 and Panel Amplification Factor Table

Conclusions

Relays in the following cabinets can be screened by this method

None

Relays in the following cabinets can not be screened via this method:
SWGR 23-1, 24-1, 33-1, 34-1

Prepared By: L. Hussain 5/10/96

Reviewed By: [illegible] 5/10/96

APPENDIX E

SEISMIC QUALIFICATION UTILITIES GROUP (SQUG) OUTLIER SEISMIC VERIFICATION SHEETS

The following contains the Outlier Seismic Verification Sheets, which provide the details of the individual outliers, and proposed resolutions.

Exhibit 5-1

OUTLIER SEISMIC VERIFICATION SHEET (OSVS)

1. OUTLIER IDENTIFICATION, DESCRIPTION, AND LOCATION

Equipment ID Number SEE ATTACHED Equipment Class _____

Equipment Location: Building _____ Floor Elevation _____

Room or Row/Column ____ Base Elevation _____

Equipment Description MISC. RELAYS _____

2. OUTLIER ISSUE DEFINITION

a. Identify all the screening guidelines which are not met. (Check more than one if several guidelines could not be satisfied.)

Mechanical and Electrical Equipment		Tanks and Heat Exchangers	
Capacity vs. Demand	____	Shell Buckling[1]	____
Caveats	____	Anchor Bolts and Embedment	____
Anchorage	____	Anchorage Connections	____
Seismic Interaction	____	Flexibility of Attached Piping[1]	____
Other	____	Other	____
		Cable and Conduit Raceways	
Essential Relays		Inclusion Rules	____
Capacity vs. Demand	____	Other Seismic Performance Concerns	____
Mounting, Type, Location	____	Limited Analytical Review	____
Other	X	Other	____

1 Shell buckling and flexibility of attached piping only apply to large, flat-bottom, vertical tanks.

b. Describe all the reasons for the outlier (i.e., if all the listed outlier issues were resolved, then the signatories would consider this item of equipment to be verified for seismic adequacy):

GERS DO NOT EXIST FOR LISTED RELAYS.

UNG

Exhibit 5-1 (Cont'd)

OUTLIER SEISMIC VERIFICATION SHEET (OSVS)

Equipment ID Number_____

3. PROPOSED METHOD OF OUTLIER RESOLUTION (OPTIONAL)

a. Define proposed method(s) for resolving outlier.

1) DETERMINE SEISMIC CAPACITY FOR DEVICES & EVALUATE
2) REPLACE DEVICES

b. Provide information needed to implement proposed method(s) for resolving outlier (e.g., estimate of fundamental frequency).

1) SEISMIC CAPACITY FOR LISTED DEVICES.

4. CERTIFICATION:

The information on this OSVS is, to the best of our knowledge and belief, correct and accurate, and resolution of the outlier issues listed on the previous page will satisfy the requirements for this item of equipment to be verified for seismic adequacy:

Approved by: (For Equipment Classes #0 - #22, all the Seismic Capability Engineers on the Seismic Review Team (SRT) should sign; there should be at least two on the SRT. One signatory should be a licensed professional engineer. For Relays, the Lead Relay Reviewer should sign.)

IRFAN HUSSAIN	I. Hussain	5/10/96
Print or Type Name	Signature	Date
R. M. YAHLGREN	[signature]	5/10/96
Print or Type Name	Signature	Date
Print or Type Name	Signature	Date

UNG

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
BARTON	DIFF.PRE	288 (W/224 DP	261-35D				12E-2437A R/Z	2202-36	RB-M/43	476'-6"	UNG
BARTON	DIFF.PRE	288 (W/224 DP	261-35D				12E-2437A R/Z	2202-36	RB-M/43	476'-6"	UNG
BARTON	DIFF.PRE	288 (W/224 DP	261-35H				12E-2438A R/AB	2202-36	RB-M/43	476'-6"	UNG
BARTON	DIFF.PRE	288 (W/224 DP	261-35H				12E-2438A R/AB	2202-36	RB-M/43	476'-6"	UNG
CARDOX	RELAY	47H	AR1		N	NC	12E-2350B-1, R/Z	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	47H	AR1		N	NC	12E-2350B-1, R/Z	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	47H	AR3		N	NC	12E-2351B-2, R/ AM	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	47H	AR3		N	NC	12E-2351B-2, R/ AM	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	45H	HR1		N	NO	12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	45H	HR1		N	NO	12E-2395, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	45H	HR1		N	NO	12E-2395, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	45H	HR3		N	NO	12E-2595, R/ L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	45H	HR3		N	NO	12E-2595, R/ L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TH				12E-2595, R/ L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TH				12E-2595, R/ L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TH				12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TH				12E-2395, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TH				12E-2395, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TM (A/B)				12E-2395, R/L	2223-53	TB-G/45	517'-6"	UNG
DRESSER	PRESS	1539VX	CR		N	NO	12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	CR		N	NO	12E-2461A R/E	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	CR		N	NO	12E-2462A R/C	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	CR		N	NO	12E-2462-1 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	CR		N	NO	12E-2462-2 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSH				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSH				12E-2461A R/E	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSH				12E-2462A R/C	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSH				12E-2462-1 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSH				12E-2462-2 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSL				12E-2461-1 R/AW	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSL				12E-2461A R/E	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSL				12E-2462A R/C	2202-5	RB-E/39	545'-6"	UNG
DRESSER	PRESS	1539VX	PSL				12E-2462-1 R/AW	2202-5	RB-E/39	545'-6"	UNG

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
DRESSER	PRESS	1539VX	PSL				12E-2462-2 R/AW	2202-5	RB-E/39	545'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-2414 R/Z	902-28	MCR	517'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	36530082-	EMD 8370794	SDR		Y	NO	12E-2350A-1, R/ AH	2252-21	DG 2	517'-6"	UNG
GE	36530082-	EMD 8370794	SDR		N	NO	12E-2350A-1, R/ AH	2252-21	DG 2	517'-6"	UNG
GE	CFF	12CFF14B21A	181DG2				12E-2350B-2, R/AD	2252-10	DG 2	517'-6"	UNG
GE	CFF	12CFF14B21A	181DG2/3				12E-2351B-3 R/AC	2223-33	DG 2/3	517'-6"	UNG
GE	CFF	12CFF14B21A	181DG2/3				12E-2351B-3, R/AC	2223-33	DG 2/3	517'-6"	UNG
GE	CR120	CR120KX3A	281-103	14	Y	NC	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-109	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-110	14	N	NC	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-111	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-111	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-111	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-111	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-112	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-112	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-112	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-112	14	N	NO	12E-2414 R/Z	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-114	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-114	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-115	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-115	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-116	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-116	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	CR120	CR120KX3A	281-118	14	N	NO	12E-2415 R/Q	902-28	AEER	517'-6"	UNG
GE	IAC	12IAC51B113A	150/151/SI(A)		N	NO	12E-2349-2 R/AD	4KV SWGR 23-1(7)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (11)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (5)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (8)	RB-N/41	545'-6"	UNG

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IAC	12IAC51B113A	150/151/SI(C)		N	NO	12E-2349-2 R/AD	4KV SWGR 23-1(7)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (11)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (5)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (8)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A3A	151 / (N)		N	NO	12E-2344, R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A3A	151 N/SI		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2344-4 R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2342 R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2344-4 R/V	4KV SWGR 24-1(11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151 /SI(A)		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-2344, R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1 (9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-2345-2 R/AM	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	151 / SI (A)		N	NO	12E-3344-2, R/W	4KV SWGR 23-1 (3)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-3345-1, R/AP	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(B)		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-2344, R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1 (9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-2345-2 R/AM	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	151 / SI (B)		N	NO	12E-3344-2, R/W	4KV SWGR 23-1 (3)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-3345-1, R/AP	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2344-4 R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2342 R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2344-4 R/V	4KV SWGR 24-1(11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151 /SI(C)		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151 / SI (C)		N	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (C)		N	NO	12E-2345-2 R/AM	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (C)		N	NO	12E-3345-1, R/AP	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A3A	151 / SI (N)		N	NO	12E-2344-2 R/V	4KV SWGR 23-1 (9)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	151/150/SI(A)		N	NO	12E-2349-1 R/AC	4KV SWGR 23-1 (8)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC66B3A	151/150/SI(C)		N	NO	12E-2349-1 R/AC	4KV SWGR 23-1 (8)	RB-N/40	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-2342 R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-2344-4 R/T	4KV SWGR 24-1(11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-2342 R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-2344-4 R/T	4KV SWGR 24-1(11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A3A	151N		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	121AC51A3A	151N/SI		N	NO	12E-2342 R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A801A	151N/SI		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-2343 R/AC	4KV SWGR 24 (5)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-2344-4 R/T	4KV SWGR 24-1 (11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC	121AC51A3A	151N/SI		N	NO	12E-2342-R/AC	4KV SWGR 23(3)	TB-D/32	534'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-2344-4 R/V	4KV SWGR 24-1(11)	RB-N/41	545'-6"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-2343 R/AC	4KV SWGR 24 (14)	TB-D/32	534'-0"	UNG
GE	IAC-51A	12IAC51A101A	151 /SI(A)		N	NO/NC	12E-2342 R/AC	4KV SWGR 23 (12)	TB-D/32	534'-0"	UNG
GE	IAC-51A	12IAC51A101A	151 /SI(A)		N	NO	12E-2342- R/AC	4KV SWGR 23(12)	TB-D/32	534'-0"	UNG
GE	IAC-51A	12IAC51A101A	151 /SI(C)		N	NO/NC	12E-2342 R/AC	4KV SWGR 23 (12)	TB-D/32	534'-0"	UNG
GE	IAC-51A	12IAC51A101A	151 /SI(C)		N	NO	12E-2342-R/AC	4KV SWGR 23(12)	TB-D/32	534'-0"	UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IAC-51A	12IAC51A3A	151N/SI		N	NO/NC	12E-2342 R/AC	4KV SWGR 23 (12)	TB-D/32	534'-0"	UNG
GE	IAC-51A		151N/SI		N	NO	12E-2344-2 R/V	4KV SWGR 23-1(9)	RB-N/40	545'-6"	UNG
GE	IAC-51A	12IAC51A3A	151N/SI		N	NO	12E-2342-R/AC	4KV SWGR 23(12)	TB-D/32	534'-0"	UNG
GE	IAC51		151N/SI		N	NO	12E-2344-4 R/T	4KV SWGR 24-1(11)	RB-N/41	545'-6"	UNG
GE	IAV	12IAV69A1A	127-1-B23				12E-2342, R/ AC	4KV SWGR 23 (4)	TB-D/32	534'-0"	UNG
GE	IAV	12IAV69A1A	127-1-B23-1				12E-2345-3, R/ AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UNG
GE	IAV	12IAV69A1A	127-1-B24				12E-2343, R/AC	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	UNG
GE	IAV	12IAV69A1A	127-1-B24-1				12E-2346-3, R/AJ	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UNG
GE	IAV	12IAV69A1A	127-1-B33				12E-3342, R/ W	4KV SWGR 33 (12)	TB-D/55	538'-0"	UNG
GE	IAV	12IAV69A1A	127-1-B33-1		N	NO	12E-33345-2, R/ AK	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UNG
GE	IAV	12IAV69A1A	127-1-XT22				12E-2343 R/AC	4KV SWGR 24(6)	TB-D/32	534'-0"	UNG
GE	IAV	12IAV69A1A	127-2-B23				12E-2342, R/ AC	4KV SWGR 23 (4)	TB-D/32	534'-0"	UNG
GE	IAV	12IAV69A1A	127-2-B23-1				12E-2345-3, R/ AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UNG
GE	IAV	12IAV69A1A	127-2-B24				12E-2343, R/AC	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	UNG
GE	IAV	12IAV69A1A	127-2-B24-1				12E-2346-3, R/AJ	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UNG
GE	IAV	12IAV69A1A	127-2-B33				12E-3342, R/ W	4KV SWGR 33 (12)	TB-D/55	538'-0"	UNG
GE	IAV	12IAV69A1A	127-2-B33-1		N	NO	12E-33345-2, R/ AK	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UNG
GE	IAV	12IAV69A1A	127-2-XT22				12E-2343 R/AC	4KV SWGR 24(6)	TB-D/32	534'-0"	UNG
GE	IAV	12IAV69A1A	159-1-SD2				12E-2346-3, R/AJ	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG
GE	IAV	12IAV69A1A	159-1-SD2/3				12E-6630 R/G	4KV SWGR 40 (2)	DG 2/3	517'-6"	UNG
GE	IAV	12IAV69A1A	159-1-SD2/3				12E-6630, R/G	4KV SWGR 40 (2)	DG 2/3	517'-6"	UNG
GE	IAV	12IAV69A1A	159-2-SD2				12E-2346-3, R/AJ	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG
GE	IAV	12IAV69A1A	159-2-SD2/3				12E-6630 R/G	4KV SWGR 40 (2)	DG 2/3	517'-6"	UNG
GE	IAV	12IAV69A1A	159-2-SD2/3				12E-6630, R/G	4KV SWGR 40 (2)	DG 2/3	517'-6"	UNG
GE	IAV	12IAV51D1A	159-DG2		N	NO	12E-2346-2, R/AN	2252-10	DG 2	517'-6"	UNG
GE	IAV	12IAV51D1A	159-DG2/3		N	NO	12E-2345-2 R/AM	2223-33	DG 2/3	517'-6"	UNG
GE	IAV	12IAV51D1A	159-DG2/3		N	NO	12E-2345-2, R/AM	2223-33	DG 2/3	517'-6"	UNG
GE	IAV	12IAV69A1A	227-1-B29		N	NO	12E-2349-2 R/AD	480V SWGR 29 (292B)	RB-N/41	570'-0"	UNG
GE	IAV	12IAV69A1A	227-2-B29		N	NO	12E-2349-2 R/AD	480V SWGR 29 (292B)	RB-N/41	570'-0"	UNG
GE	ICW	12ICW51A1A	192-DG2		N	NO	12E-2346-2, R/AN	2252-10	DG 2	517'-6"	UNG
GE	ICW	12ICW51A1A	192-DG2/3		N	NO	12E-2345-2 R/AM	2223-33	DG 2/3	517'-6"	UNG
GE	ICW	12ICW51A1A	192-DG2/3		N	NO	12E-2345-2, R/AM	2223-33	DG 2/3	517'-6"	UNG
ITT	PRESS.S	288-560S	263-52B				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	UNG

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
ITT	PRESS.S	288-560S	263-52B				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	263-52B /PS				12E-2430-2, R/ BD	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	PS-263-52B				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	PS-263-52B				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	PS-263-52B				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	PS-263-52B				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	PS-263-52B				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	UNG
ITT	PRESS.S	288-560S	PS-263-52B				12E-2438-1 R/AS	2202-6	RB-M/41	545'-6"	UNG
MAGNETROL	LEVEL	A-103F-EP/VP	2-5241-3				12E-2350B-1, R/Z	2-5241-3	DG 2	517'-6"	UNG
MAGNETROL	LEVEL	A-103F-EP/VP	2/3-5241-5				12E-2351B-1, R/ AF	2/3-5241-5	DG 2/3	517'-6"	UNG
MAGNETROL	LEVEL	291-S-13-512	LS-2-2351A				12E-2528 R/AS	LS-2-2351A	U2 HPCI		UNG
MAGNETROL	LEVEL	291-S-13-512	LS-2-2351A				12E-2528 R/AS	LS-2-2351A	U2 HPCI		UNG
MAGNETROL	LEVEL	219-S-13-512	LS-2-2351B				12E-2528 R/AS	LS-2-2351B	U2 HPCI		UNG
MAGNETROL	LEVEL	291-S-13-512	LS-2-2351B				12E-2528 R/AS	LS-2-2351B	U2 HPCI		UNG
MAGNETROL	LEVEL	291-SP	LS-2/3-2350B				12E-2528 R/AS	LS-2/3-2350B	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291-SP	LS-2/3-2350B				12E-2528 R/AS	LS-2/3-2350B	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350C				12E-2528 R/AS	LS-2/3-2350C	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350C				12E-2528 R/AS	LS-2/3-2350C	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291-SP	LS-2/3-2350D				12E-2528 R/AS	LS-2/3-2350D	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291-SP	LS-2/3-2350D				12E-2528 R/AS	LS-2/3-2350D	TB-H/37	517'-6"	UNG
MAGNETROL	LVL. SW.	291	LS-2/3-2350A				12E-2528 R/AS	LS-2/3-2350A	TB-H/37	517'-6"	UNG
MAGNETROL	LVL. SW.	291	LS-2/3-2350A				12E-2528 R/AS	LS-2/3-2350A	TB-H/37	517'-6"	UNG
SQUARE D		CLASS 7001	FSR		Y	NO	12E-2351A-1, R/ AM	DG2/3 EXCITATION CAB	DG2/3		UNG
SQUARE D	AMG4	CLASS 9013	PS-4				12E-2532 R/AB	PS-4	U2 HPCI		UNG
SQUARE D	AMG4	CLASS 9013	PS-6				12E-2532 R/AB	D02-2301-EBOP	RB-N/44	476'-6"	UNG
SQUARE D	EQ1281G2	CLASS 8504	EXC		Y	NO	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UNG
SQUARE D	EQ1281G2	CLASS 8504	EXC		N	NO	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UNG
SQUARE D	EQ1281G2	CLASS 8504	EXC		Y	NO	12E-2336, R/Q	2252-21	DG 2	517'-6"	UNG
SQUARE D	EQ1281G2	CLASS 8504	EXC		N	NO	12E-2336, R/Q	2252-21	DG 2	517'-6"	UNG
SQUARE D	EQ1965G1	EMD 8284295	FFC		Y	NO	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UNG
SQUARE D	EQ1965G1	EMD 8284295	FFC		N	NO	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UNG
SQUARE D	EQ1965G1	CLASS 8504	FFC		N	NO	12E-2336, R/Q	2252-21	DG 2	517'-6"	UNG
SQUARE D	EQ1965G1	CLASS 8504	FFC		Y	NO	12E-2336, R/Q	2252-21	DG 2	517'-6"	UNG

