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SUBJECT: Forwards "WA Nuclear Project 2 Environ Equipment Qualification Rept for Safety-Related Equipment," Vols 1,2 & 3,in response to NRC 800221 ltr.Rept will be incorporated into FSAR amend.

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Docket #50-397

September 15, 1982
G02-82-782

Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington D.C. 20555

Subject: NUCLEAR PROJECT NO. 2
QUALIFICATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT

Reference: Letter, D. F. Ross (NRC) to Operating License Applicants, "Qualification of Safety-Related Electrical Equipment", dated February 21, 1980

Enclosed are twenty (20) copies of the WNP-2 Environmental Equipment Qualification Report for Safety-Related Equipment. This report will be incorporated into an amendment to the WNP-2 FSAR.

SC Swanson for

G. D. Bouchey, Manager
Nuclear Safety and Licensing

cc: R Auluck, NRC
WS Chin, BPA (399)
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JE Kennedy, NRC
M Yost, EG&G

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WNP-2
NUREG 0588 ENVIRONMENTAL EQUIPMENT QUALIFICATION REPORT

Volume 1

September 1982

Washington Public Power Supply System
Richland, Washington 99352

ENGINEERING REPORT

WNP-2 ENVIRONMENTAL QUALIFICATION REPORT FOR SAFETY RELATED EQUIPMENT

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DISCUSSION

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1.0 INTRODUCTION

The original equipment qualification requirements for Washington Public Power Supply System (Supply System) Nuclear Project Number 2 (WNP-2) were described in the PSAR. These requirements specified that NSSS equipment be designed to good nuclear industry practices and Balance of Plant equipment be qualified to IEEE 323-71. Initial equipment purchases were made to these requirements.

In November 1974, Regulatory Guide 1.89 was issued identifying IEEE 323-74 as the generally acceptable level for qualification of Class 1E equipment. Based on construction permit requirements, the Supply System was not required to upgrade the qualification status of the equipment. A review was made to determine the impact of the revised requirements. Based on this review, it was determined that there was not a need for general upgrade of equipment.

NUREG-0588 (Reference 1) was issued for comment in December 1979 to promote a more orderly and systematic implementation of equipment qualification programs by the industry. It also provided guidance to the NRC staff for its use in ongoing licensing review for new as well as for the near-term operating license plants. The WNP-2 Construction Permit SER was issued prior to July 1, 1974; therefore, the basis for the WNP-2 review was the Category II requirements.

In February 1980, the NRC requested (Reference 2) that the Supply System perform a review of the existing environmental qualification program to identify the degree to which the program complied with the criteria and positions in NUREG 0588. Deviations from the NUREG were to be justified. The Supply System provided comments to the NUREG in April 1980, taking exception to certain criteria and positions. Revision 1 of the NUREG was issued with answers and clarifications to the Supply System's concerns as

well as other concerns raised by the industry. Resolution of these concerns are still underway with a conclusion to be achieved as part of a planned rule making on this issue.

The Supply System has undertaken an aggressive equipment qualification program to assure all Class 1E equipment is qualified to NUREG 0588, Category II. Class 1E equipment at WNP-2 have been identified. Normal, abnormal and accident service conditions have been defined for plant areas that could be exposed to a harsh environment. A detailed review of the available qualification data has been made for the equipment in harsh environments. Actions have been initiated to upgrade the qualification documentation where deficient and to requalify components, when necessary. This report describes the methodology and summarizes the current status of the equipment qualification activities.

This report also provides an analysis of the capability of operating WNP-2 during an interim period between September 1983 and November 30, 1985. This Justification for Interim Operation identifies critical electrical equipment required for safe operation. It also identifies equipment requiring further environmental qualification corrective actions and establishes the priority for our environmental qualification activities until commercial operation.

2.0 CLASS 1E EQUIPMENT LIST

A list of all Engineered Safety Feature Systems and associated Class 1E equipment was prepared. All parameters required to perform the qualification evaluations have been determined, including normal and accident operational requirements, operating time and manufacturer's data. The equipments' locations have been verified to fully define the service conditions.

Class 1E was defined according to IEEE 323-74 (Reference 3). The following definition was used:

> The safety classification of the electric equipment and systems that are essential to emergency reactor shutdown, containment isolation, reactor core cooling, and containment and reactor heat removal, or otherwise are essential in preventing significant release of radioactive material to the environment.

Instrumentation for the operator to follow the course of an accident was also defined as Class 1E. This includes instrumentation identified as a result of TMI-2 Lessons Learned and Regulatory Guide 1.97.

Based on this definition, specific criteria were developed to determine the equipment that is Class 1E. The criteria and instructions for application of the criteria are contained in Reference 4. All plant systems were reviewed in accordance with these criteria. The sources of information for the review were the FSAR, Technical Specifications, System Flow Diagrams, Electrical Diagrams and Technical Manuals. The review identified the Class 1E equipment in each system by equipment number.

Additional operational data were determined during the documentation review. The following information was determined for each Class 1E component:

- Use. The equipment use during accident and/or normal plant shutdown conditions. This field is based on the categorization of equipment suggested in Item 2, Appendix E of NUREG 0588.

- Safety Function. The Class 1E function or functions a piece of equipment or system is required to perform or monitor. Safety functions include emergency reactor shutdown, containment isolation, reactor core cooling, containment heat removal, reactor heat removal and prevention of release of radioactive material to the environment.

- Required Operating Time. The time a component is required to be functional or retain its pressure integrity following a Design Basis Accident.

The application of these definitions and the codes used are fully described in Appendix A.

A plant walkdown was performed to determine the manufacturer's data for Class 1E components. The walkdown included verifying manufacturer, model, serial number and location. These data were obtained directly from the nameplate for installed equipment. Equipment in the warehouse or on order was identified through applicable purchase and receiving documents.

During the walkdown, the location of the equipment in the plant was documented to assist with the definition of the required service conditions and the calculation of the integrated radiation exposure.

The operational, manufacturer's and location data for all Class 1E equipment were tabulated and computerized. For the purposes of this submittal, the Class 1E equipment that will experience the environmental conditions of design basis accidents for which it must function or through which it must not fail are provided. This list is included in Appendix A.

Class 1E equipment which will experience the environmental accident conditions and can fail in any manner and not be detrimental to plant safety or accident mitigation is provided along with the justification in Appendix D.

3.0 ENVIRONMENTAL SERVICE CONDITIONS

The normal, abnormal and accident service conditions were defined for all areas of primary containment and the reactor building containing Class 1E equipment. The service conditions were defined as described below.

3.1 NORMAL AND ABNORMAL CONDITIONS

The temperature, pressure and humidity ranges expected during normal operation were defined based on Reference 5 and 6. Abnormal conditions due to temporary HVAC failure are also defined in Reference 5 and 6. Appendix B presents the normal and abnormal conditions for primary containment and the reactor building.

The 40-year normal radiation dose is included in the radiation doses discussed in Section 3.2.3 of this report.

3.2 ACCIDENT CONDITIONS - HARSH ENVIRONMENTS

The primary containment and most areas of the reactor building will be exposed to a harsh environment following a postulated LOCA/HELB. A harsh environment is defined as:

> An area that would be exposed to a significant increase in the maximum temperature, pressure and humidity during design basis events AND/OR the total radiation dose (normal + accident) is above 10^4 rad.

3.2.1 Temperature/Pressure Inside Containment

The accident environments inside primary containment are defined according to Reference 5 and the WNP-2 FSAR (Reference 6). The accident profiles presented in Appendix B, were determined from a General Electric analysis of the response of a BWR Mark II containment to a full spectrum of possible LOCA/MSLB. This analysis was modified by a WNP-2 plant specific analysis to

present a profile that is representative of the response of the WNP-2 containment (Reference 20). The accident conditions due to a main steam line break are included by the specified profile.

3.2.2 Spray

Operator initiation of a demineralized water spray could be used in primary containment at WNP-2 to mitigate the effects an an accident. No credit for this operator action has been taken in defining the temperature/pressure conditions inside containment, however, spray impingement on affected Class 1E equipment has been evaluated.

3.2.3 Radiation Inside and Outside Containment

The accident radiation environments in the primary containment has been defined according to Section II.B.2 of NUREG 0737 (Reference 7) and NUREG 0588, Rev. 1. The calculated accident environment is based on the most severe nonmechanistic design basis accident during or following which equipment must function. This includes consideration of the entire spectrum of FSAR Chapter 15 accidents which can lead to a degraded core condition. The source term assumptions for postulated accidents are consistent with those defined in NUREG 0588 and Regulatory Guides 1.3 and 1.7. The source terms are calculated using the ORIGEN code (Reference 8).

For the review performed in this report the radiation environment in the primary containment was defined per Reference 19. This is a plant specific evaluation. Reference 19 contains the methodology and results of this evaluation. The results of this evaluation are provided in Appendix B for general areas of the containment and Reactor Building and also in Appendix C for each specific equipment.

The radiation environment in the reactor building is defined according to Section II.B.2 of NUREG 0737 (Reference 7) and NUREG 0588, Rev. 1 and includes the sum of direct accident gamma dose, airborne gamma dose and 40-year normal gamma dose. The airborne dose is conservatively based on the maximum primary containment to reactor building leakage rate.

Airborne activity in both the containment and reactor building was calculated using the plateout assumptions of NUREG CR-0009 (Reference 9).

The reactor building was divided into zones to define the equipment doses. The worst target (Class 1 component with the highest dose) in each zone was then choosen. The total integrated dose (TID) to this component was calculated using the QAD-P5A computer code (Reference 10). This TID was used as the required qualification level for most equipment in the zone. In cases of multiple components specific TID's were calculated for a zone.

The methodology and results of the zone dose radiation evaluations are documented in calculation packages in Reference 11. Appendix B of this report contains a table of the radiation doses inside primary containment and the radiation zone maps for the reactor building. It should be noted that the containment and the reactor building radiation levels are six month integrated doses. Doses for equipment with shorter operating times were determined from the calculated packages in Reference 11 and are detailed in Appendix C on Equipment Qualification Report Summary Sheets.

3.2.4 Flooding

The top of the main vents from the drywell to the suppression pool are approximately 12 inches above the drywell floor. This is the maximum flood level since any excess water would drain to the suppression pool. No Class 1E equipment or connections are located between the diaphram floor and the top of the downcomer vent pipes inside the wet well except for the wet well level system which is totally enclosed in a water tight conduit system.

As required by NUREG 0803 (Reference 15), the effects due to line breaks in the Control Rod Drive system have been evaluated. No safety-related equipment would be submerged due to a break in this system (Reference 16).

The possibility of flooding in the reactor building is currently under evaluation. The reactor building flooding analysis will be completed and

affected equipment identified by the audit and available for NRC review. The procedure being used in this evaluation consists of the following sequential steps:

1. Calculate the maximum source flow (gpm) for each room.

2. Calculate the water depth using the following assumptions:

   - Floor area used to determine water depth excluded floor opening areas, in order to allow for curbs and lips.

   - Twenty minute operator reaction time was allowed per NRC Question 211.059.

   - No exit flow was considered.

3. Perform a field walkdown to identify room exit paths (for drainage) and equipment located below conservative flood level for impacted areas.

4. Re-calculate flood level considering water exit paths.

5. List equipment still flooded following recalculation.

6. Perform a safe shutdown analysis.

7. List flooded equipment required for safe shutdown.

8. Protect, relocate, or qualify equipment required for safe shutdown that is impacted by flood analysis.

3.2.5 <u>Temperature/Pressure Outside Containment</u>

Class 1E equipment in the reactor building could be exposed to two postulated accident types: a LOCA/MSLB in primary containment or an HELB in the

reactor building. These conditions were determined from References 5, 6, and 12. As explained in Section 4.0 of this report, equipment is evaluated to the worst accident environment in which it is required to function.

A LOCA/MSLB in primary containment would cause an increase in the reactor building's temperature and humidity. The maximum conditions are presented in Profile 4 of Appendix B (Reference 21).

The effects of all postulated high energy line breaks in the reactor building were determined. Breaks in the following high energy lines were considered:

26" main steam line (envelops feedwater line break)
4" RCIC steam line
6" RWCU steam line
4" RWCU steam line
4" Auxiliary steam
3" Auxiliary steam

Temperature/pressure profiles were developed for all areas that could be affected by these breaks. These profiles are presented in Appendix B.

The accident profile due to a main steam line break in the steam tunnel was determined from Reference 5. The remaininq temperature/pressure profiles in the reactor building were developed using the RELAP4 and COMPARE MODIA computer models (References 13 and 14). Detailed modeling of compartments and fluid flow paths were made. Heat sinks were modeled using appropriate heat transfer correlations.

A safe shutdown analysis has been performed for all postulated accidents. This analysis is contained in Section 6 and Appendix D of this report (labelled "Justification for Interim Operation" (JIO). All items in Table B of the JIO will be evaluated and qualification documentation provided prior to full power operation. Corrective action planned on these items are provided in Table B.

3.3 MILD ENVIRONMENT AREAS IN SECONDARY CONTAINMENT

A mild environment is an area in which the maximum temperatures, pressures and humidity are not expected to change significantly during or following design basis events. In addition, the cumulative radiation dose to equipment in these areas is below 10^4 rad (Reference 17).

Some of the motor control center rooms in the reactor building are classified as mild environments. These rooms are isolated and serviced by Class 1 HVAC systems so the temperature, pressure and humidity conditions will not change significantly. Also, the total radiation dose (normal + accident) in these rooms is less than 10^4 rad.

The following service conditions for these areas have been determined:

$T_{max} = 108^oF$
P_{max} = atmospheric
$R.H._{max} = 90\%$
Radiation less than 10^4 rad TID

Section 4.2.3 provides the Supply System's position on environmental qualification of safety related equipment in a mild environment.

4.0 QUALIFICATION METHODS

The purpose of the equipment qualification evaluations is to ensure that all Class 1E equipment will perform its safety function during its installed period and in the harsh environment following a LOCA or HELB. To accomplish this, the Class 1E equipment at WNP-2 was evaluated in accordance with the guidelines in NUREG 0588, Category II. The Equipment Qualification Reports in Appendix C summarize the evaluations that have been performed. Backup documentation and calculations are contained on file at the Supply System's offices.

4.1 EQUIPMENT EVALUATIONS

The following steps are involved in evaluating the qualification of the Class 1E equipment:

a. Data Collection

Available test data and analyses were sought for the Class 1E equipment. Data sources included the equipment vendors, the NSSS supplier (General Electric), the architect/engineer (Burns and Roe) and other utilities with the same equipment. Additionally, the Supply System is participating in the generic qualification activities of the BWR Utility Equipment Environmental Qualification Group and the EPRI Equipment Qualification Data Bank.

b. Acceptance Criteria Definition

The acceptance criteria to which Class 1E equipment qualification plans, tests and analyses are evaluated have been developed. These criteria are based on NUREG 0588, Category II. The Supply System Engineering Procedure, titled "Acceptance Criteria for WNP-2 Safety-Related Equipment Qualification" (Reference 18), documents the criteria that have been developed. Section 4.2 of this report highlights the major points of the acceptance criteria.

Documentation Review

The qualification data are evaluated to determine whether the equipment is qualified in accordance with the acceptance criteria. Supplementary analyses are performed to complete the documentation, when necessary. The Equipment Qualification Reports in Appendix C summarize the evaluations that have been performed.

Resolution of Qualification Deficiencies

In cases where insufficient documentation is available, requalification is initiated. The requalification method is chosen based on a number of factors, including the available test data, the severity of the accident environment and the complexity of the component. Evaluations, such as analysis of the materials of construction and failure modes and effects analysis, are performed when required. Replacement, testing, shielding and relocation are also used to resolve qualification deficiencies.

4.2 TECHNICAL APPROACH

The technical approach, contained in Reference 18, was used to determine the qualification level of each component. This meets the intent of the guidelines in NUREG 0588, Category II, and in many cases are more conservative.

The selection of qualification methods is based on the severity of the accident conditions and the function of the component. Two controlling types of harsh environments have been determined at WNP-2.

Severe Harsh environments--This environment is created by a LOCA/MSLB inside containment and is characterized by high temperatures, high pressures, high radiation levels, steam conditions, 100% relative humidity and possible demineralized water spray. This condition is found only in the primary containment.

2. Moderate Harsh environments--This environment is created by a high energy line break outside containment and is characterized by high to moderate temperatures, steam conditions and increased humidity. Neither high pressure nor high radiation are present in this environment. Flooding analyses are currently being prepared as described in Section 3.2.4 of this report.

These conditions can produce harsher environments than would be present during normal operation. With the exception of the SGTS, Hydrogen Recombiner, and ECCS spaces which have high radiation levels during postulated LOCA conditions, the Reactor Building is characterized by moderate radiation, temperature and humidity levels. Significant changes in pressure and steam conditions would not occur.

In conformance with Appendix E of NUREG 0588, safety related equipment that must function during a harsh environment has been classified. The specific environment that this equipment will experience has been provided in the Equipment Qualification Reports in Appendix C.

4.2.1 Equipment Inside Primary Containment

In the containment, where equipment will experience the direct effects of a LOCA, a rigorous set of criteria was established. This approach was taken due to the severe harsh environmental conditions that occur. A sequential test (aging, radiation, temperature/pressure under steam conditions) was a required element of the documentation. Test data was evaluated to IEEE-323, 1974. The evaluation included verifying the estimated life, radiation exposure, steam temperature/pressure levels and duration were adequate to envelop the containment environmental service conditions. However, when test durations were less than the required period of operability, evaluations were performed to establish the test duration deficiency was adequately covered by a greater than required post LOCA test condition. The test results were reviewed to verify that the component met its required performance characteristics before, during, and after testing.

4.2.2 Equipment Inside the Reactor Building (Secondary Containment)

Most Class 1E equipment in the reactor building is not required to function for both the steam line break accident and the secondary harsh environment created by the LOCA inside containment.

For equipment in the Reactor Building radiation zones that must function during the LOCA but is not required to function to mitigate the effects of a steam line break, a less rigorous evaluation criteria was used. Analysis of material thermal and radiation capability was allowed. In most cases, elevated temperature testing with steam conditions and high relative humidity testing data was available to demonstrate the components' capability to the thermal and humidity conditions. Missing in the documentation was information addressing the components capability to withstand the radiation levels. Evaluation to verify that the material functional threshold levels were greater than the service conditions was performed to supplement the documentation. This material radiation analysis was limited to equipment that does not contain sensitive transister and integrated circuit solid state components.

The functional radiation threshold for a component was based on the material and functions of each non-metallic part. The applicable material property (i.e., compression set, elongation, etc.) was considered. In some cases the material functional threshold was found to be greater than the radiation level that first causes a noticeable change in the material (threshold level). These cases were generally static applications such as gaskets and O-rings.

Material handbooks were consulted to determine the humidity susceptability of selected materials of construction such as gaskets and O-rings. Test data was required for nonsealed electrically energized parts such as motor windings and solenoid coils.

For equipment located in the Reactor Building high radiation zones previously mentioned, radiation testing documentation which demonstrates the components capability was required.

For equipment that must function during a LOCA and also function to mitigate the steam line break accident, testing to the steam line break conditions was a required element in the documentation review. However, sequential radiation testing in conjunction with the steam line break was not a required element. Material radiation effects evaluation as described previously was allowed. This approach is acceptable because it is not required to postulate that both these events occur simultaneously. Therefore, the steam conditions and the radiation conditions would not occur simultaneously as they are produced by separate accidents.

4.2.3 Equipment Located in Mild Environments

A mild environment is defined to be an environment that would be no more severe than would occur during normal power plant operation or during anticipated operational occurrences.

Class 1E and safety related mechanical (SRM) equipment located in mild or benign environments satisfy general quality and surveillance requirements applicable to safety related equipment, including 10CFR50 Appendix B. The Class 1E and SRM equipment purchased and documented under the above quality requirements satisfy the environmental qualification requirements for safety related equipment located in mild environments.

4.3 MARGIN

Margin, or conservatism, is added to the aspects of the equipment qualification procedure. This is done to account for normal variations in commercial production of equipment and reasonable errors in defining acceptable performance.

The qualification requirements were established using conservative assumptions and analytical procedures. The reactor building thermal hydraulic profiles have been developed using conservative computer codes. The required radiation doses were developed using conservative source terms, as discussed in Section 3.2.3 of this report.

A minimum operating time of one hour was used for most of the equipment that is required to perform its safety function within a short time into the event and, once its function is complete, subsequent failures are not detrimental to plant safety. In the specific cases where less than one hour was used, a system and component function evaluation was performed to determine a more realistic, yet conservative operating time.

4.4 AGING

The purpose of evaluating equipment aging is to assure that equipment will perform its safety function in an advanced life state during or following the hostile environment following a LOCA/HELB. The program developed by the Supply System addresses this issue within the context of current aging technologies.

An estimated life has been determined for Class 1E equipment located in both harsh and benign environments. The life is calculated based on accelerated aging test data and current analytical techniques (Arrhenius model, 10oC Rule). Manufacturer's recommendations are also evaluated when determining an estimated life.

Aging of equipment in the reactor building will be addressed through preventive maintenance/surveillance programs. These programs will assure that all Class 1E equipment in these areas will be capable of performing its safety function during and following an accident. Inspection programs are being developed to track component degradation. Rebuild and replacement schedules are being established based on materials known to be age susceptible. Operating experience at other plants and manufacturer recommendations are being utilized. Since the reactor building is accessible during

plant operation, these activities will be performed on a regular basis. Component degradation will be tracked and equipment upgraded as required.

Common mode failure of Class 1E equipment due to aging effects is an unlikely event, in any case. Structural isolation of the Class 1E equipment restricts the effects of a postulated accident. This, and the equipment estimated life calculations coupled with surveillance/maintenance programs provide adequate engineering protection against common mode failure of safety related equipment.

4.5 SAFETY RELATED MECHANICAL EQUIPMENT (HARSH ENVIRONMENTS)

Mechanical equipment has not generally demonstrated the degree of sensitivity to environmental exposure that the electrical equipment have. The metallic parts of the mechanical equipment comprise the major portion and non-metallic parts are generally utilized in the equipment in such a manner that the degradation of mechanical properties will not substantially affect the required active safety function of the equipment.

Although we are confident in the ability of mechanical equipment to perform required safety functions, a reevaluation of this equipment's ability to function under harsh environmental conditions will be made.

The Supply System intends to implement the following reevaluation program upon concurrence by the NRC to document the safety related mechanical equipment environmental qualification. Safety related mechanical equipment (SRM) is broken down into equipment sets as illustrated by Figure 4-1. This equipment may be required to function during and after an accident to mitigate the consequence of an accident, and to safely shut down the reactor. The SRM equipment that require environmental qualification are defined to be active valve and pump sub-sets exposed to a harsh environment that must function during an accident. See Figure 4-1.

The environmental parameters, and assigned margins, are identical to those used in the environmental qualification of the Class 1E driving component, e.g., valve actuator, pump motor. These parameters are:

- Radiation
- Temperature
- Pressure
- Water spray
- Steam/humidity
- Submergence.

In addition, the fluid conditions (temperature, pressure, radiation fluid chemistry) processed by SRM equipment is considered in the environmental qualification. The qualification of this equipment also considers the individual equipment operating time required for performance of the safety function. The environmental parameters are contained in Appendix B of this report. Chapter 3 of the FSAR contains the design requirements for SRM equipment handling process fluids. Where process fluid conditions are equal or more severe than the accident environmental service conditions, the SRM equipment is considered environmentally qualified without further evaluation.

The program methodology for environmental qualification of SRM equipment is dependent on location of the equipment. SRM equipment located in mild environments is addressed in Section 4.2.3.

SRM equipment that must function during an accident located in areas susceptible to LOCA and HELB effects are qualified through a materials analysis in addition to the surveillance and maintenance program activities. The equipment and materials analysis identifies any susceptibility and weakness to radiation, high temperature, high pressure, steam, water spray and submergence. Any effects from the above are factored into the surveillance/maintenance program. Where the analysis clearly indicates a part failure, a failure modes and effects analysis is performed to determine the part failure impact on the equipment's ability to perform the safety function.

The evaluation criteria used to perform this equipment and materials analysis is as follows:

- Non-metallic materials (seals, gaskets, lubricants, hydraulic fluids, phenolics, etc.) are analyzed for susceptibility to the normal and accident environmental parameters, mentioned previously. The tools used in this analysis include Arrhenius methods, the material's temperature rating, pressure rating (if applicable), radiation resistance, and susceptibility to chemical and moisture exposure.

- Non-metallics (valve packing, O-rings, etc.) exposed to process fluids (primary water, etc.) are evaluated for their ability to operate properly under the accident conditions. The tools, above, are used here in addition to manufacturer's recommendation.

- Active metallic components (valve stems, pump shafts) are evaluated against susceptibility to corrosive attack due to exposure to steam, water spray and submergence. The tools employed here are proper engineering design and design reviews, as well as quality assurance inspection and surveillance/maintenance programs.

- In addition to the above criteria, the evaluation takes into consideration advisory communication from the NRC Staff (IE Bulletins, Notices, etc.) and industry (EPRI efforts, manufacturer's bulletins, and other utilities).

The results of the equipment and materials analysis are then coupled with the surveillance and maintenance program to provide proper qualification of safety related mechanical equipment located in harsh, inaccesible areas.

4.6 DOCUMENTATION

The Class 1E Equipment Qualification Reports in Appendix C summarize the qualification evaluations that have been performed. Tests, analyses and other documentation used to demonstrate that each component is qualified for its application and meets its specific performance requirements are on file at the Supply System.

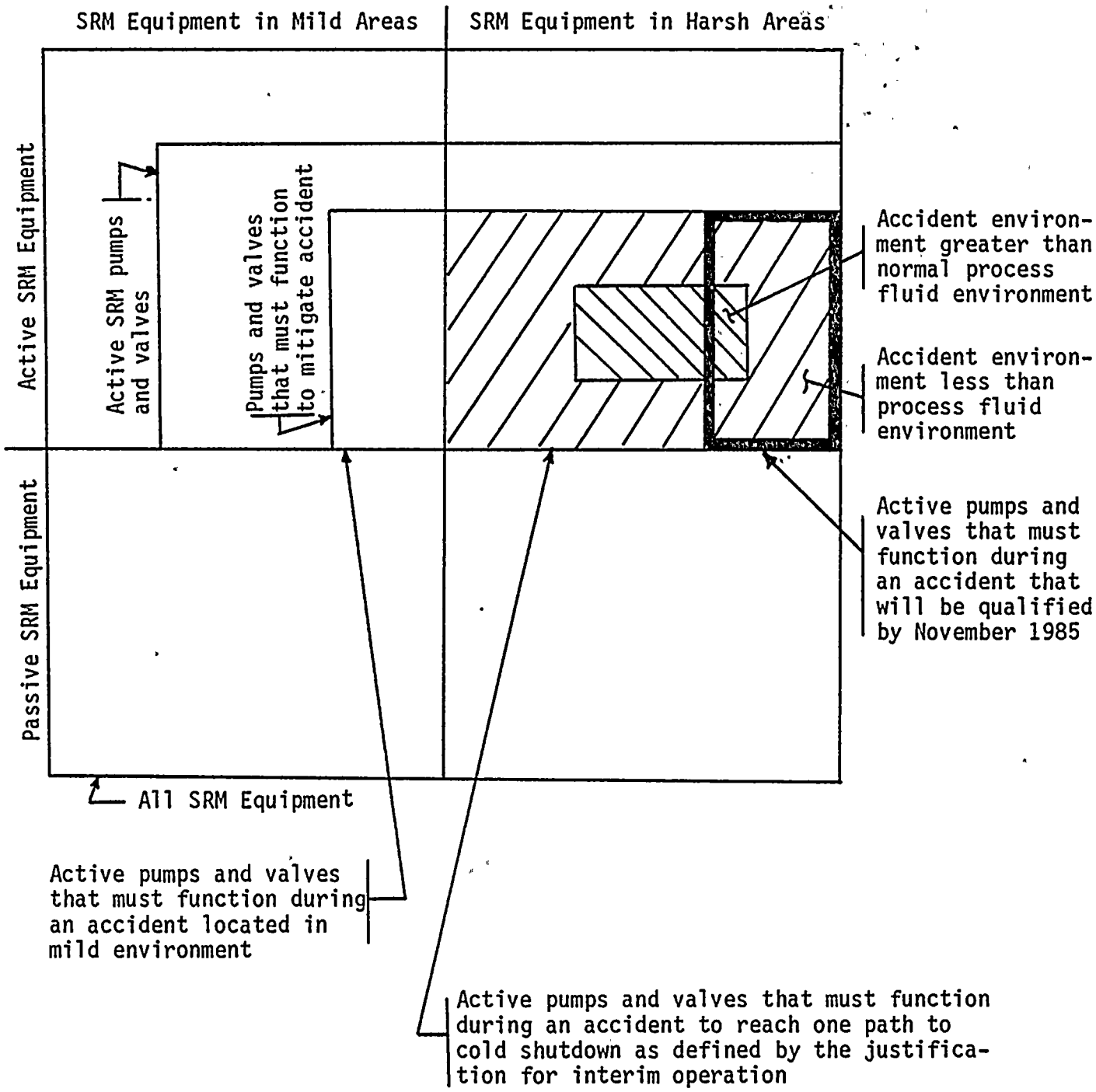

SRM Equipment in Mild Areas
SRM Equipment in Harsh Areas
Active SRM Equipment
Passive SRM Equipment
Active SRM pumps and valves
Pumps and valves that must function to mitigate accident
Accident environment greater than normal process fluid environment
Accident environment less than process fluid environment
Active pumps and valves that must function during an accident that will be qualified by November 1985
All SRM Equipment
Active pumps and valves that must function during an accident located in mild environment
Active pumps and valves that must function during an accident to reach one path to cold shutdown as defined by the justification for interim operation

Figure 4-1

5.0 QUALIFICATION RESULTS

The environmental qualification status of the components identified on the Class 1E Equipment List (Appendix A) has been evaluated. The status of the evaluations is presented on the Equipment Qualification Reports in Appendix C.

5.1 EFFORTS TO DATE

The Class 1E List (Appendix A) identifies the safety related electrical equipment, along with its respective qualification status. The available qualification documentation has been obtained and reviewed for this equipment. The reviews, supplemented by engineering analyses, have determined that most of the components meet the intent of NUREG 0588, Category II. In some cases, it has been determined that there is insufficient documentation to support complete qualification. These cases are being resolved as the qualification evaluation is completed. The method for completing the qualification is included on the individual Equipment Qualification Reports in Appendix C.

5.2 ON-GOING ACTIVITIES

Evaluation and requalification of Class 1E equipment at WNP-2 is continuing. The following activities are being performed:

- Qualification documentation is being obtained for recently identified equipment. This includes equipment being procurred to address Reg. Guide 1.97 concerns.

- LOCA tests have been completed on terminal blocks. Test specifications are being developed for other equipment types.

- Certain components, such as limit switches, solenoid valves and motor operators, are being replaced with components qualified to IEEE 323-74.

- Where required, motor control center rooms are shielded from direct radiation to make them mild environments (TID 10^4 rad).

- A preventive maintenance/surveillance program is being developed to address equipment aging.

- The impact of NUREG 0803 on the equipment qualification program is being evaluated.

In addition to the activities to resolve component specific qualification deficiencies, the Supply System is pursuing a number of generic qualification activities. These activities, which are being performed to keep abreast of the current equipment qualification technology, include the following:

- The Supply System is a member of the EPRI Equipment Qualification Advisory Group. The Supply System is also participating in a BWR Utility Equipment Environmental Qualification Group (EQUATE).

- New Class 1E equipment located in harsh environment areas currently being ordered are specified to be qualified to IEEE 323-74, unless sound reasons to the contrary exist.

- IE Bulletins, Circulars and Information Notices are being reviewed to determine their impact on the WNP-2 equipment qualification program.

- The Supply System is participating in other industry cost-sharing groups.

- Direct service contracts are in place with testing laboratories to perform equipment qualification testing.

6.0 JUSTIFICATION FOR INTERIM OPERATION

To obtain an operating license for WNP-2, the Supply System has been notified (Reference 2) that safety-related electrical equipment shall be reviewed using NUREG 0588, Category II, "Interim Staff Position on Environmental Qualifications of Safety-Related Electrical Equipment", as the basis for determining the adequacy of the safety-related equipment's documentation. Furthermore, the NRC staff has informed (Reference 22) the Supply System that where there are deficiencies, the Supply System should commit to corrective action consistent with the requirements to establish qualification. If fuel loading occurs before complete qualification can be obtained, justification for operation until corrective actions are completed must be provided.

In addition, the NRC Staff's proposed final rule 10CFR50.49, regarding environmental qualification of safety-related electric equipment, states that "the applicant for an operating license shall perform an analysis to ensure that the plant can be safely operated pending completion of environmental qualification." For WNP-2, the Equipment Qualification Program is in process and, as demonstrated by this report, many components have been shown qualified by existing documentation. However, it is unlikely that all safety-related electrical equipment will be fully documented before desired full power operation of WNP-2. Therefore, a Justification for Interim Operation (JIO) has been performed. It is concluded that, upon documentation of the qualification of a minimum set of safety-related electrical equipment, WNP-2 can be safely operated pending completion of the Environmental Qualification Program for all safety-related electrical equipment.

The basis for this conclusion is in establishing the ability to accomplish the following six safety functions with a minimum set of safety-related electrical equipment.

1. Emergency Reactor Shutdown
2. Containment Isolation
3. Reactor Core Cooling

4. Containment Integrity
5. Core Residual Heat Removal
6. Prevention of Significant Release of Radioactive Material to the Environment

The methodology and results of this JIO analysis are provided herein (Reference Appendix D, Justification for Interim Operation Report). The following are the main elements of the analysis.

- Accident Definition

  The accidents that potentially result in a harsh environment inside the primary containment or reactor building were identified. Seven types of accidents were identified: three Loss-of-Coolant Accidents (LOCAs) and four High Energy Line Breaks (HELBs). The environmental conditions (pressure, temperature, humidity, and radiation) associated with these accidents, and the areas of the plant affected, were determined.

- Safety Sequence Analysis

  A Safety Sequence Analysis was performed to determine all of the safety-related systems required to achieve the six safety functions. For each postulated accident, Safety Sequence Diagrams (SSDs) were prepared. The SSDs identified the systems required to mitigate each accident, shut down the reactor, and maintain it in a safe condition by accomplishing the necessary safety functions.

- Safety-Related Equipment

  The safety-related electrical equipment for the systems identified in the Safety Sequence Analysis was taken from the safety-related equipment list.

- Failure Modes and Effects Analysis

  A Failure Modes and Effects Analysis (FMEA) was performed for all safety-related equipment, in the systems identified by the SSA, that need not function to achieve the six safety functions. All equipment whose failure was determined to have no adverse effect on plant safety or accident mitigation need not be qualified for any accident environment, but it will be qualified for its normal service environment. The analysis included determining the justification for classifying the equipment that need not be environmentally qualified for a harsh environment.

- Selection of Minimum Required Equipment

  Safety-related electrical equipment, in the systems identified by the SSA, that is required to operate to achieve the six safety functions, or must not fail in a manner detrimental to the six safety functions, was evaluated. A minimum set of this equipment in a single success path to achieve the required safety functions, for all evaluated accidents, was determined. This minimum set of equipment will have documentation of environmental qualification, or adequate justification will be provided, prior to full power operation of WNP-2. The documentation of this minimum set of safety-related electrical equipment ensures that the required safety functions will be achieved for all evaluated LOCAs and HELBs that potentially result in a harsh environment.

  The safety-related electrical equipment not requiring documentation prior to full power operation, including redundant or diverse systems and fuel pool cooling, will be documented to establish its qualification prior to November 30, 1985.

7.0 SUMMARY

This document summarizes the evaluation of environmental qualification of Class 1E equipment in WNP-2, performed in accordance with NUREG 0588, Category II. It provides a summary of the Environmental Qualification Program that is being undertaken by the Supply System. The program will ensure that all Class 1E equipment will perform its safety-related function during normal, abnormal and postulated accident conditions.

The present status of the evaluation is as follows:

- Normal, abnormal and accident service conditions in primary containment and the reactor building (harsh environments) have been defined. Flooding is currently being evaluated.

- Class 1E equipment has been identified by the tag number along with its required safety function, use, and required operating time. The location and manufacturer's data for most of this equipment have been determined.

- The qualification status of identified Class 1E equipment has been determined. The status of some equipment not installed will be determined as additional data is received.

- Corrective actions are being taken to resolve qualification documentation deficiencies.

Of the Class 1E components identified, qualification data has been evaluated and a qualification status has been determined for 3078 (96%) of these components. The status of the equipment evaluations is as follows:

- 2716 (85%) components are qualified to the environmental service conditions

- 94 components are being replaced or purchased qualified
- 119 components are being type tested
- 149 components are being qualified by engineering evaluations.
- 120 components require additional data to determine the qualification status

The qualification status of each component is described on the Equipment Qualification Reports in Appendix C.

This report documents the current status of the environmental equipment qualification program at WNP-2.

8.0 REFERENCES

1. NRC Office of Nuclear Reactor Regulation, "Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment", NUREG 0588, Rev. 1.

2. NRC Division of Project Management, "Qualification of Safety-Related Electrical Equipment", letter from D. F. Ross (NRC) to Operating Licenses Applicants, February 1980.

3. The Institute of Electrical and Electronics Engineers, Inc. (IEEE), "IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations", IEEE Standard 323-1974.

4. EDS Nuclear Inc., "Review of 1E/1M Equipment Lists for Safety-Related Systems", Project Instruction No. 7, Job No. 1140-001, Revision 3, October 12, 1981.

5. General Electric Environmental Design Specification No. 22A3008, Revision 5, April 1977.

6. Washington Public Power Supply System, "WNP-2 - Final Safety Analysis Report".

7. NRC Office of Nuclear Reactor Regulation, "Clarification of TMI Action Plan Requirements", NUREG 0737, Rev. 0, October 31, 1980.

8. ORIGEN, "Isotope Generation and Depletion Code", RSIC Computer Code Collection, Oak Ridge National Laboratory, Updated September 27, 1979.

9. NRC Office of Nuclear Reactor Regulation, "Technological Bases for Models of Spray Washout of Airborne Contaminants in Containment Vessels", NUREG CR-0009, 1978.

10. QAD-P5A, "Point Kernel General Purpose Shielding Code", RSIC Computer Code Collection, Oak Ridge National Laboratory.

11. EDS Nuclear Inc., Zone Dose Calculations, Series 0740-004-xxx.

12. Washington Public Power Supply System Calculations:

NE-02-81-06-0	NE-02-81-13-0	NE-02-81-17-0
NE-02-81-07-0	NE-02-81-14-0	NE-02-81-18-0
NE-02-81-08-0	NE-02-81-15-0	NE-02-81-19-0
NE-02-81-09-0	NE-02-81-16-0	NE-02-81-20-0

13. Idaho National Engineering Laboratory, "RELAP4/MOD5, A Computer Program for Transient Thermal Hydraulic Analysis of Nuclear Reactors and Related Systems", Volumes I and II, ANCR-NUREG 1335, September 1976.

14. COMPARE MOD1A - NUREG/CR-1185.

15. NRC Office of Nuclear Reactor Regulation, "Generic Safety Evaluation Report Regarding Integrity of BWR Scram System Piping", NUREG 0803.

16. Washington Public Power Supply System, "Supply System Response to NRC SER Issue - Pipe Breaks in BWR Scram Discharge Volume", Memo R. O. Vosburgh to C. D. Taylor, December 30, 1981.

17. EPRI, "Radiation Effects on Organic Materials in Nuclear Plants", Report NP-2129, Project 1707-3, November 1981.

18. Washington Public Power Supply System, "Acceptance Criteria for WNP-2 Safety Related Equipment Qualification", Engineering Instruction No. EDI-4.8.

19. WNP-2 Final Shielding Evaluation Report, September 1982.

20. Washington Public Power Supply System Calculation NE-02-82-39-0.

21. Washington Public Power Supply System Calculation NE-02-81-14-0.

22. NRC Office of Nuclear Reactor Regulation, "Safety Evaluation Report", NUREG-0892, March 1982.

APPENDIX A

CLASS 1E EQUIPMENT LIST

Appendix A contains the following information:

Class 1E Equipment List Users Manual: Description of codes used on the Class 1E list

Column Designation	Description
1. CONTRACT	The contract under which the equipment was purchased. The contracts beginning with 02 and Contract 59 were with the NSSS supplier. The two-digit contracts are for equipment purchased through our A/E and the three-digit contracts indicate equipment purchased through contractors at the construction site.
2. COMPOSITE NO.	The composite, such as instrument rack or valve, on which a component is located.
3. EQUIPMENT NO.	The equipment piece number (EPN) is listed. It is composed of the system designation (a complete list is enclosed), a component code (list enclosed) and a unique identifier.
4. MFG	Manufacturer: Contains the code prepared for the industry by Southwest Research Corporation indicating the company who manufactured the equipment. In a few cases where the manufacturer has not been determined, the supplier's code was put in this column until the manufacturer has been determined.
5. MFG MODEL NO.	The manufacturer's model number. In the cases where this has not been determined, General Electric purchased part drawing number or other applicable information is supplied.

6. Q.I.D. The Qualification Identification is a six-digit number indicating a file which contains all the qualification documentation for that EPN along with summary forms and plant walk-through records.

7. LV Level assigned to equipment. An identifier which will permit the sorting of the 1E/1M list into major pieces of equipment, instrumentation and subcomponent parts.

Level 1: Class 1E/1M composite equipment which requires qualification of the overall assembly. Each composite piece of equipment will be identified with a unique Equipment Piece Number (EPN) and will have the symbol "+" added to the end of the EPN. Motor operated valves would be listed as composite equipment with a level designation of 1.

Other examples would include the diesel generator skids, pump skids, air handling units, filter/dryer assemblies, air compressors, etc.

Level 2: A Class 1E/1M component or instrument function which requires individual qualification.

The instrument function is described by an instrument loop which could include a sensor, a switch, an alarm, an indicator and/or a controller. Whenever an instrument loop is identified as Safety-Related, the sensor will receive a Level 2 designation and all other instrument loop components will be designated Level 3.

Example 1: For a motor-operated valve, the valve body, valve motor, and external limit switches (if they have a Safety-Related function) are all Level 2 components.

Example 2: An instrument consisting of a flow element, flow transmitter, flow switch and flow indicator would have the flow element as Level 2 with the other components as Level 3.

Level 3: Any 1E/1M instrumentation component not included in Level 2.

Example: A flow transmitter associated with a 1E/1M flow element would be designated as Level 3.

Level 4: A subcomponent of a class 1E/1M component.

Example: Internal limit switch to motor operators for valves, dropping resistors, pressure transmitter circuit boards, wiring, indicating lights, etc.

8. EC The Class 1 action that a piece of equipment or a system is required to perform or monitor that makes it Safety Related.

A component may provide one or more of the safety functions listed below.

Symbol	Function
A.	Emergency Reactor Shutdown including SCRAM Signals and Reactivity Insertion.

Symbol	Function
B.	Containment Isolation B1 Primary Containment B2 Reactor Building
C.	Emergency Core Heat Removal
D.	Containment Atmosphere Control
E.	Core Residual Heat Removal, including Long-Term Cooling
F.	Prevention of the Release of Radioactive Material to the Environment
G.	No Active Safety Function but a Passive Integrity Function
H.	Emergency Electrical Power Systems, AC and DC.
I.	Instrumentation to Follow the Course of an Accident
J.	Compartment Heat Removal for Equipment Operability or Personnel Habitability

9. PLANT LOCATION The location of the component within the plant by building, elevation and coordinates.

10. Q.S. Qualification Status (second column) indicates the environmental qualification of the equipment. The following list shows the meaning of the codes used.

A - Acceptable, thermal aging completed

B - Acceptable, thermal aging being covered by surveillance

C - Acceptable, not installed

D - No documentation in files

G - Being requalified by modification of the hardware or the environment

M - Being requalified by analysis

N - Not Acceptable, requalification method not yet determined

P - Purchasing qualified replacement

R - Not reviewed

T - Being requalified by test

The first column shows the seismic qualification status.

11. F/O HOURS The time, in hours, a component is required to function following an accident.

12. EQUIPMENT DESCRIPTION A description of the equipment function.

13. DRAWING — The plant P&ID on which the component appears.

14. USE — Contains codes which describe equipment use during accident and/or normal plant shutdown conditions. The USE field is based on Item 2 Appendix E of NUREG 0588.

The "USE" input field is a two-digit field. The first digit shows the equipment operability requirement for accident mitigation and the second shows the equipment operability requirements for Hot or Cold shutdown conditions.

X X

0 — The equipment is not required before, during or after an accident.

Example: Equipment in this category provides no active function, but may provide a passive function by containing radioactive material outside the Reactor Building. It need not be qualified to demonstrate operability, even under non-accident service environments.

1 — Equipment that will experience the environmental conditions of design basis accidents for which it must function to mitigate said accidents, and that will be qualified to demonstrate operability in the accident environment for the time required for accident mitigation with safety margin to failure.

Example: Equipment in this category is required for accident mitigation of accidents analyzed in the FSAR. This includes: pumps, valves, electrical equipment, instrumentation to follow the course of an accident, etc.

2 Equipment will experience environmental conditions of design basis accidents through which it need not provide an active function for mitigation of said accidents, but through which it must not fail in a manner detrimental to plant safety or accident mitigation, and that will be qualified to demonstrate the capability to withstand any accident environment for the time during which it must not fail with safety margin to failure.

Example: Equipment in this category must not actively fail in a manner detrimental to plant safety, e.g., a motor operated valve that is normally shut would be categorized as a "2" if its inadvertent opening would be detrimental to plant safety. Equipment that provides only a passive integrity function on a potentially contaminated system will be categorized as a "2" and will have a "G" placed in the "EC" column.

Category 2 will include all manual boundary, integrity, test and root valves which may be exposed to post-LOCA and radioactive drain systems components (FDR and EDR).

3 Equipment that will experience environmental conditions of design basis accidents through which it need not function for mitigation of said accidents, and whose failure (in any mode) is deemed not detrimental to plant safety or accident mitigation, and <u>need not</u> be qualified for any accident environment but will be qualified for its nonaccident service environment.

Example: Equipment in this category is limited to the 1E/1M equipment in the "harsh environments" which is Safety-Related only to prevent the release of radioactive material and will not be exposed to post-LOCA radioactive fluids.

This category will include the components of the Reactor Water Clean-up System downstream of the second containment isolation valve.

4 Equipment that will not experience environmental conditions of design basis accidents and that will be qualified to demonstrate operability under the expected extremes of its accident service environment. This equipment would be located outside the Reactor Building.

Second Digit

<u>X</u> <u>X</u>

0 The equipment is not required to operate to shut down the plant during normal conditions.

1 The equipment is required to operate for Hot Shutdown only during normal plant conditions.

2 The equipment is required to operate for Cold Shutdown only during normal plant conditions.

3 The equipment is required to operate for both Hot Shutdown and Cold Shutdown during normal conditions.

PROJ	SYSTEM CODE	SYSTEM TITLE
02	ANN	ANNUNCIATORS
02	APRM	AVERAGE POWER RANGE MONITOR SYSTEM
02	AR	AIR REMOVAL SYSTEM
02	ARM	AREA RADIATION MONITORING
02	AS	AUXILIARY STEAM SYSTEM
02	BA	BACKWASH AIR SYSTEM
02	BCF	BOILER CHEMICAL FEED SYSTEM
02	BD	BLOWDOWN SYSTEM
02	BS	BLEED (EXTRACTION) STEAM SYSTEM
02	C	CONTAINMENT STRUCTURES AND APPURTANCES
02	CAC	CONTAINMENT ATMOSPHERE CONTROL SYSTEM
02	CAS	CONTROL AIR SYSTEM
02	CBD	CIRCULATING WATER BLOWDOWN SYSTEM
02	CEP	CONTAINMENT EXHAUST PURGE SYSTEM
02	CF	CHEMICAL FEED SYSTEM
02	CIA	CONTAINMENT INSTRUMENT AIR SYSTEM
02	CL	CHLORINE SYSTEM
02	CMS	CONTAINMENT MONITORING SYSTEM
02	CN	CONTAINMENT NITROGEN SYSTEM
02	CND	CONDENSOR DRAINS / VENTS SYSTEM
02	CO	AUXILIARY CONDENSATE SYSTEM
02	COND	NUCLEAR CONDENSATE SYSTEM
02	CO2	CARBON DIOXIDE SYSTEM
02	CPR	CONDENSATE DEMINERALIZER SYSTEM
02	CRA	CONTAINMENT RETURN AIR SYSTEM
02	CRD	CONTROL ROD DRIVE SYSTEM
02	CSP	CONTAINMENT SUPPLY PURGE SYSTEM
02	CTHA	C.T. ELECTRICAL BLDG MIXED AIR (HVAC) SYSTEM
02	CVB	CONTAINMENT VACUUM BREAKER SYSTEM
02	CW	CIRCULATING WATER SYSTEM
02	DCW	DIESEL COOLING WATER SYSTEM
02	DE	DIESEL EXHAUST (ENGINE) SYSTEM
02	DEA	DIESEL BUILDING EXHAUST AIR (HVAC) SYSTEM
02	DEH	DIGITAL-ELECTRO-HYDRALLIC CONTROL SYSTEM
02	DG	DIESEL GENERATOR SYSTEM
02	DLO	DIESEL LUBE OIL SYSTEM
02	DMA	DIESEL BUILDING MIXED AIR (HVAC) SYSTEM
02	DO	DIESEL OIL SYSTEM
02	DOA	DIESEL BUILDING OUTSIDE AIR (HVAC) SYSTEM
02	DRA	DIESEL BUILDING RETURN AIR (HVAC) SYSTEM
02	DSA	DIESEL STARTING AIR SYSTEM
02	DW	DEMINERALIZED WATER SYSTEM
02	E	ELECTRICAL SYSTEM
02	ED	EQUIPMENT DRAIN SYSTEM (PIPING ONLY)
02	EDR	EQUIPMENT DRAINS RADIOACTIVE SYSTEM
02	ES	EXHAUST STEAM (TURBINES) SYSTEM
02	FD	FLOOR DRAIN SYSTEM
02	FDR	FLOOR DRAIN RADIOACTIVE SYSTEM
02	FO	FUEL OIL SYSTEM
02	FP	FIRE PROTECTION SYSTEM
02	FPC	FUEL POOL COOLING SYSTEM

PROJ	SYSTEM CODE	SYSTEM TITLE
02	FW	FILTERED WATER SYSTEM
02	GEA	GUARD HOUSE EXHAUST AIR (HVAC) SYSTEM
02	GFP	GUARD HOUSE FIRE PROTECTION SYSTEM
02	GMA	GUARD HOUSE MIXED AIR (HVAC) SYSTEM
02	GOA	GUARD HOUSE OUTSIDE AIR (HVAC) SYSTEM
02	GPWH	GUARD HOUSE POTABLE HOT WATER SYSTEM
02	GRA	GUARD HOUSE RETURN AIR (HVAC) SYSTEM
02	GY	GLYCOL SYSTEM
02	HCO	HEATING STEAM CONDENSATE SYSTEM
02	HD	HEATER DRAIN SYSTEM
02	HHW	HEATING HOT WATER SYSTEM
02	HPCS	HIGH PRESSURE CORE SPRAY SYSTEM
02	HS	HEATING STEAM SYSTEM
02	HV	HEATER VENT SYSTEM
02	HY	RCC HYDRAULIC CONTROL
02	H2	HYDROGEN SYSTEM
02	IBD	ISO PHASE BUS DUCT SYSTEM
02	IRM	INTERMEDIATE RANGE MONITOR
02	LD	LEAK DETECTION SYSTEM
02	LE	LABORATORY EQUIPMENT
02	LPCS	LOW PRESSURE CORE SPRAY SYSTEM
02	LPRM	LOCAL POWER RANGE MONITOR SYSTEM
02	MD	MISCELLANEOUS DRAIN SYSTEM
02	MET	METEOROLOGICAL SYSTEM
02	MS	MAIN STEAM (NUCLEAR) SYSTEM
02	MSH	MACHINE SHOP EQUIPMENT
02	MSLC	MAIN STEAM LEAKAGE CONTROL SYSTEM
02	MSRV	MAIN STEAM RELIEF VALVE SYSTEM (PIPING ONLY)
02	MT	MATERIAL TRANSPORT SYSTEM
02	MV	MISCELLANEOUS VENTS (PIPING ONLY)
02	MW	MISCELLANEOUS WASTE SYSTEM
02	MWR	MISCELLANEOUS WASTE (RADIOACTIVE) SYSTEM
02	NSSE	NUCLEAR SYSTEM SERVICING EQUIPMENT SYSTEM
02	OG	OFF GAS SYSTEM
02	P	PUMP HOUSE (ALL) BLDG,STRUCTURE & APPURTANCES
02	PEA	PUMP HOUSE EXHAUST AIR (HVAC) SYSTEM
02	PI	PROCESS INSTRUMENTATION SYSTEM
02	PMA	PUMP HOUSE MIXED AIR (HVAC) SYSTEM
02	POA	PUMP HOUSE OUTSIDE AIR (HVAC) SYSTEM
02	PRA	PUMP HOUSE RETURN AIR (HVAC) SYSTEM
02	PS	PROCESS SAMPLING SYSTEM
02	PSR	PROCESS SAMPLING RADIOACTIVE SYSTEM
02	PV	PROCESS VENT SYSTEM
02	PVR	PROCESS VENTS RADIOACTIVE SYSTEM
02	PWC	POTABLE COLD WATER
02	PWH	POTABLE HOT WATER
02	PWR	PROCESS RADIOACTIVE (SOLIDS) SYSTEM
02	R	REACTOR BLDG STRUCTURE & APPURTANCES
02	RBM	ROD BLOCK MONITOR SYSTEM
02	RCC	CLOSED COOLING WATER SYSTEM
02	RCIC	REACTOR CORE ISOLATION COOLING SYSTEM

PROJ	SYSTEM CODE	SYSTEM TITLE
02	RD	ROOF DRAIN SYSTEM (PIPING ONLY)
02	REA	REACTOR BUILDING EXHAUST AIR (HVAC) SYSTEM
02	RFT	REACTOR FEEDWATER TURBINE SYSTEM
02	RFW	REACTOR FEEDWATER SYSTEM
02	RHR	RESIDUAL HEAT REMOVAL SYSTEM
02	ROA	REACTOR BUILDING OUTSIDE AIR (HVAC) SYSTEM
02	RPS	REACTOR PROTECTION SYSTEM
02	RPWH	REACTOR BUILDING POTABLE HOT WATER
02	RRA	REACTOR BUILDING RETURN AIR (HVAC) SYSTEM
02	RRC	REACTOR RECIRCULATION SYSTEM
02	RWCU	REACTOR WATER CLEANUP SYSTEM
02	S	SAMPLING SYSTEM
02	SA	SERVICE AIR SYSTEM
02	SAT	SULFURIC ACID TREATMENT SYSTEM
02	SCH	SERVICE BUILDING CHILLED WATER SYSTEM
02	SCI	SUPERVISORY CONTROL INSTRUMENTATION
02	SCW	STATOR COOLING WATER SYSTEM
02	SEA	SERVICE BUILDING EXHAUST AIR (HVAC) SYSTEM
02	SEC	PLANT SECURITY SYSTEM
02	SEIS	SEISMIC MONITORING SYSTEM
02	SGT	STANDBY GAS TREATMENT SYSTEM
02	SHCO	SERVICE BUILDING HEATING CONDENSATE SYSTEM
02	SHHW	SERVICE BUILDING HEATING HOT WATER SYSTEM
02	SLC	STANDBY LIQUID CONTROL SYSTEM
02	SM	SAMPLING SYSTEM
02	SMA	SERVICE BUILDING MIXED AIR (HVAC) SYSTEM
02	SO	SEAL OIL SYSTEM
02	SPTM	SUPPRESSION POOL TEMP MONITORING SYSTEM
02	SPWH	SERVICE BUILDING POTABLE HOT WATER SYSTEM
02	SRA	SERVICE BUILDING RETURN AIR (HVAC) SYSTEM
02	SRM	SOURCE RANGE MONITOR SYSTEM
02	SS	SEALING STEAM SYSTEM
02	SW	STANDBY SERVICE WATER SYSTEM
02	T	TURBINE BLDG STRUCTURE & APPURTANCES
02	TEA	TURBINE BUILDING EXHAUST AIR (HVAC) SYSTEM
02	TEST	TEST EQUIPMENT AND INSTRUMENTS
02	TG	TURBINE GENERATOR
02	TIP	TRAVERSING INCORE PROBE SYSTEM
02	TMU	TOWER MAKE UP WATER SYSTEM
02	TO	TURBINE LUBE OIL SYSTEM
02	TOA	TURBINE BUILDING OUTSIDE AIR (HVAC) SYSTEM
02	TPWH	TURBINE BUILDING POTABLE HOT WATER SYSTEM
02	TRA	TURBINE BUILDING RETURN AIR (HVAC) SYSTEM
02	TSW	PLANT SERVICE WATER SYSTEM
02	VR	RADIOACTIVE VENT (PIPING ONLY)
02	W	RADWASTE BLDG STRUCTURE & APPURTANCES
02	WCH	WASTE BUILDING CHILLED WATER SYSTEM
02	WEA	WASTE BUILDING EXHAUST AIR (HVAC) SYSTEM
02	WHCO	WASTE BUILDING HEATING CONDENSATE SYSTEM
02	WMA	WASTE BUILDING MIXED AIR (HVAC) SYSTEM
02	WNP2	GENERAL SITE STRUCTURES,SYSTEMS & EQUIPMENT

PROJ	SYSTEM CODE	SYSTEM TITLE
02	WOA	WASTE BUILDING OUTSIDE AIR (HVAC) SYSTEM
02	WPWH	WASTE BUILDING POTABLE HOT WATER SYSTEM
02	WRA	WASTE BUILDING RETURN AIR (HVAC) SYSTEM
02	WRE	WASTE BUILDING REFRIGERATION SYSTEM

COMP CODE	COMPONENT IDENTIFICATION	C R	NPRD-COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	C L	IE EE	C/ GR	P S	P M	SPARE PART NO	SAF CLS
AC	AIR CONDITIONING UNIT	M	BLOWER	X A ##		SCFM		PSIG		HP	C	#				02-015	
AD	AIR DAMPER	M	VALVEX	B G		IN		PSIG		DEGF	C	#		#		02-019	
AH	AIR HANDLING UNIT	M	BLOWER	C A ##		SCFM	#	#		HP	D	#				02-024	
ALM	ALARM			VS ED							B			#		02-187	
ALT	ALTERNATING RELAY	E	CKTBKR	EXC#				DEGF		AMP	B			#		02-355	
AM	AMMETER	E	INSTRU	II#	# #	#	#	#	#	#	B			#		02-295	
AMP	AMPLIFIER		INSTRU	VX CA							B			#		02-135	
ANN	ANNUNCIATORS	E	ANNUNC	CB####	#	#	#	#	#	#						02-	
AO	AIR OPERATOR	M	VALVOP	##		LB		FTLB	#	#	C	#		#		02-303	
AR	AIR RECEIVER				#									#		02-120	
AR	ALARM RECORDER				#									#		02-205	
ASW	AIR SWITCH	I	VALVEX	X							B	#				02-325	
AUX	AUX. INST. OR ELECT. EQUIP	I	INSTRU	XY####							B			#		02-165	
AV	AIR RELEASE VALVE	M	VALVEX	XFL		IN		PSIG		DEGF	D	#			#	02-130	
AW	AIR WASHER	M	FILTER	A ##				PSID		MICR	C	#				02-024	OT
AY	ANALYZER	I	INSTRU	A #							B	#		#		02-150	
BD	BOARD	E	#	#####	#	#	#	#	#	#	B	#		#	# #	02-#	#
BJM	BRANCH JUNCTION MODULE	I	INSTRU	XYTCX#	#	#	#	#	#	#	B			#		02-385	
BL	BALER	M	MECFUN	XX ##		FTLB		RPM		RPM	C	#		#		02-020	
BLR	BOILER	M	HTEXCH	B #		KSFT		PSIG		MBH	C	#				02-025	OT
BUOY	BUOY	I	MECFUN	#####	#	#	#	#	#	#	D	#		#		02-175	OT
B0	24 VOLT BATTERY	E	BATTRY	##	#	#		VDC		AMPH	B			#		02-260	
B1	125 VOLT BATTERY	E	BATTRY	##	#	#		VDC		AMPH	B			#		02-260	
B2	250 VOLT BATTERY	E	BATTRY	##	#	#		VDC		AMPH	B			#		02-260	
B3																02-	
C	COMPRESSOR	M	BLOWER	##		SCFM		PSIG		HP	C	#				02-010	
CAR	CHLORINE ANALYZER/RECORDER	I	INSTRU	A #							B			#		02-150	
CB	CIRCUIT BREAKER	E	CKTBRK	A		VAC		DEGF		AMP	B			#		02-265	
CBL	CABLE	E	ELECON	CXXXXX												02-	
CC	COOLING COIL	M	HTEXCH	CH #		KSFT		PSIG		MBH	C	#		#	#	02-055	
CCU	CENTRAL CONTROL UNIT	I	INSTRU	UCCFF	#	#	#	#	#	#						02-	
CE	CONDUCTIVITY ELEMENT	I	INSTRU	CE #							B					02-170	
CF	CHARCOAL FILTER	M	FILTER	A ##		SCFM		PSID		MICR	B	#		#		02-040	
CHL	CHLORINATORS	M		#####	#	#	#	#	#	#	C	#		#		02-	
CI	CONDUCTIVITY INDICATOR	I	INSTRU	CI#CX	#	#	#	#	#	#	B	#		#		02-175	
CIS	CONDUCTIVITY INDIC. SWITCH	I	INSTRU	CSI #	#	#	#	#	#	#	B			#		02-325	
CIST	CONDUCTIVITY IND TRAN SWITCH	I	INSTRU	CTS #							B			#		02-230	
CIT	CONDUCTIVITY INDIC. TRANSMIT	I	INSTRU	CTI #							B			#		02-230	
CNTR	CONTACTOR,*CL.1E ONLY*	E	CKTBKR	B				DEGF		AMP						02-	
COE	CORROSIVITY SENSOR	I	INSTRU	XE# #	#	#	#	#	#	#	B	#		#		02-	
COMP	COMPUTER	I	INSTRU													02-202	
CON	CONDUCTIVITY ANAL/CONTROLLER	I	INSTRU	CX #							B			#		02-155	
CONN	CONNECTOR,*CL.1E ONLY*	E	ELECON	AXXXXX												02-	
COR	CORROSIVITY RECORDER	I	INSTRU	XR# #							B	#		#		02-	
CP	CONTROL PANEL	E	#	#####	#	#	#	#	#	#	B	#		#	# #	02-#	#
CPL	DATA COUPLER	I	INSTRU	#YRCX#	00001	VDC	#	ZZZ	#	ZZZ						02-035	
CR	DIODE,*CL.1E ONLY*															02-	
CR	CONDUCTIVITY RECORDER															02-205	
CR	CHILLER															02-055	
CRA	CRANE	M	MECFUN	CX ##		FTLB		RPM	RPM		C	#				02-106	
CRM	CONTROL ROOM MODULE	I	INSTRU	UYYCX	#	#	#	#	#	#						02-	
CS	CONDUCTIVITY SWITCH	I	INSTRU	CS# #	#	#	#	#	#	#	B					02-325	
CT	CURRENT TRANSFORMER			#								#		#		02-345	

COMP CODE	COMPONENT IDENTIFICATION	C R	NPRO COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	C L	IE EE	C/ GR	P S	P M	SPARE PART NO	SAF CLS
CT	CONDUCTIVITY TRANSMITTER			#								#	#			02-230	
CT	COOLING TOWER			#								#	#			02-055	
CU	CONDENSING UNIT	M	ACCUMU	X ###		PSIG		DEGF	#	#	C	#				02-080	
CO	24 VOLT BATTERY CHARGER	E	BATTRY	##	#	#		VDC		AMPH	B		#			02-261	
C1	125 VOLT BATTERY CHARGER	E	BATTRY	##	#	#		VDC		AMPH	B		#			02-261	
C2	250 VOLT BATTERY CHARGER	E	BATTRY	##	#	#		VDC		AMPH	B		#			02-261	
C3																02-	
C	DAMPER	M	VALVEX	B G		IN		PSIG		DEGF	D	#	#			02-019	OT
CC	DUST COLLECTOR	M	FILTER	##		SCFM		PSID		MICR	C	#	#			02-024	OT
DE	DENSITY ELEMENT	I	INSTRU	XE###	#	#	#	#	#	#	B	#	#			02-170	
DET	DETECTOR	I	INSTRU	ASEAG	#	#	#	#	#	#	B		#			02-170	
DFS	DIFFERENTIAL FLOW SWITCH	I	INSTRU	FSDE	#						B		#			02-325	
DIF	DIFFUSER	M	PIPEXX	X	#	IN		PSIG			C	#			#	02-080	OT
DISC	FUSED DISCONNECT	E	CKTBRK	A A				DEGF		AMP						02-	
DLR	DIFFERENTIAL LEVEL RECORDER	I	INSTRU	LRD	#						B	#	#			02-205	
DLS	DIFFERENTIAL LEVEL SWITCH	I	INSTRU	LSD	#						B		#			02-325	
DLT	DIFFEREN LEVEL TRANSMITTER	I	INSTRU	LTD	#						B					02-230	
DM	DEMINERALIZER	M	DIMINX	###	#	GPM		PSID		GMSF	B	#		#	#	02-042	
DMS	DEMISTER	M	AIRDRY	CD#		PSIG		SCFM		DEGF		#		#	#	02-	
DMTR	DEMAND METER	E	INSTRU	II#CB	#			AMP		AMP			#			02-295	
DOE	DISSOLVED OXYGEN ELEMENT	I	INSTRU	XE#	#	#	#	#	#	#	B					02-170	
DOIT	DISSOLVED OXYGEN INDIC TRANS	I	INSTRU	ATI	#						B		#			02-230	
DOOR	DOOR	M	PENETR	ZB##	#	#	#	#	#	#	D	#	#			02-115	OT
DP	DISTRIBUTION PANEL	E	CKTBKR	K DAB	#	120	VAC	DEGF		AMP	B		#			02-305	
DPC	D PRESS CONTROLLER	I	INSTRU	PCD	#						B		#			02-155	
DPE	DRIP PAN ELBOW	M	PIPEXX		#	IN		PSIG	#	#	D	#	#	#		02-080	OT
DPI	D PRESS INDICATOR	I	INSTRU	PID	#	#	#	#	#	#	B	#	#			02-175	
DPIC	D PRESS INDICAT. CONTROLLER	I	INSTRU	PCI	#						B		#			02-155	
DPIR	D PRESS INDICIAT RECORDER	I	INSTRU	PRI	#						B	#	#			02-205	
DPIS	D PRESS INDICATING SWITCH	I	INSTRU	PSI	#	#	#	#	#	#	B		#			02-325	
DPIT	D PRESS INDICAT TRANSMITTER	I	INSTRU	PTS	#						B		#			02-230	
DPR	D PRESS RECORDER	I	INSTRU	PRD	#						B	#	#			02-205	
DPRC	D PRESS RECORDING CONTROLLER	I	INSTRU	PCR	#						B		#			02-205	
DPS	D PRESS SWITCH	I	INSTRU	PSD	#	#	#	#	#	#	B		#			02-325	
DPT	D PRESS TRANSMITTER	I	INSTRU	PTD	#						B		#			02-230	
DRVE	DRIVE	M	CRDRVE	ABNNN	#	#	#	#	#	#	B	#				02-065	
DS	DENSITY SWITCH	I	INSTRU	XS#	#	#	#	#	#	#	B		#			02-325	
DT	DENSITY TRANSMITTER										B		#			02-230	
DT	DRIVE TURBINE										B		#			02-125	
DTIS	D TEMP INDICATING SWITCH	I	INSTRU	TSI	#	#	#	#	#	#	B		#			02-325	
DTRS	D TEMP RECORDING SWITCH	I	INSTRU	TRS	#						B		#			02-205	
DTT	D TEMP TRANSMITTER	I	INSTRU	TTD	#						B		#			02-230	
DU	DEAERATOR	M	HTEXCH	###	#	#		PSIG		MBH	C	#		#		02-055	
DV	DUMP VALVE	M	VALVEX			IN		PSIG		DEGF	C	#				02-130	
DVSP	DRAIN VALVE SPV	E	VALVEX	XEX		IN		PSIG		DEGF	B				#	02-	
DY	DRYER	M	AIRDRY	###	#	PSIG		SCFM		DEGF	C	#				02-982	
E/H	ELECTROHYDRAULIC CONVERTER	I	INSTRU	EX#	#						B		#			02-165	
E/P	ELECTROPNUEMATIC CONVERTER	I	INSTRU	EY	#						B		#			02-165	
E/S	ELECTRONIC POWER SUPPLY	I	INSTRU	XP XX	#						B		#			02-195	
EAMP	VOLTAGE AMPLIFIER OR PREAMPL	I	INSTRU	EYY	F											02-177	
ED	EDUCTOR	M	PUMPXX	K #	#	FTHO		GPM	#	#	C	#		#	#	02-081	OT
EFCX	EXCESS FLOW CHECK VALVE	M	VALVEX	CXX	B	IN		PSIG		DEGF	B	#			#	02-130	
EHC	ELECTRIC HEATING COIL	E	HEATER	XHHHH	#	#	#	#	#	#	C		#			02-290	

COMP CODE	COMPONENT IDENTIFICATION	C R	NPRD COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	C L	IE EE	C/ GR	P S	P M	SPARE PART NO	SAF CLS
EHO	ELECTROHYDRAULIC OPERATOR	M	VALVOP	C ##		LB		FTLB	#	#	B		#			02-304	
EI	VOLTMETER(SEE V FOR B&R USE)	E	INSTRU	EI#CB#												02-295	
EJ	EXPANSION JOINT	M	PIPEXX	X X		IN		PSIG	#	#	C	#		#	#	02-080	
EJC	EJECTOR,INJECTOR OR EDUCTOR	M	PUMPXX	K # #		FTHO		GPM	#	#	C	#		#		02-081	
ELEV	ELEVATOR	E	MECFUN	XXX ##		FTLB		RPM		RPM	C	#	#			02-106	
ELF	EMER LIGHT FIXTURE,*CL.1E*	E	ELECON	XABXXX		VAC		#		#						02-	
ELP	EMERGENCY LIGHTING PANEL	E	CKTBKR	X DAB#		VAC		DEGF		AMP	B		#			02-305	
EMSQ	MEAN SQUARE VOLTAGE DEVICE	I	INSTRU	EYYAF												02-177	
ENG	ENGINE	M	ENGINE	## #		HP		CYL		RPM	B		#			02-060	
EPP	EMERGENCY POWER PANEL	E	CKTBKR	X DAB#		VAC		DEGF		AMP	B		#			02-305	
EQ	SPECIALITY EQUIP AND TOOLS										C	#	#			02-035	
ES	EXHAUST SILENCER	M	PIPEXX	X #		IN		PSIG	#	#	D	#	#	#	#	02-080	OT
ESH	ELECTRIC STRIP HEATER	E	HEATER	X#### #	#	#	#	#	#	#	C		#			02-290	
ETD	TRANSDUCER,VOLTAGE	I	INSTRU	EY# #							B		#			02-	
EUH	ELECTRIC UNIT HEATER	E	HEATER	X### #	#	#	#	#	#	#	C		#			02-290	OT
EV	EVAPORATOR	M	HTEXCH	E #		KSFT		PSIG		MBH	C	#		#	#	02-055	
EX	EXHAUSTER	M	BLOWER	C A ##		SCFM		PSIG		HP	D	#				02-280	
EXC	EXCITER	E	GENERA	X		RPM				KW	B		#			02-285	
F	FIPING FILTER	M	FILTER	##				PSID		MICR	C	#	#	#		02-	
FA	FLAME ARRESTCR	M	PIPEXX	X #		IN		PSIG	#	#	D	#		#	#	02-080	OT
FC	FAN COIL												#			02-024	
FC	FLCW CONTROLLER												#			02-155	
FCN	FILL CONNECTICN	M	PIPEXX	X #		IN	#	#	#	#	D	#		#	#	02-080	OT
FCV	FLOW CONTROL VALVE	M	VALVEX	F G		IN		PSIG		DEGF	C	#				02-133	
FE	FLCW ELEMENT	I	INSTRU	FE#A #	#	#	#	#	#	#	B	#		#	#	02-170	
FG	FLCW GLASS	I	INSTRU	FI#CC#	#	#	#	#	#	#	B	#		#	#	02-175	OT
FGEN	FUNCTICN GENERATOR	I	INSTRU													02-177	
FH	FUME HOOD	M	BLOWER	D ##		SCFM		PSIG		HP	D	#				02-024	OT
FI	FLOW INDICATOR	I	INSTRU	FI# #	#	#	#	#	#	#	B	#	#			02-175	
FIC	FLCW INDICATING CONTROLLER	I	INSTRU	FCI #							B		#			02-155	
FIS	FLCW INDICATING SWITCH	I	INSTRU	FSI #	#	#	#	#	#	#	B		#			02-325	
FIT	FLOW INDICATING TRANSMITTER	I	INSTRU	FTI #							B		#			02-230	
FL	FILTER	M	FILTER	##		SCFM		PSID		MICR	C	#		#		02-040	
FLT	FILTER	M	FILTER	##		GPM		PSID		MICR	C	#		#		02-040	
FLX	FLEXIBLE CONNECTION	M	PIPEXX	X #		IN		PSIG	#	#	C	#		#		02-080	
FN	FAN	M	BLOWER	C A ##		SCFM		PSIG		HP	D	#				02-280	
FO	FREON ACTUATED OPERATOR	M	VALVOP	D ##							B	#				02-304	
FQ	FLCW INTEGRATCR	I	INSTRU	FQH #							B		#			02-180	
FQI	FLOW INTEGRATING INDICATOR	I	INSTRU	FQQ #							B		#			02-180	
FQS	FLOW INTEGRATING SWITCH	I	INSTRU	FSQ #							B		#			02-325	
FR	FLCW RECORDER	I	INSTRU	FR#					#	#	B	#	#			02-205	
FRC	FLOW RECORDING CONTROLLER	I	INSTRU	FCR #							B		#			02-205	
FRCS	FLCW RECORDING CCNTRL SWITCH	I	INSTRU	FCR #							B		#			02-205	
FRS	FLOW RECORDING SWITCH	I	INSTRU	FSR #							B		#			02-205	
FS	FLCW SWITCH	I	INSTRU	FS# #	#	#	#	#	#	#	B					02-325	
FSPV	FLOW CONTRCL VLV-SPV.	E	VALVEX	XEX		IN		PSIG		DEGF	B				#	02-	
FT	FLOW TRANSMITTER	I	INSTRU	FT#					#	#	B		#			02-230	
FTD	TRANSDUCER,FREQUENCY	I	INSTRU	SY# #							B		#			02-	
FU	FILTER UNIT	M	FILTER	##				PSID		MICR	C	#	#	#		02-	
FUB	FUSEBLCCK HOLDER*CL.1E CNLY*	E	CKTBKR	A ##		#		DEGF		AMP						02-	
FUSE	FUSE,*CL.1E ONLY*	E	CKTBKR	AXEX #		#		DEGF		AMP						02-	
FX	FLCW TEST POINT	I	INSTRU	FX## #	#	#	#	#	#	#	C	#		#	#	02-080	OT
GEN	GENERATOR	E	GENERA	D A		RPM		VAC		KW	B		#			02-285	