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 AND COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
UNITED	TEMP.SW.	F100-7BS	TS-2-2370A				12E-2527 R/BA	TS-2-2370A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370A				12E-2527 R/BA	TS-2-2370A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370A				12E-2527 R/BA	TS-2-2370A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370A				12E-2527 R/BA	TS-2-2370A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370A				12E-2527 R/BA	TS-2-2370A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370A				12E-2527 R/BA	TS-2-2370A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370B				12E-2527 R/BA	TS-2-2370B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370B				12E-2527 R/BA	TS-2-2370B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370B				12E-2527 R/BA	TS-2-2370B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370B				12E-2527 R/BA	TS-2-2370B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370B				12E-2527 R/BA	TS-2-2370B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370B				12E-2527 R/BA	TS-2-2370B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370C				12E-2527 R/BA	TS-2-2370C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370C				12E-2527 R/BA	TS-2-2370C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370C				12E-2527 R/BA	TS-2-2370C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370C				12E-2527 R/BA	TS-2-2370C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370C				12E-2527 R/BA	TS-2-2370C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370C				12E-2527 R/BA	TS-2-2370C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370D				12E-2527 R/BA	TS-2-2370D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370D				12E-2527 R/BA	TS-2-2370D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370D				12E-2527 R/BA	TS-2-2370D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370D				12E-2527 R/BA	TS-2-2370D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370D				12E-2527 R/BA	TS-2-2370D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2370D				12E-2527 R/BA	TS-2-2370D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371A				12E-2527 R/BA	TS-2-2371A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371A				12E-2527 R/BA	TS-2-2371A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371A				12E-2527 R/BA	TS-2-2371A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371A				12E-2527 R/BA	TS-2-2371A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371A				12E-2527 R/BA	TS-2-2371A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371A				12E-2527 R/BA	TS-2-2371A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371B				12E-2527 R/BA	TS-2-2371B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371B				12E-2527 R/BA	TS-2-2371B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371B				12E-2527 R/BA	TS-2-2371B	U2 HPCI		UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
UNITED	TEMP.SW.	F100-7BS	TS-2-2371B				12E-2527 R/BA	TS-2-2371B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371B				12E-2527 R/BA	TS-2-2371B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371B				12E-2527 R/BA	TS-2-2371B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371C				12E-2527 R/BA	TS-2-2371C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371C				12E-2527 R/BA	TS-2-2371C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371C				12E-2527 R/BA	TS-2-2371C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371C				12E-2527 R/BA	TS-2-2371C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371C				12E-2527 R/BA	TS-2-2371C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371C				12E-2527 R/BA	TS-2-2371C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371D				12E-2527 R/BA	TS-2-2371D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371D				12E-2527 R/BA	TS-2-2371D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371D				12E-2527 R/BA	TS-2-2371D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371D				12E-2527 R/BA	TS-2-2371D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371D				12E-2527 R/BA	TS-2-2371D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2371D				12E-2527 R/BA	TS-2-2371D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372A				12E-2527 R/BA	TS-2-2372A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372A				12E-2527 R/BA	TS-2-2372A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372A				12E-2527 R/BA	TS-2-2372A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372A				12E-2527 R/BA	TS-2-2372A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372A				12E-2527 R/BA	TS-2-2372A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372A				12E-2527 R/BA	TS-2-2372A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372B				12E-2527 R/BA	TS-2-2372B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372B				12E-2527 R/BA	TS-2-2372B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372B				12E-2527 R/BA	TS-2-2372B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372B				12E-2527 R/BA	TS-2-2372B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372B				12E-2527 R/BA	TS-2-2372B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372B				12E-2527 R/BA	TS-2-2372B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372C				12E-2527 R/BA	TS-2-2372C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372C				12E-2527 R/BA	TS-2-2372C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372C				12E-2527 R/BA	TS-2-2372C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372C				12E-2527 R/BA	TS-2-2372C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372C				12E-2527 R/BA	TS-2-2372C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372C				12E-2527 R/BA	TS-2-2372C	U2 HPCI		UNG

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DRESDEN NUCLEAR POWER STATION: UNIT 2 AND COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
UNITED	TEMP.SW.	F100-7BS	TS-2-2372D				12E-2527 R/BA	TS-2-2372D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372D				12E-2527 R/BA	TS-2-2372D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372D				12E-2527 R/BA	TS-2-2372D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372D				12E-2527 R/BA	TS-2-2372D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372D				12E-2527 R/BA	TS-2-2372D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2372D				12E-2527 R/BA	TS-2-2372D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373A				12E-2527 R/BA	TS-2-2373A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373A				12E-2527 R/BA	TS-2-2373A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373A				12E-2527 R/BA	TS-2-2373A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373A				12E-2527 R/BA	TS-2-2373A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373A				12E-2527 R/BA	TS-2-2373A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373A				12E-2527 R/BA	TS-2-2373A	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373B				12E-2527 R/BA	TS-2-2373B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373B				12E-2527 R/BA	TS-2-2373B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373B				12E-2527 R/BA	TS-2-2373B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373B				12E-2527 R/BA	TS-2-2373B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373B				12E-2527 R/BA	TS-2-2373B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373B				12E-2527 R/BA	TS-2-2373B	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373C				12E-2527 R/BA	TS-2-2373C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373C				12E-2527 R/BA	TS-2-2373C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373C				12E-2527 R/BA	TS-2-2373C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373C				12E-2527 R/BA	TS-2-2373C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373C				12E-2527 R/BA	TS-2-2373C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373C				12E-2527 R/BA	TS-2-2373C	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373D				12E-2527 R/BA	TS-2-2373D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373D				12E-2527 R/BA	TS-2-2373D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373D				12E-2527 R/BA	TS-2-2373D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373D				12E-2527 R/BA	TS-2-2373D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373D				12E-2527 R/BA	TS-2-2373D	U2 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS	TS-2-2373D				12E-2527 R/BA	TS-2-2373D	U2 HPCI		UNG
VAPOR	3653008-2-	EMD 8370794	SDR		N	NO	12E-2351A-1, R/ AM	2223-41	DG 2/3	517'-6"	UNG
VAPOR	3653008-2-	EMD 8370794	SDR		Y	NO	12E-2351A-1, R/ AM	2223-41	DG 2/3	517'-6"	UNG
WEST.	SA1	STYLE	187-DG2				12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
WEST.	SA1	STYLE	187DG2				12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UNG
WESTING	SA-1	1329D62A01D	187-DG2/3				12E-6630 R/G	4KV SWGR 40 (3)	DG 2/3	517'-6"	UNG
WESTING	SA-1	1329D62A01D	187-DG2/3				12E-6630, R/G	4KV SWGR 40 (3)	DG 2/3	517'-6"	UNG
WESTING	SA-1	1329D62A01D	187DG2/3				12E-2351A-1, R/ AM	4KV SWGR 40 (3)	DG 2/3	517'-6"	UNG

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
BARTON	DIFF.PRE	288 (W/224 DP	261-35D				12E-3437A R/S	2203-36	RB-M/49	476'-6"	UNG
BARTON	DIFF.PRE	288 (W/224 DP	261-35D				12E-3437A R/S	2203-36	RB-M/49	476'-6"	UNG
BARTON	DIFF.PRE	288 (W/224 DP	261-35H				12E-3438A R/S	2203-36	RB-M/49	476'-6"	UNG
BARTON	DIFF.PRE	288 (W/224 DP	261-35H				12E-3438A R/S	2203-36	RB-M/49	476'-6"	UNG
DRESSER	PRESS.	1539VX	CR		N	NO	12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.	1539VX	CR		N	NO	12E-3461A R/D	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.	1539VX	CR		N	NO	12E-3462A R/C	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.	1539VX	CR		N	NO	12E-3462-3 R/AB	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.	1539VX	CR		N	NO	12E-3462-3 R/AB	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSH				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSH				12E-3461A R/D	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSH				12E-3462A R/C	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSH				12E-3462-3 R/AB	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSH				12E-3462-3 R/AB	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSL				12E-3461-1 R/AL	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSL				12E-3461A R/D	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSL				12E-3462A R/C	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSL				12E-3462-3 R/AB	2203-5	RB-M/47	545'-6"	UNG
DRESSER	PRESS.S	1539VX	PSL				12E-3462-3 R/AB	2203-5	RB-M/47	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	263-52B				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	263-52B				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	PS-263-52B				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	PS-263-52B			NC	12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	PS-263-52B				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	PS-263-52B				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	PS-263-52B				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	UNG
ITT BARTON	PRESS.IN	288-37242	PS-263-52B				12E-3438-1 R/AF	2203-6	RB-K/49	545'-6"	UNG
CARDOX	RELAY	47H	AR2		N	NC	12E-3350B, R/AK	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	47H	AR2		N	NC	12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	RELAY	45H	HR2		N	NO	12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
CARDOX	RELAY	45H	HR2		N	NO	12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TH				12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TH				12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
CARDOX	TIMER	512	TM (A/B)				12E-2595, R/L	2223-53	TB-G/45	517'-6"	UNG
GE	CEH	12CEH51A1A	140-DG3		N	NO	12E-3346-2, R/AL	2253-10	DG 3	517'-6"	UNG
GE	IAV	12IAV51D1A	159-DG3		N	NO	12E-3346-2, R/AL	2253-10	DG 3	517'-6"	UNG
GE	CFF	12CFF14B21A	181DG3				12E-3350B, R/AK	2253-10	DG 3	517'-6"	UNG
GE	ICW	12ICW51A1A	192-DG3		N	NO	12E-3346-2, R/AL	2253-10	DG 3	517'-6"	UNG
SQUARE D	EQ128-G2	CLASS 8504	EXC		Y	NO	12E-3336, R/ Q	2253-21	DG 3	517'-6"	UNG
SQUARE D	EQ128-G2	CLASS 8504	EXC		N	NO	12E-3336, R/ Q	2253-21	DG 3	517'-6"	UNG
SQUARE D		CLASS 8504	FFC		Y	NO	12E-3336, R/ Q	2253-21	DG 3	517'-6"	UNG
SQUARE D		CLASS 8504	FFC		N	NO	12E-3336, R/ Q	2253-21	DG 3	517'-6"	UNG
ELECTRO	EMD	EMD 8370794	SDR		N	NO	12E-3350A-1, R/ AC	2253-21	DG 3	517'-6"	UNG
ELECTRO	EMD	EMD 8370794	SDR		Y	NO	12E-3350A-1, R/ AC	2253-21	DG 3	517'-6"	UNG
MAGNETROL	LEVEL	A-103F-EP/VP	3-5241-3				12E-3350B, R/AK	3-5241-3	DG 3	517'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3342 R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3342- R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3342 R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3342-R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3342 R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3342-R/W	4KV SWGR 33 (13)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3342- R/W	4KV SWGR 33 (3)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3342- R/W	4KV SWGR 33 (3)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3342-R/W	4KV SWGR 33 (3)	TB-D/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(B)		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-2345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A801A	151N		N	NO	12E-3345-3 R/A	4KV SWGR 33-1 (1)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-3436-2 R/P	4KV SWGR 33-1 (10)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-3436-2 R/P	4KV SWGR 33-1 (10)	RB-N/47	545'-6"	UNG

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DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IAC	12IAC66B3A	151/SI(A)		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (2)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	151/SI(C)		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (2)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (3)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (3)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (3)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51B113A	151/150/SI(A)		N	NO	12E-3349 R/S	4KV SWGR 33-1 (5)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51B113A	151/150/SI(C)		N	NO	12E-3349 R/S	4KV SWGR 33-1 (5)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-3436-1 R/P	4KV SWGR 33-1 (7)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-3436-1 R/P	4KV SWGR 33-1 (7)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	151/SI(A)		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (9)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC66B3A	151/SI(C)		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (9)	RB-N/47	545'-6"	UNG
GE	IAC	12IAC51A3A	151 N/SI		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	UNG
GE	IAC-51A	12IAC51A101A	151/SI(C)		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3343 R/X	4KV SWGR 34(1)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A3A	151 N/SI		N	NO	12E-3343 R/X	4KV SWGR 34(11)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3343 R/X	4KV SWGR 34 (11)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3343 R/X	4KV SWGR 34(11)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3343 R/X	4KV SWGR 34 (11)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3343 R/X	4KV SWGR 34(11)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3343 R/X	4KV SWGR 34 (11)	TB-E/55	538'-0"	UNG
GE	IAV	12IAV69A1A	127-1-B34				12E-3343, R/ X	4KV SWGR 34 (12)	TB-E/55	538'-0"	UNG
GE	IAV	12IAV69A1A	127-1-XT32				12E-3342 R/W	4KV SWGR 34(12)	TB-E/55	538'-0"	UNG
GE	IAV	12IAV69A1A	127-2-B34				12E-3343, R/ X	4KV SWGR 34 (12)	TB-E/55	538'-0"	UNG
GE	IAC-51	12IAV69A1A	127-2-XT32				12E-3342 R/W	4KV SWGR 34(12)	TB-E/55	538'-0"	UNG
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-3436-4 R/Q	4KV SWGR 34-1 (11)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-3436-4 R/Q	4KV SWGR 34-1 (11)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A3A	151 / NEUT		N	NO	12E-3344-1, R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG

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MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-3344-4, R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-3344-4, R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(A)		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151/SI(C)		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A3A	151N/SI		N	NO	12E-3344-4 R/U	4KV SWGR 34-1 (12)	RB-N/48	545'-6"	UNG
GE	IAV	12IAV69A1A	127-1-B34-1				12E-3346-2, R/ AL	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UNG
GE	IAV	12IAV69A1A	127-2-B34-1				12E-3346-2. R/ AL	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (A)		N	NO	12E-3436-3 R/Q	4KV SWGR 34-1 (5)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC66B3A	150/151/SI (C)		N	NO	12E-3436-3 R/Q	4KV SWGR 34-1 (5)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51B113A	151/150/SI(A)		N	NO	12E-3349 R/S	4KV SWGR 34-1 (6)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51B113A	151/150/SI(C)		N	NO	12E-3349 R/S	4KV SWGR 34-1 (6)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (A)		N	NO	12E-3346-2, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (B)		N	NO	12E-3346-2, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UNG
GE	IAC	12IAC51A101A	151 / SI (C)		N	NO	12E-3346-2, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UNG
WESTING	SA-1	1329D62AO1-D	187-DG3				12E-3346-2, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UNG
EAGLE	TIMER	HM71A6444444J	281-304	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350A				12E-3528-1 R/AD	LS-2/3-2350A	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350A				12E-3528-1 R/AD	LS-2/3-2350A	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350B				12E-3528-1 R/AD	LS-2/3-2350B	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350B				12E-3528-1 R/AD	LS-2/3-2350B	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350C				12E-3528-1 R/AD	LS-2/3-2350C	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350C				12E-3528-1 R/AD	LS-2/3-2350C	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350D				12E-3528-1 R/AD	LS-2/3-2350D	TB-H/37	517'-6"	UNG
MAGNETROL	LEVEL	291	LS-2/3-2350D				12E-3528-1 R/AD	LS-2/3-2350D	TB-H/37	517'-6"	UNG

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
MAGNETROL	LEVEL	291	LS-3-2351A				12E-3528-1 R/AD	LS-3-2351A	U3 HPCI		UNG
MAGNETROL	LEVEL	291	LS-3-2351A				12E-3528-1 R/AD	LS-3-2351A	U3 HPCI		UNG
MAGNETROL	LEVEL	291-S-13-512	LS-3-2351B				12E-3528-1 R/AD	LS-3-2351B	U3 HPCI		UNG
MAGNETROL	LEVEL	291-S-13-512	LS-3-2351B				12E-3528-1 R/AD	LS-3-2351B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370A				12E-3527-1 R/AH	TS-3-2370A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370A				12E-3527-1 R/AH	TS-3-2370A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370A				12E-3527-1 R/AH	TS-3-2370A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370A				12E-3527-1 R/AH	TS-3-2370A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370A				12E-3527-1 R/AH	TS-3-2370A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370A				12E-3527-1 R/AH	TS-3-2370A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370B				12E-3527-1 R/AH	TS-3-2370B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370B				12E-3527-1 R/AH	TS-3-2370B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370B				12E-3527-1 R/AH	TS-3-2370B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370B				12E-3527-1 R/AH	TS-3-2370B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370B				12E-3527-1 R/AH	TS-3-2370B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370B				12E-3527-1 R/AH	TS-3-2370B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370C				12E-3527-1 R/AH	TS-3-2370C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370C				12E-3527-1 R/AH	TS-3-2370C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370C				12E-3527-1 R/AH	TS-3-2370C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370C				12E-3527-1 R/AH	TS-3-2370C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370C				12E-3527-1 R/AH	TS-3-2370C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370C				12E-3527-1 R/AH	TS-3-2370C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370D				12E-3527-1 R/AH	TS-3-2370D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370D				12E-3527-1 R/AH	TS-3-2370D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370D				12E-3527-1 R/AH	TS-3-2370D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370D				12E-3527-1 R/AH	TS-3-2370D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370D				12E-3527-1 R/AH	TS-3-2370D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2370D				12E-3527-1 R/AH	TS-3-2370D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371A				12E-3527-1 R/AH	TS-3-2371A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371A				12E-3527-1 R/AH	TS-3-2371A	U3 HPCI		UNG

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371A				12E-3527-1 R/AH	TS-3-2371A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371A				12E-3527-1 R/AH	TS-3-2371A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371A				12E-3527-1 R/AH	TS-3-2371A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371A				12E-3527-1 R/AH	TS-3-2371A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371B				12E-3527-1 R/AH	TS-3-2371B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371B				12E-3527-1 R/AH	TS-3-2371B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371B				12E-3527-1 R/AH	TS-3-2371B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371B				12E-3527-1 R/AH	TS-3-2371B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371B				12E-3527-1 R/AH	TS-3-2371B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371B				12E-3527-1 R/AH	TS-3-2371B	U3 HPCI		UNG
UNITED	TEMP.SW	F100-7BS-90327	TS-3-2371C				12E-3527-1 R/AH	TS-3-2371C	U3 HPCI		UNG
UNITED	TEMP.SW	F100-7BS-90327	TS-3-2371C				12E-3527-1 R/AH	TS-3-2371C	U3 HPCI		UNG
UNITED	TEMP.SW	F100-7BS-90327	TS-3-2371C				12E-3527-1 R/AH	TS-3-2371C	U3 HPCI		UNG
UNITED	TEMP.SW	F100-7BS-90327	TS-3-2371C				12E-3527-1 R/AH	TS-3-2371C	U3 HPCI		UNG
UNITED	TEMP.SW	F100-7BS-90327	TS-3-2371C				12E-3527-1 R/AH	TS-3-2371C	U3 HPCI		UNG
UNITED	TEMP.SW	F100-7BS-90327	TS-3-2371C				12E-3527-1 R/AH	TS-3-2371C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371D				12E-3527-1 R/AH	TS-3-2371D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371D				12E-3527-1 R/AH	TS-3-2371D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371D				12E-3527-1 R/AH	TS-3-2371D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371D				12E-3527-1 R/AH	TS-3-2371D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371D				12E-3527-1 R/AH	TS-3-2371D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2371D				12E-3527-1 R/AH	TS-3-2371D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372A				12E-3527-1 R/AH	TS-3-2372A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372A				12E-3527-1 R/AH	TS-3-2372A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372A				12E-3527-1 R/AH	TS-3-2372A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372A				12E-3527-1 R/AH	TS-3-2372A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372A				12E-3527-1 R/AH	TS-3-2372A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372A				12E-3527-1 R/AH	TS-3-2372A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372B				12E-3527-1 R/AH	TS-3-2372B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372B				12E-3527-1 R/AH	TS-3-2372B	U3 HPCI		UNG

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372B				12E-3527-1 R/AH	TS-3-2372B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372B				12E-3527-1 R/AH	TS-3-2372B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372B				12E-3527-1 R/AH	TS-3-2372B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372B				12E-3527-1 R/AH	TS-3-2372B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372C				12E-3527-1 R/AH	TS-3-2372C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372C				12E-3527-1 R/AH	TS-3-2372C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372C				12E-3527-1 R/AH	TS-3-2372C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372C				12E-3527-1 R/AH	TS-3-2372C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372C				12E-3527-1 R/AH	TS-3-2372C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372C				12E-3527-1 R/AH	TS-3-2372C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372D				12E-3527-1 R/AH	TS-3-2372D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372D				12E-3527-1 R/AH	TS-3-2372D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372D				12E-3527-1 R/AH	TS-3-2372D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372D				12E-3527-1 R/AH	TS-3-2372D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372D				12E-3527-1 R/AH	TS-3-2372D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2372D				12E-3527-1 R/AH	TS-3-2372D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373A				12E-3527-1 R/AH	TS-3-2373A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373A				12E-3527-1 R/AH	TS-3-2373A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373A				12E-3527-1 R/AH	TS-3-2373A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373A				12E-3527-1 R/AH	TS-3-2373A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373A				12E-3527-1 R/AH	TS-3-2373A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373A				12E-3527-1 R/AH	TS-3-2373A	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373B				12E-3527-1 R/AH	TS-3-2373B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373B				12E-3527-1 R/AH	TS-3-2373B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373B				12E-3527-1 R/AH	TS-3-2373B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373B				12E-3527-1 R/AH	TS-3-2373B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373B				12E-3527-1 R/AH	TS-3-2373B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373B				12E-3527-1 R/AH	TS-3-2373B	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373C				12E-3527-1 R/AH	TS-3-2373C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373C				12E-3527-1 R/AH	TS-3-2373C	U3 HPCI		UNG

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373C				12E-3527-1 R/AH	TS-3-2373C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373C				12E-3527-1 R/AH	TS-3-2373C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373C				12E-3527-1 R/AH	TS-3-2373C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373C				12E-3527-1 R/AH	TS-3-2373C	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373D				12E-3527-1 R/AH	TS-3-2373D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373D				12E-3527-1 R/AH	TS-3-2373D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373D				12E-3527-1 R/AH	TS-3-2373D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373D				12E-3527-1 R/AH	TS-3-2373D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373D				12E-3527-1 R/AH	TS-3-2373D	U3 HPCI		UNG
UNITED	TEMP.SW.	F100-7BS-90327	TS-3-2373D				12E-3527-1 R/AH	TS-3-2373D	U3 HPCI		UNG

Exhibit 5-1

OUTLIER SEISMIC VERIFICATION SHEET (OSVS)

1. OUTLIER IDENTIFICATION, DESCRIPTION, AND LOCATION

Equipment ID Number SEE ATTACHED Equipment Class _____

Equipment Location: Building _____ Floor Elevation _____

Room or Row/Column ____ Base Elevation _____

Equipment Description MISC. RELAYS

2. OUTLIER ISSUE DEFINITION

a. Identify all the screening guidelines which are not met. (Check more than one if several guidelines could not be satisfied.)

Mechanical and Electrical Equipment		Tanks and Heat Exchangers	
Capacity vs. Demand	____	Shell Buckling[1]	____
Caveats	____	Anchor Bolts and Embedment	____
Anchorage	____	Anchorage Connections	____
Seismic Interaction	____	Flexibility of Attached Piping[1]	____
Other	____	Other	____
		Cable and Conduit Raceways	
Essential Relays		Inclusion Rules	____
Capacity vs. Demand	X	Other Seismic Performance Concerns	____
Mounting, Type, Location	____	Limited Analytical Review	____
Other	____	Other	____

1 Shell buckling and flexibility of attached piping only apply to large, flat-bottom, vertical tanks.

b. Describe all the reasons for the outlier (i.e., if all the listed outlier issues were resolved, then the signatories would consider this item of equipment to be verified for seismic adequacy):

SEISMIC DEMAND EXCEEDS GERS CAPACITY FOR LISTED DEVICES.

UDC

Exhibit 5-1 (Cont'd)

OUTLIER SEISMIC VERIFICATION SHEET (OSVS)

Equipment ID Number SEE ATTACHED

3. PROPOSED METHOD OF OUTLIER RESOLUTION (OPTIONAL)

a. Define proposed method(s) for resolving outlier.

PERFORM SPECIFIC ANALYSIS/TESTING FOR ACTUAL DEMAND/CAPACITY OR REPLACE DEVICE.

b. Provide information needed to implement proposed method(s) for resolving outlier (e.g., estimate of fundamental frequency).

SPECIFIC ANALYSIS.

4. CERTIFICATION:

The information on this OSVS is, to the best of our knowledge and belief, correct and accurate, and resolution of the outlier issues listed on the previous page will satisfy the requirements for this item of equipment to be verified for seismic adequacy:

Approved by: (For Equipment Classes #0 - #22, all the Seismic Capability Engineers on the Seismic Review Team (SRT) should sign; there should be at least two on the SRT. One signatory should be a licensed professional engineer. For Relays, the Lead Relay Reviewer should sign.)

IRFAN HUSSAIN	I. Hussain	5/10/96
Print or Type Name	Signature	Date
R.M. DAHLGREN	[signature]	5/10/96
Print or Type Name	Signature	Date
Print or Type Name	Signature	Date

UDC

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-1NC	12HFA151A2F	6600-HFA2		N	NC	12E-2351B-3, R/ AC	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-1NC	12HFA151A2F	6600-HFA2		N	NC	12E-2351B-3, R/ AM	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-1NC	12HFA151A2F	6600-HFA2		N	NC	12E-2351B-2, R/ AM	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-1NC	12HFA151AF2	6600-HFA2		N	NC	12E-2351B-3, R/ AC	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-3NC	12HFA151A2F	6600-HFA1		N	NC	12E-2351B-1, R/ AF	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-3NC	12HFA151A2F	6600-HFA1		N	NC	12E-2351B-1, R/ AF	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-3NC	12HFA151A2F	6600-HFA1		N	NC	12E-2351B-2, R/ AM	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-3NC	12HFA151A2F	6600-HFA1		N	NC	12E-2351B-2, R/ AM	2223-109	DG 2/3	517'-6"	UDC
GE	HFA-3NC	12HFA51A42H	181Y-DG2/3		N	NO/NC	12E-2345-1 R/AT	2223-33	DG 2/3	517'-6"	UDC
GE	HFA-3NC	12HFA51A42H	181Y-DG2/3		N	NO/NC	12E-3345-1, R/AP	2223-33	DG 2/3	517'-6"	UDC
GE	HFA-3NC	12HFA51A42H	181Y-DG2		N	NO/NC	12E-2346-2, R/AN	2252-10	DG 2	517'-6"	UDC
			M				12E-2529-4 R/AK	250VDC MCC 2A (AA01)	RB-N/42	570'-0"	UDC
CUTLER		6002H706B 954	O				12E-2529-3 R/AK	250VDC MCC 2A (AA01)	RB-N/42	570'-0"	UDC
CUTLER		6002H706B 954	C				12E-2529-3 R/AK	250VDC MCC 2A (AA01)	RB-N/42	570'-0"	UDC
			M				12E-2529-1 R/AH	250VDC MCC 2A (AA02)	RB-N/42	570'-0"	UDC
CUTLER		6002H706B	O				12E-2529-1 R/AH	250VDC MCC 2A (AA02)	RB-N/42	570'-0"	UDC
CUTLER		6002H706B	C				12E-2529-1 R/AH	250VDC MCC 2A (AA02)	RB-N/42	570'-0"	UDC
CUTLER		789	OL				12E-2529-1 R/AH	250VDC MCC 2A (AA02)	RB-N/42	570'-0"	UDC
			72/M2				12E-2532 R/AB	250VDC MCC 2A (B01)	RB-N/42	570'-0"	UDC
			1A				12E-2532 R/AB	250VDC MCC 2A (B01)	RB-N/42	570'-0"	UDC
			2A				12E-2532 R/AB	250VDC MCC 2A (B01)	RB-N/42	570'-0"	UDC
CUTLER		6002H342B	72/M1				12E-2532 R/AB	250VDC MCC 2A (C01)	RB-N/42	570'-0"	UDC
CUTLER		673	TA				12E-2532 R/AB	250VDC MCC 2A (C01)	RB-N/42	570'-0"	UDC
		538	TA				12E-2532 R/AB	250VDC MCC 2A (C02)	RB-N/42	570'-0"	UDC
CUTLER	NEMA	6002H336B	72/M9				12E-2532 R/AB	250VDC MCC 2A (C02)	RB-N/42	570'-0"	UDC
			72/M1				12E-2532 R/AB	250VDC MCC 2A (D02)	RB-N/42	570'-0"	UDC
			TA				12E-2532 R/AB	250VDC MCC 2A (D02)	RB-N/42	570'-0"	UDC
CUTLER		6002H335B	M				12E-2530 R/AA	250VDC MCC 2B (J01)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	O				12E-2530 R/AA	250VDC MCC 2B (J01)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	C				12E-2530 R/AA	250VDC MCC 2B (J01)	RB-N/42	570'-0"	UDC
		6002H346B	O				12E-2530 R/AA	250VDC MCC 2B (K01)	RB-N/42	570'-0"	UDC
CUTLER		6002H335B	M				12E-2530 R/AA	250VDC MCC 2B (K01)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	C				12E-2530 R/AA	250VDC MCC 2B (K01)	RB-N/42	570'-0"	UDC

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			O				12E-2529-2 R/AJ	250VDC MCC 2B (K02)	RB-N/42	570'-0"	UDC
			C				12E-2529-2 R/AJ	250VDC MCC 2B (K02)	RB-N/42	570'-0"	UDC
CUTLER		6002H342B	M				12E-2529-4 R/AK	250VDC MCC 2B (K02)	RB-N/42	570'-0"	UDC
CUTLER		789	OL				12E-2529-2 R/AJ	250VDC MCC 2B (K02)	RB-N/42	570'-0"	UDC
			O				12E-2529-4 R/AK	250VDC MCC 2B (L01)	RB-N/42	570'-0"	UDC
			C				12E-2529-4 R/AK	250VDC MCC 2B (L01)	RB-N/42	570'-0"	UDC
		6002H342B	M				12E-2529-4 R/AK	250VDC MCC 2B (L01)	RB-N/42	570'-0"	UDC
CUTLER		6002H335B	M				12E-2530 R/AA	250VDC MCC 2B (L02)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	C				12E-2530 R/AA	250VDC MCC 2B (L02)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	O				12E-2530 R/AA	250VDC MCC 2B (L02)	RB-N/42	570'-0"	UDC
CUTLER		789	OL				12E-2530 R/AA	250VDC MCC 2B (L02)	RB-N/42	570'-0"	UDC
			C				12E-2529-3 R/AK	250VDC MCC 2B (M02)	RB-N/42	570'-0"	UDC
			O				12E-2529-3 R/AK	250VDC MCC 2B (M02)	RB-N/42	570'-0"	UDC
			M				12E-2529-4 R/AK	250VDC MCC 2B (M02)	RB-N/42	570'-0"	UDC
CUTLER		10176H135A	OL	4			12E-2530 R/AA	250VDC MCC 2B (O02)	RB-N/42	570'-0"	UDC
CUTLER		6002H335B	M				12E-2529-4 R/AK	250VDC MCC 2B (O02)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	O				12E-2530 R/AA	250VDC MCC 2B (O02)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	C				12E-2530 R/AA	250VDC MCC 2B (O02)	RB-N/42	570'-0"	UDC
CUTLER		10176H135A	OL	4			12E-2530 R/AA	250VDC MCC 2B (P01)	RB-N/42	570'-0"	UDC
CUTLER		6002H335B	M				12E-2529-4 R/AK	250VDC MCC 2B (P01)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	O				12E-2530 R/AA	250VDC MCC 2B (P01)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	C				12E-2530 R/AA	250VDC MCC 2B (P01)	RB-N/42	570'-0"	UDC
CUTLER		10176H135A	OL	4			12E-2529-1 R/AH	250VDC MCC 2B (P02)	RB-N/42	570'-0"	UDC
CUTLER		6002H335B	M				12E-2529-4 R/AK	250VDC MCC 2B (P02)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	O				12E-2529-1 R/AH	250VDC MCC 2B (P02)	RB-N/42	570'-0"	UDC
CUTLER		6002H346B	C				12E-2529-1 R/AH	250VDC MCC 2B (P02)	RB-N/42	570'-0"	UDC
GE	AUX	CR105X	42/O				12E-2505A R/L	28-1-1 (DIST. PNL.)	RB-L/38	517'-6"	UDC
GE	PJC	12PJC11AV1A	151N		N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (11)	RB-N/40	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B23-1X2	12	Y	NO	12E-2520 R/V	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127B23-1X2	12	Y	NC	12E-2429-1 R/AB	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X1	12	Y	NO	12E-2516 R/K	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X1	12	Y	NO	12E-2516 R/K	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B-23-1-1X1	12	N	NC	12E-2430-1 R/BD	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-2NC	12HFA51A42F	127B-23-1X3	10	N	NO	12E-2344-1 R/U	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B-23-1X3	10	Y	NO	12E-2344-1 R/U	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	Y	NO	12E-2345-3 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	N	NO	12E-2345-3 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	N	NO	12E-2345-3 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B23-1X1		N	NO	12E-2345-3, R/ AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B23-1X1		Y	NO	12E-2345-3, R/ AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	N	NC	12E-2437-1 R/AN	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	Y	NC	12E-2437-1 R/AN	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X1	12	N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	N	NC	12E-2437-1 R/AN	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B23-1X3	12	Y	NC	12E-2437-1 R/AN	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127B23-1X4		N	NO	12E-2351B-2, R/ AM	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127B23-1X4		Y	NO	12E-2351B-2, R/ AM	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B23-1X4	12	Y	NC	12E-2437-2 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B23-1X4	12	N	NC	12E-2437-2 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B23-1X4	12	Y	NC	12E-2437-2 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B23-1X4	12	N	NC	12E-2437-2 R/AK	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HFA-NC	12HFA51A42F	127-B23-1X2	12	N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (13)	RB-N/40	545'-6"	UDC
GE	HGA		ASR-2/3-2		Y	NO	12E-2351A-1, R/ AM	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UDC
GE	HGA	12HGA11J52	2/3-6600-IR2		Y	NO	12E-2345-1 R/AT	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UDC
GE	PJC	12PJC11AV1A	151 / SI (N)		N	NO	12E-3344-2, R/W	4KV SWGR 23-1 (3)	RB-N/40	545'-6"	UDC
GE	PJC	12PJC11AV1A	151N		N	NO	12E-2436-1 R/AA	4KV SWGR 23-1 (5)	RB-N/40	545'-6"	UDC
GE	PJC	12PJC11AV1A	151N		N	NO	12E-2349-2 R/AD	4KV SWGR 23-1(7)	RB-N/40	545'-6"	UDC
GE	PJC	12PJC11AV1A	151N		N	NO	12E-2349-1 R/AC	4KV SWGR 23-1 (8)	RB-N/40	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-XT22X		N	NO/NC	12E-2343 R/AC	4KV SWGR 24(6)	TB-D/32	534'-0"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1-X2	10	Y	NO	12E-2346-3, R/AJ	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1-X2	10	N	NO	12E-2346-3, R/AJ	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127B24-1X1		N	NO	12E-2346-3, R/A	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B24-1X3		Y	NO	12E-2350B-2, R/ AD	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B24-1X3		N	NO	12E-2350B-2, R/ AD	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	HFA-6NO	12HFA51A42F	159-SD2X		Y	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	HFA-6NO	12HFA51A42F	159-SD2X		N	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HGA	12HGA11J52G	ASR-2		Y	NO	12E-2350A-1, R/ AH	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X2	10	Y	NO	12E-2516 R/K	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X2	10	Y	NO	12E-2520 R/V	4KV SWGR 24-1(3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127B-24-1-1X1	10	N	NC	12E-2430-2 R/BD	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X1	10	N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X2	10	N	NC	12E-2438-2 R/AR	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X2	10	Y	NC	12E-2438-2 R/AR	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X2	10	N	NO/NC	12E-2436-2 R/Y	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X2	10	Y	NC	12E-2438-2 R/AR	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B-24-1X3	10	N	NO	12E-2344-3 R/U	4KV SWGR 24-1(3)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B-24-1X3	10	Y	NO	12E-2344-3 R/U	4KV SWGR 24-1(3)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B24-1X3	10	Y	NC	12E-2438-1 R/AS	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B24-1X3	10	N	NC	12E-2438-1 R/AS	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B24-1X3	10	Y	NC	12E-2438-1 R/AS	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B24-1X3	10	N	NC	12E-2438-1 R/AS	4KV SWGR 24-1 (3)	RB-N/41	545'-6"	UDC
GE	PJC	12PJC11AV1A	151N		N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	UDC
GE	PJC	12PJC11AV1A	151N		N	NO	12E-2436-2 R/Y	4KV SWGR 24-1 (8)	RB-N/41	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X2	12	Y	NO	12E-3345-2, R/AK	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X2	12	N	NO	12E-3345-2, R/AK	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127B33-1X1		N	NO	12E-33345-2, R/ AK	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
HFA-3NC	GE	12HFA51A42F	127-B33-1X3		N	NO	12E-2351B-2, R/ AM	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HGA	12HGA11J52	2/3-6600-IR3		Y	NO	12E-3345-1, R/AP	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UDC
GE	HFA	12HFA51A42F	127B33-1X3		Y	NO	12E-2351B-2, R/ AM	4KV SWGR 33-1 (3)	RB-N/47	545'-6"	UDC