COMP CODE	COMPONENT IDENTIFICATION	C R	NPRD COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	C L	IE EE	C/ GR	P S	P H	SPARE PART NO	SAF CLS
GVT	GRAVITY VENTILATOR	M	BLOWER	DXD ##		SCFM	#	#	#	#	D	#	#			02-024	OT
H	HEATER	E	HEATER	X#####	#	#	#	#	#	#	C		#			02-290	
HAS	HIGH AMPLITUDE SELECTOR	I	INSTRU	UY# #	#	#	#	#	#	#	B		#			02-325	
HC	HEATING COIL	M	HEATER	####	#	#	#	#	#	#	C		#			02-290	
HCU	HYDRAULIC CONTROL UNIT	M	CRDRVE	X####	#	#	#	#	#	#	B					02-065	
HF	HIGH EFFICIENCY FILTER	M	FILTER	A ##		SCFM		PSID		MICR	B	#	#	#		02-040	
HGR	HANGER,SNUBBER,STRUT & SUPPT	M	SUPORT	#		KIPS	#	#	#	#		#		#		02-	
HO	HYDRALLIC OPERATOR	M	VALVOP	C ##		LB		FTLB	#	#	B	#	#			02-304	
HOI	HOIST	M	MECFUN	C# ##		FTLB		RPM		RPM	C	#				02-106	
HP	HYDRAULIC POWER UNIT	M	MECFUN	DXD ##		FTLB		RPM		RPM	B	#				02-065	
HR	HYDROGEN RECOMBINER	M	RECOMB	####		BTUH		SCFM		DEGF	B	#		#		02-054	
HS	HOSE STATION	M	PIPEXX	X A# #		IN		PSIG	#	#	D	#		#		02-045	OT
HT	HYDRANT	M	VALVEX	FAD		IN					D	#		#		02-045	OT
HTP	HOT WATER HEAT EXCHANGER	M	HTEXCH	#####	#	#	#	#	#	#	C	#	#		#	02-055	OT
HU	HUMIDIFIER	M	HTEXCH	E #		KSFT		PSIG		MBH	C	#				02-024	OT
HV	HEATING AND VENTILATION UNIT	M	HTEXCH	GH #		KSFT	#	#		MBH	D	#	#			02-024	
HX	HEAT EXCHANGER	M	HTEXCH	G #		KSFT		PSIG		MBH	C	#		#	#	02-055	
HZM	FREQUENCY METER	E	INSTRU	SI#CC		HZ		HZ		HZ						02-	
H2R	HYDROGEN RECORDER	I	INSTRU	AR# #							B	#	#			02-205	
I/P	CURRENT/PNEUMATIC CONVERTER	I	INSTRU	IY#DC#							B		#			02-165	
IL	INDICATOR LIGHT,*CL.1E ONLY*	I	INSTRU	ZI#CX		MV		MV		#						02-	
IN	INVERTER	E	GENERA	FDA#FD	#	#		VAC		KW	B		#			02-185	
IR	INSTRUMENT RACK	E	MECFUN	XAX#		#		#		#						02-	
ITO	TRANSDUCER,CURRENT	I	INSTRU	IY# #							B		#			02-	
JI	WATTMETER(SEE W FOR B&R USE)	E	INSTRU	II#CB#				WATT		WATT			#			02-295	
JP	JET PUMP	M	PUMPXX	K # #		FTHO		GPM	#	#	B	#		#	#	02-026	
LA	LIGHTNING ARRESTOR										B	#	#			02-	
LAG	ELECTRONIC TIME DELAY	I	INSTRU	UY# ##	#	#	#	#	#	#	B		#			02-325	
LAS	LOW AMPLITUDE SELECTOR	I	INSTRU	UY# ##	#	#	#	#	#	#	B		#			02-325	
LC	LEVEL CONTROLLER	I	INSTRU	LC# #							B		#			02-155	
LCV	LEVEL CONTROL VALVE	M	VALVEX	F X		IN		PSIG		DEGF	C	#				02-133	
LE	LEVEL ELEMENT	I	INSTRU	LE# #	#	#	#	#	#	#	B		#		#	02-170	
LG	LEVEL GLASS	I	INSTRU	LI#CC#	#	#	#	#	#	#	B	#			#	02-175	OT
LI	LEVEL INDICATOR	I	INSTRU	LI# #	#	#	#	#	#	#	B	#	#			02-175	
LIC	LEVEL INDICATING CONTROLLER	I	INSTRU	LCI #							B		#			02-155	
LIS	LEVEL INDICATING SWITCH	I	INSTRU	LSI# #		#	#	#	#	#	B		#			02-325	
LITS	LEVEL INDIC TRANS SWITCH	I	INSTRU	LTS #							B		#			02-230	
LMS	LIMIT SWITCH	E	INSTRU	ZS# #	#	#	#	#	#	#	B		#			02-325	
LMS	LOCAL MANUAL SWITCH	E	INSTRU	ZS# #	#	#	#	#	#	#	B		#			02-325	
LMTR	VOLTAGE/CURRENT SIGNAL LIMIT	I	INSTRU	VC FE							B		#			02-155	
LOC	LUBE OIL CONDITIONER	M	FILTER	C ##		GPM		PSID		MICR	B	#	#	#		02-075	OT
LP	LIGHTING PANEL	E	CKTBKR	X DAB#	20E	VAC		DEGF		AMP	B		#			02-305	
LPW	ELECTRONIC POWER SUPPLY(E/S)	I	INSTRU	XP XX#							B		#			02-195	
LR	LEVEL RECORDER										B	#	#			02-205	
LRS	LEVEL RECORDING SWITCH	I	INSTRU	LRS #							B		#			02-205	
LS	LEVEL SWITCH	I	INSTRU	LS# #	#	#	#	#	#	#	B		#			02-325	
LSPV	LEVEL CONTROL VLV-SPV	E	VALVEX	XEX		IN		PSIG		DEGF	B				#	02-	
LT	LEVEL TRANSMITTER	I	INSTRU	LT# #							B		#			02-230	
LTD	TRANSDUCER LEVEL	I	INSTRU	LTE #							B		#			02-	
LVS	LOW VOLUME SELECTOR	I	INSTRU	UY# ##	#	#	#	#	#	#	B		#			02-325	
LX	LEVEL TEST POINT	I	INSRTU	LE#BX#	#	#	#	#	#	#		#		#	#	02-080	OT
M	MOTOR	E	MOTORX	## #	#	#				RPM	C					02-300	
M/A	MANUAL OR AUTO STATION	I	INSTRU	UC# #							B		#			02-155	

A.17

COMP CODE	COMPONENT IDENTIFICATION	C R	NPRD COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	C L	IE EE	C/ GR	P S	P M	SPARE PART NO	SAF CLS
MC	MOISTURE CONTROLLER			X							B		#			02-155	
MC	MOTOR CONTROL CENTER			X							B		#			02-305	
ME	MOISTURE ELEMENT	I	INSTRU	HE# ##	#	#	#	#	#	#	B	#	#			02-170	
MI	MOISTURE INDICATOR	I	INSTRU	HI# #	#	#	#	#	#	#	B	#	#			02-175	
MIC	MOISTURE INDIC CONTROLLER	I	INSTRU	HCI #							B	#	#			02-155	
MIS	MOISTURE INDICATING SWITCH	I	INSTRU	HSI #	#	#	#	#	#	#	B	#	#			02-325	
MO	MOTOR OPERATOR	E	VALVOP	##		LB		FTLB	#	#	C		#			02-302	
MR	MOISTURE RECORDER	I	INSTRU	HR# #							B	#	#			02-205	
MS	MOISTURE SEPARATOR	M	HTEXCH			KSFT		PSIG		MBH	C	#		#		02-055	
MT	MOISTURE TRANSMITTER	I	INSTRU	HT# #							B	#	#			02-230	
MV/I	M/VOLT TO CURRENT CONVERTER	I	INSTRU	EY#DD#							B		#			02-165	
MV/P	MILLIVOLT TO PNEUMATIC CONVE	I	INSTRU	EY# #							B		#			02-165	
MX	MIXER	M	MECFUN	# ##		FTLB		RPM		RPM	C	#	#			02-121	OT
MZ	MULTIZONE AIR CONDITIONER	M	HTEXCH	GH #		KSFT	#	#		MBH	C	#	#		#	02-015	
N	NOZZLE	M	PIPEXX	E #		IN		PSIG	#	#	C	#		#		02-080	OT
NR	NEUTRAL GROUNDING RESISTOR	E	ELECON	X		VAC			#	#	B		#			02-345	
OSC	OSCILLOGRAPH	E	INSTRU	ER#												02-315	
O2R	OXYGEN RECORDER	I	INSTRU	AR# #	#	#	#	#	#	#	B	#	#			02-205	
P	PUMP	M	PUMPXX	#		FTHO		GPM		RPM	C	#				02-090	
PBU	SEISMIC PLAYBACK UNIT	I	INSTRU													02-205	
PC	PRESSURE CONTROLLER	I	INSTRU	PC# #							B	#	#			02-155	
PCV	PRESSURE CONTROL VALVE	M	VALVEX	H		IN		PSIG		DEGF	C	#				02-133	
PH	PH ANALYZER	I	INSTRU	AC# #							B	#	#			02-150	
PHE	PH ELEMENT	I	INSTRU	PE# #	#	#	#	#	#	#	B	#	#			02-170	
PHIC	PH INDICATING CONTROLLER	I	INSTRU	ACI #							B	#	#			02-155	
PHIT	PH INDICATING TRANSMITTER	I	INSTRU	ATI #							B	#	#			02-230	
PHRC	PH RECORDING CONTROLLER	I	INSTRU	ACR #							B	#	#			02-205	
PHT	PH TRANSMITTER	I	INSTRU	AT# #							B	#	#			02-230	
PI	PRESSURE INDICATOR	I	INSTRU	PI# #	#	#	#	#	#	#	B	#				02-175	
PIC	PRESS INDICATING CONTROLLER	I	INSTRU	PCI #							B		#			02-155	
PIS	PRESSURE INDICATING SWITCH	I	INSTRU	PSI #	#	#	#	#	#	#	B		#			02-325	
POE	POSITION INDICATION ELEMENT	I	INSTRU	E									#			02-175	
POI	POSITION INDICATOR	I	INSTRU	ZI# #							B	#	#			02-175	
POS	POSITION SWITCH	I	INSTRU	ZS# #	#	#	#	#	#	#	B	#	#			02-325	
POT	POSITION TRANSMITTER	I	INSTRU	ZT# #							B	#	#			02-230	
POTR	POTENTIOMETER,*CL.IE ONLY*	E	ELECON	XXXXXX						#						02-	
PP	PUMP PACKAGE										B		#			02-090	
PP	POWER PANEL										B		#			02-305	
PR	PRESSURE RECORDER	I	INSTRU	PR# #	#	#	#	#	#	#	B	#	#			02-205	
PROG	PROGRAMMER	I	INSTRU	UYC #							B	#	#			02-	
PRV	PRESSURE REDUCING VALVE	M	VALVEX	F H		IN		PSIG		DEGF	C	#				02-133	
PS	PRESSURE SWITCH	I	INSTRU	PS# #	#	#	#	#	#	#	B					02-325	
PSV	SOLENOID PILOT VALVE	E	VALVEX	XEX		IN		PSIG		DEGF	B				#	02-134	
PT	POTENTIAL TRANSFORMER			#							B		#			02-345	
PT	PRESSURE TRANSMITTER			#							B		#			02-230	
PTD	PRESSURE TRANSDUCER	I	INSTRU								B				#	02-165	
PUI	PURITY INDICATOR	I	INSTRU	XI# #	#	#	#	#	#	#	B	#	#			02-175	
PUIT	PURITY INDIC TRANSMITTER	I	INSTRU	XTI #							B	#	#			02-230	
PUS	PURITY SWITCH	I	INSTRU	XS# #	#	#	#	#	#	#	B	#	#			02-325	
PV	PILOT VALVE	M	VALVEX	X		IN		PSIG		DEGF	C				#	02-130	
PWC	DEW POINT TRANSMITTER	I	INSTRU	HT# #							B	#	#			02-230	
PWS	PIPE WHIP RESTRAINT	M	SUPORT	I ##		KIPS	#	#	#	#	D	#	#	#		02-080	
PX	PRESSURE TEST POINT	I	INSTRU	PX# ##	#	#	#	#	#	#	C	#		#	#	02-080	OT

COMP CODE	COMPONENT IDENTIFICATION	C R	NPRD COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	C L	IE EE	C/ GR	P S	P M	SPARE PART NO	SAF CLS
QDC	QUICK DISCONNECT COUPLING	M	PIPEXX	X #		IN		PSIG	#	#	D	#		#	#	02-	OT
QHM	RUN TIME METER	E	INSTRU	XIMCC		#		#		HR						02-	
QSV	QUICK ACTING SOLENOID PILOT	E	VALVEX	XEX		IN		PSIG		DEGF	B					02-134	
R/I	RESISTANCE/CURRENT CONVER	I	INSTRU	YY# #							B		#			02-165	
RAM	RADIATION AMPLIFIER	I	INSTRU	RP# #							B		#			02-016	
RC	REMOTE CAPPER			#								#				02-395	
RC	RADIATION CONTROLLER			#								#				02-155	
RC	RECOMBINER			#								#				02-054	
RD	RUPTURE DISC	M	PIPEXX	# #		IN		PSIG	#	#	C	#		#	#	02-085	
RE	RADIATION ELEMENT	I	INSTRU	REM #							B		#			02-170	
REL	FLOW BALANCING RELAY	I	INSTRU	UY# #							B	#	#			02-355	
RES	RESISTOR.*CL.1E ONLY*	E	ELECON	XXXXXX						#						02- R	
RF	REFRIGERATION MACHINE	M	HTEXCH	C #		KSFT		PSIG		MBH	C	#				02-015	
RI	RADIATION INDICATOR	I	INSTRU	RI# #	#	#	#	#	#	#	B	#	#			02-175	
RIS	RADIATION INDICATING SWITCH	I	INSTRU	R #							B		#			02-325	
RLY	RELAY	E	RELAYX	#					#	#	B		#			02-355	
RMC	REMOTE MANUAL CONTROLLER	I	INSTRU	#CSEX #	#	#	#	#	#	#	B		#			02-155	
RMS	REMOTE MANUAL CONTROL SWITCH	E	CKTBRK	ECDAAA				DEGF		AMP	B		#		#	02-325	OT
RO	RESTRICTING ORIFICE	M	PIPEXX	D #		IN		PSIG	#	#	C	#			#	02-080	
ROD	ROD	M	CONROD	EFBB# #	#	#	#	#	#	#	B	#	#	#		02-026	
RPV	REACTOR PRESSURE VESSEL	M	VESSEL	A ####	#	#		PSIG		DEGF	B	#		#		02-026	
RR	RADIATION RECORDER	I	INSTRU	RR# #							B	#	#			02-205	
RS	RADIATION SWITCH	I	INSTRU	RS# #	#	#	#	#	#	#	B		#			02-325	
RSA	RESPONSE SPECTRUM ANNUNCIATO	I	INSTRU	UX AM												02-251	
RSM	RADIATION SAMPLER	I	INSTRU	REXXX #	#	#	#	#	#	#	B	#	#	#	#	02-	OT
RSR	TRIAXIAL RESPONSE SPECTRUM R	I	INSTRU	VR AM												02-205	
RSRT	RSR TRANSDUCER FOR RSA	I	INSTRU													02-205	
RST	RESIN TRAP	M	FILTER	##		GPM		PSID		MICR	C	#		#		02-100	
RT	RADIATION TRANSMITTER	I	INSTRU	RT# #							B		#			02-230	
RV	RELIEF VALVE	M	VALVEX	F B		IN		PSIG		DEGF	C	#				02-085	
RVT	ROOF VENTILATOR	M	BLOWER	D ##		SCFM		PSIG		HP	D	#				02-024	OT
S	ELECTRONIC TRIP UNIT			X #												02-187	
S	SILENCER			X #												02-080	
SC	SPEED CONTROLLER	I	INSTRU	SC# #							B		#			02-155	
SCR	SCREEN	M	FILTER	A ##				PSID		MICR	D	#	#	#		02-100	OT
SE	SPEED ELEMENT	I	INSTRU	SEX #							B		#			02-170	
SEW	SAFETY EYE WASH	M	#	######	#	#	#	#	#	#	#	#	#	#		02-	OT
SH	6.9 KV SWITCH GEAR	E	CKTBRK	FACAFE	6900	VAC	#	#	2000	AMP	B					02-330	
SI	SPEED INDICATOR	I	INSTRU	XT #	#	#	#	#	#	#	B	#	#			02-175	
SIOA	SILICON AND OXYGEN ANALYZER	I	INSTRU	AEM #	#	#	#	#	#	#	B	#	#			02-150	
SL	480VOLT SWITCH GEAR	E	CKTBRK	FACACD	480	VAC	#	#		AMP	B					02-330	
SM	4.16KV SWITCH GEAR	E	CKTBRK	FACAEE	4160	VAC	#	#		AMP	B					02-330	
SMA	TRIAXIAL ACCELERATION SENSOR	I	INSTRU	VEIAM												02-170	
SMD	SMOKE DETECTOR	I	INSTRU	XSE #	#	#	#	#	#	#	B	#	#			02-045	
SMX	STATIC MIXER	M	PIPEXX	X #		IN		PSIG	#	#	C	#		#	#	02-080	OT
SNB	SNUBBER	M	SUPORT	D ##		KIPS	#	#	#	#	C	#		#		02-080	
SP	SAMPLE POINT	M	PIPEXX	X #		IN		PSIG	#	#	C	#		#	#	02-210	OT
SPV	SOLENIOD PILOT VALVE	E	VALVEX	XEX		IN		PSIG		DEGF	B				#	02-134	
SQRT	SQUARE ROOT EXTRACTOR	I	INSTRU	UY# #							B		#			02-165	
SR	SAMPLE RACK	E	#	######	#	#	#	#	#	#	B	#	#	#	#	02-#	#
SS	SELECTOR SWITCH	M	CKTBKR	FABA				DEGF		AMP						02-325	
SS	SPEED SWITCH	M	CKTBKR	FABA				DEGF		AMP						02-	
ST	STRAINER	I	INSTRU	VEIAM												02-100	

COMP CODE	COMPONENT IDENTIFICATION	C R	MPRO COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	C L	IE EE	C/ GR	P S	P M	SPARE PART NO	SAF CLS
ST	SEISMIC TRIGGER	I	INSTRU	VEIAM												02-325	
SUH	STEAM UNIT HEATER	M	HTEXCH	AH #		KSFT		PSIG		MBH	C	#			#	02-024	OT
SUM	SUMMER	I	INSTRU	UON #							B		#			02-215	
SUMP	SUMP	M	ACCUMU	BX-###	D	PSIG		DEGF	#	#	D	#	#	#	#	02-120	OT
SV	SOLENOID OPERATED VALVE	E	VALVEX	XE		IN		PSIG		DEGF	B				#	02-	
T	TRAP	M	VALVEX	XFP		IN		PSIG		DEGF	C	#		#		02-110	
T/SS	(TEMP) SELECTOR SWITCH	E	CKTBKR	E DA A				DEGF		AMP	B		#			02-325	
TA	TRIP AUXILIARY UNIT	I	INSTRU													02-177	
TAPE	MAGNETIC TAPE UNIT	I	INSTRU	#R#GX#	#	ZZZ	#	ZZZ	#	ZZZ						02-035	
TBE	TURBIDITY ELEMENT	I	INSTRU	XEH #	#	#	#	#	#	#	B	#				02-170	
TBIT	TURBIDITY INDICATING TRANS	I	INSTRU	KTI #							B		#			02-	
TBR	TURBIDITY RECORDER	I	INSTRU	KR# #							B	#	#			02-205	
TBS	TURBIDITY SWITCH	I	INSTRU	XS# #							B	#	#			02-325	
TBT	TURBIDITY TRANSMITTER	I	INSTRU	XT# #							B					02-230	
TC	TEMPERATURE CONTROLLER	I	INSTRU	CH #							B	#	#			02-155	
TCV	TEMPERATURE CONTROL VALVE	M	VALVEX	#		IN		PSIG		DEGF	C	#				02-133	
TD	TIME DELAY RELAY												#			02-355	
TD	TRANSFER DOLLY												#			02-395	
TDS	TIME DELAY SWITCH	I	INSTRU	XSK #	#	#	#	#	#	#	B		#			02-325	
TE	TEMPERATURE ELEMENT	I	INSTRU	TE# #	#	#	#	#	#	#	B					02-170	
TI	TEMPERATURE INDICATOR	I	INSTRU	TI# #	#	#	#	#	#	#	B	#	#			02-175	
TIC	TEMP INDICATING CONTROLLER	I	INSTRU	TCI #							B		#			02-155	
TIS	TEMP INDICATING SWITCH	I	INSTRU	SI #	#	#	#	#	#	#	B	#	#			02-325	
TK	TANK	M	ACCUMU	#####		PSIG		DEGF	#	#	C	#		#	#	02-120	
TM	TIMER	I	INSTRU	XSC #	#	#	#	#	#	#	B		#			02-225	
TQ	TIME TOTALIZER	I	INSTRU	XQ# #							B		#			02-130	
TQR	TORQUE RECORDER	I	INSTRU	XRQ #							B	#	#			02-205	
TQS	TORQUE SWITCH	I	INSTRU	XSQ #							B		#			02-325	
TQT	TORQUE TRANSMITTER	I	INSTRU	XTQ #							B	#	#			02-230	
TR	TRANSFORMER															02-345	
TR	TEMPERATURE RECORDER															02-205	
TR	TRIAXIAL RECORDER															02-205	
TRB	TERMINAL BLOCK/STRIP*CL.1E*	E	ELECON	AAXXXX												02-	
TRL	TRANSLATOR	I	INSTRU	EY#EE# #	#	ZZZ	00001	VDC	00001	VDC						02-035	
TRS	TEMPERATURE RECORDING SWITCH	I	INSTRU	TSR #							B		#			02-205	
TS	TEMPERATURE SWITCH	I	INSTRU	SH #	#	#	#	#	#	#	B		#			02-325	
TSC	TEMPERATURE SCANNER	I	INSTRU	TT###							B	#	#			02-150	
TT	TEMPERATURE TRANSMITTER	I	INSTRU	TT #							B		#			02-230	
TV	TEST VALVE	I	VALVEX	F		IN		PSIG		DEGF	C	#		#		02-130	
TX	THERMOWELL	I	PIPEXX	F A		IN		PSIG	#	#	C	#		#	#	02-	OT
TY	RELAY,PNEUMATIC CONTROL	I	INSTRU	PC#AA#								#	#			02-	
UFM	UNIPLEX FIELD MODULE	I	INSTRU	UYYCK	#	#	#	#	#	#						02-	
V	VALVE	M	VALVEX			IN		PSIG		DEGF	C	#			#	02-130	
V	USE EI FOR MEL(B&R USE ONLY)	M	VALVEX			IN		PSIG		DEGF	C	#			#	02-130	
VARM	VAR METER	E	INSTRU	EI#CB#									#			02-295	
VATD	TRANSDUCER,VAR	E	INSTRU	YH							B		#			02-	
VB	VACUUM BREAKER	M	VALVEX			IN		PSIG			C					02-085	
VBAM	VIBRATION AMPLIFIER	I	INSTRU	VPH #	#	#	#	#	#	#	B		#			02-	
VBE	VIBRATION ELEMENT	I	INSTRU	VEH #							B		#			02-170	
VBEC	VIBRATION/ECCENTRICITY INDIC	I	INSTRU	VE# #	#	#	#	#	#	#	B		#			02-325	
VBIS	VIBRATION INDICATING SWITCH	I	INSTRU	VSI #	#	#	#	#	#	#	B	#	#			02-325	
VBS	VIBRATION SWITCH	I	INSTRU	VSH #	#	#	#	#	#	#	B	#	#			02-325	
VD	VIEWING DEVICE	M	PIPEXX	A #		IN		PSIG	#	#	C	#	#	#	#	02-395	OT

COMP CODE	COMPONENT IDENTIFICATION	C R	NPRD COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	C L	IE EE	C/ GR	P S	P M	SPARE PART NO	SAF CLS
VX	INSTRUMENT ISOLATION VALVE	M	VALVEX	FAD B		IN		PSIG		DEGF	C	#		#	#	02-	
VZ	VAPORIZER	M	HTEXCH	E #		KSFT		PSIG		MBH	C	#		#	#	02-055	
W	USE JI FOR MEL(B&R USE ONLY)															02-	
WDR	WIND DIRECTION RECORDER	I	INSTRU	ZR#GA	00005	VDC	#	ZZZ	00005	VDC						02-035	
WDT	WIND DIRECTION TRANSMITTER	I	INSTRU	ZETEH#	00540	DEG	00001	VDC	00001	VDC						02-035	
WHM	WATT-HOUR METER	E	INSTRU	IQICB#									#			02-295	
WSR	WIND SPEED RECORDER	I	INSTRU	SR#GA#	00005	VDC	#	ZZZ	00005	VDC						02-035	
WST	WIND SPEED TRANSMITTER	I	INSTRU	SETAI#	00090	MPH	00001	VDC	00001	VDC						02-035	
WTD	WATT TRANSDUCER	E	INSTRU	Y#							B		#			02-	
WUH	WATER UNIT HEATER	M	HTEXCH	A #		KSFT		PSIG		MBH	C	#			#	02-055	
X	PRIMARY CONTAINMENT PENETRAT	M	PENETR	####										#		02-115	
XE	ELEMENT, SPECIAL TYPES	I	INSTRU	E									#			02-170	
XR	RECORDER,SPECIAL TYPES	I	INSTRU										#			02-	
XT	TRANSMITTER, SPECIAL TYPES	I	INSTRU										#			02-230	
33C	VLV TRVL POS SW CLOSED	E	INSTRU	ZS# #	#	#	#	#	#	#	B		#			02-	
33IC	VLV TRVL POS SW INTER CLOSED	E	INSTRU	ZS# #	#	#	#	#	#	#	B		#			02-	
33IO	VLV TRVL POS SW INTER OPEN	E	INSTRU	ZS# #	#	#	#	#	#	#	B		#			02-	
33O	VLV TRVL POS SW OPEN	E	INSTRU	ZS# #	#	#	#	#	#	#	B		#			02-	
33TC	VLV TRVL POS SW TORQ CLOSED	E	INSTRU	QS# #	#	#	#	#	#	#	B		#			02-	
33TO	VLV TRVL POS SW TORQ OPEN	E	INSTRU	QS# #	#	#	#	#	#	#	B		#			02-	
42	ELECTRICAL MOTOR START COIL	E	CKTBRK	D				DEGF		AMP	B		#			02-	

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS / S E / DETAIL	QID	ZONE	ROOM	***SEISMIC (S) PARAMETERS*** TM / HL / TEST / ANL / FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / DBE / C / COMPOSITE EPN	HOURS
CAC-CNTR-1A			I202	A102D202			R M	045002						4320
CONTACTOR FOR CAC-EHC-1A					R	572 M.7/6.6			R73				CAC-EHC-1A+	
71	2	A	1 0	D	71-00-0104		E11							
CAC-CNTR-1B			I202	A102D202			A M	045002		Y 21 00		09		4320
CONTACTOR FOR CAC-EHC-1B					R	572 R.7/7.4			R73				CAC-EHC-1B+	
71	2	A	1 0	D	71-00-0104		D11							
CAC-E/S-1A24			B040	9T66Y987			A	105002						4320
24VDC POWER SUPPLY					R	572 M.6/6.5			R73				E-CP-CAC/HR1A+	
71	3	A	1 0	D	71-00-0104									
CAC-E/S-1A43			B080	298			A							4320
43VDC POWER SUPPLY					R	572 M.6/6.5			R73				E-CP-CAC/HR1A+	
71	3	A	1 0	D	71-00-0104									
CAC-E/S-1B24			B040	9T66Y987			A	105002						4320
24VDC POWER SUPPLY					R	572 M.5/8.0			R73					
71	3	A	1 0	D	71-00-0104									
CAC-E/S-1B43			B080	298			A							4320
43VDC POWER SUPPLY					R	572 M.7/7.2			R73					
71	3	A	1 0	D	71-00-0104									
CAC-EHC-1A			C332	SA213-T347 S.S.			A A	109007		Y 21 00		09		4320
37 KW PREHEATER					R	580 M7/6.6			R73	R604			CAC-HR-1A+	
71	2	A	1 0	D	M554		E14							
CAC-EHC-1B			C332	SA213-T347 S.S.			A A	109007		Y 21 00		09		4320
37 KW PREHEATER					R	580 M7/7.4			R73	R604			CAC-HR-1B+	
71	2	A	1 0	D	M554		E2							
CAC-EHO-FCV/1A			I206	NH91			A T	110004	P	Y 21 00		09		4320
ELECTRO-HYD OPER FOR CAC-FCV-1A					R	575 L.9/5.0			R73	R611			CAC-FCV-1A	
42A	2	A	1 0	D	M554		J10							
CAC-EHO-FCV/1B			I206	NH91J4002F2L18			A T	110004	P	Y 21 00		09		4320
ELECTRO-HYD OPER FOR CAC-FCV-1B					R	570 J.8/6.5			R61	R509			CAC-FCV-1B	
42A	2	A	1 0	D	M554		H6							
CAC-EHO-FCV/2A			I206	NH91J4002F221B			A T	110004	P	Y 21 00		09		4320
ELECTRO-HYD OPER FOR CAC-FCV-2A					R	558 M.2/7.1			R63	R504			CAC-FCV-2A	
42A	2	A	1 0	D	M554		G11							
CAC-EHO-FCV/2B			I206	NH91J4002F211B			A T	110004	P	Y 21 00		09		4320
ELECTRO-HYD OPER FOR CAC-FCV-2B					R	563 6.5/M.5			R66				CAC-FCV-2B	
42A	2	A	1 0	D	M554		G6							
CAC-EHO-FCV/3A			I206	NH91			A T	110004	P	Y 21 00		09		4320
ELECTRO-HYD OPER FOR CAC-FCV-3A					R	493 M.8/9.4			R33	R206			CAC-FCV-3A	
42A	2	A	1 0	D	M554		D11							

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL	BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TB / HL / ROOM	TEST / ANL / ACCURACY	EQ / C	FREQ	*ENV. (E) PARAMETERS* AGING / DBE / COMPOSITE EPN	C	HOURS
CAC-EHO-FCV/3B			I206		NH41J4002F2118		A T	110004	P	Y	21	00	09		4320
ELECTRO-HYD OPER FOR CAC-FCV-3B						R 494 J.0/7.4		R31						CAC-ECV-3B	
42A	2	A	1 0	D	M554		C6								
CAC-EHO-FCV/4A			I206		NH91J4002F2L18		A T	110004	P	Y	21	00	09		4320
ELECTRO-HYD OPER FOR CAC-FCV-4A						R 495 8.2/M.6		R33	R214					CAC-FCV-4A	
42A	2	A	1 0	D	M554		E11								
CAC-EHO-FCV/4B			I206		NH91J4002F2L18		A T	110004	P	Y	21	00	09		4320
ELECTRO-HYD OPER FOR CAC-FCV-4B						R 493 N.4/6.0		R33	R206					CAC-FCV-4B	
42A	2	A	1 0	D	M554		E6								
CAC-EHO-FCV/5A			I206		NH91H4070F3L16		A T	110004	P	Y	21	00	09		4320
EHO FOR CAC-FCV-5A						R 572 M.6/6.5		R73							
71	2	A	1 0	D	M554		F14								
CAC-EHO-FCV/5B			I206		NH91H4070F3L16		A T	110004	P	Y	21	00	09		4320
EHO FOR CAC-FCV-5B						R 573 M.5/7.5		R73							
71	2	A	1 0	D	M554		F2								
CAC-EHO-FCV/6A			I206		NH92		A T	110001	P	Y	21	00	09		4320
EHO FOR CAC-FCV-6A						R 572 M.6/6.5		R73							
71	2	A	1 0	D	M554		G12								
CAC-EHO-FCV/6B			I206		NH91H4070F3216		A T	110004	P	Y	21	00	09		4320
EHO FOR CAC-FCV-6B						R 573 M.5/7.5		R73							
71	2	A	1 0	D	M554		G4								
CAC-EHO-TCV/4A			I206		NH92H9970F3L29		A T	110001	P	N	21	00	33		4320
EHO FOR CAC-TCV-4A						R 573 M.5/6.6		R73							
71	2	A	1 0	D	M554		D12								
CAC-EHO-TCV/4B			I206		NH92		A T	110001	P	N	21	00	33		4320
EHO FOR CAC-TCV-4B						R 573 M.5/7.4		R73							
71	2	A	1 0	D	M554		D4								
CAC-EHO-V/1A			I206		NH95H2670F3L2		A T	110002	P	N	21	00	33		4320
EHO FOR CAC-V-1A SAUNDERS VLV						R 573 M.5/6.6		R73	R604					CAC-V-1A	
71	2	A	1 0	D	M554		F15								
CAC-EHO-V/1B			I206		NH95H2670F3L2		A T	110002	P	N	21	00	33		4320
EHO FOR CAC-V-1B SAUNDERS VLV						R 573 M.5/7.4		R63						CAC-V-1B	
71	2	A	1 0	D	M554		F2								
CAC-EHO-V/2A			I206		NH91H2070F3L2		A T	110004	P	N	21	00	33		4320
ELECTRO HYD OPERATOR FOR CAC-V-2A						R 573 M.5/6.6		R73						CAC-V-2A	
71	2	A	1 0	D	M554		F12								
CAC-EHO-V/2B			I206		NH91H2070F362		A T	110004	P	N	21	00	33		4320
EHO FOR CAC-V-2B SAUNDERS VLV						R 573 M.5/7.4		R63							
71	2	A	1 0	D	M554		F4								

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL	BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / HL / ROOM	IEST / ANL / ACCURACY	FQ C / FREQ	*ENV. (E) PARAMETERS* AGING / DBE / COMPOSITE EPN	C / HOURS
CAC-EHO-V/3A			I206		NH91H2070F362		A T	110004	P N	21	00	33	4320
EHO FOR CAC-V-3A		SAUNDERS VLV				R 573	M.5/6.6	R73	R612			CAC-V-3A	
71	2	A	1 0	D	M554		D12						
CAC-EHO-V/3B			I206		NH91H2070F362		A T	110004	P N	21	00	33	4320
EHO FOR CAC-V-3B		SAUNDERS VLV				R 573	M.5/7.4	R63				CAC-V-3B	
71	2	A	1 0	D	M554		D4						
CAC-FIC-67A			B042		50-701003AAAA1		A A	139001	F Y	21	00	09	4320
FIC FOR CAC-FCV-6A						R 576	M.3/5.8	R73	R604			E-CP-CAC/HR1A+	
71	3	A	1 0	D	M554		F12						
CAC-FIC-67B			B042		50-701003AAAA1		A A	139001	F Y	21	00	09	4320
FIC FOR CAC-FCV-6B						R 577	M.5/8.0	R73	R604			E-CP-CAC/HR1B+	
71	3	A	1 0	D	M554		F4						
CAC-FS-6A			M422		DCA/4-20MA/D-X2-X3		A A	154002	F Y	21	00	09	4320
FLOW SWITCH FOR CAC-FCV-6A						R 576	M.3/5.8	R73	R604			E-CP-CAC/HR1A+	
71	3	A	1 0	D	M554		F12						
CAC-FS-6B			M422		DCA/4-20MA/D-X2-X3		A A	154002	F Y	21	00	09	4320
FLOW SWITCH FOR CAC-FCV-6B						R 576	M.5/8.0	R73	R604			E-CP-CAC/HR1B+	
71	3	A	1 0	D	M554		F4						
CAC-FT-1A			R369		1DPSD22T0003PB		R B	156005	N	14	00	33+	4320
FT TO CAC-FIC-1A						R 551	5.7/M.8	R63				E-IR-67+	
220	3	A	1 0	D	M554		J11						
CAC-FT-1B			R369		1DPSD22T0003PB		R B	156005	N	14	00	33+	4320
FT TO CAC-FIC-1B						R 551	8.2/H.7	R61				E-IR-68+	
220	3	A	1 0	D	M554		J5						
CAC-FT-2A			R369		1DPSD22T0003PB		R B	156005	N	14	00	33+	4320
FT TO CAC-FIC-2A						R 551	5.8/M.8	R63				E-IR-67+	
220	3	A	1 0	D	M554		G11						
CAC-FT-2B			R369		1DPSD22T0003PB		R B	156005	N	14	00	33+	4320
FT TO CAC-FIC-2B						R 551	8.2/H.7	R61				E-IR-68+	
220	3	A	1 0	D	M554		G5						
CAC-FT-3A			G080		542203		R B	156005	N	14	00	33+	4320
FT TO CAC-FIC-3A						R 504	N.8/5.5	R43				E-IR-66+	
220	3	A	1 0	D	M554		D11						
CAC-FT-3B			R369		115-1DPSD22T0003PB		R B	156005	N	14	00	33+	4320
FT TO CAC-FIC-3B						R 504	L4/9.3	R43				E-IR-63+	
220	3	A	1 0	D	M554		D5						
CAC-FT-4A			R369		115-1GPSD22T0003PB		R B	156005	N	14	00	33+	4320
FT TO CAC-FIC-4A						R 504	N8/5.5	R43				E-IR-66+	
220	3	A	1 0	D	M554		F11						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS / S.E. / DETAIL	QID / ZONE	IM / ROOM	HL TEST / ANL FQ C / ACCURACY	EREQ	*ENV. (E) PARAMETERS* AGING / DBE / C / COMPOSITE EPN	HOURS
CAC-FT-4B					R369 / 1151-OPSD22T0003P8		R B	156005	N	14 00	33+		4320
FT TO CAC-FIC-4B						R 504	N.0/4.9	R43				E-IR-64+	
220	3	A	1 0	D	M554		F5						
CAC-FT-5A					B080 / 386		A	156004	F N	21 00	09		4320
SCRUBBER 1A SW INLET FT						R 473	M.3/6.8	R73	R604			CAC-HR-1A+	
71	3	A	2 0	G	M554		G14						
CAC-FT-5B					B080 / 386		A	156004	F N	21 00	09		4320
SCRUBBER 1B SW INLET FT						R 578	M.3/7.5	R73	R604			CAC-HR-1B+	
71	3	A	2 0	G	M554		G2						
CAC-FT-6A					I204 / 386		A A	156004	F Y	21 00	09		4320
FT TO CAC-FC-67A						R 575	M.5/6.5	R73	R604			CAC-HR-1A+	
71	3	A	1 0	D	M554		F12						
CAC-FT-6B					I204 / 386		A A	156004	F Y	21 00	09		4320
FT TO CAC-FC-67B						R 575	M.5/7.3	R73	R604			CAC-HR-1B+	
71	3	A	1 0	D	M554		F4						
CAC-FT-7A					I204 / 386		A A	156004	F Y	21 00	09		4320
FT TO CAC-FIC-67A						R 575	M.3/6.6	R73	R604			CAC-HR-1A+	
71	3	A	1 0	D	M554		F12						
CAC-FT-7B					I204 / 386		A A	156004	F Y	21 00	09		4320
FT TO CAC-FIC-67B						R 576	M.3/7.4	R73	R604			CAC-HR-1B+	
71	3	A	1 0	D	M554		F4						
CAC-LS-1A					M422 / DCA/4-20MA/D-X1-X4		A A	207009	F Y	21 00	09		4320
LEVEL IND. SWITCH IN CAC-MS-1A						R 579	M.3/5.8	R73	R604			E-CP-CAC/HR1A+	
71	3	A	1 0	D	M554		D14						
CAC-LS-1B					M422 / DCA/4-20MA/D-X1-X4		A A	207009	F Y	21 00	09		4320
LEVEL IND. SWITCH IN CAC-MS-1B						R 579	M.5/8.0	R73	R604			E-CP-CAC/HR1B+	
71	3	A	1 0	D	M554		D3						
CAC-LT-1A					I204 / 386		A A	209002	F Y	21 00	09		4320
LT FOR MS-1A						R 574	M.3/6.8	R73	R604			CAC-HR-1A+	
71	2	A	1 0	D	M554		D13						
CAC-LT-1B					I204 / 386		A A	209002	F Y	21 00	09		4320
LT FOR MS-1B						R 574	M.3/7.5	R73	R604			CAC-HR-1B+	
71	2	A	1 0	D	M554		D3						
CAC-M-FN/1A					W120 / 75D42473		A A	213048	Y	21 00	09		4320
25HP/?A MOTOR FOR CAC-FN-1A						R 572	M5/6.6	R73	R604			CAC-HR-1A+	
71	2	A	1 0	D	M554		E13						
CAC-M-FN/1B					W120 / 75D42473		A A	213048	Y	21 00	09		4320
25HP/?A MOTOR FOR CAC-FN-1B						R 572	M5/7.4	R73	R604			CAC-HR-1B+	
71	2	A	1 0	D	M554		F3						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG ELEV / DRAWING	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL ED C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CAC-MO-11					L200	SMB-000-5/D564	A	A	221001	N 14	00	35		4320
MOTOR OPERATOR CAC-V-11						R 563 6.5/H.5			R63	R511			CAC-V-11+	
41A	2	A	1 0	D		M554	G6							
CAC-MO-13					L200	SMB-000-5/D56A	A	A	221001	N 14	00	35		4320
.361HP/3.8A MOTOR OPER. CAC-V-13						R 487 H.0/6.0			R33	R206			CAC-V-13+	
41A	2	A	1 0	D		M554	E6							
CAC-MO-15					L200	SMB-000-5/D56A	A	A	221001	Y 14	00	35		4320
.361HP/5.8A MO FOR CAC-V-15						R 570 J.8/6.8			R61	R509			CAC-V-15+	
41A	2	A	1 0	D		M554	41A							
CAC-MO-17					L200	SMB-000-5/D56A	A	A	221001	N 14	00	35		4320
.361HP/3.8A MOTOR OPER. CAC-V-17						R 494 J.0/7.4			R31	R211			CAC-V-17+	
41A	2	A	1 0	D		M554	D6							
CAC-MO-2					L200	SMB-000-5/D56A	A	A	221001	N 14	00	35		4320
MOTOR OPERATOR CAC-V-2						R 558 M.2/7.1			R73	R604			CAC-V-2+	
41A	2	A	1 0	D		M554	G10							
CAC-MO-4					L200	SMB-000-5/D56A	A	A	221001	N 14	00	35		4320
.361HP/3.8A MOTOR OPER. CAC-V-4						R 495 M.2/7.8			R33	R206			CAC-V-4+	
41A	2	A	1 0	D		M554	F10							
CAC-MO-6					L200	SMB-000-5/D56A	A	A	221001	N 14	00	35		4320
MOTOR OPERATOR CAC-V-6						R 575 L.9/5.0			R73	R611			CAC-V-6+	
41A	2	A	1 0	D		M554	H10							
CAC-MO-8					L200	SMB-000-5/D56A	A	A	221001	N 14	00	35		4320
MOTOR OPERATOR CAC-V-8						R 480 M.8/4.3			R33	R206			CAC-V-8+	
41A	2	A	1 0	D		M554	D10							
CAC-PS-68A					M422	DCA/4-20MA/DX1-X4	A	A	256012 F	Y 21	00	09		4320
PS TO MOIST SEP 1A						R 576 M.3/5.8			R73	R604			CAC-PT-68A+	
71	3	A	1 0	D		M554	E13							
CAC-PS-68B					M422	DCA/4-20MA/C-X1-X4	A	A	256012 F	Y 21	00	09		4320
PS TO MOIST SEP 1B						R 577 M.5/8.0			R73	R604			CAC-PT-68B+	
71	3	A	1 0	D		M554	E3							
CAC-PT-1A					I204	386	A	A	259006 F					4320
0-30 PSIG FOR CAC-FN-1A						R 572 M.5/6.6			R73				CAC-HR-1A+	
71	2	P	2 0	G		M554	F13							
CAC-PT-1B					I204	386	A	A	259006 F					4320
0-30 PSIG FOR CAC-FN-1B						R 575 M.5/7.4			R73				CAC-HR-1B+	
71	2	P	2 0	G		M554	F3							
CAC-PT-68A					I204	386	A		259006					4320
PRESS TRANS ON CAC-HS-1A						R 572 M.5/6.6			R73				CAC-HR-1A+	
71	2	A	1 0	D		M554	D13							

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
CAC-PT-68B			I204	386		A	259006			4320
PRESS TRANS ON CAC-MS-1B					R 572	M.5/7.4	R73			CAC-HR-1B+
71	2	A	1 0	D	M554	D03				
CAC-R/I-4A			B015	50-740320CAAA1		A	271001	F		4320
CURRENT RESET ON CAC-HR-1A					R 577	M.2/5.7				CAC-HR-1A
71	3	A	1 0	D	71-00-0104	#				
CAC-R/I-4B			B015	50-740320CAAA1		B A	271001			4320
H2 RECOMBINER OUTLET TEMP					R 572	M.5/8.0	R73	R604		E-CP-CAC/HR1B+
71	3	A	1 0	D	71-00-0104	E4				
CAC-RLY-1A			A500	RK225-052-CP		R T	283011			4320
CONTROL RELAY FOR CAC-FCV-1A					R 475	N.1/9.3	R33	R206		CAC-PP-TB/R364+
218	3	A	1 0	D	E519/15	D11				
CAC-RLY-1B			A500	RK225-052-CP		R T	283011			4320
CONTROL RELAY FOR CAC-FCV-1B					R 475	N.0/8.3	R33	R206		CAC-PP-TB/R363+
218	3	A	1 0	D	E519/15	H2				
CAC-RLY-2A			A500	RK225-052-CP		R T	283011			4320
CONTROL RELAY FOR CAC-FCV-2A					R 475	N.1/9.3	R33	R206		CAC-PP-TB/R364+
218	3	A	1 0	D	E519/15	H4				
CAC-RLY-2B			A500	RK225-052-CP		R T	283011			4320
CONTROL RELAY FOR CAC-FCV-2B					R 475	N.0/8.3	R43	R305		CAC-PP-TB/R363+
218	3	A	1 0	D	E519/15	H4				
CAC-RLY-3A			A500	RK225-052-CP		R T	283011			4320
CONTROL RELAY FOR CAC-FCV-3A					R 475	N.1/9.3	R33	R206		CAC-PP-TB/R364+
218	3	A	1 0	D	E519/15	H4				
CAC-RLY-3B			A500	RK225-052-CP		R T	283011			4320
CONTROL RELAY FOR CAC-FCV-3B					R 475	N.0/8.3	R33	R206		CAC-PP-TB/363+
218	3	A	1 0	D	E519/15	H4				
CAC-RLY-4A			A500	RK225-052-CP		R T	283011			4320
CONTROL RELAY FOR CAC-FCV-4A					R 475	N.1/9.3	R33	R206		CAC-PP-TB/R364+
218	3	A	1 0	D	E519/15	H4				
CAC-RLY-4A/1234			A500	RK225-052CP		A T	283011	Y 21 00	09	4320
INTLK CAC-V-4,6,FCV-1A,4A CACHR-1A					R 475	N.1/9.3	R73	R604		E-CP-CAC/HR1A+
71	3	A	1 0	D	E519					
CAC-RLY-4B			A500	RK225-052-CP		R T	283011			4320
CONTROL RELAY FOR CAC-FCV-4B					R 475	N.0/8.3	R33	R206		CAC-PP-TB/363+
218	3	A	1 0	D	E545/12					
CAC-RLY-4B/1234			A500	RK225-052CP		A T	283011	Y 21 00	09	4320
INTLK V-13,15,FCV-1B,4B CAC-HR-1B					R 475	N.0/8.3	R73	R604		E-CP-CAC/HR1B+
71	3	A	1 0	D	E519/15					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / BLDG ELEV / A/E DRAWING	MODEL / DETAIL / A/E ZONE	STATUS S.E	QID	ZONE	***SEISMIC (S) PARAMETERS*** TM	HL	TEST	ANL	EQ	C	FREQ	ACCURACY	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS	COMPOSITE EPN
CAC-RLY-CR5A			A109				A	283013														4320
HR1 RELAY FOR CAC-V-1A					R 572 M.6/6.5													E-CP-CAC/HR1A+				
71	3	A	1 0	D	71-00-0104																	
CAC-RLY-CR5B			A109				A	283013														4320
HR2+ RELAY FOR CAC-V-1B					R 572 M.6/6.5													E-CP-CAC/HR1B+				
71	3	A	1 0	D	71-00-0104																	
CAC-RLY-CR6A			A109				A	283013														4320
HR1+RELAY FOR CAC-V-3A					R 572 M.6/6.5													E-CP-CAC/HR1A+				
71	3	A	1 0	D	71-00-0104																	
CAC-RLY-CR6B			A109				A	283013														4320
HR2+ RELAY FOR CAC-V-3B					R 572 M.4/8.0													E-CP-CAC/HR1B+				
71	3	A	1 0	D	71-00-0104																	
CAC-TDS-1A			A109	7012AH			A	338002														4320
TIME DELAY FOR INST. WARM-UP					R 574 M2/5.7													E-CP-CAC/HR1A+				
	3	A	1 0	D	71-00-0104	G12																
CAC-TDS-1B			A109	7012AH			A	338002														4320
TIME DELAY FOR INST. WARM-UP					R 574 M5/8.0													E-CP-CAC/HR1B+				
	3	A	1 0	D	71-00-0104	G4																
CAC-TE-1A			T165	80500			A A	339006	F	Y	21	00					09					4320
TEMP ELEMENT DISCH FROM CAC-EN-1A					R 577 M.5/6.6				R73	R604								CAC-HR-1A+				
71	2	A	1 0	D	M554	E13																
CAC-TE-1A1			T165	80500			A A	339018	F	Y	21	00					09					4320
INPUT TO TEMP RECORDER 1A					R 580 M.5/6.6				R73	R604								CAC-HR-1A+				
71	2	P	2 0	G	M554	E13																
CAC-TE-1A2							A A	339018	F	Y	21	00										4320
TEMPERATURE ELEMENT ON CAC-EHC-1A					R 576 M.3/6.4				R73									CAC-CR-1A+				
71	2	P	2 0	G	M554	E13																
CAC-TE-1A3							A A	339018	F	Y	21	00										4320
TEMP ELEMENT ON CAC-EHC-1A					R 576 M.3/6.4				R73									CAC-CR-1A+				
71	2	P	2 0	G	M554	D14																
CAC-TE-1A4							A A	339018	F	Y	21	00										4320
TEMP ELEMENT ON CAC-EHC-1A					R 576 M.3/6.4				R73									CAC-CR-1A+				
71	2	P	2 0	G	M554	D14																
CAC-TE-1A5							A A	339018	F	Y	21	00										4320
TEMP ELEMENT ON CAC-EHC-1A					R 576 M.3/6.4				R73									CAC-CR-1A+				
71	2	P	2 0	G	M554	D14																
CAC-TE-1A6			T165	PO-004-1371-109			A A	339018	F	Y	21	00										4320
TEMP ELEMENT ON CAC-EHC-1A					R 573 M.3/6.4				R73									CAC-CR-1A+				
71	2	P	2 0	G	M554	D14																

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	GID / ZONE	***SEISMIC (S) PARAMETERS*** IN HL TEST ANL FQ C / ROOM	EBEQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CAC-TE-1A7				P0-004-1371-109	T165	R 573 M.3/6.4	A A	339018	F Y 21 00			4320
TEMP ELEMET ON OUTLT OF CAC-EHC-1A								R73			CAC-CR-1A+	
71	2	P	2 0	G	M554	D14						
CAC-TE-1B				P/D-004-1371-109	T165	R 577 M.5/7.4	A A	339018	F Y 21 00	09		4320
TEMP ELEMENT DISCH FROM CAC-FN-1B								R73	R604		CAC-HR-1B+	
71	2	A	1 0	D	M554	E3						
CAC-TE-1B1				80500	T165	R 580 M.5/7.4	A A	339018	F Y 21 00	09		4320
INPUT TO TEMP RECORDER 1B								R73	R604		CAC-HR-1B+	
71	2	P	2 0	G	M554	E3						
CAC-TE-1B2					T165	R 576 M.3/7.2	A A	339018	F Y 21 00			4320
TEMP ELEMENT ON CAC-EHC-1B								R73			CAC-CR-1B+	
71	2	P	2 0	G	M554	E3						
CAC-TE-1B3					T165	R 576 M.3/7.2	A A	339018	F Y 21 00			4320
TEMP ELEMENT ON CAC-EHC-1B								R73			CAC-CR-1B+	
71	2	P	2 0	G	M554	D2						
CAC-TE-1B4					T165	R 576 M.3/7.2	A A	339018	F Y 21 00			4320
TEMP ELEMENT ON CAC-EHC-1B								R73			CAC-CR-1B+	
71	2	P	2 0	G	M554	D2						
CAC-TE-1B5					T165	R 576 M.3/7.2	A A	339018	F Y 21 00			4320
TEMP ELEMENT ON CAC-EHC-1B								R73			CAC-CR-1B+	
71	2	P	2 0	G	M554	D2						
CAC-TE-1B6				P0-004-137-109	T165	R 573 M.3/7.2	A A	339018	F Y 21 00			4320
TEMP ELEMENT ON CAC-EHC-1B								R73			CAC-CR-1B+	
71	2	P	2 0	G	M554	D2						
CAC-TE-1B7				P0-004-137-109	T165	R 573 M.3/7.2	A A	339018	F Y 21 00			4320
TEMP ELEMENT ON CAC-EHC-1B								R73			CAC-CR-1B+	
71	2	P	2 0	G	M554	D2						
CAC-TE-2A				80500	T765	R 582 M.5/6.6	A A	339006	F Y 21 00	09		4320
PREHEATER 1A HI TEMP ALARM								R73	R604		CAC-HR-1A+	
71	2	A	1 0	D	M554	E13						
CAC-TE-2B				80500	T165	R 582 M.5/7.4	A A	339006	F Y 21 00	09		4320
PREHEATER 1B HI TEMP ALARM								R73	R604		CAC-HR-1B+	
71	2	A	1 0	D	M554	E2						
CAC-TE-3A				80500	T165	R 577 M.5/6.6	A A	339006	F Y 21 00	09		4320
PREHEATER 1A HI TEMP ALARM								R73	R604		CAC-HR-1A+	
71	2	A	1 0	D	M554	E14						
CAC-TE-3B				80500	T165	R 577 M.5/7.4	A A	339006	F Y 21 00	09		4320
PREHEATER 1B HI TEMP ALARM								R73	R604		CAC-HR-1B+	
71	2	A	1 0	D	M554	E2						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG ELEV / DRAWING	STATUS / S F / DETAIL / A/E ZONE	QID / ZONE	TM / HL / ROOM	TEST / ANL / ED C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / DBE / C / COMPOSITE EPN	HOURS
CAC-TE-4A			T165	80500			A A	339006	F Y	21	00	09	4320
TEMP ELEMENT DISCH FROM CAC-HS-1B						R 578	M.5/6.6	R73	R604			CAC-HR-1A+	
71	2	A	1 0	D		M554	E14						
CAC-TE-4B			T165	80500			A A	339006	F Y	21	00	09	4320
TEMP ELEMENT DISCH FROM CAC-HS-1B						R 578	M.5/7.4	R73	R604			CAC-HR-4B+	
71	2	A	1 0	D		M554	E4						
CAC-TE-5A			T165	80500			A A	339006	F Y	21	00	09	4320
PREHEATER 1A HI TEMP SHUTDOWN						R 577	M.5/6.6	R73	R604			CAC-HR-1A+	
71	2	A	1 0	D		M544	D13						
CAC-TE-5B			T165	ML-61385			A A	339006	F Y	21	00	09	4320
PREHEATER 1B HI TEMP SHUTDOWN						R 577	M.5/7.4	R73	R604			CAC-HR-1B+	
71	2	A	1 0	D		M554	D2						
CAC-TE-6A			T165	80500			A A	339006	F Y	21	00	09	4320
MOISTURE SEPTR 1A HI TEMP SHUTDOWN						R 578	M.5/6.6	R73	R604			CAC-HR-1A+	
71	2	A	1 0	D		M554	E13						
CAC-TE-6B			T165	80500			A A	339006	Y	21	00	09	4320
MOISTURE SEPTR 1B HI TEMP SHUTDOWN						R 578	M.5/7.4	R73	R604			CAC-HR-1B+	
71	2	A	1 0	D		M554	E13						
CAC-TIC-4A			B045	50-701003AAAA1			A A	341001	Y	21	00	09	4320
TEMP CNTL DISCH CAC-HS-1A						R 575	M5/5.7	R73	R604			E-CP-CAC/HR1A+	
71	3	A	1 0	D		M554	E13						
CAC-TIC-4B			B015	50-701003AAAA1			A A	341001	Y	21	00	09	4320
TEMP CNTL DISCH CAC-HS-1B						R 572	M.5/8.0	R73	R604			E-CP-CAC/HR1B+	
71	3	A	1 0	D		M554	E4						
CAC-TS-1A			M422	RBA/3W-100/D-X1-X4			A A	355007	F Y	21	00	09	4320
TEMP SWITCH DISCH CAC-FN-1A						R 575	M.2/5.7	R73	R604			E-CP-CAC/HR1A+	
71	3	A	1 0	D		M554	E13						
CAC-TS-1B			M422	RBA/3W-100/D-X1-X4			A A	355007	F Y	21	00	09	4320
TEMP SWITCH DISCH CAC-FN-1B						R 575	M.5/8.0	R73	R604			E-CP-CAC/HR1B+	
71	3	A	1 0	D		M554	E3						
CAC-TS-2A			M422	RBA/3W-400/D-X1-X4			A A	355007	F Y	21	00	09	4320
0-1500F ON CAC-EHC-1A						R 575	M.3/5.8	R73	R604			E-CP-CAC/HR1A+	
71	3	A	1 0	D		M554	E13						
CAC-TS-2B			M422	RBA/3W-400/D-X1-X4			A A	355007	F Y	21	00	09	4320
0-1500F ON CAC-EHC-1B						R 575	M.5/8.0	R73	R604			E-CP-CAC/HR1B+	
71	3	A	1 0	D		M554	E2						
CAC-TS-3A			M422	RBA/3W-400/D-X1-X4			A A	355007	F Y	21	00	09	4320
0-1200F ON CAC-EHC-1A						R 575	M.3/5.8	R73	R604			E-CP-CAC/HR1A+	
71	3	A	1 0	D		M554	E13						

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG ELEV / DRAWING	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / HL / ROOM	TEST / ANL / ACCURACY	FQ C / FREQ	*ENV. (E) PARAMETERS* AGING / DBE / COMPOSITE EPN	C / HOURS
CAC-TS-3B					M422	RBA/3W-400/D-X1-X4	A A	355007	F Y	21	00	09	4320
0-1200F ON CAC-EHC-1B						R 575 M.5/8.0		R73	R604			E-CP-CAC/HR1B+	
71	3	A	1 0	D		M554	E2						
CAC-TS-5A					M422	RBA/3W-400/D-X1-X4	A A	355007	F Y	21	00	09	4320
0-1500F DISCH CAC-EHC-1A						R 575 M.3/5.8		R73	R604			E-CP-CAC/HR1A+	
71	3	A	1 0	D		M554	E13						
CAC-TS-5B					M422	RBA/3W-400/D-X1-X4	A A	355007	F Y	21	00	09	4320
E-CP-CAC/HR1B+						R 575 M.5/8.0		R73	R604			E-CP-CAC/HR1B+	
71	3	A	1 0	D		M554	D2						
CAC-TS-6A					M422	RBA/3W-100/D-X1-X4	A A	355007	F Y	21	00	09	4320
0-340F DISCH CAC-MS-1A						R 575 M.3/5.8		R73	R604			E-CP-CAC/HR1A+	
71	3	A	1 0	D		M554	E13						
CAC-TS-6B					M422	RBA/3J-100/D-X1-X4	A A	355007	F Y	21	00	09	4320
0-340F DISCH CAC-MS-1B						R 575 M.5/8.0		R73	R604			E-CP-CAC/HR1B+	
71	3	A	1 0	D		M554	E4						
CAC-TT-4A					B045	TYPE 740	A D	357001	F Y	21	00	09	4320
TEMP TRANS DISCH CAC-MS-1A						R 575 M.0/5.8		R73	R604			CAC-HR-1A+	
71	3	A	1 0	D		M554	E13						
CAC-TT-4B					B045	B045 TYPE 740	D	357001	F				4320
TEMP TRANS DISCH CAC-MS-1B						R 575 M.5/8.0		R73				CAC-HR-1B+	
71	3	A	1 0	D		M554	E4						
CAS-V-453					M095	MV250-4							4320
1" SO GLOBE ROOT CTRL WW VAC BRKRS						R 479 M.3/7.5						CAS-V-453+	
215	2	A	2 0	B1		M510	K8						
CEP-LMS-1A					N007	EA74080100	A B	200015					4320
LMS FOR CEP-V-1A						R 563 J.1/5.4						CEP-V-1A+	
68	2	A	2 3	B1,F		#	J13						
CEP-LMS-1B					N007	1703100	A B	200009					4320
LMS FOR CEP-V-1B						R 563 J.4/5.3						CEP-V-1B+	
68	2	A	2 3	B1,F		#	J13						
CEP-LMS-2A					N007	EA74080100	A B	200015					4320
LMS FOR CEP-V-2A						R 558 J.1/5.4						CEP-V-2A+	
68	2	A	2 3	B1,F		M543	J13						
CEP-LMS-2B					N007	1703100	A B	200009					4320
LMS FOR CEP-V-2B						R 559 J.4/5.3						CEP-V-2B+	
68	2	A	2 3	B1,F		M543	J13						
CEP-LMS-3A					N007	74080100	A A	200015					4320
LMS FOR CEP-V-3A						R 491 H.4/5.4						CEP-V-3A+	
68	2	A	2 3	B1,F		M543	C14						

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL EQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CEP-LMS-3B			N007	17031100			A A	200009				4320
LMS FOR CEP-V-3B					R	495 H.5/5.4					CEP-V-3B+	
68	2	A	2 3	B1,F	#		C14					
CEP-LMS-4A			N007	74080100			A A	200015				4320
LMS FOR CEP-V-4A					R	491 H.5/5.6					CEP-V-4A+	
68	2	A	2 3	B1,F	M543		C14					
CEP-LMS-4B			N007	74080100			A A	200009				4320
LMS FOR CEP-V-4B					R	495 H.5/5.4					CEP-V-4B+	
68	2	A	2 3	B1,F	M543		C14					
CEP-SPV-1A			A499	WJHT831A76			A B	315004 F	N 21 00	33+		4320
SOLENOID PILOT FOR CEP-V-1A IR-67					R	555 5.8/M.5		R63	R504		E-IR-67+	
58	2	A	2 3	B1,F	M543		K12					
CEP-SPV-1B			A499	WJHT831654			A B	315004	N 21 00	33+		4320
SOLENOID PILOT FOR CEP-V-1B IR-67					R	555 5.8/M.8		R63	R504		E-IR-67+	
58	2	A	2 3	B1,F	M543		J13					
CEP-SPV-2A			A499	WJHT8316A76			B B	315004	N 21 00	33+		4320
SOLENOID PILOT FOR CEP-V-2A IR-68					R	554 8.2/M.7		R61	R504		E-IR-68+	
58	2	A	2 3	B1,F	M543		K13					
CEP-SPV-2B			A499	WJHT831654			A B	315004	N 21 00	33+		4320
SOLENOID PILOT FOR CEP-V-2B IR-68					R	554 8.2/M.7		R61	R504		E-IR-68+	
58	2	A	2 3	B1,F	M543		J13					
CEP-SPV-3A			A499	WJHT831654			A B	315004	N 21 00	33+		4320
SOLENOID PILOT FOR CEP-V-3A- IR-62					R	471 H.4/6.8		R31	R206		E-IR-62+	
58	2	A	2 3	B1,F	M543		C15					
CEP-SPV-3B			A499	WJHT831654			A B	315004	N 21 00	33+		4320
SOLENOID PILOT FOR CEP-V-3B IR-62					R	471 H.4/6.8		R31	R206		E-IR-62+	
58	2	A	2 3	B1,F	M543		C14					
CEP-SPV-4A			A499	WJHT8316A76			A B	315004	N 21 00	33+		4320
SOLENOID PILOT FOR CEP-V-4A IR-63					R	501 L.4/9.3		R43	R305		E-IR-63+	
58	2	A	2 3	B1,F	M543		C15					
CEP-SPV-4B			A499	WJHT8316A54			A B	315004	N 21 00	33+		4320
SOLENOID PILOT FOR CEP-V-4B IR-63					R	501 L.4/9.3		R43	R305		E-IR-63+	
58	2	A	2 3	B1,F	M543		C14					
CIA-MO-20			L200	SMB-000			A A	221001 P	N 14	33		24
MOTOR OPERATOR CIA-V-20					R	525 J.3/7.0		R51			CIA-V-20+	
215	2	A	1 3	B1	M556		J6					
CIA-MO-30A			L200	SMB-000-5/P48			A A	221001	N 14	33		4320
1HP MOTOR OPERATOR CIA-V-30A					R	545 J.5/7.1		R52	R404		CIA-V-30A+	
215	2	A	1 3	B1	M556		H6					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	OID / ZONE	SEISMIC (S) PARAMETERS: TH HL TEST ANL EQ C / ROOM	FREQ / ACCURACY	ENV. (E) PARAMETERS: AGING DBE C / COMPOSITE EPN	HOURS
CIA-MO-30B			L200		SMB-000-5/Q48			A A	221001	P N 14	33		4320
1HP MOTOR OPERATOR CIA-V-30B						R 545	H.5/7.0		R52	R404		CIA-V-30B+	
215	2	A	1 3	B1	M556		F6						
CIA-PROG-1A			A611		1820BL020XX			A T	254001	F N 21 00	33		4320
16 STEP PROGR. TO N2 BOTTLES SPV*S						R 556	5.8/H.8		R63	R504		E-IR-67+	
58	3	A	1 0	C,E	M556		J7						
CIA-PROG-1B			A611		1820B1020XX			A T	254001	F N 21 00	33		4320
20 STEP PROGR.TO N2 BOTTLE SPV*S						R 556	H.7/8.2		R61	R504		E-IR-68+	
58	3	A	1 0	C,E	M556		F7						
CIA-PS-21A			I204		0288			B A	256007	F N 25 00	33+		4320
DIV.1 CIA N2 HDR PRESSURE IR-67						R 557	5.8/H.8		R63	R504		E-IR-67+	
58	2	A	1 3	C,E	M556		J6						
CIA-PS-21B			I204		0288			A A	256007	N 14 00	08		4320
DIV.2 CIA N2 HDR PRESSURE IR-68						R 548	H7/8.1		R61	R504		E-IR-68+	
58	2	A	1 3	C,E	M556		F6						
CIA-PS-22A			A499		SB11AKR/TG10A32			A	256024				4320
REMOTE LOCAL PS						R 548			R63			E-IR-67+	
220	2	A	2 3	G	M556		H7						
CIA-PS-22B			A499		SB11AKR/TG10A32			B A	256001	N 14 00	50		4320
CIA NITROGEN HEADER PRESSURE IR-68						R 548	H.8/5.7		R61			E-IR-68+	
220	2	A	2 3	G	M556		G7						
CIA-PS-29								B	256023				4320
PRESS SWTCH CONTAINMENT SUPPLY						R 522			R51				
220	2	P	2 0	G	M556		K07						
CIA-PS-39A			M239		DAW7023-804			A A	256011	F N 25 00	33+		4320
CIA CROSSTIE TO CN BACKUP IR-71						R 525	H.8/7.0		R51	R408		E-IR-71+	
58	2	A	2 3	G	M556		J7						
CIA-PS-39B			M235		DAW-7023-804-R8S			A A	256011	N 25 00	33+		4320
CIA CROSSTIE TO CN BACKUP IR-74						R 525	H.4/7.1		R51	R404		E-IR-74+	
58	2	A	2 3	G	M556		G7						
CIA-PT-20			G080		712203			A B	259003				4320
PT DOWNSTREAM OF CIA-AR-1						R 522	J/6.7		R51			E-IR-71+	
59	2	P	2 0	G	M556		K09						
CIA-PT-21A			R369		1151GP7A22T0003PB			C B	259003				4320
CIA HEADER PRESS. IR-67						R 548	H.8/5.7		R63			E-IR-67+	
59	2	A	1 3	I	M556		J6						
CIA-PT-21B			R369		1151GP7A22T0003 B			A B	259003				4320
CIA HEADER PRESS. IR-68						R 550	H.7/8.2		R61			E-IR-68+	
59	2	A	1 3	I	M556		F6						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	ENV. (E) PARAMETERS AGING / COMPOSITE EPN	DBE	C	HOURS
CIA-RLY-21A			S440	219XBXP				M	283041							4320
CONTROL RELAY CLOSES ON LO PRESS					R	548	M.8/5.7						E-IR-67+			
218	3	A	1 0	E	E519/18		F6									
CIA-RLY-21B			S440	219XBXP				M	283041							4320
CONTROL RELAY CLOSES ON LO PRESS					R	550	H.7/8.2						E-IR-68+			
218	3	A	1 0	C.E	E519/18		F6									
CIA-SPV-10A			M090	MV229MQ-S2				T	T 315023							4320
0.5" SOL PILOT ON N2 BOTTLE DISCH					R	440	N.1/4.3		R23	R105						
215	2	A	1 0	C	M556		G8									
CIA-SPV-10B			M090	MV229MQ-S2				T	T 315023							4320
0.5" SOL PILOT ON N2 BOTTLE DISCH.					R	440	N.1/7.0		R23	R105						
215	2	A	1 0	C	M556		F8									
CIA-SPV-11A			M090	MV229MQ-S2				T	T 315023							4320
0.5" SOL PILOT ON N2 BOTTLE DISCH					R	440	N.1/4.3		R23	R105						
215	2	A	1 0	C	M556		G8									
CIA-SPV-11B			M090	MV229MQ-S2				T	T 315023							4320
0.5" SOL PILOT ON N2 BOTTLE DISCH					R	440	N.1/7.0		R23	R105						
215	2	A	1 0	C	M556		F8									
CIA-SPV-12A			M090	MV229MQ-S2				T	T 315023							4320
0.5" SOL PILOT ON N2 BOTTLE DISCH					R	440	N.1/4.3		R23	R105						
215	2	A	1 0	C	M556		G8									
CIA-SPV-12B			M090	MV229MQ-S2				T	T 315023							4320
0.5" SOL PILOT ON N2 BOTTLE DISCH					R	440	N.1/7.0		R23	R105						
215	2	A	1 0	C	M556		F8									
CIA-SPV-13A			M090	MV229MQ-S2				T	T 315023							4320
0.5" SOL PILOT ON N2 BOTTLE DISCH					R	440	N.1/4.3		R23	R105						
215	2	A	1 0	C	M556		G8									
CIA-SPV-13B			M090	MV229MQ-S2				T	T 315023							4320
0.5" SOL PILOT ON N2 BOTTLE DISCH					R	440	N.1/7.0		R23	R105						
215	2	A	1 0	C	M556		F8									
CIA-SPV-14A			M090	MV229MQ-S2				T	T 315023							4320
0.5" SOL PILOT ON N2 BOTTLE DISCH					R	440	N.1/4.3		R23	R105						
215	2	A	1 0	C	M556		G8									
CIA-SPV-14B			M090	MV229MQ-S2				T	T 315023							4320
.5" SOL PILOT VLV ON N2 BTTL DISCH					R	440	N.1/7.0		R23	R105						
215	2	A	1 0	C	M556		F8									
CIA-SPV-15A			M090	MV229MQ-S2				T	T 315023							4320
.5" SOL PILOT VLL ON N2 BTTL DISCH					R	440	N.1/4.3		R23	R105						
215	2	A	1 0	C	M556		G8									

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS S E / DETAIL A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CIA-SPV-15B					M090	MV229MQ-S2	T T	315023				4320
.5" SOL PILOT VLV ON N2 BTTL DISCH					R	440 N.1/4.0		R23	R105			
215	2	A	1 0	C	M556		F8					
CIA-SPV-16B					M090	MV229MQ-S2	T T	315023				4320
.5" SOL PILOT VLV ON N2 BTTL DISCH					R	440 N.1/4.3		R23	R105			
215	2	A	1 0	C	M556		F8					
CIA-SPV-17B					M090	MV229MQ-S2	T T	315023				4320
.5" SOL PILOT VLV ON N2 BTTL DISCH					R	440 N.1/4.0		R23	R105			
215	2	A	1 0	C	M556		F8					
CIA-SPV-18B					M090	MV229MQ-S2	T T	315023				4320
0.5" SOL PILOT ON N2 BOTTLE DISCH.					R	440 N.1/4.3		R23	R105			
215	2	A	1 0	B1	M556		F8					
CIA-SPV-19B					M090	MV229MQ-S2	T T	315023				4320
.5" SOL PILOT VLV ON N2 BTTL DISCH					R	440 N.1/4.0		R23	R105			
215	2	A	1 0	C	M556		F8					
CIA-SPV-1A					M090	MV229MQ-S2	T T	315023				4320
0.5" SOL PILOT ON N2 BOTTLE DISCH					R	440 N.0/4.3		R23	R105			
215	2	A	1 0	C	M556		G8					
CIA-SPV-1B					M090	MV229MQ-S2	T T	315023				4320
.5" SOL PILOT VLV ON N2 BTTL DISCH					R	440 N.1/4.0		R23	R105			
215	2	A	1 0	C	M556		F8					
CIA-SPV-2A					M090	MV229MQ-S2	T T	315023				4320
.5" SOL PILOT VLV ON N2 BTTL DISCH					R	440 N.1/4.3		R23	R105			
215	2	A	1 0	C	M556		G8					
CIA-SPV-2B					M090	MV229MQ-S2	T T	315023				4320
.5" SOL PILOT VLV ON N2 BTTL DISCH					R	440 N.1/4.0		R23	R105			
215	2	A	1 0	C	M556		F8					
CIA-SPV-3A					M090	MV229MQ-S2	T T	315023				4320
.5" SOL PILOT VLV ON N2 BTTL DISCH					R	440 N.1/4.3		R23	R105			
215	2	A	1 0	C	M556		G8					
CIA-SPV-3B					M090	MV229MQ-S2	T T	315023				4320
.5" SOL PILOT VLV ON N2 BTTL DISCH					R	440 N.1/4.0		R23	R105			
215	2	A	1 0	C	M556		F8					
CIA-SPV-4A					M090	MV229MQ-S2	T T	315023				4320
.5" SOL PILOT VLV ON N2 BTTL DISCH					R	440 N.1/4.3		R23	R105			
215	2	A	1 0	C	M556		G8					
CIA-SPV-4B					M090	MV229MQ-S2	T T	315023				4320
.5" SOL PILOT VLV ON N2 BTTL DISCH					R	440 N.1/4.0		R23	R105			
215	2	A	1 0	C	M556		F8					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG	MODEL / A/E DRAWING	BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TH / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CIA-SPV-5A					M090	MV229MQ-S2			T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH							R	440 N.1/4.3		R23	R105				
215	2	A	1 0	C		M556		G8							
CIA-SPV-5B					M090	MV229MQ-S2			T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH							R	440 N.1/7.0		R23	R105				
215	2	A	1 0	C		M556		F8							
CIA-SPV-6A					M090	MV229MQ-S2			T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH							R	440 N.1/4.3		R23	R105				
215	2	A	1 0	C		M556		G8							
CIA-SPV-6B					M090	MV229MQ-S2			T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH							R	440 N.1/7.0		R23	R105				
215	2	A	1 0	C		M556		F8							
CIA-SPV-7A					M090	MV229MQ-S2			T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH							R	440 N.1/4.3		R23	R105				
215	2	A	1 0	C		M556		G8							
CIA-SPV-7B					M090	MV229MQ-S2			T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH							R	440 N.1/7.0		R23	R105				
215	2	A	1 0	C		M556		F8							
CIA-SPV-8A					M090	MV229MQ-S2			T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH							R	440 N.1/4.3		R23	R105				
215	2	A	1 0	C		M556		G8							
CIA-SPV-8B					M090	MV229MQ-S2			T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH							R	440 N.1/7.0		R23	R105				
215	2	A	1 0	C		M556		F8							
CIA-SPV-9A					M090	MV229MQ-S2			T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH							R	440 N.1/4.3		R23	R105				
215	2	A	1 0	C		M556		G8							
CIA-SPV-9B					M090	MV229MQ-S2			T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH							R	440 N.1/7.0		R23	R105				
215	2	A	1 0	C		M556		F8							
CIA-TDS-1A									M						4320
3 SEC DELAY FOR CIA-PROGR-1A							R	550 H.8/5.8						E-IR-67+	
	3	A	1 0	C,E		E519/1B		D6							
CIA-TDS-1B									M						4320
3 SEC DELAY FOR CIA-PROGR-1B							R	548 H.7/8.2						E-IR-68+	
	3	A	1 0	C,E		E519/1B		D6							
CIA-V-39A					M090	MV229HS-S2			T T	361008					4320
.5" SOL. AIR TIE TO N2 HDR							R	540 K.0/4.3		R52				CIA-V-39A+	
215	2	A	1 0	B1		M556		H7							

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID	ZONE	***SEISMIC (S) PARAMETERS*** TM / HL TEST / ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING / DBE / C / COMPOSITE EPN	HOURS
CIA-SPV-5A					M090 MV229MQ-S2		T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH						R 440	N.1/4.3		R23	R105			
215	2	A	1 0	C	M556		G8						
CIA-SPV-5B					M090 MV229MQ-S2		T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH						R 440	N.1/7.0		R23	R105			
215	2	A	1 0	C	M556		F8						
CIA-SPV-6A					M090 MV229MQ-S2		T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH						R 440	N.1/4.3		R23	R105			
215	2	A	1 0	C	M556		G8						
CIA-SPV-6B					M090 MV229MQ-S2		T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH						R 440	N.1/7.0		R23	R105			
215	2	A	1 0	C	M556		F8						
CIA-SPV-7A					M090 MV229MQ-S2		T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH						R 440	N.1/4.3		R23	R105			
215	2	A	1 0	C	M556		G8						
CIA-SPV-7B					M090 MV229MQ-S2		T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH						R 440	N.1/7.0		R23	R105			
215	2	A	1 0	C	M556		F8						
CIA-SPV-8A					M090 MV229MQ-S2		T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH						R 440	N.1/4.3		R23	R105			
215	2	A	1 0	C	M556		G8						
CIA-SPV-8B					M090 MV229MQ-S2		T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH						R 440	N.1/7.0		R23	R105			
215	2	A	1 0	C	M556		F8						
CIA-SPV-9A					M090 MV229MQ-S2		T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH						R 440	N.1/4.3		R23	R105			
215	2	A	1 0	C	M556		G8						
CIA-SPV-9B					M090 MV229MQ-S2		T T	315023					4320
.5" SOL PILOT VLV ON N2 BTTL DISCH						R 440	N.1/7.0		R23	R105			
215	2	A	1 0	C	M556		F8						
CIA-TDS-1A							M						4320
3 SEC DELAY FOR CIA-PROGR-1A						R 550	M.8/5.8				E-IR-67+		
	3	A	1 0	C,E	E519/1B		D6						
CIA-TDS-1B							M						4320
3 SEC DELAY FOR CIA-PROGR-1B						R 548	H.7/8.2				E-IR-68+		
	3	A	1 0	C,E	E519/1B		D6						
CIA-V-39A					M090 MV229MS-S2		T T	361008					4320
.5" SOL. AIR TIE TO N2 HDR						R 540	K.0/4.3		R52		CIA-V-39A+		
215	2	A	1 0	BI	M556		H7						

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID	ZONE	TM	HL TEST	ANL FQ C	ROOM	ACCURACY	FREQ	AGING	DBE	C	HOURS	COMPOSITE EPN
CIA-V-39B			M090		MV229HS-S2			T	T	361008											
.5" SOL. AIR TIE TO N2 HDR						R	540 M.8/7.7			R13										4320	CIA-V-39B+
215	2	A	1 0	B1	M556		F7														
CMS-AY-1			B135		7C(H2)AND 755(02)			P	A	025002											
H202 ANALYZER				SR-13		R	548 M6/4.5			R63										4320	S-SR-13+
92B	2	A	1 3	I	M543		E6														
CMS-AY-2			B135		7C(H2)AND 755 (02)			P	A	025002											
H202 ANALYZER						R	548 M6/4.5													4320	S-SR-14+
92B	2	A	1 3	I	M543		H14														
CMS-LT-1			R369		1151			B	D	209007	N	14	00			50					
SUPPRES.CHAMB.WTR.LEVEL MONIT.IR-						R	465 J.5/4.3			R32	R206									24	
59	2	A	1 3	I	M543		B14														
CMS-LT-2			R369		10P4D22T003PB			B	B	209007	N	14	00			50					
SUPPRES CHAMBER WTR LEVEL MONIT IR						R	464 M.2/7.7			R33	R214									24	
59	2	A	1 3	I	M543		B6														
CMS-ME-1			P047		600-09A			P	D	217002											
ME FOR DRYWELL						C	536 190 D AZ			C45										24	
220	2	A	1 3	I	M543		E13														
CMS-ME-2			P047		600-09A			P	D	217002											
ME FOR DRYWELL						R	536 195 D AZ			R46										24	
220	2	A	1 3	I	M543		F7														
CMS-ME-3			P047		600-09A			P	D	217002											
ME FOR DRYWELL						C	536 195 D AZ			C44										24	
220	2	A	1 3	I	M543		E7														
CMS-ME-4			P047		600-09A			P	D	217002											
ME FOR DRYWELL						R	536 190 D AZ			R54										24	
220	2	A	1 3	I	M543		E13														
CMS-ME-5			P047		600-09A			P	D	217002											
ME FOR DRYWELL						R	536 45 D AZ			R56										24	
220	2	A	1 3	I	M543		E7														
CMS-MT-1			P047		M26E				D	224001											
MT FOR DRYWELL						C	536			C45										24	
220	3	A	1 3	I	M543		E13														
CMS-MT-2			P047		M26E				D	224001											
MT FOR DRYWELL						R	536			R46										24	
220	3	A	1 3	I	M543		F7														
CMS-MT-3			P047		M26E				D	224001											
MT FOR DRYWELL						R	536													24	
220	3	A	1 3	I	M543		E7														

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG ELEV / DRAWING	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
CHS-MT-4			P047	M26E			D	224001						
MT FOR DRYWELL						R 536		R54						24
220	3	A	1 3	I	M543		E13							
CHS-MT-5			P047	M26E			D	224001						
MT FOR DRYWELL						R 536		R52						24
220	3	A	1 3	I	M543		E7							
CHS-PT-1			R369	1151GP4A22MBGE3			A B	259003	R N	14 00	07			
CONTAINMENT PRESS. MONITORING IR-6						R 555 5.8/M.8		R63				E-IR-67+		4320
58	2	A	1 3	I	M543		F13							
CHS-PT-2			R369	1151GP7A22MBGE3			A B	259003	R N	14 00	07			
CONTAINMENT PRESS MONITORING IR-68						R 551 8.2/M.7		R61				E-IR-68+		4320
58	2	A	1 3	I	M543		G7							
CHS-PT-2R			R369	163C1564P442203			A B	259003						
PRIMARY CONT. PRESS.						R 550 M.7/8.2		R61				E-IR-68+		4320
59	2	A	2 0	G	M543		G7							
CHS-PT-3			R369	1151GPZA22MBGE3			A B	259003	R N	14	07			
SUPPRES.CHAMB.PRESS.MONITOR IR-66						R 501 N.0/5.1		R43	R305			E-IR-66+		4320
59	2	A	1 0	I	M543		C15							
CHS-PT-4			R369	1151GPZA227BGE3			A B	259003	R N	14	07			
SUPPRES.CHAMB.PRESS.MONITOR IR-63						R 501 L.4/9.3		R41	R305			E-IR-63+		4320
59	2	A	1 0	I	M543		B6							
CHS-PT-5			R369	1151GT7A22MBGE3			A B	259003	R N	14	07			
CONTAINMENT PRESS.MONITORING IR-67						R 555 5.8/M.8		R63	R504			E-IR-67+		4320
59	2	A	1 3	I	M543		G13							
CHS-PT-6			R369	1151GP4A22MBGE3			A B	259003	R N	14	07			
CONTAINMENT PRESS.MONITORING IR-68						R 551 8.2/M.7		R61	R504			E-IR-68+		4320
59	2	A	1 3	I	M543		H7							
CHS-PT-6R			R369	1GP7A22T0003PB			A B	259003	R N	14	07			
CONTAINMENT PRESS.HIGH RANGE						R 550 N.7/8.2		R61				E-IR-68+		4320
59	2	A	2 0	G	M543		H7							
CHS-RE-12A							P							
RE FOR DRYWELL						R						S-SR-20+		4320
	2	A	1 3	I	M543		F13							
CHS-RE-12B							P							
RE FOR DRYWELL						R						S-SR-21+		4320
	2	A	1 3	I	M543		F6							
CHS-RE-27B			R220	RS-C4-1606-203			D	277005						
RE FOR LOCA DRYWELL MONITOR						R 526 K.3/7.1		R57						4320
92B	2	A	1 3	I	M544		G3							

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CMS-RE-27D			R220	RS-C4-1606-203			D	277005				4320
RAD ELEMENT ELEVATED RELEASE PT.						R 611 H.3/6.2		R81				
92B	2	A	1 3	I	M544		G3					
CMS-TE-21			H329	TC-2370-BB-A-250-TT			D N	339002	Y			4320
REACTOR DRYWELL						C 515 264 DEG AZ		C38				
218	2	A	1 3	I	M543		D10					
CMS-TE-22			H329	TC-2370-BB-250-TT			D N	339002	Y			4320
REACTOR DRYWELL						C 515 276 DEG AZ		C38				
218	2	A	1 3	I	M543		D10					
CMS-TE-23			H329	TC-2370-BB-A-250-TT			D N	339002	Y			4320
REACTOR DRYWELL						C 515 71 DEG AZ		C38				
218	2	A	1 3	I	M543		C10					
CMS-TE-41			H329	TC-113X-T-A-24-3			D N	339002	Y			24
TE FOR SUPPRESSION POOL WATER						C 451 2 DEG AZ		C25				
218	2	A	1 0	I	M543		B13					
CMS-TE-42			H329	TC-113X-T-A-24-3			D N	339002	Y			24
TE FOR SUPPRESSION POOL AIR						C 492 225 DEG AZ		C36				
218	2	A	1 0	I	M543		B6					
CMS-TE-43			H329	TC-113X-T-A-24-3			D N	339002	Y			24
TE FOR SUPPRESSION POOL WATER						C 451 225 DEG AZ		C26				
218	2	A	1 0	I	M543		B6					
CMS-TE-44			H329	TC-113X-T-A-24-3			D N	339002	Y			24
TE FOR SUPPRESION POOL AIR						C 492 2 DEG AZ		C35				
218	2	A	1 0	I	M543		B13					
CRA-M-1A1			R165	/365TCZ			M	213039	Y			
MOTOR FOR CRA-FN-1A1						C 501 62 D AZ R30		C45			CRA-FC-1A+	
67	2	A	2 3	N	M543		D12					
CRA-M-1A2			R165	/444TCZ			M	213040	Y			
MOTOR FOR CRA-FN-1A2						C 501 66 D AZ R30		C45			CRA-FC-1A+	
67	2	A	2 3	N	M543		D12					
CRA-M-1B1			R165	/365TCZ			M	213039	Y			
MOTOR FOR CRA-FN-1B1						C 501 182 D AZ R30		C46			CRA-FC-1B+	
67	2	A	2 3	N	M543		D11					
CRA-M-1B2			R165	/444TCZ			M	213040	Y			
MOTOR FOR CRA-FN-1B2						C 501 186 D AZ R30		C56			CRA-FC-1B+	
67	2	A	2 3	N	M543		D11					
CRA-M-1C1			R165	/365TCZ			M	213039	Y			
MOTOR FOR CRA-FN-1C1						C 501 271 D AZ R30		R46			CRA-FC-1C+	
67	2	A	2 3	N	M543		D9					

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID	ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRA-M-1C2					R165	/444TCZ		M	213040		Y			
MOTOR FOR CRA-FN-1C2							C 501 275	D AZ R30		C44			CRA-FC-1C+	
67	2	A	2 3	N	M543			D8						
CRA-M-2A1					R165	13G5TCZ		M			Y			
75HP/37.6A MOTOR FOR CRA-FN-2A1							C 522 270	DEG		R55			CRA-FC-2A+	
67	2	A	2 3	N	M543			H11						
CRA-M-2A2					R165			M			Y			
30HP/65-36A MOTOR FOR CRA-FN-2A2							C 522 270	DEG		R54			CRA-FC-2A+	
67	2	A	2 3	N	M543			H11						
CRA-M-2B1								M			Y			
75HP/?A MOTOR FOR CRA-FN-2B1							C 522			R56			CRA-FC-2B+	
67	2	A	2 3	N	M543			H9						
CRA-M-2B2								M			Y			
25HP/?A MOTOR FOR CRA-FN-2B2							C 522			R56			CRA-FC-2B+	
67	2	A	2 3	N	M543			H9						
CRA-M-3A					R165	600287-8/A0M		S M	213037		Y	14 00	60	4320
10HP/17.1A MTR DRIVER CRA-FN-3A							C 534 50	D AZ R17		B55			CRA-FN-3A+	
22A	2	A	1 3	D	M543			F12						
CRA-M-3B					R165	600287-8/A0M		S M	213037		Y	14 00	60	4320
10HP/17.1A MTR DRIVER CRA-FN-3B							C 534 140	D AZ R17		R57			CRA-FN-3B+	
22A	2	A	1 3	D	M543			F9						
CRA-M-3C					R165	600287-8/A0M		S M	213037	W	Y	14 00	60	4320
10HP/17.1A MTR DRIVER CRA-FN-3C							C 534 60	D AZ R17		R54			CRA-FN-3C+	
22A	2	A	1 3	D	M543			F8						
CRA-M-4A					R165	600287-9/A0M		S M	213038		Y	14 00	60	4320
7.5HP/?A MTR DRIVER FOR CRA-FN-4A							C 572 330	D AZ R17		R74			CRA-FN-4A+	
22A	2	A	1 3	D	M543			J10						
CRA-M-4B					R165	600287-9/A0M		S M	213038		Y	14 00	60	4320
7.5HP/?A MTR DRIVER FOR CRA-FN-4B							C 572 206	D AZ R17		R74			CRA-FN-4B+	
22A	2	A	1 3	D	M543			J9						
CRA-M-5A					R165	FRAME #324TCZ		S M	213050		Y	14 00	60	4320
10HP/17.1A MTR DRIVER CRA-FN-5A							C 572 180	D AZ R17		R74			CRA-FN-5A+	
22A	2	A	1 3	D	M543			J8						
CRA-M-5B					R165	FRAME #324TCZ		S M	213050		Y	14 00	60	4320
10HP/17.1A MTR DRIVER CRA-FN-5B							C 572 20	D AZ R17		R74			CRA-FN-5B+	
22A	2	A	1 3	D	M543			J11						
CRA-M-5C					R165	FRAME #324TCZ		S B	213050		Y	14 00	60	4320
10HP/17.1A MTR DRIVER CRA-M-5C							C 572 270	D AZ R17		R74			CRA-FN-5C+	
22A	2	A	1 3	D	M543			H8						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS / S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** / TM / ROOM	HL TEST / ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* / AGING / DBE / C / COMPOSITE EPN	HOURS
CRA-M-5D			R165	600287-8/A0M			S M	213037	Y	14 00	60		4320
10HP/17.1A MTR DRIVER CRA-FN-5D						C 572 90 D	AZ R17	R74				CRA-FN-5D+	
22A	2	A	1 3	D	M543		H11						
CRD-E/P-1			G080	158B7013P7			D	104001					1.0
ELECTRIC/PNEUMATIC CONVERTER						R 524	M.8/3.8						
02	2	A	2 1	A	M528		C8						
CRD-LS-13A			M040	5.0-751-1X-MPG-S13HY			A B	207004	W N	14 00	00		.17
CRD LEVEL - -						R 522	J2/6.9	R51	R404				
02C12	2	A	1 3	A	M528		J11						
CRD-LS-13B			M040	5.0-751-1X-MPG-S13HY			A B	207004	W N	14 00	00		.17
CRD LEVEL - -						R 530	J2/6.9	R51	R404				
02C12	2	A	1 3	A	M528		J11						
CRD-LS-13C			M040	5.0-751-1X-MPG-M13HY			A B	207004	W N	14 00	00		.17
CRD LEVEL - -						R 532	J.4/4.9	R52	R404				
02C12	2	A	1 3	A	M528		J6						
CRD-LS-13D			M040	5.0-751-1X-MPG-M13HY			A B	207004	W N	14 00	00		.17
CRD LEVEL - -						R 532	J.4/4.9	R52	R404				
02C12	2	A	1 3	A	M528		J7						
CRD-LS-13E			M040	5.0-751-2X-MPG-M14HY			A B	207004	W N	14 00	00		.17
CRD LEVEL - -						R 528	J.4/4.9	R52	R408				
02C12	2	A	1 3	A	M528		H7						
CRD-LS-13F			M040	5.0-751-2X-MPG-M14HY			A B	207004	W N	14 00	00		.17
CRD LEVEL - -						R 525	J.4/4.9	R52	R408				
02C12	2	A	1 3	A	M528		H7						
CRD-POS-1260219			M302				B						.17
POSITION SWITCH						R 522	L5/8.4					CRD-HCU-0219+	
02C12	3	A	1 0	A	M528		C4						
CRD-POS-1260223			M302				B						.17
POSITION SWITCH						R 522	L5/8.4					CRD-HCU-0223+	
02C12	3	A	1 0	A	M528		C4						
CRD-POS-1260227			M302				B						.17
POSITION SWITCH						R 522	L5/8.4					CRD-HCU-0227+	
02C12	3	A	1 0	A	M528		C4						
CRD-POS-1260231			M302				B						.17
POSITION SWITCH						R 522	L5/8.4					CRD-HCU-0231+	
02C12	3	A	1 0	A	M528		C4						
CRD-POS-1260235			M302				B						.17
POSITION SWITCH						R 522	K2/8.4					CRD-HCU-0235+	
02C12	3	A	1 0	A	M528		C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
CRD-POS-1260239					M302			B							
POSITION SWITCH						R	522 K2/8.4						CRD-HCU-0239+		.17
02C12	3	A	1 0	A	M528		C4								
CRD-POS-1260243					M302			B							
POSITION SWITCH						R	522 K2/8.4						CRD-HCU-0243+		.17
02C12	3	A	1 0	A	M528		C4								
CRD-POS-1260615					M302			B							
POSITION SWITCH						R	522 L5/8.4						CRD-HCU-0615+		.17
02C12	3	A	1 0	A	M528		C4								
CRD-POS-1260619					M302			B							
POSITION SWITCH						R	522 L5/8.4						CRD-HCU-0619+		.17
02C12	3	A	1 0	A	M528		C4								
CRD-POS-1260623					M302			B							
POSITION SWITCH						R	522 L5/8.4						CRD-HCU-0623+		.17
02C12	3	A	1 0	A	M528		C4								
CRD-POS-1260627					M302			B							
POSITION SWITCH						R	522 L5/8.4						CRD-HCU-0627+		.17
02C12	3	A	1 0	A	M528		C4								
CRD-POS-1260631					M302			B							
POSITION SWITCH						R	522 L5/8.4						CRD-HCU-0631+		.17
02C12	3	A	1 0	A	M528		C4								
CRD-POS-1260635					M302			B							
POSITION SWITCH						R	522 K2/8.4						CRD-HCU-0635+		.17
02C12	3	A	1 0	A	M528		C4								
CRD-POS-1260639					M302			B							
POSITION SWITCH						R	522 K2/8.4						CRD-HCU-0639+		.17
02C12	3	A	1 0	A	M528		C4								
CRD-POS-1260643					M302			B							
POSITION SWITCH						R	522 K2/8.4						CRD-HCU-0643+		.17
02C12	3	A	1 0	A	M528		C4								
CRD-POS-1260647					M302			B							
POSITION SWITCH						R	522 K2/8.4						CRD-HCU-0647+		.17
02C12	3	A	1 0	A	M528		C4								
CRD-POS-1261011					M302			B							
POSITION SWITCH						R	522 L5/8.4						CRD-HCU-1011+		.17
02C12	3	A	1 0	A	M528		C4								
CRD-POS-1261015					M302			B							
POSITION SWITCH						R	522 L5/8.4						CRD-HCU-1015+		.17
02C12	3	A	1 0	A	M528		C4								

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1261019			M302				B					.17
POSITION SWITCH						R 522	L5/8.4				CRD-HCU-1019+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1261023			M302				B					.17
POSITION SWITCH						R 522	L5/8.4				CRD-HCU-1023+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1261027			M302				B					.17
POSITION SWITCH						R 522	L5/8.4				CRD-HCU-1027+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1261031			M302				B					.17
POSITION SWITCH						R 522	L5/8.4				CRD-HCU-1031+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1261035			M302				B					.17
POSITION SWITCH						R 522	K2/8.4				CRD-HCU-1035+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1261039			M302				B					.17
POSITION SWITCH						R 522	K2/8.4				CRD-HCU-1039+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1261043			M302				B					.17
POSITION SWITCH						R 522	K2/8.4				CRD-HCU-1043+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1261047			M302				B					.17
POSITION SWITCH						R 522	K2/8.4				CRD-HCU-1047+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1261051			M302				B					.17
POSITION SWITCH						R 522	K2/8.4				CRD-HCU-1051+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1261407			M302				B					.17
POSITION SWITCH						R 522	L5/8.4				CRD-HCU-1407+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1261411			M302				B					.17
POSITION SWITCH						R 522	L5/8.4				CRD-HCU-1411+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1261415			M302				B					.17
POSITION SWITCH						R 522	L5/8.4				CRD-HCU-1415+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1261419			M302				B					.17
POSITION SWITCH						R 522	L5/8.4				CRD-HCU-1419+	
02C12	3	A	1 0	A	M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL A/E	BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1261423 POSITION SWITCH 02C12	3	A	1 0	A	M302 M528	R 522 L5/8.4	B C4				CRD-HCU-1423+	.17
CRD-POS-1261427 POSITION SWITCH 02C12	3	A	1 0	A	M302 M528	R 522 L5/8.4	B C4				CRD-HCU-1427+	.17
CRD-POS-1261431 POSITION SWITCH 02C12	3	A	1 0	A	M302 M528	R 522 L5/8.4	B C4				CRD-HCU-1431+	.17
CRD-POS-1261435 POSITION SWITCH 02C12	3	A	1 0	A	M302 M528	R 522 K2/8.4	B C4				CRD-HCU-1435+	.17
CRD-POS-1261439 POSITION SWITCH 02C12	3	A	1 0	A	M302 M528	R 522 K2/8.4	B C4				CRD-HCU-1439+	.17
CRD-POS-1261443 POSITION SWITCH 02C12	3	A	1 0	A	M302 M528	R 522 K2/8.4	B C4				CRD-HCU-1443+	.17
CRD-POS-1261447 POSITION SWITCH 02C12	3	A	1 0	A	M302 M528	R 522 K2/8.4	B C4				CRD-HCU-1447+	.17
CRD-POS-1261451 POSITION SWITCH 02C12	3	A	1 0	A	M302 M528	R 522 K2/8.4	B C4				CRD-HCU-1451+	.17
CRD-POS-1261455 POSITION SWITCH 02C12	3	A	1 0	A	M302 M528	R 522 K2/8.4	B C4				CRD-HCU-1455+	.17
CRD-POS-1261803 POSITION SWITCH 02C12	3	A	1 0	A	M302 M528	R 522 L5/8.4	B C4				CRD-HCU-1803+	.17
CRD-POS-1261807 POSITION SWITCH 02C12	3	A	1 0	A	M302 M528	R 522 L5/8.4	B C4				CRD-HCU-1807+	.17
CRD-POS-1261811 POSITION SWITCH 02C12	3	A	1 0	A	M302 M528	R 522 L5/8.4	B C4				CRD-HCU-1811+	.17
CRD-POS-1261815 POSITION SWITCH 02C12	3	A	1 0	A	M302 M528	R 522 L5/8.4	B C4				CRD-HCU-1815+	.17

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
CRD-POS-1261819			M302				B				.17
POSITION SWITCH						R 522 L5/8.4					CRD-HCU-1819+
02C12	3	A	1 0	A	M528	C4					
CRD-POS-1261823			M302				B				.17
POSITION SWITCH						R 522 L5/8.4					CRD-HCU-1823+
02C12	3	A	1 0	A	M528	C4					
CRD-POS-1261827			M302				B				.17
POSITION SWITCH						R 522 L5/8.4					CRD-HCU-1827+
02C12	3	A	1 0	A	M528	C4					
CRD-POS-1261831			M302				B				.17
POSITION SWITCH						R 522 L5/8.4					CRD-HCU-1831+
02C12	3	A	1 0	A	M528	C4					
CRD-POS-1261835			M302				B				.17
POSITION SWITCH						R 522 K2/8.4					CRD-HCU-1835+
02C12	3	A	1 0	A	M528	C4					
CRD-POS-1261839			M302				B				.17
POSITION SWITCH						R 522 K2/8.4					CRD-HCU-1839+
02C12	3	A	1 0	A	M528	C4					
CRD-POS-1261843			M302				B				.17
POSITION SWITCH						R 522 K2/8.4					CRD-HCU-1843+
02C12	3	A	1 0	A	M528	C4					
CRD-POS-1261847			M302				B				.17
POSITION SWITCH						R 522 K2/8.4					CRD-HCU-1847+
02C12	3	A	1 0	A	M528	C4					
CRD-POS-1261851			M302				B				.17
POSITION SWITCH						R 522 K2/8.4					CRD-HCU-1851+
02C12	3	A	1 0	A	M528	C4					
CRD-POS-1261855			M302				B				.17
POSITION SWITCH						R 522 K2/8.4					CRD-HCU-1855+
02C12	3	A	1 0	A	M528	C4					
CRD-POS-1261859			M302				B				.17
POSITION SWITCH						R 522 K2/8.4					CRD-HCU-1859+
02C12	3	A	1 0	A	M528	C4					
CRD-POS-1262203			M302				B				.17
POSITION SWITCH						R 522 L5/8.4					CRD-HCU-2203+
02C12	3	A	1 0	A	M528	C4					
CRD-POS-1262207			M302				B				.17
POSITION SWITCH						R 522 L5/8.4					CRD-HCU-2207+
02C12	3	A	1 0	A	M528	C4					

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL A/E	BLDG ELEV / DRAWING	STATUS S E / DETAIL A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1262211			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-2211+	
CRD-POS-1262215			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-2215+	
CRD-POS-1262219			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-2219+	
CRD-POS-1262223			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-2223+	
CRD-POS-1262227			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-2227+	
CRD-POS-1262231			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-2231+	
CRD-POS-1262235			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-2235+	
CRD-POS-1262239			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-2239+	
CRD-POS-1262243			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-2243+	
CRD-POS-1262247			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-2247+	
CRD-POS-1262251			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-2251+	
CRD-POS-1262255			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-2255+	
CRD-POS-1262259			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-2259+	

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL EQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	OBE C	HOURS
CRD-POS-1262603			M302				B							
POSITION SWITCH						R 522 L5/8.4								.17
02C12	3	A	1 0	A	M528	C4						CRD-HCU-2603+		
CRD-POS-1262607			M302				B							
POSITION SWITCH						R 522 L5/8.4								.17
02C12	3	A	1 0	A	M528	C4						CRD-HCU-2607+		
CRD-POS-1262611			M302				B							
POSITION SWITCH						R 522 L5/8.4								.17
02C12	3	A	1 0	A	M528	C4						CRD-HCU-2611+		
CRD-POS-1262615			M302				B							
POSITION SWITCH						R 522 L5/8.4								.17
02C12	3	A	1 0	A	M528	C4						CRD-HCU-2615+		
CRD-POS-1262619			M302				B							
POSITION SWITCH						R 522 L5/8.4								.17
02C12	3	A	1 0	A	M528	C4						CRD-HCU-2619+		
CRD-POS-1262623			M302				B							
POSITION SWITCH						R 522 L5/8.4								.17
02C12	3	A	1 0	A	M528	C4						CRD-HCU-2623+		
CRD-POS-1262627			M302				B							
POSITION SWITCH						R 522 L5/8.4								.17
02C12	3	A	1 0	A	M528	C4						CRD-HCU-2627+		
CRD-POS-1262631			M302				B							
POSITION SWITCH						R 522 L5/8.4								.17
02C12	3	A	1 0	A	M528	C4						CRD-HCU-2631+		
CRD-POS-1262635			M302				B							
POSITION SWITCH						R 522 K2/8.4								.17
02C12	3	A	1 0	A	M528	C4						CRD-HCU-2635+		
CRD-POS-1262639			M302				B							
POSITION SWITCH						R 522 K2/8.4								.17
02C12	3	A	1 0	A	M528	C4						CRD-HCU-2639+		
CRD-POS-1262643			M302				B							
POSITION SWITCH						R 522 K2/8.4								.17
02C12	3	A	1 0	A	M528	C4						CRD-HCU-2643+		
CRD-POS-1262647			M302				B							
POSITION SWITCH						R 522 K2/8.4								.17
02C12	3	A	1 0	A	M528	C4						CRD-HCU-2647+		
CRD-POS-1262651			M302				B							
POSITION SWITCH						R 522 K2/8.4								.17
02C12	3	A	1 0	A	M528	C4						CRD-HCU-2651+		

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E / QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
CRD-POS-1262655			M302				B			.17
POSITION SWITCH						R 522 K2/8.4				
02C12	3	A	1 0	A	M528	C4				CRD-HCU-2655+
CRD-POS-1262659			M302				B			.17
POSITION SWITCH						R 522 K2/8.4				
02C12	3	A	1 0	A	M528	C4				CRD-HCU-2659+
CRD-POS-1263003			M302				B			.17
POSITION SWITCH						R 522 L5/8.4				
02C12	3	A	1 0	A	M528	C4				CRD-HCU-3003+
CRD-POS-1263007			M302				B			.17
POSITION SWITCH						R 522 L5/8.4				
02C12	3	A	1 0	A	M528	C4				CRD-HCU-3007+
CRD-POS-1263011			M302				B			.17
POSITION SWITCH						R 522 L5/8.4				
02C12	3	A	1 0	A	M528	C4				CRD-HCU-3011+
CRD-POS-1263015			M302				B			.17
POSITION SWITCH						R 522 L5/8.4				
02C12	3	A	1 0	A	M528	C4				CRD-HCU-3015+
CRD-POS-1263019			M302				B			.17
POSITION SWITCH						R 522 L5/8.4				
02C12	3	A	1 0	A	M528	C4				CRD-HCU-3019+
CRD-POS-1263023			M302				B			.17
POSITION SWITCH						R 522 L5/8.4				
02C12	3	A	1 0	A	M528	C4				CRD-HCU-3023+
CRD-POS-1263027			M302				B			.17
POSITION SWITCH						R 522 L5/8.4				
02C12	3	A	1 0	A	M528	C4				CRD-HCU-3027+
CRD-POS-1263031			M302				B			.17
POSITION SWITCH						R 522 K2/8.4				
02C12	3	A	1 0	A	M528	C4				CRD-HCU-3031+
CRD-POS-1263035			M302				B			.17
POSITION SWITCH						R 522 K2/8.4				
02C12	3	A	1 0	A	M528	C4				CRD-HCU-3035+
CRD-POS-1263039			M302				B			.17
POSITION SWITCH						R 522 K2/8.4				
02C12	3	A	1 0	A	M528	C4				CRD-HCU-3039+
CRD-POS-1263043			M302				B			.17
POSITION SWITCH						R 522 K2/8.4				
02C12	3	A	1 0	A	M528	C4				CRD-HCU-3043+

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QTD / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1263047			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3047+	
CRD-POS-1263051			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3051+	
CRD-POS-1263055			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3055+	
CRD-POS-1263059			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3059+	
CRD-POS-1263403			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3403+	
CRD-POS-1263407			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3407+	
CRD-POS-1263411			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3411+	
CRD-POS-1263415			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3415+	
CRD-POS-1263419			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3419+	
CRD-POS-1263423			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3423+	
CRD-POS-1263427			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3427+	
CRD-POS-1263431			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3431+	
CRD-POS-1263435			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3435+	

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1263439 POSITION SWITCH			M302				B					
02C12	3	A	1 0	A	M528	R 522 K2/8.4 C4					CRD-HCU-3439+	.17
CRD-POS-1263443 POSITION SWITCH			M302				B					
02C12	3	A	1 0	A	M528	R 522 K2/8.4 C4					CRD-HCU-3443+	.17
CRD-POS-1263447 POSITION SWITCH			M302				B					
02C12	3	A	1 0	A	M528	R 522 K2/8.4 C4					CRD-HCU-3447+	.17
CRD-POS-1263451 POSITION SWITCH			M302				B					
02C12	3	A	1 0	A	M528	R 522 K2/8.4 C4					CRD-HCU-3451+	.17
CRD-POS-1263455 POSITION SWITCH			M302				B					
02C12	3	A	1 0	A	M528	R 522 K2/8.4 C4					CRD-HCU-3455+	.17
CRD-POS-1263459 POSITION SWITCH			M302				B					
02C12	3	A	1 0	A	M528	R 522 K2/8.4 C4					CRD-HCU-3459+	.17
CRD-POS-1263803 POSITION SWITCH			M302				B					
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4					CRD-HCU-3803+	.17
CRD-POS-1263807 POSITION SWITCH			M302				B					
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4					CRD-HCU-3807+	.17
CRD-POS-1263811 POSITION SWITCH			M302				B					
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4					CRD-HCU-3811+	.17
CRD-POS-1263815 POSITION SWITCH			M302				B					
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4					CRD-HCU-3815+	.17
CRD-POS-1263819 POSITION SWITCH			M302				B					
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4					CRD-HCU-3819+	.17
CRD-POS-1263823 POSITION SWITCH			M302				B					
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4					CRD-HCU-3823+	.17
CRD-POS-1263827 POSITION SWITCH			M302				B					
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4					CRD-HCU-3827+	.17

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL A/E	BLDG ELEV / DRAWING	STATUS S E / DETAIL A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TH HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1263831			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3831+	
CRD-POS-1263835			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3835+	
CRD-POS-1263839			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3839+	
CRD-POS-1263843			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3843+	
CRD-POS-1263847			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3847+	
CRD-POS-1263851			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3851+	
CRD-POS-1263855			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3855+	
CRD-POS-1263859			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3859+	
CRD-POS-1264203			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4203+	
CRD-POS-1264207			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4207+	
CRD-POS-1264211			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4211+	
CRD-POS-1264215			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4215+	
CRD-POS-1264219			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4219+	

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN	
CRD-POS-1264223			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4223+	
CRD-POS-1264227			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4227+	
CRD-POS-1264231			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4231+	
CRD-POS-1264235			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4235+	
CRD-POS-1264239			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4239+	
CRD-POS-1264243			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4243+	
CRD-POS-1264247			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4247+	
CRD-POS-1264251			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4251+	
CRD-POS-1264255			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4255+	
CRD-POS-1264259			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4259+	
CRD-POS-1264607			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4607+	
CRD-POS-1264611			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4611+	
CRD-POS-1264615			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4615+	

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL A/E	BLDG ELEV / DRAWING	STATUS S E / DETAIL A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1264619			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4619+	
CRD-POS-1264623			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4623+	
CRD-POS-1264627			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4627+	
CRD-POS-1264631			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4631+	
CRD-POS-1264635			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4635+	
CRD-POS-1264639			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4639+	
CRD-POS-1264643			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4643+	
CRD-POS-1264647			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4647+	
CRD-POS-1264651			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4651+	
CRD-POS-1264655			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4655+	
CRD-POS-1265011			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5011+	
CRD-POS-1265015			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5015+	
CRD-POS-1265019			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5019+	

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E	BLDG / DRAWING	ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST / ANL	FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-POS-1265023					M302					B								.17
POSITION SWITCH						R	522	L5/8.4							CRD-HCU-5023+			
02C12	3	A	1 0	A	M528			C4										
CRD-POS-1265027					M302					B								.17
POSITION SWITCH						R	522	L5/8.4							CRD-HCU-5027+			
02C12	3	A	1 0	A	M528			C4										
CRD-POS-1265031					M302					B								.17
POSITION SWITCH						R	522	K2/8.4							CRD-HCU-5031+			
02C12	3	A	1 0	A	M528			C4										
CRD-POS-1265035					M302					B								.17
POSITION SWITCH						R	522	K2/8.4							CRD-HCU-5035+			
02C12	3	A	1 0	A	M528			C4										
CRD-POS-1265039					M302					B								.17
POSITION SWITCH						R	522	K2/8.4							CRD-HCU-5039+			
02C12	3	A	1 0	A	M528			C4										
CRD-POS-1265043					M302					B								.17
POSITION SWITCH						R	522	K2/8.4							CRD-HCU-5043+			
02C12	3	A	1 0	A	M528			C4										
CRD-POS-1265047					M302					B								.17
POSITION SWITCH						R	522	K2/8.4							CRD-HCU-5047+			
02C12	3	A	1 0	A	M528			C4										
CRD-POS-1265051					M302					B								.17
POSITION SWITCH						R	522	K2/8.4							CRD-HCU-5051+			
02C12	3	A	1 0	A	M528			C4										
CRD-POS-1265415					M302					B								.17
POSITION SWITCH						R	522	L5/8.4							CRD-HCU-5415+			
02C12	3	A	1 0	A	M528			C4										
CRD-POS-1265419					M302					B								.17
POSITION SWITCH						R	522	L5/8.4							CRD-HCU-5419+			
02C12	3	A	1 0	A	M528			C4										
CRD-POS-1265423					M302					B								.17
POSITION SWITCH						R	522	L5/8.4							CRD-HCU-5423+			
02C12	3	A	1 0	A	M528			C4										
CRD-POS-1265427					M302					B								.17
POSITION SWITCH						R	522	L5/8.4							CRD-HCU-5427+			
02C12	3	A	1 0	A	M528			C4										
CRD-POS-1265431					M302					B								.17
POSITION SWITCH						R	522	K2/8.4							CRD-HCU-5431+			
02C12	3	A	1 0	A	M528			C4										

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S F / ZONE	QID / ROOM	TM HL TEST ANL FQ C / ACCURACY	FREQ	***SEISMIC (S) PARAMETERS*** AGING DBE C / COMPOSITE EPN	*ENV. (E) PARAMETERS* HOURS
CRD-POS-1265435			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-5435+	
CRD-POS-1265439			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-5439+	
CRD-POS-1265443			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-5443+	
CRD-POS-1265447			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-5447+	
CRD-POS-1265819			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-5819+	
CRD-POS-1265823			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-5823+	
CRD-POS-1265827			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-5827+	
CRD-POS-1265831			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-5831+	
CRD-POS-1265835			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-5835+	
CRD-POS-1265839			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-5839+	
CRD-POS-1265843			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-5843+	
CRD-POS-1270219			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0219+	
CRD-POS-1270223			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0223+	

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	ENV. (E) PARAMETERS AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1270227			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0227+	
CRD-POS-1270231			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0231+	
CRD-POS-1270235			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0235+	
CRD-POS-1270239			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0239+	
CRD-POS-1270243			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0243+	
CRD-POS-1270615			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0615+	
CRD-POS-1270619			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0619+	
CRD-POS-1270623			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0623+	
CRD-POS-1270627			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0627+	
CRD-POS-1270631			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0631+	
CRD-POS-1270635			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0635+	
CRD-POS-1270639			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0639+	
CRD-POS-1270643			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-0643+	

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL A/E	BLDG ELEV / DRAWING	STATUS S E / DETAIL A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN	
CRD-POS-1270647			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-0647+	
CRD-POS-1271011			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1011+	
CRD-POS-1271015			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1015+	
CRD-POS-1271019			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1019+	
CRD-POS-1271023			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1023+	
CRD-POS-1271027			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1027+	
CRD-POS-1271031			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1031+	
CRD-POS-1271035			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1035+	
CRD-POS-1271039			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1039+	
CRD-POS-1271043			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1043+	
CRD-POS-1271047			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1047+	
CRD-POS-1271051			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1051+	
CRD-POS-1271407			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1407+	

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / ZONE	STATUS S E / DETAIL / A/E ZONE	QID / ROOM	***SEISMIC (S) PARAMETERS*** TH HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN	
CRD-POS-1271411					M302		B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1411+	
CRD-POS-1271415					M302		B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1415+	
CRD-POS-1271419					M302		B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1419+	
CRD-POS-1271423					M302		B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1423+	
CRD-POS-1271427					M302		B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1427+	
CRD-POS-1271431					M302		B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1431+	
CRD-POS-1271435					M302		B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1435+	
CRD-POS-1271439					M302		B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1439+	
CRD-POS-1271443					M302		B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1443+	
CRD-POS-1271447					M302		B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1447+	
CRD-POS-1271451					M302		B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1451+	
CRD-POS-1271455					M302		B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1455+	
CRD-POS-1271803					M302		B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-1803+	

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E	BLDG / DRAWING	ELEV / DETAIL / A/E ZONE	STATUS S E / QID / ZONE	TM / ROOM	HL / TEST / ANL / FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / DBE / C / COMPOSITE	HOURS / EPN
CRD-POS-1271807			M302					B					
POSITION SWITCH						R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4					CRD-HCU-1807+	
CRD-POS-1271811			M302					B					
POSITION SWITCH						R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4					CRD-HCU-1811+	
CRD-POS-1271815			M302					B					
POSITION SWITCH						R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4					CRD-HCU-1815+	
CRD-POS-1271819			M302					B					
POSITION SWITCH						R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4					CRD-HCU-1819+	
CRD-POS-1271823			M302					B					
POSITION SWITCH						R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4					CRD-HCU-1823+	
CRD-POS-1271827			M302					B					
POSITION SWITCH						R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4					CRD-HCU-1827+	
CRD-POS-1271831			M302					B					
POSITION SWITCH						R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4					CRD-HCU-1831+	
CRD-POS-1271835			M302					B					
POSITION SWITCH						R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4					CRD-HCU-1835+	
CRD-POS-1271839			M302					B					
POSITION SWITCH						R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4					CRD-HCU-1839+	
CRD-POS-1271843			M302					B					
POSITION SWITCH						R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4					CRD-HCU-1843+	
CRD-POS-1271847			M302					B					
POSITION SWITCH						R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4					CRD-HCU-1847+	
CRD-POS-1271851			M302					B					
POSITION SWITCH						R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4					CRD-HCU-1851+	
CRD-POS-1271855			M302					B					
POSITION SWITCH						R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4					CRD-HCU-1855+	

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL A/E	BLDG ELEV / DRAWING	STATUS S E / DETAIL A/E	QID / ZONE	TM HL TEST ANL FQ C / ROOM	***SEISMIC (S) PARAMETERS*** FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1271859			M302					B				.17
POSITION SWITCH						R	522 K2/8.4				CRD-HCU-1859+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272203			M302					B				.17
POSITION SWITCH						R	522 L5/8.4				CRD-HCU-2203+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272207			M302					B				.17
POSITION SWITCH						R	522 L5/8.4				CRD-HCU-2207+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272211			M302					B				.17
POSITION SWITCH						R	522 L5/8.4				CRD-HCU-2211+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272215			M302					B				.17
POSITION SWITCH						R	522 L5/8.4				CRD-HCU-2215+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272219			M302					B				.17
POSITION SWITCH						R	522 L5/8.4				CRD-HCU-2219+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272223			M302					B				.17
POSITION SWITCH						R	522 L5/8.4				CRD-HCU-2223+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272227			M302					B				.17
POSITION SWITCH						R	522 L5/8.4				CRD-HCU-2227+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272231			M302					B				.17
POSITION SWITCH						R	522 L5/8.4				CRD-HCU-2231+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272235			M302					B				.17
POSITION SWITCH						R	522 K2/8.4				CRD-HCU-2235+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272239			M302					B				.17
POSITION SWITCH						R	522 K2/8.4				CRD-HCU-2239+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272243			M302					B				.17
POSITION SWITCH						R	522 K2/8.4				CRD-HCU-2243+	
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272247			M302					B				.17
POSITION SWITCH						R	522 K2/8.4				CRD-HCU-2247+	
02C12	3	A	1 0	A	M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS / S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** / TM HL TEST ANL FO C / ROOM	ACCURACY	FREQ	*ENV. (E) PARAMETERS* / AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1272251 POSITION SWITCH			M302				B						.17
02C12	3	A	1 0	A	M528	R 522 K2/8.4 C4						CRD-HCU-2251+	
CRD-POS-1272255 POSITION SWITCH			M302				B						.17
02C12	3	A	1 0	A	M528	R 522 K2/8.4 C4						CRD-HCU-2255+	
CRD-POS-1272259 POSITION SWITCH			M302				B						.17
02C12	3	A	1 0	A	M528	R 522 K2/8.4 C4						CRD-HCU-2259+	
CRD-POS-1272603 POSITION SWITCH			M302				B						.17
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4						CRD-HCU-2603+	
CRD-POS-1272607 POSITION SWITCH			M302				B						.17
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4						CRD-HCU-2607+	
CRD-POS-1272611 POSITION SWITCH			M302				B						.17
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4						CRD-HCU-2611+	
CRD-POS-1272615 POSITION SWITCH			M302				B						.17
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4						CRD-HCU-2615+	
CRD-POS-1272619 POSITION SWITCH			M302				B						.17
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4						CRD-HCU-2619+	
CRD-POS-1272623 POSITION SWITCH			M302				B						.17
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4						CRD-HCU-2623+	
CRD-POS-1272627 POSITION SWITCH			M302				B						.17
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4						CRD-HCU-2627+	
CRD-POS-1272631 POSITION SWITCH			M302				B						.17
02C12	3	A	1 0	A	M528	R 522 L5/8.4 C4						CRD-HCU-2631+	
CRD-POS-1272635 POSITION SWITCH			M302				B						.17
02C12	3	A	1 0	A	M528	R 522 K2/8.4 C4						CRD-HCU-2635+	
CRD-POS-1272639 POSITION SWITCH			M302				B						.17
02C12	3	A	1 0	A	M528	R 522 K2/8.4 C4						CRD-HCU-2639+	

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL A/E	BLDG ELEV / DRAWING	STATUS S E / DETAIL A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1272643 POSITION SWITCH			M302			R	522 K2/8.4	B			CRD-HCU-2643+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272647 POSITION SWITCH			M302			R	522 K2/8.4	B			CRD-HCU-2647+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272651 POSITION SWITCH			M302			R	522 K2/8.4	B			CRD-HCU-2651+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272655 POSITION SWITCH			M302			R	522 K2/8.4	B			CRD-HCU-2655+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1272659 POSITION SWITCH			M302			R	522 K2/8.4	B			CRD-HCU-2659+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1273003 POSITION SWITCH			M302			R	522 L5/8.4	B			CRD-HCU-3003+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1273007 POSITION SWITCH			M302			R	522 L5/8.4	B			CRD-HCU-3007+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1273011 POSITION SWITCH			M302			R	522 L5/8.4	B			CRD-HCU-3011+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1273015 POSITION SWITCH			M302			R	522 L5/8.4	B			CRD-HCU-3015+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1273019 POSITION SWITCH			M302			R	522 L5/8.4	B			CRD-HCU-3019+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1273023 POSITION SWITCH			M302			R	522 L5/8.4	B			CRD-HCU-3023+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1273027 POSITION SWITCH			M302			R	522 L5/8.4	B			CRD-HCU-3027+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1273031 POSITION SWITCH			M302			R	522 K2/8.4	B			CRD-HCU-3031+	.17
02C12	3	A	1 0	A	M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1273035			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3035+	
CRD-POS-1273039			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3039+	
CRD-POS-1273043			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3043+	
CRD-POS-1273047			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3047+	
CRD-POS-1273051			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3051+	
CRD-POS-1273055			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3055+	
CRD-POS-1273059			M302				B					
POSITION SWITCH					R	522 K2/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3059+	
CRD-POS-1273403			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3403+	
CRD-POS-1273407			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3407+	
CRD-POS-1273411			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3411+	
CRD-POS-1273415			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3415+	
CRD-POS-1273419			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3419+	
CRD-POS-1273423			M302				B					
POSITION SWITCH					R	522 L5/8.4						.17
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3423+	

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / ZONE / ROOM	STATUS / S E / DETAIL / A/E ZONE	QID	***SEISMIC (S) PARAMETERS*** / TM HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* / AGING DBE C HOURS / COMPOSITE EPN	
CRD-POS-1273427					M302			B				
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3427+	
CRD-POS-1273431					M302			B				
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3431+	
CRD-POS-1273435					M302			B				
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3435+	
CRD-POS-1273439					M302			B				
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3439+	
CRD-POS-1273443					M302			B				
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3443+	
CRD-POS-1273447					M302			B				
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3447+	
CRD-POS-1273451					M302			B				
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3451+	
CRD-POS-1273455					M302			B				
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3455+	
CRD-POS-1273459					M302			B				
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3459+	
CRD-POS-1273803					M302			B				
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3803+	
CRD-POS-1273807					M302			B				
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3807+	
CRD-POS-1273811					M302			B				
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3811+	
CRD-POS-1273815					M302			B				
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3815+	

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL A/E	BLDG ELEV / DRAWING	STATUS S E / DETAIL A/E ZONE	QID / ZONE	TM HL TEST ANL EQ C / ROOM	***SEISMIC (S) PARAMETERS*** FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1273819			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3819+	
CRD-POS-1273823			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3823+	
CRD-POS-1273827			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3827+	
CRD-POS-1273831			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3831+	
CRD-POS-1273835			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3835+	
CRD-POS-1273839			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3839+	
CRD-POS-1273843			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3843+	
CRD-POS-1273847			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3847+	
CRD-POS-1273851			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3851+	
CRD-POS-1273855			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3855+	
CRD-POS-1273859			M302				B					
POSITION SWITCH						R 522	K2/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-3859+	
CRD-POS-1274203			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4203+	
CRD-POS-1274207			M302				B					
POSITION SWITCH						R 522	L5/8.4					.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-4207+	

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL A/E	BLDG ELEV / DRAWING	STATUS S E / DETAIL A/E ZONE	QIO ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1274211 POSITION SWITCH			M302			R	B 522 L5/8.4				CRD-HCU-4211+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274215 POSITION SWITCH			M302			R	B 522 L5/8.4				CRD-HCU-4215+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274219 POSITION SWITCH			M302			R	B 522 L5/8.4				CRD-HCU-4219+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274223 POSITION SWITCH			M302			R	B 522 L5/8.4				CRD-HCU-4223+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274227 POSITION SWITCH			M302			R	B 522 L5/8.4				CRD-HCU-4227+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274231 POSITION SWITCH			M302			R	B 522 K2/8.4				CRD-HCU-4231+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274235 POSITION SWITCH			M302			R	B 522 K2/8.4				CRD-HCU-4235+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274239 POSITION SWITCH			M302			R	B 522 K2/8.4				CRD-HCU-4239+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274243 POSITION SWITCH			M302			R	B 522 K2/8.4				CRD-HCU-4243+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274247 POSITION SWITCH			M302			R	B 522 K2/8.4				CRD-HCU-4247+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274251 POSITION SWITCH			M302			R	B 522 K2/8.4				CRD-HCU-4251+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274255 POSITION SWITCH			M302			R	B 522 K2/8.4				CRD-HCU-4255+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274259 POSITION SWITCH			M302			R	B 522 K2/8.4				CRD-HCU-4259+	.17
02C12	3	A	1 0	A	M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL A/E	BLDG ELEV DRAWING	STATUS S E / DETAIL A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1274607 POSITION SWITCH			M302			R 522 L5/8.4	B				CRD-HCU-4607+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274611 POSITION SWITCH			M302			R 522 L5/8.4	B				CRD-HCU-4611+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274615 POSITION SWITCH			M302			R 522 L5/8.4	B				CRD-HCU-4615+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274619 POSITION SWITCH			M302			R 522 L5/8.4	B				CRD-HCU-4619+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274623 POSITION SWITCH			M302			R 522 L5/8.4	B				CRD-HCU-4623+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274627 POSITION SWITCH			M302			R 522 L5/8.4	B				CRD-HCU-4627+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274631 POSITION SWITCH			M302			R 522 K2/8.4	B				CRD-HCU-4631+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274635 POSITION SWITCH			M302			R 522 K2/8.4	B				CRD-HCU-4635+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274639 POSITION SWITCH			M302			R 522 K2/8.4	B				CRD-HCU-4639+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274643 POSITION SWITCH			M302			R 522 K2/8.4	B				CRD-HCU-4643+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274647 POSITION SWITCH			M302			R 522 K2/8.4	B				CRD-HCU-4647+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274651 POSITION SWITCH			M302			R 522 K2/8.4	B				CRD-HCU-4651+	.17
02C12	3	A	1 0	A	M528		C4					
CRD-POS-1274655 POSITION SWITCH			M302			R 522 K2/8.4	B				CRD-HCU-4655+	.17
02C12	3	A	1 0	A	M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E	BLDG ELEV / DRAWING	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN	
CRD-POS-1275011			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5011+	
CRD-POS-1275015			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5015+	
CRD-POS-1275019			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5019+	
CRD-POS-1275023			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5023+	
CRD-POS-1275027			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5027+	
CRD-POS-1275031			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5031+	
CRD-POS-1275035			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5035+	
CRD-POS-1275039			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5039+	
CRD-POS-1275043			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5043+	
CRD-POS-1275047			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5047+	
CRD-POS-1275051			M302				B					
POSITION SWITCH						R 522 K2/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5051+	
CRD-POS-1275415			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5415+	
CRD-POS-1275419			M302				B					
POSITION SWITCH						R 522 L5/8.4						.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5419+	

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL A/E	BLDG ELEV / DRAWING	STATUS S E / DETAIL A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
CRD-POS-1275423			M302				B				
POSITION SWITCH						R 522	L5/8.4				.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5423+
CRD-POS-1275427			M302				B				
POSITION SWITCH						R 522	L5/8.4				.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5427+
CRD-POS-1275431			M302				B				
POSITION SWITCH						R 522	K2/8.4				.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5431+
CRD-POS-1275435			M302				B				
POSITION SWITCH						R 522	K2/8.4				.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5435+
CRD-POS-1275439			M302				B				
POSITION SWITCH						R 522	K2/8.4				.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5439+
CRD-POS-1275443			M302				B				
POSITION SWITCH						R 522	K2/8.4				.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5443+
CRD-POS-1275447			M302				B				
POSITION SWITCH						R 522	K2/8.4				.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5447+
CRD-POS-1275819			M302				B				
POSITION SWITCH						R 522	L5/8.4				.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5819+
CRD-POS-1275823			M302				B				
POSITION SWITCH						R 522	L5/8.4				.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5823+
CRD-POS-1275827			M302				B				
POSITION SWITCH						R 522	L5/8.4				.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5827+
CRD-POS-1275831			M302				B				
POSITION SWITCH						R 522	K2/8.4				.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5831+
CRD-POS-1275835			M302				B				
POSITION SWITCH						R 522	K2/8.4				.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5835+
CRD-POS-1275839			M302				B				
POSITION SWITCH						R 522	K2/8.4				.17
02C12	3	A	1 0	A	M528		C4				CRD-HCU-5839+

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST	ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE	C	HOURS
CRD-POS-1275843			M302					B									
POSITION SWITCH							R 522 K2/8.4							CRD-HCU-5843+			.17
02C12	3	A	1 0	A		M528	C4										
CRD-PS-130/0219			B069		B1T-GH32SS			A B	256019	F	N	11	01				
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/8.4		R53					CRD-HCU-0219			.17
02C12	2	A	1 3	A		M528	C4										
CRD-PS-130/0223			B069		B1T-GH32SS			A B	256019	F	N	11	01				
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/8.4		R53					CRD-HCU-0223+			.17
02C12	2	A	1 3	A		M528	C4										
CRD-PS-130/0227			B069		B1T-GH32SS			A B	256019	F	N	11	01				
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/8.4		R53					CRD-HCU-0227+			.17
02C12	2	A	1 3	A		M528	C4										
CRD-PS-130/0231			B069		B1T-GH32SS			A B	256019	F	N	11	01				
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/8.4		R53					CRD-HCU-0231+			.17
02C12	2	A	1 3	A		M528	C4										
CRD-PS-130/0235			B069		B1T-GH32SS			A B	256019	F	N	11	01				
ACCUM PRESS 970-940 PSIG DECREAS							R 522 K2/8.4		R51					CRD-HCU-0235+			.17
02C12	2	A	1 3	A		M528	C4										
CRD-PS-130/0239			B069		B1T-GH32SS			A B	256019	F	N	11	01				
ACCUM PRESS 970-940 PSIG DECREAS							R 522 K2/8.4		R51					CRD-HCU-0239+			.17
02C12	2	A	1 3	A		M528	C4										
CRD-PS-130/0243			B069		B1T-GH32SS			A B	256019	F	N	11	01				
ACCUM PRESS 970-940 PSIG DECREAS							R 522 K2/8.4		R51					CRD-HCU-0243+			.17
02C12	2	A	1 3	A		M528	C4										
CRD-PS-130/0615			B069		B1T-GH32SS			A B	256019	F	N	11	01				
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/8.4		R53					CRD-HCU-0615+			.17
02C12	2	A	1 3	A		M528	C4										
CRD-PS-130/0619			B069		B1T-GH32SS			A B	256019	F	N	11	01				
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/8.4		R53					CRD-HCU-0619+			.17
02C12	2	A	1 3	A		M528	C4										
CRD-PS-130/0623			B069		B1T-GH32SS			A B	256019	F	N	11	01				
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/8.4		R53					CRD-HCU-0623+			.17
02C12	2	A	1 3	A		M528	C4										
CRD-PS-130/0627			B069		B1T-GH32SS			A B	256019	F	N	11	01				
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/8.4		R53					CRD-HCU-0627+			.17
02C12	2	A	1 3	A		M528	C4										
CRD-PS-130/0631			B069		B1T-GH32SS			A B	256019	F	N	11	01				
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/8.4		R53					CRD-HCU-0631+			.17
02C12	2	A	1 3	A		M528	C4										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS / S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** / TM / HL TEST / ROOM	ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* / AGING / DBE / C / COMPOSITE EPN	HOURS
CRD-PS-130/0635				B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4		R51				CRD-HCU-0635+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/0639				B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4		R51				CRD-HCU-0639+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/0643				B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4		R51				CRD-HCU-0643+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/0647				B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4		R51				CRD-HCU-0647+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/1011				B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4		R53				CRD-HCU-1011+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/1015				B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4		R53				CRD-HCU-1015+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/1019				B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4		R53				CRD-HCU-1019+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/1023				B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4		R53				CRD-HCU-1023+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/1027				B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4		R53				CRD-HCU-1027+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/1031				B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4		R53				CRD-HCU-1031+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/1035				B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4		R51				CRD-HCU-1035+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/1039				B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4		R51				CRD-HCU-1039+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/1043				B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4		R51				CRD-HCU-1043+	
02C12	2	A	1 3	A	M528		C4						

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	HFG	MODEL	A/E DRAWING	BLDG ELEV	STATUS S E / DETAIL A/E ZONE	QID	ZONE	TM	HL TEST ROOM	ANL FO C ACCURACY	FREQ	ENV. (E) PARAMETERS AGING	DBE	C	HOURS	COMPOSITE EPN
CRD-PS-130/1047				B1T-GH32SS	B069		R	522 K2/8.4	A B	256019	R51	F	N	11	01				.17	CRD-HCU-1047+
ACCUM PRESS 970-940 PSIG DECREAS																				
02C12	2	A	1 3	A		M528			C4											
CRD-PS-130/1051				B1T-GH32SS	B069		R	522 K2/8.4	A B	256019	R51	F	N	11	01				.17	CRD-HCU-1051+
ACCUM PRESS 970-940 PSIG DECREAS																				
02C12	2	A	1 3	A		M528			C4											
CRD-PS-130/1407				B1T-GH32SS	B069		R	522 L5/8.4	A B	256019	R53	F	N	11	01				.17	CRD-HCU-1407+
ACCUM PRESS 970-940 PSIG DECREAS																				
02C12	2	A	1 3	A		M528			C4											
CRD-PS-130/1411				B1T-GH32SS	B069		R	522 L5/8.4	A B	256019	R53	F	N	11	01				.17	CRD-HCU-1411+
ACCUM PRESS 970-940 PSIG DECREAS																				
02C12	2	A	1 3	A		M528			C4											
CRD-PS-130/1415				B1T-GH32SS	B069		R	522 L5/8.4	A B	256019	R53	F	N	11	01				.17	CRD-HCU-1415+
ACCUM PRESS 970-940 PSIG DECREAS																				
02C12	2	A	1 3	A		M528			C4											
CRD-PS-130/1419				B1T-GH32SS	B069		R	522 L5/8.4	A B	256019	R53	F	N	11	01				.17	CRD-HCU-1419+
ACCUM PRESS 970-940 PSIG DECREAS																				
02C12	2	A	1 3	A		M528			C4											
CRD-PS-130/1423				B1T-GH32SS	B069		R	522 L5/8.4	A B	256019	R53	F	N	11	01				.17	CRD-HCU-1423+
ACCUM PRESS 970-940 PSIG DECREAS																				
02C12	2	A	1 3	A		M528			C4											
CRD-PS-130/1427				B1T-GH32SS	B069		R	522 L5/8.4	A B	256019	R53	F	N	11	01				.17	CRD-HCU-1427+
ACCUM PRESS 970-940 PSIG DECREAS																				
02C12	2	A	1 3	A		M528			C4											
CRD-PS-130/1431				B1T-GH32SS	B069		R	522 L5/8.4	A B	256019	R53	F	N	11	01				.17	CRD-HCU-1431+
ACCUM PRESS 970-940 PSIG DECREAS																				
02C12	2	A	1 3	A		M528			C4											
CRD-PS-130/1435				B1T-GH32SS	B069		R	522 K2/8.4	A B	256019	R51	F	N	11	01				.17	CRD-HCU-1435+
ACCUM PRESS 970-940 PSIG DECREAS																				
02C12	2	A	1 3	A		M528			C4											
CRD-PS-130/1439				B1T-GH32SS	B069		R	522 K2/8.4	A B	256019	R51	F	N	11	01				.17	CRD-HCU-1439+
ACCUM PRESS 970-940 PSIG DECREAS																				
02C12	2	A	1 3	A		M528			C4											
CRD-PS-130/1443				B1T-GH32SS	B069		R	522 K2/8.4	A B	256019	R51	F	N	11	01				.17	CRD-HCU-1443+
ACCUM PRESS 970-940 PSIG DECREAS																				
02C12	2	A	1 3	A		M528			C4											
CRD-PS-130/1447				B1T-GH32SS	B069		R	522 K2/8.4	A B	256019	R51	F	N	11	01				.17	CRD-HCU-1447+
ACCUM PRESS 970-940 PSIG DECREAS																				
02C12	2	A	1 3	A		M528			C4											

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** IM / ROOM	HL TEST / AHL EQ C	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE	C	HOURS
CRD-PS-130/1451			B069	B1T-GH32SS			A	B	256019	F	N	11	01			.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51					CRD-HCU-1451+		
02C12	2	A	1 3	A	M528		C4									
CRD-PS-130/1455			B069	B1T-GH32SS			A	B	256019	F	N	11	01			.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51					CRD-HCU-1455+		
02C12	2	A	1 3	A	M528		C4									
CRD-PS-130/1803			B069	B1T-GH32SS			A	B	256019	F	N	11	01			.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53					CRD-HCU-1803+		
02C12	2	A	1 3	A	M528		C4									
CRD-PS-130/1807			B069	B1T-GH32SS			A	B	256019	F	N	11	01			.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53					CRD-HCU-1807+		
02C12	2	A	1 3	A	M528		C4									
CRD-PS-130/1811			B069	B1T-GH32SS			A	B	256019	F	N	11	01			.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53					CRD-HCU-1811+		
02C12	2	A	1 3	A	M528		C4									
CRD-PS-130/1815			B069	B1T-GH32SS			A	B	256019	F	N	11	01			.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53					CRD-HCU-1815+		
02C12	2	A	1 3	A	M528		C4									
CRD-PS-130/1819			B069	B1T-GH32SS			A	B	256019	F	N	11	01			.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53					CRD-HCU-1819+		
02C12	2	A	1 3	A	M528		C4									
CRD-PS-130/1823			B069	B1T-GH32SS			A	B	256019	F	N	11	01			.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53					CRD-HCU-1823+		
02C12	2	A	1 3	A	M528		C4									
CRD-PS-130/1827			B069	B1T-GH32SS			A	B	256019	F	N	11	01			.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53					CRD-HCU-1827+		
02C12	2	A	1 3	A	M528		C4									
CRD-PS-130/1831			B069	B1T-GH32SS			A	B	256019	F	N	11	01			.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53					CRD-HCU-1831+		
02C12	2	A	1 3	A	M528		C4									
CRD-PS-130/1835			B069	B1T-GH32SS			A	B	256019	F	N	11	01			.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51					CRD-HCU-1835+		
02C12	2	A	1 3	A	M528		C4									
CRD-PS-130/1839			B069	B1T-GH32SS			A	B	256019	F	N	11	01			.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51					CRD-HCU-1839+		
02C12	2	A	1 3	A	M528		C4									
CRD-PS-130/1843			B069	B1T-GH32SS			A	B	256019	F	N	11	01			.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51					CRD-HCU-1843+		
02C12	2	A	1 3	A	M528		C4									

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM	HL	TEST	ANL	FQ	C	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-PS-130/1847			B069	B1T-GH32SS			A	B	256019	F	N		11	01						.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51								CRD-HCU-1847+			
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/1851			B069	B1T-GH32SS			A	B	256019	F	N		11	01						.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51								CRD-HCU-1851+			
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/1855			B069	B1T-GH32SS			A	B	256019	F	N		11	01						.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51								CRD-HCU-1855+			
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/1859			B069	B1T-GH32SS			A	B	256019	F	N		11	01						.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51								CRD-HCU-1859+			
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2203			B069	B1T-GH32SS			A	B	256019	F	N		11	01						.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53								CRD-HCU-2203+			
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2207			B069	B1T-GH32SS			A	B	256019	F	N		11	01						.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53								CRD-HCU-2207+			
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2211			B069	B1T-GH32SS			A	B	256019	F	N		11	01						.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53								CRD-HCU-2211+			
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2215			B069	B1T-GH32SS			A	B	256019	F	N		11	01						.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53								CRD-HCU-2215+			
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2219			B069	B1T-GH32SS			A	B	256019	F	N		11	01						.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53								CRD-HCU-2219+			
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2223			B069	B1T-GH32SS			A	B	256019	F	N		11	01						.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53								CRD-HCU-2223+			
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2227			B069	B1T-GH32SS			A	B	256019	F	N		11	01						.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53								CRD-HCU-2227+			
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2231			B069	B1T-GH32SS			A	B	256019	F	N		11	01						.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53								CRD-HCU-2231+			
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2235			B069	B1T-GH32SS			A	B	256019	F	N		11	01						.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51								CRD-HCU-2235+			
02C12	2	A	1 3	A	M528	C4														

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
CRD-PS-130/2239			B069	B1T-GH32SS				A B	256019	F N	11 01				
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51				CRD-HCU-2239+		.17
02C12	2	A	1 3	A		M528		C4							
CRD-PS-130/2243			B069	B1T-GH32SS				A B	256019	F N	11 01				
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51				CRD-HCU-2243+		.17
02C12	2	A	1 3	A		M528		C4							
CRD-PS-130/2247			B069	B1T-GH32SS				A B	256019	F N	11 01				
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51				CRD-HCU-2247+		.17
02C12	2	A	1 3	A		M528		C4							
CRD-PS-130/2251			B069	B1T-GH32SS				A B	256019	F N	11 01				
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51				CRD-HCU-2251+		.17
02C12	2	A	1 3	A		M528		C4							
CRD-PS-130/2255			B069	B1T-GH32SS				A B	256019	F N	11 01				
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51				CRD-HCU-2255+		.17
02C12	2	A	1 3	A		M528		C4							
CRD-PS-130/2259			B069	B1T-GH32SS				A B	256019	F N	11 01				
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/8.4			R51				CRD-HCU-2259+		.17
02C12	2	A	1 3	A		M528		C4							
CRD-PS-130/2603			B069	B1T-GH32SS				A B	256019	F N	11 01				
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53				CRD-HCU-2603+		.17
02C12	2	A	1 3	A		M528		C4							
CRD-PS-130/2607			B069	B1T-GH32SS				A B	256019	F N	11 01				
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53				CRD-HCU-2607+		.17
02C12	2	A	1 3	A		M528		C4							
CRD-PS-130/2611			B069	B1T-GH32SS				A B	256019	F N	11 01				
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53				CRD-HCU-2611+		.17
02C12	2	A	1 3	A		M528		C4							
CRD-PS-130/2615			B069	B1T-GH32SS				A B	256019	F N	11 01				
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53				CRD-HCU-2615+		.17
02C12	2	A	1 3	A		M528		C4							
CRD-PS-130/2619			B069	B1T-GH32SS				A B	256019	F N	11 01				
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53				CRD-HCU-2619+		.17
02C12	2	A	1 3	A		M528		C4							
CRD-PS-130/2623			B069	B1T-GH32SS				A B	256019	F N	11 01				
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53				CRD-HCU-2623+		.17
02C12	2	A	1 3	A		M528		C4							
CRD-PS-130/2627			B069	B1T-GH32SS				A B	256019	F N	11 01				
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/8.4			R53				CRD-HCU-2627+		.17
02C12	2	A	1 3	A		M528		C4							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** / TM / HL TEST / ANL FO C / ROOM / ACCURACY	FREQ	*ENV. (E) PARAMETERS* / AGING / DBE / C / COMPOSITE EPN	HOURS
CRD-PS-130/2631				B1T-GH32SS			A B	256019	F N 11 01			.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522	L5/8.4	R53			CRD-HCU-2631+	
02C12	2	A	1 3 A		M528		C4					
CRD-PS-130/2635				B1T-GH32SS			A B	256019	F N 11 01			.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522	K2/8.4	R51			CRD-HCU-2635+	
02C12	2	A	1 3 A		M528		C4					
CRD-PS-130/2639				B1T-GH32SS			A B	256019	F N 11 01			.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522	K2/8.4	R51			CRD-HCU-2639+	
02C12	2	A	1 3 A		M528		C4					
CRD-PS-130/2643				B1T-GH32SS			A B	256019	F N 11 01			.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522	K2/8.4	R51			CRD-HCU-2643+	
02C12	2	A	1 3 A		M528		C4					
CRD-PS-130/2647				B1T-GH32SS			A B	256019	F N 11 01			.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522	K2/8.4	R51			CRD-HCU-2647+	
02C12	2	A	1 3 A		M528		C4					
CRD-PS-130/2651				B1T-GH32SS			A B	256019	F N 11 01			.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522	K2/8.4	R51			CRD-HCU-2651+	
02C12	2	A	1 3 A		M528		C4					
CRD-PS-130/2655				B1T-GH32SS			A B	256019	F N 11 01			.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522	K2/8.4	R51			CRD-HCU-2655+	
02C12	2	A	1 3 A		M528		C4					
CRD-PS-130/2659				B1T-GH32SS			A B	256019	F N 11 01			.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522	K2/8.4	R51			CRD-HCU-2659+	
02C12	2	A	1 3 A		M528		C4					
CRD-PS-130/3003				B1T-GH32SS			A B	256019	F N 11 01			.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522	L5/8.4	R53			CRD-HCU-3003+	
02C12	2	A	1 3 A		M528		C4					
CRD-PS-130/3007				B1T-GH32SS			A B	256019	F N 11 01			.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522	L5/8.4	R53			CRD-HCU-3007+	
02C12	2	A	1 3 A		M528		C4					
CRD-PS-130/3011				B1T-GH32SS			A B	256019	F N 11 01			.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522	L5/8.4	R53			CRD-HCU-3011+	
02C12	2	A	1 3 A		M528		C4					
CRD-PS-130/3015				B1T-GH32SS			A B	256019	F N 11 01			.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522	L5/8.4	R53			CRD-HCU-3015+	
02C12	2	A	1 3 A		M528		C4					
CRD-PS-130/3019				B1T-GH32SS			A B	256019	F N 11 01			.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522	L5/8.4	R53			CRD-HCU-3019+	
02C12	2	A	1 3 A		M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM	HL	TEST / ROOM	ANL	FO	C	FREQ / ACCURACY	AGING	DBE	C	HOURS	COMPOSITE EPN
CRD-PS-130/3023				B1T-GH32SS						A	B	256019	F	N	11	01								
ACCUM PRESS 970-940 PSIG DECREAS							R	522	L5/8.4			R53											.17	CRD-HCU-3023+
02C12	2	A	1 3	A	M528				C4															
CRD-PS-130/3027				B1T-GH32SS						A	B	256019	F	N	11	01								
ACCUM PRESS 970-940 PSIG DECREAS							R	522	L5/8.4			R53											.17	CRD-HCU-3027+
02C12	2	A	1 3	A	M528				C4															
CRD-PS-130/3031				B1T-GH32SS						A	B	256019	F	N	11	01								
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52											.17	CRD-HCU-3031+
02C12	2	A	1 3	A	M528				C4															
CRD-PS-130/3035				B1T-GH32SS						A	B	256019	F	N	11	01								
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52											.17	CRD-HCU-3035+
02C12	2	A	1 3	A	M528				C4															
CRD-PS-130/3039				B1T-GH32SS						A	B	256019	F	N	11	01								
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52											.17	CRD-HCU-3039+
02C12	2	A	1 3	A	M528				C4															
CRD-PS-130/3043				B1T-GH32SS						A	B	256019	F	N	11	01								
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52											.17	CRD-HCU-3043+
02C12	2	A	1 3	A	M528				C4															
CRD-PS-130/3047				B1T-GH32SS						A	B	256019	F	N	11	01								
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52											.17	CRD-HCU-3047+
02C12	2	A	1 3	A	M528				C4															
CRD-PS-130/3051				B1T-GH32SS						A	B	256019	F	N	11	01								
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52											.17	CRD-HCU-3051+
02C12	2	A	1 3	A	M528				C4															
CRD-PS-130/3055				B1T-GH32SS						A	B	256019	F	N	11	01								
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52											.17	CRD-HCU-3055+
02C12	2	A	1 3	A	M528				C4															
CRD-PS-130/3059				B1T-GH32SS						A	B	256019	F	N	11	01								
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52											.17	CRD-HCU-3059+
02C12	2	A	1 3	A	M528				C4															
CRD-PS-130/3403				B1T-GH32SS						A	B	256019	F	N	11	01								
ACCUM PRESS 970-940 PSIG DECREAS							R	522	L5/3.7			R53											.17	CRD-HCU-3403+
02C12	2	A	1 3	A	M528				C4															
CRD-PS-130/3407				B1T-GH32SS						A	B	256019	F	N	11	01								
ACCUM PRESS 970-940 PSIG DECREAS							R	522	L5/3.7			R53											.17	CRD-HCU-3407+
02C12	2	A	1 3	A	M528				C4															
CRD-PS-130/3411				B1T-GH32SS						A	B	256019	F	N	11	01								
ACCUM PRESS 970-940 PSIG DECREAS							R	522	L5/3.7			R53											.17	CRD-HCU-3411+
02C12	2	A	1 3	A	M528				C4															

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS / S E / DETAIL / A/E ZONE	QID	ZONE	TM	HL	ROOM	TEST	ANL	FO C	ACCURACY	FREQ	***SEISMIC (S) PARAMETERS*** / AGING	DBE	C	HOURS	*ENV. (E) PARAMETERS* / COMPOSITE EPN
CRD-PS-130/3415				B069	B1T-GH32SS				A B	256019		F	N		11	01								.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 L5/3.7			R53												CRD-HCU-3415+	
02C12	2	A	1 3	A		M528			C4															
CRD-PS-130/3419				B069	B1T-GH32SS				A B	256019		F	N		11	01								.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 L5/3.7			R53												CRD-HCU-3419+	
02C12	2	A	1 3	A		M528			C4															
CRD-PS-130/3423				B069	B1T-GH32SS				A B	256019		F	N		11	01								.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 L5/3.7			R53												CRD-HCU-3423+	
02C12	2	A	1 3	A		M528			C4															
CRD-PS-130/3427				B069	B1T-GH32SS				A B	256019		F	N		11	01								.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 L5/3.7			R53												CRD-HCU-3427+	
02C12	2	A	1 3	A		M528			C4															
CRD-PS-130/3431				B069	B1T-GH32SS				A B	256019		F	N		11	01								.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 K2/3.7			R52												CRD-HCU-3431+	
02C12	2	A	1 3	A		M528			C4															
CRD-PS-130/3435				B069	B1T-GH32SS				A B	256019		F	N		11	01								.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 K2/3.7			R52												CRD-HCU-3435+	
02C12	2	A	1 3	A		M528			C4															
CRD-PS-130/3439				B069	B1T-GH32SS				A B	256019		F	N		11	01								.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 K2/3.7			R52												CRD-HCU-3439+	
02C12	2	A	1 3	A		M528			C4															
CRD-PS-130/3443				B069	B1T-GH32SS				A B	256019		F	N		11	01								.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 K2/3.7			R52												CRD-HCU-3443+	
02C12	2	A	1 3	A		M528			C4															
CRD-PS-130/3447				B069	B1T-GH32SS				A B	256019		F	N		11	01								.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 K2/3.7			R52												CRD-HCU-3447+	
02C12	2	A	1 3	A		M528			C4															
CRD-PS-130/3451				B069	B1T-GH32SS				A B	256019		F	N		11	01								.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 K2/3.7			R52												CRD-HCU-3451+	
02C12	2	A	1 3	A		M528			C4															
CRD-PS-130/3455				B069	B1T-GH32SS				A B	256019		F	N		11	01								.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 K2/3.7			R52												CRD-HCU-3455+	
02C12	2	A	1 3	A		M528			C4															
CRD-PS-130/3459				B069	B1T-GH32SS				A B	256019		F	N		11	01								.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 K2/3.7			R52												CRD-HCU-3459+	
02C12	2	A	1 3	A		M528			C4															
CRD-PS-130/3803				B069	B1T-GH32SS				A B	256019		F	N		11	01								.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 L5/3.7			R53												CRD-HCU-3803+	
02C12	2	A	1 3	A		M528			C4															

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** / TM / HL TEST / ROOM	ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* / AGING / DBE / C / COMPOSITE EPN	HOURS
CRD-PS-130/3807			B069	B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/3.7		R53				CRD-HCU-3807+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/3811			B069	B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/3.7		R53				CRD-HCU-3811+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/3815			B069	B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/3.7		R53				CRD-HCU-3815+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/3819			B069	B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/3.7		R53				CRD-HCU-3819+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/3823			B069	B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/3.7		R53				CRD-HCU-3823+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/3827			B069	B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/3.7		R53				CRD-HCU-3827+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/3831			B069	B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7		R52				CRD-HCU-3831+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/3835			B069	B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7		R52				CRD-HCU-3835+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/3839			B069	B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7		R52				CRD-HCU-3839+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/3843			B069	B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7		R52				CRD-HCU-3843+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/3847			B069	B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7		R52				CRD-HCU-3847+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/3851			B069	B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7		R52				CRD-HCU-3851+	
02C12	2	A	1 3	A	M528		C4						
CRD-PS-130/3855			B069	B1T-GH32SS			A B	256019	F N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7		R52				CRD-HCU-3855+	
02C12	2	A	1 3	A	M528		C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST	ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE	C	HOURS
CRD-PS-130/3859				B1T-GH32SS	B069			A B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R 522 K2/3.7		R52					CRD-HCU-3859+			
02C12	2	A	1 3	A		M528		C4									
CRD-PS-130/4203				B1T-GH32SS	B069			A B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/3.7		R53					CRD-HCU-4203+			
02C12	2	A	1 3	A		M528		C4									
CRD-PS-130/4207				B1T-GH32SS	B069			A B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/3.7		R53					CRD-HCU-4207+			
02C12	2	A	1 3	A		M528		C4									
CRD-PS-130/4211				B1T-GH32SS	B069			A B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/3.7		R53					CRD-HCU-4211+			
02C12	2	A	1 3	A		M528		C4									
CRD-PS-130/4215				B1T-GH32SS	B069			A B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/3.7		R53					CRD-HCU-4215+			
02C12	2	A	1 3	A		M528		C4									
CRD-PS-130/4219				B1T-GH32SS	B069			A B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/3.7		R53					CRD-HCU-4219+			
02C12	2	A	1 3	A		M528		C4									
CRD-PS-130/4223				B1T-GH32SS	B069			A B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/3.7		R53					CRD-HCU-4223+			
02C12	2	A	1 3	A		M528		C4									
CRD-PS-130/4227				B1T-GH32SS	B069			A B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R 522 L5/3.7		R53					CRD-HCU-4227+			
02C12	2	A	1 3	A		M528		C4									
CRD-PS-130/4231				B1T-GH32SS	B069			A B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R 522 K2/3.7		R52					CRD-HCU-4231+			
02C12	2	A	1 3	A		M528		C4									
CRD-PS-130/4235				B1T-GH32SS	B069			A B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R 522 K2/3.7		R52					CRD-HCU-4235+			
02C12	2	A	1 3	A		M528		C4									
CRD-PS-130/4239				B1T-GH32SS	B069			A B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R 522 K2/3.7		R52					CRD-HCU-4239+			
02C12	2	A	1 3	A		M528		C4									
CRD-PS-130/4243				B1T-GH32SS	B069			A B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R 522 K2/3.7		R52					CRD-HCU-4243+			
02C12	2	A	1 3	A		M528		C4									
CRD-PS-130/4247				B1T-GH32SS	B069			A B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R 522 K2/3.7		R52					CRD-HCU-4247+			
02C12	2	A	1 3	A		M528		C4									