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
BARTON	FLOW	289	FS-2354				12E-3527-3 R/AD	2203-29	RB-N/46	496'-0"	UDC
AGASTAT	EGP	EGPD002	287-122B		N	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	EGP	EGPD002	287-123B		N	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	EGP	EGPD002	287-122C		N	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	EGP	EGPD002	287-123C		N	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	TDR	E7022PC002	287-121B		N	NC	12E-3461A R/D	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	TDR	E7022PC002	287-120B		N	NC	12E-3461A R/D	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	TDR	E7022PC002	287-121C		N	NC	12E-3462A R/C	2203-32	RB-L/47	545'-6"	UDC
AGASTAT	TDR	E7022PC002	287-120C		N	NC	12E-3461A R/C	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA	287-108A		Y	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA	287-108A		N	NC	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA	287-108C		Y	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA	287-108C		N	NC	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA151A2H	287-108D		N	NC	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA151A2H	287-108E		N	NC	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42H	287-108B		N	NC	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-3461A R/D	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107A	6B	N	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HFA-6NO	12HFA151A2H	287-107B	6B	N	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HGA		287-115A		Y	NO	12E-3461-1 R/AL	2203-32	RB-L/47	545'-6"	UDC
GE	HGA		287-115D		Y	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HGA		287-115E		Y	NO	12E-3462-3 R/AB	2203-32	RB-L/47	545'-6"	UDC
GE	HGA	12HGA11J52	287-115C		Y	NO	12E-3462A R/C	2203-32	RB-L/47	545'-6"	UDC

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-3NC	12HFA51A42H	181Y-DG3		N	NO/NC	12E-3346-1, R/AL	2253-10	DG 3	517'-6"	UDC
			M				12E-3529 R/AE	250VDC MCC 3A (AA01)	RB-N/47	570'-0"	UDC
			O				12E-3529 R/AE	250VDC MCC 3A (AA01)	RB-N/47	570'-0"	UDC
			OL				12E-3529 R/AE	250VDC MCC 3A (AA01)	RB-N/47	570'-0"	UDC
			C				12E-3529 R/AE	250VDC MCC 3A (AA01)	RB-N/47	570'-0"	UDC
			O				12E-3529 R/AE	250VDC MCC 3A (AA02)	RB-N/47	570'-0"	UDC
			C				12E-3529 R/AE	250VDC MCC 3A (AA02)	RB-N/47	570'-0"	UDC
			M				12E-3529 R/AE	250VDC MCC 3A (AA02)	RB-N/47	570'-0"	UDC
			72/M2				12E-3532 R/S	250VDC MCC 3A (B01)	RB-N/47	570'-0"	UDC
			1A				12E-3532 R/S	250VDC MCC 3A (B01)	RB-N/47	570'-0"	UDC
			2A				12E-3532 R/S	250VDC MCC 3A (B01)	RB-N/47	570'-0"	UDC
			72/M1				12E-3532 R/S	250VDC MCC 3A (C01)	RB-N/47	570'-0"	UDC
			TA				12E-3532 R/S	250VDC MCC 3A (C01)	RB-N/47	570'-0"	UDC
			72/M9				12E-3532 R/S	250VDC MCC 3A (C02)	RB-N/47	570'-0"	UDC
			TA				12E-3532 R/S	250VDC MCC 3A (C02)	RB-N/47	570'-0"	UDC
			72/M1				12E-3532 R/S	250VDC MCC 3A (D02)	RB-N/47	570'-0"	UDC
			TA				12E-3532 R/S	250VDC MCC 3A (D02)	RB-N/47	570'-0"	UDC
			O				12E-3530 R/Q	250VDC MCC 3B (J01)	RB-N/47	570'-0"	UDC
			C				12E-3530 R/Q	250VDC MCC 3B (J01)	RB-N/47	570'-0"	UDC
			M				12E-3530 R/Q	250VDC MCC 3B (J01)	RB-N/47	570'-0"	UDC
			O				12E-3530 R/Q	250VDC MCC 3B (K01)	RB-N/47	570'-0"	UDC
			C				12E-3530 R/Q	250VDC MCC 3B (K01)	RB-N/47	570'-0"	UDC
			M				12E-3530 R/Q	250VDC MCC 3B (K01)	RB-N/47	570'-0"	UDC
			OL				12E-3529 R/AE	250VDC MCC 3B (K02)	RB-N/47	570'-0"	UDC
			O				12E-3529 R/AE	250VDC MCC 3B (K02)	RB-N/47	570'-0"	UDC
			C		N	NO	12E-3529 R/AE	250VDC MCC 3B (K02)	RB-N/47	570'-0"	UDC
			M				12E-3529 R/AE	250VDC MCC 3B (K02)	RB-N/47	570'-0"	UDC
			O				12E-3529 R/AE	250VDC MCC 3B (L01)	RB-N/47	570'-0"	UDC
			C				12E-3529 R/AE	250VDC MCC 3B (L01)	RB-N/47	570'-0"	UDC
			M				12E-3529 R/AE	250VDC MCC 3B (L01)	RB-N/47	570'-0"	UDC

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			OL				12E-3530 R/Q	250VDC MCC 3B (L02)	RB-N/47	570'-0"	UDC
			C				12E-3530 R/Q	250VDC MCC 3B (L02)	RB-N/47	570'-0"	UDC
			O				12E-3530 R/Q	250VDC MCC 3B (L02)	RB-N/47	570'-0"	UDC
			M				12E-3530 R/Q	250VDC MCC 3B (L02)	RB-N/47	570'-0"	UDC
			C				12E-3529 R/AE	250VDC MCC 3B (M02)	RB-N/47	570'-0"	UDC
			O				12E-3529 R/AE	250VDC MCC 3B (M02)	RB-N/47	570'-0"	UDC
			M				12E-3529 R/AE	250VDC MCC 3B (M02)	RB-N/47	570'-0"	UDC
			O				12E-3530 R/Q	250VDC MCC 3B (O02)	RB-N/47	570'-0"	UDC
			C				12E-3530 R/Q	250VDC MCC 3B (O02)	RB-N/47	570'-0"	UDC
			M				12E-3530 R/Q	250VDC MCC 3B (O02)	RB-N/47	570'-0"	UDC
			O				12E-3530 R/Q	250VDC MCC 3B (P01)	RB-N/47	570'-0"	UDC
			C				12E-3530 R/Q	250VDC MCC 3B (P01)	RB-N/47	570'-0"	UDC
			M				12E-3530 R/Q	250VDC MCC 3B (P01)	RB-N/47	570'-0"	UDC
			O				12E-3529 R/AE	250VDC MCC 3B (P02)	RB-N/47	570'-0"	UDC
			C				12E-3529 R/AE	250VDC MCC 3B (P02)	RB-N/47	570'-0"	UDC
			M				12E-3529 R/AE	250VDC MCC 3B (P02)	RB-N/47	570'-0"	UDC
			42/O				12E-3505A R/L	38-1-1 (DIST. PNL.)	RB-L/44	517'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X3	11	Y	NO	12E-3346-2, R/AL	4KV SWGR 24-1 (3)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B24-1X3	11	N	NO	12E-3346-2, R/AL	4KV SWGR 24-1 (3)	RB-N/48	545'-6"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44B		N	NO	12E-3676B R/T	4KV SWGR 33 (1)	TB-D/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44B		N	NO	12E-3676B R/T	4KV SWGR 33 (1)	TB-D/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44B		N	NO	12E-3676B R/T	4KV SWGR 33 (1)	TB-D/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44B		N	NO	12E-3676B R/T	4KV SWGR 33 (1)	TB-D/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	127B-33-X1	12	N	NO	12E-3344-1 R/V	4KV SWGR 33 (12)	TB-D/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	127B-33-X1	12	Y	NO	12E-3344-1 R/V	4KV SWGR 33 (12)	TB-D/55	538'-0"	UDC
GE	PJC	12PJC11AV1A	151N		N	NO	12E-3436-2 R/P	4KV SWGR 33-1 (10)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X2	12	Y	NO	12E-3516 R/F	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X1	12	Y	NO	12E-3520 R/V	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127B-33-1X2	12	N	NC	12E-3430-1 R/AP	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127B33-1X2	12	Y	NC	12E-3429-1 R/U	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-1NC	12HFA51A42F	127-B33-1X1	12	N	NO/NC	12E-3436-1 R/P	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X1	12	Y	NC	12E-3437-2 R/AC	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X1	12	N	NC	12E-3437-2 R/AC	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X2	12	N	NO	12E-3436-2 R/P	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127-B33-1X1	12	Y	NC	12E-3437-2 R/AC	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127B-33-1X3	12	N	NO	12E-3344-1 R/V	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127B-33-1X3	12	Y	NO	12E-3344-1 R/V	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B33-1X3	12	Y	NC	12E-3437-1 R/AD	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B33-1X3	12	N	NC	12E-3437-1 R/AD	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B33-1X3	12	N	NC	12E-3437-1 R/AD	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	HFA-3NC	12HFA51A42F	127-B33-1X3	12	Y	NC	12E-3437-1 R/AD	4KV SWGR 33-1 (13)	RB-N/47	545'-6"	UDC
GE	PJC	12PJC11AV1A	151N/SI		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (2)	RB-N/47	545'-6"	UDC
GE	PJC11AV	12PJC11AV1A	151N		N	NO	12E-3349 R/S	4KV SWGR 33-1 (5)	RB-N/47	545'-6"	UDC
GE	PJC	12PJC11AVA1A	151N		N	NO	12E-3436-1 R/P	4KV SWGR 33-1 (7)	RB-N/47	545'-6"	UDC
GE	PJC	12PJC11AV1A	151N/SI		N	NO	12E-3344-2 R/W	4KV SWGR 33-1 (9)	RB-N/47	545'-6"	UDC
GE	HFA-1NC	12HFA51A42F	127B34X3		N	NO	12E-3350B, R/ AK	4KV SWGR 34 (12)	TB-E/55	538'-0"	UDC
GE	HFA-2NC	12HFA51A42F	127-XT32X		N	NO/NC	12E-3342 R/W	4KV SWGR 34(12)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	127B-34-X2	11	N	NO	12E-3344-3 R/T	4KV SWGR 34(12)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	127B-34-X2	11	Y	NO	12E-3344-3 R/T	4KV SWGR 34(12)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	127B34X1		N	NO	12E-3343, R/ X	4KV SWGR 34 (12)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44C		N	NO	12E-3678A R/U	4KV SWGR 34 (14)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44C		N	NO	12E-3678A R/U	4KV SWGR 34 (14)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44C		N	NO	12E-3678B R/Z	4KV SWGR 34 (14)	TB-E/55	538'-0"	UDC
GE	HFA-6NO	12HFA51A42F	CR3-1501-44C		N	NO	12E-3678B R/Z	4KV SWGR 34 (14)	TB-E/55	538'-0"	UDC
GE	PJC	12PJC11AV1A	151N		N	NO	12E-3436-4 R/Q	4KV SWGR 34-1 (11)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA151A2F	127B-34-1X1	11	N	NC	12E-3430-2 R/AN	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA151A2F	127B34-1X1		N	NO	12E-3346-2, R/ AL	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA151A2F	127-B34-1X1	11	N	NO	12E-3436-3 R/Q	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA151A2F	127-B34-1X2	11	N	NC	12E-3438-2 R/AC	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA151A2F	127-B34-1X2	11	Y	NC	12E-3438-2 R/AC	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HFA-1NC	12HFA151A2F	127-B34-1X2	11	N	NO/NC	12E-3438-2 R/AC	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-1NC	12HFA151A2F	127-B34-1X2	11	Y	NC	12E-3438-2 R/AC	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B-34-1X3	11	N	NO	12E-3344-3 R/T	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B-34-1X3	11	Y	NO	12E-3344-3 R/T	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B34-1X3		Y	NO	12E-3350B, R/ AK	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127B34-1X3		N	NO	12E-3350B, R/ AK	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B34-1X3	11	Y	NC	12E-3438-1 R/AF	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B34-1X3	11	N	NC	12E-3438-1 R/AF	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B34-1X3	11	N	NC	12E-3438-1 R/AF	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HFA-2NC	12HFA51A42F	127-B34-1X3	11	Y	NC	12E-3438-1 R/AF	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	HGA		ASR-3		Y	NO	12E-3350A-1, R/ AC	4KV SWGR 34-1 (13)	RB-N/48	545'-6"	UDC
GE	PJC	12PJC11AV1A	151N		N	NO	12E-3436-3 R/Q	4KV SWGR 34-1 (5)	RB-N/48	545'-6"	UDC
GE	PJC	12PJC11AV1A	151N		N	NO	12E-3349 R/S	4KV SWGR 34-1 (6)	RB-N/48	545'-6"	UDC
AGASTAT	EGP	EGPI002	202-60-139J		N	NO	12E-3420A R/T	903-4	MCR	534'-0"	UDC

Exhibit 5-1

OUTLIER SEISMIC VERIFICATION SHEET (OSVS)

1. OUTLIER IDENTIFICATION, DESCRIPTION, AND LOCATION

Equipment ID Number SEE ATTACHED Equipment Class _____

Equipment Location: Building _____ Floor Elevation _____

Room or Row/Column ____ Base Elevation _____

Equipment Description MISC. RELAYS. _____

2. OUTLIER ISSUE DEFINITION

a. Identify all the screening guidelines which are not met. (Check more than one if several guidelines could not be satisfied.)

Mechanical and Electrical Equipment		Tanks and Heat Exchangers	
Capacity vs. Demand	____	Shell Buckling[1]	____
Caveats	____	Anchor Bolts and Embedment	____
Anchorage	____	Anchorage Connections	____
Seismic Interaction	____	Flexibility of Attached Piping[1]	____
Other	____	Other	____
		Cable and Conduit Raceways	
Essential Relays		Inclusion Rules	____
Capacity vs. Demand	____	Other Seismic Performance Concerns	____
Mounting, Type, Location	____	Limited Analytical Review	____
Other	X	Other	____

1 Shell buckling and flexibility of attached piping only apply to large, flat-bottom, vertical tanks.

b. Describe all the reasons for the outlier (i.e., if all the listed outlier issues were resolved, then the signatories would consider this item of equipment to be verified for seismic adequacy):

OUTLIERS ARE DUE TO EITHER NAMEPLATE INFORMATION NOT BEING AVAILABLE, OR CAPACITY EXCEEDING DEMAND

UIE

Exhibit 5-1 (Cont'd)

OUTLIER SEISMIC VERIFICATION SHEET (OSVS)

Equipment ID Number SEE ATTACHED

3. PROPOSED METHOD OF OUTLIER RESOLUTION (OPTIONAL)

a. Define proposed method(s) for resolving outlier.

BASED ON AGE OF INSTALLED COMPONENTS, SEISMIC QUALIFICATION MAY EXIST. DETERMINE IF SEISMIC QUALIFICATION EXISTS. IF NOT, RESOLVE BY UNIQUE QUALIFICATION ANALYSIS, OR REPLACEMENT

b. Provide information needed to implement proposed method(s) for resolving outlier (e.g., estimate of fundamental frequency).