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM	HL / ROOM	TEST	ANL	FQ	C	FREQ	ACCURACY	ENV. (E) PARAMETERS AGING	DBE	C	HOURS	COMPOSITE EPN
CRD-PS-130/4251				B1T-GH32SS	B069					A	B	256019	F	N	11	01									.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52													CRD-HCU-4251+
02C12	2	A	1 3	A		M528			C4																
CRD-PS-130/4255				B1T-GH32SS	B069					A	B	256019	F	N	11	01									.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52													CRD-HCU-4255+
02C12	2	A	1 3	A		M528			C4																
CRD-PS-130/4259				B1T-GH32SS	B069					A	B	256019	F	N	11	01									.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52													CRD-HCU-4259+
02C12	2	A	1 3	A		M528			C4																
CRD-PS-130/4607				B1T-GH32SS	B069					A	B	256019	F	N	11	01									.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522	L5/3.7			R53													CRD-HCU-4607+
02C12	2	A	1 3	A		M528			C4																
CRD-PS-130/4611				B1T-GH32SS	B069					A	B	256019	F	N	11	01									.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522	L5/3.7			R53													CRD-HCU-4611+
02C12	2	A	1 3	A		M528			C4																
CRD-PS-130/4615				B1T-GH32SS	B069					A	B	256019	F	N	11	01									.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522	L5/3.7			R53													CRD-HCU-4615+
02C12	2	A	1 3	A		M528			C4																
CRD-PS-130/4619				B1T-GH32SS	B069					A	B	256019	F	N	11	01									.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522	L5/3.7			R53													CRD-HCU-4619+
02C12	2	A	1 3	A		M528			C4																
CRD-PS-130/4623				B1T-GH32SS	B069					A	B	256019	F	N	11	01									.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522	L5/3.7			R53													CRD-HCU-4623+
02C12	2	A	1 3	A		M528			C4																
CRD-PS-130/4627				B1T-GH32SS	B069					A	B	256019	F	N	11	01									.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522	L5/3.7			R53													CRD-HCU-4627+
02C12	2	A	1 3	A		M528			C4																
CRD-PS-130/4631				B1T-GH32SS	B069					A	B	256019	F	N	11	01									.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52													CRD-HCU-4631+
02C12	2	A	1 3	A		M528			C4																
CRD-PS-130/4635				B1T-GH32SS	B069					A	B	256019	F	N	11	01									.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52													CRD-HCU-4635+
02C12	2	A	1 3	A		M528			C4																
CRD-PS-130/4639				B1T-GH32SS	B069					A	B	256019	F	N	11	01									.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52													CRD-HCU-4639+
02C12	2	A	1 3	A		M528			C4																
CRD-PS-130/4643				B1T-GH32SS	B069					A	B	256019	F	N	11	01									.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522	K2/3.7			R52													CRD-HCU-4643+
02C12	2	A	1 3	A		M528			C4																

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TM	HL TEST / ROOM	ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE	C	HOURS
CRD-PS-130/4647				B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7			R52					CRD-HCU-4647+			
02C12	2	A	1 3	A	M528		C4										
CRD-PS-130/4651				B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7			R52					CRD-HCU-4651+			
02C12	2	A	1 3	A	M528		C4										
CRD-PS-130/4655				B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7			R52					CRD-HCU-4655+			
02C12	2	A	1 3	A	M528		C4										
CRD-PS-130/5011				B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/3.7			R53					CRD-HCU-5011+			
02C12	2	A	1 3	A	M528		C4										
CRD-PS-130/5015				B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/3.7			R53					CRD-HCU-5015+			
02C12	2	A	1 3	A	M528		C4										
CRD-PS-130/5019				B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/3.7			R53					CRD-HCU-5019+			
02C12	2	A	1 3	A	M528		C4										
CRD-PS-130/5023				B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/3.7			R53					CRD-HCU-5023+			
02C12	2	A	1 3	A	M528		C4										
CRD-PS-130/5027				B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 L5/3.7			R53					CRD-HCU-5027+			
02C12	2	A	1 3	A	M528		C4										
CRD-PS-130/5031				B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7			R52					CRD-HCU-5031+			
02C12	2	A	1 3	A	M528		C4										
CRD-PS-130/5035				B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7			R52					CRD-HCU-5035+			
02C12	2	A	1 3	A	M528		C4										
CRD-PS-130/5039				B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7			R52					CRD-HCU-5039+			
02C12	2	A	1 3	A	M528		C4										
CRD-PS-130/5043				B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7			R52					CRD-HCU-5043+			
02C12	2	A	1 3	A	M528		C4										
CRD-PS-130/5047				B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS					R	522 K2/3.7			R52					CRD-HCU-5047+			
02C12	2	A	1 3	A	M528		C4										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG ELEV / A/E DRAWING	STATUS / S F / DETAIL / A/E ZONE	QID / ZONE	TM / ROOM	HL TEST / ANL EQ C / ACCURACY	EREQ	*ENV. (E) PARAMETERS* AGING / DBE / COMPOSITE	C / EPN	HOURS
CRD-PS-130/5051					B069	B1T-GH32SS	A B	256019	F	N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522 K2/3.7		R52					CRD-HCU-5051+	
02C12	2	A	1 3	A	M528		C4							
CRD-PS-130/5415					B069	B1T-GH32SS	A B	256019	F	N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522 L5/3.7		R53					CRD-HCU-5415+	
02C12	2	A	1 3	A	M528		C4							
CRD-PS-130/5419					B069	B1T-GH32SS	A B	256019	F	N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522 L5/3.7		R53					CRD-HCU-5419+	
02C12	2	A	1 3	A	M528		C4							
CRD-PS-130/5423					B069	B1T-GH32SS	A B	256019	F	N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522 L5/3.7		R53					CRD-HCU-5423+	
02C12	2	A	1 3	A	M528		C4							
CRD-PS-130/5427					B069	B1T-GH32SS	A B	256019	F	N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522 L5/3.7		R53					CRD-HCU-5427+	
02C12	2	A	1 3	A	M528		C4							
CRD-PS-130/5431					B069	B1T-GH32SS	A B	256019	F	N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522 K2/3.7		R52					CRD-HCU-5431+	
02C12	2	A	1 3	A	M528		C4							
CRD-PS-130/5435					B069	B1T-GH32SS	A B	256019	F	N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522 K2/3.7		R52					CRD-HCU-5435+	
02C12	2	A	1 3	A	M528		C4							
CRD-PS-130/5439					B069	B1T-GH32SS	A B	256019	F	N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522 K2/3.7		R52					CRD-HCU-5439+	
02C12	2	A	1 3	A	M528		C4							
CRD-PS-130/5443					B069	B1T-GH32SS	A B	256019	F	N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522 K2/3.7		R52					CRD-HCU-5443+	
02C12	2	A	1 3	A	M528		C4							
CRD-PS-130/5447					B069	B1T-GH32SS	A B	256019	F	N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522 K2/3.7		R52					CRD-HCU-5447+	
02C12	2	A	1 3	A	M528		C4							
CRD-PS-130/5819					B069	B1T-GH32SS	A B	256019	F	N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522 L5/3.7		R53					CRD-HCU-5819+	
02C12	2	A	1 3	A	M528		C4							
CRD-PS-130/5823					B069	B1T-GH32SS	A B	256019	F	N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522 L5/3.7		R53					CRD-HCU-5823+	
02C12	2	A	1 3	A	M528		C4							
CRD-PS-130/5827					B069	B1T-GH32SS	A B	256019	F	N	11	01		.17
ACCUM PRESS 970-940 PSIG DECREAS						R 522 L5/3.7		R53					CRD-HCU-5827+	
02C12	2	A	1 3	A	M528		C4							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	TH	HL / ROOM	TEST	ANL FO C / ACCURACY	FREQ	ENV. (E) PARAMETERS / AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-PS-130/5831					B069	B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 K2/3.7			R52					CRD-HCU-5831+			
02C12	2	A	1 3	A		M528		C4											
CRD-PS-130/5835					B069	B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 K2/3.7			R52					CRD-HCU-5835+			
02C12	2	A	1 3	A		M528		C4											
CRD-PS-130/5839					B069	B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 K2/3.7			R52					CRD-HCU-5839+			
02C12	2	A	1 3	A		M528		C4											
CRD-PS-130/5843					B069	B1T-GH32SS			A	B	256019	F	N	11	01				.17
ACCUM PRESS 970-940 PSIG DECREAS							R	522 K2/3.7			R52					CRD-HCU-5843+			
02C12	2	A	1 3	A		M528		C4											
CRD-PT-52									P	P	259001								.17
PRESSURE TRANSMITTER AIR SUP.							R	526 H.8/3.8			R53					CRD-IR-3+			
02	2	A	2 0	G		M528		D12											
CRD-SV-117/0219					A610	HVA904052-J			A	A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4								CRD-HCU-0219+			
02C12	2	A	1 3	A		M528		D2											
CRD-SV-117/0223					A610	HVA904052-J			A	A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4								CRD-HCU-0223+			
02C12	2	A	1 3	A		M528		D2											
CRD-SV-117/0227					A610	HVA904052-J			A	A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4								CRD-HCU-0227+			
02C12	2	A	1 3	A		M528		D2											
CRD-SV-117/0231					A610	HVA904052-J			A	A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4								CRD-HCU-0231+			
02C12	2	A	1 3	A		M528		D2											
CRD-SV-117/0235					A610	HVA904052-J			A	A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4								CRD-HCU-0235+			
02C12	2	A	1 3	A		M528		D2											
CRD-SV-117/0239					A610	HVA904052-J			A	A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4								CRD-HCU-0239+			
02C12	2	A	1 3	A		M528		D2											
CRD-SV-117/0243					A610	HVA904052-J			A	A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4								CRD-HCU-0243+			
02C12	2	A	1 3	A		M528		D2											
CRD-SV-117/0615					A610	HVA904052-J			A	A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4								CRD-HCU-0615+			
02C12	2	A	1 3	A		M528		D2											

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	DETAIL	STATUS S E	QID	ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-117/0619			A610		HVA904052-J				A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4						CRD-HCU-0619+	
02C12	2	A	1 3	A		M528		D2							
CRD-SV-117/0623			A610		HVA904052-J				A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4						CRD-HCU-0623+	
02C12	2	A	1 3	A		M528		D2							
CRD-SV-117/0627			A610		HVA904052-J				A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4						CRD-HCU-0627+	
02C12	2	A	1 3	A		M528		D2							
CRD-SV-117/0631			A610		HVA904052-J				A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4						CRD-HCU-0631+	
02C12	2	A	1 3	A		M528		D2							
CRD-SV-117/0635			A610		HVA904052-J				A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4						CRD-HCU-0635+	
02C12	2	A	1 3	A		M528		D2							
CRD-SV-117/0639			A610		HVA904052-J				A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4						CRD-HCU-0639+	
02C12	2	A	1 3	A		M528		D2							
CRD-SV-117/0643			A610		HVA904052-J				A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4						CRD-HCU-0643+	
02C12	2	A	1 3	A		M528		D2							
CRD-SV-117/0647			A610		HVA904052-J				A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4						CRD-HCU-0647+	
02C12	2	A	1 3	A		M528		D2							
CRD-SV-117/1011			A610		HVA904052-J				A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4						CRD-HCU-1011+	
02C12	2	A	1 3	A		M528		D2							
CRD-SV-117/1015			A610		HVA904052-J				A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4						CRD-HCU-1015+	
02C12	2	A	1 3	A		M528		D2							
CRD-SV-117/1019			A610		HVA904052-J				A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4						CRD-HCU-1019+	
02C12	2	A	1 3	A		M528		D2							
CRD-SV-117/1023			A610		HVA904052-J				A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4						CRD-HCU-1023+	
02C12	2	A	1 3	A		M528		D2							
CRD-SV-117/1027			A610		HVA904052-J				A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4						CRD-HCU-1027+	
02C12	2	A	1 3	A		M528		D2							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS / S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** / TM / HL TEST / ROOM	ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* / AGING / DBE / C / COMPOSITE EPN	HOURS
CRD-SV-117/1031			A610		HVA904052-J		A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4					CRD-HCU-1031+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1035			A610		HVA904052-J		A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4					CRD-HCU-1035+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1039			A610		HVA904052-J		A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4					CRD-HCU-1039+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1043			A610		HVA904052-J		A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4					CRD-HCU-1043+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1047			A610		HVA904052-J		A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4					CRD-HCU-1047+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1051			A610		HVA904052-J		A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4					CRD-HCU-1051+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1407			A610		HVA904052-J		A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4					CRD-HCU-1407+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1411			A610		HVA904052-J		A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4					CRD-HCU-1411+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1415			A610		HVA904052-J		A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4					CRD-HCU-1415+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1419			A610		HVA904052-J		A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4					CRD-HCU-1419+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1423			A610		HVA904052-J		A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4					CRD-HCU-1423+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1427			A610		HVA904052-J		A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4					CRD-HCU-1427+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1431			A610		HVA904052-J		A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4					CRD-HCU-1431+	
02C12	2	A	1 3	A	M528		D2						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN	
CRD-SV-117/1435			A610		HVA904052-J			A A	315020				
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-1435+	1.0
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1439			A610		HVA904052-J			A A	315020				
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-1439+	1.0
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1443			A610		HVA904052-J			A A	315020				
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-1443+	1.0
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1447			A610		HVA904052-J			A A	315020				
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-1447+	1.0
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1451			A610		HVA904052-J			A A	315020				
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-1451+	1.0
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1455			A610		HVA904052-J			A A	315020				
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-1455+	1.0
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1803			A610		HVA904052-J			A A	315020				
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-1803+	1.0
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1807			A610		HVA904052-J			A A	315020				
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-1807+	1.0
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1811			A610		HVA904052-J			A A	315020				
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-1811+	1.0
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1815			A610		HVA904052-J			A A	315020				
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-1815+	1.0
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1819			A610		HVA904052-J			A A	315020				
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-1819+	1.0
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1823			A610		HVA904052-J			A A	315020				
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-1823+	1.0
02C12	2	A	1 3	A	M528		D2						
CRD-SV-117/1827			A610		HVA904052-J			A A	315020				
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-1827+	1.0
02C12	2	A	1 3	A	M528		D2						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	TM / ROOM	HL TEST / ANL	FO C / ACCURACY	FREQ	ENV. (E) PARAMETERS / AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-SV-117/1831			A610		HVA904052-J			A	A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4							CRD-HCU-1831+			
02C12	2	A	1 3	A	M528		D2										
CRD-SV-117/1835			A610		HVA904052-J			A	A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4							CRD-HCU-1835+			
02C12	2	A	1 3	A	M528		D2										
CRD-SV-117/1839			A610		HVA904052-J			A	A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4							CRD-HCU-1839+			
02C12	2	A	1 3	A	M528		D2										
CRD-SV-117/1843			A610		HVA904052-J			A	A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4							CRD-HCU-1843+			
02C12	2	A	1 3	A	M528		D2										
CRD-SV-117/1847			A610		HVA904052-J			A	A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4							CRD-HCU-1847+			
02C12	2	A	1 3	A	M528		D2										
CRD-SV-117/1851			A610		HVA904052-J			A	A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4							CRD-HCU-1851+			
02C12	2	A	1 3	A	M528		D2										
CRD-SV-117/1855			A610		HVA904052-J			A	A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4							CRD-HCU-1855+			
02C12	2	A	1 3	A	M528		D2										
CRD-SV-117/1859			A610		HVA904052-J			A	A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4							CRD-HCU-1859+			
02C12	2	A	1 3	A	M528		D2										
CRD-SV-117/2203			A610		HVA904052-J			A	A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4							CRD-HCU-2203+			
02C12	2	A	1 3	A	M528		D2										
CRD-SV-117/2207			A610		HVA904052-J			A	A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4							CRD-HCU-2207+			
02C12	2	A	1 3	A	M528		D2										
CRD-SV-117/2211			A610		HVA904052-J			A	A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4							CRD-HCU-2211+			
02C12	2	A	1 3	A	M528		D2										
CRD-SV-117/2215			A610		HVA904052-J			A	A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4							CRD-HCU-2215+			
02C12	2	A	1 3	A	M528		D2										
CRD-SV-117/2219			A610		HVA904052-J			A	A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4							CRD-HCU-2219+			
02C12	2	A	1 3	A	M528		D2										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM	HL	TEST	ANL	FQ	C	FREQ	ACCURACY	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS	COMPOSITE EPN
CRD-SV-117/2223			A610		HVA904052-J					A	A	315020													1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4												CRD-HCU-2223+				
02C12	2	A	1 3	A		M528			D2																
CRD-SV-117/2227			A610		HVA904052-J					A	A	315020													1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4												CRD-HCU-2227+				
02C12	2	A	1 3	A		M528			D2																
CRD-SV-117/2231			A610		HVA904052-J					A	A	315020													1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4												CRD-HCU-2231+				
02C12	2	A	1 3	A		M528			D2																
CRD-SV-117/2235			A610		HVA904052-J					A	A	315020													1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4												CRD-HCU-2235+				
02C12	2	A	1 3	A		M528			D2																
CRD-SV-117/2239			A610		HVA904052-J					A	A	315020													1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4												CRD-HCU-2239+				
02C12	2	A	1 3	A		M528			D2																
CRD-SV-117/2243			A610		HVA904052-J					A	A	315020													1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4												CRD-HCU-2243+				
02C12	2	A	1 3	A		M528			D2																
CRD-SV-117/2247			A610		HVA904052-J					A	A	315020													1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4												CRD-HCU-2247+				
02C12	2	A	1 3	A		M528			D2																
CRD-SV-117/2251			A610		HVA904052-J					A	A	315020													1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4												CRD-HCU-2251+				
02C12	2	A	1 3	A		M528			D2																
CRD-SV-117/2255			A610		HVA904052-J					A	A	315020													1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4												CRD-HCU-2255+				
02C12	2	A	1 3	A		M528			D2																
CRD-SV-117/2259			A610		HVA904052-J					A	A	315020													1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4												CRD-HCU-2259+				
02C12	2	A	1 3	A		M528			D2																
CRD-SV-117/2603			A610		HVA904052-J					A	A	315020													1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4												CRD-HCU-2603+				
02C12	2	A	1 3	A		M528			D2																
CRD-SV-117/2607			A610		HVA904052-J					A	A	315020													1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4												CRD-HCU-2607+				
02C12	2	A	1 3	A		M528			D2																
CRD-SV-117/2611			A610		HVA904052-J					A	A	315020													1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4												CRD-HCU-2611+				
02C12	2	A	1 3	A		M528			D2																

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM	HL	TEST	ANL	FO	C	ROOM	ACCURACY	FREQ	AGING	DBE	C	HOURS	COMPOSITE EPN
CRD-SV-117/2615			A610		HVA904052-J					A	A	315020														1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4													CRD-HCU-2615+				
02C12	2	A	1 3	A		M528			D2																	
CRD-SV-117/2619			A610		HVA904052-J					A	A	315020														1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4													CRD-HCU-2619+				
02C12	2	A	1 3	A		M528			D2																	
CRD-SV-117/2623			A610		HVA904052-J					A	A	315020														1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4													CRD-HCU-2623+				
02C12	2	A	1 3	A		M528			D2																	
CRD-SV-117/2627			A610		HVA904052-J					A	A	315020														1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4													CRD-HCU-2627+				
02C12	2	A	1 3	A		M528			D2																	
CRD-SV-117/2631			A610		HVA904052-J					A	A	315020														1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4													CRD-HCU-2631+				
02C12	2	A	1 3	A		M528			D2																	
CRD-SV-117/2635			A610		HVA904052-J					A	A	315020														1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4													CRD-HCU-2635+				
02C12	2	A	1 3	A		M528			D2																	
CRD-SV-117/2639			A610		HVA904052-J					A	A	315020														1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4													CRD-HCU-2639+				
02C12	2	A	1 3	A		M528			D2																	
CRD-SV-117/2643			A610		HVA904052-J					A	A	315020														1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4													CRD-HCU-2643+				
02C12	2	A	1 3	A		M528			D2																	
CRD-SV-117/2647			A610		HVA904052-J					A	A	315020														1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4													CRD-HCU-2647+				
02C12	2	A	1 3	A		M528			D2																	
CRD-SV-117/2651			A610		HVA904052-J					A	A	315020														1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4													CRD-HCU-2651+				
02C12	2	A	1 3	A		M528			D2																	
CRD-SV-117/2655			A610		HVA904052-J					A	A	315020														1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4													CRD-HCU-2655+				
02C12	2	A	1 3	A		M528			D2																	
CRD-SV-117/2659			A610		HVA904052-J					A	A	315020														1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4													CRD-HCU-2659+				
02C12	2	A	1 3	A		M528			D2																	
CRD-SV-117/3003			A610		HVA904052-J					A	A	315020														1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4													CRD-HCU-3003+				
02C12	2	A	1 3	A		M528			D2																	

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL	A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TH HL TEST ANL EQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-117/3007			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-3007+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3011			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-3011+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3015			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-3015+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3019			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-3019+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3023			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-3023+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3027			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-3027+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3031			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-3031+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3035			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-3035+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3039			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-3039+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3043			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-3043+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3047			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-3047+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3051			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-3051+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3055			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-3055+	
02C12	2	A	1 3	A		M528		D2					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM	HL	TEST	ANL	FO	C	FREQ	***SEISMIC (S) PARAMETERS*** / ROOM / ACCURACY	*ENV. (E) PARAMETERS* / AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-SV-117/3059			A610		HVA904052-J					A	A	315020												1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4												CRD-HCU-3059+			
02C12	2	A	1 3	A		M528			D2															
CRD-SV-117/3403			A610		HVA904052-J					A	A	315020												1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4												CRD-HCU-3403+			
02C12	2	A	1 3	A		M528			D2															
CRD-SV-117/3407			A610		HVA904052-J					A	A	315020												1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4												CRD-HCU-3407+			
02C12	2	A	1 3	A		M528			D2															
CRD-SV-117/3411			A610		HVA904052-J					A	A	315020												1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4												CRD-HCU-3411+			
02C12	2	A	1 3	A		M528			D2															
CRD-SV-117/3415			A610		HVA904052-J					A	A	315020												1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4												CRD-HCU-3415+			
02C12	2	A	1 3	A		M528			D2															
CRD-SV-117/3419			A610		HVA904052-J					A	A	315020												1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4												CRD-HCU-3419+			
02C12	2	A	1 3	A		M528			D2															
CRD-SV-117/3423			A610		HVA904052-J					A	A	315020												1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4												CRD-HCU-3423+			
02C12	2	A	1 3	A		M528			D2															
CRD-SV-117/3427			A610		HVA904052-J					A	A	315020												1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4												CRD-HCU-3427+			
02C12	2	A	1 3	A		M528			D2															
CRD-SV-117/3431			A610		HVA904052-J					A	A	315020												1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4												CRD-HCU-3431+			
02C12	2	A	1 3	A		M528			D2															
CRD-SV-117/3435			A610		HVA904052-J					A	A	315020												1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4												CRD-HCU-3435+			
02C12	2	A	1 3	A		M528			D2															
CRD-SV-117/3439			A610		HVA904052-J					A	A	315020												1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4												CRD-HCU-3439+			
02C12	2	A	1 3	A		M528			D2															
CRD-SV-117/3443			A610		HVA904052-J					A	A	315020												1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4												CRD-HCU-3443+			
02C12	2	A	1 3	A		M528			D2															
CRD-SV-117/3447			A610		HVA904052-J					A	A	315020												1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4												CRD-HCU-3447+			
02C12	2	A	1 3	A		M528			D2															

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG DRAWING	ELEV	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM	HL TEST / ROOM	ANL	FQ	C	FREQ / ACCURACY	AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-SV-117/3451			A610		HVA904052-J				A	A	315020										1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4													
02C12	2	A	1 3	A		M528		D2													CRD-HCU-3451+
CRD-SV-117/3455			A610		HVA904052-J				A	A	315020										1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4													
02C12	2	A	1 3	A		M528		D2													CRD-HCU-3455+
CRD-SV-117/3459			A610		HVA904052-J				A	A	315020										1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4													
02C12	2	A	1 3	A		M528		D2													CRD-HCU-3459+
CRD-SV-117/3803			A610		HVA904052-J				A	A	315020										1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4													
02C12	2	A	1 3	A		M528		D2													CRD-HCU-3803+
CRD-SV-117/3807			A610		HVA904052-J				A	A	315020										1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4													
02C12	2	A	1 3	A		M528		D2													CRD-HCU-3807+
CRD-SV-117/3811			A610		HVA904052-J				A	A	315020										1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4													
02C12	2	A	1 3	A		M528		D2													CRD-HCU-3811+
CRD-SV-117/3815			A610		HVA904052-J				A	A	315020										1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4													
02C12	2	A	1 3	A		M528		D2													CRD-HCU-3815+
CRD-SV-117/3819			A610		HVA904052-J				A	A	315020										1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4													
02C12	2	A	1 3	A		M528		D2													CRD-HCU-3819+
CRD-SV-117/3823			A610		HVA904052-J				A	A	315020										1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4													
02C12	2	A	1 3	A		M528		D2													CRD-HCU-3823+
CRD-SV-117/3827			A610		HVA904052-J				A	A	315020										1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4													
02C12	2	A	1 3	A		M528		D2													CRD-HCU-3827+
CRD-SV-117/3831			A610		HVA904052-J				A	A	315020										1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4													
02C12	2	A	1 3	A		M528		D2													CRD-HCU-3831+
CRD-SV-117/3835			A610		HVA904052-J				A	A	315020										1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4													
02C12	2	A	1 3	A		M528		D2													CRD-HCU-3835+
CRD-SV-117/3839			A610		HVA904052-J				A	A	315020										1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4													
02C12	2	A	1 3	A		M528		D2													CRD-HCU-3839+

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-117/3843			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R 522	K2/8.4				CRD-HCU-3843+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3847			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R 522	K2/8.4				CRD-HCU-3847+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3851			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R 522	K2/8.4				CRD-HCU-3851+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3855			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R 522	K2/8.4				CRD-HCU-3855+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/3859			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R 522	K2/8.4				CRD-HCU-3859+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/4203			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R 522	L5/8.4				CRD-HCU-4203+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/4207			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R 522	L5/8.4				CRD-HCU-4207+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/4211			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R 522	L5/8.4				CRD-HCU-4211+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/4215			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R 522	L5/8.4				CRD-HCU-4215+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/4219			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R 522	L5/8.4				CRD-HCU-4219+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/4223			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R 522	L5/8.4				CRD-HCU-4223+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/4227			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R 522	L5/8.4				CRD-HCU-4227+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/4231			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R 522	K2/8.4				CRD-HCU-4231+	
02C12	2	A	1 3	A		M528		D2					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID	ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-117/4235			A610		HVA904052-J		A A	315020					
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4						CRD-HCU-4235+	1.0
02C12	2	A	1 3	A	M528	D2							
CRD-SV-117/4239			A610		HVA904052-J		A A	315020					
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4						CRD-HCU-4239+	1.0
02C12	2	A	1 3	A	M528	D2							
CRD-SV-117/4243			A610		HVA904052-J		A A	315020					
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4						CRD-HCU-4243+	1.0
02C12	2	A	1 3	A	M528	D2							
CRD-SV-117/4247			A610		HVA904052-J		A A	315020					
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4						CRD-HCU-4247+	1.0
02C12	2	A	1 3	A	M528	D2							
CRD-SV-117/4251			A610		HVA904052-J		A A	315020					
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4						CRD-HCU-4251+	1.0
02C12	2	A	1 3	A	M528	D2							
CRD-SV-117/4259			A610		HVA904052-J		A A	315020					
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4						CRD-HCU-4259+	1.0
02C12	2	A	1 3	A	M528	D2							
CRD-SV-117/4607			A610		HVA904052-J		A A	315020					
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4						CRD-HCU-4607+	1.0
02C12	2	A	1 3	A	M528	D2							
CRD-SV-117/4611			A610		HVA904052-J		A A	315020					
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4						CRD-HCU-4611+	1.0
02C12	2	A	1 3	A	M528	D2							
CRD-SV-117/4615			A610		HVA904052-J		A A	315020					
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4						CRD-HCU-4615+	1.0
02C12	2	A	1 3	A	M528	D2							
CRD-SV-117/4619			A610		HVA904052-J		A A	315020					
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4						CRD-HCU-4619+	1.0
02C12	2	A	1 3	A	M528	D2							
CRD-SV-117/4623			A610		HVA904052-J		A A	315020					
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4						CRD-HCU-4623+	1.0
02C12	2	A	1 3	A	M528	D2							
CRD-SV-117/4627			A610		HVA904052-J		A A	315020					
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4						CRD-HCU-4627+	1.0
02C12	2	A	1 3	A	M528	D2							
CRD-SV-117/4631			A610		HVA904052-J		A A	315020					
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4						CRD-HCU-4631+	1.0
02C12	2	A	1 3	A	M528	D2							

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-117/4635			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-4635+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/4639			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-4639+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/4643			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-4643+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/4647			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-4647+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/4651			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-4651+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/4655			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-4655+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/5011			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4				CRD-HCU-5011+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/5015			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4				CRD-HCU-5015+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/5019			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4				CRD-HCU-5019+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/5023			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4				CRD-HCU-5023+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/5027			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4				CRD-HCU-5027+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/5031			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-5031+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/5035			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-5035+	
02C12	2	A	1 3	A	M528		D2					

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL	A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	***SEISMIC (S) PARAMETERS*** AGING OBE C / COMPOSITE EPN	*ENV. (E) PARAMETERS* HOURS
CRD-SV-117/5039			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-5039+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/5043			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-5043+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/5047			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-5047+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/5051			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-5051+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/5415			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-5415+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/5419			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-5419+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/5423			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-5423+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/5427			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 L5/8.4					CRD-HCU-5427+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/5431			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-5431+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/5435			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-5435+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/5439			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-5439+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/5443			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-5443+	
02C12	2	A	1 3	A		M528		D2					
CRD-SV-117/5447			A610		HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522 K2/8.4					CRD-HCU-5447+	
02C12	2	A	1 3	A		M528		D2					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS / S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** / TM HL TEST ANL FO C / ROOM / ACCURACY	FREQ	*ENV. (E) PARAMETERS* / AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-117/5819			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4				CRD-HCU-5819+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/5823			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4				CRD-HCU-5823+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/5827			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4				CRD-HCU-5827+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/5831			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-5831+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/5835			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-5835+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/5839			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-5839+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-117/5843			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-5843+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-1174255			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-4255	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-118/0219			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4				CRD-HCU-0219+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-118/0223			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4				CRD-HCU-0223+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-118/0227			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4				CRD-HCU-0227+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-118/0231			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4				CRD-HCU-0231+	
02C12	2	A	1 3	A	M528		D2					
CRD-SV-118/0235			A610		HVA904052-J		A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4				CRD-HCU-0235+	
02C12	2	A	1 3	A	M528		D2					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM	HL / ROOM	TEST	ANL	FO	C / ACCURACY	FREQ	ENV. (E) PARAMETERS / AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-SV-118/0239			A610		HVA904052-J					A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4														
02C12	2	A	1 3	A		M528			D2											CRD-HCU-0239+			
CRD-SV-118/0243			A610		HVA904052-J					A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4														
02C12	2	A	1 3	A		M528			D2											CRD-HCU-0243+			
CRD-SV-118/0615			A610		HVA904052-J					A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4														
02C12	2	A	1 3	A		M528			D2											CRD-HCU-0615+			
CRD-SV-118/0619			A610		HVA904052-J					A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4														
02C12	2	A	1 3	A		M528			D2											CRD-HCU-0619+			
CRD-SV-118/0623			A610		HVA904052-J					A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4														
02C12	2	A	1 3	A		M528			D2											CRD-HCU-0623+			
CRD-SV-118/0627			A610		HVA904052-J					A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4														
02C12	2	A	1 3	A		M528			D2											CRD-HCU-0627+			
CRD-SV-118/0631			A610		HVA904052-J					A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4														
02C12	2	A	1 3	A		M528			D2											CRD-HCU-0631+			
CRD-SV-118/0635			A610		HVA904052-J					A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4														
02C12	2	A	1 3	A		M528			D2											CRD-HCU-0635+			
CRD-SV-118/0639			A610		HVA904052-J					A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4														
02C12	2	A	1 3	A		M528			D2											CRD-HCU-0639+			
CRD-SV-118/0643			A610		HVA904052-J					A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4														
02C12	2	A	1 3	A		M528			D2											CRD-HCU-0643+			
CRD-SV-118/0647			A610		HVA904052-J					A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4														
02C12	2	A	1 3	A		M528			D2											CRD-HCU-0647+			
CRD-SV-118/1011			A610		HVA904052-J					A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4														
02C12	2	A	1 3	A		M528			D2											CRD-HCU-1011+			
CRD-SV-118/1015			A610		HVA904052-J					A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4														
02C12	2	A	1 3	A		M528			D2											CRD-HCU-1015+			

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-118/1019			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1019+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1023			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1023+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1027			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1027+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1031			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1031+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1035			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-1035+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1039			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-1039+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1043			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-1043+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1047			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-1047+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1051			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-1051+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1407			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1407+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1411			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1411+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1415			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1415+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1419			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1419+	
02C12	2	A	1 3	A	M528	D2						

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TH HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-118/1423			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1423+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1427			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1427+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1431			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1431+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1435			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-1435+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1439			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-1439+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1443			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-1443+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1447			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-1447+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1451			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-1451+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1455			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-1455+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1803			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1803+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1807			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1807+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1811			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1811+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/1815			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-1815+	
02C12	2	A	1 3	A	M528	D2						

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST / ANL	FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
CRD-SV-118/1819			A610		HVA904052-J		A A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4						CRD-HCU-1819+		
02C12	2	A	1 3	A	M528		D2								
CRD-SV-118/1823			A610		HVA904052-J		A A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4						CRD-HCU-1823+		
02C12	2	A	1 3	A	M528		D2								
CRD-SV-118/1827			A610		HVA904052-J		A A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4						CRD-HCU-1827+		
02C12	2	A	1 3	A	M528		D2								
CRD-SV-118/1831			A610		HVA904052-J		A A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4						CRD-HCU-1831+		
02C12	2	A	1 3	A	M528		D2								
CRD-SV-118/1835			A610		HVA904052-J		A A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4						CRD-HCU-1835+		
02C12	2	A	1 3	A	M528		D2								
CRD-SV-118/1839			A610		HVA904052-J		A A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4						CRD-HCU-1839+		
02C12	2	A	1 3	A	M528		D2								
CRD-SV-118/1843			A610		HVA904052-J		A A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4						CRD-HCU-1843+		
02C12	2	A	1 3	A	M528		D2								
CRD-SV-118/1847			A610		HVA904052-J		A A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4						CRD-HCU-1847+		
02C12	2	A	1 3	A	M528		D2								
CRD-SV-118/1851			A610		HVA904052-J		A A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4						CRD-HCU-1851+		
02C12	2	A	1 3	A	M528		D2								
CRD-SV-118/1855			A610		HVA904052-J		A A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4						CRD-HCU-1855+		
02C12	2	A	1 3	A	M528		D2								
CRD-SV-118/1859			A610		HVA904052-J		A A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	K2/8.4						CRD-HCU-1859+		
02C12	2	A	1 3	A	M528		D2								
CRD-SV-118/2203			A610		HVA904052-J		A A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4						CRD-HCU-2203+		
02C12	2	A	1 3	A	M528		D2								
CRD-SV-118/2207			A610		HVA904052-J		A A	315020							1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522	L5/8.4						CRD-HCU-2207+		
02C12	2	A	1 3	A	M528		D2								

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM	HL	TEST	ANL	EQ	C	FREQ	ACCURACY	ENV. (E) PARAMETERS / AGING	DBE	C	HOURS	COMPOSITE EPN
CRD-SV-118/2211			A610		HVA904052-J					A	A	315020												1.0	
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4																CRD-HCU-2211+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/2215			A610		HVA904052-J					A	A	315020												1.0	
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4																CRD-HCU-2215+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/2219			A610		HVA904052-J					A	A	315020												1.0	
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4																CRD-HCU-2219+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/2223			A610		HVA904052-J					A	A	315020												1.0	
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4																CRD-HCU-2223+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/2227			A610		HVA904052-J					A	A	315020												1.0	
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4																CRD-HCU-2227+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/2231			A610		HVA904052-J					A	A	315020												1.0	
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4																CRD-HCU-2231+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/2235			A610		HVA904052-J					A	A	315020												1.0	
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4																CRD-HCU-2235+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/2239			A610		HVA904052-J					A	A	315020												1.0	
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4																CRD-HCU-2239+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/2243			A610		HVA904052-J					A	A	315020												1.0	
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4																CRD-HCU-2243+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/2247			A610		HVA904052-J					A	A	315020												1.0	
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4																CRD-HCU-2247+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/2251			A610		HVA904052-J					A	A	315020												1.0	
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4																CRD-HCU-2251+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/2255			A610		HVA904052-J					A	A	315020												1.0	
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4																CRD-HCU-2255+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/2259			A610		HVA904052-J					A	A	315020												1.0	
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4																CRD-HCU-2259+
02C12	2	A	1 3	A		M528			D2																

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-118/2603			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-2603+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/2607			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-2607+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/2611			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-2611+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/2615			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-2615+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/2619			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-2619+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/2623			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-2623+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/2627			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-2627+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/2631			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 L5/8.4					CRD-HCU-2631+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/2635			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-2635+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/2639			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-2639+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/2643			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-2643+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/2647			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-2647+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/2651			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127					R	522 K2/8.4					CRD-HCU-2651+	
02C12	2	A	1 3	A	M528	D2						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS / DETAIL	S	E	QID / ZONE	TM	HL	TEST	ANL	EQ	C	FREQ	ENV. (E) PARAMETERS / AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-SV-118/2655					A610	HVA904052-J			A/E ZONE	A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4											CRD-HCU-2655+			
02C12	2	A	1 3	A		M528			D2														
CRD-SV-118/2659					A610	HVA904052-J				A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4											CRD-HCU-2659+			
02C12	2	A	1 3	A		M528			D2														
CRD-SV-118/3003					A610	HVA904052-J				A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4											CRD-HCU-3003+			
02C12	2	A	1 3	A		M528			D2														
CRD-SV-118/3007					A610	HVA904052-J				A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4											CRD-HCU-3007+			
02C12	2	A	1 3	A		M528			D2														
CRD-SV-118/3011					A610	HVA904052-J				A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4											CRD-HCU-3011+			
02C12	2	A	1 3	A		M528			D2														
CRD-SV-118/3015					A610	HVA904052-J				A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4											CRD-HCU-3015+			
02C12	2	A	1 3	A		M528			D2														
CRD-SV-118/3019					A610	HVA904052-J				A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4											CRD-HCU-3019+			
02C12	2	A	1 3	A		M528			D2														
CRD-SV-118/3023					A610	HVA904052-J				A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4											CRD-HCU-3023+			
02C12	2	A	1 3	A		M528			D2														
CRD-SV-118/3027					A610	HVA904052-J				A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4											CRD-HCU-3027+			
02C12	2	A	1 3	A		M528			D2														
CRD-SV-118/3031					A610	HVA904052-J				A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4											CRD-HCU-3031+			
02C12	2	A	1 3	A		M528			D2														
CRD-SV-118/3035					A610	HVA904052-J				A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4											CRD-HCU-3035+			
02C12	2	A	1 3	A		M528			D2														
CRD-SV-118/3039					A610	HVA904052-J				A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4											CRD-HCU-3039+			
02C12	2	A	1 3	A		M528			D2														
CRD-SV-118/3043					A610	HVA904052-J				A	A	315020											1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4											CRD-HCU-3043+			
02C12	2	A	1 3	A		M528			D2														

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-118/3047			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4					CRD-HCU-3047+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/3051			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4					CRD-HCU-3051+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/3055			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4					CRD-HCU-3055+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/3059			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4					CRD-HCU-3059+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/3403			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4					CRD-HCU-3403+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/3407			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4					CRD-HCU-3407+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/3411			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4					CRD-HCU-3411+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/3415			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4					CRD-HCU-3415+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/3419			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4					CRD-HCU-3419+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/3423			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4					CRD-HCU-3423+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/3427			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4					CRD-HCU-3427+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/3431			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4					CRD-HCU-3431+	
02C12	2	A	1 3	A	M528	D2						
CRD-SV-118/3435			A610	HVA904052-J			A A	315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4					CRD-HCU-3435+	
02C12	2	A	1 3	A	M528	D2						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS / DETAIL	S	E	QID / ZONE	TM	HL	TEST	ANL	FO	C	FREQ	ACCURACY	ENV. (E) PARAMETERS / AGING	DBE	C	HOURS	COMPOSITE EPN
CRD-SV-118/3439					A610	HVA904052-J				A	A	315020													
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4															1.0	CRD-HCU-3439+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/3443					A610	HVA904052-J				A	A	315020													
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4															1.0	CRD-HCU-3443+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/3447					A610	HVA904052-J				A	A	315020													
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4															1.0	CRD-HCU-3447+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/3451					A610	HVA904052-J				A	A	315020													
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4															1.0	CRD-HCU-3451+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/3455					A610	HVA904052-J				A	A	315020													
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4															1.0	CRD-HCU-3455+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/3459					A610	HVA904052-J				A	A	315020													
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	K2/8.4															1.0	CRD-HCU-3459+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/3803					A610	HVA904052-J				A	A	315020													
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4															1.0	CRD-HCU-3803+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/3807					A610	HVA904052-J				A	A	315020													
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4															1.0	CRD-HCU-3807+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/3811					A610	HVA904052-J				A	A	315020													
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4															1.0	CRD-HCU-3811+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/3815					A610	HVA904052-J				A	A	315020													
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4															1.0	CRD-HCU-3815+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/3819					A610	HVA904052-J				A	A	315020													
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4															1.0	CRD-HCU-3819+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/3823					A610	HVA904052-J				A	A	315020													
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4															1.0	CRD-HCU-3823+
02C12	2	A	1 3	A		M528			D2																
CRD-SV-118/3827					A610	HVA904052-J				A	A	315020													
SCRAM SOLENOID PILOT CRD-V-126&127							R	522	L5/8.4															1.0	CRD-HCU-3827+
02C12	2	A	1 3	A		M528			D2																

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG DRAWING	ELEV	STATUS S E / DETAIL / A/E ZONE	QID	ZONE	***SEISMIC (S) PARAMETERS*** TM / HL ROOM	TEST	ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE	C	HOURS
CRD-SV-118/3831			A610	HVA904052-J				A A	315020									1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4							CRD-HCU-3831+			
02C12	2	A	1 3	A	M528			D2										
CRD-SV-118/3835			A610	HVA904052-J				A A	315020									1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4							CRD-HCU-3835+			
02C12	2	A	1 3	A	M528			D2										
CRD-SV-118/3839			A610	HVA904052-J				A A	315020									1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4							CRD-HCU-3839+			
02C12	2	A	1 3	A	M528			D2										
CRD-SV-118/3843			A610	HVA904052-J				A A	315020									1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4							CRD-HCU-3843+			
02C12	2	A	1 3	A	M528			D2										
CRD-SV-118/3847			A610	HVA904052-J				A A	315020									1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4							CRD-HCU-3847+			
02C12	2	A	1 3	A	M528			D2										
CRD-SV-118/3851			A610	HVA904052-J				A A	315020									1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4							CRD-HCU-3851+			
02C12	2	A	1 3	A	M528			D2										
CRD-SV-118/3855			A610	HVA904052-J				A A	315020									1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4							CRD-HCU-3855+			
02C12	2	A	1 3	A	M528			D2										
CRD-SV-118/3859			A610	HVA904052-J				A A	315020									1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4							CRD-HCU-3859+			
02C12	2	A	1 3	A	M528			D2										
CRD-SV-118/4203			A610	HVA904052-J				A A	315020									1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4							CRD-HCU-4203+			
02C12	2	A	1 3	A	M528			D2										
CRD-SV-118/4207			A610	HVA904052-J				A A	315020									1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4							CRD-HCU-4207+			
02C12	2	A	1 3	A	M528			D2										
CRD-SV-118/4211			A610	HVA904052-J				A A	315020									1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4							CRD-HCU-4211+			
02C12	2	A	1 3	A	M528			D2										
CRD-SV-118/4215			A610	HVA904052-J				A A	315020									1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4							CRD-HCU-4215+			
02C12	2	A	1 3	A	M528			D2										
CRD-SV-118/4219			A610	HVA904052-J				A A	315020									1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4							CRD-HCU-4219+			
02C12	2	A	1 3	A	M528			D2										

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV	STATUS S E / DETAIL A/E ZONE	QID	ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-118/4223			A610		HVA904052-J			A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4					CRD-HCU-4223+	
02C12	2	A	1 3	A		M528		D2						
CRD-SV-118/4227			A610		HVA904052-J			A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4					CRD-HCU-4227+	
02C12	2	A	1 3	A		M528		D2						
CRD-SV-118/4231			A610		HVA904052-J			A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4					CRD-HCU-4231+	
02C12	2	A	1 3	A		M528		D2						
CRD-SV-118/4235			A610		HVA904052-J			A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4					CRD-HCU-4235+	
02C12	2	A	1 3	A		M528		D2						
CRD-SV-118/4239			A610		HVA904052-J			A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4					CRD-HCU-4239+	
02C12	2	A	1 3	A		M528		D2						
CRD-SV-118/4243			A610		HVA904052-J			A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4					CRD-HCU-4243+	
02C12	2	A	1 3	A		M528		D2						
CRD-SV-118/4247			A610		HVA904052-J			A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4					CRD-HCU-4247+	
02C12	2	A	1 3	A		M528		D2						
CRD-SV-118/4251			A610		HVA904052-J			A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4					CRD-HCU-4251+	
02C12	2	A	1 3	A		M528		D2						
CRD-SV-118/4255			A610		HVA904052-J			A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4					CRD-HCU-4255+	
02C12	2	A	1 3	A		M528		D2						
CRD-SV-118/4259			A610		HVA904052-J			A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 K2/8.4					CRD-HCU-4259+	
02C12	2	A	1 3	A		M528		D2						
CRD-SV-118/4607			A610		HVA904052-J			A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4					CRD-HCU-4607+	
02C12	2	A	1 3	A		M528		D2						
CRD-SV-118/4611			A610		HVA904052-J			A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4					CRD-HCU-4611+	
02C12	2	A	1 3	A		M528		D2						
CRD-SV-118/4615			A610		HVA904052-J			A A	315020					1.0
SCRAM SOLENOID PILOT CRD-V-126&127							R	522 L5/8.4					CRD-HCU-4615+	
02C12	2	A	1 3	A		M528		D2						

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / HL TEST / ANL / FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING / DBE / C / COMPOSITE EPN	HOURS
CRD-SV-118/4619			A610	HVA904052-J				A A	315020				1.0
SCRAM SOLENOID PILOT			CRD-V-126&127			R	522 L5/8.4					CRD-HCU-4619+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-118/4623			A610	HVA904052-J				A A	315020				1.0
SCRAM SOLENOID PILOT			CRD-V-126&127			R	522 L5/8.4					CRD-HCU-4623+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-118/4627			A610	HVA904052-J				A A	315020				1.0
SCRAM SOLENOID PILOT			CRD-V-126&127			R	522 L5/8.4					CRD-HCU-4627+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-118/4631			A610	HVA904052-J				A A	315020				1.0
SCRAM SOLENOID PILOT			CRD-V-126&127			R	522 K2/8.4					CRD-HCU-4631+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-118/4635			A610	HVA904052-J				A A	315020				1.0
SCRAM SOLENOID PILOT			CRD-V-126&127			R	522 K2/8.4					CRD-HCU-4635+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-118/4639			A610	HVA904052-J				A A	315020				1.0
SCRAM SOLENOID PILOT			CRD-V-126&127			R	522 K2/8.4					CRD-HCU-4639+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-118/4643			A610	HVA904052-J				A A	315020				1.0
SCRAM SOLENOID PILOT			CRD-V-126&127			R	522 K2/8.4					CRD-HCU-4643+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-118/4647			A610	HVA904052-J				A A	315020				1.0
SCRAM SOLENOID PILOT			CRD-V-126&127			R	522 K2/8.4					CRD-HCU-4647+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-118/4651			A610	HVA904052-J				A A	315020				1.0
SCRAM SOLENOID PILOT			CRD-V-126&127			R	522 K2/8.4					CRD-HCU-4651+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-118/4655			A610	HVA904052-J				A A	315020				1.0
SCRAM SOLENOID PILOT			CRD-V-126&127			R	522 K2/8.4					CRD-HCU-4655+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-118/5011			A610	HVA904052-J				A A	315020				1.0
SCRAM SOLENOID PILOT			CRD-V-126&127			R	522 L5/8.4					CRD-HCU-5011+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-118/5015			A610	HVA904052-J				A A	315020				1.0
SCRAM SOLENOID PILOT			CRD-V-126&127			R	522 L5/8.4					CRD-HCU-5015+	
02C12	2	A	1 3	A	M528		D2						
CRD-SV-118/5019			A610	HVA904052-J				A A	315020				1.0
SCRAM SOLENOID PILOT			CRD-V-126&127			R	522 L5/8.4					CRD-HCU-5019+	
02C12	2	A	1 3	A	M528		D2						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	DETAIL	STATUS S E	QIQ	ZONE	ROOM	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C	ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C	COMPOSITE EPN	HOURS
CRD-SV-118/5023			A610		HVA904052-J				A A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4									CRD-HCU-5023+	
02C12	2	A	1 3	A		M528		D2										
CRD-SV-118/5027			A610		HVA904052-J				A A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4									CRD-HCU-5027+	
02C12	2	A	1 3	A		M528		D2										
CRD-SV-118/5031			A610		HVA904052-J				A A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4									CRD-HCU-5031+	
02C12	2	A	1 3	A		M528		D2										
CRD-SV-118/5035			A610		HVA904052-J				A A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4									CRD-HCU-5035+	
02C12	2	A	1 3	A		M528		D2										
CRD-SV-118/5039			A610		HVA904052-J				A A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4									CRD-HCU-5039+	
02C12	2	A	1 3	A		M528		D2										
CRD-SV-118/5043			A610		HVA904052-J				A A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4									CRD-HCU-5043+	
02C12	2	A	1 3	A		M528		D2										
CRD-SV-118/5047			A610		HVA904052-J				A A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4									CRD-HCU-5047+	
02C12	2	A	1 3	A		M528		D2										
CRD-SV-118/5051			A610		HVA904052-J				A A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4									CRD-HCU-5051+	
02C12	2	A	1 3	A		M528		D2										
CRD-SV-118/5415			A610		HVA904052-J				A A	315020								.17
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4									CRD-HCU-5415+	
02C12	2	A	1 0	A		M528		D2										
CRD-SV-118/5419			A610		HVA904052-J				A A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4									CRD-HCU-5419+	
02C12	2	A	1 3	A		M528		D2										
CRD-SV-118/5423			A610		HVA904052-J				A A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4									CRD-HCU-5423+	
02C12	2	A	1 3	A		M528		D2										
CRD-SV-118/5427			A610		HVA904052-J				A A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	L5/8.4									CRD-HCU-5427+	
02C12	2	A	1 3	A		M528		D2										
CRD-SV-118/5431			A610		HVA904052-J				A A	315020								1.0
SCRAM SOLENOID PILOT CRD-V-126&127						R	522	K2/8.4									CRD-HCU-5431+	
02C12	2	A	1 3	A		M528		D2										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E / QID / ZONE	TM / HL TEST / ROOM	ANL FO C / ACCURACY	FREQ	***SEISMIC (S) PARAMETERS*** AGING	DBE	C	HOURS	*ENV. (E) PARAMETERS* COMPOSITE EPN
CRD-SV-118/5435			A610		HVA904052-J		A A	315020						1.0	
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4									CRD-HCU-5435+
02C12	2	A	1 3	A	M528	D2									
CRD-SV-118/5439			A610		HVA904052-J		A A	315020						1.0	
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4									CRD-HCU-5439+
02C12	2	A	1 3	A	M528	D2									
CRD-SV-118/5443			A610		HVA904052-J		A A	315020						1.0	
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4									CRD-HCU-5443+
02C12	2	A	1 3	A	M528	D2									
CRD-SV-118/5447			A610		HVA904052-J		A A	315020						1.0	
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4									CRD-HCU-5447+
02C12	2	A	1 3	A	M528	D2									
CRD-SV-118/5819			A610		HVA904052-J		A A	315020						1.0	
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4									CRD-HCU-5819+
02C12	2	A	1 3	A	M528	D2									
CRD-SV-118/5823			A610		HVA904052-J		A A	315020						1.0	
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4									CRD-HCU-5823+
02C12	2	A	1 3	A	M528	D2									
CRD-SV-118/5827			A610		HVA904052-J		A A	315020						1.0	
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 L5/8.4									CRD-HCU-5827+
02C12	2	A	1 3	A	M528	D2									
CRD-SV-118/5831			A610		HVA904052-J		A A	315020						1.0	
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4									CRD-HCU-5831+
02C12	2	A	1 3	A	M528	D2									
CRD-SV-118/5835			A610		HVA904052-J		A A	315020						1.0	
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4									CRD-HCU-5835+
02C12	2	A	1 3	A	M528	D2									
CRD-SV-118/5839			A610		HVA904052-J		A A	315020						1.0	
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4									CRD-HCU-5839+
02C12	2	A	1 3	A	M528	D2									
CRD-SV-118/5843			A610		HVA904052-J		A A	315020						1.0	
SCRAM SOLENOID PILOT CRD-V-126&127						R 522 K2/8.4									CRD-HCU-5843+
02C12	2	A	1 3	A	M528	D2									
CRD-SV-120/0219			A610		HVA1709662A		A B	324007						4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4									CRD-HCU-0219+
02C12	2	A	2 0	A,B1	M528	C4									
CRD-SV-120/0223			A610		HVA1709662A		A B	324007						4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4									CRD-HCU-0223+
02C12	2	A	2 0	A,B1	M528	C4									

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C / HOURS
CRD-SV-120/0227			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522 L5/8.4						CRD-HCU-0227+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/0231			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522 L5/8.4						CRD-HCU-0231+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/0235			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522 K2/8.4						CRD-HCU-0235+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/0239			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522 K2/8.4						CRD-HCU-0239+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/0243			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522 K2/8.4						CRD-HCU-0243+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/0615			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522 L5/8.4						CRD-HCU-0615+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/0619			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522 L5/8.4						CRD-HCU-0619+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/0623			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522 L5/8.4						CRD-HCU-0623+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/0627			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522 L5/8.4						CRD-HCU-0627+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/0631			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522 L5/8.4						CRD-HCU-0631+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/0635			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522 K2/8.4						CRD-HCU-0635+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/0639			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522 K2/8.4						CRD-HCU-0639+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/0643			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522 K2/8.4						CRD-HCU-0643+	
02C12	2	A	2 0	A,B1		M528		C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-120/0647			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-0647+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1011			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1011+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1015			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1015+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1019			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1019+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1023			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1023+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1027			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1027+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1031			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1031+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1035			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-1035+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1039			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-1039+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1043			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-1043+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1047			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-1047+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1051			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-1051+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1407			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1407+	
02C12	2	A	2 0	A,B1	M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-120/1411			A610		HVA1709662A				A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-1411+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/1415			A610		HVA1709662A				A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-1415+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/1419			A610		HVA1709662A				A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-1419+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/1423			A610		HVA1709662A				A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-1423+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/1427			A610		HVA1709662A				A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-1427+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/1431			A610		HVA1709662A				A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-1431+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/1435			A610		HVA1709662A				A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 K2/8.4						CRD-HCU-1435+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/1439			A610		HVA1709662A				A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 K2/8.4						CRD-HCU-1439+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/1443			A610		HVA1709662A				A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 K2/8.4						CRD-HCU-1443+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/1447			A610		HVA1709662A				A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 K2/8.4						CRD-HCU-1447+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/1451			A610		HVA1709662A				A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 K2/8.4						CRD-HCU-1451+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/1455			A610		HVA1709662A				A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 K2/8.4						CRD-HCU-1455+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-120/1803			A610		HVA1709662A				A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-1803+	
02C12	2	A	2 0	A,B1		M528		C4						

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-120/1807			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1807+	
02C12	2	A	2 0	A,31	M528		C4					
CRD-SV-120/1811			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1811+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1815			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1815+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1819			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1819+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1823			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1823+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1827			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1827+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1831			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-1831+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1835			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-1835+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1839			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-1839+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1843			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-1843+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1847			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-1847+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1851			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-1851+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-120/1855			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-1855+	
02C12	2	A	2 0	A,B1	M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
CRD-SV-120/1859			A610		HVA1709662A				A B	324007			4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	K2/8.4					CRD-HCU-1859+
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-120/2203			A610		HVA1709662A				A B	324007			4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-2203+
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-120/2207			A610		HVA1709662A				A B	324007			4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-2207+
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-120/2211			A610		HVA1709662A				A B	324007			4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-2211+
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-120/2215			A610		HVA1709662A				A B	324007			4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-2215+
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-120/2219			A610		HVA1709662A				A B	324007			4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-2219+
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-120/2223			A610		HVA1709662A				A B	324007			4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-2223+
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-120/2227			A610		HVA1709662A				A B	324007			4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-2227+
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-120/2231			A610		HVA1709662A				A B	324007			4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-2231+
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-120/2235			A610		HVA1709662A				A B	324007			4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	K2/8.4					CRD-HCU-2235+
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-120/2239			A610		HVA1709662A				A B	324007			4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	K2/8.4					CRD-HCU-2239+
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-120/2243			A610		HVA1709662A				A B	324007			4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	K2/8.4					CRD-HCU-2243+
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-120/2247			A610		HVA1709662A				A B	324007			4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	K2/8.4					CRD-HCU-2247+
02C12	2	A	2 0	A,B1		M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	TM	HL TEST / ROOM	ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-SV-120/2251			A610		HVA1709662A				A	B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	K2/8.4										
02C12	2	A	2 0	A,B1		M528		C4							CRD-HCU-2251+			
CRD-SV-120/2255			A610		HVA1709662A				A	B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	K2/8.4										
02C12	2	A	2 0	A,B1		M528		C4							CRD-HCU-2255+			
CRD-SV-120/2259			A610		HVA1709662A				A	B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	K2/8.4										
02C12	2	A	2 0	A,B1		M528		C4							CRD-HCU-2259+			
CRD-SV-120/2603			A610		HVA1709662A				A	B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	L5/8.4										
02C12	2	A	2 0	A,B1		M528		C4							CRD-HCU-2603+			
CRD-SV-120/2607			A610		HVA1709662A				A	B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	L5/8.4										
02C12	2	A	2 0	A,B1		M528		C4							CRD-HCU-2607+			
CRD-SV-120/2611			A610		HVA1709662A				A	B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	L5/8.4										
02C12	2	A	2 0	A,B1		M528		C4							CRD-HCU-2611+			
CRD-SV-120/2615			A610		HVA1709662A				A	B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	L5/8.4										
02C12	2	A	2 0	A,B1		M528		C4							CRD-HCU-2615+			
CRD-SV-120/2619			A610		HVA1709662A				A	B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	L5/8.4										
02C12	2	A	2 0	A,B1		M528		C4							CRD-HCU-2619+			
CRD-SV-120/2623			A610		HVA1709662A				A	B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	L5/8.4										
02C12	2	A	2 0	A,B1		M528		C4							CRD-HCU-2623+			
CRD-SV-120/2627			A610		HVA1709662A				A	B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	L5/8.4										
02C12	2	A	2 0	A,B1		M528		C4							CRD-HCU-2627+			
CRD-SV-120/2631			A610		HVA1709662A				A	B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	L5/8.4										
02C12	2	A	2 0	A,B1		M528		C4							CRD-HCU-2631+			
CRD-SV-120/2635			A610		HVA1709662A				A	B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	K2/8.4										
02C12	2	A	2 0	A,B1		M528		C4							CRD-HCU-2635+			
CRD-SV-120/2639			A610		HVA1709662A				A	B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	K2/8.4										
02C12	2	A	2 0	A,B1		M528		C4							CRD-HCU-2639+			

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	TM / ROOM	HL TEST ANL FQ C / ACCURACY	FREQ	ENV. (E) PARAMETERS AGING / COMPOSITE EPN	DBE	C	HOURS
CRD-SV-120/2643					A610	HVA1709662A	R	522	K2/8.4	A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE														CRD-HCU-2643+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-120/2647					A610	HVA1709662A	R	522	K2/8.4	A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE														CRD-HCU-2647+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-120/2651					A610	HVA1709662A	R	522	K2/8.4	A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE														CRD-HCU-2651+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-120/2655					A610	HVA1709662A	R	522	K2/8.4	A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE														CRD-HCU-2655+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-120/2659					A610	HVA1709662A	R	522	K2/8.4	A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE														CRD-HCU-2659+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-120/3003					A610	HVA1709662A	R	522	L5/8.4	A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE														CRD-HCU-3003+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-120/3007					A610	HVA1709662A	R	522	L5/8.4	A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE														CRD-HCU-3007+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-120/3011					A610	HVA1709662A	R	522	L5/8.4	A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE														CRD-HCU-3011+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-120/3015					A610	HVA1709662A	R	522	L5/8.4	A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE														CRD-HCU-3015+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-120/3019					A610	HVA1709662A	R	522	L5/8.4	A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE														CRD-HCU-3019+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-120/3023					A610	HVA1709662A	R	522	L5/8.4	A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE														CRD-HCU-3023+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-120/3027					A610	HVA1709662A	R	522	L5/8.4	A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE														CRD-HCU-3027+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-120/3031					A610	HVA1709662A	R	522	K2/8.4	A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE														CRD-HCU-3031+			
02C12	2	A	2 0	A,B1		M528			C4								

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-120/3035			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-3035+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/3039			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-3039+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/3043			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-3043+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/3047			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-3047+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/3051			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-3051+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/3055			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-3055+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/3059			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-3059+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/3403			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-3403+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/3407			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-3407+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/3411			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-3411+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/3415			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-3415+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/3419			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-3419+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/3423			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-3423+	
02C12	2	A	2 0	A,B1	M528	C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID	ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-120/3427			A610		HVA1709662A				A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	L5/8.4						CRD-HCU-3427+	
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/3431			A610		HVA1709662A				A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	K2/8.4						CRD-HCU-3431+	
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/3435			A610		HVA1709662A				A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	K2/8.4						CRD-HCU-3435+	
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/3439			A610		HVA1709662A				A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	K2/8.4						CRD-HCU-3439+	
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/3443			A610		HVA1709662A				A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	K2/8.4						CRD-HCU-3443+	
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/3447			A610		HVA1709662A				A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	K2/8.4						CRD-HCU-3447+	
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/3451			A610		HVA1709662A				A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	K2/8.4						CRD-HCU-3451+	
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/3455			A610		HVA1709662A				A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	K2/8.4						CRD-HCU-3455+	
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/3459			A610		HVA1709662A				A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	K2/8.4						CRD-HCU-3459+	
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/3803			A610		HVA1709662A				A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	L5/8.4						CRD-HCU-3803+	
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/3807			A610		HVA1709662A				A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	L5/8.4						CRD-HCU-3807+	
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/3811			A610		HVA1709662A				A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	L5/8.4						CRD-HCU-3811+	
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/3815			A610		HVA1709662A				A B	324007					4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522	L5/8.4						CRD-HCU-3815+	
02C12	2	A	2 0	A,B1		M528		C4							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TM	HL TEST / ROOM	ANL	FO C / ACCURACY	FREQ	ENV. AGING	(E) PARAMETERS DBE	C	HOURS	COMPOSITE EPN
CRD-SV-120/3819			A610		HVA1709662A					A B	324007										
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	L5/8.4											4320	CRD-HCU-3819+
02C12	2	A	2 0	A,B1		M528			C4												
CRD-SV-120/3823			A610		HVA1709662A					A B	324007										
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	L5/8.4											4320	CRD-HCU-3823+
02C12	2	A	2 0	A,B1		M528			C4												
CRD-SV-120/3827			A610		HVA1709662A					A B	324007										
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	L5/8.4											4320	CRD-HCU-3827+
02C12	2	A	2 0	A,B1		M528			C4												
CRD-SV-120/3831			A610		HVA1709662A					A B	324007										
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4											4320	CRD-HCU-3831+
02C12	2	A	2 0	A,B1		M528			C4												
CRD-SV-120/3835			A610		HVA1709662A					A B	324007										
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4											4320	CRD-HCU-3835+
02C12	2	A	2 0	A,B1		M528			C4												
CRD-SV-120/3839			A610		HVA1709662A					A B	324007										
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4											4320	CRD-HCU-3839+
02C12	2	A	2 0	A,B1		M528			C4												
CRD-SV-120/3843			A610		HVA1709662A					A B	324007										
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4											4320	CRD-HCU-3843+
02C12	2	A	2 0	A,B1		M528			C4												
CRD-SV-120/3847			A610		HVA1709662A					A B	324007										
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4											4320	CRD-HCU-3847+
02C12	2	A	2 0	A,B1		M528			C4												
CRD-SV-120/3851			A610		HVA1709662A					A B	324007										
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4											4320	CRD-HCU-3851+
02C12	2	A	2 0	A,B1		M528			C4												
CRD-SV-120/3855			A610		HVA1709662A					A B	324007										
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4											4320	CRD-HCU-3855+
02C12	2	A	2 0	A,B1		M528			C4												
CRD-SV-120/3859			A610		HVA1709662A					A B	324007										
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4											4320	CRD-HCU-3859+
02C12	2	A	2 0	A,B1		M528			C4												
CRD-SV-120/4203			A610		HVA1709662A					A B	324007										
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	L5/8.4											4320	CRD-HCU-4203+
02C12	2	A	2 0	A,B1		M528			C4												
CRD-SV-120/4207			A610		HVA1709662A					A B	324007										
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	L5/8.4											4320	CRD-HCU-4207+
02C12	2	A	2 0	A,B1		M528			C4												

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL EQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-120/4211			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-4211+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/4215			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-4215+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/4219			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-4219+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/4223			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-4223+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/4227			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 L5/8.4					CRD-HCU-4227+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/4231			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-4231+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/4235			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-4235+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/4239			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-4239+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/4243			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-4243+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/4247			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-4247+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/4251			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-4251+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/4255			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-4255+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-120/4259			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R 522 K2/8.4					CRD-HCU-4259+	
02C12	2	A	2 0	A,B1	M528	C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG DRAWING	ELEV	STATUS / DETAIL A/E ZONE	S E	QID / ZONE	TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	ENV. (E) PARAMETERS AGING / COMPOSITE	DBE	C	HOURS EPN
CRD-SV-120/4607			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4						CRD-HCU-4607+			
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-120/4611			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4						CRD-HCU-4611+			
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-120/4615			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4						CRD-HCU-4615+			
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-120/4619			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4						CRD-HCU-4619+			
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-120/4623			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4						CRD-HCU-4623+			
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-120/4627			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	L5/8.4						CRD-HCU-4627+			
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-120/4631			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	K2/8.4						CRD-HCU-4631+			
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-120/4635			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	K2/8.4						CRD-HCU-4635+			
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-120/4639			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	K2/8.4						CRD-HCU-4639+			
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-120/4643			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	K2/8.4						CRD-HCU-4643+			
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-120/4647			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	K2/8.4						CRD-HCU-4647+			
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-120/4651			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	K2/8.4						CRD-HCU-4651+			
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-120/4655			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW EXHAUST VALVE						R	522	K2/8.4						CRD-HCU-4655+			
02C12	2	A	2 0	A,B1		M528		C4									

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C /	HOURS
CRD-SV-120/5011			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-5011+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/5015			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-5015+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/5019			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-5019+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/5023			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-5023+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/5027			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-5027+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/5031			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 K2/8.4						CRD-HCU-5031+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/5035			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 K2/8.4						CRD-HCU-5035+		
02C12	2	A	1 3	G		M528		C4							
CRD-SV-120/5039			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 K2/8.4						CRD-HCU-5039+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/5043			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 K2/8.4						CRD-HCU-5043+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/5047			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 K2/8.4						CRD-HCU-5047+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/5051			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 K2/8.4						CRD-HCU-5051+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/5415			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-5415+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-120/5419			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 L5/8.4						CRD-HCU-5419+		
02C12	2	A	2 0	A,B1		M528		C4							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM	HL	TEST	ANL	FO	C	FREQ	***SEISMIC (S) PARAMETERS*** / ROOM	ACCURACY	*ENV. (E) PARAMETERS* / AGING	DBE	C	HOURS	COMPOSITE EPN
CRD-SV-120/5423					A610	HVA1709662A				A	B	324007													4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	L5/8.4																	CRD-HCU-5423+
02C12	2	A	2	0	A,B1	M528			C4																	
CRD-SV-120/5427					A610	HVA1709662A				A	B	324007													4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	L5/8.4																	CRD-HCU-5427+
02C12	2	A	2	0	A,B1	M528			C4																	
CRD-SV-120/5431					A610	HVA1709662A				A	B	324007													4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4																	CRD-HCU-5431+
02C12	2	A	2	0	A,B1	M528			C4																	
CRD-SV-120/5435					A610	HVA1709662A				A	B	324007													4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4																	CRD-HCU-5435+
02C12	2	A	2	0	A,B1	M528			C4																	
CRD-SV-120/5439					A610	HVA1709662A				A	B	324007													4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4																	CRD-HCU-5439+
02C12	2	A	2	0	A,B1	M528			C4																	
CRD-SV-120/5443					A610	HVA1709662A				A	B	324007													4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4																	CRD-HCU-5443+
02C12	2	A	2	0	A,B1	M528			C4																	
CRD-SV-120/5447					A610	HVA1709662A				A	B	324007													4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4																	CRD-HCU-5447+
02C12	2	A	2	0	A,B1	M528			C4																	
CRD-SV-120/5819					A610	HVA1709662A				A	B	324007													4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	L5/8.4																	CRD-HCU-5819+
02C12	2	A	2	0	A,B1	M528			C4																	
CRD-SV-120/5823					A610	HVA1709662A				A	B	324007.													4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	L5/8.4																	CRD-HCU-5823+
02C12	2	A	2	0	A,B1	M528			C4																	
CRD-SV-120/5827					A610	HVA1709662A				A	B	324007													4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	L5/8.4																	CRD-HCU-5827+
02C12	2	A	2	0	A,B1	M528			C4																	
CRD-SV-120/5831					A610	HVA1709662A				A	B	324007													4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4																	CRD-HCU-5831+
02C12	2	A	2	0	A,B1	M528			C4																	
CRD-SV-120/5835					A610	HVA1709662A				A	B	324007													4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4																	CRD-HCU-5835+
02C12	2	A	2	0	A,B1	M528			C4																	
CRD-SV-120/5839					A610	HVA1709662A				A	B	324007													4320	
.5"SOLENOID WITHDRAW EXHAUST VALVE							R	522	K2/8.4																	CRD-HCU-5839+
02C12	2	A	2	0	A,B1	M528			C4																	

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID	ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-120/5843					A610	HVA1709662A		A B	324007					
.5"SOLENOID WITHDRAW EXHAUST VALVE							R 522 K2/8.4							4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-5843+	
CRD-SV-121/0219					A610	HVA1709662A		A B	324007					
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4							4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-0219+	
CRD-SV-121/0223					A610	HVA1709662A		A B	324007					
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4							4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-0223+	
CRD-SV-121/0227					A610	HVA1709662A		A B	324007					
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4							4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-0227+	
CRD-SV-121/0231					A610	HVA1709662A		A B	324007					
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4							4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-0231+	
CRD-SV-121/0235					A610	HVA1709662A		A B	324007					
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4							4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-0235+	
CRD-SV-121/0239					A610	HVA1709662A		A B	324007					
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4							4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-0239+	
CRD-SV-121/0243					A610	HVA1709662A		A B	324007					
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4							4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-0243+	
CRD-SV-121/0615					A610	HVA1709662A		A B	324007					
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4							4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-0615+	
CRD-SV-121/0619					A610	HVA1709662A		A B	324007					
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4							4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-0619+	
CRD-SV-121/0623					A610	HVA1709662A		A B	324007					
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4							4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-0623+	
CRD-SV-121/0627					A610	HVA1709662A		A B	324007					
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4							4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-0627+	
CRD-SV-121/0631					A610	HVA1709662A		A B	324007					
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4							4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-0631+	

EPN / CONTRACT	LEVEL	MFG / DESCRIPTION / EC	USE	SAFETY FUNCTION	MODEL / A/E	BLDG ELEV / DRAWING	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	ENV. (E) PARAMETERS / AGING / COMPOSITE EPN	DBE	C	HOURS
CRD-SV-121/0635		A610			HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522 K2/8.4						CRD-HCU-0635+			
02C12	2	A	2 0	A,B1	M528		C4									
CRD-SV-121/0639		A610			HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522 K2/8.4						CRD-HCU-0639+			
02C12	2	A	2 0	A,B1	M528		C4									
CRD-SV-121/0643		A610			HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522 K2/8.4						CRD-HCU-0643+			
02C12	2	A	2 0	A,B1	M528		C4									
CRD-SV-121/0647		A610			HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522 K2/8.4						CRD-HCU-0647+			
02C12	2	A	2 0	A,B1	M528		C4									
CRD-SV-121/1011		A610			HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522 L5/8.4						CRD-HCU-1011+			
02C12	2	A	2 0	A,B1	M528		C4									
CRD-SV-121/1015		A610			HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522 L5/8.4						CRD-HCU-1015+			
02C12	2	A	2 0	A,B1	M528		C4									
CRD-SV-121/1019		A610			HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522 L5/8.4						CRD-HCU-1019+			
02C12	2	A	2 0	A,B1	M528		C4									
CRD-SV-121/1023		A610			HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522 L5/8.4						CRD-HCU-1023+			
02C12	2	A	2 0	A,B1	M528		C4									
CRD-SV-121/1027		A610			HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522 L5/8.4						CRD-HCU-1027+			
02C12	2	A	2 0	A,B1	M528		C4									
CRD-SV-121/1031		A610			HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522 L5/8.4						CRD-HCU-1031+			
02C12	2	A	2 0	A,B1	M528		C4									
CRD-SV-121/1035		A610			HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522 K2/8.4						CRD-HCU-1035+			
02C12	2	A	2 0	A,B1	M528		C4									
CRD-SV-121/1039		A610			HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522 K2/8.4						CRD-HCU-1039+			
02C12	2	A	2 0	A,B1	M528		C4									
CRD-SV-121/1043		A610			HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522 K2/8.4						CRD-HCU-1043+			
02C12	2	A	2 0	A,B1	M528		C4									

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL A/E	BLDG DRAWING	ELEV	STATUS S E / DETAIL A/E ZONE	QID / ZONE	TM HL TEST ANL FQ C / ROOM	***SEISMIC (S) PARAMETERS*** ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-121/1047			A610	HVA1709662A				A B	324007					4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522	K2/8.4					CRD-HCU-1047+	
02C12	2	A	2 0	A,B1	M528			C4						
CRD-SV-121/1051			A610	HVA1709662A				A B	324007					4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522	K2/8.4					CRD-HCU-1051+	
02C12	2	A	2 0	A,B1	M528			C4						
CRD-SV-121/1407			A610	HVA1709662A				A B	324007					4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-1407+	
02C12	2	A	2 0	A,B1	M528			C4						
CRD-SV-121/1411			A610	HVA1709662A				A B	324007					4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-1411+	
02C12	2	A	2 0	A,B1	M528			C4						
CRD-SV-121/1415			A610	HVA1709662A				A B	324007					4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-1415+	
02C12	2	A	2 0	A,B1	M528			C4						
CRD-SV-121/1419			A610	HVA1709662A				A B	324007					4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-1419+	
02C12	2	A	2 0	A,B1	M528			C4						
CRD-SV-121/1423			A610	HVA1709662A				A B	324007					4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-1423+	
02C12	2	A	2 0	A,B1	M528			C4						
CRD-SV-121/1427			A610	HVA1709662A				A B	324007					4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-1427+	
02C12	2	A	2 0	A,B1	M528			C4						
CRD-SV-121/1431			A610	HVA1709662A				A B	324007					4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522	L5/8.4					CRD-HCU-1431+	
02C12	2	A	2 0	A,B1	M528			C4						
CRD-SV-121/1435			A610	HVA1709662A				A B	324007					4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522	K2/8.4					CRD-HCU-1435+	
02C12	2	A	2 0	A,B1	M528			C4						
CRD-SV-121/1439			A610	HVA1709662A				A B	324007					4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522	K2/8.4					CRD-HCU-1439+	
02C12	2	A	2 0	A,B1	M528			C4						
CRD-SV-121/1443			A610	HVA1709662A				A B	324007					4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522	K2/8.4					CRD-HCU-1443+	
02C12	2	A	2 0	A,B1	M528			C4						
CRD-SV-121/1447			A610	HVA1709662A				A B	324007					4320
.5"SOLENOID INSERT EXHAUST VALVE						R	522	K2/8.4					CRD-HCU-1447+	
02C12	2	A	2 0	A,B1	M528			C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST	ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
CRD-SV-121/1451			A610			HVA1709662A			A	B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4							CRD-HCU-1451+		
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/1455			A610			HVA1709662A			A	B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4							CRD-HCU-1455+		
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/1803			A610			HVA1709662A			A	B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4							CRD-HCU-1803+		
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/1807			A610			HVA1709662A			A	B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4							CRD-HCU-1807+		
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/1811			A610			HVA1709662A			A	B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4							CRD-HCU-1811+		
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/1815			A610			HVA1709662A			A	B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4							CRD-HCU-1815+		
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/1819			A610			HVA1709662A			A	B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4							CRD-HCU-1819+		
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/1823			A610			HVA1709662A			A	B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4							CRD-HCU-1823+		
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/1827			A610			HVA1709662A			A	B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4							CRD-HCU-1827+		
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/1831			A610			HVA1709662A			A	B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4							CRD-HCU-1831+		
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/1835			A610			HVA1709662A			A	B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4							CRD-HCU-1835+		
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/1839			A610			HVA1709662A			A	B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4							CRD-HCU-1839+		
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/1843			A610			HVA1709662A			A	B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4							CRD-HCU-1843+		
02C12	2	A	2 0	A,B1		M528		C4									

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV / A/E ZONE	STATUS / S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** / TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* / AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-121/1847					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522	K2/8.4				CRD-HCU-1847+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/1851					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522	K2/8.4				CRD-HCU-1851+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/1855					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522	K2/8.4				CRD-HCU-1855+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/1859					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522	K2/8.4				CRD-HCU-1859+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/2203					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522	L5/8.4				CRD-HCU-2203+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/2207					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522	L5/8.4				CRD-HCU-2207+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/2211					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522	L5/8.4				CRD-HCU-2211+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/2215					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522	L5/8.4				CRD-HCU-2215+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/2219					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522	L5/8.4				CRD-HCU-2219+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/2223					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522	L5/8.4				CRD-HCU-2223+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/2227					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522	L5/8.4				CRD-HCU-2227+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/2231					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522	L5/8.4				CRD-HCU-2231+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/2235					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522	K2/8.4				CRD-HCU-2235+	
02C12	2	A	2 0	A,B1		M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG DRAWING	ELEV	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	TH / ROOM	HL TEST / ANL FQ C / ACCURACY	FREQ	***SEISMIC (S) PARAMETERS*** / AGING	DBE	C	HOURS	*ENV. (E) PARAMETERS* / COMPOSITE EPN
CRD-SV-121/2239					A610	HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4									CRD-HCU-2239+
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/2243					A610	HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4									CRD-HCU-2243+
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/2247					A610	HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4									CRD-HCU-2247+
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/2251					A610	HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4									CRD-HCU-2251+
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/2255					A610	HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4									CRD-HCU-2255+
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/2259					A610	HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4									CRD-HCU-2259+
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/2603					A610	HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4									CRD-HCU-2603+
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/2607					A610	HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4									CRD-HCU-2607+
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/2611					A610	HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4									CRD-HCU-2611+
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/2615					A610	HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4									CRD-HCU-2615+
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/2619					A610	HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4									CRD-HCU-2619+
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/2623					A610	HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4									CRD-HCU-2623+
02C12	2	A	2 0	A,B1		M528		C4									
CRD-SV-121/2627					A610	HVA1709662A			A B	324007							4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4									CRD-HCU-2627+
02C12	2	A	2 0	A,B1		M528		C4									

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL EQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-121/2631			A610		HVA1709662A			A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4					CRD-HCU-2631+	
02C12	2	A	2 0	A,B1	M528			C4					
CRD-SV-121/2635			A610		HVA1709662A			A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4					CRD-HCU-2635+	
02C12	2	A	2 0	A,B1	M528			C4					
CRD-SV-121/2639			A610		HVA1709662A			A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4					CRD-HCU-2639+	
02C12	2	A	2 0	A,B1	M528			C4					
CRD-SV-121/2643			A610		HVA1709662A			A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4					CRD-HCU-2643+	
02C12	2	A	2 0	A,B1	M528			C4					
CRD-SV-121/2647			A610		HVA1709662A			A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4					CRD-HCU-2647+	
02C12	2	A	2 0	A,B1	M528			C4					
CRD-SV-121/2651			A610		HVA1709662A			A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4					CRD-HCU-2651+	
02C12	2	A	2 0	A,B1	M528			C4					
CRD-SV-121/2655			A610		HVA1709662A			A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4					CRD-HCU-2655+	
02C12	2	A	2 0	A,B1	M528			C4					
CRD-SV-121/2659			A610		HVA1709662A			A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4					CRD-HCU-2659+	
02C12	2	A	2 0	A,B1	M528			C4					
CRD-SV-121/3003			A610		HVA1709662A			A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4					CRD-HCU-3003+	
02C12	2	A	2 0	A,B1	M528			C4					
CRD-SV-121/3007			A610		HVA1709662A			A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4					CRD-HCU-3007+	
02C12	2	A	2 0	A,B1	M528			C4					
CRD-SV-121/3011			A610		HVA1709662A			A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4					CRD-HCU-3011+	
02C12	2	A	2 0	A,B1	M528			C4					
CRD-SV-121/3015			A610		HVA1709662A			A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4					CRD-HCU-3015+	
02C12	2	A	2 0	A,B1	M528			C4					
CRD-SV-121/3019			A610		HVA1709662A			A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4					CRD-HCU-3019+	
02C12	2	A	2 0	A,B1	M528			C4					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM	HL TEST / ROOM	ANL	FO	C	***SEISMIC (S) PARAMETERS*** FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-SV-121/3023				A610	HVA1709662A					A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522	L5/8.4													CRD-HCU-3023+
02C12	2	A	2	0	A,B1	M528			C4													
CRD-SV-121/3027				A610	HVA1709662A					A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522	L5/8.4													CRD-HCU-3027+
02C12	2	A	2	0	A,B1	M528			C4													
CRD-SV-121/3031				A610	HVA1709662A					A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522	K2/8.4													CRD-HCU-3031+
02C12	2	A	2	0	A,B1	M528			C4													
CRD-SV-121/3035				A610	HVA1709662A					A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522	K2/8.4													CRD-HCU-3035+
02C12	2	A	2	0	A,B1	M528			C4													
CRD-SV-121/3039				A610	HVA1709662A					A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522	K2/8.4													CRD-HCU-3039+
02C12	2	A	2	0	A,B1	M528			C4													
CRD-SV-121/3043				A610	HVA1709662A					A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522	K2/8.4													CRD-HCU-3043+
02C12	2	A	2	0	A,B1	M528			C4													
CRD-SV-121/3047				A610	HVA1709662A					A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522	K2/8.4													CRD-HCU-3047+
02C12	2	A	2	0	A,B1	M528			C4													
CRD-SV-121/3051				A610	HVA1709662A					A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522	K2/8.4													CRD-HCU-3051+
02C12	2	A	2	0	A,B1	M528			C4													
CRD-SV-121/3055				A610	HVA1709662A					A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522	K2/8.4													CRD-HCU-3055+
02C12	2	A	2	0	A,B1	M528			C4													
CRD-SV-121/3059				A610	HVA1709662A					A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522	K2/8.4													CRD-HCU-3059+
02C12	2	A	2	0	A,B1	M528			C4													
CRD-SV-121/3403				A610	HVA1709662A					A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522	L5/8.4													CRD-HCU-3403+
02C12	2	A	2	0	A,B1	M528			C4													
CRD-SV-121/3407				A610	HVA1709662A					A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522	L5/8.4													CRD-HCU-3407+
02C12	2	A	2	0	A,B1	M528			C4													
CRD-SV-121/3411				A610	HVA1709662A					A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522	L5/8.4													CRD-HCU-3411+
02C12	2	A	2	0	A,B1	M528			C4													

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL	TEST	ANL	FO	C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE	C	HOURS
CRD-SV-121/3415					A610	HVA1709662A			A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4										CRD-HCU-3415+			
02C12	2	A	2	0	A,B1	M528		C4													
CRD-SV-121/3419					A610	HVA1709662A			A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4										CRD-HCU-3419+			
02C12	2	A	2	0	A,B1	M528		C4													
CRD-SV-121/3423					A610	HVA1709662A			A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4										CRD-HCU-3423+			
02C12	2	A	2	0	A,B1	M528		C4													
CRD-SV-121/3427					A610	HVA1709662A			A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4										CRD-HCU-3427+			
02C12	2	A	2	0	A,B1	M528		C4													
CRD-SV-121/3431					A610	HVA1709662A			A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4										CRD-HCU-3431+			
02C12	2	A	2	0	A,B1	M528		C4													
CRD-SV-121/3435					A610	HVA1709662A			A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4										CRD-HCU-3435+			
02C12	2	A	2	0	A,B1	M528		C4													
CRD-SV-121/3439					A610	HVA1709662A			A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4										CRD-HCU-3439+			
02C12	2	A	2	0	A,B1	M528		C4													
CRD-SV-121/3443					A610	HVA1709662A			A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4										CRD-HCU-3443+			
02C12	2	A	2	0	A,B1	M528		C4													
CRD-SV-121/3447					A610	HVA1709662A			A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4										CRD-HCU-3447+			
02C12	2	A	2	0	A,B1	M528		C4													
CRD-SV-121/3451					A610	HVA1709662A			A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4										CRD-HCU-3451+			
02C12	2	A	2	0	A,B1	M528		C4													
CRD-SV-121/3455					A610	HVA1709662A			A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4										CRD-HCU-3455+			
02C12	2	A	2	0	A,B1	M528		C4													
CRD-SV-121/3459					A610	HVA1709662A			A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4										CRD-HCU-3459+			
02C12	2	A	2	0	A,B1	M528		C4													
CRD-SV-121/3803					A610	HVA1709662A			A	B	324007										4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4										CRD-HCU-3803+			
02C12	2	A	2	0	A,B1	M528		C4													

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / HL TEST / ROOM	ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / DBE / COMPOSITE EPN	C	HOURS
CRD-SV-121/3807			A610		HVA1709662A		A B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE						R 522 L5/8.4						CRD-HCU-3807+		
02C12	2	A	2 0	A,B1	M528	C4								
CRD-SV-121/3811			A610		HVA1709662A		A B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE						R 522 L5/8.4						CRD-HCU-3811+		
02C12	2	A	2 0	A,B1	M528	C4								
CRD-SV-121/3815			A610		HVA1709662A		A B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE						R 522 L5/8.4						CRD-HCU-3815+		
02C12	2	A	2 0	A,B1	M528	C4								
CRD-SV-121/3819			A610		HVA1709662A		A B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE						R 522 L5/8.4						CRD-HCU-3819+		
02C12	2	A	2 0	A,B1	M528	C4								
CRD-SV-121/3823			A610		HVA1709662A		A B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE						R 522 L5/8.4						CRD-HCU-3823+		
02C12	2	A	2 0	A,B1	M528	C4								
CRD-SV-121/3827			A610		HVA1709662A		A B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE						R 522 L5/8.4						CRD-HCU-3827+		
02C12	2	A	2 0	A,B1	M528	C4								
CRD-SV-121/3831			A610		HVA1709662A		A B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE						R 522 K2/8.4						CRD-HCU-3831+		
02C12	2	A	2 0	A,B1	M528	C4								
CRD-SV-121/3835			A610		HVA1709662A		A B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE						R 522 K2/8.4						CRD-HCU-3835+		
02C12	2	A	2 0	A,B1	M528	C4								
CRD-SV-121/3839			A610		HVA1709662A		A B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE						R 522 K2/8.4						CRD-HCU-3839+		
02C12	2	A	2 0	A,B1	M528	C4								
CRD-SV-121/3843			A610		HVA1709662A		A B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE						R 522 K2/8.4						CRD-HCU-3843+		
02C12	2	A	2 0	A,B1	M528	C4								
CRD-SV-121/3847			A610		HVA1709662A		A B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE						R 522 K2/8.4						CRD-HCU-3847+		
02C12	2	A	2 0	A,B1	M528	C4								
CRD-SV-121/3851			A610		HVA1709662A		A B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE						R 522 K2/8.4						CRD-HCU-3851+		
02C12	2	A	2 0	A,B1	M528	C4								
CRD-SV-121/3855			A610		HVA1709662A		A B	324007						4320
.5"SOLENOID INSERT EXHAUST VALVE						R 522 K2/8.4						CRD-HCU-3855+		
02C12	2	A	2 0	A,B1	M528	C4								

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-121/3859					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4					CRD-HCU-3859+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-121/4203					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4					CRD-HCU-4203+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-121/4207					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4					CRD-HCU-4207+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-121/4211					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4					CRD-HCU-4211+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-121/4215					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4					CRD-HCU-4215+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-121/4219					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4					CRD-HCU-4219+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-121/4223					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4					CRD-HCU-4223+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-121/4227					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R 522 L5/8.4					CRD-HCU-4227+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-121/4231					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4					CRD-HCU-4231+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-121/4235					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4					CRD-HCU-4235+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-121/4239					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4					CRD-HCU-4239+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-121/4243					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4					CRD-HCU-4243+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-121/4247					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R 522 K2/8.4					CRD-HCU-4247+	4320
02C12	2	A	2 0	A,B1	M528		C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-121/4251					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4				CRD-HCU-4251+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/4255					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4				CRD-HCU-4255+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/4259					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4				CRD-HCU-4259+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/4607					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4				CRD-HCU-4607+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/4611					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4				CRD-HCU-4611+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/4615					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4				CRD-HCU-4615+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/4619					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4				CRD-HCU-4619+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/4623					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4				CRD-HCU-4623+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/4627					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4				CRD-HCU-4627+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/4631					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4				CRD-HCU-4631+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/4635					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4				CRD-HCU-4635+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/4639					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4				CRD-HCU-4639+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/4643					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4				CRD-HCU-4643+	
02C12	2	A	2 0	A,B1		M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	AGING / COMPOSITE EPN	DBE C HOURS
CRD-SV-121/4647					A610	HVA1709662A			A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4						4320
02C12	2	A	2 0	A,31		M528		C4					CRD-HCU-4647+	
CRD-SV-121/4651					A610	HVA1709662A			A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4						4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-4651+	
CRD-SV-121/4655					A610	HVA1709662A			A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4						4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-4655+	
CRD-SV-121/5011					A610	HVA1709662A			A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4						4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-5011+	
CRD-SV-121/5015					A610	HVA1709662A			A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4						4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-5015+	
CRD-SV-121/5019					A610	HVA1709662A			A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4						4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-5019+	
CRD-SV-121/5023					A610	HVA1709662A			A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4						4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-5023+	
CRD-SV-121/5027					A610	HVA1709662A			A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R	522 L5/8.4						4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-5027+	
CRD-SV-121/5031					A610	HVA1709662A			A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4						4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-5031+	
CRD-SV-121/5035					A610	HVA1709662A			A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4						4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-5035+	
CRD-SV-121/5039					A610	HVA1709662A			A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4						4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-5039+	
CRD-SV-121/5043					A610	HVA1709662A			A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4						4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-5043+	
CRD-SV-121/5047					A610	HVA1709662A			A B	324007				
.5"SOLENOID INSERT EXHAUST VALVE							R	522 K2/8.4						4320
02C12	2	A	2 0	A,B1		M528		C4					CRD-HCU-5047+	

EPN CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG	MODEL A/E DRAWING	BLDG ELEV	STATUS S E DETAIL A/E ZONE	QID ZONE	***SEISMIC (S) PARAMETERS*** TH HL TEST ANL FO C ROOM ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C COMPOSITE EPN	HOURS
CRD-SV-121/5051					A610	HVA1709662A	R	A B 522 K2/8.4	324007			CRD-HCU-5051+	4320
.5"SOLENOID INSERT EXHAUST VALVE													
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/5415					A610	HVA1709662A	R	A B 522 L5/8.4	324007			CRD-HCU-5415+	4320
.5"SOLENOID INSERT EXHAUST VALVE													
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/5419					A610	HVA1709662A	R	A B 522 L5/8.4	324007			CRD-HCU-5419+	4320
.5"SOLENOID INSERT EXHAUST VALVE													
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/5423					A610	HVA1709662A	R	A B 522 L5/8.4	324007			CRD-HCU-5423+	4320
.5"SOLENOID INSERT EXHAUST VALVE													
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/5427					A610	HVA1709662A	R	A B 522 L5/8.4	324007			CRD-HCU-5427+	4320
.5"SOLENOID INSERT EXHAUST VALVE													
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/5431					A610	HVA1709662A	R	A B 522 K2/8.4	324007			CRD-HCU-5431+	4320
.5"SOLENOID INSERT EXHAUST VALVE													
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/5435					A610	HVA1709662A	R	A B 522 K2/8.4	324007			CRD-HCU-5435+	4320
.5"SOLENOID INSERT EXHAUST VALVE													
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/5439					A610	HVA1709662A	R	A B 522 K2/8.4	324007			CRD-HCU-5439+	4320
.5"SOLENOID INSERT EXHAUST VALVE													
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/5443					A610	HVA1709662A	R	A B 522 K2/8.4	324007			CRD-HCU-5443+	4320
.5"SOLENOID INSERT EXHAUST VALVE													
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/5447					A610	HVA1709662A	R	A B 522 K2/8.4	324007			CRD-HCU-5447+	4320
.5"SOLENOID INSERT EXHAUST VALVE													
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/5819					A610	HVA1709662A	R	A B 522 L5/8.4	324007			CRD-HCU-5819+	4320
.5"SOLENOID INSERT EXHAUST VALVE													
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/5823					A610	HVA1709662A	R	A B 522 L5/8.4	324007			CRD-HCU-5823+	4320
.5"SOLENOID INSERT EXHAUST VALVE													
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-121/5827					A610	HVA1709662A	R	A B 522 L5/8.4	324007			CRD-HCU-5827+	4320
.5"SOLENOID INSERT EXHAUST VALVE													
02C12	2	A	2 0	A,B1		M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TM	HL TEST / ROOM	ANL	FQ C / ACCURACY	FREQ	AGING	DBE	C	HOURS	COMPOSITE EPN
CRD-SV-121/5831			A610			HVA1709662A	R	522	K2/8.4	A	B	324007								4320	
.5"SOLENOID INSERT EXHAUST VALVE																					
02C12	2	A	2 0	A,B1	M528				C4												CRD-HCU-5831+
CRD-SV-121/5835			A610			HVA1709662A	R	522	K2/8.4	A	B	324007								4320	
.5"SOLENOID INSERT EXHAUST VALVE																					
02C12	2	A	2 0	A,B1	M528				C4												CRD-HCU-5835+
CRD-SV-121/5839			A610			HVA1709662A	R	522	K2/8.4	A	B	324007								4320	
.5"SOLENOID INSERT EXHAUST VALVE																					
02C12	2	A	2 0	A,B1	M528				C4												CRD-HCU-5839+
CRD-SV-121/5843			A610			HVA1709662A	R	522	K2/8.4	A	B	324007								4320	
.5"SOLENOID INSERT EXHAUST VALVE																					
02C12	2	A	2 0	A,B1	M528				C4												CRD-HCU-5843+
CRD-SV-122/0219			A610			HVA1709662A	R	522	L5/8.4	A	B	324007								4320	
.5"SOLENOID WITHDRAW DRIVE VALVE																					
02C12	2	A	2 0	A,B1	M528				C4												CRD-HCU-0219+
CRD-SV-122/0223			A610			HVA1709662A	R	522	L5/8.4	A	B	324007								4320	
.5"SOLENOID WITHDRAW DRIVE VALVE																					
02C12	2	A	2 0	A,B1	M528				C4												CRD-HCU-0223+
CRD-SV-122/0227			A610			HVA1709662A	R	522	L5/8.4	A	B	324007								4320	
.5"SOLENOID WITHDRAW DRIVE VALVE																					
02C12	2	A	2 0	A,B1	M528				C4												CRD-HCU-0227+
CRD-SV-122/0231			A610			HVA1709662A	R	522	L5/8.4	A	B	324007								4320	
.5"SOLENOID WITHDRAW DRIVE VALVE																					
02C12	2	A	2 0	A,B1	M528				C4												CRD-HCU-0231+
CRD-SV-122/0235			A610			HVA1709662A	R	522	K2/8.4	A	B	324007								4320	
.5"SOLENOID WITHDRAW DRIVE VALVE																					
02C12	2	A	2 0	A,B1	M528				C4												CRD-HCU-0235+
CRD-SV-122/0239			A610			HVA1709662A	R	522	K2/8.4	A	B	324007								4320	
.5"SOLENOID WITHDRAW DRIVE VALVE																					
02C12	2	A	2 0	A,B1	M528				C4												CRD-HCU-0239+
CRD-SV-122/0243			A610			HVA1709662A	R	522	K2/8.4	A	B	324007								4320	
.5"SOLENOID WITHDRAW DRIVE VALVE																					
02C12	2	A	2 0	A,B1	M528				C4												CRD-HCU-0243+
CRD-SV-122/0615			A610			HVA1709662A	R	522	L5/8.4	A	B	324007								4320	
.5"SOLENOID WITHDRAW DRIVE VALVE																					
02C12	2	A	2 0	A,B1	M528				C4												CRD-HCU-0615+
CRD-SV-122/0619			A610			HVA1709662A	R	522	L5/8.4	A	B	324007								4320	
.5"SOLENOID WITHDRAW DRIVE VALVE																					
02C12	2	A	2 0	A,B1	M528				C4												CRD-HCU-0619+

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / HL TEST / ROOM	ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
CRD-SV-122/0623					A610	HVA1709662A		A B	324007						4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R 522 L5/8.4						CRD-HCU-0623+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-122/0627					A610	HVA1709662A		A B	324007						4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R 522 L5/8.4						CRD-HCU-0627+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-122/0631					A610	HVA1709662A		A B	324007						4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R 522 L5/8.4						CRD-HCU-0631+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-122/0635					A610	HVA1709662A		A B	324007						4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R 522 K2/8.4						CRD-HCU-0635+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-122/0639					A610	HVA1709662A		A B	324007						4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R 522 K2/8.4						CRD-HCU-0639+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-122/0643					A610	HVA1709662A		A B	324007						4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R 522 K2/8.4						CRD-HCU-0643+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-122/0647					A610	HVA1709662A		A B	324007						4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R 522 K2/8.4						CRD-HCU-0647+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-122/1011					A610	HVA1709662A		A B	324007						4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R 522 L5/8.4						CRD-HCU-1011+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-122/1015					A610	HVA1709662A		A B	324007						4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R 522 L5/8.4						CRD-HCU-1015+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-122/1019					A610	HVA1709662A		A B	324007						4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R 522 L5/8.4						CRD-HCU-1019+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-122/1023					A610	HVA1709662A		A B	324007						4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R 522 L5/8.4						CRD-HCU-1023+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-122/1027					A610	HVA1709662A		A B	324007						4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R 522 L5/8.4						CRD-HCU-1027+		
02C12	2	A	2 0	A,B1		M528		C4							
CRD-SV-122/1031					A610	HVA1709662A		A B	324007						4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R 522 L5/8.4						CRD-HCU-1031+		
02C12	2	A	2 0	A,B1		M528		C4							

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-122/1035					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-1035+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-122/1039					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-1039+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-122/1043					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-1043+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-122/1047					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-1047+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-122/1051					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-1051+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-122/1407					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4					CRD-HCU-1407+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-122/1411					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4					CRD-HCU-1411+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-122/1415					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4					CRD-HCU-1415+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-122/1419					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4					CRD-HCU-1419+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-122/1423					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4					CRD-HCU-1423+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-122/1427					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4					CRD-HCU-1427+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-122/1431					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4					CRD-HCU-1431+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-122/1435					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-1435+	
02C12	2	A	2 0	A,B1	M528	C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS / DETAIL	S	E	QID / ZONE	TM	HL	TEST	ANL	FO	C	FREQ	ENV. (E) PARAMETERS / AGING	DBE	C	HOURS
CRD-SV-122/1439					A610	HVA1709662A			A/E ZONE	A	B	324007											4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4											CRD-HCU-1439+			
02C12	2	A	2	0	A,B1	M528			C4														
CRD-SV-122/1443					A610	HVA1709662A				A	B	324007											4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4											CRD-HCU-1443+			
02C12	2	A	2	0	A,B1	M528			C4														
CRD-SV-122/1447					A610	HVA1709662A				A	B	324007											4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4											CRD-HCU-1447+			
02C12	2	A	2	0	A,B1	M528			C4														
CRD-SV-122/1451					A610	HVA1709662A				A	B	324007											4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4											CRD-HCU-1451+			
02C12	2	A	2	0	A,B1	M528			C4														
CRD-SV-122/1455					A610	HVA1709662A				A	B	324007											4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4											CRD-HCU-1455+			
02C12	2	A	2	0	A,B1	M528			C4														
CRD-SV-122/1803					A610	HVA1709662A				A	B	324007											4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4											CRD-HCU-1803+			
02C12	2	A	2	0	A,B1	M528			C4														
CRD-SV-122/1807					A610	HVA1709662A				A	B	324007											4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4											CRD-HCU-1807+			
02C12	2	A	2	0	A,B1	M528			C4														
CRD-SV-122/1811					A610	HVA1709662A				A	B	324007											4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4											CRD-HCU-1811+			
02C12	2	A	2	0	A,B1	M528			C4														
CRD-SV-122/1815					A610	HVA1709662A				A	B	324007											4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4											CRD-HCU-1815+			
02C12	2	A	2	0	A,B1	M528			C4														
CRD-SV-122/1819					A610	HVA1709662A				A	B	324007											4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4											CRD-HCU-1819+			
02C12	2	A	2	0	A,B1	M528			C4														
CRD-SV-122/1823					A610	HVA1709662A				A	B	324007											4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4											CRD-HCU-1823+			
02C12	2	A	2	0	A,B1	M528			C4														
CRD-SV-122/1827					A610	HVA1709662A				A	B	324007											4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4											CRD-HCU-1827+			
02C12	2	A	2	0	A,B1	M528			C4														
CRD-SV-122/1831					A610	HVA1709662A				A	B	324007											4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4											CRD-HCU-1831+			
02C12	2	A	2	0	A,B1	M528			C4														

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S	F	QID / ZONE	TM	HL	TEST	ANL	EQ	C	FREQ	ENV. AGING	(E) PARAMETERS DBE	C	HOURS	COMPOSITE EPN
CRD-SV-122/1835					A610	HVA1709662A				A	B	324007												
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4														4320	CRD-HCU-1835+
02C12	2	A	2 0	A,B1		M528			C4															
CRD-SV-122/1839					A610	HVA1709662A				A	B	324007												
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4														4320	CRD-HCU-1839+
02C12	2	A	2 0	A,B1		M528			C4															
CRD-SV-122/1843					A610	HVA1709662A				A	B	324007												
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4														4320	CRD-HCU-1843+
02C12	2	A	2 0	A,B1		M528			C4															
CRD-SV-122/1847					A610	HVA1709662A				A	B	324007												
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4														4320	CRD-HCU-1847+
02C12	2	A	2 0	A,B1		M528			C4															
CRD-SV-122/1851					A610	HVA1709662A				A	B	324007												
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4														4320	CRD-HCU-1851+
02C12	2	A	2 0	A,B1		M528			C4															
CRD-SV-122/1855					A610	HVA1709662A				A	B	324007												
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4														4320	CRD-HCU-1855+
02C12	2	A	2 0	A,B1		M528			C4															
CRD-SV-122/1859					A610	HVA1709662A				A	B	324007												
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4														4320	CRD-HCU-1859+
02C12	2	A	2 0	A,B1		M528			C4															
CRD-SV-122/2203					A610	HVA1709662A				A	B	324007												
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4														4320	CRD-HCU-2203+
02C12	2	A	2 0	A,B1		M528			C4															
CRD-SV-122/2207					A610	HVA1709662A				A	B	324007												
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4														4320	CRD-HCU-2207+
02C12	2	A	2 0	A,B1		M528			C4															
CRD-SV-122/2211					A610	HVA1709662A				A	B	324007												
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4														4320	CRD-HCU-2211+
02C12	2	A	2 0	A,B1		M528			C4															
CRD-SV-122/2215					A610	HVA1709662A				A	B	324007												
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4														4320	CRD-HCU-2215+
02C12	2	A	2 0	A,B1		M528			C4															
CRD-SV-122/2219					A610	HVA1709662A				A	B	324007												
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4														4320	CRD-HCU-2219+
02C12	2	A	2 0	A,B1		M528			C4															
CRD-SV-122/2223					A610	HVA1709662A				A	B	324007												
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4														4320	CRD-HCU-2223+
02C12	2	A	2 0	A,B1		M528			C4															

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV	STATUS / DETAIL	S E / A/E ZONE	QID / ZONE	TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	ENV. (E) PARAMETERS AGING / COMPOSITE EPN	DBE	C	HOURS
CRD-SV-122/2227			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4						CRD-HCU-2227+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-122/2231			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4						CRD-HCU-2231+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-122/2235			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4						CRD-HCU-2235+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-122/2239			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4						CRD-HCU-2239+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-122/2243			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4						CRD-HCU-2243+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-122/2247			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4						CRD-HCU-2247+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-122/2251			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4						CRD-HCU-2251+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-122/2255			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4						CRD-HCU-2255+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-122/2259			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4						CRD-HCU-2259+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-122/2603			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4						CRD-HCU-2603+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-122/2607			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4						CRD-HCU-2607+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-122/2611			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4						CRD-HCU-2611+			
02C12	2	A	2 0	A,B1		M528			C4								
CRD-SV-122/2615			A610		HVA1709662A				A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4						CRD-HCU-2615+			
02C12	2	A	2 0	A,B1		M528			C4								

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG ELEV DRAWING	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL ED C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-122/2619					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4						CRD-HCU-2619+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-122/2623					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4						CRD-HCU-2623+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-122/2627					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4						CRD-HCU-2627+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-122/2631					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4						CRD-HCU-2631+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-122/2635					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4						CRD-HCU-2635+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-122/2639					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4						CRD-HCU-2639+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-122/2643					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4						CRD-HCU-2643+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-122/2647					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4						CRD-HCU-2647+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-122/2651					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4						CRD-HCU-2651+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-122/2655					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4						CRD-HCU-2655+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-122/2659					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4						CRD-HCU-2659+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-122/3003					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4						CRD-HCU-3003+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-122/3007					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4						CRD-HCU-3007+	
02C12	2	A	2 0	A,B1		M528	C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	ENV. (E) PARAMETERS / AGING	DBE	C	HOURS	COMPOSITE EPN
CRD-SV-122/3011					A610	HVA1709662A			A B	324007							4320	
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4										CRD-HCU-3011+
02C12	2	A	2 0	A,B1	M528			C4										
CRD-SV-122/3015					A610	HVA1709662A			A B	324007							4320	
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4										CRD-HCU-3015+
02C12	2	A	2 0	A,B1	M528			C4										
CRD-SV-122/3019					A610	HVA1709662A			A B	324007							4320	
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4										CRD-HCU-3019+
02C12	2	A	2 0	A,B1	M528			C4										
CRD-SV-122/3023					A610	HVA1709662A			A B	324007							4320	
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4										CRD-HCU-3023+
02C12	2	A	2 0	A,B1	M528			C4										
CRD-SV-122/3027					A610	HVA1709662A			A B	324007							4320	
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4										CRD-HCU-3027+
02C12	2	A	2 0	A,B1	M528			C4										
CRD-SV-122/3031					A610	HVA1709662A			A B	324007							4320	
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4										CRD-HCU-3031+
02C12	2	A	2 0	A,B1	M528			C4										
CRD-SV-122/3035					A610	HVA1709662A			A B	324007							4320	
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4										CRD-HCU-3035+
02C12	2	A	2 0	A,B1	M528			C4										
CRD-SV-122/3039					A610	HVA1709662A			A B	324007							4320	
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4										CRD-HCU-3039+
02C12	2	A	2 0	A,B1	M528			C4										
CRD-SV-122/3043					A610	HVA1709662A			A B	324007							4320	
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4										CRD-HCU-3043+
02C12	2	A	2 0	A,B1	M528			C4										
CRD-SV-122/3047					A610	HVA1709662A			A B	324007							4320	
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4										CRD-HCU-3047+
02C12	2	A	2 0	A,B1	M528			C4										
CRD-SV-122/3051					A610	HVA1709662A			A B	324007							4320	
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4										CRD-HCU-3051+
02C12	2	A	2 0	A,B1	M528			C4										
CRD-SV-122/3055					A610	HVA1709662A			A B	324007							4320	
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4										CRD-HCU-3055+
02C12	2	A	2 0	A,B1	M528			C4										
CRD-SV-122/3059					A610	HVA1709662A			A B	324007							4320	
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4										CRD-HCU-3059+
02C12	2	A	2 0	A,B1	M528			C4										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL	TEST	ANL	FO	C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE	C	HOURS
CRD-SV-122/3403			A610		HVA1709662A					A	B	324007										4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4										CRD-HCU-3403+			
02C12	2	A	2 0	A,B1		M528			C4													
CRD-SV-122/3407			A610		HVA1709662A					A	B	324007										4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4										CRD-HCU-3407+			
02C12	2	A	2 0	A,B1		M528			C4													
CRD-SV-122/3411			A610		HVA1709662A					A	B	324007										4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4										CRD-HCU-3411+			
02C12	2	A	2 0	A,B1		M528			C4													
CRD-SV-122/3415			A610		HVA1709662A					A	B	324007										4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4										CRD-HCU-3415+			
02C12	2	A	2 0	A,B1		M528			C4													
CRD-SV-122/3419			A610		HVA1709662A					A	B	324007										4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4										CRD-HCU-3419+			
02C12	2	A	2 0	A,B1		M528			C4													
CRD-SV-122/3423			A610		HVA1709662A					A	B	324007										4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4										CRD-HCU-3423+			
02C12	2	A	2 0	A,B1		M528			C4													
CRD-SV-122/3427			A610		HVA1709662A					A	B	324007										4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	L5/8.4										CRD-HCU-3427+			
02C12	2	A	2 0	A,B1		M528			C4													
CRD-SV-122/3431			A610		HVA1709662A					A	B	324007										4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4										CRD-HCU-3431+			
02C12	2	A	2 0	A,B1		M528			C4													
CRD-SV-122/3435			A610		HVA1709662A					A	B	324007										4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4										CRD-HCU-3435+			
02C12	2	A	2 0	A,B1		M528			C4													
CRD-SV-122/3439			A610		HVA1709662A					A	B	324007										4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4										CRD-HCU-3439+			
02C12	2	A	2 0	A,B1		M528			C4													
CRD-SV-122/3443			A610		HVA1709662A					A	B	324007										4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4										CRD-HCU-3443+			
02C12	2	A	2 0	A,B1		M528			C4													
CRD-SV-122/3447			A610		HVA1709662A					A	B	324007										4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4										CRD-HCU-3447+			
02C12	2	A	2 0	A,B1		M528			C4													
CRD-SV-122/3451			A610		HVA1709662A					A	B	324007										4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522	K2/8.4										CRD-HCU-3451+			
02C12	2	A	2 0	A,B1		M528			C4													

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG DRAWING	ELEV	STATUS S E / DETAIL A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST / ANL	FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
CRD-SV-122/3455					A610	HVA1709662A		A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4						CRD-HCU-3455+		
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-122/3459					A610	HVA1709662A		A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4						CRD-HCU-3459+		
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-122/3803					A610	HVA1709662A		A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4						CRD-HCU-3803+		
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-122/3807					A610	HVA1709662A		A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4						CRD-HCU-3807+		
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-122/3811					A610	HVA1709662A		A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4						CRD-HCU-3811+		
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-122/3815					A610	HVA1709662A		A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4						CRD-HCU-3815+		
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-122/3819					A610	HVA1709662A		A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4						CRD-HCU-3819+		
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-122/3823					A610	HVA1709662A		A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4						CRD-HCU-3823+		
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-122/3827					A610	HVA1709662A		A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4						CRD-HCU-3827+		
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-122/3831					A610	HVA1709662A		A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4						CRD-HCU-3831+		
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-122/3835					A610	HVA1709662A		A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4						CRD-HCU-3835+		
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-122/3839					A610	HVA1709662A		A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4						CRD-HCU-3839+		
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-122/3843					A610	HVA1709662A		A B	324007							4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4						CRD-HCU-3843+		
02C12	2	A	2 0	A,B1		M528		C4								

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID	ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST	ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE	C	HOURS
CRD-SV-122/3847			A610		HVA1709662A			A	B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4								CRD-HCU-3847+			
02C12	2	A	2 0	A,B1	M528		C4											
CRD-SV-122/3851			A610		HVA1709662A			A	B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4								CRD-HCU-3851+			
02C12	2	A	2 0	A,B1	M528		C4											
CRD-SV-122/3855			A610		HVA1709662A			A	B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4								CRD-HCU-3855+			
02C12	2	A	2 0	A,B1	M528		C4											
CRD-SV-122/3859			A610		HVA1709662A			A	B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4								CRD-HCU-3859+			
02C12	2	A	2 0	A,B1	M528		C4											
CRD-SV-122/4203			A610		HVA1709662A			A	B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4								CRD-HCU-4203+			
02C12	2	A	2 0	A,B1	M528		C4											
CRD-SV-122/4207			A610		HVA1709662A			A	B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4								CRD-HCU-4207+			
02C12	2	A	2 0	A,B1	M528		C4											
CRD-SV-122/4211			A610		HVA1709662A			A	B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4								CRD-HCU-4211+			
02C12	2	A	2 0	A,B1	M528		C4											
CRD-SV-122/4215			A610		HVA1709662A			A	B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4								CRD-HCU-4215+			
02C12	2	A	2 0	A,B1	M528		C4											
CRD-SV-122/4219			A610		HVA1709662A			A	B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4								CRD-HCU-4219+			
02C12	2	A	2 0	A,B1	M528		C4											
CRD-SV-122/4223			A610		HVA1709662A			A	B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4								CRD-HCU-4223+			
02C12	2	A	2 0	A,B1	M528		C4											
CRD-SV-122/4227			A610		HVA1709662A			A	B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4								CRD-HCU-4227+			
02C12	2	A	2 0	A,B1	M528		C4											
CRD-SV-122/4231			A610		HVA1709662A			A	B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4								CRD-HCU-4231+			
02C12	2	A	2 0	A,B1	M528		C4											
CRD-SV-122/4235			A610		HVA1709662A			A	B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4								CRD-HCU-4235+			
02C12	2	A	2 0	A,B1	M528		C4											

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-122/4239			A610		HVA1709662A			A	B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4						CRD-HCU-4239+	
02C12	2	A	2 0	A,B1	M528		C4							
CRD-SV-122/4243			A610		HVA1709662A			A	B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4						CRD-HCU-4243+	
02C12	2	A	2 0	A,B1	M528		C4							
CRD-SV-122/4247			A610		HVA1709662A			A	B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4						CRD-HCU-4247+	
02C12	2	A	2 0	A,B1	M528		C4							
CRD-SV-122/4251			A610		HVA1709662A			A	B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4						CRD-HCU-4251+	
02C12	2	A	2 0	A,B1	M528		C4							
CRD-SV-122/4255			A610		HVA1709662A			A	B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4						CRD-HCU-4255+	
02C12	2	A	2 0	A,B1	M528		C4							
CRD-SV-122/4259			A610		HVA1709662A			A	B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4						CRD-HCU-4259+	
02C12	2	A	2 0	A,B1	M528		C4							
CRD-SV-122/4607			A610		HVA1709662A			A	B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4						CRD-HCU-4607+	
02C12	2	A	2 0	A,B1	M528		C4							
CRD-SV-122/4611			A610		HVA1709662A			A	B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4						CRD-HCU-4611+	
02C12	2	A	2 0	A,B1	M528		C4							
CRD-SV-122/4615			A610		HVA1709662A			A	B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4						CRD-HCU-4615+	
02C12	2	A	2 0	A,B1	M528		C4							
CRD-SV-122/4619			A610		HVA1709662A			A	B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4						CRD-HCU-4619+	
02C12	2	A	2 0	A,B1	M528		C4							
CRD-SV-122/4623			A610		HVA1709662A			A	B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4						CRD-HCU-4623+	
02C12	2	A	2 0	A,B1	M528		C4							
CRD-SV-122/4627			A610		HVA1709662A			A	B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4						CRD-HCU-4627+	
02C12	2	A	2 0	A,B1	M528		C4							
CRD-SV-122/4631			A610		HVA1709662A			A	B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4						CRD-HCU-4631+	
02C12	2	A	2 0	A,B1	M528		C4							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** / TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* / AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-122/4635					A610	HVA1709662A	A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-4635+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-122/4639					A610	HVA1709662A	A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-4639+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-122/4643					A610	HVA1709662A	A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-4643+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-122/4647					A610	HVA1709662A	A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-4647+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-122/4651					A610	HVA1709662A	A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-4651+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-122/4655					A610	HVA1709662A	A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-4655+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-122/5011					A610	HVA1709662A	A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4					CRD-HCU-5011+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-122/5015					A610	HVA1709662A	A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4					CRD-HCU-5015+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-122/5019					A610	HVA1709662A	A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4					CRD-HCU-5019+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-122/5023					A610	HVA1709662A	A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4					CRD-HCU-5023+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-122/5027					A610	HVA1709662A	A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 L5/8.4					CRD-HCU-5027+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-122/5035					A610	HVA1709662A	A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-5035+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-122/5039					A610	HVA1709662A	A B	324007				4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R 522 K2/8.4					CRD-HCU-5039+	
02C12	2	A	2 0	A,B1	M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST	ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE	C	HOURS
CRD-SV-122/5043			A610		HVA1709662A				A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4							CRD-HCU-5043+			
02C12	2	A	2 0	A,B1		M528		C4										
CRD-SV-122/5047			A610		HVA1709662A				A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4							CRD-HCU-5047+			
02C12	2	A	2 0	A,B1		M528		C4										
CRD-SV-122/5051			A610		HVA1709662A				A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4							CRD-HCU-5051+			
02C12	2	A	2 0	A,B1		M528		C4										
CRD-SV-122/5415			A610		HVA1709662A				A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4							CRD-HCU-5415+			
02C12	2	A	2 0	A,B1		M528		C4										
CRD-SV-122/5419			A610		HVA1709662A				A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4							CRD-HCU-5419+			
02C12	2	A	2 0	A,B1		M528		C4										
CRD-SV-122/5423			A610		HVA1709662A				A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4							CRD-HCU-5423+			
02C12	2	A	2 0	A,B1		M528		C4										
CRD-SV-122/5427			A610		HVA1709662A				A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4							CRD-HCU-5427+			
02C12	2	A	2 0	A,B1		M528		C4										
CRD-SV-122/5431			A610		HVA1709662A				A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4							CRD-HCU-5431+			
02C12	2	A	2 0	A,B1		M528		C4										
CRD-SV-122/5435			A610		HVA1709662A				A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4							CRD-HCU-5435+			
02C12	2	A	2 0	A,B1		M528		C4										
CRD-SV-122/5439			A610		HVA1709662A				A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4							CRD-HCU-5439+			
02C12	2	A	2 0	A,B1		M528		C4										
CRD-SV-122/5443			A610		HVA1709662A				A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4							CRD-HCU-5443+			
02C12	2	A	2 0	A,B1		M528		C4										
CRD-SV-122/5447			A610		HVA1709662A				A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 K2/8.4							CRD-HCU-5447+			
02C12	2	A	2 0	A,B1		M528		C4										
CRD-SV-122/5819			A610		HVA1709662A				A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE							R	522 L5/8.4							CRD-HCU-5819+			
02C12	2	A	2 0	A,B1		M528		C4										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	DETAIL / A/E ZONE	STATUS S.E	QID / ZONE	***SEISMIC (S). PARAMETERS*** TM / ROOM	HL TEST / ANL	EQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-SV-122/5823			A610		HVA1709662A			A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4							CRD-HCU-5823+			
02C12	2	A	2 0	A,B1	M528		C4										
CRD-SV-122/5827			A610		HVA1709662A			A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 L5/8.4							CRD-HCU-5827+			
02C12	2	A	2 0	A,B1	M528		C4										
CRD-SV-122/5831			A610		HVA1709662A			A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4							CRD-HCU-5831+			
02C12	2	A	2 0	A,B1	M528		C4										
CRD-SV-122/5835			A610		HVA1709662A			A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4							CRD-HCU-5835+			
02C12	2	A	2 0	A,B1	M528		C4										
CRD-SV-122/5839			A610		HVA1709662A			A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4							CRD-HCU-5839+			
02C12	2	A	2 0	A,B1	M528		C4										
CRD-SV-122/5843			A610		HVA1709662A			A B	324007								4320
.5"SOLENOID WITHDRAW DRIVE VALVE						R	522 K2/8.4							CRD-HCU-5843+			
02C12	2	A	2 0	A,B1	M528		C4										
CRD-SV-123/0219			A610		HVA1709662A			A B	324007								4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 L5/8.4							CRD-HCU-0219+			
02C12	2	A	2 0	A,B1	M528		C4										
CRD-SV-123/0223			A610		HVA1709662A			A B	324007								4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 L5/8.4							CRD-HCU-0223+			
02C12	2	A	2 0	A,B1	M528		C4										
CRD-SV-123/0227			A610		HVA1709662A			A B	324007								4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 L5/8.4							CRD-HCU-0227+			
02C12	2	A	2 0	A,B1	M528		C4										
CRD-SV-123/0231			A610		HVA1709662A			A B	324007								4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 L5/8.4							CRD-HCU-0231+			
02C12	2	A	2 0	A,B1	M528		C4										
CRD-SV-123/0235			A610		HVA1709662A			A B	324007								4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 K2/8.4							CRD-HCU-0235+			
02C12	2	A	2 0	A,B1	M528		C4										
CRD-SV-123/0239			A610		HVA1709662A			A B	324007								4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 K2/8.4							CRD-HCU-0239+			
02C12	2	A	2 0	A,B1	M528		C4										
CRD-SV-123/0243			A610		HVA1709662A			A B	324007								4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 K2/8.4							CRD-HCU-0243+			
02C12	2	A	2 0	A,B1	M528		C4										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-123/0615			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4				CRD-HCU-0615+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-123/0619			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4				CRD-HCU-0619+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-123/0623			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4				CRD-HCU-0623+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-123/0627			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4				CRD-HCU-0627+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-123/0631			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4				CRD-HCU-0631+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-123/0635			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	K2/8.4				CRD-HCU-0635+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-123/0639			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	K2/8.4				CRD-HCU-0639+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-123/0643			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	K2/8.4				CRD-HCU-0643+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-123/0647			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	K2/8.4				CRD-HCU-0647+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-123/1011			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4				CRD-HCU-1011+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-123/1015			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4				CRD-HCU-1015+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-123/1019			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4				CRD-HCU-1019+	
02C12	2	A	2 0	A,B1	M528		C4					
CRD-SV-123/1023			A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4				CRD-HCU-1023+	
02C12	2	A	2 0	A,B1	M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID	ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-123/1027			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					CRD-HCU-1027+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/1031			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					CRD-HCU-1031+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/1035			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4					CRD-HCU-1035+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/1039			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4					CRD-HCU-1039+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/1043			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4					CRD-HCU-1043+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/1047			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4					CRD-HCU-1047+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/1051			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4					CRD-HCU-1051+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/1407			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					CRD-HCU-1407+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/1415			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					CRD-HCU-1415+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/1419			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					CRD-HCU-1419+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/1423			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					CRD-HCU-1423+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/1427			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					CRD-HCU-1427+	
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/1431			A610		HVA1709662A			A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					CRD-HCU-1431+	
02C12	2	A	2 0	A,B1		M528		C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-123/1435			A610		HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE						R 522 K2/8.4						4320
02C12	2	A	2 0	A,B1	M528	C4					CRD-HCU-1435+	
CRD-SV-123/1439			A610		HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE						R 522 K2/8.4						4320
02C12	2	A	2 0	A,B1	M528	C4					CRD-HCU-1439+	
CRD-SV-123/1443			A610		HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE						R 522 K2/8.4						4320
02C12	2	A	2 0	A,B1	M528	C4					CRD-HCU-1443+	
CRD-SV-123/1447			A610		HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE						R 522 K2/8.4						4320
02C12	2	A	2 0	A,B1	M528	C4					CRD-HCU-1447+	
CRD-SV-123/1451			A610		HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE						R 522 K2/8.4						4320
02C12	2	A	2 0	A,B1	M528	C4					CRD-HCU-1451+	
CRD-SV-123/1455			A610		HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE						R 522 K2/8.4						4320
02C12	2	A	2 0	A,B1	M528	C4					CRD-HCU-1455+	
CRD-SV-123/1803			A610		HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE						R 522 L5/8.4						4320
02C12	2	A	2 0	A,B1	M528	C4					CRD-HCU-1803+	
CRD-SV-123/1807			A610		HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE						R 522 L5/8.4						4320
02C12	2	A	2 0	A,B1	M528	C4					CRD-HCU-1807+	
CRD-SV-123/1811			A610		HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE						R 522 L5/8.4						4320
02C12	2	A	2 0	A,B1	M528	C4					CRD-HCU-1811+	
CRD-SV-123/1815			A610		HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE						R 522 L5/8.4						4320
02C12	2	A	2 0	A,B1	M528	C4					CRD-HCU-1815+	
CRD-SV-123/1819			A610		HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE						R 522 L5/8.4						4320
02C12	2	A	2 0	A,B1	M528	C4					CRD-HCU-1819+	
CRD-SV-123/1823			A610		HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE						R 522 L5/8.4						4320
02C12	2	A	2 0	A,B1	M528	C4					CRD-HCU-1823+	
CRD-SV-123/1827			A610		HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE						R 522 L5/8.4						4320
02C12	2	A	2 0	A,B1	M528	C4					CRD-HCU-1827+	

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-123/1831					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522 L5/8.4					CRD-HCU-1831+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-123/1835					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522 K2/8.4					CRD-HCU-1835+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-123/1839					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522 K2/8.4					CRD-HCU-1839+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-123/1843					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522 K2/8.4					CRD-HCU-1843+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-123/1847					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522 K2/8.4					CRD-HCU-1847+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-123/1851					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522 K2/8.4					CRD-HCU-1851+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-123/1855					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522 K2/8.4					CRD-HCU-1855+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-123/1859					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522 K2/8.4					CRD-HCU-1859+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-123/2203					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522 L5/8.4					CRD-HCU-2203+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-123/2207					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522 L5/8.4					CRD-HCU-2207+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-123/2211					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522 L5/8.4					CRD-HCU-2211+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-123/2215					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522 L5/8.4					CRD-HCU-2215+	
02C12	2	A	2 0	A,B1	M528	C4						
CRD-SV-123/2219					A610 HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE						R 522 L5/8.4					CRD-HCU-2219+	
02C12	2	A	2 0	A,B1	M528	C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E	BLDG / DRAWING	ELEV	STATUS / DETAIL / A/E	S E	ZONE	QID	TM	HL	TEST	ANL	FO	C	FREQ	ACCURACY	AGING	DBE	C	HOURS	COMPOSITE EPN
CRD-SV-123/2223			A610		HVA1709662A				A B	324007														
.5"SOLENOID INSERT DRIVE VALVE						R	522	L5/8.4															4320	CRD-HCU-2223+
02C12	2	A	2 0	A,B1	M528			C4																
CRD-SV-123/2227			A610		HVA1709662A				A B	324007														
.5"SOLENOID INSERT DRIVE VALVE						R	522	L5/8.4															4320	CRD-HCU-2227+
02C12	2	A	2 0	A,B1	M528			C4																
CRD-SV-123/2231			A610		HVA1709662A				A B	324007														
.5"SOLENOID INSERT DRIVE VALVE						R	522	L5/8.4															4320	CRD-HCU-2231+
02C12	2	A	2 0	A,B1	M528			C4																
CRD-SV-123/2235			A610		HVA1709662A				A B	324007														
.5"SOLENOID INSERT DRIVE VALVE						R	522	K2/8.4															4320	CRD-HCU-2235+
02C12	2	A	2 0	A,B1	M528			C4																
CRD-SV-123/2239			A610		HVA1709662A				A B	324007														
.5"SOLENOID INSERT DRIVE VALVE						R	522	K2/8.4															4320	CRD-HCU-2239+
02C12	2	A	2 0	A,B1	M528			C4																
CRD-SV-123/2243			A610		HVA1709662A				A B	324007														
.5"SOLENOID INSERT DRIVE VALVE						R	522	K2/8.4															4320	CRD-HCU-2243+
02C12	2	A	2 0	A,B1	M528			C4																
CRD-SV-123/2247			A610		HVA1709662A				A B	324007														
.5"SOLENOID INSERT DRIVE VALVE						R	522	K2/8.4															4320	CRD-HCU-2247+
02C12	2	A	2 0	A,B1	M528			C4																
CRD-SV-123/2251			A610		HVA1709662A				A B	324007														
.5"SOLENOID INSERT DRIVE VALVE						R	522	K2/8.4															4320	CRD-HCU-2251+
02C12	2	A	2 0	A,B1	M528			C4																
CRD-SV-123/2255			A610		HVA1709662A				A B	324007														
.5"SOLENOID INSERT DRIVE VALVE						R	522	K2/8.4															4320	CRD-HCU-2255+
02C12	2	A	2 0	A,B1	M528			C4																
CRD-SV-123/2259			A610		HVA1709662A				A B	324007														
.5"SOLENOID INSERT DRIVE VALVE						R	522	K2/8.4															4320	CRD-HCU-2259+
02C12	2	A	2 0	A,B1	M528			C4																
CRD-SV-123/2603			A610		HVA1709662A				A B	324007														
.5"SOLENOID INSERT DRIVE VALVE						R	522	L5/8.4															4320	CRD-HCU-2603+
02C12	2	A	2 0	A,B1	M528			C4																
CRD-SV-123/2607			A610		HVA1709662A				A B	324007														
.5"SOLENOID INSERT DRIVE VALVE						R	522	L5/8.4															4320	CRD-HCU-2607+
02C12	2	A	2 0	A,B1	M528			C4																
CRD-SV-123/2611			A610		HVA1709662A				A B	324007														
.5"SOLENOID INSERT DRIVE VALVE						R	522	L5/8.4															4320	CRD-HCU-2611+
02C12	2	A	2 0	A,B1	M528			C4																

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG DRAWING	ELEV	STATUS S E / DETAIL A/E ZONE	QID	ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-123/2615					A610	HVA1709662A	R	522 L5/8.4	A B	324007			CRD-HCU-2615+	4320
.5"SOLENOID INSERT DRIVE VALVE														
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/2619					A610	HVA1709662A	R	522 L5/8.4	A B	324007			CRD-HCU-2619+	4320
.5"SOLENOID INSERT DRIVE VALVE														
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/2623					A610	HVA1709662A	R	522 L5/8.4	A B	324007			CRD-HCU-2623+	4320
.5"SOLENOID INSERT DRIVE VALVE														
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/2627					A610	HVA1709662A	R	522 L5/8.4	A B	324007			CRD-HCU-2627+	4320
.5"SOLENOID INSERT DRIVE VALVE														
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/2631					A610	HVA1709662A	R	522 L5/8.4	A B	324007			CRD-HCU-2631+	4320
.5"SOLENOID INSERT DRIVE VALVE														
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/2635					A610	HVA1709662A	R	522 K2/8.4	A B	324007			CRD-HCU-2635+	4320
.5"SOLENOID INSERT DRIVE VALVE														
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/2639					A610	HVA1709662A	R	522 K2/8.4	A B	324007			CRD-HCU-2639+	4320
.5"SOLENOID INSERT DRIVE VALVE														
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/2643					A610	HVA1709662A	R	522 K2/8.4	A B	324007			CRD-HCU-2643+	4320
.5"SOLENOID INSERT DRIVE VALVE														
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/2647					A610	HVA1709662A	R	522 K2/8.4	A B	324007			CRD-HCU-2647+	4320
.5"SOLENOID INSERT DRIVE VALVE														
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/2651					A610	HVA1709662A	R	522 K2/8.4	A B	324007			CRD-HCU-2651+	4320
.5"SOLENOID INSERT DRIVE VALVE														
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/2655					A610	HVA1709662A	R	522 K2/8.4	A B	324007			CRD-HCU-2655+	4320
.5"SOLENOID INSERT DRIVE VALVE														
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/2659					A610	HVA1709662A	R	522 K2/8.4	A B	324007			CRD-HCU-2659+	4320
.5"SOLENOID INSERT DRIVE VALVE														
02C12	2	A	2 0	A,B1		M528		C4						
CRD-SV-123/3003					A610	HVA1709662A	R	522 L5/8.4	A B	324007			CRD-HCU-3003+	4320
.5"SOLENOID INSERT DRIVE VALVE														
02C12	2	A	2 0	A,B1		M528		C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG DRAWING	ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
CRD-SV-123/3007			A610		HVA1709662A				A B	324007						
.5"SOLENOID INSERT DRIVE VALVE							R	522 L5/8.4						CRD-HCU-3007+		4320
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-123/3011			A610		HVA1709662A				A B	324007						
.5"SOLENOID INSERT DRIVE VALVE							R	522 L5/8.4						CRD-HCU-3011+		4320
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-123/3015			A610		HVA1709662A				A B	324007						
.5"SOLENOID INSERT DRIVE VALVE							R	522 L5/8.4						CRD-HCU-3015+		4320
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-123/3019			A610		HVA1709662A				A B	324007						
.5"SOLENOID INSERT DRIVE VALVE							R	522 L5/8.4						CRD-HCU-3019+		4320
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-123/3023			A610		HVA1709662A				A B	324007						
.5"SOLENOID INSERT DRIVE VALVE							R	522 L5/8.4						CRD-HCU-3023+		4320
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-123/3027			A610		HVA1709662A				A B	324007						
.5"SOLENOID INSERT DRIVE VALVE							R	522 L5/8.4						CRD-HCU-3027+		4320
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-123/3031			A610		HVA1709662A				A B	324007						
.5"SOLENOID INSERT DRIVE VALVE							R	522 K2/8.4						CRD-HCU-3031+		4320
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-123/3035			A610		HVA1709662A				A B	324007						
.5"SOLENOID INSERT DRIVE VALVE							R	522 K2/8.4						CRD-HCU-3035+		4320
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-123/3039			A610		HVA1709662A				A B	324007						
.5"SOLENOID INSERT DRIVE VALVE							R	522 K2/8.4						CRD-HCU-3039+		4320
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-123/3043			A610		HVA1709662A				A B	324007						
.5"SOLENOID INSERT DRIVE VALVE							R	522 K2/8.4						CRD-HCU-3043+		4320
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-123/3047			A610		HVA1709662A				A B	324007						
.5"SOLENOID INSERT DRIVE VALVE							R	522 K2/8.4						CRD-HCU-3047+		4320
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-123/3051			A610		HVA1709662A				A B	324007						
.5"SOLENOID INSERT DRIVE VALVE							R	522 K2/8.4						CRD-HCU-3051+		4320
02C12	2	A	2 0	A,B1		M528		C4								
CRD-SV-123/3055			A610		HVA1709662A				A B	324007						
.5"SOLENOID INSERT DRIVE VALVE							R	522 K2/8.4						CRD-HCU-3055+		4320
02C12	2	A	2 0	A,B1		M528		C4								

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL	BLDG ELEV / A/E DRAWING	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / HL / ROOM	TEST / ANL / ACCURACY	FO C / FREQ	*ENV. (E) PARAMETERS* AGING / DBE / COMPOSITE EPN	C / HOURS
CRD-SV-123/3059			A610		HVA1709662A		A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	K2/8.4					CRD-HCU-3059+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-123/3403			A610		HVA1709662A		A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4					CRD-HCU-3403+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-123/3407			A610		HVA1709662A		A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4					CRD-HCU-3407+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-123/3411			A610		HVA1709662A		A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4					CRD-HCU-3411+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-123/3415			A610		HVA1709662A		A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4					CRD-HCU-3415+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-123/3419			A610		HVA1709662A		A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4					CRD-HCU-3419+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-123/3423			A610		HVA1709662A		A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4					CRD-HCU-3423+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-123/3427			A610		HVA1709662A		A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	L5/8.4					CRD-HCU-3427+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-123/3431			A610		HVA1709662A		A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	K2/8.4					CRD-HCU-3431+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-123/3435			A610		HVA1709662A		A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	K2/8.4					CRD-HCU-3435+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-123/3439			A610		HVA1709662A		A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	K2/8.4					CRD-HCU-3439+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-123/3443			A610		HVA1709662A		A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	K2/8.4					CRD-HCU-3443+	
02C12	2	A	2 0	A,B1		M528	C4						
CRD-SV-123/3447			A610		HVA1709662A		A B	324007					4320
.5"SOLENOID INSERT DRIVE VALVE						R 522	K2/8.4					CRD-HCU-3447+	
02C12	2	A	2 0	A,B1		M528	C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-123/3451					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-3451+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/3455					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-3455+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/3459					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-3459+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/3803					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4				CRD-HCU-3803+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/3807					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4				CRD-HCU-3807+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/3811					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4				CRD-HCU-3811+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/3815					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4				CRD-HCU-3815+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/3819					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4				CRD-HCU-3819+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/3823					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4				CRD-HCU-3823+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/3827					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4				CRD-HCU-3827+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/3831					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-3831+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/3835					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-3835+	
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/3839					A610	HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-3839+	
02C12	2	A	2 0	A,B1		M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-123/3843			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522 K2/8.4					CRD-HCU-3843+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-123/3847			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522 K2/8.4					CRD-HCU-3847+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-123/3851			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522 K2/8.4					CRD-HCU-3851+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-123/3855			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522 K2/8.4					CRD-HCU-3855+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-123/3859			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522 K2/8.4					CRD-HCU-3859+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-123/4203			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522 L5/8.4					CRD-HCU-4203+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-123/4207			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522 L5/8.4					CRD-HCU-4207+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-123/4211			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522 L5/8.4					CRD-HCU-4211+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-123/4215			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522 L5/8.4					CRD-HCU-4215+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-123/4219			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522 L5/8.4					CRD-HCU-4219+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-123/4223			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522 L5/8.4					CRD-HCU-4223+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-123/4227			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522 L5/8.4					CRD-HCU-4227+	4320
02C12	2	A	2 0	A,B1	M528		C4						
CRD-SV-123/4231			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522 K2/8.4					CRD-HCU-4231+	4320
02C12	2	A	2 0	A,B1	M528		C4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TH HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-123/4235			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4					4320
02C12	2	A	2 0	A,B1		M528		C4				CRD-HCU-4235+	
CRD-SV-123/4239			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4					4320
02C12	2	A	2 0	A,B1		M528		C4				CRD-HCU-4239+	
CRD-SV-123/4243			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4					4320
02C12	2	A	2 0	A,B1		M528		C4				CRD-HCU-4243+	
CRD-SV-123/4247			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4					4320
02C12	2	A	2 0	A,B1		M528		C4				CRD-HCU-4247+	
CRD-SV-123/4251			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4					4320
02C12	2	A	2 0	A,B1		M528		C4				CRD-HCU-4251+	
CRD-SV-123/4255			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4					4320
02C12	2	A	2 0	A,B1		M528		C4				CRD-HCU-4255+	
CRD-SV-123/4259			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4					4320
02C12	2	A	2 0	A,B1		M528		C4				CRD-HCU-4259+	
CRD-SV-123/4607			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					4320
02C12	2	A	2 0	A,B1		M528		C4				CRD-HCU-4607+	
CRD-SV-123/4611			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					4320
02C12	2	A	2 0	A,B1		M528		C4				CRD-HCU-4611+	
CRD-SV-123/4615			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					4320
02C12	2	A	2 0	A,B1		M528		C4				CRD-HCU-4615+	
CRD-SV-123/4619			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					4320
02C12	2	A	2 0	A,B1		M528		C4				CRD-HCU-4619+	
CRD-SV-123/4623			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					4320
02C12	2	A	2 0	A,B1		M528		C4				CRD-HCU-4623+	
CRD-SV-123/4627			A610		HVA1709662A			A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4					4320
02C12	2	A	2 0	A,B1		M528		C4				CRD-HCU-4627+	

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-123/4631					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-4631+	4320
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/4635					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-4635+	4320
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/4639					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-4639+	4320
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/4643					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-4643+	4320
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/4647					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-4647+	4320
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/4651					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-4651+	4320
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/4655					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-4655+	4320
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/5011					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4				CRD-HCU-5011+	4320
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/5015					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4				CRD-HCU-5015+	4320
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/5019					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4				CRD-HCU-5019+	4320
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/5023					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4				CRD-HCU-5023+	4320
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/5027					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	L5/8.4				CRD-HCU-5027+	4320
02C12	2	A	2 0	A,B1		M528		C4					
CRD-SV-123/5031					A610	HVA1709662A		A B	324007				
.5"SOLENOID INSERT DRIVE VALVE							R 522	K2/8.4				CRD-HCU-5031+	4320
02C12	2	A	2 0	A,B1		M528		C4					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
CRD-SV-123/5035			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 K2/8.4						CRD-HCU-5035+		
02C12	2	A	2 0	A,B1	M528		C4								
CRD-SV-123/5039			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 K2/8.4						CRD-HCU-5039+		
02C12	2	A	2 0	A,B1	M528		C4								
CRD-SV-123/5043			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 K2/8.4						CRD-HCU-5043+		
02C12	2	A	2 0	A,B1	M528		C4								
CRD-SV-123/5047			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 K2/8.4						CRD-HCU-5047+		
02C12	2	A	2 0	A,B1	M528		C4								
CRD-SV-123/5051			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 K2/8.4						CRD-HCU-5051+		
02C12	2	A	2 0	A,B1	M528		C4								
CRD-SV-123/5415			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 L5/8.4						CRD-HCU-5415+		
02C12	2	A	2 0	A,B1	M528		C4								
CRD-SV-123/5419			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 L5/8.4						CRD-HCU-5419+		
02C12	2	A	2 0	A,B1	M528		C4								
CRD-SV-123/5423			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 L5/8.4						CRD-HCU-5423+		
02C12	2	A	2 0	A,B1	M528		C4								
CRD-SV-123/5427			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 L5/8.4						CRD-HCU-5427+		
02C12	2	A	2 0	A,B1	M528		C4								
CRD-SV-123/5431			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 K2/8.4						CRD-HCU-5431+		
02C12	2	A	2 0	A,B1	M528		C4								
CRD-SV-123/5435			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 K2/8.4						CRD-HCU-5435+		
02C12	2	A	2 0	A,B1	M528		C4								
CRD-SV-123/5439			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 K2/8.4						CRD-HCU-5439+		
02C12	2	A	2 0	A,B1	M528		C4								
CRD-SV-123/5443			A610		HVA1709662A			A B	324007						4320
.5"SOLENOID INSERT DRIVE VALVE						R	522 K2/8.4						CRD-HCU-5443+		
02C12	2	A	2 0	A,B1	M528		C4								

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM	HL	TEST	ANL	FQ	C	FREQ	ACCURACY	ENV. (E) PARAMETERS / AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-SV-123/5447					A610	HVA1709662A				A	B	324007												4320
.5"SOLENOID INSERT DRIVE VALVE							R	522	K2/8.4												CRD-HCU-5447+			
02C12	2	A	2	0	A,B1	M528			C4															
CRD-SV-123/5819					A610	HVA1709662A				A	B	324007												4320
.5"SOLENOID INSERT DRIVE VALVE							R	522	L5/8.4												CRD-HCU-5819+			
02C12	2	A	2	0	A,B1	M528			C4															
CRD-SV-123/5823					A610	HVA1709662A				A	B	324007												4320
.5"SOLENOID INSERT DRIVE VALVE							R	522	L5/8.4												CRD-HCU-5823+			
02C12	2	A	2	0	A,B1	M528			C4															
CRD-SV-123/5827					A610	HVA1709662A				A	B	324007												4320
.5"SOLENOID INSERT DRIVE VALVE							R	522	L5/8.4												CRD-HCU-5827+			
02C12	2	A	2	0	A,B1	M528			C4															
CRD-SV-123/5831					A610	HVA1709662A				A	B	324007												4320
.5"SOLENOID INSERT DRIVE VALVE							R	522	K2/8.4												CRD-HCU-5831+			
02C12	2	A	2	0	A,B1	M528			C4															
CRD-SV-123/5835					A610	HVA1709662A				A	B	324007												4320
.5"SOLENOID INSERT DRIVE VALVE							R	522	K2/8.4												CRD-HCU-5835+			
02C12	2	A	2	0	A,B1	M528			C4															
CRD-SV-123/5839					A610	HVA1709662A				A	B	324007												4320
.5"SOLENOID INSERT DRIVE VALVE							R	522	K2/8.4												CRD-HCU-5839+			
02C12	2	A	2	0	A,B1	M528			C4															
CRD-SV-123/5843					A610	HVA1709662A				A	B	324007												4320
.5"SOLENOID INSERT DRIVE VALVE							R	522	K2/8.4												CRD-HCU-5843+			
02C12	2	A	2	0	A,B1	M528			C4															
CRD-V-110A					A499	HVA-103-632				A	B	316007												1.0
1.5" SOL. CAS-F-6 DISCH.							R	529	M.6/3.8			R53												
02C12	2	A	1	3	A	M528			D13															
CRD-V-110B					A499	HVA-103-632				A	B	316007												1.0
1.5" SOL.CAS-F-6 DISCHARGE							R	528	M.8/3.8			R53												
02C12	2	A	1	3	A	M528			D14															
CSP-DPIS-4					B080	288A				B	A	086001	N	14	00			04						4320
PRIMARY SECONDARY CONTAIN.IR-63							R	501	L4/9.3			R43	R305								E-IR-63+			
58	2	A	1	3	G	M543			C14															
CSP-DPIS-5					B080	288A				B	A	086001	N	14	00			04						4320
ATMOS.SECONDARY CONTAIN. IR-64							R	501	N.0/5.1			R43	R305								E-IR-64+			
58	2	A	1	3	G	M543			C6															
CSP-DPIS-6					B080	288A				B	A	086001	N	14	00			04						4320
ATMOS.SECONDARY CONTAIN. IR-64							R	501	N.8/5.5			R43	R305								E-IR-64+			
58	2	A	1	3	G	M543			C6															

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
CSP-LMS-1					N015	D2400X		C B	200009						
LMS FOR CSP-V-1							R 508 M.5/7.6						CSP-V-1+		4320
68	2	A	2 3	B1,F		M543	D5								
CSP-LMS-2					N015	D2400X		C B	200009						
LMS FOR CSP-V-2							R 508 M.5/7.4						CSP-V-2+		4320
M68	2	A	2 3	B1,F		M543	D6								
CSP-LMS-3					N015	D2400X		A B	200015						
LMS FOR CSP-V-3							R 481 M.6/7.6						CSP-V-3+		4320
68	2	A	2 3	B1,F		M543	D5								
CSP-LMS-4					N015	D2400X		A B	200015						
LMS FOR CSP-V-4							R 478 M.6/7.6						CSP-V-4+		4320
68	2	A	2 3	B1,F		M543	C5								
CSP-LMS-5					N015	D2400X		C B	200015	N	14 00	35			
LMS FOR CSP-V-5							R 475 M.7/8.3		R43				CSP-V-5+		4320
68	2	A	2 3	B1,F		M543	C5								
CSP-LMS-6					N015	D2400X		C B	200015	N	14 00	35			
LMS FOR CSP-V-6							R 480 M.5/7.7		R43				CSP-V-6+		4320
68	2	A	2 3	B1,F		M543	B14								
CSP-LMS-9					N015	D2400X		C B	200015						
LMS FOR CSP-V-9							R 490 M.9/5.1		R43				CSP-V-9+		4320
68	2	A	2 3	B1,F		M543	B6								
CSP-POS-10P1					A415	4-3869-001		A	248002						
POS FOR CSP-V-10							R 491 M.9/5.1						CSP-V-10+		4320
	2	A	1 3	I		E519/11	E3								
CSP-POS-10P12					A415	04-3869-002		A	248002						
POS FOR CSP-V-10							R 491 M.9/5.1						CSP-V-10+		4320
	2	A	1 3	I		E519/11	E3								
CSP-POS-10P2					A415	04-3869-001		A	248002						
POS FOR CSP-V-10							R 491 M.9/5.1						CSP-V-10+		4320
	2	A	1 3	I		E519/11	E3								
CSP-POS-10P3					A415	04-3869-001		A	248002						
POS FOR CSP-V-10							R 491 M.9/5.1						CSP-V-10+		4320
	2	A	1 3	I		E519/11	E3								
CSP-POS-10P4					A415	04-3869-001		A	248002						
POS FOR CSP-V-10							R 491 M.9/5.1						CSP-V-10+		4320
3	2	A	1 3	I		E519/11	E3								
CSP-POS-10P9					A415	04-3869-002		A	248002						
POS FOR CSP-V-10							R 491 M.9/5.1						CSP-V-10+		4320
	2	A	1 3	I		E519/11	E3								

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST	ANL EQ C	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS / COMPOSITE EPN
CSP-POS-7P1			A415		04-3869-001	R	475 N.5/7.7	B	A	248002							4320
POS FOR CSP-V-7	2	A	1 3	I	E519/11		E3							CSP-V-7+			
CSP-POS-7P12			A415		04-3869-002	R	475 N.5/7.7		A	248002							4320
POS FOR CSP-V-7	2	A	1 3	I	E519/11		E3							CSP-V-7+			
CSP-POS-7P2			A415		04-3869-001	R	475 N.5/7.7	B	A	248002							4320
POS FOR CSP-V-7	2	A	1 3	I	E519/11		E3							CSP-V-7+			
CSP-POS-7P3			A415		04-3869-001	R	475 N.5/7.7		A	248002							4320
POS FOR CSP-V-7	2	A	1 3	I	E519/11		E3							CSP-V-7+			
CSP-POS-7P4			A415		04-3869-001	R	475 N.5/7.7		A	248002							4320
POS FOR CSP-V-7	2	A	1 3	I	E519/11		E3							CSP-V-7+			
CSP-POS-7P9			A415		04-3869-002	R	475 N.5/7.7	C	A	248002							4320
POS FOR CSP-V-7	2	A	1 3	I	E519/11		E3							CSP-V-7+			
CSP-POS-8P1			A415		04-3869-001	R	491 H.6/6.0	B	A	248002							4320
POS FOR CSP-V-8	2	A	1 3	I	E519/11		E3							CSP-V-8+			
CSP-POS-8P12			A415		04-3869-002	R	491 H.6/6.0		A	248002							4320
POS FOR CSP-V-8	2	A	1 3	I	E519/11		E3							CSP-V-8+			
CSP-POS-8P2			A415		04-3869-001	R	492 H.6/6.0	B	A	248002							4320
POS FOR CSP-V-8	2	A	1 3	I	E519/11		E3							CSP-V-8+			
CSP-POS-8P3			A415		04-3869-001	R	491 H.6/6.0	B	A	248002							4320
POS FOR CSP-V-8	2	A	1 3	I	E519/11		E3							CSP-V-8+			
CSP-POS-8P4			A415		04-3869-001	R	491 H.6/6.0	B	A	248002							4320
POS FOR CSP-V-8	2	A	1 3	I	E519/11		E3							CSP-V-8+			
CSP-POS-8P9			A415		04-3869-002	R	491 H.6/6.0	B	A	248002							4320
POS FOR CSP-V-8	2	A	1 3	I	E519/11		E3							CSP-V-8+			
CSP-RLY-10CR			S440		219 BBXP	R	474 H.6/8.2		A	283041	R31	R212					4320
RLY CLOSE IND CSP-V-10 213	3	A	PNL VB-1A 1 3	I	E519/11		E4							E-CP-VB/1A+			