ORIGINAL INSTALLATION DOCUMENTATION.

4. CERTIFICATION:

The information on this OSVS is, to the best of our knowledge and belief, correct and accurate, and resolution of the outlier issues listed on the previous page will satisfy the requirements for this item of equipment to be verified for seismic adequacy:

Approved by: (For Equipment Classes #0 - #22, all the Seismic Capability Engineers on the Seismic Review Team (SRT) should sign; there should be at least two on the SRT. One signatory should be a licensed professional engineer. For Relays, the Lead Relay Reviewer should sign.)

IRFAN HUSSAIN		5/10/96
Print or Type Name	Signature	Date
R.M. PAHLGREN		5/10/96
Print or Type Name	Signature	Date
Print or Type Name	Signature	Date

UIE

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			3R		Y	NO	12E-6811D, R/6	2/3-9400-102	TR B HVAC	534'-0"	UIE
			9R		Y	NO	12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			PSH-2/3-5741-064				12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			1TR		N	NC	12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			10R		Y	NC	12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			PSL-2/3-5741-065				12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			1R		Y	NO	12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			PSL-2/3-5741-067				12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			4R		Y	NO	12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			TSHX				12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			TSLX				12E-6811J, R/3	2/3-9400-102	TR B HVAC	534'-0"	UIE
			NH3				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			CH3CL2				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			CH3CL2				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			NH3				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			NH3				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			CH3CL2				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			NH3				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			CH3CL2				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			CH3CL2				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			NH3				12E-6811H, R/B	2/3-9400-103	TR B HVAC	534'-0"	UIE
			CR6	20	Y	NO	12E-6811D, R/6	2/3-9400-105	TR B HVAC	534'-0"	UIE
P&B	MDR		CR17		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	UIE
P&B	MDR		CR17		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	UIE
P&B	MDR		CR17		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	UIE
P&B	MDR		CR17		N	NO	12E-6811B, R/B	2/3-9400-105	TR B HVAC	534'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-4		N	NO	12E-2527 R/BA	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02A		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02C		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-4		N	NO	12E-2527 R/BA	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02A		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02C		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-4		N	NO	12E-2527 R/BA	2202-73A	TB-H/35	538'-0"	UIE

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 AND COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT	EGP	EGP-B-002	2-2391-02A		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02C		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-4		N	NO	12E-2527 R/BA	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-4		N	NO	12E-2527 R/BA	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-4		N	NO	12E-2527 R/BA	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02A		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02C		N	NO	12E-2528 R/AS	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-1501-93A		N	NC	12E-2437-2 R/AM	2202-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-6		N	NO	12E-2527 R/BA	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02B		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02D		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-6		N	NO	12E-2527 R/BA	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02B		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02D		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-6		N	NO	12E-2527 R/BA	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02B		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02D		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-6		N	NO	12E-2527 R/BA	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-6		N	NO	12E-2527 R/BA	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-6		N	NO	12E-2527 R/BA	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02B		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-2391-02D		N	NO	12E-2528 R/AS	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	2-1501-93B		N	NC	12E-2438-2 R/AR	2202-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGPD003	427Y1-23-1		N	NO	12E-2345-3, R/ AK	2252-83	RB-N/39	545'-6"	UIE
AGASTAT	ETR	ETR-14D3B	27XTD-23-1		N	NO	12E-2345-1 R/AT	2252-83	RB-N/39	545'-6"	UIE
AGASTAT	ETR	ETR14D3N402	TDR / 23-1		N	NO	112E-2345-3, R/ AK	2252-83	RB-N/39	545'-6"	UIE
AGASTAT	EGP	EGPD003	427Y1-24-1		N	NO	12E-2346-3, R/A	2252-84	RB-N/42	545'-6"	UIE
AGASTAT	ETR	ETR-14D3B	27XTD-24-1	10	N	NO	12E-2346-2, R/AN	2252-84	RB-N/42	545'-6"	UIE
AGASTAT	ETR	ETR14D3N002	TDR / 24-1		N	NO	12E-2346-3, R/ AJ	2252-84	RB-N/42	545'-6"	UIE
AGASTAT	EGP	EGPD	427Y1-33-1		N	NO	12E-2345-2, R/ AK	2253-83	RB-N/47	545'-6"	UIE
AGASTAT	ETR	ETR	TDR 33-1		N	NO	12E-2345-2, R/ AK	2253-83	RB-N/47	545'-6"	UIE
AGASTAT	ETR	ETR-14D3B	27XTD-33-1		N	NO	12E-3345-1, R/AP	2253-83	RB-N/47	545'-6"	UIE
			CR3		Y	NO	12E-6811B, R/B	D00-9400-0101-F10	TR B HVAC	534'-0"	UIE

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			TC-2/3-5741-033A				12E-6811A, R/5	D00-9400-0101-F10	TR B HVAC	534'-0"	UIE
			TC02				12E-6811B, R/B	D00-9400-0101-F10	TR B HVAC	534'-0"	UIE
			AFS-1				12E-6811B, R/B	D00-9400-0101-F10	TR B HVAC	534'-0"	UIE
ITE ABB	81	422C1276-L	81		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	UIE
ITE ABB	81	422C1276-L	81		N	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	UIE
ITE ABB	81	422C1276-L	81		Y	NO	12E-2662E R/B	MCC 29-7 (D2)	RB-N/42	517'-6"	UIE

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT		EGP-B-002	3-2391-4		N	NO	12E-3527-1 R/AH	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02A		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02C		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-4		N	NO	12E-3527-1 R/AH	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02A		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02C		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-4		N	NO	12E-3527-1 R/AH	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02A		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02C		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-4		N	NO	12E-3527-1 R/AH	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-4		N	NO	12E-3527-1 R/AH	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-4		N	NO	12E-3527-1 R/AH	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02A		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02C		N	NO	12E-3528-1 R/AD	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	3-1501-93A		N	NC	12E-3437-2 R/AC	2203-73A	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-6		N	NO	12E-3527-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02B		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02D		N	NO	12E-3528-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-6		N	NO	12E-3527-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02B		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02D		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-6		N	NO	12E-3527-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02B		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02D		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-6		N	NO	12E-3527-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-6		N	NO	12E-3527-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-6		N	NO	12E-3527-1 R/AH	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02B		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT		EGP-B-002	3-2391-02D		N	NO	12E-3528-1 R/AD	2203-73B	TB-H/35	538'-0"	UIE
AGASTAT	EGP	EGP-B-002	3-1501-93B		N	NC	12E-3438-2 R/AC	2203-73B	TB-H/35	538'-0"	UIE

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
AGASTAT	EGP	EGPD	427Y1-34-1		N	NO	12E-3346-2, R/ AL	2253-84	RB-N/48	545'-6"	UIE
AGASTAT	EGPD		459X1-34-1		Y	NO	12E-3346-2, R/ AL	2253-84	RB-N/48	545'-6"	UIE
AGASTAT	ETR	ETR-14D3B	27XTD-34-1	11	Y	NO	12E-3346-1, R/AL	2253-84	RB-N/48	545'-6"	UIE
AGASTAT	ETR	ETR-14D3B	27XTD-34-1	11	N	NO	12E-3346-1, R/AL	2253-84	RB-N/48	545'-6"	UIE
ITE		422C1276-L	81		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	UIE
ITE		422C1276-L	81		N	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	UIE
ITE		422C1276-L	81		Y	NO	12E-3662E R/B	MCC 39-7 (B3)	RB-N/48	517'-6"	UIE

Exhibit 5-1

OUTLIER SEISMIC VERIFICATION SHEET (OSVS)

1. OUTLIER IDENTIFICATION, DESCRIPTION, AND LOCATION

Equipment ID Number SEE ATTACHED Equipment Class _____

Equipment Location: Building _____ Floor Elevation _____

Room or Row/Column ____ Base Elevation _____

Equipment Description MISC RELAYS _____

2. OUTLIER ISSUE DEFINITION

a. Identify all the screening guidelines which are not met. (Check more than one if several guidelines could not be satisfied.)

Mechanical and Electrical Equipment		Tanks and Heat Exchangers	
Capacity vs. Demand	____	Shell Buckling[1]	____
Caveats	____	Anchor Bolts and Embedment	____
Anchorage	____	Anchorage Connections	____
Seismic Interaction	____	Flexibility of Attached Piping[1]	____
Other	____	Other	____
		Cable and Conduit Raceways	
Essential Relays		Inclusion Rules	____
Capacity vs. Demand	____	Other Seismic Performance Concerns	____
Mounting, Type, Location	____	Limited Analytical Review	____
Other	X	Other	____

1 Shell buckling and flexibility of attached piping only apply to large, flat-bottom, vertical tanks.

b. Describe all the reasons for the outlier (i.e., if all the listed outlier issues were resolved, then the signatories would consider this item of equipment to be verified for seismic adequacy):

THE SUBJECT DEVICES ARE LOW RUGGEDNESS.

Exhibit 5-1 (Cont'd)

OUTLIER SEISMIC VERIFICATION SHEET (OSVS)

Equipment ID Number SEE ATTACHED

3. PROPOSED METHOD OF OUTLIER RESOLUTION (OPTIONAL)

a. Define proposed method(s) for resolving outlier.

THE SUBJECT SWITCHES ARE BEING REPLACED BY MODIFICATION M12-2(3)-94-002. REVIEW MODIFICATION TO ASSURE SEISMIC QUALIFICATION EXISTS.

b. Provide information needed to implement proposed method(s) for resolving outlier (e.g., estimate of fundamental frequency).

MODIFICATION DOCUMENTATION FOR MOD # M12-2(3)-94-002. (YARWAY LEVEL SWITCH REPLACEMENT)

4. CERTIFICATION:

The information on this OSVS is, to the best of our knowledge and belief, correct and accurate, and resolution of the outlier issues listed on the previous page will satisfy the requirements for this item of equipment to be verified for seismic adequacy:

Approved by: (For Equipment Classes #0 - #22, all the Seismic Capability Engineers on the Seismic Review Team (SRT) should sign; there should be at least two on the SRT. One signatory should be a licensed professional engineer. For Relays, the Lead Relay Reviewer should sign.)

IRFAN HUSSAIN	[signature]	5/10/96
Print or Type Name	Signature	Date
R.M. DAHLGREN	[signature]	5/10/96
Print or Type Name	Signature	Date
Print or Type Name	Signature	Date

UMOP

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			LIS-263-72C				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72C				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72C				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72C				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72C				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72A				12E-2430-1, R/ BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72C				12E-2430-1, R/ BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72A				12E-2430-1, R/ BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72C				12E-2430-1, R/ BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72A				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72A				12E-2430-1 R/BD	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72D				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72D				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72D				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72D				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72D				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72B				12E-2430-2, R/ BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72D				12E-2430-2, R/ BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72B				12E-2430-2, R/ BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72D				12E-2430-2, R/ BD	2202-6	RB-M/41	545'-6"	UMO
			263-72B	6B			12E-2527 R/BA	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72B				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72B				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72A				12E-3430-1, R/ AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-3430-1, R/ AP	2203-5	RB-M/47	545'-6"	UMO
			LIS-263-72B				12E-3430-2, R/ AN	2203-6	RB-K/49	545'-6"	UMO
			LIS-263-72D				12E-3430-2, R/ AN	2203-6	RB-K/49	545'-6"	UMO

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
YARWAY	LEVEL	4418C	LIS-263-72C				12E-3430-1 R/AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-3430-1 R/AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-3430-1 R/AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-2430-1 R/AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-2430-1 R/BD	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72A				12E-3430-1, R/ AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-3430-1, R/ AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72A				12E-3430-1 R/AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72A				12E-3430-1 R/AP	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-2430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-2430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72B				12E-3430-2, R/ AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-3430-2, R/ AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	263-72B	6B			12E-3527-3 R/AD	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72B				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72B				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO

IPEEE RELAY SCREENING OUTLIERS
TABULATION
DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
YARWAY	LEVEL	4418C	LIS-263-72C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72C				12E-3437-1 R/AD	2203-5	RB-M/47	545'-6"	UMO
YARWAY	LEVEL	4418C	LIS-263-72D				12E-3430-2 R/AN	2203-6	RB-K/49	545'-6"	UMO

IPEEE RELAY SCREENING OUTLIERS
TABULATION
DRESDEN NUCLEAR POWER STATION: UNIT 2 AND COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			LIS-263-72C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72D				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO
			LIS-263-72C				12E-2437-1 R/AN	2202-5	RB-E/39	545'-6"	UMO
			LIS-263-72D				12E-2430-2 R/BD	2202-6	RB-M/41	545'-6"	UMO

Exhibit 5-1

OUTLIER SEISMIC VERIFICATION SHEET (OSVS)

1. OUTLIER IDENTIFICATION, DESCRIPTION, AND LOCATION

Equipment ID Number SEE ATTACHED Equipment Class _____

Equipment Location: Building _____ Floor Elevation _____

Room or Row/Column ____ Base Elevation _____

Equipment Description _____

2. OUTLIER ISSUE DEFINITION

a. Identify all the screening guidelines which are not met. (Check more than one if several guidelines could not be satisfied.)

Mechanical and Electrical Equipment		Tanks and Heat Exchangers	
Capacity vs. Demand	____	Shell Buckling[1]	____
Caveats	____	Anchor Bolts and Embedment	____
Anchorage	____	Anchorage Connections	____
Seismic Interaction	____	Flexibility of Attached Piping[1]	____
Other	____	Other	____
		Cable and Conduit Raceways	
Essential Relays		Inclusion Rules	____
Capacity vs. Demand	____	Other Seismic Performance Concerns	____
Mounting, Type, Location	____	Limited Analytical Review	____
Other	X	Other	____

1 Shell buckling and flexibility of attached piping only apply to large, flat-bottom, vertical tanks.

b. Describe all the reasons for the outlier (i.e., if all the listed outlier issues were resolved, then the signatories would consider this item of equipment to be verified for seismic adequacy):

FOR THE EQUIPMENT ON THE ATTACHED LIST, INSUFFICIENT NAMEPLATE/WALKDOWN DATA COULD BE OBTAINED TO PERFORM SCREENING

Exhibit 5-1 (Cont'd)

OUTLIER SEISMIC VERIFICATION SHEET (OSVS)

Equipment ID Number SEE ATTACHED

3. PROPOSED METHOD OF OUTLIER RESOLUTION (OPTIONAL)

a. Define proposed method(s) for resolving outlier.

OBTAIN DATA & SCREEN RELAYS. IF RELAYS CANNOT BE SCREENED, REPLACE, OR RE-EVALUATE CIRCUITS

b. Provide information needed to implement proposed method(s) for resolving outlier (e.g., estimate of fundamental frequency).

RELAY MODEL NUMBERS

4. CERTIFICATION:

The information on this OSVS is, to the best of our knowledge and belief, correct and accurate, and resolution of the outlier issues listed on the previous page will satisfy the requirements for this item of equipment to be verified for seismic adequacy:

Approved by: (For Equipment Classes #0 - #22, all the Seismic Capability Engineers on the Seismic Review Team (SRT) should sign; there should be at least two on the SRT. One signatory should be a licensed professional engineer. For Relays, the Lead Relay Reviewer should sign.)

Print or Type Name	Signature	Date
IRFAN HUSSAIN		5/10/96
R.M. DAHLGREN		5/10/96

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			A		Y	NO/NC	12E-2676B, R / AA	2223-109	DG 2/3	517'-6"	UND
			A		N	NO/NC	12E-2676B, R / AA	2223-109	DG 2/3	517'-6"	UND
			N		Y	NO/NC	12E-2676B, R / AA	2223-109	DG 2/3	517'-6"	UND
			N		N	NO/NC	12E-2676B, R / AA	2223-109	DG 2/3	517'-6"	UND
			IV		N	NC	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
			IV		Y	NC	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
			LO		N	NO	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
			LO		Y	NO	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
			OTL				12E-2351A-1, R/ AM	2223-41	DG 2/3	517'-6"	UND
			SE		N	NO/NC	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
			SE		Y	NO/NC	12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
			TS				12E-2337, R/ Q	2223-41	DG 2/3	517'-6"	UND
			OTL				12E-2350A-1, R/AC	2252-21	DG 2	517'-6"	UND
			227-B29X3		N	NO	12E-2349-2 R/AD	480V SWGR 29 (292B)	RB-N/41	570'-0"	UND
			52/Y		N	NO/NC	12E-2436-1 R/AA	4KV SWGR 23-1 (11)	RB-N/40	545'-6"	UND
			151 /SI(A)		N	NO	12E-2345-4 R/B	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			151 /SI(B)		N	NO	12E-2345-4 R/B	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			151 /SI(C)		N	NO	12E-2345-4 R/B	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			151N/SI		N	NO	12E-2345-4 R/B	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			52Y		Y	NO	12E-2345-1 R/AT	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UND
			52Y		N	NO	12E-2345-1 R/AT	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UND
			52Y		N	NO	12E-2345-1 R/AT	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UND
			AR 152-2333		N	NO	12E-2345-2 R/AM	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UND
			AR152-2333		N	NO	12E-2345-2, R/AM	4KV SWGR 23-1 (14)	RB-N/40	545'-6"	UND
			52/Y		N	NO/NC	12E-2436-1 R/AA	4KV SWGR 23-1 (5)	RB-N/40	545'-6"	UND
			52Y		Y	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UND
			52Y		N	NO	12E-2346-2, R/AN	4KV SWGR 24-1 (2)	RB-N/41	545'-6"	UND
			52/Y		N	NO/NC	12E-2436-2 R/Y	4KV SWGR 24-1 (6)	RB-N/41	545'-6"	UND
			52/Y		N	NO/NC	12E-2436-2 R/Y	4KV SWGR 24-1 (8)	RB-N/41	545'-6"	UND
			52Y		Y	NO	12E-3345-1, R/AP	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UND
			52Y		N	NO	12E-3345-1, R/AP	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UND
			AR 152-3333		N	NO	12E-2345-2 R/AM	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UND
			AR152-3333		N	NO	12E-2345-2, R/AM	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UND

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			ASR 2/3-3		Y	NO	12E-2351A-1, R/ AM	4KV SWGR 33-1 (14)	RB-N/47	545'-6"	UND
			1530-201		Y	NC	12E-2662E R/B	902-33	AEER	517'-6"	UND
			1530-201		N	NC	12E-2662E R/B	902-33	AEER	517'-6"	UND
			1530-201		Y	NC	12E-2662E R/B	902-33	AEER	517'-6"	UND
			1530-201		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	UND
			1530-202		Y	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	UND
			1530-202		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	UND
			1530-202		Y	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	UND
			1530-202		N	NO	12E-2438-1 R/AS	902-33	AEER	517'-6"	UND
			ER		N	NO	12E-2350A-1, R/ AH	902-33	AEER	517'-6"	UND
			ER		Y	NO	12E-2350A-1, R/ AH	902-33	AEER	517'-6"	UND
			CR-2/3-5731		N	NO	12E-6811B, R/B	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-2375,, R/R	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-2375,, R/R	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-2375,, R/R	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-6811B, R/B	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-6811A, R/5	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-6811A, R/5	923-5	MCR	534'-0"	UND
			CR-2/3-5731		N	NO	12E-6811B, R/B	923-5	MCR	534'-0"	UND
			CR-2/3-5731		Y	NC	12E-6811B, R/B	923-5	MCR	534'-0"	UND
			DSH				12E-2389B, R/E	D00-83250-0--B05	TB-G/32	549'-0"	UND
			DSH				12E-2389D, R/E	D02-8300--2--B05	TB-E/31	549'-0"	UND
			DSH				12E-2389D, R/E	D02-8300--2A--B05	TB-E/31	549'-0"	UND
			DSH				12E-2389A, R/D	D02-83250-2--B05	TB-G/32	549'-0"	UND
			67UK1				12E-2389, R/U	D02-9802-2ANEG-B05	TB-E/31	549'-0"	UND
			67UK1				12E-2389, R/U	D02-9802-2APOS-B05	TB-E/31	549'-0"	UND
			67UK1				12E-2389, R/U	D02-9802-2BNEG-B05	TB-E/31	549'-0"	UND
			67UK1				12E-2389, R/U	D02-9802-2BPOS-B05	TB-E/31	549'-0"	UND
			LS-2-LCS1				12E-2532 R/AB	LS-2-LCS1	U2 HPCI		UND
			LS-2-LCS2				12E-2528 R/AS	LS-2-LCS2	U2HPCI		UND
			CR 2971		Y	NC	12E-2374 R/AB	MCC 29-7 (D1)	RB-N/42	517'-6"	UND
			CR 2971		N	NC	12E-2374 R/AB	MCC 29-7 (D1)	RB-N/42	517'-6"	UND
			CR / ALT		N	NO	12E-2351B-1, R/ AF	MCC 38-3 (C4)	TB-G/52	538'-0"	UND

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			CR / ALT		Y	NO	12E-2351B-1, R/ AF	MCC 38-3 (C4)	TB-G/52	538'-0"	UND

SQUG RELAY SCREENING AND EVALUATION
TABULATION
DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			OTL				12E-3350A-1, R/ AC	2253-21	DG 3	517'-6"	UND
			151/SI(A)		N	NO	12E-2345-4 R/A	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			151/SI(B)		N	NO	12E-2345-4 R/A	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			151/SI(C)		N	NO	12E-2345-4 R/A	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			151N		N	NO	12E-2345-4 R/A	4KV SWGR 23-1 (12)	RB-N/40	545'-6"	UND
			152Y				12E-3342 R/W	4KV SWGR 33 (3)	TB-D/55	538'-0"	UND
			52/Y		N	NO/NC	12E-3436-2 R/P	4KV SWGR 33-1 (10)	RB-N/47	545'-6"	UND
			52/Y		N	NO/NC	12E-3436-1 R/P	4KV SWGR 33-1 (7)	RB-N/47	545'-6"	UND
			52/Y		N	NO/NC	12E-3436-4 R/Q	4KV SWGR 34-1 (11)	RB-N/48	545'-6"	UND
			52/Y		N	NO/NC	12E-3436-3 R/Q	4KV SWGR 34-1 (5)	RB-N/48	545'-6"	UND
			159-1-SD2				12E-3346-2, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UND
			159-2-SD2				12E-3346-2, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UND
			159-SD3X		Y	NO	12E-3346-1, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UND
			159-SD3X		N	NO	12E-3346-1, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UND
			52Y		Y	NO	12E-3346-1, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UND
			52Y		N	NO	12E-3346-1, R/AL	4KV SWGR 34-1 (7)	RB-N/48	545'-6"	UND
			590-109A		N	NC/NO	12E-3467-3 R/AC	903-15	MCR	534'-0"	UND
			590-109A		N	NO	12E-3467-2 R/X	903-15	MCR	534'-0"	UND
			590-109A	14	N	NO	12E-3467-2 R/X	903-15	MCR	534'-0"	UND
			590-109C		N	NC/NO	12E-3467-3 R/AC	903-15	MCR	534'-0"	UND
			590-109C	14	N	NO	12E-3467-2 R/X	903-15	MCR	534'-0"	UND
			590-109B		N	NC/NO	12E-3467-3 R/AC	903-17	MCR	534'-0"	UND
			590-109B		N	NO	12E-3467-2 R/X	903-17	MCR	534'-0"	UND
			590-109B	14	N	NO	12E-3467-2 R/X	903-17	MCR	534'-0"	UND
			590-109D		N	NC/NO	12E-3467-3 R/AC	903-17	MCR	534'-0"	UND
			590-109D	14	N	NO	12E-3467-2 R/X	903-17	MCR	534'-0"	UND
			281-103	14	Y	NC	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-109	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-110	14	N	NC	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-111	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND

SQUG RELAY SCREENING AND EVALUATION
TABULATION
DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
			281-111	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-111	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-111	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-112	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-112	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-112	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-112	14	N	NO	12E-3414 R/V	903-28	AEER	517'-6"	UND
			281-114	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-114	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-115	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-115	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-116	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-116	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			281-118	14	N	NO	12E-3415 R/P	903-28	AEER	517'-6"	UND
			ER		N	NO	12E-3350A-1, R/ AC	903-33	AEER	517'-6"	UND
			ER		Y	NO	12E-3350A-1, R/ AC	903-33	AEER	517'-6"	UND
			1020-101A/A		N	NO	12E-3516 R/F	903-4	MCR	534'-0"	UND
			1020-101B/A		N	NO	12E-3516 R/F	903-4	MCR	534'-0"	UND
			1020-101C/A		N	NO	12E-3516 R/F	903-4	MCR	534'-0"	UND
			PS-6				12E-3532 R/S	D03-2301-EBOP	RB-N/46	476'-6"	UND
			DSH				12E-3974, R/C	D03-8300--3---B05	TB-H/56	538'-0"	UND
			DSH				12E-3974A, R/B	D03-8300--3A--B05	TB-H/56	538'-0"	UND
			DSH				12E-3389A, R/F	D03-83250-3---B05	TB-H/56	538'-0"	UND
			67UK1				12E-3389, R/S	D03-9802-3ANEG-B05	TB-H/56	538'-0"	UND
			67UK1				12E-3389, R/S	D03-9802-3APOS-B05	TB-H/56	538'-0"	UND
			67UK1				12E-3389, R/S	D03-9802-3BNEG-B05	TB-H/56	538'-0"	UND
			67UK1				12E-3389, R/S	D03-9802-3BPOS-B05	TB-H/56	538'-0"	UND
			LS-3-LCS1				12E-3532 R/S	LS-3-LCS1	U3 HPCI		UND
			LS-3-LCS2				12E-3528-1 R/AD	LS-3-LCS2	U3 HPCI		UND
			PS-3-2301-PS4				12E-3532 R/S	PS-3-2301-PS4	U3 HPCI		UND

Exhibit 5-1

OUTLIER SEISMIC VERIFICATION SHEET (OSVS)

1. OUTLIER IDENTIFICATION, DESCRIPTION, AND LOCATION

Equipment ID Number SEE ATTACHED Equipment Class _____

Equipment Location: Building _____ Floor Elevation _____

Room or Row/Column ____ Base Elevation _____

Equipment Description MISC. RELAYS _____

2. OUTLIER ISSUE DEFINITION

a. Identify all the screening guidelines which are not met. (Check more than one if several guidelines could not be satisfied.)

Mechanical and Electrical Equipment		Tanks and Heat Exchangers	
Capacity vs. Demand	____	Shell Buckling[1]	____
Caveats	____	Anchor Bolts and Embedment	____
Anchorage	____	Anchorage Connections	____
Seismic Interaction	____	Flexibility of Attached Piping[1]	____
Other	____	Other	____
		Cable and Conduit Raceways	
Essential Relays		Inclusion Rules	____
Capacity vs. Demand	____	Other Seismic Performance Concerns	____
Mounting, Type, Location	____	Limited Analytical Review	____
Other	X	Other	____

1 Shell buckling and flexibility of attached piping only apply to large, flat-bottom, vertical tanks.

b. Describe all the reasons for the outlier (i.e., if all the listed outlier issues were resolved, then the signatories would consider this item of equipment to be verified for seismic adequacy):

IDENTIFIED DEVICES ARE LOW RUGGEDNESS DEVICES

ULR

Exhibit 5-1 (Cont'd)

OUTLIER SEISMIC VERIFICATION SHEET (OSVS)

Equipment ID Number SEE ATTACHED

3. PROPOSED METHOD OF OUTLIER RESOLUTION (OPTIONAL)

a. Define proposed method(s) for resolving outlier.

REPLACE DEVICES OR RE-ANALYSIS OF CIRCUIT TO ELIMINATE NEED FOR DEVICE (SCREEN AS CHATTER ACCEPTABLE)

b. Provide information needed to implement proposed method(s) for resolving outlier (e.g., estimate of fundamental frequency).

SUITABLE REPLACEMENTS.

4. CERTIFICATION:

The information on this OSVS is, to the best of our knowledge and belief, correct and accurate, and resolution of the outlier issues listed on the previous page will satisfy the requirements for this item of equipment to be verified for seismic adequacy:

Approved by: (For Equipment Classes #0 - #22, all the Seismic Capability Engineers on the Seismic Review Team (SRT) should sign; there should be at least two on the SRT. One signatory should be a licensed professional engineer. For Relays, the Lead Relay Reviewer should sign.)

Print or Type Name	Signature	Date
IRFAN HUSSAIN	I. Hussain	5/10/96
R.M. PATCHEN	[illegible]	5/10/96

UCR

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 2 OR COMMON

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	CEH	12CEH51A1A	140-DG2		N	NO	12E-2346-2, R/AN	2252-10	DG 2	517'-6"	ULR
GE	CEH	12CEH51A1A	140-DG2/3		N	NO	12E-2345-2 R/AM	2223-33	DG 2/3	517'-6"	ULR
GE	CEH	12CEH51A1A	140-DG2/3		N	NO	12E-2345-2, R/AM	2223-33	DG 2/3	517'-6"	ULR
GE	HGA	12HGA11J52G	287-109BB				12E-2461-1 R/AW	902-33	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-109BB				12E-2461-1 R/AW	902-33	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-109BB				12E-2461-1 R/AW	902-33	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-109BB				12E-2461-1 R/AW	902-33	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-109BB				12E-2461-1 R/AW	902-33	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-114A		N	NC	12E-2461-1 R/AW	902-32	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-114B		N	NC	12E-2461-1 R/AW	902-32	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-114C		N	NC	12E-2462-1 R/AW	902-32	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-114D		N	NC	12E-2462-1 R/AW	902-32	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-114E		N	NC	12E-2462-2 R/AW	902-32	AEER	517'-6"	ULR
MERCOID	PRESS	DAW-443-4132	PS-2360				12E-2527 R/BA	2202-29	RB-N/44	476'-6"	ULR
MERCOID	PRESS	DA-7043-804	PS-2368A				12E-2527 R/BA	2202-29	RB-N/44	476'-6"	ULR
MERCOID	PRESS	DA-7043-804	PS-2368B				12E-2527 R/BA	2202-29	RB-N/44	476'-6"	ULR
WEST.	SV	STYLE	FFCO		N	NO/NC	12E-2351A-1, R/ AM	2233-41	DG 2/3	517'-6"	ULR
WEST.	SV	STYLE	FFCO		Y	NO/NC	12E-2351A-1, R/ AM	2233-41	DG 2/3	517'-6"	ULR
WEST.	SV	STYLE	FFCO		N	NO/NC	12E-2350A-1, R/ AH	2252-21	DG 2	517'-6"	ULR
WEST.	SV	STYLE	FFCO		Y	NO/NC	12E-2350A-1, R/ AH	2252-21	DG 2	517'-6"	ULR

SQUG RELAY SCREENING AND EVALUATION

TABULATION

DRESDEN NUCLEAR POWER STATION: UNIT 3

MFGR	TYPE	MODEL	CONTACT NO	NOTES	ENER	NO/ NC	SCHEMATIC DWG NO REV	PANEL	BUILDING	ELEVATION	SAT
GE	HGA	12HGA11J52	1530-201		N	NC	12E-3662E R/B	903-33	AEER	517'-6"	ULR
GE	HGA	12HGA11J52G	287-109BB				12E-3461-2 R/AC	903-33	AEER	517'-6"	ULR
GE	HGA	121HGA11J52G	287-109BB				12E-3461-1 R/AC	903-33	AEER	517'-6"	ULR
GE	HGA	121HGA11J52G	287-109BB				12E-3462-1 R/AC	903-33	AEER	517'-6"	ULR
GE	HGA	121HGA11J52G	287-109BB				12E-3461-2 R/AC	903-33	AEER	517'-6"	ULR
GE	HGA	121HGA11J52G	287-109BB				12E-3461-2 R/AC	903-33	AEER	517'-6"	ULR
WESTING-	SV	292B402A10	FFCO		N	NO/NC	12E-3350A-1, R/ AC	2253-21	DG 3	517'-6"	ULR
WESTING-	SV	292B402A10	FFCO		Y	NO/NC	12E-3350A-1, R/ AC	2253-21	DG 3	517'-6"	ULR
MERCOID	PRESS.S	DAW-443-4132	PS-2360				12E-3527-3 R/AD	2203-29	RB-N/46	496'-0"	ULR
MERCOID	PRESS.S	DA-7043-804	PS-2368A				12E-3527-3 R/AD	2203-29	RB-N/46	496'-0"	ULR
MERCOID	PRESS.S	DA-7043-804	PS-2368B				12E-3527-3 R/AD	2203-29	RB-N/46	496'-0"	ULR

APPENDIX F

SEISMIC QUALIFICATION UTILITIES GROUP (SQUG) RESUMES OF KEY PERSONNEL

The following contains resumes of key personnel who participated in the Seismic Qualification Utilities Group (SQUG) Relay Review.

ROBERT M. DAHLGREN
Electrical Project Engineering Division
Senior Electrical Engineer

EDUCATION

University of Illinois at Urbana - B.S. Electrical Engineering - 1988
Registration
Professional Engineer - Illinois

PROFICIENCIES

Electrical engineering
Backfit and betterment of nuclear power stations
Site modification engineering support

RESPONSIBILITIES

Mr. Dahlgren is responsible for preparation and review of design modifications to existing nuclear power plants. His work includes the electrical portions of design, design calculations, review and specification of equipment to be modified, and analysis of existing equipment. He assists in the coordination and interface of other Sargent & Lundy and client departments in both home and field offices.

EXPERIENCE

Mr. Dahlgren has been responsible for various phases of nuclear power plant modifications. During his work on the replacement of the limit switch assemblies of safety-related motor-operated valves, he prepared equipment specifications, project plans, and modification design packages, as well as coordinated with interfacing Sargent & Lundy and client departments. In his first assignment at Commonwealth Edison Company's Dresden nuclear station, Mr. Dahlgren was responsible for leading a modification design walkdown and review team, reviewing installer's work packages, review of station procedures, modification testing, and providing site engineering support. Since that assignment, Mr. Dahlgren has been involved with several plant modifications and design studies involving BWR Auxiliary Power, DC, and Emergency Core Cooling Systems. Presently, he works at Dresden Nuclear Station coordinating modification and engineering support activities between home and field offices from conceptual design phases through installation support. Mr. Dahlgren has been formally trained and certified in the development of SQUG Relay Evaluations.