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL	BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL A/E ZONE	QID / ZONE	TM HL / ROOM	TEST ANL FO C / ACCURACY	FREQ	ENV. (E) PARAMETERS AGING DBE C / COMPOSITE EPN	HOURS
CSP-RLY-10R1			D121		WE741EX2		B A	283017	N	21 00	33+		4320
RLY CLOSE IND CSP-V-10			PNL VB-1A			R 474	H.6/8.2	R31	R212			E-CP-VB/1A+	
213	3	A	1 3	I		E519/11	E4						
CSP-RLY-10R2			D121		WE-74/EX-2		B A	283017	N	21 00	33+		4320
RLY CLOSE IND CSP-V-10			PNL VB-1A			R 474	H.6/8.2	R31	R212			E-CP-VB/1A+	
213	3	A	1 3	I		E519/11	E4						
CSP-RLY-10R5			D121		WE-74/EX-2		B A	283017	N	21 00	33+		4320
RLY OPEN IND CSP-V-10			PNL VB-1A			R 474	H.6/8.2	R31	R212			E-CP-VB/1A+	
213	3	A	1 3	I		E519/11	D4						
CSP-RLY-7CR			S440		219 BBXP		A	283041					4320
RLY CLOSE IND CSP-V-7			PNL VB-1A			R 474	H.6/8.2	R31	R212			E-CP-VB/1A+	
213	3	A	1 3	I		E519/11	E4						
CSP-RLY-7R1			D121		WE-74/EX-2		B A	283017	N	21 00	33+		4320
RLY CLOSE IND CSP-V-7			PNL VB-1A			R 474	H.6/8.2	R31	R212			E-CP-VB/1A+	
213	3	A	1 3	I		E519/11	E4						
CSP-RLY-7R2			D121		WE-74/EX-2		B A	283017	N	21 00	33+		4320
RLY CLOSE IND CSP-V-7			PNL VB-1A			R 474	H.6/8.2	R31	R212			E-CP-VB/1A+	
213	3	A	1 3	I		E519/11	E4						
CSP-RLY-7R5			D121		WE-74/EX-2		B A	283017	N	21 00	33+		4320
RLY OPEN IND CSP-V-7			PNL VB-1A			R 474	H.6/8.2	R31	R212			E-CP-VB/1A+	
213	3	A	1 3	I		E519/11	D4						
CSP-RLY-8CR			S440		219 BBXP		A	283041					4320
RLY CLOSE IND CSP-V-8			PNL VB-1A			R 474	H.6/8.2	R31	R212			E-CP-VB/1A+	
213	3	A	1 3	I		E519/11	E4						
CSP-RLY-8R1			D121		WE-74/EX-2		B A	283017	N	21 00	33+		4320
RLY CLOSE IND CSP-V-8			PNL VB-1A			R 474	H.6/8.2	R31	R212			E-CP-VB/1A+	
213	3	A	1 3	I		E519/11	E4						
CSP-RLY-8R2			D121		WE-74/EX-2		B A	283017	N	21 00	33+		4320
RLY CLOSE IND CSP-V-8			PNL VB-1A			R 474	H.6/8.2	R31	R212			E-CP-VB/1A+	
213	3	A	1 3	I		E519/11	E4						
CSP-RLY-8R3							A						
RLY CLOSE IND CSP-V-8			PNL VB-1A			R 471	H.3/8.0					E-CP-VB/1A+	
	3	A	1 3	I		E519/11	E4						
CSP-RLY-8R4							A						
RLY CLOSE IND CSP-V-8			PNL VB-1A			R 471	H.3/8.0					E-CP-VB/1A+	
	3	A	1 3	I		E519/11	D4						
CSP-RLY-8R5			D121		WE-74/EX-2		B A	283017	N	21 00	33+		4320
RLY OPEN IND CSP-V-8			PNL VB-1A			R 474	H.6/8.2	R31	R212			E-CP-VB/1A+	
213	3	A	1 3	I		E519/11	D4						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID	ZONE	TM	HL TEST ANL EQ C / ROOM	FREQ	ACCURACY	AGING	DBE C	HOURS	COMPOSITE EPN
CSP-SPV-1			A499		WJHT0316A76			A B	315004		N	21 00		33+				4320
SOLENOID PILOT FOR CSP-V-1 IR-66							R 501	N.0/5.1		R43		R305				E-IR-66+		
58	2	A	1 3	B1,F		M543		D5										
CSP-SPV-10A			A499		WJHT831654			A B	315004		N	21 00		33+				4320
SOLENOID PILOT(OPEN)CSP-V-10 IR-65							R 471	N.0/3.9		R33		R206				E-IR-65+		
58	2	A	1 3	B1,F		M543		B6										
CSP-SPV-10B			A499		WJHT831654			A B	315004		N	21 00		33+				4320
SOL.PILOT (CLOSE) CSP-V-10 IR-65							R 471	N.0/3.9		R33		R206				E-IR-65+		
58	2	A	1 3	B1,F		M543		B6										
CSP-SPV-2			A499		WJHT8316A74			A B	315004		N	21 00		33+				4320
SOLENOID PILOT FOR CSP-V-2 IR-63							R 501	L.4/9.3		R43		R305				E-IR-63+		
58	2	A	1 3	B1,F		M543		D6										
CSP-SPV-3			A499		WJHT8316A-76			A B	315004		N	21 00		33+				4320
SOLENOID PILOT FOR CSP-V-3 IR-65							R 471	N.0/3.9		R33		R206				E-IR-65+		
58	2	A	1 3	B1,F		M543		D5										
CSP-SPV-4			A499		WJHT8316A74			A B	315004		N	21 00		33+				4320
SOLENOID PILOT FOR CSP-V-4 - IR-64							R 501	N.0/5.1		R43		R305				E-IR-64+		
58	2	A	1 3	B1,F		M543		C4										
CSP-SPV-5			A499		WJHT8316A74			A B	315004		N	21 00		33+				4320
SOLENOID PILOT FOR CSP-V-5 IR-64							R 501	N.0/5.1		R43		R309				E-IR-64+		
58	2	A	1 3	B1,F		M543		C5										
CSP-SPV-6			A499		WJHT8316A54			A B	315004		N	21 00		33+				4320
SOLENOID PILOT FOR CSP-V-6 IR-63							R 501	L.4/9.3		R43		R305				E-IR-63+		
58	2	A	1 3	B1,F		M543		B14										
CSP-SPV-7A			A499		WJHT831654			A B	315004		N	21 00		33+				4320
SOLENOID PILOT(CLOSE)CSP-V-7 IR-65							R 471	N.0/3.9		R33		R206				E-IR-65+		
58	2	A	1 3	B1,F		M543		C5										
CSP-SPV-7B			A499		WJHT831654			A B	315004		N	21 00		33+				4320
SOLENOID PILOT(OPEN)CSP-V-7 IR-65							R 471	N.0/3.9		R33		R206				E-IR-65+		
58	2	A	1 3	B1,F		M543		C5										
CSP-SPV-8A			A499		WJHT831654			A B	315004		N	21 00		33+				4320
SOL PILOT OPEN FOR CSP-V-8							R 471	H.4/6.8		R32		R206				E-IR-62+		
58	2	A	1 3	B1,F		M543		B15										
CSP-SPV-8B			A499		WJHT831654			A B	315004		N	21 00		33+				4320
SOL PILOTCLOSE FOR CSP-V-8							R 471	H.4/6.8		R32		R206				E-IR-62+		
58	2	A	1 3	B1,F		M543		B15										
CSP-SPV-9			A499		WJMP8316A74-E			A A	315015		N	21 00		33+				4320
SOLENOID PILOT FOR CSP-V-9 IR-64							R 504	N.0/5.1		R43		R305				E-IR-64+		
58	3	A	1 3	B1,F		M543		B6										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	BLDG ELEV / DRAWING	MODEL / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST / ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
E-42-CAC/1AFDR			I005	TYPE *G*				A	A	392001	F					4320
FEEDER TO RECOMBINER VLV ACTUATORS						R	572 M.4/5.8							E-MC-7BB+		
49	2	A	1 0	D		E503/12										
E-42-CAC/1BFDR			I005	TYPE *G*				A	A	392001	F					4320
FEEDER TO RECOMBINER VLV ACTUATORS						R	572 M.7/8.2							E-MC-8BB+		
49	2	A	1 0	D		E503/12										
E-42-CAC/EHC1A			I005	TYPE G				A	A	392001						4320
DISC TO CAC-EHC-1A						R	572 M.7/6.0							E-MC-7BB+		
49	2	A	1 0	H		E503/12										
E-42-CAC/EHC1B			I005	TYPE G				A	A	392001						4320
DISC TO CAC-EHC-1B						R	572 M.5/8.2							E-MC-8BB+		
49	2	A	1 0	H												
E-42-CAC/FN1A			I005	TYPE "B"				A	A	392001						4320
NEMA 2 MOTOR STARTER TO CAC-FN-1A						R	572 M.7/6.0							E-MC-7BB+		
49	2	A	1 0	H												
E-42-CAC/FN1B			I005	TYPE B				A	A	392001						4320
NEMA 1 MOTOR STARTER CAC-FN-1B						R	572 M.7/6.0							E-MC-8BB+		
49	2	A	1 0	H		E503/12										
E-42-ELP/7BA			I005	TYPE "G"				A	A	392001						4320
DISC TO ELP 7BA						R	572 M.7/6.0							E-MC-7BB+		
49	2	A	2 3	H		E503/12	C15									
E-42-ELP/7BB			I005	TYPE "G"				A	A	392001						4320
DISC TO ELP 7BB						R	522 H.4/8.1							E-MC-7B+		
49	2	A	2 3	H		E503/8	G9									
E-42-ELP/8BA			I005	TYPE "G"				A	A	392001						4320
DISC TO ELP 8BA						R	572 M.5/8.2							E-MC-8BA+		
49	2	A	2 3	H		E503/7	G4									
E-42-ELP/8BB			I005	TYPE G				A	A	392001						4320
DISC TO ELP 8BB						R	526 N.0/3.8							E-MC-8B+		
49	2	A	2 3	H		E503/8	C14									
E-42-FPC/V153			I005	TYPE D				A	A	392001						4320
NEMA1 MTR STR FPC-V-153						R	522 N.0/3.9							E-MC-8BA+		
49	2	A	2 3	J.F.B1		E503/7										
E-42-FPC/V154			I005	TYPE D				A	A	392001						4320
NEMA1 MTR STR FPC-V-154						R	522 H.7/8.0							E-MC-7BA+		
49	2	A	2 3	J.F.B2		E503/7										
E-42-FPC/V156			I005	TYPE D				A	A	392001						4320
NEMA1 MTR STR FPC-V-156						R	522 H.7/8.0							E-MC-7BA+		
49	2	A	2 3	J.F.B2		E503/7										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / BLDG ELEV / A/E DRAWING	MODEL / A/E ZONE	STATUS / S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** / TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* / AGING DBE C HOURS / COMPOSITE EPN
E-42-FPC/V172			I005	TYPE D			A A	392001			
NEMA1 MTR STR FPC-V-172					R	522 H.5/8.4					4320
49	2	A	2 3	J,F,B2	E503/7						E-MC-7BA+
E-42-FPC/V173			I005	TYPE D			A A	392001			
NEMA1 MTR STR FPC-V-173					R	522 N.0/3.9					4320
49	2	A	2 3	J,F,B2	E503/7						E-MC-8BA+
E-42-FPC/V175			I005	TYPE D			A A	392001			
NEMA1 MTR STR FPC-V-175					R	522 N.0/4.0					4320
49	2	A	2 3	H	E503/7						E-MC-8BA+
E-42-FPC/V181A			I005	TYPE *D*			A A	392001	F		
NEMA 1 MOTOR STARTER FOR FPC-V181A					R	522 H.7/8.3					4320
49	2	A	2 3	G	E503/7						E-MC-7BA+
E-42-FPC/V181B			I005	TYPE D			A A	392001			
NEMA1 MTR STR FPC-V-154					R	522 N.0/3.9					4320
49	2	A	2 3	J,F,B2	E503/7						E-MC-8BA+
E-42-FPC/V184			I005	TYPE *D*			A A	392001	F		
NEMA 1 MOTOR STARTER FOR FPC-V-184					R	522 N.0/3.9					4320
49	2	A	2 3	B1	E503/7						E-MC-8BA+
E-42-LPCS/FCV11			I005	TYPE D			A A	392001			
NEMA 1 MTR STR LPCS-FCV-11					R	522 H.7/8.3					4320
49	2	A	1 0	H	E503/7						E-MC-7BA+
E-42-LPCS/P2			I005	TYPE A4			A A	392001			
NEMA2 MTR STR LPCS-P-2					R	522 H.3/8.3					4320
49	2	A	1 0	H	E503/8						E-MC-7B+
E-42-LPCS/V1			I005	TYPE D			A A	392001			
NEMA1 MTR STR LPCS-V-1					R	522 H.7/8.3					4320
49	2	A	1 0	H	E503/7						E-MC-7BA+
E-42-LPCS/V12			I005	TYPE D			A A	392001			
NEMA1 MTR STR LPCS-V-12					R	522 H.7/8.3					4320
49	2	A	2 0	H	E503/7						E-MC-7BA+
E-42-LPCS/V5			I005	TYPE D			A A	392001			
NEMA1 MTR STR LPCS-V-5					R	522 H.7/8.3					4320
49	2	A	1 0	H	E503/7						E-MC-7BA+
E-42-MS/V67A			I005	TYPE D			A A	392001			
NEMA1 MTR STR MS-V-67A					R	522 H.7/8.3					4320
49	2	A	1 0	H	E503/7						E-MC-7BA+
E-42-MS/V67B			I005	TYPE D			A A	392001			
NEMA1 MTR STR MS-V-67B					R	522 H.7/8.3					4320
49	2	A	1 0	H	E503/7						E-MC-7BA+

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS / S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** / TM / ROOM	HL TEST / ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* / AGING / COMPOSITE EPN	DBE	C	HOURS
E-42-HS/V67C			I005	TYPE D			A A	392001							
NEMA1 MTR STR HS-V-67C					R	522 H.7/8.3						E-MC-7BA+			4320
49	2	A	1 0	H	E503/7										
E-42-HS/V67D			I005	TYPE D			A A	392001							
NEMA1 MTR STR HS-V-67D					R	522 H.7/8.3						E-MC-7BA+			4320
49	2	A	1 0	H	E503/7										
E-42-HSLC/FN1			I005	TYPE A			A A	392001							
NEMA1 MTR STR HSLC-FN-1					R	526 H.7/8.3						E-MC-7BA+			24
49	2	A	1 0	H	E503/7										
E-42-HSLC/FN2			I005	TYPE D			A A	392001							
STARTING COIL FOR HSLC-FN-2					R	522 N.0/3.5						E-MC-8B+			24
49	2	A	1 0	H	E503/8										
E-42-HSLC/V1A			I005	TYPE D			A A	392001							
NEMA1 MTR STR HSLC-V-1A					R	522 H.5/8.4						E-MC-7BA+			4320
49	2	A	1 0	H	E503/7										
E-42-HSLC/V1B			I005	TYPE *D*			A A	392001	F						
NEMA 1 MOTOR STARTER FOR HSLC-V-1B					R	522 H.7/8.3						E-MC-7BA+			4320
49	2	A	2 0	F	E503/7										
E-42-HSLC/V1C			I005	TYPE *D*			A A	392001	F						
NEMA 1 MOTOR STARTER FOR HSLC-V-1C					R	522 H.7/8.3						E-MC-7BA+			4320
49	2	A	2 0	F	E503/7										
E-42-HSLC/V1D			I005	TYPE *D*			A A	392001	F						
NEMA 1 MOTOR STARTER FOR HSLC-V-1D					R	522 H.7/8.3						E-MC-7BA+			4320
49	2	A	2 0	F	E503/7										
E-42-HSLC/V2A			I005	TYPE D			A A	392001							
NEMA1 MTR STR HSLC-V-2A					R	522 H.5/8.4						E-MC-7BA+			4320
49	2	A	1 0	H	E503/7										
E-42-HSLC/V2B			I005	TYPE *D*			A A	392001	F						
NEMA 1 MOTOR STARTER FOR HSLC-V-2B					R	522 H.7/8.3						E-MC-7BA+			4320
49	2	A	2 0	F	E503/7										
E-42-HSLC/V2C			I005	TYPE *D*			A A	392001	F						
NEMA 1 MOTOR STARTER FOR HSLC-V-2C					R	522 H.7/8.3						E-MC-7BA+			4320
49	2	A	2 0	F	E503/7										
E-42-HSLC/V2D			I005	TYPE *D*			A A	392001	F						
NEMA 1 MOTOR STARTER FOR HSLC-V-2D					R	522 H.7/8.3						E-MC-7BA+			4320
49	2	A	2 0	F	E503/7										
E-42-HSLC/V3A			I005	TYPE D			A A	392001							
NEMA1 MTR STR HSLC-V-3A					R	522 H.5/8.4						E-MC-7BA+			4320
49	2	A	1 0	H	E503/7										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
E-42-MSLC/V3B			I005	TYPE *D*			A A	392001	F			4320
NEMA 1 MOTOR STARTER FOR MSLC-V-3B					R	522 H.7/8.3					E-MC-7BA+	
49	2	A	2 0	F	E503/7							
E-42-MSLC/V3C			I005	TYPE *D*			A A	392001	F			4320
NEMA 1 MOTOR STARTER FOR MSLC-V-3C					R	522 H.7/8.3					E-MC-7BA+	
49	2	A	2 0	F	E503/7							
E-42-MSLC/V3D			I005	TYPE *D*			A A	392001	F			4320
NEMA 1 MOTOR STARTER FOR MSLC-V-3D					R	522 H.7/8.3					E-MC-7BA+	
49	2	A	2 0	F	E503/7							
E-42-MSLC/V9			I005	TYPE D			A A	392001				4320
NEMA 1 MOTOR STARTER FOR-MSLC-V-9					R	522 N.0/3.8						
49	2	A	1 0	H	E503/8							
E-42-OBLGT/CP			I005	TYPE G			A	392001				4320
DISC TO OBSTR. LIGHT CP					R	572 M.7/6.0					E-MC-7BB+	
49	2	A	2 3	H	E503/12		C5					
E-42-RCC/V104			I202	TYPE D			A A	392001				4320
NEMA MTR STR RCC-V-104					R	526 N/3.8					E-MC-8BA+	
49	2	A	1 0	B1,F	E503/7							
E-42-RCC/V129			I005	TYPE D			A A	392001				4320
NEMA1 MTR STR RCC-V-129					R	522 N.0/4.0					E-MC-8BA+	
49	2	A	1 0	F	E503/7							
E-42-RCC/V21			I202	TYPE D			A A	392001	F			4320
NEMA1 MTR STR RCC-V-21					R	527 H.7/8.0					E-MC-7BA+	
49	2	A	1 0	B1,F	E503/7							
E-42-RCC/V40			I202	TYPE D			A A	392001	F			4320
NEMA1 MTR STR RCC-V-40					R	527 H.7/8.0					E-MC-7BA+	
49	2	A	1 0	B1,F	E503/7							
E-42-RCC/V5			I005	TYPE D			A A	392001	F			4320
NEMA1 MTR STR RCC-V-5					R	527 H.7/8.0					E-MC-7BA+	
49	2	A	1 0	B1,F	E503/7							
E-42-RCIC/V13			I005	TYPE *H*			A A	392001	F			24
NEMA 1 MOTOR STARTER FOR RCIC-V-13					R	471 H.7/7.8					E-MC-S2/1A+	
49	2	A	2 1	B1,C	E505							
E-42-RCIC/V63			I005	TYPE D			A A	392001				24
NEMA1 MTR STR RCIC-V-63					R	522 N.0/3.8					E-MC-8BA+	
49	2	A	2 1	C	E503/7							
E-42-RCIC/V64			I005	TYPE *F*			A A	392001	F			24
NEMA 2 MOTOR STARTER FOR RCIC-V-64					R	471 H.7/7.8					E-MC-S2/1A+	
49	2	A	2 1	B1,C	E505							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / BLDG ELEV / A/E DRAWING	MODEL / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
E-42-RCIC/V69			I005	TYPE "H"			A A	392001	F			24
NEMA 1 MOTOR STARTER FOR RCIC-V-69					R	471 H.7/7.8					E-MC-S2/1A+	
49	2	A	2 1	B1,C	E505							
E-42-RCIC/V76			I005	TYPE D			A A	392001	F			24
NEMA1 MTR STR RCIC-V-76					R	526 N.0/3.8					E-MC-8BA+	
49	2	A	2 1	B1,C	E503/7							
E-42-RHR/FCV64A			I005	TYPE D			A A	392001				4320
NEMA1 MTR STR RHR-FCV-64A					R	522 H.7/8.3					E-MC-7BA+	
49	2	A	1 3	C,E	E503/7							
E-42-RHR/FCV64B			I005	TYPE D			A A	392001				4320
NEMA1 MTR STR RHR-FCV-64B					R	522 N.0/3.8					E-MC-8BA+	
49	2	A	1 3	C,E	E503/7							
E-42-RHR/FCV64C			I005	TYPE D			A A	392001				4320
NEMA1 MTR STR RHR-FCV-64C					R	522 N.0/3.8					E-MC-8BA+	
49	2	A	1 0	C,E	E503/7							
E-42-RHR/P3			I005	TYPE A			A A	392001	F			4320
NEMA2 MTR STR RHR-P-3					R	522 H.7/8.3					E-MC-8B+	
49	2	A	2 3	C,E	E503/8							
E-42-RHR/V115			I005	TYPE "D"			A A	392001				4320
NEMA1 MTR STR RHR-V-115					R	573 H.7/8.2					E-MC-8BB+	
49	2	A	1 0	C,E	E503/12							
E-42-RHR/V116			I005	TYPE "D"			A A	392001				4320
NEMA1 MTR STR RHR-V-116					R	576 H.7/8.2					E-MC-8BB+	
49	2	A	1 0	C,E	E503/12							
E-42-RHR/V11A			I005	TYPE D			A A	392001				4320
NEMA1 MTR STR RHR-V-11A					R	522 H.7/8.3					E-MC-7BA+	
49	2	A	1 1	C,E	E503/7							
E-42-RHR/V11B			I005	TYPE D			A A	392001				4320
NEMA1 MTR STR RHR-V-11B					R	522 N.0/3.8					E-MC-8BA+	
49	2	A	1 1	C,E	E503/7							
E-42-RHR/V123A			I005	TYPE D			A A	392001				4320
NEMA1 MTR STR RHR-V-123A					R	522 N.0/3.8					E-MC-8A+	
49	2	A	2 3	C,E	E503/7							
E-42-RHR/V123B			I005	TYPE D			A A	392001				4320
NEMA1 MTR STR RHR-V-123B					R	522 N.0/3.8					E-MC-8BA+	
49	2	A	2 3	C,E	E503/7							
E-42-RHR/V124A			I005	TYPE "D"			A A	392001				4320
NEMA1 MTR STR RHR-V-124A					R	522 H.7/8.0					E-MC-7BA+	
49	2	A	2 1	C,E	E503/7							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID	ZONE	***SEISMIC. (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
E-42-RHR/V124B			I005	TYPE D				A	A	392001				4320
NEMA1 MTR STR RHR-V-124B					R	522 N.0/3.8							E-MC-7BA+	
49	2	A	2 1	C,E	E503/7									
E-42-RHR/V125A			I005	TYPE "D"				A	A	392001				4320
NEMA1 MTR STR RHR-V-125A					R	522 N.0/3.8							E-MC-8BA+	
49	2	A	2 1	C,E	E503/7									
E-42-RHR/V125B			I005	TYPE "D"				A	A	392001	F			4320
NEMA 1 MOTOR STARTER FOR RHR-V125B					R	522 N.0/3.9							E-MC-8BA+	
49	2	A	2 1	C	E503/7									
E-42-RHR/V134A			I005	TYPE "D"				A	A	392001				4320
NEMA1 MTR STR RHR-V-134A					R	522 H.7/8.0							E-MC-7BA+	
49	2	A	1 0	C,E	E503/7									
E-42-RHR/V134B			I005	TYPE "D"				A	A	392001				4320
NEMA1 MTR STR RHR-V-134B					R	522 N.0/3.8							E-MC-8BA+	
49	2	A	1 0	C,E	E503/7									
E-42-RHR/V16A			I005	TYPE "D"				A	A	392001				24
MOTOR START COIL FOR RHR-V-16A					R	572 H.4/5.7								
49	2	A	1 0	C,E	E503/12									
E-42-RHR/V16B			I005	TYPE D				A	A	392001				24
NEMA2 MTR STR RHR-V-16B					R	522 N.0/3.8							E-MC-8BA+	
49	2	A	1 0	C,E	E503/7									
E-42-RHR/V17A			I005	TYPE "D"				A	A	392001				24
NEMA2 MTR STR RHR-V-17A					R	572 H.4/5.7							E-MC-7BB+	
49	2	A	1 0	C,E	E503/12									
E-42-RHR/V17B			I005	TYPE D				A	A	392001				24
NEMA2 MTR STR RHR-V-17B					R	522 N.0/3.8							E-MC-8BA+	
49	2	A	1 0	C,E	E503/7									
E-42-RHR/V21			I005	TYPE D				A	A	392001	F			4320
NEMA 1 MTR STR RHR-V-21					R	522 N.0/4.0							E-MC-8BA+	
49	2	A	1 0	H	E503/7									
E-42-RHR/V23			I005	TYPE "H"				A	A	392001	F			4320
NEMA 1 MOTOR STARTER FOR RHR-V-23					R	471 H.7/7.8							E-MC-S2/1A+	
49	2	A	1 3	B1,C,E	E505									
E-42-RHR/V24A			I005	TYPE D				A	A	392001				4320
NEMA1 MTR STR RHR-V-24A					R	522 N.0/4.0							E-MC-7BA+	
49	2	A	1 0	C,E	E503/7									
E-42-RHR/V24B			I005	TYPE D				A	A	392001				4320
NEMA1 MTR STR RHR-V-24B					R	522 N.0/3.8							E-MC-8BA+	
49	2	A	1 0	C,E	E503/7									

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS S E / DETAIL A/E ZONE	QID / ZONE	TH	HL	TEST	ANL	FO	C	FREQ	ROOM	ACCURACY	AGING	DBE	C	HOURS	COMPOSITE EPN
E-42-RHR/V26A			I005	TYPE D					A A	392001														
NEMA 1 MTR STR RHR-V-26A							R	522	N.0/4.0														4320	E-MC-7BA+
49	2	A	1 1	C,E		E503/7																		
E-42-RHR/V27A			I005	TYPE "D"					A A	392001														
NEMA1 MTR STR RHR-V-27A							R	522	N.0/4.0														24	E-MC-7BA+
49	2	A	1 0	C,E		E503/7																		
E-42-RHR/V42A			I005	TYPE "D"					A A	392001														
NEMA2 MTR STR RHR-V-42A							R	522	N.0/4.0														4320	E-MC-7BA+
49	2	A	1 0	C,E		E503/7																		
E-42-RHR/V42B			I005	TYPE "D"					A A	392001														
NEMA2 MTR STR RHR-V-42B							R	522	N.0/3.8														4320	E-MC-8BA+
49	2	A	1 0	C,E		E503/7																		
E-42-RHR/V42C			I005	TYPE "D"					A A	392001														
NEMA2 MTR STR RHR-V-42C							R	522	N.0/3.8														4320	E-MC-8BA+
49	2	A	1 0	C,E		E503/7																		
E-42-RHR/V47A			I005	TYPE "D"					A A	392001														
NEMA1 MTR STR RHR-V-47A							R	572	M.4/5.8														4320	E-MC-7BB+
49	2	A	1 3	C,E		E503/12																		
E-42-RHR/V47B			I005	TYPE "D"					A A	392001														
NEMA1 MTR STR RHR-V-47B							R	572	M.7/8.2														4320	E-MC-8BB+
49	2	A	1 3	C,E		E503/12																		
E-42-RHR/V48A			I005	TYPE "D"					A A	392001														
NEMA1 MTR STR RHR-V-48A							R	572	M.4/5.8														4320	E-MC-7BB+
49	2	A	1 3	C.E		E503/12																		
E-42-RHR/V48B			I005	TYPE "D"					A A	392001														
NEMA1 MTR STR RHR-V-48B							R	578	M.7/8.2														4320	E-MC-8BB+
49	2	A	1 3	C,E		E503/12																		
E-42-RHR/V4A			I005	TYPE "D"					A A	392001														
NEMA1 MTR STR RHR-V-4A							R	522	N.0/3.8														4320	E-MC-7BA+
49	2	A	2 0	C.E		E503/7																		
E-42-RHR/V4B			I005	TYPE "D"					A A	392001	F													
NEMA1 MTR STR RHR-V-4B							R	522	N.0/4.0														4320	E-MC-8BA+
49	2	A	1 0	C.E		E503/7																		
E-42-RHR/V4C			I005	B-10					A A	392001	F													
NEMA1 MTR STR RHR-V-4C							R	522	N0/4.0														4320	E-MC-8BA+
49	2	A	1 0	C,E		E503/7																		
E-42-RHR/V52A			I005	TYPE "D"					A A	392001														
NEMA1 MTR STR RHR-V-52A							R	572	M.4/5.8														4320	E-MC-7BB+
49	2	A	1 1	C.E		E503/12																		

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
E-42-RHR/V52B			I005	TYPE "D"			A A	392001				
NEMA1 MTR STR RHR-V-52B					R	572 M.7/8.2					E-MC-8BB+	4320
49	2	A	1 1	C,E	E503/12							
E-42-RHR/V53A			I005	TYPE "D"			A A	392001				
NEMA1 MTR STR RHR-V-53A					R	522 H.7/8.3					E-MC-7BA+	4320
49	2	A	1 3	C,E	E503/7							
E-42-RHR/V53B			I005	TYPE "D"			A A	392001				
NEMA1 MTR STR RHR-V-53B					R	522 H.7/8.3					E-MC-7BA+	4320
49	2	A	1 3	C,E	E503/7							
E-42-RHR/V68A			I005	TYPE "D"			A A	392001				
NEMA1 MTR STR RHR-V-68A					R	572 M.7/6.0					E-MC-7BB+	4320
49	2	A	2 0	C.E	E503/12							
E-42-RHR/V68B			I005	TYPE "D"			A A	392001				
NEMA1 MTR STR RHR-V-68B					R	572 M.5/5.7					E-MC-8BB+	4320
49	2	A	2 0	C,E	E503/12							
E-42-RHR/V6B			I005	TYPE "D"			A A	392001	F			
NEMA1 MTR STR RHR-V-6B					R	522 N.0/4.0					E-MC-8BA+	4320
49	2	A	1 3	C,E	E503/7							
E-42-RHR/V73A			I005	TYPE D			A A	392001				
NEMA 1 MTR STR FOR RHR-V-73A					R	572 M.5/8.2					E-MC-7BB+	4320
49	2	A	1 3	H	E503/12							
E-42-RHR/V73B			I005	TYPE "D"			A A	392001				
NEMA1 MTR STR RHR-V-73B					R	572 M.7/8.2					E-MC-8BB+	4320
49	2	A	1 3	C.E	E503/12							
E-42-RHR/V74A			I005	TYPE "D"			A A	392001				
NEMA1 MTR STR RHR-V-74A					R	572 M.4/5.8					E-MC-7BB+	4320
49	2	A	1 3	C.E	E503/12							
E-42-RHR/V74B			I005	TYPE "D"			A A	392001				
NEMA1 MTR STR RHR-V-74B					R	572 M.7/8.2					E-MC-8BB+	4320
49	2	A	1 3	C,E	E503/12							
E-42-RHR/V8			I005	TYPE H			A A	392001	F			
NEMA 2 MOTOR STARTER FOR RHR-V-8					R	471 H.7/7.8					E-MC-S2/1A+	4320
49	2	A	1 3	H	E505							
E-42-RHR/V87A			I005	TYPE D			A A	392001				
NEMA1 MTR STR FOR RHR-V-87A					R	572 H.5/8.2					E-MC-7BB+	4320
49	2	A	1 1	H	E503/12							
E-42-RHR/V87B			I005	TYPE "D"			A A	392001				
NEMA1 MTR STR RHR-V-87B					R	572 M.7/8.2					E-MC-8BB+	4320
49	2	A	1 1	C.E	E503/12							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
E-42-RHR/V9			I005	TYPE "D"			A A	392001	F			4320
NEMA1 MTR STR RHR-V-9					R	522 N.0/4.0					E-MC-8BA+	
49	2	A	1 3	C,E	E503/7							
E-42-RRA/FN1			I005	TYPE A			A A	392001	F			4320
NEMA1 MTR STR RRA-FN-1					R	522 N.0/3.8					E-MC-8B+	
49	2	A	1 3	H	E503/8							
E-42-RRA/FN10			I005	TYPE "A"			A A	392001	F			4320
NEMA 1 MTR STR FOR RRA-FN-10					R	522 N0/3.8					E-MC-8B+	
49	2	A	1 3	J	E503/8							
E-42-RRA/FN12			I005	TYPE "A"			A A	392001	F			4320
NEMA 1 MOTOR STARTER FOR RRA-FN-12					R	522 H.5/8.3					E-MC-7B+	
49	2	A	1 0	H	E503/8							
E-42-RRA/FN15			I005	TYPE "A"			A A	392001	F			4320
NEMA 1 MOTOR STARTER FOR RRA-FN-15					R	572 M.4/5.8					E-MC-7BB+	
49	2	A	1 0	J	E503/12							
E-42-RRA/FN17			I005	TYPE "A"			A A	392001	F			4320
NEMA 1 MOTOR STARTER FOR RRA-FN-17					R	572 M.7/8.2					E-MC-8BB+	
49	2	A	1 0	J	E503/12							
E-42-RRA/FN20			I005	TYPE "A"			A A	392001	F			4320
NEMA 1 MOTOR STARTER FOR RRA-FN-20					R	522 N.0/3.9					E-MC-8BA+	
49	2	A	1 3	J	E503/7							
E-42-RRA/FN3			I005	TYPE A			A A	392001				4320
NEMA1 MTR STR RRA-FN-3					R	522 N.0/3.8					E-MC-8B+	
49	2	A	1 0	H	E503/8							
E-42-RRC/V16A			I005	TYPE "D"			A A	392001				4320
NEMA1 MTR STR RRC-V-16A					R	522 M.7/8.3					E-MC-8BA+	
49	2	A	2 0	J	E503/7							
E-42-RRC/V16B			I005	TYPE "D"			A A	392001	F			4320
NEMA 1 MOTOR STARTER FOR RRC-V-16B					R	522 H.7/8.3					E-MC-7BA+	
49	2	A	2 0	J	E503/7							
E-42-RWCU/V4			I005	TYPE "H"			A A	392001	F			4320
NEMA 1 MOTOR STARTER FOR RWCU-V-4					R	471 H.7/7.8					E-MC-S2/1A+	
49	2	A	1 0	B1	E505							
E-42-SGT/EHC1B1			I005	TYPE "G"			A A	392001				4320
DISC TO SGT-EHC-1B1					R	572 M.7/6.0					E-MC-7BB+	
49	2	A	1 0	H								
E-42-SGT/FN1A2			I005	TYPE "A"			A A	392001	F			4320
NEMA 2 MOTOR STR FOR SGT-FN-1A-2					R	572 M.7/8.2					E-MC-8BB+	
49	2	A	1 0	F	E503/12							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
E-42-SGT/FN1B2			I005	TYPE "A"			A A	392001	F			4320
NEMA 2 MOTOR STARTER SGT-FN-1B-2					R	572 M.7/8.2					E-MC-8BB+	
49	2	A	1 0	F	E503/12							
E-42-SGT/V1A			I005	TYPE "D"			A A	392001	F			4320
NEMA 1 MOTOR STRTR TO SGT-V-1A					R	572 M.5/8.2					E-MC-7BB+	
49	2	A	1 0	D	E503/12							
E-42-SGT/V3A1			I005	TYPE D			A A	392001	F			4320
NEMA1 MTR STR SGT-V-3A1					R	576 M.4/5.7					E-MC-7BB+	
49	2	A	1 0	D	E503/12							
E-42-SGT/V3A2			I005	TYPE D			A A	392001	F			4320
NEMA1 MTR STR SGT-V-3A2					R	576 M.7/8.2					E-MC-8BB+	
49	2	A	1 0	D	E503/12							
E-42-SGT/V3B1			I005	TYPE D			A A	392001	F			4320
NEMA1 MTR STR SGT-V-3B+					R	575 M.4/5.7					E-MC-7BB+	
49	2	A	1 0	D	E503/12							
E-42-SGT/V3B2			I005	TYPE D			A A	392001	F			4320
NEMA1 MTR STR SGT-V-3B2					R	575 M.7/8.2					E-MC-8BB+	
49	2	A	1 0	D	E503/12							
E-42-SGT/V4A2			I005	TYPE D			A A	392001	F			4320
NEMA1 MTR STR SGT-V-4A2					R	573 M.7/8.2					E-MC-8BB+	
49	2	A	1 0	D	E503/12							
E-42-SGT/V4B1			I005	TYPE D			A A	392001	F			4320
NEMA1 MTR STR SGT-V-4B1					R	578 M.4/5.7					E-MC-7BB+	
49	2	A	1 0	D	E503/12							
E-42-SGT/V4B2			I005	TYPE D			A A	392001	F			4320
NEMA1 MTR STR SGT-V-4B2					R	576 M.7/8.2					E-MC-8BB+	
49	2	A	1 0	D	E503/12							
E-42-SGT/V5A1			I005	TYPE D			A A	392001	F			4320
NEMA1 MTR STR SGT-V-5A1					R	576 M.4/5.7					E-MC-7BB+	
49	2	A	1 0	D	E503/12							
E-42-SGT/V5A2			I005	TYPE D			A A	392001	F			4320
NEMA1 MTR STR SGT-V-5A2					R	578 M.7/8.2					E-MC-8BB+	
49	2	A	1 0	D	E503/12							
E-42-SGT/V5B1			I005	TYPE D			A A	392001				4320
NEMA1 MTR STR SGT-V-5B1					R	575 M.4/5.7					E-MC-7BB+	
49	2	A	1 0	D	E503/12							
E-42-SGT/V5B2			I005	TYPE D			A A	392001				4320
NEMA 1 MTR STR SGT-V-5B2					R	575 M.7/8.2					E-MC-8BB+	
49	2	A	1 0	D	E503/12							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
E-42-SGTEHC1A2			I005	TYPE "G"				A A	392001						4320
DISC TO SGT EHC-1A2						R	572 M.5/8.2						E-MC-8BB+		
49	2	A	1 0	D	E503/12										
E-42-SGTEHC1B1			I005	5641D TYPE "G"				A A	392001						4320
BRKR TO SGT-ERC-1B1						R	578 M.4/5.7						E-MC-78B+		
49	2	A	1 0	D											
E-42-SGTEHC1B2			I005	5641D TYPE "G"				A A	392001						4320
BRKR TO SGT-EHC-1B2						R	572 N.7/8.2						E-MC-8BB+		
49	2	A	1 0	D											
E-42-SLC/P1A			I005	TYPE D				A A	392001	F					4320
NEMA 3 MOTOR STARTER FOR SLC-P-1A						R	522 H4/8.1						E-MC-7B+		
49	2	A	1 0	D	E503/8										
E-42-SLC/P1B			I005	TYPE D				A A	392001	F					4320
NEMA 3 MOTOR STARTER FOR SLC-P-1B						R	526 N/3.8						E-MC-8B+		
49	2	A	1 0	D	E503/8										
E-42-SLC/V1A			I005	TYPE D				A A	392001	F					4320
NEMA 3 MOTOR STARTER FOR SLC-V-1A						R	522 H4/8.1						E-MC-7B+		
49	2	A	1 0	D	E503/8										
E-42-SLC/V1B			I005	TYPE D				A A	392001	F					4320
NEMA 1 MOTOR STARTER FOR SLC-V-1B						R	526 N/3.8						E-MC-8B+		
49	2	A	1 0	D	E503/8										
E-42-SW/V187A			I005	TYPE "D"				A A	392001	F					
NEMA 1 MOTOR STARTER FOR SW-V-187A						R	522 H.7/8.3						E-MC-7BA+		
49	2	A	4 3	E	E503/7										
E-42-SW/V187B			I005	TYPE "D"				A A	392001	F					
NEMA 1 MOTOR STARTER FOR SW-V-187B						R	522 N.0/3.9						E-MC-8BA+		
49	2	A	1 3	E	E503/7										
E-42-SW/V24A			I005	TYPE D				A A	392001	F					4320
NEMA 1 MOTOR STARTER FOR SW-V-24A						R	522 H4/8.1						E-MC-7B+		
49	2	A	1 3	C	E503/8										
E-42-SW/V24B			I005	TYPE D				A A	392001	F					4320
NEMA 1 MOTOR STARTER FOR SW-V-24B						R	522 N0/4.0						E-MC-8BA+		
49	2	A	1 3	C	E503/7										
E-42-SW/V24C			I005	TYPE D				A A	392001	F					4320
NEMA 1 MOTOR STARTER FOR SW-V-24C						R	522 N0/4.0						E-MC-8BA+		
49	2	A	1 3	C	E503/7										
E-42-SW/V44			I005	TYPE D				A A	392001	F					4320
NEMA 1 MOTOR STARTER FOR SW-V-44						R	522 H4/8.1						E-MC-7B+		
49	2	A	1 0	C	E503/8										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	TM / ROOM	HL TEST / ANL FQ C / ACCURACY	FREQ	***SEISMIC (S) PARAMETERS*** / AGING / DBE / C / COMPOSITE EPN	*ENV. (E) PARAMETERS* / HOURS
E-42-SW/V75A					I005	TYPE *D*	A A	392001	F				4320
NEMA 1 MOTOR STARTER FOR SW-V-75A					R	522 H.7/8.3						E-MC-7BA+	
49	2	A	1 0	E	E503/7								
E-42-SW/V75B					I005	TYPE *D*	A A	392001	F				4320
NEMA 1 MOTOR STARTER FOR SW-V-75B					R	522 H.7/8.3						E-MC-7BA+	
49	2	A	1 0	E	E503/7								
E-42-TT/TV					I005	TYPE *H*	A A	392001	F				.017
NEMA 1 STR FOR TUR TRIP-THROTTLE V					R	471 H.7/7.8						E-MC-S2/1A+	
49	2	A	2 1	H	E505		G15						
E-CB-MC/8B/A					I005	TYPE M	A A	035024					4320
BRKR TO E-MC-8BA					R	522 N.0/3.8						E-MC-8B+	
49	2	A	1 3	H	E503/8								
E-CB-MC/8B/B					I005	TYPE M	A A	035024					4320
BRKR TO E-MC-8BB					R	522 N.0/3.8						E-MC-8B+	
49	2	A	1 3	H	E503/8								
E-CB-MC7BA					I005		A A	035024					4320
BRKR TO E-MC-7BA					R	522 H.4/8.1						E-MC-7B+	
49	2	A	1 3	H	E503/8								
E-CB-MC7BB					I202		A A	035024					4320
BRKR TO E-MC-7BB					R	527 H.3/8.3						E-MC-7B+	
49	2	A	1 3	H	E503/8								
E-CB-RPT3A					W120	24Y9836B11	D M	035007	F				4320
DUAL TRIP BRKR TO RRC-P-1A					R	475 L.9/9.3						E-SH-9+	
47A	2	A	2 0	E	E502/4		J14						
E-CB-RPT3B					W120	24Y9836B11	D M	035007	F	N			4320
DUAL TRIP BRKR TO RRC-P-1B					R	475 K.3/9.0						E-SH-10+	
47A	2	A	2 0	E	E502/4		J8						
E-CB-RPT4A					W120	24Y9836B11	D M	035007	F	N			4320
DUAL TRIP BRKR TO RRC-P-1A					R	522						E-SH-11+	
47A	2	A	2 0	E	E502/4		G14						
E-CB-RPT4B					W120		D M	035007	F	N			4320
DUAL TRIP BRKR TO RRC-P-1B					R	527 H.7/6.8						E-SH-12+	
47A	2	A	2 0	E	E502/4		H8						
E-CONN-X100A/01					A380	AMPHENOL JACK#82-503	R T	049001		Y			4320
SOURCE RANGE NI CONNECTOR					C	507 98 D AZ R40			R47				
55	3	P	1 3	H	E539/30								
E-CONN-X100A/02					A380	AMPHENOL PLUG#28650	R T	049002		Y			4320
SOURCE RANGE NI CONNECTOR					C	507 98 D AZ R40			R47				
55	3	P	1 3	H	E539/31								

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
E-CONN-X100B/01			A380		AMPHENOL JACK#82-503		R T	049001	Y			4320
SOURCE RANGE NI CONNECTOR						C	507 102 D AZ R40		R47			
55	3	P	1 3	H	E539/30							
E-CONN-X100B/02			A380		AMPHENOL PLUG#28650		R T	049002	Y			4320
SOURCE RANGE NI CONNECTOR						C	507 102 D AZ R40		R47			
55	3	P	1 3	H	E539/31							
E-CONN-X100C/01			A380		AMPHENOL JACK#82-503		R T	049001	Y			4320
SOURCE RANGE NI CONNECTION						C	511 315 D AZ R40		C44			
55	3	P	1 3	H	E539/30							
E-CONN-X100C/02			A380		AMPHENOL PLUG#28650		R T	049002	Y			4320
SOURCE RANGE NI CONNECTION						C	511 315 D AZ R40		C44			
55	3	P	1 3	H	E539/31							
E-CONN-X100D/01			A380		AMPHENOL JACK#82-503		R T	049001	Y			4320
SOURCE RANGE NI CONNECTION						C	511 322 D AZ R40		C44			
55	3	P	1 3	H	E539/30							
E-CONN-X100D/02			A380		AMPHENOL PLUG#28650		R T	049002	Y			4320
SOURCE RANGE NI CONNECTION						C	511 322 D AZ R40		C44			
55	3	P	1 3	H	E539/31							
E-CONN-X102A/01			A382		SOLIDSTRAND 34130		A	049006	Y			4320
CONNECTOR (SPLICE)						C	534 185 D AZ R40		R56			
218	3	P	4 3	H	E539							
E-CONN-X102A/02			R098		WCSF-N SHRINK TUBE		A	049007	Y			4320
CONNECTOR						C	534 185 D AZ R40					
218	3	P	1 3	H	E539							
E-CONN-X102B/01			A382		SOLIDSTRAND 34130		A	049006	Y			4320
CONNECTOR (SPLICE)						C	534 219 D AZ R40		R56			
218	3	P	1 3	H	E539							
E-CONN-X102B/02			R098		WCSF-N SHRINK TUBE		A	049007	Y			4320
CONNECTOR						C	534 219 D AZ R40					
218	3	P	1 3	H	E539							
E-CP-CAC/HR1A+			A136		S/N P-2040		A A	050106				
HYDROGEN RECOMBINER CONTROL PNL 1A						R	572 H.4/5.8					
	1		1 0	D	71-00-0104							
E-CP-CAC/HR1B+			A136		S/N P-2041		A A	050106				
HYDROGEN RECOMBINER CONTROL PNL 1B						R	572 H.7/8.5					
	1		1 0	D	71-00-0104							
E-CP-VB/1A+							A		F			
VAC BRKR RLY PNL						R	471 H7/8.3					
218	1	P	1 1	H	E545/15B							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	IM	HL TEST ANL EQ C / ROOM	FREQ / ACCURACY	***SEISMIC (S) PARAMETERS*** / AGING	*ENV. (E) PARAMETERS* / DBE	C	HOURS / COMPOSITE EPN
E-EMSQ-CACFN1B			I202	CN 5641-DBDAR				A	117004	F						4320
MEAN SQ VLT DEVICE						R 573 M.7/8.2								E-MC-8BB+		
49	3	A	1 0	H	E503/12											
E-EMSQ-SGTFN1A2			I202	5641-DACAB				A	117004	F						4320
MEAN SQ VLT DEVICE						R 576 M.7/8.2								E-MC-8BB+		
49	3	A	1 0	H	E503/12											
E-IR-61+							A	A	185002	F	N	21	01		33	
R BLDG INSTRU RACK DIV II						R 422 N1/3.5										
58	1	P	1 0	H	M567		H10									
E-IR-62+							A	A	185002	F	N	21	01		33	
IR BLDG INSTRU RACK DIV I						R 471 H4/6.8					R206					
58	1	P	1 0	H	M568		E14									
E-IR-63+			J035	DWG 757-E-599			A	A	185002	F	N	21	01		33	
R BLDG INSTRU RACK DIV II						R 501 L.2/9.3					R305					
58	1	P	1 0	H	M568		C6									
E-IR-64+			J035	DWG 757-C-652			A	A	185002	F	N	21	01		33	
R BLDG INSTRU RACK DIV II						R 501 N/4.8					R305					
58	1	P	1 0	H	M568		G4									
E-IR-65+							A	A	185002	F	N	21	01		33	
R BLDG INSTRU RACK DIV I						R 471 N/4					R206					
58	1	P	1 0	H	M568		H10									
E-IR-66+							A	A	185002	F	N	21	01		33	
R BLDG INSTRU RACK DIV I						R 501 N8/5.3					R305					
58	1	P	1 0	H	M568		F3									
E-IR-67+							A	A	185002	F	N	21	01		33	
R BLDG INSTRU RACK DIV I						R 548 M.8/5.7					R504					
58	1	P	1 0	H	M569		F4									
E-IR-68+							A	A	185002	F	N	21	01		33	
R BLDG INSTRU RACK DIV II						R 548 H7/8.1					R504					
58	1	P	1 0	H	M569		D8									
E-IR-69+							A	A	185002	F	N	21	01		33	
R BLDG INSTRU RACK DIV II						R 522 N/8.1					R504					
58	1	P	1 0	H	M569		D10									
E-IR-70+							A	A	185002	F	N	21	01		33	
RCC INSTRU RACK DIV II						R 522 J/4					R404					
58	1	P	2 3	H	M569		H14									
E-IR-71+							A	A	185002	F	N	21	01		33	
R BLDG INSTRU RACK DIV I						R 522 J/6.7					R408					
58	1	P	2 3	H	M569		E14									

EPN / CONTRACT	LEVEL	HFG DESCRIPTION / EC	USE	SAFETY FUNCTION	MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
E-IR-72+							A A	185002	F N	21 01	33	
CONT INSTRU AIR INSTRU RACK						R 522 J7/8.3			R404			
58	1	P	2 3	H	M569		D13					
E-IR-73+							A A	185002	F N	21 01	33	
MSIV LEAKAGE CONTROL IR						R 522 H4/4.2			R404			
58	1	P	1 0	H	M569		G15					
E-IR-74+							A A	185002	F N	21 01	33	
MSIV LEAKAGE CONTROL IR						R 522 H4/7			R404			
58	1	P	1 0	H	M569		E14					
E-IR-P001+		G082					A A	185003	F N	21 03		
						R 471 K/4.2			R206			
02	1	P	1 0	H	M568		G13					
E-IR-P002+		G082					A A	185003	F N	21 03		
						R 522 N7/5.0			R404			
02	1	P	2 3	H	M569		G10					
E-IR-P004+		G082					A A	185003	F N	21 03		
						R 522 J5/7.2						
02	1	P	1 3	H	M569		D13					
E-IR-P005+		G082					A A	185003	F N	21 03		
RPV INST RACK C						R 522 N.7/5.6			R404			
02	1	P	1 3	H	M569		F9					
E-IR-P006+		G082					A A	185003	F N	21 03		
						R 471 L5/4.1						
02	1	P	2 3	H	M568		G12					
E-IR-P008+		G082					A A	185003	F N	21 03		
						R 522 N7/9.3			R403			
02	1	P	1 3	H	M569		C10					
E-IR-P009+		G082					A A	185003	F N	21 03		
JET PUMP INST PNL A						R 471 J7/8.0						
02	1	P	2 1	H	M568		D13					
E-IR-P010+		G082					A A	185003	F N	21 03		
JET PUMP INST PNL B						R 471 H5/4.5						
02	2	P	2 1	H	M568		G11					
E-IR-P011+		G082					A A	185003	F N	21 03		
						R 568 H8/4.3			R504			
02	1	P	2 3	H	M569		G4					
E-IR-P015+		G082			368X270TCG1		A A	185003	F N	21 03		
MN STM FLOW INST B						R 501 H7/7.3			R305			
02	1	P	1 3	H	M568		D8					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
E-IR-P017+			G082					A A	185003	F N	21	03
RCIC SYS INST RACK							R 471 L/8					
02	1	P	2 1	H		M568	D12					
E-IR-P018+			G080					A A	185003	F N	21	03
RHR-INST RACK DIV 1							R 501 J.5/3.8					
02	1	P	1 3	H		M568	H7					
E-IR-P021+			G082					A A	185003	F N	21	03
							R 501 H9/9.3			R305		
02	1	P	1 3	H		M568	C8					
E-IR-P022+			G082					A A	185003	F N	21	03
							R 471 M5/7.9					
02	1	P	2 3	H		M568	D11					
E-IR-P024+			G080					A A				
							R 471 L.1/4.1					
02	1	P	1 0	H		M568	G12					
E-IR-P025+			G082					A A	185003	F N	21	03
							R 501 L9/3.7			R305		
02	1	P	1 3	H		M568	H5					
E-IR-P026+			G082					A A	185003	F N	21	03
							R 522 J8/4.6			R404		
02	1	P	1 3	H		M569	G13					
E-IR-P029+			G082					A A	185003	F N	21	03
							R 471 K9/3.8			R206		
02	1	P	1 0	H		M568	H12					
E-IR-P030+			G082					A A	185003	F N	21	03
							R 501 L6/3.5			R305		
02	1	P	1 3	H		M568	H6					
E-IR-P031+			G082					A A	185003	F N	21	03
							R 501 H4/7.7			R305		
02	1	P	1 3	H		M568	D8					
E-IR-P032+			G082					A A	185003	F N	21	03
							R 507 L5/3.5			R305		
02	1	P	1 3	H		M568	H5					
E-IR-P033+			G083					A A	185003	F N	21	03
							R 501 H8/8.3					
02	1	P	1 3	H		M568	D8					
E-IR-P039+			G082					A A	185003	F N	21	03
							R 522 M7/7					
02	1	P	1 0	H		M569	E10					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S F	QID / ZONE	TM / ROOM	HL	TEST	ANL	FQ	C / ACCURACY	FREQ	AGING	DBE	C	HOURS / COMPOSITE EPN
E-IR-P040+					G082	R 522 N2/4.2	A	A	185003	F	N		21		03					
02	1	P	1	0	H	M569	H10													
E-MC-7B+					I202	5640VB-111C108-C1090	A	A	216001	F	N		25		00		08			
MOTOR CONTROL CENTER 7B						R 522 H.5/8.3			R52		R411									
49	1	P	1	3	H	E503/8	G12													
E-MC-7BA+					I202	5640VB-111C108-C1090	A	A	216001	F	N		25		00		08			
						R 522 H.7/8.3			W22		C211									
49	1	P	1	3	H	E503/7	K12													
E-MC-7BB+					I202	5640VB-111C108-C1090	A	A	216001	F	N		25		00		08			
						R 572 H.4/5.8			R12		R611									
49	1	P	1	3	H	E503/12	C12													
E-MC-8B+					I202	5640VA-111SPL-C1090	A	A	216001	F	N		25		00		08			
MOTOR CONTROL CENTER 8B						R 522 N.0/3.5			R52		R410									
49	1	P	1	3	H	E503/8	C12													
E-MC-8BA+					I202	5640VC-111SPL-C1090	A	A	216001	F	N		25		00		08			
						R 522 N.0/3.9			R52		R410									
49	1	P	1	3	H	E503/7	H12													
E-MC-8BB+					I202	5640VC-111SPL-C1090	A	B	216001	F	N		25		00		08			
						R 572 N.78.2			R73		R612									
49	1	P	1	3	H	E503/12	E12													
E-MC-S2/1A+					I202	5640V4C-111SPL-C1090	A	A	216001	F	N		25		00		08			
MOTOR CONTROL CENTER S2-1A						R 471 H.7/7.8			R31		R206									
49	1	P	1	3	H	E505	G14													
E-PP-7AE+					S345	QH-02653-28EE6	A	P	252002		N		21		00		10			
						R 474 N2/9.3					R206									
218	1	P	1	3	H	E504	J9													
E-PP-8AE+					S345	QHB	A	P	252002		N		21		00		10			
						R 474 8.5/N														
218	1	P	1	3	H	E504	J3													
E-RLY-CACFN1A					S440	219BBXP	A		283041											4320
RELAY CUB/2F						R 573 H.5/5.3											E-MC-7BB+			
49	3	A	1	0	D	E535/44A-E														
E-RLY-CACFN1B					S440	219BBXP	A		283041											4320
RELAY CUB/8D						R 574 H.9/8.3											E-MC-8BB+			
49	3	A	1	0	D	E535/56A-E														
E-RLY-LPCSFCV11					S440	219BBXP	A		283041											4320
RELAY CUB/1B						R 522 H.7/8.3											E-MC-7BA+			
49	3	A	1	0	C	E535/43A-H														

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
E-RLY-LPCSV1			S440	219BBXP			A	283041				4320
RELAY CUB/1B					R 522 H.7/8.3						E-MC-7BA+	
49	3	A	1 0	C	E535/43A-H							
E-RLY-LPCSV12			S440	219BBXP			A	283041				4320
RELAY CUB/1B					R 522 H.7/8.3						E-MC-7BA+	
49	3	A	2 0	C	E535/43A-H							
E-RLY-LPCSV5			S440	219BBXP			A	283041				4320
RELAY CUB/1B					R 522 H.7/8.3						E-MC-7BA+	
49	3	A	1 0	C	E535/43A-H							
E-RLY-MSLCHTRA			S440	219BBXP			A	283041				24
RELAY CUB/8D					R 522 H.7/8.3						E-MC-7BA+	
49	3	A	1 0	F	E535/43A-H							
E-RLY-MSLCHTRB			S440	219BBXP			A	283041				24
RELAY CUB/8D					R 522 H.7/8.3						E-MC-7BA+	
49	3	A	1 0	F	E535/43A-H							
E-RLY-MSLCHTRC			S440	219BBXP			A	283041				24
RELAY CUB/8D					R 522 H.7/8.3						E-MC-7BA+	
49	3	A	1 0	F	E535/43A-H							
E-RLY-MSLCHTRD			S440	219BBXP			A	283041				24
RELAY CUB/8D					R 522 H.7/8.3						E-MC-7BA+	
49	3	A	1 0	F	E535/43A-H							
E-RLY-MSLCV10			S440	219BBXP			A	283041				4320
RELAY CUB/7E					R 522 N.0/3.5						E-MC-8B+	
49	3	A	1 0	F	E535/54A-F							
E-RLY-MSLCV12			S440	219BBXP			A	283041				4320
RELAY CUB/7E CTRL 2A,B,C,D					R 522 N.0/3.5						E-MC-8B+	
49	3	A	1 0	F	E535/54A-F							
E-RLY-MSLCV1A			S440	219BBXP			A	283041				4320
RELAY CUB/4C					R 522 H.7/8.3						E-MC-7BA+	
49	3	A	1 0	F	E535/43A-H							
E-RLY-MSLCV1B			S440	219BBXP			A	283041				4320
RELAY CUB/4C					R 522 H.7/8.3						E-MC-7BA+	
49	3	A	1 0	F	E535/43A-H							
E-RLY-MSLCV1C			S440	219BBXP			A	283041				4320
RELAY CUB/4C					R 522 H.7/8.3						E-MC-7BA+	
49	3	A	1 0	F	E535/43A-H							
E-RLY-MSLCV1D			S440	219BBXP			A	283041				4320
RELAY CUB/4C					R 522 H.7/8.3						E-MC-7BA+	
49	3	A	1 0	F	E535/43A-H							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
E-RLY-MSLCV2A RELAY CUB/8D 49	3	A	1	0 F	S440 219BBXP E535/43A-H	R 522 H.7/8.3	A	283041			E-MC-7BA+	4320
E-RLY-MSLCV2B RELAY CUB/4C 49	3	A	1	0 F	S440 219BBXP E535/43A-H	R 522 H.7/8.3	A	283041			E-MC-7BA+	4320
E-RLY-MSLCV2C RELAY CUB/8D 49	3	A	1	0 F	S440 219BBXP E535/43A-H	R 522 H.7/8.3	A	283041			E-MC-7BA+	4320
E-RLY-MSLCV2D RELAY CUB/4C 49	3	A	1	0 F	S440 219BBXP E535/43A-H	R 522 H.7/8.3	A	283041			E-MC-7BA+	4320
E-RLY-MSLCV3A RELAY CUB/8D 49	3	A	1	0 F	S440 219BBXP E535/43A-H	R 522 H.7/8.3	A	283041			E-MC-7BA+	4320
E-RLY-MSLCV3B RELAY CUB/8D 49	3	A	1	0 F	S440 219BBXP E535/43A-H	R 522 H.7/8.3	A	283041			E-MC-7BA+	4320
E-RLY-MSLCV3C RELAY CUB/8D 49	3	A	1	0 F	S440 219BBXP E535/43A-H	R 522 H.7/8.3	A	283041			E-MC-7BA+	4320
E-RLY-MSLCV3D RELAY CUB/4C 49	3	A	1	0 F	S440 219BBXP E535/43A-H	R 522 H.7/8.3	A	283041			E-MC-7BA+	4320
E-RLY-MSLCV4 RELAY CUB/7E 49	3	A	1	0 F	S440 219BBXP E535/54A-F	R 522 N.0/3.5	A	283041			E-MC-8B+	4320
E-RLY-MSLCV5 RELAY CUB/7E 49	3	A	1	0 F	S440 219BBXP E535/54A-F	R 522 N.0/3.5	A	283041			E-MC-8B+	4320
E-RLY-MSLCV9 RELAY CUB/7E 49	3	A	1	0 F	S440 219BBXP E535/54A-F	R 522 N.0/3.5	A	283041			E-MC-8B+	4320
E-RLY-RCICV63 RELAY CUB/7C 49	3	A	2	1 B1,C	S440 219BBXP E535/55A-F	R 522 N.0/3.9	A	283041			E-MC-8BA+	24
E-RLY-RHRV11A RELAY CUB/4C 49	3	A	1	1 B1,C,E	S440 219BBXP E535/43A-H	R 522 H.7/8.3	A	283041			E-MC-7BA+	4320

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
E-RLY-RHRV11B			S440	219BBXP			A	283041				4320
RELAY CUB/7C					R	522 N.0/3.9					E-MC-8BA+	
49	3	A	1 1	B1,C,E	E535/55A-F							
E-RLY-RHRV16A			S440	219BBXP			A	283041				24
RELAY CUB/8B					R	575 M.6/5.0					E-MC-7BB+	
49	3	A	1 0	B1,C,E	E535/44A-E							
E-RLY-RHRV16B			S440	219BBXP			A	283041				24
RELAY CUB/7C					R	522 N.0/3.9					E-MC-8BA+	
49	3	A	1 0	B1,C,E	E535/55A-F							
E-RLY-RHRV17A			S440	219BBXP			A	283041				24
RELAY CUB/8B					R	575 M.5/5.0					E-MC-7BB+	
49	3	A	1 0	B1,C,E	E535/44A-E							
E-RLY-RHRV17B			S440	219BBXP			A	283041				24
RELAY CUB/7C					R	522 N.0/3.9					E-MC-8BA+	
49	3	A	1 0	B1,C,E	E535/55A-F							
E-RLY-RHRV21			S440	219BBXP			A	283041				4320
RELAY CUB/7C					R	522 N.0/3.9					E-MC-8BA+	
49	3	A	1 0	B1,C,E	E535/55A-F							
E-RLY-RHRV24A			S440	219BBXP			A	283041				4320
RELAY CUB/1B					R	522 H.7/8.3					E-MC-7BA+	
49	3	A	1 0	B1,C,E	E535/43A-H							
E-RLY-RHRV26A			S440	219BBXP			A	283041				4320
RELAY CUB/4C					R	522 H.7/8.3					E-MC-7BA+	
49	3	A	1 1	C,E	E535/43A-H							
E-RLY-RHRV26B			S440	219BBXP			A	283041				4320
RELAY CUB/7C					R	522 N.0/3.9					E-MC-8BA+	
49	3	A	1 1	C,E	E535/55A-F							
E-RLY-RHRV27A			S440	219BBXP			A	283041				24
RELAY CUB/1B					R	522 H.7/8.3					E-MC-7BA+	
49	3	A	1 0	B1,C,E	E535/43A-H							
E-RLY-RHRV27B			S440	219BBXP			A	283041				24
RELAY CUB/7C					R	522 N.0/3.9					E-MC-8BA+	
49	3	A	1 0	B1,C,E	E535/55A-F							
E-RLY-RHRV3A			S440	219BBXP			A	283041				4320
RELAY CUB/8B					R	575 M.5/5.0					E-MC-7BB+	
49	3	A	1 3	C,E	E535/44A-E							
E-RLY-RHRV42A			S440	219BBXP			A	283041				4320
RELAY CUB/1B					R	522 H.7/8.3					E-MC-7BA+	
49	3	A	1 0	B1,C,E	E535/43A-H							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
E-RLY-RHRV42B			S440		219BBXP		A	283041						4320
RELAY CUB/1B						R 522 N.0/3.9						E-MC-8BA+		
49	3	A	1 0	B1,C,E	E535/55A-F									
E-RLY-RHRV42C			S440		219BBXP		A	283041						4320
RELAY CUB/1B						R 522 N.0/3.9						E-MC-8BA+		
49	3	A	1 0	B1,C,E	E535/55A-F									
E-RLY-RHRV47A			S440		219BBXP		A	283041						4320
RELAY CUB/8B						R 575 M.5/5.0						E-MC-7BB+		
49	3	A	1 3	C,E	E535/44A-E									
E-RLY-RHRV47B			S440		219BBXP		A	283041						4320
RELAY CUB/8C						R 576 M.9/8.3						E-MC-8BB+		
49	3	A	1 3	C,E	E535/56A-E									
E-RLY-RHRV48A			S440		219BBXP		A	283041						4320
RELAY CUB/8B						R 575 M.5/5.0						E-MC-7BB+		
49	3	A	1 3	C,E	E535/44A-E									
E-RLY-RHRV48B			S440		219BBXP		A	283041						4320
RELAY CUB/8C						R 576 M.9/8.3						E-MC-8BB+		
49	3	A	1 3	C,E	E535/56A-E									
E-RLY-RHRV4A			S440		219BBXP		A	283041						4320
RELAY CUB/1B						R 522 H.7/8.3						E-MC-7BA+		
49	3	A	2 0	B1,C,E	E535/43A-H									
E-RLY-RHRV4B			S440		219BBXP		A	283041						4320
RELAY CUB/1B						R 522 N.0/3.9						E-MC-8BA+		
49	3		1 0	B1,C,E	E535/55A-F									
E-RLY-RHRV4C			S440		219BBXP		A	283041						4320
RELAY CUB/1B						R 522 N.0/3.9						E-MC-8BA+		
49	3	A	1 0	B1,C,E	E535/55A-F									
E-RLY-RHRV52A			S440		219BBXP		A	283041						4320
RELAY CUB/8B						R 575 M.5/5.0						E-MC-7BB+		
49	3	A	1 1	C,E	E535/44A-E									
E-RLY-RHRV52B							A	283041						4320
RELAY CUB/8C						R 576 M.9/8.3						E-MC-8BB+		
	3	A	1 1	C,E	E535/56A-E									
E-RLY-RHRV53A			S440		219BBXP		A	283041						4320
RELAY CUB/1B						R 522 H.7/8.3						E-MC-7BA+		
49	3	A	1 3	B1,C,F	E535/43A-H									
E-RLY-RHRV53B			S440		219BBXP		A	283041						4320
RELAY CUB/8D						R 522 H.7/8.3						E-MC-7BA+		
49	3	A	1 3	1,C,E	E535/43A-H									

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
E-RLY-RHRV68A			S440		219BBXP		A	283041				4320
RELAY CUB/8B					R 575	M.5/5.0					E-MC-7BB+	
49	3	A	2 0	C,E,F	E535/44A-E							
E-RLY-RHRV68B			S440		219BBXP		A	283041				4320
RELAY CUB/8D					R 574	M.9/8.3					E-MC-8BB+	
4	3	A	2 0	C,E,F	E535/56A-E							
E-RLY-RHRV6A			S440		219BBXP		A	283041				4320
RELAY CUB/1B					R 522	H.7/8.3					E-MC-7BA+	
49	3	A	1 3	C,E	E535/43A-H							
E-RLY-RHRV6B			S440		219BBXP		A	283041				4320
RELAY CUB/1B					R 522	N.0/3.9					E-MC-8BA+	
49	3		1 3	C,E	E535/55A-F							
E-RLY-RHRV87A			S440		219BBXP		A	283041				4320
RELAY CUB/8B					R 575	M.5/5.0					E-MC-7BB+	
49	3	A	1 1	C,E	E535/44A-E							
E-RLY-RHRV87B			S440		219BBXP		A	283041				4320
RELAY CUB/8C					R 576	M.9/8.3					E-MC-8BB+	
49	3	A	1 1	C,E	E535/56A-E							
E-RLY-RHRV9			S440		219BBXP		A	283041				4320
RELAY CUB/1B					R 522	N.0/3.9					E-MC-8BA+	
49	3		1 3	B1,C,E	E535/55A-F							
E-RLY-SGT/5A2			S440		219BBXP		A	283041				4320
RELAY CUB/8D				SGTV5A2,FN3A2 INTCONN	R 572	N.7/8.2					E-MC-8BB+	
49	3	A	1 0	D,F	E535/56A-E							
E-RLY-SGTEH1A1			S440		219BBXP		A	283041				4320
RELAY CUB/2F					R 575	M.5/5.3					E-MC-7BB+	
49	3	A	1 0	D,F	E535/44A-E							
E-RLY-SGTEH1B1			S440		219BBXP		A	283041				4320
RELAY CUB/2F					R 575	M.5/5.3					E-MC-7BB+	
49	3	A	1 0	D,F	E535/44A-E							
E-RLY-SGTEHC1A2			S440		219BBXP		A	283041				4320
RELAY CUB/2A					R 572	M.7/8.2					E-MC-8BB+	
49	3	A	1 0	D,F	E535/56A-E							
E-RLY-SGTEHC1B2			S440		219BBXP		A	283041				4320
RELAY CUB/2A					R 578	M.5/8.3					E-MC-8BB+	
49	3	A	1 0	D,F	E535/56A-E							
E-RLY-SGTFN1A1			S440		219BBXP		A	283041				4320
RELAY CUB/2F					R 575	M.5/5.3					E-MC-7BB+	
49	3	A	1 0	D,F	E535/44A-E							

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
E-RLY-SGTFN1A2			S440		219BBXP		A	283041				4320
RELAY CUB/2A					R 578 M.5/8.3						E-MC-8BB+	
49	3	A	1 0	D,F	E535/56A-E							
E-RLY-SGTFN1B1			S440		219BBXP		A	283041				4320
RELAY CUB/2F					R 575 M.5/5.3						E-MC-7BB+	
49	3	A	1 0	D,F	E535/44A-E							
E-RLY-SGTFN1B2			S440		219BBXP		A	283041				4320
RELAY CUB/2A					R 577 M.5/8.3						E-MC-8BB+	
49	3	A	1 0	D,F	E535/56A-E							
E-RLY-SGTTK2B1			S440		219XDXP		A	283041				4320
RELAY CUB/1B					R 572 M.4/5.8						E-MC-7BB+	
49	3	A	1 0	D,F	E535/44A-E							
E-RLY-SGTV1A			S440		219BBXP		A	283041				4320
RELAY CUB/8B					R 575 M.5/5.0						E-MC-7BB+	
49	3	A	1 0	D,F	E535/44A-E							
E-RLY-SGTV3A1			S440		219BBXP		A	283041				4320
RELAY CUB/2F					R 573 M.5/5.3						E-MC-7BB+	
49	3	A	1 0	D,F	E535/44A-E							
E-RLY-SGTV3A2			S440		219BBXP		A	283041				4320
RELAY CUB/2A					R 578 M.5/8.3						E-MC-8BB+	
49	3	A	1 0	D,F	E535/56A-E							
E-RLY-SGTV3B1			S440		219BBXP		A	283041				4320
RELAY CUB/2F					R 573 M.5/5.3						E-MC-7BB+	
49	3	A	1 0	D,F	E535/44A-E							
E-RLY-SGTV3B2			S440		219BBXP		A	283041				4320
RELAY CUB/2A					R 578 M.5/8.3						E-MC-8BB+	
49	3	A	1 0	D,F	E535/56A-E							
E-RLY-SGTV4A1			S440		219BBXP		A	283041				4320
RELAY CUB/2F					R 573 M.5/5.3						E-MC-7BB+	
49	3	A	1 0	D,F	E535/44A-E							
E-RLY-SGTV4A2			S440		219BBXP		A	283041				4320
RELAY CUB/2A					R 572 N.7/8.2						E-MC-8BB+	
49	3	A	1 0	D,F	E535/56A-E							
E-RLY-SGTV4B1			S440		219BBXP		A	283041				4320
RELAY CUB/8B					R 575 M.5/5.0						E-MC-7BB+	
49	3	A	1 0	D,F	E535/44A-E							
E-RLY-SGTV4B2			S440		219BBXP		A	283041				4320
RELAY CUB/8C					R 576 M.9/8.3						E-MC-8BB+	
49	3	A	1 0	D,F	E535/56A-E							

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	DID / ZONE	TH HL TEST ANL EQ C / ROOM	FREQ / ACCURACY	ENV. (E) PARAMETERS AGING DBE C / COMPOSITE EPN	HOURS
E-RLY-SGTV5A1			S440		219BBXP		A	283041				4320
RELAY CUB/8B						R 575 H.5/5.0					E-MC-7BB+	
49	3	A	1 0	D,F	E535/44A-E							
E-RLY-SGTV5A2			S440		219DBXP		A	283041				4320
RELAY CUB/8C						R 576 H.9/8.3					E-MC-8BB+	
49	3	A	1 0	D,F	E535/56A-E							
E-RLY-SGTV5B1			S440		291BBXP		A	283041				4320
RELAY CUB/8B						R 575 H.5/5.0					E-MC-7BB+	
49	3	A	1 0	D,F	E535/44A-E							
E-RLY-SGTV5B2			S440		219BBXP		A	283041				4320
RELAY CUB/8C						R 576 H.9/8.3					E-MC-8BB+	
49	3	A	1 0	D,F	E535/56A-E							
E-RLY-SLCP1A			S440		219BBXP		A	283041				4320
RELAY CUB/8A						R 522 H.5/8.3					E-MC-7B+	
49	3	A	1 0	A	E535/42A-E							
E-RLY-SLCP1B			S440		219BBXP		A	283041				4320
RELAY CUB/7E						R 522 N.0/3.5					E-MC-8B+	
49	3	A	1 0	A	E535/54A-F							
E-RLY-SLCV1A			S440		219BBXP		A	283041				4320
RELAY CUB/8A						R 522 H.5/8.3					E-MC-7B+	
49	3	A	1 0	A	E535/42A-E							
E-RLY-SWV44			S440		219BBXP		A	283041				4320
RELAY CUB/8A						R 522 H.5/8.3					E-MC-7B+	
49	3	A	1 0	C,J	E535/42A-E							
E-SH-10+			W120		75-DHP-500		D M	305001	F N			
						R 471 L2/9.0						
47A	1	P	2 3	H	E502/4	J8						
E-SH-11+			W120		75-DHP-500		D M	305001	F N			
						R 522 M.8/7.4						
47A	1	P	2 3	H	E502/4	G14						
E-SH-12+			W120		75-DHP-500		D M	305001	F N			
						R 522 M.5/8.0						
47A	1	P	2 3	H	E502/4	G8						
E-SH-9+			W120		75-DHP-500		D M	305001	F N			
						R 471 K3/9.0						
47A	1	P	2 3	H	E502/4	J14						
E-TR-7BA			S250		122091-3		G A	349004	F N	21 00	76	4320
ELP-7B-A TRANSFORMER						R 606 J.6/3.7		R81	R700		E-ELP-7BA+	
218	2	A	2 3	H	E503/12	R15						

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
E-TR-7BB			S258		124176-12		G A	349007	F N	21 00	76		4320
ELP-7B-B TRANSFORMER						R 478	H.4/3.8	R32	R206				
218	2	A	2 3	H	E503/8		69						
E-TR-8BB			S258		124176-17		G B	349007	F N	21 00	76		4320
ELP-8B-B EMER LTG PNL TRANSFORMER						R 473	N.0/8.4	R33	R206				
218	3	P	2 3	H	E503/8		B14						
E-TRB-X104A/01			C754		CURTIS #BT-17		R P	352001	Y				4320
TERMINAL BLOCK FOR X-104A/01						C 501	109 D AZ						
55	3	P	2 3	H	S796								
E-TRB-X104B/01			C754		CURTIS #BT-17		R P	352001	Y				4320
TERMINAL BLOCK FOR X-104B/01						C 501	110 D AZ						
55	3	P	2 3	H	S796								
E-TRB-X104C/01			C754		CURTIS #BT-17		R P	352001	Y				4320
TERMINAL BLOCK FOR X-104C/01						C 522	188 D AZ						
55	3	P	2 3	H	S796								
E-TRB-X104D/01			C754		CURTIS #BT-17		R P	352001	Y				4320
TERMINAL BLOCK FOR X-104D/01						C 522	223 D AZ						
55	3	P	2 3	H	S796								
E-TRB-X105A/01			T282		TRW-CINCH # 27-541		R P	352002	Y				4320
TERMINAL BLOCK FOR X-105A/01						C 501	100 D AZ						
55	3	P	2 3	H	S796								
E-TRB-X105A/02			T282		TRW-CINCH #13-541		R P	352003	Y				4320
TERMINAL BLOCK FOR X-105A/02						C 501	100 D AZ						
55	3	P	2 3	H	S797								
E-TRB-X105B/01			T282		TRW-CINCH #27-541		R P	352002	Y				4320
TERMINAL BLOCK FOR X-105B/01						C 501	135 D AZ						
55	3	P	2 3	H	S797								
E-TRB-X105B/02			T282		TRW-CINCH #13-541		R P	352003	Y				4320
						C 501	135 D AZ						
55	3	P	2 3	H	S797								
E-TRB-X105C/01			T282		TRW-CINCH #27-541		R P	352002	Y				4320
TERMINAL BLOCK FOR X-105C/01						C 523	195 D AZ						
55	3	P	2 3	H	S797								
E-TRB-X105C/02			T282		TRW-CINCH #13-541		R P	352003	Y				4320
TERMINAL BLOCK FOR X-105C/02						C 523	195 D AZ						
55	3	P	2 3	H	S797								
E-TRB-X105D/01			T282		TRW-CINCH #27-541		R P	352002	Y				4320
TERMINAL BLOCK FOR X-105D/01						C 501	225 D AZ						
55	3	P	2 3	H	S797								

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C / HOURS
E-TRB-X105D/02					T282	TRW-CINCH #13-541		R P	352003	Y				4320
TERMINAL BLOCK FOR X-105D/02							C 501 225 D AZ							
55	3	P	2 3	H		S797								
E-TRB-X107A/01					C754	CURTIS #BT-15		R P	352001	Y				4320
TERMINAL BLOCK FOR X-107A/01							C 501 52 D AZ							
55	3	P	2 3	H		S797								
E-TRB-X107A/02					T282	TRW-CINCH #25-541		R P	352004	Y				4320
TERMINAL BLOCK FOR X-107A/02							C 501 52 D AZ							
55	3	P	2 3	H		S797								
E-TRB-X107B/01					C754	CURTIS #BT-15		R P	352001	Y				4320
TERMINAL BLOCK FOR X-107B/01							C 411 150 D AZ							
55	3	P	2 3	H		S797								
E-TRB-X107B/02					T282	TRW-CINCH #25-541		R P	352004	Y				4320
TERMINAL BLOCK FOR X 107B/02							C 411 150 D AZ							
55	3	P	2 3	S797										
E-X-100A					W120	55-00-0002		B A	382003	Y				4320
NEUTRON MONITOR ELECTRICAL PENET							C 507 97 D AZ		R47					
55	3	P	2 3	H		S796								
E-X-100B					W120	55-00-0002		B A	382003	Y				4320
NEUTRON MONITOR ELECTRICAL PENET							C 507 103DAZ		R47					
55	3	P	2 3	H		S796								
E-X-100C					W120	55-00-0002		B A	382003	Y				4320
NEUTRON MONITOR ELECTRICAL PENET							C 511 315 D AZ		C44					
55	3	P	2 3	H		S796								
E-X-100D					W120	55-00-0002		B A	382003	Y				4320
NEUTRON MONITOR ELECTRICAL PENET							C 511 327DAZ		C44					
55	3	P	2 3	H		S796								
E-X-101A					W120	55-00-0002		B A	382003	Y				4320
CRD POS INDIC ELECTRICAL PENET							C 511 132DAZ		R47					
55	3	P	2 3	H		S796								
E-X-101B					W120	55-00-0002		B A	382003	Y				4320
CRD POS INDIC ELECTRICAL PENET							C 511 138DAZ		R47					
55	3	P	2 3	H		S796								
E-X-101C					W120	55-00-0002		B A	382003	Y				4320
CRD POS INDIC ELECTRICAL PENET							C 511 312 D AZ		C44					
55	3	P	2 3	H		S796								
E-X-101D					W120	55-00-0002		B A	382003	Y				4320
CRD POS INDIC ELECTRICAL PENET							C 511 318DAZ		C44					
55	3	P	2 3	H		S796								