His relevant experience includes:

- **Commonwealth Edison Company**
  - Dresden 2 and 3, nuclear, 850 MW each.
    Site Lead Electrical Engineer.
    Coordinating modification design activities between home and site offices. (1990 to present)

    Loaned servant to provide site engineering support for human factors annunciator upgrade modification. (1989 to 1990)

    Modification of control circuitry of all safety-related motor-operated valves to provide improved operation control room indication. (1989)

    Preparation of electrical installation specification to remove Unit 1 control room. (1989)

  - Quad Cities 1 and 2, nuclear, 850 MW each.
    Modification of control circuitry of all safety-related motor-operated valves to provide improved operating and control room indication. (1989)

    Analysis of operating procedures for adequacy with respect to loading and coordination under partial and total losses of 125 V dc power. (1989)

SQUG

Certificate of Achievement

This is to Certify that

Robert M. Dahlgren

has Completed the
SQUG Equipment Selection and
Relay Evaluation Training Course
Held November 16–18, 1993

Paul W. Hayes, MPR Associates

Richard G. Starck II, MPR Associates

Jess Betlack, MPR Associates

EDUCATION

University of Illinois - B.S. Electrical Engineering - 1974

REGISTRATIONS

Professional Engineer - Illinois, Indiana, Kentucky, Wisconsin

PROFICIENCIES

Electrical engineering
Project scheduling and planning
Conceptual design
Power and control system design
System modifications
Construction interface
SQUG Relay Evaluation

RESPONSIBILITIES

Mr. Bednarczyk is primarily responsible for scheduling, planning, and final approval of all site-initiated electrical projects. This includes primary interface with the client's site engineering and construction staffs on conceptual designs, preparation of construction documents, and assisting in resolution of construction problems. He also directs the work of other engineers and designers and coordinates the interface with other Sargent & Lundy divisions in preparation of construction packages. Other responsibilities include the preparation or review and approval of design calculations.

EXPERIENCE

Mr. Bednarczyk has nearly 20 years of nuclear- and fossil-fueled power plant experience. He is currently working at Commonwealth Edison Company's Quad Cities Station, responsible for coordinating the work of the site electrical staff in assembling installation documents for plant modifications. Projects have included the emergency replacement of a unit main power transformer, installation of a water biocide system, and installation of cables to alleviate voltage-drop problems on several systems. He works closely with the client's engineering staff and with construction personnel throughout the design and installation of the projects.

From 1984 to 1991, Mr. Bednarczyk was part owner of a mechanical/electrical engineering firm. He was responsible for all electrical designs. Projects included commercial, industrial, and municipal type installations.

Previously, Mr. Bednarczyk was the lead S&L site electrical project engineer at PSI Energy's (then Public Service Indiana) Marble Hill nuclear station. He was responsible for the onsite electrical design teams. He also worked closely with the client and contractors in resolving construction problems.

From 1974 to 1982, Mr. Bednarczyk worked on several fossil plant projects. He was involved with the electrical design on most of the major plant systems, including the boiler and turbine controls, the auxiliary electrical system, dc systems, auxiliary generators, pollution control equipment, and power transformers. He was also responsible for preparation of procurement documents for equipment and installation specifications.

His specific experience includes:

- **Commonwealth Edison Company**
  - Quad Cities 1 and 2, nuclear, 850 MW each.
    Lead Site Senior Electrical Project Engineer. Coordinating the work of the site electrical staff in assembling installation documents for plant modifications. Projects have included the emergency replacement of a unit main power transformer, installation of a water

biocide system, and installation of cables to alleviate voltage-drop problems on several systems. Successfully completed formal Seismic Qualification Utility Group (SQUG) relay review training course. (1991 to present)

- **PSI Energy**
  - Marble Hill 1 and 2, nuclear, 1175 MW (cancelled).
    Lead Site Electrical Project Engineer. Coordinated the preparation of electrical design documents onsite. Primary interface with client's site staff and with contractors. Worked closely with contractors in resolving installation problems. (1983 to 1984)

- **Tennessee Valley Authority**
  - Muscle Shoals, fossil.
    Electrical Project Engineer. Electrical design and procurement specifications for electrical equipment on a boiler-balanced draft conversion and pollution control project. Project involved reworking the auxiliary power, boiler control, and waste removal systems, and installation of additional electrostatic precipitator capacity. (1981 to 1982)

- **New York Power Authority**
  - 760 MW fossil power plant.
    Electrical Project Engineer. Conceptual electrical design of a multi-fuel fossil and refuse-fired generating station. Responsible for auxiliary power system calculations and studies, design of the electrical systems, and preparing procurement documents for the equipment. Also provided electrical interface on turbine and boiler control systems. (1979 to 1981)

- **Illinois Power**
  - Clinton, nuclear, 985 MW.
    Electrical Engineer. Electrical conduit design and preparation of electrical installation drawings and details for the unit's control building. (1978)

- **Northern Indiana Public Service Company**
  - Bailly 7 and 8, coal, 616 MW total.
    Electrical Engineer. Electrical design and preparation of procurement specifications on a boiler balanced draft conversion project. Project involved redesign of the boiler control and auxiliary power systems, and sections of the main control board. (1976 to 1977)

- **Kentucky Utilities Company**
  - E. W. Brown 3, coal, 440 MW.
    Electrical Engineer. Responsible for electrical design of a new electrostatic precipitator and induced draft fan addition. Work included coordination of the preparation of electrical installation drawings and preparation of electrical procurement documents. (1975 to 1976)

  - Ghent 2, coal, 550 MW.
    Electrical Engineer. Responsible for the electrical design of the electrostatic precipitator and ash handling systems. (1974 to 1975)

MEMBERSHIPS

Institute of Electrical and Electronics Engineers

EDUCATION

Formen Christian College/University of Punjab, Pakistan - Bachelor Degree 1979

Major Courses: Engineering Drawings; Math Physics; Chemistry Political Science; English

PROFICIENCIES

Electrical engineering
Modification and betterment of nuclear power stations
Resolution of field problems for plant modifications

RESPONSIBILITIES

Mr. Hussain is responsible for preparation and review of design modifications to existing nuclear power plants. His work includes the electrical portions of design, design calculations, review and specification of equipment to be modified, and analysis of existing equipment. He assists in the coordination and interface of other Sargent & Lundy and client departments.

EXPERIENCE

Mr. Hussain has 12 years of design experience of nuclear-fueled electrical generating facilities. Mr. Hussain has been responsible for various phases of modification design for nuclear power plants. He has been responsible for preparing and reviewing of project plans and design packages, reviewing vendor documentation and providing engineering support to the station as well as coordinating with interfacing Sargent & Lundy and client departments.

Mr. Hussain has provided engineering assistance to support several design modifications. These duties include revisions to client's plant modification packages (design, installation, testing) to address existing plant conditions and support the installation.

Recent activities associated with his assignment to Commonwealth Edison Company's (ComEd) Dresden and Quad Cities Stations include support of the component classification program for several systems including auxiliary power, main steam, core spray, HVAC, HPCI, SBGT and RHR system. In addition, Mr. Hussain's experience includes site assignments for Dresden and Quad Cities, supporting installation of modifications during refueling outages, providing technical support and resolving field installation problems, conducting field walkdowns, and documenting as-built configuration for electrical installations.

Mr. Hussain worked on design modifications of ComEd's LaSalle County power plant units 1 and 2 during refueling outages. He was also assigned at the construction site of Tennessee Valley Authority's (TVA) Watts Bar Nuclear power plant as a member of a walkdown team to perform critical case evaluations for seismic Category I conduit supports in accordance with TVA's walkthrough procedures.

Mr. Hussain's experience also includes preparation and revision of environmental qualification binders for equipment used in harsh areas of nuclear power plants. This work included equipment aging calculations.

Mr. Hussain has designed cable tray systems, resolved field problems, and worked on a walkdown program for cable tray supports and segregation violations for conduits.

His relevant experience includes:

- **Commonwealth Edison Company**
  - Dresden 2 and 3, nuclear, 850 MW each;

- Quad Cities 1, nuclear, 850 MW. Modification to replace the main power transformer. (1991)

- Dresden 2 and 3, Quad Cities 1 and 2; support of Component Classification Program for various systems. (1994)

PLANT DESIGN

- **Commonwealth Edison Company**
  - Quad Cities 1 and 2, nuclear, 850 MW each.
    (1988 to 1989) (1991 to present)

  - Dresden 2 and 3, nuclear, 850 MW each.
    (1988 to present)

  - Zion 1 and 2, nuclear, 1085 MW each.
    (1989)

  - LaSalle 1 and 2, nuclear, 1170 MW each.
    (1988 to 1989)

  - Byron/Braidwood 1 and 2, nuclear, 1175 MW each.
    (1983 to 1986)

- **Tennessee Valley Authority**
  - Watts Bar 1 and 2, nuclear, 1270 MW each.
    (1989)

- **PSI Energy**
  - Gibson 5, fossil, 618 MW.
    (1981 to 1983)

MICHAEL C. WARPEHOSKI
Electrical Project Engineering Division
Electrical Engineer

EDUCATION

Michigan Technological University - B.S. Electrical Engineering - 1990

REGISTRATION

Professional Engineer-in-Training - Michigan

PROFICIENCIES

Electrical engineering
Sargent & Lundy's Electrical Load Monitoring System (ELMS)--ac and dc
Vendor and client interface
Diesel generator loading analysis
Battery sizing
Modifications
SQUG Relay Evaluation

RESPONSIBILITIES

Mr. Warpehoski is responsible for performing electrical design work in compliance with applicable codes, national and Sargent & Lundy standards, client requirements, station technical specifications, final safety analysis report (FSAR) commitments, and sound engineering practices. He is responsible for determining the acceptability of changes to the ac and dc systems and engineering analysis.

EXPERIENCE

Mr. Warpehoski was most recently assigned to ComEd's Quad Cities project team.

His relevant experience includes:

- **Tennessee Valley Authority**
  - Watts Bar 1 and 2, nuclear, 1270 MW each.
    Performed calculations and design change notices (DCNs) for the electrical isolation of Unit 1 from Unit 2 for Unit 1 startup. Performed miscellaneous DCNs. Reviewed schematics and wiring diagrams to postulate worst-case scenarios for performing voltage drop, short circuit, and control power transformer sizing calculations to evaluate the acceptability of various proposed design changes. Inspected conduit runs for verification of installation deficiencies. This project included client interfacing with various Ebasco and TVA disciplines. (1992 to 1993)

- **Commonwealth Edison Company**
  - Dresden 2 and 3, nuclear, 1545 MW total;
  - Quad Cities 1 and 2, nuclear, 769 MW each.
    Performed engineering cost estimates, battery sizing calculations, diesel generator voltage drop and recovery time calculations, control and power circuit voltage drop calculations, breaker and cable sizing, and system analysis using Sargent & Lundy's ac and dc Electrical Load Monitoring System (AC-ELMS and DC-ELMS). Reviewed schematic diagrams to establish load profiles for battery and diesel generator sizing calculations and engineering analysis of relays (pickup and dropout voltages) used in safety-related circuits throughout the plants. These projects also included client and vendor interfacing. (1990 to 1992) Performed miscellaneous modifications, minor plant changes, and on-site station support activities associated with various systems which involved equipment replacements and control logic changes. Completed formal seismic qualification utility group (SQUG) relay review training course and performed SQUG relay screening and evaluation for safe-shutdown equipment at Quad Cities Station. (1993 to 1994)

PRIOR TO JOINING SARGENT & LUNDY

- **Greenheck Fan Corporation**
  - Product Development Center Technician. Designed and built control panels for test areas and for prototype ventilation units and provided electrical controls for existing laboratory machinery. (1986 to 1989)

APPENDIX G

SEISMIC QUALIFICATION UTILITIES GROUP (SQUG) RELAY OUTLIER TRACKING SHEETS

The attached Outlier Tracking Sheets list **all** of the USI A-46 Relay Outliers. The outliers have been grouped into six categories based on type, and further broken down by Manufacturer / Model.

All of the outliers have been assigned Nuclear Tracking System Numbers (NTS), with proposed resolutions and estimated completion dates.

APPENDIX G
Outlier Resolution Tracking Sheet (Relays)
USI A-46

RESOLUTION #	OUTLIER TYPE	RELAY MANUFACTURER / MODEL TYPE	#	EQUIPMENT	RECOMMENDED RESOLUTION	TRACKING NUMBER	COMPLETION
1	**Seismic Capacity Unknown**	1. Barton / 288(W/224 DP Unit) DP Switch)		**Unit 2**			
	GERS Do not Exist		2	Panel 2202-36	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	Panel 2202-6	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
				Unit 3			
			2	Panel 2203-36	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			1	Panel 2203-6	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
		2. Cardox Chemetron / Model #512 Timer	3	**Unit 2/3** Panel 2223-53	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
		3. Cardox Chemetron / Model #45H / RLY	3	**Unit 2/3** Panel 2223-53	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
		4. Cardox Chemetron / Model #47H / RLY	3	**Unit 2/3** Panel 2223-53	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
		5. Dresser / 1539VX SER.#BK7056 Press. Controller	5	**Unit 2** Panel 2202-5	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			5	**Unit 3** Panel 2203-5	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
		6. Eagle Signal Control HM71A6444444J Type2H93	1	**Unit 2** Panel 902-28	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 3** Panel 903-28	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
		7. GE / Type IAC51		**Unit 2**			
			9	4160V AC / SWGR 23-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			7	4160V AC / SWGR 24-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			6	4160V AC / SWGR 23	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			6	4160 V AC SWGR 24	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
				Unit 3			
			12	4160V AC / SWGR 33-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			6	4160V AC / SWGR 33	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			9	4160V AC / SWGR 34-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			6	4160V AC / SWGR 34	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
		8. GE / Type IAC 66B		**Unit 2**			
			8	4160V AC / SWGR 23-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			4	4160V AC / SWGR 24-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
				Unit 3			
			8	4160V AC / SWGR 33-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			4	4160V AC / SWGR 34-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1

Note 1: Outlier Resolution to be completed within two (2) refueling outages per unit following receipt of NRC SER on USI A-46 submittal.

APPENDIX G
Outlier Resolution Tracking Sheet (Relays)
USI A-46

RESOLUTION #	OUTLIER TYPE	RELAY MANUFACTURER / MODEL TYPE	#	EQUIPMENT	RECOMMENDED RESOLUTION	TRACKING NUMBER	COMPLETION
1	**Seismic Capacity Unknown**	9. GE /Type IAV69		**Unit 2**			
	GERS Do not Exist		2	4160V AC / SWGR 23-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
	(continued)		4	4160V AC / SWGR 24-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			2	4160V AC / SWGR 23	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			4	4160V AC / SWGR 24	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			2	4160V AC / SWGR 40	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			2	480VAC/SWGR 29	Find Qualification, Shake Test or Replace		
				Unit 3			
			2	4160V AC / SWGR 33	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			4	4160V AC / SWGR 34	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			2	4160V AC / SWGR 34-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			2	4160V AC / SWGR 33-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
		10. GE./CR120KX3A	9	**Unit 2** Panel 902-28	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
		11. GE./12CFF14B Type CFF	1	**Unit 2** Panel 2252-10	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 2/3** Panel 2223-33	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 3** Panel 2253-10	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
		12. GE./121ACW51A Type ICW	1	**Unit 2** Panel 2252-10	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 3** Panel 2253-10	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			1	**Unit 2/3** Panel 2223-33	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
		13. GE./121AV51D Type IAV	1	**Unit 2** Panel 2252-10	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 3** Panel 2253-10	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			1	**Unit 2/3** Panel 2223-33	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
		14. GE./EMD8370794	1	**Unit 2** Panel 2252-21	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 3** Panel 2253-21	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			1	**Unit 2/3** Panel 2223-41	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
		15. Magnetrol / 291 Level Switch	4	**Unit 2/3** LS-2/3-2350A, B, C, D	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			2	**Unit 2** LS-2-2351A, B	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			2	**Unit 3** LS-3-2351A, B	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
		16. Magnetrol / Level SW A-103F-EP/VP	1	**Unit 2/3** Panel 5241-5	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 2** Panel 2-5241-5	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 3** Panel 3-5241-3	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
		17. Square D / Class 7001	1	**Unit 2** DG 2/3 Exitation Cabinet	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1

Note 1: Outlier Resolution to be completed within two (2) refueling outages per unit following receipt of NRC SER on USI A-46 submittal.

APPENDIX G
Outlier Resolution Tracking Sheet (Relays)
USI A-46

RESOLUTION #	OUTLIER TYPE	RELAY MANUFACTURER / MODEL TYPE	#	EQUIPMENT	RECOMMENDED RESOLUTION	TRACKING NUMBER	COMPLETION
1	**Seismic Capacity Unknown**	18. Square D / Class 9013	2	**Unit 2** HPCI Term Box.EH	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
	GERS Do not Exist						
	(continued)	19. Square D / Class 8504	2	**Unit 2/3** Panel 2223-41	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			2	**Unit 2** Panel 2252-21	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			2	**Unit 3** Panel 2253-21	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
		20. United Electric F100-7BS/ Temp Switch		**Unit 3**			
			4	TS-3-2370A thru D	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			4	TS-3-2371A thru D	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			4	TS-3-2372A thur D	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
			4	TS-3-2373A thru D	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
				Unit 2	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			4	TS-2-2370A thru D	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			4	TS-2-2371A thru D	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			4	TS-2-2372A thru D	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			4	TS-2-2373A thru D	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
		21. Westing House /SA1	1	**Unit 2/3** SWGR 40	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 2** SWGR 24-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 3** SWGR 34-1	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
[illegible]							
2	**Demand Exceeds Capacity**	1. GE Type HFA Relays		**Unit 2 & 2/3**			
	Original Equip		2	Panel 2223-109	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1027	See Note 1
			1	Panel 2223-33	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1027	See Note 1
			1	Panel 2252-10	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1027	See Note 1
			4	4KV SWGR 23-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1027	See Note 1
			4	4KV SWGR 24-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1027	See Note 1
			1	4KV SWGR 24	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1027	See Note 1
				Unit 3			
			7	Panel 2203-32	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
			1	Panel 2253-10	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
			2	4KV SWGR 33	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
			3	4KV SWGR 33-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
			5	4KV SWGR 34	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
			3	4KV SWGR 34-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1

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APPENDIX G
Outlier Resolution Tracking Sheet (Relays)
USI A-46

RESOLUTION #	OUTLIER TYPE	RELAY MANUFACTURER / MODEL TYPE	#	EQUIPMENT	RECOMMENDED RESOLUTION	TRACKING NUMBER	COMPLETION
2	**Demand Exceeds Capacity**	2. GE./Type HGA		**Unit 2**			
	Original Equip		2	4KV SWGR 23-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1027	See Note 1
	(continued)		1	4KV SWGR 24-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1027	See Note 1
				Unit 3			
			1	4KV SWGR 33-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
			1	4KV SWGR 34-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
			4	2203-32	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
		3. Motor Control Centers (Various Relays)		**Unit 2**	Perform Specific Test/Analysis or Replace		
			16	MCC 2A	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1027	See Note 1
			32	MCC 2B	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1027	See Note 1
				Unit 3			
			16	MCC 3A	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
			29	MCC 3B	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
		4. Contactors	1	**Unit 2** Panel 28-1-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 3** Panel 38-1-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
		5. GE/PJC		**Unit 2**			
			5	4KV SWGR 23-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1027	See Note 1
			2	4KV SWGR 34-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1027	See Note 1
				Unit 3			
			5	4KV SWGR 33-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
			3	4KV SWGR 34-1	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
		6. Barton Model 289	1	**Unit 3** Panel 2203-29	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
		7. Agastat Type EGP	3	**Unit 3** Panel 2203-32	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
			1	Panel 903-4	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
		8. Agastat Type E7022	2	**Unit 3** Panel 2203-32	Perform Specific Test/Analysis or Replace	NTS# 2371048700201S1028	See Note 1
3	**Demand Exceeds Capacity**	1. Agastat EGP/ETR		**Unit 2**			
	Newer Equipment		4	Panel 2-2202-73A	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1027	See Note 1
			4	Panel 2-2202-73B	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1027	See Note 1
			3	Panel 2-2252-83	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1027	See Note 1
			3	Panel 2-2252-84	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1027	See Note 1

Note 1: Outlier Resolution to be completed within two (2) refueling outages per unit following receipt of NRC SER on USI A-46 submittal.