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	AGING / COMPOSITE EPN	DBE	C	HOURS
E-X-102A					W120	55-00-0002		B A	382003	Y						4320
T/C AND RTD ELECTRICAL PENETRATION							C 534	189DAZ	R56							
55	3	P	2 3	H	S796											
E-X-102B					W120	55-00-0002		B A	382003	Y						4320
T/C AND RTD ELECTRICAL PENETRATION							C 534	218DAZ	R56							
55	3	P	2 3	H	S796											
E-X-103A					W120	55-00-0002		R A	382003	Y						4320
MED VOLTAGE POWER ELECTRICAL PENET							C 534	203DAZ	R56							
55	3	P	2 3	H	S796											
E-X-103B					W120	55-00-0002		R A	382003	Y						4320
MED VOLTAGE POWER ELECTRICAL PENET							C 534	212DAZ	R56							
55	3	P	2 3	H	S796											
E-X-103C					W120	55-00-0002		R A	382003	Y						4320
MED VOLTAGE POWER ELECTRICAL PENET							C 534	305 D AZ	R54							
55	3	P	2 3	H	S796											
E-X-103D					W120	55-00-0002		R A	382003	Y						
MED VOLTAGE POWER ELECTRICAL PENET							C 534	322DAZ	R54							
55	3	P	2 3	H	S796											
E-X-104A					W120	55-00-0002		B A	382003	Y						4320
LOW VOLTAGE POWER ELECTRICAL PENET							C 511	112DAZ	R47							
55	3	P	2 3	H	S796											
E-X-104B					W120	55-00-0002		B A	382003	Y						4320
LOW BOLTAGE POWER ELECTRICAL PENET							C 511	115DAZ	R47							
55	3	P	2 3	H	S796											
E-X-104C					W120	55-00-0002		B A	382003	Y						4320
LOW VOLTAGE POWER ELECTRICAL PENET							C 534	192DAZ	R56							
55	3	P	2 3	H	S796											
E-X-104D					W120	55-00-0002		B A	382003	Y						4320
LOW VOLTAGE POWER ELECTRICAL PENET							C 534	222DAZ	R56							
55	3	P	2 3	H	S796											
E-X-105A					W120	55-00-0002		B A	382003	Y						4320
CONTROL AND INDIC ELECTRICAL PENET							C 507	100 D AZ	R47							
55	3	P	2 3	H	S797			EB								
E-X-105B					W120	55-00-0002		B A	382003	Y						4320
CONTROL AND INDIC ELECTRICAL PENET							C 511	135 D AZ	R47							
55	3	P	2 3	H	S796											
E-X-105C					W120	55-00-0002		B A	382003	Y						4320
CONTROL AND INDIC ELECTRICAL PENET							C 534	195 D AZ	R56							
55	3	P	2 3	H	S796											

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST / ANL	FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
E-X-105D			W120	55-00-0002			B A	382003	Y						4320
CONTROL AND INDIC ELECTRICAL PENET						C 534 225	D AZ	R56							
55	3	P	2 3	H	S796										
E-X-107A			W120	55-00-0002			B A	382003	Y						4320
LO VOLT PWR/CNTL/IND ELECT PENET						C 475 52	D AZ	C35							
55	3	P	2 3	H	S796										
E-X-107B			W120	55-00-0002			B A	382003	Y						4320
LO VOLT PWR/CNTL/IND ELECT PENET						C 475 240	DAZ	C36							
55	3	P	2 3	H	S796		F15								
EDR-SPV-19			A499	WJHT831654			A B	315004	N	21 00		33+			4320
PILOT VALVE FOR CONT ISO VLV V-19						R 426	N1/3.6	R13	R10				E-IR-61+		
58	2	A	1 0	B1	M537		D9								
EDR-SPV-20			A499	WJHT831654			B B	315004	N	21 00		33+			4320
PILOT VALVE FOR CONT ISO VLV V-20						R 471	N.0/3.9	R33	R206				E-IR-65+		
58	2	A	1 0	B1	M537		D9								
FDR-LS-41							R D								4320
LD RHR PMP RM A						R 422		R12							
215	2	A	1 0	F	M539		B11								
FDR-LS-42							D								4320
LD RHR PMP RM B						R 422		R13							
215	2	A	1 0	F	M539		B14								
FDR-LS-43							D								4320
LD RHR PMP RM C						R 422		R12							
215	2	A	1 0	F	M539		B10								
FDR-LS-44							D								4320
LD RCIC PMP RM						R 422		R12							
215	2	A	1 0	F	M539		B13								
FDR-LS-45							D								4320
LD LPCS PMP RM						R 422		R12							
215	2	A	1 0	F	M539		B9								
FDR-LS-46							D								4320
LD HPCS PMP RM						R 422		R12							
215	2	A	1 0	F	M539		B8								
FDR-SPV-3			A499	WJHT8344A72			A B	315004	N	21 00		33+			4320
CONT. F R ISO VLV						R 426	N1/3.6	R13	R10				E-IR-61+		
58	2	A	1 0	B1	M539		D6								
FDR-SPV-4			A499	WJHT831654			B B	315004	N	21 00		33+			4320
SOLENOID PILOT FOR EDR-V-4 IR-65						R 471	N.0/3.9	R33	R206				E-IR-65+		
58	2	A	1 0	B1	M539		D6								

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL	A/E DRAWING	BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
FPC-DPIC-1					F130			A						4320
F/DH BYPASS FLOW CONTROL DP						R	476	H.4/6.8	R61				E-IR-62+	
	3	A	2 0	G		M526		C9						
FPC-DPIS-11					I204			A						4320
F/DH BYPASS FLOW CONTROL DP						R	471	H.4/6.8					E-IR-62+	
220	2	A	2 0	G		M526		C10						
FPC-DPIS-12					I204			A						4320
F/DH BYPASS FLOW CONTROL DP						R	471	H.4/6.8					E-IR-62+	
220	2	A	2 0	G		M526		C10						
FPC-FIC-21								D						4320
FUEL POOL RECIRC FLOW CONTROL						R	606		R73					
220	3	A	1 3	I		M526		J10						
FPC-FT-16					R369 1153DB4			C P						4320
FLOW TRANS						R	522	N.0/8.1	R61				E-IR-69+	
220	3	A	1 3	I		M526		F9						
FPC-FT-17								C P	156009					
FLOW TRAN OF FPC-V-746 & 747						R	467		R61					
215	2		2 3	A,G		M526		F10						
FPC-LIS-1A					I204 289A			A A	198009	Y	21 00	33+		4320
FPC-TK-1A HIGH-HIGH LEVEL						R	572	K.0/6.8	R71					
215	2		2 0	F		M526		J9						
FPC-LIS-1B					I204 289A			A A	198009	Y	21 00	33+		4320
FPC-TK-1B HIGH-HIGH LEVEL						R	572	M.0/6.8	R73					
215	2		2 0	F		M526		J8						
FPC-LIS-2A					I204 289A			A A	198009	Y	21 00	33+		4320
FPC-TK-1A LEVEL CONTROL HIGH SIDE						R	572	K.0/6.8	R71					
215	2		2 0	F		M526		J9						
FPC-LIS-2B					I204 289A			A A	198009	Y	21 00	33+		4320
FPC-TK-1B LEVEL CONTROL HIGH SIDE						R	572	M.0/6.8	R73					
215	2		2 0	F		M526		J8						
FPC-LIS-3A1					I204 289A			A A	198009					4320
FPC-TK-1A LEVEL CONTROL LOW SIDE						R	572	K.0/6.9	R71					
215	2		2 0	F		M526		J9						
FPC-LIS-3A2					I204 289A			A A	198009					4320
FPC-TK-1A LOW-LOW LEVEL						R	572	K.0/6.9	R71					
215	2		2 3	F		M526		H9						
FPC-LIS-3B1					I204 289A			A A	198009					4320
FPC-TK-1B LEVEL CONTROL LOW SIDE						R	572	M.0/6.9	R73					
215	2		2 0	F		M526		J8						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	TM	HL TEST ROOM	ANL FQ C ACCURACY	FREQ	ENV. (E) PARAMETERS / AGING	DBE	C	HOURS / COMPOSITE EPN
FPC-LIS-382			I204	289A				A	A	198009		Y	21 00	17				4320
FPC-TK-1B LOW-LOW LEVEL							R 572	M.06.9		R73								
220	2		2 3	F		M526		H8										
FPC-LS-4										M								4320
FUEL POOL LEVEL							R 572			R71								
215	2	A	2 3	F.B2		M526		J11										
FPC-LS-5										M								4320
FUEL POOL LEVEL							R 572			R71								
215	2	A	2 3	B2.F		M526		J10										
FPC-LT-21										R								4320
FUEL POOL LEVEL							R 606			R73								
220	3	A	2 3	F		M526		J10										
FPC-M-1A			W120	TADP/326TS				P	P	213014								4320
50HP/58A MOTOR FOR FPC-P-1A							R 550	M.2/8.5		R63					FPC-P-1A+			
215	2		2 3	F		M526		D13										
FPC-M-1B			W120	TADP/326TS				P	P	213014								4320
50HP/58A MOTOR FOR FPC-P-1B							R 549	M.2/3.6		R63					FPC-P-1B+			
215	2		2 3	F		M526		C13										
FPC-MO-153			L200	SMB-000-5				S	A	221001								4320
MO FOR FPC-V-153							R 452	K/7.9		R21					FPC-V-153+			
41A	2	A	1 3	B1		M526		B11										
FPC-MO-154			L200	SMB-000-5				S	A	221001								4320
MO FOR FPC-V-154							R 452	J9/8		R21					FPC-V-154+			
41A	2	A	2 3	B1		M526		B11										
FPC-MO-156			L200	SMB-00				G	A	221001								4320
MO FOR FPC-V-156							R 468	K2/8.2		R21					FPC-V-156+			
41A	2	A	1 3	B1		M526		C11										
FPC-MO-172								P	P	221001								4320
MO FOR FPC-V-172							R 471	K.9/9.0							FPC-V-172+			
41A	2	A	1 3	B2		M526		C9										
FPC-MO-173								P	P	221001								4320
MO FOR FPV-V-173							R 471	K/9.4							FPC-V-173+			
41A	2	A	1 3	B2		M526		C8										
FPC-MO-175								P	P	221001								4320
MO FOR FPC-V-175							R 550								FPC-V-175+			
41A	2	A	2 3	B2		M526		C10										
FPC-MO-181A								P	P	221001								4320
MO FOR FPC-V-181A							R 548								FPC-V-181A+			
41A	2		2 3	F		M526		E14										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
FPC-MO-181B								P P	221001				
MO FOR FPC-V-181B							R 548					FPC-V-181B+	4320
41A	2		2 3	F		M526		D14					
FPC-MO-184								P P	221001				
MO FOR FPC-V-184							R 471	L.0/9.4				FPC-V-184+	4320
41A	2	A	1 3	B2		M526		C9					
FPC-PS-6A			B070	D2T-M150SS				A A	256018				
PUMP SUCTION PRESSURE P-1A							R 522	J.0/6.9	R51			E-IR-71+	4320
58	2	A	1 3	F		M526		E14					
FPC-PS-6B			B070	D2T-M150SS				A A	256018				
PUMP SUCTION PRESSURE P-1B							R 552	N/8.1	R53			E-IR-69+	4320
58	2	A	1 3	F		M526		D14					
FPC-PS-9A			B070	B2T-M12SS				A A	256002				
PUMP DISCHARGE PRESSURE P-1A							R 522	N.0/8.1	R51			E-IR-71+	4320
58	2	A	1 3	F		M526		D13					
FPC-PS-9B			B070	B2T-M12SS				A A	256002				
PUMP DISCHARGE PRESSURE P-1B							R 524	M.0/8.5	R53			E-IR-69+	4320
58	2	A	1 3	F		M526		D13					
FPC-RMS-P/1A								P					
RMS FOR FPC-P-1A							R 522	J.0/6.9					4320
	3	A	2 3	G		M526		E14					
FPC-RMS-P/1B								P					
RMS FOR FPC-P-1B							R 522	N.0/8.1					4320
	3	A	2 3	G		M526		D14					
FPC-SPV-1			A499	WJNP831654E				B A					
FPC-V-1 F/DM BYPASS							R 471	H.4/6.8	R61			E-IR-62+	4320
220	2	A	1 3	F		M526		C9					
FPC-SPV-113			A499	WTHT831654				A A	315004	R N 21 00	33+		
FPC CLEANUP BYPASS SOLENOID OPER.							R 525	N.0/8.0	R54			E-IR-69+	4320
215	2	A	2 3	G		M526		C14					
FPC-TE-6								D					
MEASURES TEMP OF RECIRC. LINE							R 467		R61				4320
215	2	A	1 3	F		M526		F9					
FPC-TE-7								D					
FUEL POOL							R 572		R31				4320
215	2	A	1 3	F		M526		H11					
FPC-TE-8								D					
FUEL POOL							R 572		R31				4320
215	2	A	1 3	F		M526		H10					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	TM / ROOM	HL TEST ANL FQ C / ACCURACY	FREQ	***SEISMIC (S) PARAMETERS*** / AGING	DBE	C	HOURS	*ENV. (E) PARAMETERS* / COMPOSITE EPN
FPC-TI-6							D									
TEMP IND FOR FPC-TE-6						R 467		R61								4320
215	3	A	4 3	I	M526		F9									
FPC-TI-7							D									
FUEL POOL						R 471		R31								4320
215	3	A	4 3	I	M526		H10									
FPC-TI-8							D									
FUEL POOL						R 471		R31								4320
215	3	A	4 3	I	M526		H10									
HPCS-DPIS-9					I204 288A		N A	086001								
HPCS BREAK LOGIC H22-P024						R 475	L.2/3.9	R33	R206			E-IR-P024+				24
02E22	3	A	1 0	C	M520		J7									
HPCS-FIS-6					I204 289		A A	140001	N	14	00	33+				
HPCS-P-1 DISCH					H22-P024	R 475	L.2/3.9	R33	R206			E-IR-P024+				24
02E22	3	A	1 0	C	M520		B4									
HPCS-FT-5					G082 50-555-11CMA4WCF		A P	156003	N	14	00	33+				
HPCS-P-1 DISCH						R 471	L.2/3.9	R33	R206			E-IR-P024+				24
02E22	3	A	1 0	I	M520		B4									
HPCS-LHS-5					N007 84836-0577		R P	200007	Y							
LHS FOR HPCS-V-5 CONT ISOL						C 549	247 D AZ R17					HPCS-V-5+				24
69	2	A	2 0	C	M520		H8									
HPCS-LS-2A					M040 3.5-751-1X-MPG-M148Y		A B	207002	N	14	00					
SUPPRESSION POOL LVL HPCS VLV CNTL						R 465	J.5/4.1	R32								24
02E22	2	A	1 0	C	M543		B14									
HPCS-LS-2B					M040 159C4294P002		A B	207002	N	14	00					
SUPPRESSION POOL LVL HPCS VLV CNTL						R 471	M/8.0	R33								24
02E22	2	A	1 0	C	M543		B5									
HPCS-M-1					G080 5K6357XC10A		B A	213013	Y		01					
3000HP/373A MOTOR DRIVER HPCS-P-1						R 430	M.2/3.7	R13	R11			HPCS-P-1+				24
02E22	2	A	1 0	C	M520		B6									
HPCS-M-3					W120 7504786		A B	213016								
15HP/18A MOTOR FOR HPCS-P-3						R 430	L.5/3.5	R13	R11			HPCS-P-3+				24
35A	2	A	1 0	C	M520		C6									
HPCS-MO-1					L200 SMB-000-25/P128		A A	221001	N	14	00	33+				
1.6HP 3.4A MOTOR OPER. HPCS-V-1						R 435	M.0/4.0	R13	R11			HPCS-V-1+				24
02E22	2	A	1 0	C	M520		C7									
HPCS-MO-10					L200 SMB-3-150/C215Y		N A	221001	Y	14	00	33				
26.0HP MOTOR OPERATOR HPCS-V-10						R 451	M/3.8	R23	R106			HPCS-V-10+				24
02E22	2	A	1 0	C	M520		E3									

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	TM	HL TEST / ROOM	ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE	C	HOURS
HPCS-MO-11			L200		SMB-3-150/C212Y		B A	221001		N	14 00	33+				24
9.75HP MOTOR OPERATOR HPCS-V-11						R 451	M/3.8	R23		R106			HPCS-V-11+			
02E22	2	A	1 0	C	M520		E3									
HPCS-MO-12			L200		SMB-2-40/C184Y		A A	221001		N	14 00	33+				24
5HP 8.4A MOTOR OPER. HPCS-V-12						R 430	M/3.4	R13		R11			HPCS-V-12+			
02E22	2	A	1 0	C	M520		B5									
HPCS-MO-15			L200		SMB-2		B A	221001		N	14 00	33+				24
MOTOR OPERATOR HPCS-V-15						R 455	L.4/3.8	R23		R106			HPCS-V-15+			
02E22	2	A	1 0	C	M520		D7									
HPCS-MO-4			L200		SMB-4		B A	221001	P	N	14 00	33+				24
26HP 35A MOTOR OPERATOR HPCS-V-4						R 540	M.3/7.3	R53		R404			HPCS-V-4+			
02E22	2	A	1 0	C	M520		G7									
HPCS-PIS-13			I204		M288A		A A	245001		N	14 00	33+				24
HPCS-P-3 LOW DISCH ALARM H22-P024						R 475	L.2/3.9	R33		R206			E-IR-P024+			
02E22	3	A	1 0	I	M520		C4									
HPCS-PS-12			S382		SN-AA3-X105TT		A A	256016		N	14 00	33+				4320
HPCS-P-1 DISCH			H22-P024			R 471	L.2/3.9	R33		R206			E-IR-P024+			
02E22	2	A	1 0	C,E	M520		B5									
HPCS-PS-3			R240		SP-222-C		A A	256013								4320
HPCS-P-1 SUCTION						R 471	L.2/3.9	R33					E-IR-P024+			
02E22	2	A	2 0	G	M520		C6									
LD-TE-18A			P427		282-N1A72		A H	339004		N	01	99+				24
LD TE RHR EQUIP AREA AMB TEMP						R 468	M.7/9.0									
02E31	2	A	1 0	F,B1	807E154TC/		3B									
LD-TE-18B			P427		282-N1A72		A M	339004		N	01	99+				24
LD TE RHR EQUIP AREA AMB TEMP						R 465	K.0/9.0									
02E31	2	A	1 0	F,B1	807E154TC/		3F									
LD-TE-18C			P427		282-N1A72		A M	339004		N	01	99+				24
LD TE RHR EQUIP AREA AMB TEMP						R 468	M.7/9.0									
02E31	2	A	1 0	F,B1	807E154TC/		3B									
LD-TE-18D			P427		282-N1A72		A M	339004		N	01	99+				24
LD TE RHR EQUIP AREA AMB TEMP						R 465	K.0/9.0									
02E31	2	A	1 0	F,B1	807E154TC/		3F									
LD-TE-1A			N070		145C3224P001		A M	339004	W	N	01	99+				24
LD TE RWCU PMP RM 1 INLET VENT						R 532	M.8/4.7									
02E31	2	A	1 0	F,B1	807E154TC/		2B2									
LD-TE-1B			N070		145C3224P001		A M	339004	W	N	01	99+				24
LD TE RWCU PMP RM 1 INLET VENT						R 532	M.6/4.4									
02E31	2	A	1 0	F,B1	807E154TC/		2F2									

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID	ZONE	TN	HL	TEST	ANL	FQ	C	***SEISMIC (S) PARAMETERS*** FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS / COMPOSITE EPN
LD-TE-1C					N070	145C3224P001		A	M	339004	W	N					01				99+
LD TE RWCU PMP RM 2 INLET VENT							R 532 M.8/5.0														24
02E31	2	A	1	0 F.B1		807E154TC/	2B4														
LD-TE-1D					N070	5641-R-DACAR		A	M	339004	W	N					01				99+
LD TE RWCU PMP RM 2 INLET VENT							R 532 N.2/5.4														24
02E31	2	A	1	0 F.B1		807E154TC/	2F4														
LD-TE-1E					P427	N145C3224P1		A	M	339004		N					01				99+
LD TE RWCU HEAT EXCH RM INLET VENT							R 554 K.1/3.4														24
02E31	2	A	1	0 F.B1		807E154TC/	2B5														
LD-TE-1F					P427	N145C3224P1		A	M	339004		N					01				99+
LD TE RWCU HEAT EXCH RM INLET VENT							R 554 K.1/3.4														24
02E31	2	A	1	0 F.B1		807E154TC/	2F5														
LD-TE-24A					N070	N145C3224P1		A	M	339004		N					01				99+
LD TE RCIC PIPE ROUTING AREA AMB							R 467														24
02E31	2	A	1	0 F.B1		807E154TC/	2B														
LD-TE-24B					N070	N145C3224P1		A	M	339004		N					01				99+
LD TE RCIC PIPE ROUTING AREA AMB							R 467														24
02E31	2	A	1	0 F.B1		807E154TC/	2F														
LD-TE-25B					N070	N145C3224P1		B	M	339004		N					01				99+
LD TE RCIC PIPE ROUTE INLET VENT							R 436														24
02E31	2	A	1	0 F.B1		807E154TC/	2F														
LD-TE-26A					N070	N145C3224P1		B	M	339004		N					01				99+
LD TE RCIC PIPE ROUTE OUTLET VENT							R 467														24
02E31	2	A	1	0 F.B1		807E154TC/	2E														
LD-TE-26B					N070	N145C3224P1		B	M	339004		N					01				99+
LD TE RCIC PIPE ROUTE OUTLET VENT							R 467														24
02E31	2	A	1	0 F.B1		807E154TC/	2K														
LD-TE-27A					N070	N145C3224P1		B	M	339004		N					01				99+
LD TE RHR EQUIP AREA INLET VENT							R 432 L5/9.4			R13		R7									24
02E31	2	A	1	0 F.B1		807E154TC/	3B9														
LD-TE-27B					N070	N145C3224P1		B	M	339004		N					01				99+
LD TE RHR EQUIP AREA INLET VENT							R 432 K9/9.4			R11		R6									24
02E31	2	A	1	0 F.B1		807E154TC/	3F9														
LD-TE-27C					N070	N145C3224P1		B	M	339004		N					01				99+
LD TE RHR EQUIP AREA INLET VENT							R 432 L5/9.4			R13		R7									24
02E31	2	A	1	0 F.B1		807E154TC/	3B														
LD-TE-27D					N070	N145C3224P1		B	M	339004		N					01				99+
LD TE RHR EQUIP AREA INLET VENT							R 432 K9/9.4			R11		R6									24
02E31	2	A	1	0 F.B1		807E154TC/	3F														

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	ENV. (E) PARAMETERS AGING DBE C / COMPOSITE EPN	HOURS
LD-TE-28A					P427	282F9T37	B M	339004	N	01	99+		24
LD TE RHR EQUIP AREA OUTLET VENT					R 461	L3/9.3		R23	R115				
02E31	2	A	1 0	F,B1	807E154TC/	3E9							
LD-TE-28B					P427	282F9T37	B M	339004	N	01	99+		24
LD TE RHR EQUIP AREA OUTLET VENT					R 465	K.9/9.3		R21	R116				
02E31	2	A	1 0	F,B1	807E154TC/	3K7							
LD-TE-28C					P427	282F9T37	B M	339004	N	01	99+		24
LD TE RHR EQUIP AREA OUTLET VENT					R 461	L3/9.3		R23	R115				
02E31	2	A	1 0	F,B1	807E154TC/	3E							
LD-TE-28D					P427	282F9T37	B M	339004	N	01	99+		24
LD TE RHR EQUIP AREA OUTLET VENT					R 465	K.9/9.3		R21	R116				
02E31	2	A	1 0	F,B1	807E154TC/	3K							
LD-TE-29A					P427	N145C3224P1	B M	339004	N	01	99+		24
LD TE MN STM LINE TUNNEL INLET VEN					R 502	H.4/5.8		R42	R310				
02E31	2	A	1 0	F,B1	807E154TC/	3B5							
LD-TE-29B					P427	N145C3224P1	B M	339004	N	01	99+		24
LD TE MN STM LINE TUNNEL INLET VEN					R 502	H.4/5.8		R42	R310				
02E31	2		1 0	F,B1	807E154TC/	3B6							
LD-TE-29C					P427	N145C3224P1	B M	339004	N	01	99+		24
LD TE MN STM LINE TUNNEL INLET VEN					R 502	H.4/6.6		R41	R310				
02E31	2	A	1 0	F,B1	807E154TC/	3F5							
LD-TE-29D					N070	N145C3224P1	B M	339004	N	01	99+		24
LD TE MN STM LINE TUNNEL INLET VEN					R 502	H.4/6.2		R41	R310				
02E31	2	A	1 0	F,B1	807E154TC/	3F6							
LD-TE-2A					P427	102-9039-08	A M	339004	W N	01	99+		24
LD TE RWCU PMP RM 1 OUTLET VENT					R 532	M.3/4.5							
02E31	2	A	1 0	F,B1	807E154TC/	2E2							
LD-TE-2B					P427	102-9039-08	A M	339004	W N	01	99+		24
LD TE RWCU PMP RM 1 OUTLET VENT					R 532	M.3/4.5							
02E31	2	A	1 0	F,B1	807E154TC/	2K2							
LD-TE-2C					P427	102-9039-08	A M	339004	W N	01	99+		24
LD TE RWCU PMP RM 2 OUTLET VENT					R 532	M.8/5.4							
02E31	2	A	1 0	F,B1	807E154TC/	2E4							
LD-TE-2D					P427	102-9039-08	A M	339004	W N	01	99+		24
LD TE RWCU PMP RM 2 OUTLET VENT					R 532	M.8/5.4							
02E31	2	A	1 0	F,B1	807E154TC/	2K4							
LD-TE-2E					P427	288F9734	A M	339004	N	01	99+		24
LD TE RWCU HEAT EXCH RM OUTLET VEN					R 570	4.4/L.9		R62	R510				
02E31	2	A	1 0	F,B1	807E154TC/	2E5							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID	TM	ZONE	HL TEST	ROOM	ANL FQ C / ACCURACY	FREQ	ENV. (E) PARAMETERS AGING	DBE	C	HOURS / COMPOSITE EPN
LD-TE-2F					P427	288F9734	A M	339004			N		01	99+				24
LD TE RWCU HEAT EXCH RM OUTLET VEN						R 570	4.4/L.9			R62		R510						
02E31	2	A	1 0	F,B1		807E154TC/	2K5											
LD-TE-30A					P427	102-9039-08	B M	339004	W		N		01	99+				24
LD TE MN STM LINE TUNNEL OUTLET V						R 528	J.0/5.9			R42		R310						
02E31	2	A	1 0	F,B1		807E154TC/	3E5											
LD-TE-30B					P427	102-9039-08	B M	339004	W		N		01	99+				24
LD TE MN STM LINE TUNNEL OUTLET V						R 526	J.0/5.6			R42		R310						
02E31	2	A	1 0	F,B1		807E154TC/	3E6											
LD-TE-30C					P427	102-9039-08	B M	339004	W		N		01	99+				24
LD TE MN STM LINE TUNNEL OUTLET V						R 526	J.0/5.2			R41								
02E31	2	A	1 0	F,B1		807E154TC/	3K5											
LD-TE-30D					P427	102-9039-08	B M	339004	W		N		01	99+				24
LD TE MN STM LINE TUNNEL OUTLET V						R 526	J.0/6.1			R41		R310						
02E31	2	A	1 0	F,B1		807E154TC/	3K6											
LD-TE-31A					P427	N145C3224P001	B M	339004			N		01	99+				24
LD TE MN STM LINE TUNNEL AMB TEMP						R 502	H.7/5.8			R42		R310						
02E31	2	A	1 0	F,B1		807E154TC/	3B7											
LD-TE-31B					P427	N145C3224P001	B M	339004			N		01	99+				24
LD TE MN STM LINE TUNNEL AMB TEMP						R 502	H.7/5.6			R42		R310						
02E31	2	A	1 0	F,B1		807E154TC/	3B8											
LD-TE-31C					P427	N145C3224P001	B M	339004			N		01	99+				24
LD TE MN STM LINE TUNNEL AMB TEMP						R 502	H.7/6.6			R41		R310						
02E31	2	A	1 0	F,B1		807E154TC/	3F7											
LD-TE-31D					P427	N145C3224P001	B M	339004			N		01	99+				24
LD TE MN STM LINE TUNNEL AMB TEMP						R 502	H.7/6.2			R41		R310						
02E31	2	A	1 0	F,B1		807E154TC/	3F8											
LD-TE-3A					P427	102-9039-08	B M	339004			N		01	99+				24
LD TE RWCU PMP RM 1						R 532	H.5/4.6											
02E31	2	A	1 0	F,B1		807E154TC/	2B9											
LD-TE-3B					P427	102-9039-08	B M	339004	W		N		01	99+				24
LD TE RWCU PMP RM 1						R 532	H.5/4.6											
02E31	2	A	1 0	F,B1		807E154TC/	2F9											
LD-TE-3C					P427	102-9039-08	B M	339004	W		N		01	99+				24
LD TE RWCU PMP RM 2						R 532	H.8/5.3											
02E31	2	A	1 0	F,B1		807E154TC/	2B											
LD-TE-3D					P427	102-9039-08	B M	339004	W		N		01	99+				24
LD TE RWCU PMP RM 2						R 532	H.8/5.3											
02E31	2	A	1 0	F,B1		807E154TC/	2F											

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	TM / ROOM	HL TEST ANL FO C. / ACCURACY	FREQ	AGING / COMPOSITE EPN	DBE	C	HOURS
LD-TE-3E					P427	288F9T34	A M	339004	N	01	99+				24
LD TE RWCU HEAT EXCH RM						R 570	4/L	R61	R510						
02E31	2	A	1 0	F,B1	807E154TC/		2B6								
LD-TE-3F					P427	288F9T34	A M	339004	N	01	99+				24
LD TE RWCU HEAT EXCH RM						R 570	4.0/L.0	R61	R510						
02E31	2	A	1 0	F,B1	807E154TC/		2F6								
LD-TE-4A					P427	102-9039-08	A M	339004	N	01	99+				24
LD TE RCIC EQUIP AREA						R 467	J.0/7.5	R21	R112						
02E31	2	A	1 0	F,B1	807E154TC/		3B4								
LD-TE-4B					P427	102-9039-08	A M	339004	N	01	99+				24
LD TE RCIC EQUIP AREA						R 467	J.0/7.5	R21	R112						
02E31	2	A	1 0	F,B1	807E154TC/		3F4								
LD-TE-5A					N070	N145C3224P1	B M	339004	N	01	99+				24
LD TE RCIC EQUIP AREA INLET VENT						R 436									
02E31	2	A	1 0	F,B1	807E154TC/		3B2								
LD-TE-5B					N070	N145C3224P1	B M	339004	N	01	99+				24
LD TE RCIC EQUIP AREA INLET VENT						R 436									
02E31	2	A	1 0	F,B1	807E154TC/		3F2								
LD-TE-6A					P427	282-N1A72	A M	339004	N	01	99+				24
LD-TE RCIC EQUIP AREA OUTLET VENT						R 460	H.4/7.5	R21	R112						
02E31	2	A	1 0	F,B1	807E154TC/		3E2								
LD-TE-6B					P427	282-N1A72	A M	339004	N	01	99+				24
LD-TE RCIC EQUIP AREA OUTLET VENT						R 460	H.4/7.5	R21	R112						
02E31	2	A	1 0	F,B1	807E154TC/		3K2								
LPCS-DPIS-6					I204	288A	A A	086001	N	14 00	33+				24
INJECTION VALVE D/P					H22-P001	R 475	K.0/4.2	R32	R206			E-CP-P001+			
02E21	2	A	1 0	C	M520		G11								
LPCS-FIS-4					I204	289A	A A	140001	N	14 00	33+				24
LPCS-P-1 DISCH FLOW					H22-P001	R 475	K.0/4.2	R32	R206			E-CP-P001+			
02E21	3	A	1 0	C	M520		B14								
LPCS-FT-3					B080	555	A P	156003	N	14 00	33+				24
LPCS-P-1 DIS FLOW TX						R 473	K.0/4.2	R32				E-CP-P001+			
02E21	3	A	1 0	C	M520		B14								
LPCS-M-1					G082	SK437X665A	B A	213033	Y	01					24
1500HP/192A MOTOR DIRVER LPCS-P-1						R 429	K.2/3.8	R12	R12			LPCS-P-1+			
02E21	2	A	1 0	C	M520		B12								
LPCS-MO-1					L200	SMB-0-40/T56	A A	221001	Y	14 00	35				24
1.62HP MOTOR OPERATOR LPCS-V-1						R 460	K/4.1	R12	R114			LPCS-V-1+			
41A	2	A	1 0	C,B1	M520		D11								

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QIO ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
LPCS-MO-11					L200	SMB-000-3/K48		G A	221001					
MOTOR OPERATOR LPCS-FCV-11							R 425 K.2/3.5		R12	R12			LPCS-FCV-11+	24
02E21	2	A	1 0	C		M520	B13							
LPCS-MO-12					L200	SMB-3		A A	221001	Y 14 00		37		
3.89HP MOTOR OPERATOR LPCS-V-12							R 460 K.0/3.6		R22	R114			LPCS-V-12+	.170
41B	2	A	1 0	C.B1		M520	E15							
LPCS-MO-5					L200	SMB-3-100/254UR3		A A	221001	Y 14 00		37		
9.75HP MOTOR OPERATOR LPCS-V-5							R 530 L.8/4.3		R53	R404			LPCS-V-5+	24
41A	2	A	1 0	C		M520	G11							
LPCS-PIS-1					R290	SP-222-C		D M	245003					
LPCS-P-1 DISCH TO ADS PERMISSIVE							R 475 K.0/4.2		R32				E-IR-P001+	4320
02E21	2	A	1 0	C.G		M520	B13							
LPCS-PS-5					B080	288		A M	256013	N 14 00		33+		
LPCS-P-1 DISCHARGE H22-P001							R 471 K/4.2		R12	R12			E-IR-P001+	4320
02H22	2	A	2 0	G		M520	B14							
LPCS-PS-9					B069	P1H-H340SS-V		A A	256005	N 14 00		33+		
LPCS PMP DISCH PS TO ADS PERMISSIV							R 471 K/4.2		R12	R12			E-IR-P001+	4320
02E21	2	A	1 0	C.G		M520	B13							
MS-DPI-5					G080	0227		R	243007					
MS DIF. PRESS. - - H22-P010							R 471 M5/4.5		R33				E-IR-P010+	4320
02	2	A	2 0	G		M530	G12							
MS-DPIS-10A					B080	288		N A	086001					
PCIS HI STM FLOW LINE C							R 501 H.7/7.3		T14	R305			E-IR-P015+	1.0
58	3	A	1 0	B1.I.F		M529	E3							
MS-DPIS-10B					B080	288		N A	086001					
PCIC HI STM FLOW LINE C							R 471 H.5/7.9		R33	R206			E-IR-P022+	1.0
58	3	A	1 0	B1.I.F		M529	E3							
MS-DPIS-10C					B080	288		A A	086001	N 14 00		33+		
PCIS HI STM FLOW LINE C							R 471 H.5/4.5		T14	R206			E-IR-P010+	1.0
58	3	A	1 0	B1.I.F		M529	E3							
MS-DPIS-10D					B080	288		A A	086001 R	N 14 00		33+		
PCIS HI STM FLOW LINE C							R 505 L.9/3.7		T14	R305			E-IR-P025+	1.0
58	3	A	1 0	B1.I.F		M529	E3							
MS-DPIS-11A					I204	0288		A A	086001	N 14 00		33+		
PCIS HI STM FLOW LINE D - H22-P015							R 506 H6/7.3		R41	R305			E-IR-P015+	1.0
02H	3	A	1 0	B1.I.F		M529	D3							
MS-DPIS-11B					B080	288A		A A	086001	N 14 00		33+		
PCIS HI STM FLOW LINE D							R 475 H.6/8.1		R33	R206			E-IR-P022+	1.0
02E31	3	A	1 0	B1.I.F		M529	D3							

EPN / DESCRIPTION / CONTRACT	LEVEL	EC	USE	SAFETY FUNCTION	MFG / MODEL	A/E DRAWING	BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / HL TEST / ANL FO C / ROOM / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / DBE / C / COMPOSITE EPN	HOURS
MS-DPIS-11C					I204 288A			A A	086001	N 14 00	33+		1.0
PCIS HI STM FLOW LINE D							R 475	M.5/4.5	R33	R206		E-IR-P010+	
02E31	3	A	1 0	B1,I,F		M529		C3					
MS-DPIS-11D					I294 288A			A A	086001	N 14 00	33+		1.0
PCIS HI STM FLOW LINE D							R 505	L.9/3.6	R43	R305		E-IR-P025+	
02E31	3	A	1 0	B1,I,F		M529		C3					
MS-DPIS-8A					I204 0288			A A	086001	N 14 00	33+		1.0
PCIS HI STM FLOW LINE A - H22-P015							R 505	H.6/7.3	R41	R305		E-IR-P015+	
02E31	3	A	1 0	B1,I,F		M529		E14					
MS-DPIS-8B					B080 288A			A A	086001	N 14 00	33+		1.0
PCIS HI STM FLOW LINE A - H22-P022							R 475	M.6/8.1	R33	R206		E-IR-P022+	
02E31	3	A	1 0	B1,I,F		M529		E14					
MS-DPIS-8C					I204 288A			A A	086001	N 14 00	33+		1.0
PCIS HI STM FLOW LINE A							R 475	M.5/4.5	R33	R206		E-IR-P010+	
02E31	3	A	1 0	B1,I,F		M529		E14					
MS-DPIS-8D					I204 288A			A A	086001	N 14 00	33+		1.0
PCIS HI STM FLOW LINE A							R 505	L.9/3.6	R43	R305		E-IR-P025+	
02E31	3	A	1 0	B1,I,F		M529		E14					
MS-DPIS-9A					I204 0288			A A	086001	N 14 00	33+		1.0
PCIS HI STM LINE A					H22-P015		R 504	H.6/7.3	R41	R305		E-IR-P015+	
02E31	3	A	1 0	B1,I,F		M529		D14					
MS-DPIS-9B					I204 288A			A A	086001	N 14 00	33+		1.0
PCIS HI STM FLOW LINE B					H22-P022		R 475	M.6/8.1	R53	R404		E-IR-P022+	
02E31	3	A	1 0	B1,I,F		M529		D14					
MS-DPIS-9C					I204 288A			A A	086001	N 14 00	33+		1.0
PCIS HI STM FLOW LINE B							R 475	M.5/4.5	R33	R206		E-IR-P010+	
02E31	3	A	1 0	B1,I,F		M529		C14					
MS-DPIS-9D					I204 288A			A A	086001	N 14 00	33+		1.0
PCIS HI STM FLOW LINE B							R 505	L.9/3.6	R43	R305		E-IR-P025+	
02E31	3	A	1 0	B1,I,F		M529		C14					
MS-DPT-32					G080 C555011NAA4WCA			A B	091004				4320
MAIN STEAM DIFF PRESS RPV							R 472	J.6/2.9				E-IR-P009+	
02	2	A	2 3	G		M530		G12					
MS-FT-33A					G082 4WCH			A A	156003				4320
MS FLOW - - H22-P010							R 471	M5/4.5	R33			E-IR-P010+	
02	2	A	2 3	G		M530		H12					
MS-FT-33B					G082 50555111BNAAWCA			A A	156003				4320
MS FLOW - - H22-P009							R 471	J.6/8.1	C34			E-IR-P009+	
02	2	A	2 3	G		M530		H6					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG	ELEV	STATUS S E / DETAIL A/E ZONE	QID / ZONE	TM	HL TEST / ROOM	ANL	EQ C / ACCURACY	FREQ	ENV. (E) PARAMETERS AGING	DBE	C	HOURS / COMPOSITE EPN
MS-FT-33C					G082	4EAH			A A	156003									4320
MS FLOW - - H22-P010							R	471	M.5/4.5	R33						E-IR-P010+			
02	2	A	2 3	G		M530			H13										
MS-FT-33D					G082	50555111BNAAWCH			A A	156003									4320
MS FLOW - - H22-P009							R	471	J.6/8.1	C34						E-IR-P009+			
02	2	A	2 3	G		M530			H5										
MS-FT-34A					G080	555111BNAAWCA			A A	156003	F		22	0 1					4320
NB-JP-1 FLOW TRANSMITTER							R	471	M.5/4.5							E-IR-P010+			
02	2	A	2 3	G		M530			H13										
MS-FT-34B					G080	555111BNAA4WCA			A A	156003	F		22	0 0					4320
NB-JP-11 FLOW TRANSMITTER							R	471	J.6/8.1							E-IR-P009+			
02	2	A	2 3	G		M530			E2										
MS-FT-34C					G080	555111BNAAWCA			A A	156003	F		22	0 1					4320
NB-JP-2 FLOW TRANSMITTER							R	471	M.5/4.5							E-IR-P010+			
02	2	A	2 3	G		M530			H13										
MS-FT-34D					G080	555111BNAA4WCA			A A	156003	F		22	0 0					4320
NB-JP-12 FLOW TRANSMITTER							R	471	J.6/8.1							E-IR-P009+			
02	2	A	2 3	G		M530			E2										
MS-FT-34E					G080	555111BNAA4EAE			A A	156003	F		22	0 1					4320
NB-JP-3 FLOW TRANSMITTER							R	471	M.5/4.5							E-IR-P010+			
02	2	A	2 3	G		M530			H13										
MS-FT-34F					G080	555111BNAA4WCA			A A	156003	F		22	0 0					4320
NB-JP-13 FLOW TRANSMITTER							R	471	J.6/8.1							E-IR-P009+			
02	2	A	2 3	G		M530			E2										
MS-FT-34G					G082	4EAH			A A	156003									4320
NB-JP-4 FLOW TRANSMITTER							R	471	M.5/4.5							E-IR-P010+			
02	2	A	2 3	G		M530			H13										
MS-FT-34H					G082	50555111BNAA4WCA			A A	156003									4320
NB-JP-14 FLOW TRANSMITTER							R	471	J6/8.1							E-IR-P009+			
02	2	A	2 3	G		M530			E2										
MS-FT-34J					G082	4EAH			A A	156003									4320
NB-JP-5 FLOW TRANSMITTER							R	471	M.5/4.5	R33						E-IR-P010+			
02	2	A	2 3	G		M530			H13										
MS-FT-34K					G082	50555111BNAA4WCA			A A	156003									4320
NB-JP-15 FLOW TRANSMITTER							R	471	J.6/8.1	R31						E-IR-P009+			
02	2	A	2 3	G		M530			H5										
MS-FT-34L					G082	4EAH			A B	156003									4320
NB-JP-6 FLOW TRANSMITTER H22-P010							R	471	M.5/4.5	R33						E-IR-P010+			
02	2	A	2 3	G		M530			H13										

EPN / DESCRIPTION / CONTRACT	LEVEL	EC	USE	SAFETY FUNCTION	MFG	MODEL	BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
MS-FT-34M					G082	50555111BNAA4WCA		A A	156003				4320
NB-JP-16 FLOW TRANSMITTER							R 471	J6/8.1				E-IR-P009+	
02	2	A	2	3 G		M530		E2					
MS-FT-34N					G082	4EAH		A A	156003				4320
NB-JP-7 FLOW TRANSMITTER					H22-P010		R 471	M.5/4.5	R33			E-IR-P010+	
02	2	A	2	3 G		M530		H13					
MS-FT-34P					G082	555111BNAA4WCA		A A	156003				4320
NB-JP-17 FLOW TRANSMITTER							R 471	M.5/4.5				E-IR-P010+	
02	2	A	2	3 G		M530		F2					
MS-FT-34R					G082	4EAH		A A	156003				4320
NB-JP-8 FLOW TRANSMITTER					H22-P010		R 471	M.5/4.5	R33			E-IR-P010+	
02	2	A	2	3 G		M530		H13					
MS-FT-34S					G082	555111BNAA4WCA		A B	156003				4320
NB-JP-18 FLOW TRANSMITTER							R 471	J.6/8.1				E-IR-P009+	
02	2	A	2	3 G		M530		E2					
MS-FT-34T					G082	4EAH		A A	156003				4320
NB-JP-9 FLOW TRANSMITTER					H22-P010		R 471	M.5/4.5	R33			E-IR-P010+	
02	2	A	2	3 G		M530		H14					
MS-FT-34U					G082	555111BNAA4WCA		A A	156003				4320
NB-JP-19 FLOW TRANSMITTER							R 471	J.6/8.1				E-IR-P009+	
02	2	A	2	3 G		M530		E2					
MS-FT-34V					G082	4EAH		A A	156003				4320
NB-JP-10 FLOW TRANSMITTER					H22-P010		R 471	M.5/4.5	R33			E-IR-P010+	
02	2	A	2	3 G		M530		H14					
MS-FT-34W					G080	555111BNAAA4WCA		A A	156003				4320
MS FLOW - - H22-P009							R 471	J.6/8.1	R31			E-IR-P009+	
02	2	A	2	3 G		M530		H4					
MS-LIS-24A					I204	16483		A A	198001	F N 14 00	33+		24
REACTOR LEVEL 3 AND 8 TRIPS							R 525	H.4/7.1	R51			E-IR-P004+	
02B22	2	A	1	0 A,B1,C		M529		H12					
MS-LIS-24B					I204	16483		A A	198001	N 14 00	33+		24
MS LEVEL					H22-P027		R 527	H7/6.8	R53	R404		E-IR-P027+	
02B22	2		1	0 A,B1		M529		J5					
MS-LIS-24C					I204	16483		A A	198001	N 14 00	33+		24
MS LEVEL					H22-P005		R 526	N8/5.8	R53	R404		E-IR-P005	
02B22	2	A	1	0 A,B1,C		M529		H5					
MS-LIS-24D					I204	16483		A A	198001	F N 14 00	33+		24
MS LEVEL					H22-P026		R 530	J.9/4.5	R52	R404		E-IR-P026+	
02B22	2	A	1	0 A,B1		M529		J12					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM	HL	TEST / ROOM	ANL	FQ	C / ACCURACY	FREQ	AGING	DBE	C	HOURS / COMPOSITE EPN
MS-LIS-31A					I204	16483				A	A	198001	F										24
VESSEL LEVEL FOR HPCS					H22-P004		R	525	4.5/7.4			R51			R404							E-IR-P004+	
02B22	2	A	1	0 C		M529			H14														
MS-LIS-31B					I204	16483				A	A	198001		N	14	00			33+				24
VESSEL LEVEL FOR HPCS					H22-P005		R	526	N.8/5.8			R53			R404							E-IR-P005+	
02B22	2	A	1	0 C		M529			H4														
MS-LIS-31C					I204	16483				A	A	198001											24
VESSEL LEVEL FOR HPCS					H22-P004		R	525	4.5/7.1			R51			R404							E-IR-P004+	
02B22	2	A	1	0 C		M529			H14														
MS-LIS-31D					I204	16483				A	A	198001		N	14	00			33+				24
VESSEL LEVEL FOR HPCS					H22-P004		R	526	N.8/5.8			R51			R404							E-IR-P004+	
02B22	2	A	1	0 C		M529			H4														
MS-LIS-36A					Y010	33961				N	A	198002	W	N	14	00			33+				24
MS LEVEL					H22-P026		R	530	J.9/4.5			R52										E-IR-P026+	
02B22	2	A	1	0 C		M529			J14														
MS-LIS-36B					Y010	4418C				N	A	198002		N	14	00			33+				24
MS LEVEL					H22-P027		R	522	J8/4.6			R52										E-IR-P027+	
02B22	2	A	1	0 C		M529			J14														
MS-LIS-36C					Y010	4418C				N	A	198002	F	N	14	00			33+				24
MS LEVEL					H22-P026		R	524	J.9/4.5			R53										E-IR-P026+	
02B22	2	A	1	0 C		M529			H4														
MS-LIS-36D					Y010	4418C				N	A	198002	F	N	14	00			33+				24
MS LEVEL					H22-P027		R	527	M.7/6.8			R53										E-IR-P027+	
02B22	2	A	1	0 C		M529			H4														
MS-LIS-37A					I204	16483				A	A	198001		N	14	00			33+				24
MS LEVEL					H22-P026		R	530	J/4.5			R52			R404							E-IR-P026+	
02B22	2	A	1	0 A		M529			J13														
MS-LIS-37B					I204	16483				A	A	198001	F	N	14	00			33+				24
MS LEVEL					H22-P027		R	527	M.7/6.8			R53			R404							E-IR-P027+	
02B22	2	A	1	0 A		M529			H4														
MS-LIS-37C					I204	16483				A	A	198001	F	N	14	00			33+				24
MS LEVEL					H22-P026		R	524	J.9/4.5			R52			R404							E-IR-P026+	
02B22	2	A	1	0 A		M529			J13														
MS-LIS-37D					I204	16483				A	A	198001	F	N	14	00			33+				24
MS LEVEL					H22-P027		R	527	M.7/6.8			R53			R404							E-IR-P027+	
02B22	2	A	1	0 A		M529			H4														
MS-LIS-38A					B080	288A				A	A	198001	F	N	14	00			33+				24
MS LEVEL					H22-P026		R	524	J.9/4.5			R52			R404							E-IR-P026+	
02B22	2	A	1	0 A		M529			J12														

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	TH	HL TEST ANL FO C / ROOM	ACCURACY	FREQ	ENV. (E) PARAMETERS / AGING	DBE	C	HOURS / COMPOSITE EPN
MS-LIS-38B					I204	958-943-467-947			A	A 198001		N	14 00	33+				24
MS LEVEL					H22-P027		R 527	M.7/6.8		R53		R404			E-IR-P027+			
02B22	2	A	1 0	A		M529		J5										
MS-LITS-26A					I204	760			A	M 199001	F	N	14 00	33+				24
MS LEVEL - - H22-P004							R 530	J/4.5		R51		R404			E-IR-P026+			
02B22	2	A	1 0	A		M529		H13										
MS-LITS-26B					I204	943-958-93			A	H 199001	F	N	14 00	33+				24
MS LEVEL							R 527	M.7/6.8		R53		R404			E-IR-P027+			
02B22	2	A	1 0	A		M529		H4										
MS-LITS-26C					B080	760			A	M 199001		N	14 00	33+				24
MS LEVEL					H22-P005		R 526	N8/5.8		R53		R404			E-IR-P026+			
02B22	2	A	1 0	A		M529		H4										
MS-LITS-26D					B080	760			A	M 199001		N	14 00	33+				24
MS LEVEL					H22-P026		R 522	J8/14.6		R53					E-IR-P027+			
02B22	2	A	1 0	A		M529		J13										
MS-LITS-44A					I204	760			A	M 199001								24
MS LEVEL TRIP					H22-P010		R 471	M.5/4.5		R33					E-IR-P010+			
02B22	2	A	1 0	A		M530		H14										
MS-LITS-44B					I204	760			A	M 199001		N	14 00	33+				24
MS LEVEL TRIP					H22-P009		C 471	J.6/8.1		C34					E-IR-P009+			
02B22	2	A	1 0	A		M530		G6										
MS-LT-27					B042	555				P 209005								4320
MS LEVEL					H22-P027		R 523	M.8/6.6		R53					E-IR-H22/P027+			
02H22	2	A	1 0	G,I		M529		J4										
MS-MO-16					L200	SMB-000-7.5/L56			A	A 221001	P	Y	14 00	35				4320
MOTOR OPERATOR MS-V-16							C 504	0 D AZ R37		C45					MS-V-16+			
41A	2	A	1 3	B1,F		M529		B13										
MS-MO-19					L200	SMB-000-5/D56A			A	A 221001		N	14 00	35				4320
0.36HP 3.8A MOTOR OPERATOR MS-V-19							R 504	M.8/6.2		R42		R310			MS-V-19+			
41A	2	A	1 3	B1,F		M529		B14										
MS-MO-67A					L200	SMB-000-5/			S	A 221001								24
.5 HP MOTOR OPERATOR FOR MS-V-67A							R 501	H7/5.8		R42		R310			MS-V-67A+			
215	2	A	1 3	B1,F		M529		F13										
MS-MO-67B					L200	SMB-000-5/			S	A 221001								24
.5 HP MOTOR OPERATOR FOR MS-V-67B							R 501	H7/5.6		R42		R310			MS-V-67B+			
215	2	A	1 3	B1,F		M529		D13										
MS-MO-67C					L200	SMB-000-5/			S	A 221001								24
.5 HP MOTOR OPERATOR FOR MS-V-67C							R 501	H7/6.4		R41		R310			MS-V-67C+			
215	2	A	1 3	B1,F		M529		F4										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG	ELEV	STATUS S E / DETAIL / A/E ZONE	QID	ZONE	TM	HL	TEST	ANL	FO	C	FREQ	ACCURACY	ENV. (E) PARAMETERS AGING	DBE	C	HOURS	COMPOSITE EPN
MS-HO-67D			L200	SMB-000-5/					S A	221001													24	
.5 HP MOTOR OPERATOR FOR MS-V-67D							R	501	H7/6.2		R41		R310											MS-V-67D+
215	2	A	1 3	B1,F	M529				D4															
MS-PS-20A			B069	164C5354P00R000					A B	256002	F	N	14	00				33+					24	
MAIN STEAM ISO. VLV SCRAM INTERLOK							R	525	J.5/7.1		R51													E-IR-P004+
02B22	2	A	1 0	A	M529				H12															
MS-PS-20B			B069	164C5359P001R02					A B	256002	F	N	14	00				33+					24	
MS ISO VLV SCRAM INTLK							R	524	M.7/6.8		R53		R404											E-IR-P027+
02B22	2	A	1 0	A	M529				J5															
MS-PS-20C			B069	164C5359P001R03					A B	256002		N	14	00				33+					24	
MS ISO VLV SCRAM INTLK							R	526	N.8/5.8		R53		R404											E-IR-P005+
02B22	2	A	1 0	A	M529				H5															
MS-PS-20D			B069	164C5359P001R02					A B	256002	F	N	14	00				33+					24	
MS ISO VLV SCRAM INTLK							R	542	J.9/4.5		R52		R404											E-IR-P026+
02B22	2	A	1 0	A	M529				J12															
MS-PS-23A			B069	164C5359P001R03					A B	256002	F	N	14	00				33+					24	
HIGH VESSEL PRESSURE							R	575	J.5/7.1		R51		R404											E-IR-P004+
02B22	2	A	1 0	A	M529				H13															
MS-PS-23B			B069	164C5359P001R02					A B	256002	F	N	14	00				33+					24	
HIGH VESSEL PRESSURE							R	524	M.7/6.8		R53		R404											E-IR-P027+
02B22	2	A	1 0	A	M529				J5															
MS-PS-23C			B069	164C5359P001R03					A B	256002		N	14	00				33+					24	
HIGH VESSEL PRESSURE			H22-P005				R	526	N.8/5.8		R53		R404											E-IR-P005+
02B22	2	A	1 0	A	M529				H5															
MS-PS-23D			B069	164C5359P001R02					A B	256002	F	N	14	00				33+					24	
HIGH VESSEL PRESSURE			H22-P026				R	524	J.9/4.5		R52		R404											E-IR-P026+
02B22	2	A	1 0	A	M529				J13															
MS-PS-45A			B069	164C5359P001R03					A B	256002	F	N	14	00				33+					24	
MS PRESSURE			H22-P026				R	524	J.5/4.5		R52		R404											E-IR-P026+
02B22	2	A	1 0	C	M529				J13															
MS-PS-45C			B069	164C5359P001R03					A B	256002	F	N	14	00				33+					24	
MS PRESSURE			H22-P027				R	524	M.7/6.8		R53		R404											E-IR-P027+
02B22	2	A	1 0	C	M529				J5															
MS-PS-45D			B069	164C5359P001R03					A B	256002	F	N	14	00				33+					24	
MS PRESSURE			H22-P027				R	524	M.7/6.8		R53		R404											E-IR-P027+
02B22	2	A	1 0	C	M529				J5															
MS-PS-47A			S382	17N-AAS-SLOTT					A A	256016	F	N	14	00				33+					24	
DRYWELL							R	575	J.5/7.1		R51													E-IR-P004+
02B22	2	A	1 0	C	M529				G12															

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID / ZONE	TM HL TEST ANL FO C / ROOM	ACCURACY	FREQ	ENV. (E) PARAMETERS AGING DBE C / COMPOSITE EPN	HOURS
MS-PS-47B					S382 12N-AA5-X10TT		A A	256016	N 14 00		33+		24
DRYWELL PRESS FOR HPCS					H22-P005	R 526 N.8/5.8		R53	R404			E-IR-P005+	
02B22	2	A	1 0	C	M529	G4							
MS-PS-47C					S382 12H-AAS-X10TT		A A	256016 F	N 14 00		33+		24
DRYWELL PRESSURE						R 575 J.5/7.1		R51				E-IR-P004+	
02B22	2	A	1 0	C	M529	G12							
MS-PS-47D					S382 12N-AAS-NOTT		A A	256016	N 14 00		33+		24
DRYWELL PRESS FOR HPCS					H22-P005	R 526 N.8/5.8		R53	R404			E-IR-P005+	
02B22	2	A	1 0	C	M529	G4							
MS-PS-48A					S382 12-AA5-X1051TT		A A	256016 F	N 14 00		33+		24
DRYWELL PRESSURE					H22-P026	R 535 J.5/4.5		R52	R404			E-IR-P026+	
02B22	2	A	1 0	C	M529	G12							
MS-PS-48B					S382 12-AA5-X1051TT		A A	256016 F	N 14 00		33+		24
DRYWELL PRESSURE					H22-P027	R 527 M.7/6.8		R53	R404			E-IR-P027+	
02B22	2	A	1 0	C	M529	G5							
MS-PS-48C					S382 12N-AA5-X1051TT		A A	256016 F	N 14 00		33+		24
DRYWELL PRESSURE					H22-P026	R 535 J.5/4.5		R52	R404			E-IR-P026+	
02B22	2	A	1 0	C	M529	G12							
MS-PS-48D					S382 12N-AA5-X1051TT		A A	256016 F					24
DRYWELL PRESSURE					H22-P027	R 527 M.7/6.8		R53	R404			E-IR-P027+	
02B22	2	A	1 0	C	M529	G5							
MS-PT-51A					B042 556		A P	259001 F	N 14 00		33+		24
MS PRESSURE - - H22-P026						R 523 J.4/7.1		R52	R404			E-IR-P026+	
02B22	2	A	1 0	I	M529	H12							
MS-PT-51B					B042 556		A P	259001	N 14 00		33+		24
MS PRESSURE - - H22-P027						R 523 M.7/6.8		R53	R404			E-IR-P027+	
02B22	2	A	1 0	I	M529	J4							
MS-RE-3A					G080 237X731G001		D	277002					24
MAIN STEAM LINE "A" RADIATION						R 508 H7/5.9		R42	R310				
02D17	2	A	1 0	A	M502	D2							
MS-RE-3B					G080 237X731G001		D	277002					24
MAIN STEAM LINE "B" RADIATION						R 508 H7/5.6		R42	R310				
02D17	2	A	1 0	A	M502	D1							
MS-RE-3C					G080 237X731G001		D	277002					24
MAIN STEAM LINE "C" RADIATION						R 508 H7/6.4		R41	R310				
02D17	2	A	1 0	A	M502	D2							
MS-RE-3D					G080 237X731G001		D	277002					24
MAIN STEAM LINE "D" RADIATION						R 508 H7/6.1		R41	R310				
02D17	2	A	1 0	A	M502	D1							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG DRAWING	ELEV	STATUS / DETAIL / A/E ZONE	S E	QID	ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST	ANL FD C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE	C	HOURS
HS-SPV-22A2									P	P	315011	Y							
HS-V-22A PILOT SOLENOID						C	513 5	D AZ			R27	C45							.170
02B22	2	A	1 3	B1		M529		J3											
HS-SPV-22A3									P	P	315011	Y							
HS-V-22A PILOT SOLENOID						C	513 5	D AZ			R27	C45							.17
02B22	2	A	1 3	B1		M529		J3											
HS-SPV-22B2									P	P	315011	Y							
HS-V-22B PILOT SOLENOID						C	513 15	D AZ			R27	C45							.17
02B22	2	A	1 3	B1		M529		J3											
HS-SPV-22B3									P	P	315011	Y							
HS-V-22B PILOT SOLENOID						C	513 15	D AZ			R27	C45							.17
02B22	2	A	1 3	B1		M529		J3											
HS-SPV-22C2					A449				P	P	315011	Y							
HS-V-22C PILOT SOLENOID						C	513 345	D AZ			R27	C44							.17
02B22	2	A	1 3	B1		M529		J3											
HS-SPV-22C3					A449				P	P	315011	Y							
HS-V-22C PILOT SOLENOID						C	513 345	D AZ			R27	C44							.17
02B22	2	A	1 3	B1		M529		J3											
HS-SPV-22D2									P	P	315011	Y							
HS-V-22D PILOT SOLENOID						C	513 355	D AZ			R27	C44							.17
02B22	2	A	1 3	B1		M529		J3											
HS-SPV-22D3									P	P	315011	Y							
HS-V-22D PILOT SOLENOID						C	513 355	D AZ			R27	C44							.17
02B22	2	A	1 3	B1		M529		J3											
HS-SPV-28A2									P	P	315011								
HS-V-28A PILOT SOLENOID						R	513	H3/5.9			R42				MS-V-28A+				.17
02B22	2	A	1 3	B1		M529		F13											
HS-SPV-28A3									P	P	315011								
HS-V-28A PILOT SOLENOID						R	513	H.3/5.7			R42				MS-V-28A+				.17
02B22	2	A	1 3	B1		M529		F13											
HS-SPV-28B2									P	P	315011								
HS-V-28B PILOT SOLENOID						R	513	H3/5.6			R42				MS-V-28B+				.17
02B22	2	A	1 3	B1		M529		E13											
HS-SPV-28B3									P	P	315011								
HS-V-28B PILOT SOLENOID						R	513	H.3/56			R42				MS-V-28B+				.17
02B22	2	A	1 3	B1		M529		E13											
HS-SPV-28C2									P	P									
HS-V-28C PILOT SOLENOID						R	513	H3/6.4			R41				MS-V-28C+				.17
02B22	2	A	1 3	B1		M529		F04											

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
MS-SPV-28C3								P P	315011				.17
MN STM ISO VLV 28C PILOT SOLENOID							R 513	H.3/6.4	R41			MS-V-28C+	
02B22	2	A	1 3	B1	M529			F04					
MS-SPV-28D2								P P	315011				.17
MS-V-28D PILOT SOLENOID							R 513	H3/6.1	R41			MS-V-28D+	
02B22	2	A	1 3	B1	M529			E04					
MS-SPV-28D3								P P	315011				.17
MS-V-28D PILOT SOLENOID							R 513	H.3/6.1	R41			MS-V-28D+	
02B22	2	A	1 3	B1	M529			E04					
MS-SPV-3DA					A613	C-5246		R R	315008	Y			4320
ADS PILOT FOR MS-RV-3D							C 547	310 DEG AZ	R54			MS-RV-3D+	
02B22	2	A	1 0	C,E	M529			K15					
MS-SPV-3DB					A613	C-5246		R R	315008	Y			24
SOLENOID PILOT FOR MS-RV-3D							C 547	310 DEG AZ	R54			MS-RV-3D+	
02B22	2	A	1 0	C	M529			D8					
MS-SPV-4AA					A613	C-5246		R R	315008	Y			4320
ADS PILOT FOR MS-RV-4A							C 547	62 DEG AZ	R55			MS-RV-4A+	
02B22	2	A	1 0	C,E	M529			K15					
MS-SPV-4AB					A613	C-5246		R R	315008	Y			4320
ADS PILOT FOR MS-RV-4A							C 547	62 DEG AZ	R55			MS-RV-4A+	
02B22	2	A	1 0	C,E	M529			K15					
MS-SPV-4BA					A613	C-5246		R R	315008	Y			4320
ADS PILOT FOR MS-RV-4B							C 547	75 DEG AZ	R55			MS-RV-4B+	
02B22	2	A	1 0	C,E	M529			K15					
MS-SPV-4BB					A613	C-5246		R R	315008	Y			4320
ADS PILOT FOR MS-RV-4B							C 547	75 DEG AZ	R55			MS-RV-4B+	
02B22	2	A	1 0	C,E	M529			K15					
MS-SPV-4CA					A613	C-5246		R R	315008	Y			4320
ADS PILOT FOR MS-RV-4C							C 547	285 DEG AZ	R54			MS-RV-4C+	
02B22	2	A	1 0	C,E	M529			K15					
MS-SPV-4CB					A613	C-5246		R R	315008	Y			4320
ADS PILOT FOR MS-RV-4C							C 547	285 DEG AZ	R54			MS-RV-4C+	
02B22	2	A	1 0	C,E	M529			K15					
MS-SPV-4DA					A613	C-5246		R R	315008	Y			4320
ADS PILOT FOR MS-RV-4D							C 547	300 DEG AZ	R54			MS-RV-4D+	
02B22	2	A	1 0	C,E	M529			K15					
MS-SPV-4DB					A613	C-5246		R R	315008	Y			4320
ADS PILOT FOR MS-RV-4D							C 547	300 DEG AZ	R54			MS-RV-4D+	
02B22	2	A	1 0	C,E	M529			K15					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV	STATUS / DETAIL	S E	QID / A/E ZONE	ZONE	TH	HL	ROOM	TEST	ANL	FD C	ACCURACY	FREQ	ENV; (E) PARAMETERS / AGING	DBE	C	HOURS	COMPOSITE EPN
MS-SPV-5BA					A613	C-5246			R	R	315008			Y									4320	
ADS PILOT FOR MS-RV-5B							C	547 80 DEG AZ			R55													MS-RV-5B+
02B22	2	A	1 0	C,E		M529		K15																
MS-SPV-5BB					A613	C-5246			R	R	315008			Y									4320	
ADS PILOT FOR MS-RV-5B							C	547 80 DEG AZ			R55													HS-RV-5B+
02B22	2	A	1 0	C,E		M529		K15																
MS-SPV-5CA					A613	C-5246			R	R	315008			Y									4320	
ADS PILOT FOR MS-RV-5C							C	547 275 DEG AZ			R54													MS-RV-5C+
02B22	2	A	1 0	C,E		M529		K15																
MS-SPV-5CB					A613	C-5246			R	R	315008			Y									4320	
ADS PILOT FOR MS-RV-5C							C	547 275 DEG AZ			R54													MS-RV-5C+
02B22	2	A	1 0	C,E		M529		K15																
MS-TE-4A					P427	133D9679P001			T	M	339020			Y		00			00				24	
TE DWNSTRM OF MS-RV-2A							C	541 J4/4.8			C45													
02B22	2	A	1 0	I		M529		F10																
MS-TE-4B					P427	133D9679P001			T	M	339020			Y		00			00				24	
TE DWNSTRM OF MS-RV-2B							C	541 L2/4.2			C45													
02B22	2	A	1 0	I		M529		F10																
MS-TE-4C					P427	133D9679P001			T	M	339020			Y		00			00				24	
TE DWNSTRM OF MS-RV-2D							C	541 J5/7.2			C44													
02B22	2	A	1 0	I		M529		D7																
MS-TE-4D					P427	133D9679P001			T	M	339020			Y		00			00				24	
TE DWNSTRM OF MS-RV-2C							C	541 K1/7.7			C44													
02B22	2	A	1 0	I		M529		F6																
MS-TE-4E					P427	133D9679P001			T	M	339020			Y		00			00				24	
TE DWNSTRM OF MS-RV-1B							C	541 L9/4.3			R47													
02B22	2	A	1 0	I		M529		D11																
MS-TE-4F					P427	133D9679P001			T	M	339020			Y		00			00				24	
TE DWNSTRM OF MS-RV-2B							C	541 L5/4.2			R47													
02B22	2	A	1 0	I		M529		D11																
MS-TE-4G					P427	133D9679P001			T	M	339020			Y		00			00				24	
TE DWNSTRM OF MS-RV-3C							C	541 M5/7.2			R46													
02B22	2	A	1 0	I		M529		F7																
MS-TE-4H					P427	133D9679P001			T	M	339020			Y		00			00				24	
TE DWNSTRM OF MS-RV-3B							C	541 M/4.3			R47													
02B22	2	A	1 0	I		M529		D10																
MS-TE-4J					P427	133D9679P001			T	M	339020			Y		00			00				24	
TE DWNSTRM OF MS-RV-1A							C	541 M7/6.5			R46													
02B22	2	A	1 0	I		M529		F11																

EPN / DESCRIPTION / CONTRACT	LEVEL	EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG	ELEV	DETAIL / A/E ZONE	STATUS S E	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST / ANL ACCURACY	FO C	FREQ	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS / COMPOSITE EPN
MS-TE-4K					P427 133D9679P001				T M	339020	Y	00		00				24
TE DWNSTRM OF MS-RV-1D						C	541	J1/7.0		C44								
02B22	2	A	1 0	I	M529			D7										
MS-TE-4L					P427 133D9679P001				T M	339020	Y	00		00				24
TE DWNSTRM OF MS-RV-1C						C	541	J8/7.5		C44								
02B22	2	A	1 0	I	M529			F6										
MS-TE-4M					P427 133D9679P001				T M	339020	Y	00		00				24
TE DWNSTRM OF MS-RV-4C						C	541	M6/6.9		R46								
02B22	2	A	1 0	I	M529			F8										
MS-TE-4N					P427 133D9679P001				T M	339020	Y	00		00				24
TE DWNSTRM OF MS-RV-5C						C	541	M1/7.3		R46								
02B22	2	A	1 0	I	M529			F8										
MS-TE-4P					P427 133D9679P001				T M	339020	Y	00		00				24
TE DWNSTRM OF MS-RV-4D						C	541	K4/7.8		C44								
02B22	2	A	1 0	I	M529			D8										
MS-TE-4R					P427 133D9679P001				T M	339020	Y	00		00				24
TE DWNSTRM OF MS-RV-4B						C	541	L9/4.3		R47								
02B22	2	A	1 0	I	M529			D10										
MS-TE-4S					P427 133D9679P001				T M	339020	Y	00		00				24
TE DWNSTRM OF MS-RV-4A						C	541	L9/4.8		R47								
02B22	2	A	1 0	I	M529			F9										
MS-TE-4U					P427 133D9679P001				T M	339020	Y	00		00				24
TE DWNSTRM OF MS-RV-5B						C	541	J8/4.5		C45								
02B22	2	A	1 0	I	M529			D9										
MS-TE-4V					P427 133D9679P001				T M	339020	Y	00		00				24
TE DWNSTRM OF MS-RV-3D						C	541	J2/5.0		C45								
02B22	2	A	1 0	I	M529			D8										
MSLC-FT-3A					F180 E13DL				P	156001								24
LOOP "A" TO MANIFOLD						R	477	H.4/5.7		R32	R206							
215	2	A	1 0	F	M557			C5										
MSLC-FT-3B					F180 E13DL				P	156001								24
LOOP "B" TO MANIFOLD						R	474	H.4/5.7		R32	R206							
215	2	A	1 0	F	M557			C5										
MSLC-FT-3C					F180 E13DL				P	156001								24
LOOP "C" TO MANIFOLD						R	477	H.4/5.8		R32	R206							
215	2	A	1 0	F	M557			E5										
MSLC-FT-3D					F180 E13DL				P	156001								24
LOOP "D" TO MANIFOLD						R	474	H.4/5.8		R32	R206							
215	2	A	1 0	F	M557			E5										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID	ZONE	ROOM	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
MSLC-MO-1C					W120	TBFC		G A	221001						
1HP MOTOR OPERATOR MSLC-V-1C							R 474	H.5/5.6		R41	R310			MSLC-V-1C+	24
215	2	A	1 0	F	M557			D7							
MSLC-MO-1D					L200	SMC-04-3/42		G A	221001						
1HP MOTOR OPERATOR MSLC-V-1D							R 474	H.5/5.5		R41	R310			MSLC-V-1D+	24
215	2	A	1 0	F	M557			D6							
MSLC-MO-2A					L200	SMB-000-5/P48		G A	221001						
1HP MOTOR OPERATOR MSLC-V-2A							R 502	H6/5.3		R42	R310			MSLC-V-2A+	24
215	2	A	1 0	F	M557			C8							
MSLC-MO-2B					L200	SMB-000-5/P48		G A	221001						
1HP MOTOR OPERATOR MSLC-V-2B							R 502	H6/5.3		R42	R310			MSLC-V-2B+	24
215	2	A	1 0	F	M557			C8							
MSLC-MO-2C					L200	SMB-000-5/P48		G A	221001						
1HP MOTOR OPERATOR MSLC-V-2C							R 502	H6/6.4		R41	R310			MSLC-V-2C+	24
215	2	A	1 0	F	M557			E8							
MSLC-MO-2D					L200	SMB-000-5/P48		G A	221001						
1HP MOTOR OPERATOR MSLC-V-2D							R 502	H4/5.8		R41	R310			MSLC-V-2D+	24
215	2	A	1 0	F	M557			E8							
MSLC-MO-3A					L200	SMB-000-5/P48		G A	221001						
1HP MOTOR OPERATOR MSLC-V-3A							R 502	H6/5.5		R42	R310			MSLC-V-3A+	24
215	2	A	1 0	F	M557			C9							
MSLC-MO-3B					L200	SMB-000-5/P48		G A	221001						
1HP MOTOR OPERATOR MSLC-V-3B							R 502	H6/5.3		R42	R310			MSLC-V-3B+	24
215	2	A	1 0	F	M557			C8							
MSLC-MO-3C					L200	SMB-000-5/P48		G A	221001						
1HP MOTOR OPERATOR MSLC-V-3C							R 502	H6/6.4		R41	R310			MSLC-V-3C+	24
215	2	A	1 0	F	M557			E9							
MSLC-MO-3D					L200	SMB-000-5/P48		G A	221001						
1HP MOTOR OPERATOR MSLC-V-3D							R 502	H4/5.8		R41	R310			MSLC-V-3D+	24
215	2	A	1 0	F	M557			E8							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	HFG / A/E	MODEL / DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE	DBE C / EPN	HOURS
MSLC-MO-4					L200	SMB-000-5/P48		G A	221001						24
1.0HP MOTOR OPERATOR MSLC-V-4							R 502	H.2/6.0	R42	R310			MSLC-V-4+		
215	2	A	1 0	F		M557		J5							
MSLC-MO-5					L200	SMB-000-5/P48		G A	221001						24
1.0HP MOTOR OPERATOR MSLC-V-5							R 502	H.2/6.2	R42	R310			MSLC-V-5+		
215	2	A	1 0	F		M557		J5							
MSLC-MO-9					L200	SMB-000-5/P48		G A	221001						24
1 HP MOTOR OPERATOR MSLC-V-9							R 502	H.2/6.4	R42	R310			MSLC-V-9+		
215	2	A	1 0	F		M557		H5							
MSLC-PS-20					I204	0288		A A	256007	F N	14 00	04			24
REACTOR PRESS INTRLK							R 522	H.4/7.1	R51	R404			E-IR-74+		
58	3	A	1 0	F		M557		K8							
MSLC-PS-24					I204	0288		A A	256007	F N	14 00	04			24
HEADER PRESS							R 522	H.4/7.1	R51	R404			E-IR-74+		
58	3	A	1 0	F		M557		J8							
MSLC-PS-25					I204	0288		A A	256007	F N	14 00	04			24
HEADER PRESS							R 522	H.4/7.1	R51	R404			E-IR-74+		
58	3	A	1 0	F		M557		J8							
MSLC-PS-60					I204	0288		A A	256007	F N	14 00	04			24
HEADER PRESS							R 522	H.4/7.1	R51	R404			E-IR-74+		
58	3	A	1 0	F		M557		J8							
MSLC-PS-70A					I204	0288		A A	256007	F N	14 00	04			24
LOOP "A" PRESS							R 528	H.4/4.2	R52	R404			E-IR-73+		
58	3	A	1 0	F		M557		G8							
MSLC-PS-70B					B080	288A		B A	256007	N	14 00	04			24
LOOP "B" PRESS							R 528	H.4/4.2	R52	R404			E-IR-73+		
58	3	A	1 0	F		M557		F8							
MSLC-PS-70C					B080	0288		B A	256007	N	14 00	04			24
LOOP "C" PRESS							R 526	H.4/4.2	R52	R404			E-IR-73+		
58	3	A	1 0	F		M557		F8							
MSLC-PS-70D					B080	288A		B A	256007	N	14 00	04			24
LOOP "D" PRESS							R 528	H.4/4.2	R52	R404			E-IR-73+		
58	3	A	1 0	F		M557		F8							
MSLC-PS-7A					I204	0288		A A	256007	F N	14 00	04			24
LOOP "A"							R 535	H.2/4.2	R52	R404			E-IR-73+		
58	3	A	1 0	F		M557		G10							
MSLC-PS-7B					B080	288A		B A	256007	N	14 00	04			24
LOOP "B"							R 528	H.4/3.2	R52	R404			E-IR-73+		
58	3	A	1 0	F		M557		F9							