APPENDIX G
Outlier Resolution Tracking Sheet (Relays)
USI A-46

RESOLUTION #	OUTLIER TYPE	RELAY MANUFACTURER / MODEL TYPE	#	EQUIPMENT	RECOMMENDED RESOLUTION	TRACKING NUMBER	COMPLETION
3	**Demand Exceeds Capacity**			**Unit 3**			
	Newer Equipment		4	Panel 3-2203-73A	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1028	See Note 1
	(continued)		4	Panel 3-2203-73B	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1028	See Note 1
			3	Panel 3-2253-83	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1028	See Note 1
			2	Panel 3-2253-84	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1028	See Note 1
		2. Train B HVAC Equipment		**Unit 2/3**			
			11	Panel 2/3-9400-102	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1027	See Note 1
			2	Panel 2/3-9400-103	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1027	See Note 1
			2	Panel 2/3-9400-105	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1027	See Note 1
			4	Panel 2/3-9400-101	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1027	See Note 1
		3. ITE-ABB 81	1	**Unit 2** MCC 29-7	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1027	See Note 1
			1	**Unit 3** MCC 39-7	Newer Panel - Find Unique Qualification	NTS# 2371048700201S1028	See Note 1
4	**Relay Info Inaccessible**	Unknown	39	**Unit 2 - various**	Obtain Info thru Vendor Research	NTS# 2371048700201S1027	See Note 1
			44	**Unit 3 - various**	Obtain Info thru Vendor Research	NTS# 2371048700201S1028	See Note 1
5	**Low Ruggedness**	Yarway		**Unit 2**			
	(Pending Modification)		2	Panel 2-2202-5	Review Mod Following Installation	NTS# 2371048700201S1027	See Note 1
			2	Panel 2-2202-6	Review Mod Following Installation	NTS# 2371048700201S1027	See Note 1
				Unit 3			
			2	Panel 3-2203-5	Review Mod Following Installation	NTS# 2371048700201S1028	See Note 1
			2	Panel 3-2203-6	Review Mod Following Installation	NTS# 2371048700201S1028	See Note 1
6	**Low Ruggedness Devices**	1. HGA - Normally Closed, DE		**Unit 2**			
			5	Panel 902-32	Replace	NTS# 2371048700201S1027	See Note 1
			1	Panel 902-33	Replace	NTS# 2371048700201S1027	See Note 1
			2	**Unit 3** Panel 903-33	Replace	NTS# 2371048700201S1028	See Note 1
		2. Mercury Switches	3	**Unit 2** Panel 2202-29	Replace	NTS# 2371048700201S1027	See Note 1
			3	**Unit 3** Panel 2203-29	Replace	NTS# 2371048700201S1028	See Note 1
		3. GE./12CEH51A Type CEH	1	**Unit 2** Panel 2252-10	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 2/3** Panel 2223-33	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 3** Panel 2253-10	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1
		4. Westing House / Type SV	1	**Unit 2/3** Panel 2223-41	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 2** Panel 2252-21	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1027	See Note 1
			1	**Unit 3** Panel 2253-21	Find Qualification, Shake Test or Replace	NTS# 2371048700201S1028	See Note 1

Note 1: Outlier Resolution to be completed within two (2) refueling outages per unit following receipt of NRC SER on USI A-46 submittal.

1. INTRODUCTION

Executive Summary

The seismic adequacy evaluations have been completed for relays associated with the resolution of Unresolved Safety Issue USI A-46. The evaluations were performed in accordance with the Seismic Qualification Utility Group (SQUG) Methodology using the SQUG Generic Implementation Procedures (GIP). The following summarizes the results of these evaluations.

Of the approximately 5600 contacts evaluated for the USI A-46, 1058 were identified as being outliers. Due to the duplication of contacts being documented during the Detailed Circuit Analysis method, these contacts are located on 533 individual devices. Therefore, a total of 533 relays were declared relay outliers. These relay outliers will require further qualification, testing, or modification to resolve.

All outliers have been assigned Nuclear Tracking System (NTS) numbers, (AppendixG), and will be completed within two (2) refueling outages per unit following the receipt of the Nuclear Regulatory Commission's Safety Evaluation Report (SER) on the USI A-46 submittal.

Purpose

This report documents the USI A-46 relay seismic functionality review for Dresden Nuclear Power Station (DNPS) which is owned and operated by ComEd. The majority of this work was performed by Sargent & Lundy with input and assistance from ComEd and Stevenson & Associates.

The relay seismic functionality review was necessary to address NRC Generic Letter 87-02, "Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue (USI), A-46" (Ref. 1). The purpose of the relay review is to verify that safe shutdown systems would not be prevented from performing their safe shutdown functions because of contact chatter during the period of strong ground motion associated with a Design Basis Earthquake (DBE).

Background

In December 1980, the Nuclear Regulatory Commission (NRC) Staff identified an unresolved safety issue, USI A-46, "Seismic Qualification of Equipment in Operating Plants," related to the seismic adequacy of mechanical and electrical equipment in older nuclear power plants. In response to this concern, a number of nuclear plant owners formed the Seismic Qualification Utility Group (SQUG) to investigate the issue and develop a cost effective approach for its resolution. Initial investigations indicated that the application of current seismic qualification standards (i.e., testing equipment on shake tables) to the older plants would not be practical since many equipment types and models are no longer available and the use of installed equipment for testing is, in general, not possible. After further consideration of the problem and alternative resolution approaches, SQUG undertook a pilot program to determine if actual experience in fossil power plants and other industrial facilities which have undergone significant earthquakes could be used as a basis for evaluating the seismic adequacy of similar equipment in nuclear plants.

The results of the SQUG pilot program showed the feasibility of using earthquake experience data as a means of assessing the seismic ruggedness of a large cross section of standard power plant equipment used in nuclear plants. The SQUG effort also demonstrated that, with a few exceptions, nuclear plant equipment is generally similar to that installed in fossil plants and, when properly anchored, has inherent seismic ruggedness and a demonstrated capability to withstand seismic motion without structural damage or loss of functionality. The pilot program results were subsequently confirmed by additional data collection and analysis.

After substantial technical research by both the SQUG and the NRC, the NRC Staff published, on February 19, 1987, a detailed approach for resolving the issue in Generic Letter 87-02 (Ref. 1). Implementation guidance for generic and plant-specific resolution of USI A-46 was provided in an enclosure to the Generic Letter, entitled "Seismic Adequacy Verification Procedure." The Generic Letter Procedure sets forth an approach for verifying seismic adequacy of equipment using earthquake experience data supplemented by test results and analyses, as necessary. Licensees subject to USI A-46 were encouraged to participate in a generic program to accomplish seismic verification of equipment. As a result, SQUG developed the "Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Power Plant Equipment" (Ref. 2).

The GIP provides the detailed technical approach, generic procedures and documentation guidance which USI A-46 licensees should use to verify the seismic adequacy of mechanical and electrical safe shutdown equipment. In this regard, the GIP also contains all of the activities necessary for resolution of USI A-46. A Safety Evaluation Report on Revision 2 of the GIP was prepared by the NRC and is documented in Reference 3.

USI A-46 Relay Evaluation

For most equipment in nuclear plants functionally required for safe shutdown, demonstration of seismic adequacy under USI A-46 will be accomplished by verifying that the equipment is comparable to that in conventional plants which have successfully withstood significant earthquakes and by assuring that the equipment is properly anchored. In the case of electrical relays, this approach is not sufficient. First, the types of relays used in power plants are diverse and not easily grouped in generic equipment classes. Second, there have been instances of relay malfunction in earthquakes and in seismic shake-table tests at acceleration levels which may be near plant design levels. For these reasons, the Electric Power Research Institute (EPRI) established a project to develop a methodology for evaluating relay seismic functionality in operating nuclear power plants. This project developed EPRI Report NP-7148-SL (Ref. 4) which provides the methodology and procedures for evaluating relay seismic functionality.

Section II.6 of the GIP provides an overview of the USI A-46 relay review criteria and methodology. The content of the GIP concerning relay evaluations is based on the detailed criteria, methodology, and procedure documented in Reference 4. Accordingly, the review of relays associated with the USI A-46 safe shutdown equipment for DNPS was performed and documented in accordance with the requirements of the GIP, the NRC SSER on the GIP and on EPRI NP-7148-SL.

Report Organization

Section 2 describes the Safe Shutdown Systems chosen to satisfy the four safe shutdown functions. This section was created using portions of Section 2 of the Seismic Evaluation Report (Ref. 5) in order to permit the Seismic and Relay Evaluation Reports to reviewed independently. Section 3 of this report provides a summary of the USI A-46 relay review for DNPS and discusses

the relay outliers and plans for their resolution. Section 4 describes the overall technical approach and assumptions used in the review, and describes results of the screening processes applied during the evaluations. Section 5 lists the references used to support the relay evaluation.

The following appendices are provided in Section 6.0 of the report.

Appendix A - SQUG Relay Review Safe Shutdown Equipment List
Appendix B- SQUG Essential Relay List
Appendix C - SQUG Essential Relay Panel List
Appendix D- Seismic Capacity Screening Results
Appendix E- Outlier Seismic Verification Sheets
Appendix F- Resumes of Key Personnel
Appendix G- Outlier Resolution Tracking Sheets

2. DRESDEN SAFE SHUTDOWN PATH

Introduction

Dresden Station Operations Department has chosen the systems to be utilized for the primary and backup safe shutdown paths to accomplish the four safe shutdown functions identified in the SQUG GIP. The composite Seismic Qualification Utility Group (SQUG) Safe Shutdown Equipment List (SSEL) contains all mechanical and electrical equipment (excluding relays) needed to achieve and maintain safe shutdown conditions at Dresden station This composite list is included with the Seismic Qualification Utility Group Seismic Evaluation Report (Ref. 5). The equipment was chosen based on the requirements defined in Section 3 of the SQUG GIP (Generic Implementation Procedure), Rev. 02-corrected 2/14/92 and the NRC's SSER No. 2. From this list, the SQUG Relay Review Safe Shutdown Equipment List (SSEL) was developed and is included in Appendix A.

Basis For Selection

Dresden Station has elected to use the Seismic Qualification Utility Group (SQUG) Generic Implementation Procedure (GIP) to select and evaluate the seismic adequacy of the mechanical and electrical equipment needed to bring the station to a safe shutdown condition following a safe shutdown earthquake. Per section 3.3.3 of the GIP, "safe shutdown is defined as bringing the plant to a hot shutdown condition and maintaining it there for a minimum of 72 hours following an earthquake. Some plants may not have sufficient water inventory to stay in hot shutdown for three days, while other plants may prefer to be brought to a cold shutdown condition during this period of time instead of staying in the hot shutdown condition."

The four safe shutdown functions that must be accomplished to achieve hot safe shutdown are as follows.

1. Reactor Reactivity Control
2. Reactor Coolant Pressure Control
3. Reactor Coolant Inventory Control
4. Decay Heat Removal

The systems/ functional paths chosen are to meet the following criteria.

1. Achieve and maintain the plant in a hot shutdown condition within 72 hours following the SSE.
2. A LOOP is considered to have occurred coincident with the SSE and lasts for the first 72 hours.
3. No other design basis event is considered to occur other than the SSE.

<u>REACTOR REACTIVITY CONTROL</u>

To achieve reactor reactivity control under this safe shutdown path, the Control Rod Drive (CRD) System was chosen. This system was chosen for the following reasons:

- The CRD System is a safety-related system.
- The control rods are designed to be driven in automatically upon a loss of power.
- The CRD System will actuate automatically.

- The CRD System is designed to fail in the safe position, that is, with the control rods in the fully inserted position.
- The CRD System is a Class I system.
- The CRD System major equipment is located in the Reactor Building on elevation 517' 6".
- No major support systems are required for CRD system operation.

The CRD System is used as both the primary and backup system for the Reactor Reactivity Control function. This is because each of the 177 hydraulic control units (HCUs) per unit are completely separate and independent. Therefore, the system is designed to accommodate a single failure, and still accomplish safe shutdown.

REACTOR COOLANT PRESSURE CONTROL

To achieve reactor coolant pressure control under this safe shutdown path, the Target Rock Safety Relief Valve and the 4 Electromatic Relief Valves (ERVs) were chosen as the primary path. These valves are sized to rapidly remove steam generated from the reactor upon closure of the turbine stop valves and coincident with failure of the turbine bypass system. The blowdown from each relief valve is routed through a separate line to a point below the torus water line. The ERVs require control power from the 125 V Direct Current system. The Target Rock Safety Relief Valve requires the support of the Drywell Pneumatic System while in the Relief Mode, but does not require any support systems while in the Safety Mode. The backup system for this function is the reactor safety valves. These valves are sized to protect the pressure vessel against overpressurization during a failure of the reactor relief valves. These valves are balanced, spring-loaded-type safety valves which discharge directly to the drywell airspace.

The advantages of all of these relief and safety valves are as follows:

- These valves are part of a safety-related system.
- These valves will actuate automatically.
- These valves are part of a Class I system.
- These valves are located on the second floor of the drywell (elevation 537' 0").

REACTOR COOLANT INVENTORY CONTROL

To achieve reactor coolant inventory control under this safe shutdown path, the High Pressure Coolant Injection (HPCI) system was chosen as the primary path. The HPCI system consists of a steam driven pump that can take suction from either the suppression pool or the condensate storage tank and pump water into the reactor vessel. The steam that runs the turbine comes from the reactor and is exhausted to the suppression pool. The HPCI system is designed to pump makeup water to the reactor at a rate of 5,600 gpm. The Direct Current system provides control power to the HPCI system. The advantages of the HPCI system are as follows:

- The HPCI system is a safety-related system.
- The HPCI system will actuate automatically.
- The HPCI system is a Class I system.
- The HPCI system major equipment is located in the HPCI rooms which are in the Reactor Building at elevation 476' 6".

The backup systems for this function are the Automatic Depressurization System (ADS) and Division I of the Low Pressure Coolant Injection (LPCI) system. ADS will depressurize the reactor vessel so that the LPCI system could be initiated for reactor coolant inventory control. Although Division II of LPCI is the preferred path according to emergency procedures, Division I was chosen since the HPCI system is powered by Division II. By selecting Division I of LPCI, an

added safety feature of the SSEL is provided for the reactor coolant inventory control function. The advantages of the LPCI and ADS systems are as follows:

- The LPCI and ADS systems are safety-related systems.
- The LPCI and ADS systems will actuate automatically.
- The LPCI and ADS systems are a Class I system.
- The ADS system major equipment is located on the second floor of the drywell.
- The LPCI system major equipment is located in the corner rooms which are in the Reactor Building at elevation 476' 6".

DECAY HEAT REMOVAL

To achieve decay heat removal under this safe shutdown path, Division II of the Low Pressure Coolant Injection (LPCI) system and the Containment Cooling Service Water (CCSW) system was chosen as the primary path. The HPCI turbine takes steam from the reactor and exhausts it to the suppression pool. The LPCI system would then be aligned in the torus cooling mode. This alignment includes the LPCI pumps taking suction from the suppression pool, routing the water through the LPCI heat exchanger, and injecting the water back into the suppression pool. CCSW provides the cooling water to the LPCI heat exchanger and takes suction from the cribhouse bay. The backup systems for this function are the ADS valves and Division I of the LPCI and CCSW systems. The ADS valves discharge steam from the reactor to the suppression pool. The LPCI and CCSW systems would be aligned the same as Division II stated above.

The advantages of the LPCI and CCSW systems are as follows:

- The LPCI and CCSW systems are safety-related systems.
- The LPCI system will actuate automatically.
- The LPCI and CCSW systems are Class I systems.
- Only one division of LPCI is required.
- The CCSW system major equipment is located in the Turbine Building Elev. 495'0".
- The LPCI system major equipment is located in the corner rooms which are in the Reactor Building at elevation 476' 6".