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / MODEL	BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL A/E ZONE	QID	ZONE	TM	HL TEST ROOM	ANL FO C ACCURACY	FREQ	ENV. (E) PARAMETERS AGING	DBE	C	HOURS	COMPOSITE EPN
MSLC-PS-7C					B080 288A		B A	256007		N	14	00	04				24	
LOOP "C"						R 528	H.4/4.2		R52		R404				E-IR-73+			
58	3	A	1 0	F		M557	F10											
MSLC-PS-7D					B080 288A		B A	256007		N	14	00	04				24	
LOOP "D"						R 522	H4/4.2		R52		R404				E-IR-73+			
58	3	A	1 0	F		M557	F10											
MSLC-PS-8A					I204 0288		A A	256007	F	N	14	00	04				24	
REACTOR PRESS INTRLK						R 528	H.4/4.2		R52		R404				E-IR-73+			
58	3	A	1 0	F		M557	G11											
MSLC-PS-8B					B080 288A		B A	256007		N	14	00	04				24	
REACTOR PRESS INTRLK						R 528	H.4/4.2		R52		R404				E-IR-73+			
58	3	A	1 0	F		M557	G11											
MSLC-PS-8C					B080 288A		B A	256007		N	14	00	04				24	
REACTOR PRESS INTRLK						R 528	H.4/4.2		R52		R404				E-IR-73+			
58	3	A	1 0	F		M557	G11											
MSLC-PS-8D					B080 288A		B A	256007		N	14	00	04				24	
REACTOR PRESS INTRLK						R 528	H.4/4.2		R52		R404				E-IR-73+			
58	3	A	1 0	F		M557	F11											
MSLC-PT-23					R369 1151GP9A22T0003PB		R B	259003									24	
HEADER PRESS						R 525	H.4/7.1		R51						E-IR-74+			
59	3	A	1 0	F		M557	J8											
MSLC-PT-6A					R369 1151GP9A22MBGE3		R B	259003									24	
MS LINE A PRESS						R 524	H.4/4.2		R52		R404				E-IR-73+			
59	3	A	1 0	F		M557	G10											
MSLC-PT-6B					R369 1151GP9A22MBGE3		A B	259003	R				07				24	
MS LINE B PRESS						R 524	H.4/4.2		R52		R404				E-IR-73+			
59	3	A	1 0	F		M557	G10											
MSLC-PT-6C					R369 1151GP9A22MBGE3		A B	259003	R				07				24	
MS LINE C PRESS						R 524	H.4/4.2		R52		R404				E-IR-73+			
59	3	A	1 0	F		M557	F10											
MSLC-PT-6D					R369 1151GP9A22MBGE3		A B	259003	R				07				24	
MS LINE D PRESS						R 524	H.4/4.2		R52		R404				E-IR-73+			
59	3	A	1 0	F		M557	F10											
MSLC-RLY-CR/1					A500 RK223067-EP		A T	283015		N	21	00	02				24	
DIV 2, MS-MSLC CONTROL INTRLK						R 526	H.4/7.1		R51						E-IR-74+			
58	3	A	1 0	F		E519/31	J9											
MSLC-RLY-CR/10					A500 RK223069-EP		A T	283015		N	21	00	02				24	
MSIV CLOSURE INTERLK						R 527	H.4/4.2		R52						E-IR-73+			
58	3	A	1 0	F		E519/30	E1											

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / HL TEST / ROOM	ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / DBE C / COMPOSITE EPN	HOURS
MSLC-RLY-CR/11					A500 RK223069-EP		A T	283015	N	21 00	02		24
MS-MSLC CONTROL INTERLK						R 527	H.4/4.2	R52				E-IR-73+	
58	3	A	1 0	F	E519/30		E1						
MSLC-RLY-CR/12					A500 RK223067-EP		A T	283015	F N	21 00	02		24
MS-MSLC CONTROL INTERLK						R 527	H.4/4.2	R52				E-IR-73+	
58	3	A	1 0	F	E519/30		E1						
MSLC-RLY-CR/13					A500 RK223069-EP		A T	283015	F N	21 00	02		24
MS-MSLC CONTROL INTERLK						R 527	H.4/4.2	R52				E-IR-73+	
58	3	A	1 0	F	E519/30		D1						
MSLC-RLY-CR/1A					A500 RK223067-EP		A T	283015	F N	21 00	02		24
DIV 1, MS-MSLC CONTROL INTRLK						R 528	H.4/4.2	R52				E-IR-73+	
58	3	A	1 0	F	E519/30		K13						
MSLC-RLY-CR/1B					A500 RK223067-EP		A T	283015	F N	21 00	02		24
MS-MSLC CONTROL INTERLK						R 528	H.4/4.2	R52				E-IR-73+	
58	3	A	1 0	F	E519/30		J13						
MSLC-RLY-CR/1C					A500 RK223067-EP		A T	283015	F N	21 00	02		24
MS-MSLC CONTROL INTERLK						R 527	H.4/4.2	R52				E-IR-73+	
58	3	A	1 0	F	E519/30		F13						
MSLC-RLY-CR/1D					A500 RK223067-EP		A T	283015	F N	21 00	02		24
MS-MSLC CONTROL INTERLK						R 527	H.4/4.2	R52				E-IR-73+	
58	3	A	1 0	F	E519/30		E13						
MSLC-RLY-CR/3					A500 RK223069-EP		A T	283015	N	21 00	02		24
DIV 2, ATMOS PRESS CNTRL INTRLK						R 526	H.4/7.1	R51				E-IR-74+	
58	3	A	1 0	F	E519/31		J9						
MSLC-RLY-CR/4					A500 RXMH2-RK223-067EP		A T	283015	N	21 00	33+		24
DIV 2, CONTROL SW INTRLK						R 522	H.4/7.1	R51				E-IR-74+	
218	3	A	1 0	F	E519/31								
MSLC-RLY-CR/5					S440 219XDXP		R T	283041					24
DIV 2, ATMOS PRESS CONTROL INTRLK						R 522	H.4/7.1	R51				E-IR-74+	
218	3	A	1 0	F	E519/31								
MSLC-RLY-CR/5A1					A500 RK223070-EP		A T	283015	F N	21 00	02		24
MSL PRESSURE INTERLK						R 528	H.4/4.2	R52				E-IR-73+	
58	3	A	1 0	F	E519/30		H13						
MSLC-RLY-CR/5A2					A500 RK225052-CP		B T	283011	F				24
MSL PRESSURE INTERLK (60 SEC TD)						R 527	H.4/4.2	R52				E-IR-73+	
58	3	A	1 0	F	E519/30		H13						
MSLC-RLY-CR/5B1					A500 RK223070-EP		A T	283011	F N	21 00	02		24
MSL PRESSURE INTERLK (60 SEC TD)						R 527	H.4/4.2	R52				E-IR-73+	
58	3	A	1 0	F	E519/30		G13						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	TM	HL / ROOM	TEST	ANL	FQ	C / ACCURACY	FREQ	ENV. / AGING	(E) PARAMETERS / DBE	C	HOURS / COMPOSITE EPN
MSLC-RLY-CR/5B2			A500	RK225052-CP			N T	283011	F										24
MSL PRESSURE INTERLK (60 SEC TD)					R	527	H.4/4.2	R52								E-IR-73+			
58	3	A	1 0	F	E519/30		G13												
MSLC-RLY-CR/5C1			A500	RK223070-EP			A T	283015	F	N	21	00			02				24
MSL PRESSURE INTERLK (60 SEC TD)					R	527	H.4/4.2	R52								E-IR-73+			
58	3	A	1 0	F	E519/30		D13												
MSLC-RLY-CR/5C2			A500	RK225052-CP			N T	283011	F										24
MSL PRESSURE INTERLK (60 SEC TD)					R	528	H.4/4.2									E-IR-73+			
58	3	A	1 0	F	E519/30		D13												
MSLC-RLY-CR/5D1			A500	RK223070-EP			A T	283015	F	N	21	00			02				24
MSL PRESSURE INTERLK (60 SEC TD)					R	527	H.4/4.2									E-IR-73+			
58	3	A	1 0	F	E519/30		C13												
MSLC-RLY-CR/5D2			A500	RK225052-CP			N T	283011	F										24
MSL PRESSURE INTERLK (60 SEC TD)					R	528	H.4/4.2									E-IR-73+			
58	3	A	1 0	F	E519/30		C13												
MSLC-RLY-CR/6A1			A500	RK223070-EP			A T	283015	F	N	21	00			02				24
MSL PRESSURE INTERLK (150 SEC TD)					R	528	H.4/4.2	R52								E-IR-73+			
58	3	A	1 0	F	E519/30		G13												
MSLC-RLY-CR/6A2			A500	RK225052-CP			N T	283011	F										24
MSL PRESSURE INTERLK (150 SEC TD)					R	528	H.4/4.2	R52								E-IR-73+			
58	3	A	1 0	F	E519/30		G13												
MSLC-RLY-CR/6B1			A500	RK223067-EP			A T	283015	F	N	21	00			02				24
MSL PRESSURE INTERLK (150 SEC TD)					R	528	H.4/4.2	R52								E-IR-73+			
58	3	A	1 0	F	E519/30		F13												
MSLC-RLY-CR/6B2			A500	RK225052-CP			N T	283011	F										24
MSL PRESSURE INTERLK (150 SEC TD)					R	528	H.4/4.2	R52								E-IR-73+			
58	3	A	1 0	F	E519/30		F13												
MSLC-RLY-CR/6C1			A500	RK223070-EP			A T	283015	F	N	21	00			02				24
MSL PRESSURE INTERLK (150 SEC TD)					R	527	H.4/4.2									E-IR-73+			
58	3	A	1 0	F	E519/30		C13												
MSLC-RLY-CR/6C2			A500	RK225052-CP			N T	283011	F										24
MSL PRESSURE INTERLK (150 SEC TD)					R	528	H.4/4.2									E-IR-73+			
58	3	A	1 0	F	E519/30		C13												
MSLC-RLY-CR/6D1			A500	RK223070-EP			A T	283015	F	N	21	00			02				24
MSL PRESSURE INTERLK (150 SEC TD)					R	527	H.4/4.2									E-IR-73+			
58	3	A	1 0	F	E519/30		B13												
MSLC-RLY-CR/6D2			A500	RK225052-CP			N T	283011	F										24
MSL PRESSURE INTERLK (150 SEC TD)					R	528	H.4/4.2									E-IR-73+			
58	3	A	1 0	F	E519/30		B13												

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST / ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / DBE C / COMPOSITE EPN	HOURS
MSLC-RLY-CR/8			A500		RK223067-EP			A T	283015	F N	21 00	02		24
CONTROL SWITCH INTERLK							R 528	H.4/4.2	R52				E-IR-73+	
58	3	A	1 0	F		E519/30		K13						
MSLC-RLY-CR/9			A500		RK223067-EP			A T	283015	F N	21 00	02		24
CONTROL SWITCH INTERLK							R 528	H.4/4.2	R52				E-IR-73+	
58	3	A	1 0	F		E519/30		F13						
PI-SV-250			T020		79TT-001			B A	324002					4320
							R 537	M.8/6.3						
220	2	A	1 0	B1		M543		F13						
PI-SV-251			T020		79TT-001			B A	324002					4320
							R 537	M.8/6.3						
220	2	A	1 0	B1		M543		F13						
PI-SV-253			T020		1021010-1-B-1-S			B A	324008					4320
							R 536	J.0/4.1						
220	2	A	1 0	B1		M543		F13						
PI-SV-256			T020		79TT-001			B A	324002					4320
							R 536	J.5/4.8						
220	2	A	1 0	B1		M543		F07						
PI-SV-257			T020		79TT-001			B A	324002					4320
							R 536	J.5/4.8						
220	2	A	1 0	B1		M543		F07						
PI-SV-259			T020		1021010-1-B-1-S			B A	324008					4320
							R 536	K15						
220	2	A	1 0	B1		M543		F07						
PI-SV-262			T020		79TT-001			B A	324002					4320
							R 536	M.8/6.3						
220	2	A	2 0	I		M543		E13						
PI-SV-263			T020		79TT-001			B A	324002					4320
							R 536	M.8/6.3						
220	2	A	2 0	I		M543		E13						
PI-SV-264			T020		79TT-001			B A	324002					4320
							R 536	M.8/6.3						
220	2	A	2 0	I		M543		E13						
PI-SV-265			T020		1021010-1-B-1-S			B A	324008					4320
							R 479							
220	2	A	2 0	I		M543		E13						
PI-SV-266			T020		79TT-001			B A	324002					4320
							R 536	M.8/6.3						
220	2	A	2 0	I		M543		E07						

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG ELEV DRAWING	STATUS S E / DETAIL A/E ZONE	QID / ZONE	TM HL TEST ANL EQ C / ROOM	FREQ / ACCURACY	***SEISMIC (S) PARAMETERS*** / AGING	*ENV. (E) PARAMETERS* DBE C / COMPOSITE EPN	HQURS
PI-SV-267			T020	79TT-001		R 536 M.8/6.3	B A	324002					4320
220	2	A	2 0	I	M543		E07						
PI-SV-268			T020	1021010-1-B-1-S		R 536	B A	324008					4320
220	2	A	2 0	I	M543		E07						
PI-SV-269			T020	1021010-1-B-1-S		R 536	B A	324008					4320
220	2	A	2 0	I	M543		B06						
RCC-MO-104							P	221001					.017
MOTOR OPERATOR FOR RCC-V-104						R 514 K.0/4.3						RCC-V-104+	
215	2	A	1 0	B1	M525		E11						
RCC-MO-129			R165	FRAME M56			N A	221001					24
MOTOR OPERATOR FOR RCC-V-129						R 548						RCC-V-129+	
41A	2	A	1 0	B2	M525		E5						
RCC-MO-130			R165	FRAME M56			N A	221001					24
MOTOR OPERATOR FOR RCC-V-130						R 548						RCC-V-130+	
41A	2	A	1 0	B2	M525		E6						
RCC-MO-131			R165	FRAME M56			N A	221001					24
MOTOR OPERATOR FOR RCC-V-131						R 548						RCC-V-131+	
41A	2	A	1 0	B2	M525		E6						
RCC-MO-21			L200	SMB-0-15/M56			A A	221001	Y 14 00		35		.017
1HP 2.8A MOTOR OPERATOR RCC-V-21						R 515 K.7/4.1		R42	R312			RCC-V-21+	
41A	2	A	1 0	B1	M525		D10						
RCC-MO-40			L200	SMB-0-15/M56			A P	221001	Y 14 00		35		.017
0.7HP 2.3A MOTOR OPERATOR RCC-V-40						C 517 78 D AZ		R47				RCC-V-40+	
41A	2	A	1 0	B1	M525		D11						
RCC-MO-5			L200	SMB-0-15/M56			A A	221001	Y 14 00		35		.017
1HP 2.8A MOTOR OPERATOR RCC-V-5						R 515 K.8/4.1		R42	R312			RCC-V-5+	
41A	2	A	1 0	B1	M525		E10						
RCIC-DPIS-13A			B080	288A			A A	086001	N 14 00		33+		24
RCIC STM SUPPLY HI FLOW H22-P017						R 471 L.0/8.0		R33	R206			E-IR-P017+	
02E51	2	A	1 1	B1,F	M519		G7						
RCIC-DPIS-13B			B080	288A			A A	086001	N 14 00		33+		24
RCIC STM SUPPLY HI FLOW H22-P029						R 471 K9/3.9		R32	R206			E-IR-P029+	
02E51	2	A	1 1	B1,F	M519		F7						
RCIC-DPIS-7A			B080	288A			A A	086001	N 14 00		33+		24
RCIC STM SUPPLY HI FLOW H22-P017						R 471 L.0/8.0		R33	R206			E-IR-P017+	
02E51	2	A	1 1	B1,F	M519		G7						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG DRAWING	ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TM / HL ROOM	***SEISMIC (S) PARAMETERS*** TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
RCIC-DPIS-7B			B080	288A					A A	086001	N	14 00	33+		24
RCIC STM SUPPLY HI FLOW H22-P029						R	471	K9/3.9		R32	R206			E-IR-P029+	
02E51	2	A	1 1	B1,F	M519			F7							
RCIC-LMS-65			N007	SAI133					R	200004					24
LIMIT SWITCH RCIC-V-65						R	568	M.6/5.4						RCIC-V-65	
69	3	A	2 1	B1,C	M519			H6							
RCIC-LMS-66									D		Y				24
LIMIT SWITCH RCIC-V-66						C	606	150 D AZ						RCIC-V-66+	
	3	A	2 1	B1,C	M519			J4							
RCIC-MO-13			L200	SMB-0-40/D202G					A A	221001	N	14 00	35		4320
2.9HP MOTOR OPERATOR RCIC-V-13						R	552	5.5/M.6		R63	R511			RCIC-V-13+	
41A	2	A	1 1	B1	M519			H7							
RCIC-MO-19			L200	SMB-000-5/P56					R R	221001	N	14 00	35		4320
2.0HP MOTOR OPERATOR RCIC-V-19						R	467	J.4/7.7		R21	R116			RCIC-V-19+	
215	2	A	1 1	B1	M519			E7							
RCIC-MO-31			L200	SMB-00-15/R56					A A	221001	Y	14 00	35		4320
1HP 9.6A MOTOR OPERATOR RCIC-V-31						R	450	H.8/7.0		R21	R112			RCIC-V-31+	
41A	2	A	1 1	B1	M519			D7							
RCIC-MO-63			L200	SMB-2-60/D215R2					A A	221001	Y	14 00	35		24
7HP 10.7A MOTOR OPER. RCIC-V-63						C	555	131 D AZ		R19	R67			RCIC-V-63+	
41A	2	A	2 1	B1	M519			H5							
RCIC-MO-64			L200	SMB-2-80/DS2248					A A	221001	Y	14 00	35		24
5.8HP 20A MOTOR OPER. RCIC-V-64						R	556	4.6/L.9		R63	R510			RCIC-V-64+	
41A	2	A	2 1	B1	M519			G6							
RCIC-MO-68			L200	SMB-015/DTS6F					A A	221001	N	14 00	35		4320
1.08HP MOTOR OPERATOR RCIC-V-68						C	474	J.1/7.5		C34				RCIC-V-68+	
41A	2	A	1 1	B1	M519			E7							
RCIC-MO-69			L200	SMB-000					C A	221001					4320
2.0HP MOTOR OPERATOR RCIC-V-69						R	466	H6/6.6		R21	R112			RCIC-V-69+	
215	2	A	1 1	B1	M519			E7							
RCIC-MO-76			L200	SMB-000-5					B R	221001	Y				24
.33HP/1.9-.95A M O FOR RCIC-V-76						C	556	120 DEG		R67				RCIC-V-76+	
215	2	A	2 1	B1	M519			H6							
RCIC-MO-8			L200	SMB-00-7-5/D56C					A A	221001	N	14 00	35		4320
.54HP/5.5A MOTOR OPER FOR RCIC-V-8						R	515	J.0/5.0		R42	R308			RCIC-V-8+	
41A	2	A	1 1	B1	M519			F6							
RCIC-MO-80			L200	SMB-000-5					R A	221001					4320
MOTOR OPER FOR RCIC-V-110						C	474	J.2/7.2		C34				RCIC-V-110+	
215	2	A	1 1	B1	M519			E7							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID	ZONE	TM	HL	ROOM	TEST	ANL	FO	C	ACCURACY	FREQ	AGING	DBE	C	HOURS	COMPOSITE EPN
RCIC-MO-86					L200	SMB-000-5		R	A	221001														
MOTOR OPER FOR RCIC-V-113							C 474 J.2/7.2				C34													RCIC-V-113+
215	2	A	1	1	B1	M519	E7																4320	
RCIC-PS-22A					B069	PIH-M85SS-V		A	B	256005		N	14			00			33+					
STM LINE PRESSURE H22-P017							R 471 L.0/8.0				R33		R206											E-IR-P017+
02E31	2	A	1	1	B1.F	M519	G8																	
RCIC-PS-22B					B069	PIH-M05SS-Y		A	B	256005		N	14			00			33+					
PENETRATION MONITORING					H22-P029		R 471 K.9/3.9				R32		R206											E-IR-P029+
02E31	2	A	1	1	B1.F	M519	F8																	
RCIC-PS-22C					P069	PIH-M85SS-V		A	B	256005		N	14			00			33+					
STM LINE PRESSURE H22-P017							R 471 L.0/8.0				R33		R206											E-IR-P017+
02E31	2	A	1	1	B1.F	M519	G8																	
RCIC-PS-22D					B069	PIH-M05SS-V		A	B	256005		N	14			00			33+					
PENETRATION MONITORING					H22-P029		R 471 K.9/3.9				R32		R206											E-IR-P029+
02E31	2	A	1	1	B1.F	M519	F8																	
RCIC-SPV-65					A499	WJHT831654		A	B	315004														
REACTOR HEAD SPRAY IR -67-							R 556 5.8/M.8				R63												4320	E-IR-67+
58	2	A	2	1	B1	M519	H6																	
RCIC-SPV-66					A499	WJHT831654		A	B	315004	F													
RCIC TO REACTOR ISOLATION VALVE IR							R 528 J.0/6.9				R63												4320	E-IR-71+
58	2	A	2	1	B1	M519	H6																	
REA-DPT-1A1					R369	P.O. 40493		A	B	091001		N	14			00			50				4320	
SECONDARY CONTAINMNTPRESS.CONTROL							R 576 H.3/8.2				R72		R608											
59	2	A	1	3	F	M545	E2																	
REA-DPT-1A2					R369	IDP3DP22T003PB		B	B	091001	F	N	14			00			50				4320	
SECONDARY CONTAINMNTPRESS.CONTROL							R 576 M.7/3.5				R73		R604											
59	2	A	1	3	F	M545	E1																	
REA-DPT-1A3					R369	PN163C1561P342203		B	B	091001	F	N	14			00			50				4320	
SECONDARY CONTAINMNTPRESS.CONTROL							R 576 N.8/3.9				R73		R604											
59	2	A	1	3	F	M545	E1																	
REA-DPT-1A4					R369	1DP3822T0003PB		B	B	091001		N	14			00			50				4320	
SECONDARY CONTAINMNTPRESS.CONTROL							R 576 H.8/9.4				R71		R507											
59	2	A	1	3	F	M545	E1																	
REA-DPT-1B1					R369	IDP 3P22T0003PB		B	B	091001		N	14			00			50				4320	
SECONDARY CONTAINMNTPRESS.CONTROL							R 576 H.3/5.3				R71		R504											
59	2	A	1	3	F	M545	D2																	
REA-DPT-1B2					R369	163P1561P342203		B	B	091001	F	N	14			00			50				4320	
SECONDARY CONTAINMNTPRESS.CONTROL							R 576 N.7/3.5				R73		R605											
59	2	A	1	3	F	M545	D2																	

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	TM	HL TEST ANL FO C / ROOM	***SEISMIC (S) PARAMETERS*** ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
REA-DPT-1B3					R369	IDP3D22T003PB	B B	091001	W	N 14 00		50			4320
SECONDARY CONTAINMNTPRESS.CONTROL					R 576	H.8/7.6		R73		R604					
59	2	A	1 3	F	M545		D1								
REA-DPT-1B4					R369	115	B B	091001		N 14 00		50			4320
SECONDARY CONTAINMNTPRESS.CONTROL					R 526	N.1/9.4		R73		R605					
59	2	A	1 3	F	M545		D1								
REA-LHS-1					N007	7408100	A	200015							4320
LIMIT SWITCH ON REA-V-1					R 593	H.5/6.0		R73					REA-V-1+		
68	3	A	1 3	B2.F	M545		J3								
REA-LHS-2					N007	74080100	A	200015							4320
LIMIT SWITCH ON REA-V-2					R 593	H.5/6.2							REA-V-2+		
68	3	A	1 3	B2.F	M545		J3								
REA-RE-19					K020	952158	D	277006							4320
RE FOR ELEVATED DISCH BETA SCINT					R 606	H.4/6.8		R73					REA-SR-27+		
92B	2	A	4 3	F	M544		F1								
REA-SPV-1					A499	WJHT8316E35	A B	315004							4320
REACTOR BLDG. NORMALEXHAUST ISOLAT					R 528	J.0/6.9		R73		R604			E-IR-71+		
58	2	A	1 3	B2.F	M545		K3								
REA-SPV-2					A499	WJHT8318E32	A M	315004							4320
REACTOR BLDG. NORMALEXHAUST ISOLAT					R 554	H.7/8.2		R73		R604			E-IR-68+		
58	2	A	1 3	B2.F	M545		K3								
RFW-MO-65A					L200	SMB-4-250/326UR4	A A	221001		Y 14 00		29			4320
32.4HP MOTOR OPERATOR RFW-V-65A					R 505	H4/5.7		R41		R310			RFW-V-65A+		
41A	2	A	1 3	B1	M529		G13								
RFW-MO-65B					L200	SMB-4-250/326UR4	A A	221001		Y 14 00		29			4320
32.4HP MOTOR OPERATOR RFW-V-65B					R 505	H4/6.3		R41		R310			RFW-V-65B+		
41A	2	A	1 3	B1	M529		G4								
RFW-SPV-32A1					A499	WJHT831654	A B	315004		N 21 00		33+			4320
SOLENOID PILOT FOR RFW-V-32A IR-62					R 471	H.4/6.8		R31		R206			E-IR-62+		
58	2	A	1 3	B1	M529		G12								
RFW-SPV-32A2					A499	WJHT831654	A B	315004		N 21 00		33+			4320
SOLENOID PILOT FOR RFW-V-32A IR-62					R 471	H.4/6.8		R31		R206			E-IR-62+		
58	2	A	1 3	B1	M529		G12								
RFW-SPV-32B1					A499	WJHT831654	A B	315004		N 21 00		33+			4320
SOLENOID PILOT FOR RFW-V-32B IR-62					R 471	H.4/6.8		R31		R206			E-IR-62+		
58	2	A	1 3	B1	M529		G5								
RFW-SPV-32B2					A499	WJHT831654	A B	315004		N 21 00		33+			4320
SOLENOID PILOT FOR RFW-V-32B IR-62					R 471	H.4/6.8		R31		R206			E-IR-62+		
58	2	A	1 3	B1	M529		G5								

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID	ZONE	***SEISMIC (S) PARAMETERS*** TH HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
RHR-CE-1A			B135	BOM 05010794633				B	038001					
CONDUCTIVITY ELEMENT FOR RHR-HX-1A							R 540	J.9/8.5		R61				4320
02	2	A	2 0	G		M521		H13						
RHR-CE-1B			B135	BOM 05010794633				B	038001					
RHR CONDUCTIVITY - -							R 559	M.1/9.0		R63				4320
02	2	A	2 0	G		M521		H4						
RHR-DPIS-12A			B080	MODEL 288				A A	086001		N 14 00	33+		
RHR HIGH FLOW LEAK DETECTION							R 501	J.6/3.6		R42	R305		E-IR-H22/P018+	4320
02E12	2	A	1 0	B1,F		M530		G12						
RHR-DPIS-12B			B080	288				A A	086001		N 14 00	33+		
RHR HIGH FLOW LEAK DETECTION							R 501	H8/9.3		R41	R305		E-IR-H22/P021+	4320
02E12	2	A	1 0	B1,F		M521		F7						
RHR-DPIS-29A			B080	288				A A	086001		N 14 00	33+		
RHR DIF PRESS LOOP A RET TO PRV							R 501	J.6/3.6		R42	R312		E-IR-P018+	4320
02E12	2	A	2 0	G		M521		H10						
RHR-DPIS-29B			B080	288				A A	086001		N 14 00	33+		
RHR DIF PRESS LOOP B RET TO PRV							R 501	H.8/7.3		R41	R305		E-IR-P021+	4320
02E12	2	A	2 0	G		M521		H8						
RHR-DPIS-9A			B080	288A				B A	086001		N 14 00	33		
RHR DIF PRESS LOOP A RET TO PRV							R 527	H.9/5.0		R52	R408			4320
02E12	2	A	1 0	C,E		M521		H11						
RHR-DPIS-9B			B080	288A				B A	086001		N 14 00	33		
RHR DIF PRESS LOOP B RET TO PRV							R 526	H.8/6.1		R51	R408			4320
02E12	2	A	1 0	C,E		M521		H7						
RHR-DPIS-9C			B080	288A				B A	086001		N 14 00	33		
RHR DIF PRESS LOOP A RETURN TO PRV							R 526	H.9/6.8		R51	R408			4320
02E12	2	A	1 0	C,E		M521		F11						
RHR-FIS-10A			B080	288				A	140001					
SHUTDOWN COOLING LOOP "A"FLOW							R 505	J.6/3.6		R42			E-IR-P018+	4320
02E12	3	A	1 3	I		M521		H12						
RHR-FIS-10B			B080	288				A	140001					
SHUTDOWN COOLING LOOP "B" FLOW							R 503	H.9/9.3		R43			E-IR-P021+	4320
02E12	3	A	1 3	I		M521		H4						
RHR-FIS-10C			B080	288				A	140001					
LOOP "C" FLOW TO VESSEL							R 505	H.7/9.3		R42			E-IR-P021+	4320
02E12	3	A	1 0	I		M521		C7						
RHR-FT-13			G080	111BMAA4WCF				A	156003	W				
FLOW TRANSMIT TO REACTOR HD SPRAY(RH 11)							R 552	H.6/5.3		R63			E-IR-P021+	4320
02	3	A	2 3	G		M521		H6						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	TH / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	***SEISMIC (S) PARAMETERS*** / COMPOSITE EPN	*ENV. (E) PARAMETERS* / AGING DBE C / HOURS
RHR-FT-15A					R369	1151	A P	156005	N	14 00	33+		4320
FLOW TRANSMIT TO COOLING LOOP A						R 503	J.6/3.6	R42				E-IR-P018+	
02	3	A	1 3	I	M521		H13						
RHR-FT-15B					B042	555	P P	156003					4320
FLOW TRANSMIT TO COOLING LOOP B						R 503	H8/9.3	R41				E-IR-P021+	
02	3	A	1 3	I	M521		H5						
RHR-FT-15C					B042	555	P P	156003					4320
FLOW TRANSMITTER TO LOOP C						R 501	H.9/9.3	R41				E-IR-P021+	
02	3	A	1 0	I	M521		D7						
RHR-LMS-111A					N007	02400X	P	200005	Y				4320
LIMIT SWITCH ON RHR-V-111A						C 563	20 D AZ	R19				RHR-V-111A+	
02E12	3	A	2 0	C,E	M521		G9						
RHR-LMS-111B					N007	02400X	P	200005	Y				4320
LIMIT SWITCH FOR RHR-V-111B						C 563	158 D AZ	R19				RHR-V-111B+	
	3	A	2 0	C,E	M521		G8						
RHR-LMS-111C					N007	1703100	P	200005	Y				4320
LIMIT SWITCH FOR RHR-V-111C						C 563	325 D AZ	R20				RHR-V-111C+	
	3	A	2 0	C,E	M521		G9						
RHR-LMS-112A					N007	1703100	P	200005	Y				4320
LIMIT SWITCH FOR RHR-V-112A						C 512	79 D AZ	R21				RHR-V-112A+	
	3	A	2 3	C,E	M521		G9						
RHR-LMS-112B					N007	1703100	P	200005	Y				4320
LIMIT SWITCH FOR RHR-V-112B						C 512	265 D AZ	R20				RHR-V-112B+	
	3	A	2 3	C,E	M521		G8						
RHR-LMS-113					N007	1703100	P	200005	Y				4320
LIMIT SWITCH FOR RHR-V-113						C 512	165 D AZ	R22				RHR-V-113+	
	3	A	2 3	C,E	M521		F9						
RHR-LMS-41A					N007	1703100	P	200005	Y				4320
LIMIT SWITCH FOR RHR-V-41A						C 563	20 D AZ	R19				RHR-V-41A+	
	3	A	2 0	C,E	M521		G8						
RHR-LMS-41B					N007	1703100	P	200005	Y				4320
LIMIT SWITCH FOR RHR-V-41B						C 563	58 D AZ	R19				RHR-V-41B+	
	3	A	2 0	C,E	M521		G10						
RHR-LMS-41C					N007	1703100	P	200005	Y				4320
LIMIT SWITCH FOR RHR-V-41C						C 563	360 D AZ	R20				RHR-V-41C+	
	3	A	2 0	C,E	M521		G10						
RHR-LMS-50A					N007	1703100	P	200005	Y				4320
LIMIT SWITCH FOR RHR-V-50A						C 512	100 D AZ	R25				RHR-V-50A+	
	3	A	2 3	C,E	M521		G10						

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID	ZONE	TM	HL TEST	ANL FQ C	ROOM	ACCURACY	FREQ	***SEISMIC (S) PARAMETERS*** / COMPOSITE EPN	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS
RHR-LMS-50B			N007	EA740					P	200015					Y							
LIMIT SWITCH FOR RHR-V-50B							C 508 270 D AZ R27											RHR-V-50B+				4320
	3	A	2 3	C,F		M521		G8														
RHR-LMS-V/89			N007	1703100					B	200005												
LIMIT SWITCH FOR RHR-V-89							R 553 N.2/8.9											RHR-V-89+				4320
	3	A	2 0	C,E		M521		J6														
RHR-LS-10A			M040	751-SPX-M14					A	207011												
RHR DRAIN POT LOOP B							R 474 M.2/7.9				R33											24
215	2	A	2 1	C		M521		D4														
RHR-LS-10B			M040	751-SPX-M14					A	207011												
RHR DRAIN POT LOOP B							R 474 M.0/7.8				R33											24
215	2	A	2 1	C		M521		D4														
RHR-LS-10C			M040	751-SPX-M14					A	207011												
RHR DRAIN POT LOOP B							R 474 M.2/7.9				R33											24
215	2	A	2 1	C		M521		D4														
RHR-LS-10D			M040	751-SPX-M14					A	207011												
RHR DRAIN POT LOOP B							R 474 M.2/7.8				R33											24
215	2	A	2 1	C		M521		D4														
RHR-LS-11A			M040	751-SPX-M14					A	207011												
RHR DRAIN POT LOOP A							R 474 K.0/8.0				R31											24
215	2	A	2 1	C		M521		D14														
RHR-LS-11B			M040	751-SPX-M14					A	207011												
RHR DRAIN POT LOOP A							R 474 K.0/8.0				R31											24
215	2	A	2 1	C		M521		D14														
RHR-LS-11C			M040	751-SPX-M14					A	207011												
RHR DRAIN POT LOOP A							R 474 K.0/8.0				R31											24
215	2	A	2 1	C		M521		D13														
RHR-LS-11D			M040	751-SPX-M14					A	207011												
RHR DRAIN POT LOOP A							R 474 K.0/8.0				R31											24
215	2	A	2 1	C		M521		D13														
RHR-LT-8A			B080	352/358					T	M 209001			N	21	00		00					
LEVEL TRANSMITTER HX-A							R 548 J.0/8.6				R61											24
317	2	A	2 1	C,E		M521		H14														
RHR-LT-8B			B080	352/358					T	M 209001			N	21	00		00					
LEVEL TRANSMITTER HX-B							R 548				R63							RHR-HX-1B+				24
317	2	A	2 1	C,E		M521		H4														
RHR-M-2A			G080	5K6339XC122A/P236					B	A 213013			Y		01							
800HP/105A MOTOR FOR RHR-P-2A							R 422 K/8.6				R11		R6					RHR-P-2A+				4320
02E12	2	A	1 3	C,E		M521		B12														

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG	ELEV	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM / ROOM	HL	TEST	ANL	FO	C	FREQ / ACCURACY	ENV. AGING / COMPOSITE EPN	(E) PARAMETERS DBE	C	HOURS
RHR-M-2B					G080	5K6339XC122A/P236			B	A		213013	Y			01							4320
800HP/105A MOTOR FOR RHR-P-2B							R	429	L.8/8.5			R13	R7							RHR-P-2B+			
02E12	2	A	1	3	C,E	M521			B6														
RHR-M-2C					G082	SK6339XC122A			B	A		213013	Y			01							4320
800HP/105A MOTOR FOR RHR-P-2C							R	429	H.7/4.6			R12	R14							RHR-P-2C+			
02E12	2	A	1	0	C,E	M521			B9														
RHR-M-3					W120	75040786			D	B		213016											4320
15HP/18.5A MOTOR FOR RHR-P-3							R	429	H.4/4.8			R12	R14							RHR-P-3+			
35A	2	A	2	3	C,E	M521			B9														
RHR-MO-11A					L200	SMB-000-5/K48			A	B		221001	Y	14	00			35					4320
.33HP .95A MOTOR OPER. RHR-V-11A							R	475	K.2/8.1			R31	R213							RHR-V-11A+			
41A	2	A	1	1	B1,C,E	M521			F12														
RHR-MO-11B					L200	SMB-000-5/K48			A	B		221001	Y	14	00			35					4320
.333HP MOTOR OPERATOR RHR-V-11B							R	475	L.8/8.1			R33	R214							RHR-V-11B+			
41A	2	A	1	1	B1,C,E	M521			E7														
RHR-MO-124A					L200	SMC-04			S	A		221001	N	14	00			33					24
1HP MOTOR OPERATOR RHR-V-124A							R	473	K.3/8.1			R31	R213							RHR-V-124A+			
215	2	A	1	1	C	M521			D14														
RHR-MO-124B					L200	SMC-04			S	A		221001	N	14	00			33					24
5.3HP/16.8-8.4A MO FOR RHR-V-124B							R	473	K.9/8.1			R31	R213							RHR-V-124B+			
215	2	A	1	1	C	M521			D14														
RHR-MO-125A					L200	SMC-04/42			S	A		221001											24
.33HP MOTOR OPERATOR RHR-V-125A							R	473	L.5/8.0			R33	R214							RHR-V-125A+			
215	2	A	1	1	C	M521			D4														
RHR-MO-125B					L200	SMC-04/42			S	A		221001	N	14	00			33					24
.33 HP MOTOR OPERATOR RHR-V-125B							R	473	L.4/8.0			R33	R214							RHR-V-125B+			
215	2	A	1	1	C	M521			D4														
RHR-MO-134A					L200	SMC-04-5				A		221001											4320
MOTOR OPERATOR RHR-V-134A							R	548	9.0/K.1			R61	R504							RHR-V-134A+			
215	2.	A	1	0	D	M521			G15														
RHR-MO-134B					L200	SMC-04-5				A		221001											4320
MOTOR OPERATOR RHR-V-134B							R	548	L5/9.2			R63	R506							RHR-V-134B+			
215	2	A	1	0	D	M521			F2														
RHR-MO-16A					L200	SMB-2-80/C215Y			R	A		221001	N	14	00			33					24
10.6HP 13.8A MOTOR OPER. RHR-V-16A							R	556	4.4/L.0			R63	R510							RHR-V-16A+			
41A	2	A	1	0	B1,C,E	M521			H11														
RHR-MO-16B					L200	SMB-2-80/C215Y			R	A		221001	N	14	00			33					24
10.6HP 13.8A MOTOR OPER. RHR-V-16B							R	516	K.7/8.1			R41	R305							RHR-V-16B+			
41A	2	A	1	0	B1,C,E	M521			F6														

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV	STATUS S E / DETAIL A/E ZONE	QID	ZONE	TM	HL	TEST	ANL	FQ C	ACCURACY	FREQ	ENV. (E) PARAMETERS AGING	DBE	C	HOURS	COMPOSITE EPN
RHR-MO-17A			L200		SMB-2-80/C215Y			S A	221001		N	14	00				33				24	
10.6HP 13.8A MOTOR OPER. RHR-V-17A							R 556	4.4/L.0		R63	R510											RHR-V-17A+
41A	2	A	1 0	B1,C,E		M521		H10														
RHR-MO-17B			L200		SMB-2-80/C215Y			S A	221001		N	14	00				33				24	
10.6HP 13.8A MOTOR OPER. RHR-V-17B							R 516	K.5/8.0		R41	R310											RHR-V-17B+
41A	2	A	1 0	B1,C,E		M521		F6														
RHR-MO-21			L200		SMB-3-80/213R3			A A	221001		Y	14	00				35				4320	
5.3HP 8.4A MOTOR OPER. RHR-V-21							R 455	5.2/H.4		R22	R113											RHR-V-21+
41B	2	A	1 0	B1,C,E		M521		E11														
RHR-MO-23			L200		SMB-0-15/056F			A A	221001		N	14	00				35				4320	
1.08HP 4.7A MOTOR OPER. RHR-V-23							R 552	5.4/H.6		R63	R511											RHR-V-23+
41B	2	A	1 3	B1,E		M521		J7														
RHR-MO-24A			L200		SMB-3-80/213R3			A A	221001		Y	14	00				35				4320	
5.3HP 8.3A MOTOR OPER. RHR-V-24A							R 476	K.0/8.1		R31	R213											RHR-V-24A+
41B	2	A	1 3	B1,C,E		M521		E12														
RHR-MO-24B			L200		SMB-3-80/213R3			A A	221001		Y	14	00				35				4320	
5.3HP MOTOR OPERATOR RHR-V-24B							R 476	M.2/8.1		R33	R214											RHR-V-24B+
41B	2	A	1 3	B1,C,E		M521		E6														
RHR-MO-27A			L200		SMB-00-7.5/L56			A A	221001		Y	14	00				35				24	
0.5HP MOTOR OPERATOR RHR-V-27A							R 495	K.3/4.1		R32	R206											RHR-V-27A+
41A	2	A	1 0	B1,C,E		M521		E11														
RHR-MO-27B			L200		SMB-00-7.5/L56			A A	221001		Y	14	00								24	
0.5HP MOTOR OPERATOR RHR-V-27B							R 495	K.3/4.1		R33	R206											RHR-V-27B+
41A	2	A	1 0	B1,C,E		M521		E7														
RHR-MO-3A			L200		SMB-1-40/T56			A A	221001		Y	14	00				33				4320	
2.6HP MOTOR OPERATOR RHR-V-3A							R 562	8.5/J.9		R61	R507											RHR-V-3A+
41A	2	A	2 3	C,E		M521		J13														
RHR-MO-3B			L200		SMB-1-40/T56			A A	221001		N	14	00				33				4320	
2.6HP MOTOR OPERATOR RHR-V-3B							R 560	8.4/H.2		R63	R505											RHR-V-3B+
41A	2	A	2 3	C,E		M521		J4														
RHR-MO-40			L200		SMB-000-2/D56AA			A A	221001		N	14	00				35				4320	
.3HP 1.9A MOTOR OPER. RHR-V-40							R 553	8.4/H.6		R63	R505											RHR-V-40+
41B	2	A	2 0	B2		M521		G4														
RHR-MO-42A			L200		SMB-3-150/256VR3			A A	221001		Y	14	00				35				4320	
19.5HP/25.2A MTR OP FOR RHR-V-42A							R 528	J.0/6.0		R52	R408											RHR-V-42A+
41A	2	A	1 0	B1,C,E		M521		G11														
RHR-MO-42B			L200		SMB-3-150/256VR3			A A	221001	P	Y	14	00				35				4320	
19.5HP 25.2A MOTOR OPER. RHR-V-42B							R 528	N.0/5.8		R53	R405											RHR-V-42B+
41A	2	A	1 0	B1,C,E		M521		G7														

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / DETAIL / A/E ZONE	STATUS S E	QID	ZONE	TM	HL TEST ROOM	ANL FO C ACCURACY	***SEISMIC (S) PARAMETERS*** FREQ	*ENV. (E) PARAMETERS* AGING DBE C COMPOSITE EPN	HOURS
RHR-MO-42C			L200	SMB-3-150/256VR3				A A	221001		Y	14	00	35		4320
19.5HP 25.2A MOTOR OPER. RHR-V-42C						R	528 J.0/6.0			R51		R408			RHR-V-42C+	
41A	2	A	1 0	B1,C,E	M521		G10									
RHR-MO-47A			L200	SMB-1-40/T56				A A	221001		N	14	00	33		4320
2.6HP/11.5-5.75A MO FOR RHR-V-47A.						R	582 M.3/8.4			R71		R606			RHR-V-47A+	
41A	2	A	2 3	C,E	M521		J14									
RHR-MO-47B			L200	SMB-1-40/TS56				R A	221001		N	14	00	33		4320
2.6HP/11.5-5.75A MO FOR RHR-V-47B						R	526 N.1/9.4			R73		R605			RHR-V-47B+	
41A	2	A	2 3	C,E	M521		J3									
RHR-MO-48A			L200	SMB-3-80/213R3				A A	221001		N	14	00	35		4320
5.3HP 8.4A MOTOR OPER. RHR-V-48A						R	555 8.6/J.2			R61		R507			RHR-V-48A+	
41B	2	A	1 3	C,E	M521		J13									
RHR-MO-48B			L200	SMB-3-80/213R3				A A	221001		N	14	00	35		4320
5.3HP 8.4A MOTOR OPER. RHR-V-48B						R	555 8.4/N.0			R63		R505			RHR-V-48B+	
41B	2	A	1 3	C,E	M521		J5									
RHR-MO-49			L200	SMB-000-5/K48				A A	221001		N	14	00	35		4320
0.333HP MOTOR OPERATOR RHR-V-49						R	553 8.4/M.7			R63		R505			RHR-V-49+	
41A	2	A	2 0	B2	M521		G4									
RHR-MO-4A			L120	379507W				A A	221001		Y	14	00	35		4320
2.66HP MOTOR OPERATOR RHR-V-4A						R	460 K.0/8.3			R23		R115			RHR-V-4A+	
41A	2	A	1 0	B1,C,E	M521		E11									
RHR-MO-4B			L200	SMB-0-40/T56				A A	221001		N	14	00	35		4320
2.66HP MOTOR OPERATOR RHR-V-4B						R	450 L2/8.3			R23		R115			RHR-V-4B+	
41A	2	A	1 0	B1,C,E	M521		D6									
RHR-MO-4C			L200	SMB-0-40/T56				A B	221001		Y	14	00	35		4320
2.66HP MOTOR OPERATOR RHR-V-4C						R	450 J.7/4.3			R22		R113			RHR-V-4C+	
41A	2	A	1 0	B1,C,E	M521		D11									
RHR-MO-52A			L200	SMB-00-10/L56				A A	221001		N	14	00	35		24
5.2HP MOTOR OPERATOR RHR-V-52A						R	578 H.6/9.2			R71		R608			RHR-V-52A+	
42A	2	A	2 1	C,E	M521		K12									
RHR-MO-52B			L200	SMB-00-10/L56				A A	221001		N	14	00	35		24
5.2HP MOTOR OPERATOR RHR-V-52B						R	578 N.1/8.6			R73		R605			RHR-V-52B+	
42A	2	A	2 1	C,E	M521		K5									
RHR-MO-53A			L200	SMB-2-60/215RZ				A A	221001		Y	14	00	35		4320
8.2HP MOTOR OPERATOR RHR-V-53A						R	515 K.9/4.1			R42		R312			RHR-V-53A+	
41B	2	A	1 3	C,E,B1	M521		G11									
RHR-MO-53B			L200	SMB-2-60/215RZ				A A	221001		Y	14	00	35		4320
7.9HP 10A MOTOR OPER. RHR-V-53B						R	515 L.2/8.0			R43		R316			RHR-V-53B+	
41B	2	A	1 3	C,E,B1	M521		G7									

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	TM / ROOM	HL	IEST	ANL	EQ C / ACCURACY	FREQ	AGING	DBE	C	HOURS	COMPOSITE EPN
RHR-MO-64A			L120	SMB-000-5/48				B A	221001	N	14	00			35					4320
2.66HP MOTOR OPERATOR RHR-FCV-64A							R 446	K.0/9.3	R21	R116									RHR-FCV-64A+	
215	2	A	1 3	B1,C,E		M521		C12												
RHR-MO-64B			L200	SMB-000-5/48				G A	221001											4320
MOTOR OPERATOR RHR-FCV-64B							R 445	M/9.0	R23	R115									RHR-FCV-64B+	
215	2	A	1 3	B1,C,E		M521		C5												
RHR-MO-64C			L200	SMB-000-5/48				B A	221001	N	14	00			35					4320
MOTOR OPERATOR RHR-FCV-64C							R 446	J.0/5.0	R22	R113									RHR-FCV-64C+	
215	2	A	1 0	B1,C,E		M521		C8												
RHR-MO-68A			L200	SMB-0-40/T56				A A	221001	N	14	00			35					4320
2.6HP 5.75A MOTOR OPER. RHR-V-68A							R 558	9.3/J.1	R61	R507									RHR-V-68A+	
41A	2	A	1 3	C,E,F		M524		H12												
RHR-MO-68B			L200	SMB-0-40/T56				A A	221001	N	14	00			35					4320
2.6HP 5.75A MOTOR OPER. RHR-V-68B							R 555	9.3/H.8	R63	R505									RHR-V-68B+	
41A	2	A	1 3	C,E,F		M524		H10												
RHR-MO-6A			L200	SMB-0-25/R56				A A	221001	N	14	00			35					4320
2.66HP MOTOR OPERATOR RHR-V-6A							R 430	K.8/8.3	R11	R6									RHR-V-6A+	
41A	2	A	1 3	C,E		M521		C12												
RHR-MO-6B			G802	SMB-0-25/R56				A A	221001	N	14	00			35					4320
2.66HP MOTOR OPERATOR RHR-V-6B							R 430	L.8/8.5	R13	R7									RHR-V-6B+	
41A	2	A	1 3	C,E		M521		C6												
RHR-MO-73A			L200	SMC-04-5				A	221001											4320
2.0HP MOTOR OPERATOR RHR-V-73A							R 572	J8/9	R71	R606									RHR-V-73A+	
215	2	A	2 3	G		M521		J14												
RHR-MO-73B			L200	SMC-04-5				A	221001											4320
2.0HP MOTOR OPERATOR RHR-V-73B							R 572		R73										RHR-V-73B+	
215	2	A	2 3	G		M521		J3												
RHR-MO-74A			L200	SMC-04-5				A	221001											4320
2.0HP MOTOR OPERATOR RHR-V-74A							R 572		R71										RHR-V-74A+	
215	2	A	2 3	G		M521		J14												
RHR-MO-74B			L200	SMC-04-5				A	221001											4320
2.6HP MOTOR OPERATOR RHR-V-74B							R 572		R73	R605									RHR-V-74B+	
215	2	A	2 3	G		M521		J3												
RHR-MO-8			L200	SMB-2-80/DS224B				A A	221001	N	14	00			35					4320
5.8HP MOTOR OPERATOR RHR-V-8							R 512	M.9/7.3	R43	R315									RHR-V-8+	
41A	2	A	1 3	B1,C,E		M521		F11												
RHR-MO-87A			L200	SMB-00-10/L56				G A	221001											24
3.89HP MOTOR OPERATOR RHR-V-87A							R 578	J/9.3	R71	R606									RHR-V-87A+	
42A	2	A	2 1	C,E		M521		K13												

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
RHR-MO-87B			L200			SMB-00-10/L56		G A	221001				24
MOTOR OPERATOR RHR-V-87B					R	578	M.8/8.6		R73	R604		RHR-V-87B+	
42A	2	A	2 1	C,E	M521		K4						
RHR-MO-9			L200			SMB-2-60/215R2		R M	221001	Y			4320
10.6HP MOTOR OPERATOR RHR-V-9					C	509	150 D AZ		R23	R47		RHR-V-9+	
41A	2	A	1 3	B1,C,E	M521		F10						
RHR-MO-93			L200			SMB-0-40/T56		G A	221001				4320
MOTOR OPERATOR FOR RHR-V-116					R	552	8.6/N.0		R63	R505		RHR-V-116+	
02G11	2	A	1 0	B2,C,F	M521		J6						
RHR-MO-94			L200			SMB-0-40/T56		G A	221001				4320
MOTOR OPERATOR FOR RHR-V-115					R	552	9.0/N.0		R63	R505		RHR-V-115+	
02G11	2	A	1 0	B2,C,F	M521		J6						
RHR-MO-99A			L200			SMB-000-5/P48		G A	221001	P Y			4320
MOTOR OPERATOR FOR RHR-V-123A					C	514	95 D AZ		R28	C47		RHR-V-123A	
215	2	A	2 3	B1,C,E	M521		G10						
RHR-MO-99B			L200			SMB-000-5/P48		G A	221001	P Y			.017
MOTOR OPERATOR FOR RHR-V-123B					C	510	270D AZ		R27	C44		RHR-V-123B	
215	2	A	1 0	B1	M521		G8						
RHR-PIS-22A			R290					A					4320
PRESSURE INDICATING SWITCH					R	503	J.0/9.4		R42			E-IR-P018+	
02	2	A	2 3	G	M521		B15						
RHR-PIS-22B			I204	0288				A	245002				4320
PRESSURE INDICATING SWITCH					R	505	H.9/9.3		R41			E-IR-P021+	
02	2	A	2 3	G	M521		B3						
RHR-PIS-22C			R290					A					4320
PRESSURE INDICATING SWITCH					R	501	H.8/9.3		R41			E-IR-P021+	
02	2	A	2 0	G	M521		B7						
RHR-PS-16A			S382			5N-AA3-(X10)-STT		N A	256016				24
ADS PERMISSIVE (10-240.PSIG)					R	501	J.6/3.6		R42	R305		E-IR-P018+	
02E12	2	A	1 0	C,E	M521		B13						
RHR-PS-16B			S382			5N.AA3X105TT		A A	256016	N 14 00	33+		24
ADS PERMISSIVE (10-240 PSIG)					R	501	H.8/9.3		R41	R305		E-IR-P021+	
02E12	2	A	1 0	C,E	M521		B5						
RHR-PS-16C			S382			5N-AA3X105TT		A A	256016	N 14 00	33+		24
ADS PERMISSIVE (10-240 PSIG)					R	501	H.8/9.3		R41	R305		E-IR-P021+	
02E12	2	A	1 0	C,E	M521		B7						
RHR-PS-18			S382			SN-AA3-11X7		M	256016				4320
PRESS SWITCH SHUTDOWN COOL SUCT.					R	507	N.1/7.7						
02E12	2	A	2 0	C,E	M521		F12						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	AGING / COMPOSITE EPN	DBE C / HOURS
RHR-PS-19A				S382	5N-AA3-(X10)-STT			A A	256016					24
ADS PERMISSIVE (10-240 PSIG) PUMP						R 505	J.7/3.7		R42				E-IR-H22/P018+	
02	2	A	1 0	C.E	M521		B13							
RHR-PS-19B				S382	5N-AA3-(X10)-STT			A A	256016	F				24
ADS PERMISSIVE (10-240 PSIG) PUMP						R 501	L/13		R41				E-IR-H22/P021+	
02	2	A	1 0	C.E	M521		B4							
RHR-PS-19C				S382	5N-AA3-(X10)-STT			A A	256016	F				24
ADS PERMISSIVE (10-240 PSIG) PUMPC						R 501	L/13		R41				E-IR-H22/P021+	
02	2	A	1 0	C.E	M521		B8							
RHR-PT-26A				B040	556			B P	259012					24
PRESSURE TRANSMITTER RCIC LOOPA						R 597	J.0/9.0		R42				E-IR-P018+	
02E12	2	A	2 1	C	M521		K14							
RHR-PT-26B				B040	556			B P	259012					24
PRESSURE TRANSMITTER RCIC LOOPB						R 597	N.0/8.3		R41				E-IR-P021+	
02E12	2	A	2 1	C	M521		K4							
RHR-TE-27A				N070	117C3485P022			T M	339022	N	01	99+		4320
TEMPERATURE ELEMENT (PRIMARY)						R 565	K/8		R61					
02	2	A	1 3	I	M521		H13							
RHR-TE-27B				N070	117C3485P022			T M	339022	N	01	99+		4320
TEMPERATURE ELEMENT (PRIMARY)						R 548			R63					
02	2	A	1 3	I	M521		H5							
RHR-TE-4A				N070	117C3485P022			T M	339023	N	01	99+		4320
TEMPERATURE ELEMENT (PRIMARY)						R 572			R71					
02	2	A	1 3	I	M521		J13							
RHR-TE-4B				N070	117C3485P022			T M	339023	N	01	99+		4320
TEMPERATURE ELEMENT (PRIMARY)						R 572			R73					
02	2	A	1 3	I	M521		J4							
RHR-TE-5A				N070	117C3485P022			T M	339022	N	01	99+		4320
RHR-HX-2A SSW OUTLET TEMP						R 560	J3/8.5		R61				RHR-HX-2A	
02E12	2	A	2 3	G	M524		H11							
RHR-TE-5B				N070	117C3485P022			T M	339022	N	01	99+		4320
RHR-HX-2B SSW OUTLET TEMP						R 560	L.0/8.3		R61				RHR-HX-2B	
02E12	2	A	2 3	G	M524		H12							
RHR-V-182				M090	282033			T	324006					4320
.75"VALVE DRAIN FOR RHR-V-115						R 548	L.0/9.0		R63				RHR-V-182+	
215	2	A	2 0	B2.F	M521		J6							
RHR-V-60A				M090	282033			C T	324006					4320
.75" SOL PROCESS SAMPLING CONN 8						R 548	N.0/8.3		R61				RHR-V-60A+	
215	2	A	2 0	B2	M521		J12							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
RHR-V-60B					M090	282033		C	T	324006					4320
.75" SOL PROCESS SAMPLING CONN @						R	548 K.0/8.3			R63			RHR-V-60B+		
215	2	A	2	0 B2	M521		J5								
RHR-V-75A					M090	282033		C	T	324006					4320
.75" SOL PROCESS SAMPLING CONN @ H						R				R61			RHR-V-75A+		
215	2	A	2	0 B2	M521		J12								
RHR-V-75B					M090	282033		C	T	324006					4320
.75" SOL PROCESS SAMPLING CONN @ H						R				R63			RHR-V-75B+		
215	2	A	2	0 B2	M521		J5								
ROA-LMS-10					N007	70050100		P		200014					4320
						R	542 M.5/3.9						ROA-AD-10+		
	2	A	1	0 J	M545		E14								
ROA-LMS-11					N007	70050100		P		200014					4320
						R	542 H.7/8.2			R51			ROA-SPV-11		
	2	A	1	0 J	M545		E8								
ROA-LMS-12					N007	70050100		P		200014					4320
LIMIT SWITCH ON ROA-AD-12						R	490 H.7/8.0			R31			ROA-AD-12+		
216	2	A	1	0 J	M545		C7								
ROA-LMS-13					N007	70050100		P		200014					4320
						R	591 M.5/6.0						ROA-AD-13+		
216	2	A	1	0 J	M545		G14								
ROA-LMS-14					N007	70050100		P		200014					4320
						R	591 N.1/8.3			R73			ROA-AD-14+		
216	2	A	1	0 J	M545		G13								
ROA-LMS-15					N007	70050100		P		200014					4320
LIMIT SWITCH ON ROA-AD-15						R	563 N.0/4.3			R63			ROA-AD-15+		
216	2	A	1	0 J	M545		G12								
ROA-LMS-17					N007	70050100		P		200014					4320
LIMIT SWITCH ON ROA-AD-17						R	563 N.0/4.9			R63			ROA-AD-17+		
216	2	A	1	0 J	M545		G14								
ROA-LMS-19					N007	70050100		P		200014					4320
						R	560 L.0/8.0						ROA-AD-19+		
	2	A	1	0 J	M545		F8								
ROA-SPV-10					A610	HBX8320A-1		C	B	315002					4320
DIV II MCC ROOM DAMPER SOL PILOT -						R	522 H.6/4			R32	R410		ROA-AD-10+		
216	2	A	1	0 J	M545		E15								
ROA-SPV-100					A610	WJHT8316E35F		B	M	315004	N 21 00	33			4320
ROA-V-1 SOL PILOT VA - -						R	548 H.8/5.7			R63	R504		ROA-V-1+		
216	2	A	1	3 B2,F	M545		F3								

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	TM HL TEST ANL EQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN	
ROA-SPV-11			A610		HBX8320A-1		C B	315002				
DIV 1 MCC ROOM DAMPER SOL PILOT -						R 522	H.4/8.3	R31	R212		ROA-AD-11+	4320
216	2	A	1 0	J	M545		D7					
ROA-SPV-12			A610		HBX8320A-1		C B	315002				
DC MCC ROOM DAMPER SOL PILOT - -						R 471	H.4/8	R31	R212		ROA-AD-12+	4320
216	2	A	1 0	J	M545		C7					
ROA-SPV-13			A610		HBX8320A-1		C B	315002				
H2 RECOMB MCC RM (DIV I) DAMPER SO						R 575	M.4/5.7	R73	R611		ROA-AD-13+	4320
216	2	A	1 0	J	M545		G15					
ROA-SPV-14			A610		HBX8320A-1		C B	315002				
H2 RECOMB MCC RM (DIV II) DAMPER S						R 572	M.8/7.8	R73	R612		ROA-AD-14+	4320
216	2	A	1 0	J	M545		G14					
ROA-SPV-15			A610		HBX8320A-1		C B	315002				
SOLENOID PILOT VALVE						R 548	M.4/4.3	R63	R516		ROA-AD-15+	4320
216	2	A	1 0	J	M545		G13					
ROA-SPV-17			A610		HBX8320A-1		C B	315002				
ANALYZER RM 1B DAMPER SOL PILOT LO						R 548	M.4/4.4	R63	R512		ROA-AD-17+	4320
216	2	A	1 0	J	M545		G14					
ROA-SPV-200			A499		WJHT8316E35F		A M	315004	N 21 00	33		
ROA-V-2 SOL PILOT VA - -						R 528	N/8.2	R54	R404		ROA-V-2+	4320
216	2	A	1 3	B2.F	M545		F3					
RPS-PS-2A			S382		12N-AA4-X10TT		A A	256016	N 14 00	33+		
HIGH DRYWELL PRESSURE 0.2-6 PSI						R 525	4.5/7.1	R51	R404		E-IR-P004+	.017
02C72	2	A	1 0	A	807E178TC/		6C3					
RPS-PS-2B			S382		12N-AA4-X10TT		A A	256016 F	N 14 00	33+		
HIGH DRYWELL PRESSURE 0.2-6 PSI						R 525	M.8/6.6	R53	R404		E-IR-P027+	.017
02C72	2	A	1 0	A	807E178TC/		7C3					
RPS-PS-2C			S382		12N-AA5-X10TT		A A	256016				
HIGH DRYWELL PRESSURE 0.2-6 PSI						R 526	N8/5.8	R53	R404		E-IR-P005+	.017
02C72	2	A	1 0	A	807E178TC/		6J3					
RPS-PS-2D			S382		12N-AA5-X10TT		A A	256016	N 14 00	33+		
HIGH DRYWELL PRESSURE 0.2-6 PSI						R 528	H.4/4.2	R52	R404		E-IR-P026+	.017
02C72	2	A	1 0	A	807E178TC/		7J3					
RRA-M-1			W120		SBFC		A B	213012				
3HP/4.7A MOTOR FOR RRA-FN-1						R 445	H.7/4.3	R22	R113		RRA-FC-1+	4320
67	2	A	1 3	J	M545		B14					
RRA-M-10			W120		FBFC/182T		A B	213023				
3HP/4.65A MOPTOR FOR RRA-FN-10						R 522	N3/3.8	R53	R410		RRA-FC-10+	4320
67	2	A	1 0	J	M545		E15					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID	TM	HL TEST	ANL FO C	***SEISMIC (S) PARAMETERS*** ZONE	ROOM	FREQ	ACCURACY	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS	COMPOSITE EPN
RRA-M-11					W120	FBFC/182T			A	B	213023										4320	
3HP/4.65A MOTOR FOR RRA-FN-11							R	522 H5/8						R51	R411							RRA-FC-11+
67	2	A	1	0	J	M545		E7														
RRA-M-12					W120	TBAM			G	B	213015										4320	
5HP/5.5A MOTOR FOR RRA-FN-12							R	490 H.6/7.8						R31	R212							RRA-FN-12+
216	2	A	1	0	J	M545		C7														
RRA-M-13					W120	TBAN			G	B	213015	F									4320	
3HP/?A MOTOR FOR RRA-FN-13							R	585 M.3/6.1						R73	R611							RRA-FC-13+
216	2	A	1	0	J	M545		H15														
RRA-M-14					W120	TBAN			G	B	213015	F									4320	
3HP/5.5A MOTOR FOR RRA-FN-14							R	585 M.7/8.0						R73	R612							RRA-FC-14+
216	2	A	1	0	J	M545		H13														
RRA-M-15					W120	TBAN			G	B	213015										4320	
3HP/5.4A MOTOR FOR RRA-FN-15							R	560 M5/4.5						R63	R516							RRA-FC-15+
216	2	A	1	0	J	M545		G14														
RRA-M-17					W120	TBAN			G	B	213015										4320	
3HP/5.7A MOTOR FOR RRA-FN-17							R	548 M5/4.7						R63	R512							RRA-FC-17+
216	2	A	1	0	J	M545		G14														
RRA-M-19									P	B											4320	
MOTOR FPC HEAT EXCH & PMP RM FLO							R	548 L10/8.4						R63								RRA-FC-19+
215	2	A	1	3	J	M545		G9														
RRA-M-2					W120	SBFC			A	B	213012										4320	
3HP/4.65A MOTOR FOR RRA-FN-2							R	445 L.0/8.3						R21	R116							RRA-FC-2+
67	2	A	1	3	J	M545		B8														
RRA-M-20									P	B											4320	
MOTOR FPC HEAT EXCH & PMP RM FLO							R	548 L8/8.4						R63								RRA-FC-20+
215	2	A	1	3	J	M545		G8														
RRA-M-3					W120	7BFC			A	B	213020										4320	
3HP/4.65A MOTOR FOR RRA-FN-3							R	445 M.0/8.3						R23	R115							RRA-FC-3+
67	2	A	1	3	J	M545		B10														
RRA-M-4					W120	TBFC			A	B	213025										24	
10HP/14A MOTOR FOR RRA-FN-4							R	445 M.5/4.1						R23	R106							RRA-FC-4+
67	2	A	1	0	J	M545		B12														
RRA-M-5					W120	5BFC			A	B	213013										24	
5HP/6.8A MOTOR FOR RRA-FN-5							R	445 K7/3.7						R22	R114							RRA-FC-5+
67	2	A	1	0	J	M545		B13														
RRA-M-6					W120	TBFC			A	B	213021										24	
2HP/3A MOTOR FOR RRA-FN-6							R	445 M.7/7.7						R21	R112							RRA-FC-6+
67	2	A	1	1	J	M545		B7														

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID	ZONE	TN	HL	TEST	ANL	FQ	C	ROOM	FREQ	ACCURACY	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS	COMPOSITE EPN
RRA-RHS-S1					G080	CR2940			M	285002															4320
LOCAL CONTROL SWITCH,RHR P RM 1							R	444 H8/4.3			R22													RRA-FN-1+	
218	3	A	2 3	J		M545		A9																	
RRA-RHS-S2					G080	CR2940			M	285002															4320
CONTROL SWITCH-RRA-FN-2							R	444 K2/8.2			R21													RRA-FN-2+	
218	3	A	2 3	J		M545		A8																	
RRA-RHS-S3					G080	CR2940			M	285002															4320
CONTROL SWITCH-RRA-FN-3							R	444 L8/8.2			R23													RRA-FN-3+	
218	3	A	2 3	J		M545		A7																	
RRA-RHS-S4					G080	CR2940			M	285002															24
CONTROL SWITCH-RRA-FN-4							R	444 M4/4.7			R23													RRA-FN-4+	
218	3	A	2 0	J		M545		A14																	
RRA-RHS-S5					G080	CR2940			M	285002															24
LOCAL CONTROL SWITCH,LPCS P RM 5							R	444 K7/3.8			R22													RRA-FN-5+	
218	3	A	2 0	J		M545		A13																	
RRA-RHS-S6					G080	CR2940			M	285002															4320
LOCAL CONTROL SWITCH,HPCS P RM 6							R	444 H6/8			R21													RRA-FN-6+	
218	3	A	2 1	J		M545		A12																	
RRC-MO-16A					L200				A	221001															4320
2HP MOTOR OPERATOR FOR RRC-V-16A							R	504 J.3/7.4			R43		R307											RRC-V-16A+	
215	2	A	1 0	B1		M530		C14																	
RRC-MO-16B					L200				R A	221001															4320
2 HP MOTOR OPERATOR FOR RRC-V-16B							R	508 J2/7.3			R41		R305											RRC-V-16B+	
215	2	A	1 0	B1		M530		B14																	
RRC-MO-67B					L200	SMB-3-60			B A	221001		Y	14	00						33+					.017
15.8 HP MOTOR OPER FOR RRC-V-67B							C	514 275 D AZ			R20		R41											RRC-V-67B+	
02	2	A	2 0	G		M530		E7																	
RRC-PS-18B					B069	16405359E001-R000			A A	256002		N	14	00						33+					4320
PRESSURE SWITCH NON IND H22-P022							R	471 M.6/8.1			R33		R206											E-IR-P022+	
02B35	2	A	1 0	B1		M530		F5																	
RRC-V-19					B350	P 81560			D	361008		Y													
1" SO GATE SAMPLE RRC LOOPA RETURN							C	501 319 D AZ			R35		C44											RRC-V-19+	
215	2	A	2 0	B1,I		M530		F11																	
RRC-V-20					B350	81560			D	361008															
.75" SOLENOID PROCESS SAMP CONN							R	522 J/6.7			R41													RRC-V-20+	
215	2	A	2 0	B1,I		M530		F12																	
RWCU-FT-36					B045	111BMAA4VBP			A B	156003		N	14	00						33+					24
FLOW ELEMENT 35 PRESSURE BOUNDARY							R	526 N.8/5.0			R53													E-IR-P002+	
02E31	3	A	1 0	B1,F		M523		F15																	

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID / ZONE	TM	HL TEST / ROOM	ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS / COMPOSITE EPN
RWCU-FT-37									B	156003								
EXTENTION OF SYSTEM PRESS BOUNDARY							C 473	J7/8.0		C34								4320
02	3	A	2 3	G	M523			G12							E-IR-P009+			
RWCU-FT-41					B045	555111BMAA4WBP			B	156003								
FLOW TRANSMITTER							R 522	N.8/5.0		R53								24
02E31	3	A	1 0	B1,F	M523			H11							E-IR-P002+			
RWCU-MO-1					L200	SMB-0-25/R56			A A	221001	Y	14	00	35				
1.6HP 4.0A MOTOR OPER. RWCU-V-1							C 540	150 DEG		R57								24
41A	2	A	1 0	B1	M523			F15							RWCU-V-1+			
RWCU-MO-4					L200	SMB-0-25/DK56H			A A	221001	P	14	00	35				
1.8HP 7.5A MOTOR OPER. RWCU-V-4							R 538	M.7/5.0		R53	R406							24
41A	2	A	1 0	B1	M523			E15							RWCU-V-4+			
RWCU-MO-40					L200	SMB-0-25/R56			A A	221001	N	14	00	35				
1.6HP MOTOR OPER. RWCU-V-40							R 515	H.6/5.1		R42								24
41A	2	A	1 0	B1	M523			H11							RWCU-V-40+			
S-SR-13+									A									
H2/02 SAMPLE RACK COMPOSITE							R 548	M6/4.5										
	1	A	1 0	I	M543			E6										
S-SR-14+									A									
H2/02 SAMPLE RACK COMPOSITE							R 548	M6/4.6										
	1	A	1 0	I	M543			H14										
S-SR-42+									A									
							R 522	K.6/9.5										
	1	A	1 3	F,I	M524			G11										
S-SR-43+									A									
							R 522	N.1/9.5										
	1	A	1 3	F,I	M524			G10										
SGT-EHC-1A1					C332	2747499			B A	109008	F							
22.5 KW ELECTRIC HEATING COIL							R 576	H.7/5.6		R72	R608							4320
18	2	A	1 0	D,F	M544			H13							SGT-FU-1A+			
SGT-EHC-1A2					C332	2747499			B A	109008	F							
ELECTRIC HEATING COIL							R 576	H.7/5.6		R72	R608							4320
18	2	A	1 0	D,F	M544			H13							SGT-FU-1A+			
SGT-EHC-1B1					C332	2747499			B A	109008	F							
22.5 KW ELECTRIC HEATING COIL							R 576	H.7/5.6		R72	R607							4320
18	2	A	1 0	D,F	M544			D13							SGT-FU-1B+			
SGT-EHC-1B2					C332	2747499			B A	109008	F							
ELECTRIC HEATING COIL							R 576	J.3/5.6		R72	R607							4320
18	2	A	1 0	D,F	M544			D13							SGT-FU-1B+			

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TM / ROOM	HL TEST / ANL FQ C / ACCURACY	FREQ	***SEISMIC (S) PARAMETERS*** / AGING	DBE	C	*ENV. (E) PARAMETERS* / HOURS / COMPOSITE EPN
SGT-EHO-1A1					I206	NH91GZ073E1F-ZN20		B T	110004	F	N 21 00		33			4320
SGT-FN-1A1 INLET VANES OPER							R 575 H.3/7.8		R71	R608					SGT-FN-1A1+	
28	2	A	1 0	D,F		M544	J7									
SGT-EHO-1A2					I206	NH91GZ073E1F-ZN20		B T	110004	F	N 21 00		33			4320
SGT-FN-1A2 INLET VANES OPER							R 575 H.6/7.8		R71	R608					SGT-FN-1A2+	
28	2	A	1 0	D,F		M544	G7									
SGT-EHO-1B1					I206	NH91GZ073E1F-ZN20		B T	110004	F	N 21 00		33			4320
SGT-FN-1B1 INLET VANES OPER							R 575 J.2/7.8		R71	R607					SGT-FN-1B1+	
28	2	A	1 0	D,F		M544	C7									
SGT-EHO-1B2					I206	NH91GZ073E1F-ZN20		B T	110004	F	N 21 00		33			4320
SGT-FN-1B2 INLET VANES OPER							R 575 J.4/7.8		R71	R607					SGT-FN-1B2+	
28	2	A	1 0	D,F		M544	E7									
SGT-FS-2A2								P P		F						4320
SGT-FN-1A-1 DISCH. LOC-AL-							R 572 H.9/7.8		R71						SGT-FU-1A+	
220	3	A	1 0	D,F		M544	J6									
SGT-FS-2B1								P P		F						4320
SGT-FN-1B-2 DISCH. LOC-AL-							R 572 J.2/8.0		R71						SGT-FU-1B+	
220	3	A	1 0	D,F		M544	E6									
SGT-FT-1A1					R369	1151DP3022MBGE01		B	156005							4320
FLOW AFTER SGT-FN-1A-1 LOC-AL-							R 585 H8/7.1		R71	R608					SGT-FN-1A1+	
59	3	A	1 0	F,I		M544	J6									
SGT-FT-1A2					R369	1151DP3022MBGE01		B	156005							4320
FLOW AFTER SGT-FN-1A-2 LOC-AL-							R 585 H8/7.1		R71	R608					SGT-FN-1A2+	
59	3	A	1 0	F,I		M544	G6									
SGT-FT-1B1					R369	1151DP3022MBGE01		B	156005							4320
FLOW AFTER SGT-FN-1B-1 LOC-AL-							R 585 H8/7.1		R71	R608					SGT-FN-1B1+	
59	3	A	1 0	F,I		M544	C6									
SGT-FT-1B2					R369	1151DP3022MBGE01		B	156005							4320
FLOW AFTER SGT-FN-1B-2 LOC-AL-							R 585 H8/7.1		R71	R608					SGT-FN-1B2+	
59	3	A	1 0	F,I		M544	E6									
SGT-LMS-2A					N007	74080100		A	200015							4320
68	3	A	1 0	I			R 580 J.3/5.5								SGT-V-2A+	
SGT-LMS-2B					N007	74080100		A	200015							4320
68	3	A	1 0	I			R 580 J.4/5.2								SGT-V-2B+	
SGT-M-1A1					W120	TBDP		B A	213017	F						4320
25HP/61-30.5A MOTOR FOR SGT-FN-1A1							R 576 H.5/7.6		R71	R608					SGT-FN-1A1+	
28	2	A	1 0	D,F		M544	F8									

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID	ZONE	TM	HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
SGT-M-1A2				TBDP	W720			B A	213017		F				4320
25HP/61-30.5A MOTOR FOR SGT-FN-1A2							R 576	H.9/7.6		R71		R608		SGT-FN-1A2+	
28	2	A	1 0	D,F		M544		G6							
SGT-M-1B1				TBDP	W120			B A	213017		F				4320
25HP/61-30.5A MOTOR FOR SGT-FN-1B1							R 576	J.2/7.6		R71		R607		SGT-FN-1B1+	
28	2	A	1 0	D,F		M544		C6							
SGT-M-1B2				TBD	W120			B A	213017		F				4320
25HP/61-30.5A MOTOR FOR SGT-FN-1B2							R 576	J.5/7.6		R71		R607		SGT-FN-1B2+	
28	2	A	1 0	D,F		M544		E6							
SGT-MC-6A				SWAGLOCK	C332			N B	215001		F				4320
SGT-EHC-1A-2 CONTROLSYSTEM - -							R 582	H.7/5.5		R71		R608		SGT-FU-1A+	
18	3	A	1 0	D,F		M544		J13							
SGT-MC-6B				XMA/C103 HYGROMETRIX	H349			N B	215001		F				4320
SGT-EHC-1B-1 CONTROLSYSTEM - -							R 572	J4/5.5		R72		R607		SGT-FU-1B+	
18	3	A	1 0	D,F		M544		D13							
SGT-MC-7A				SWAGLOCK	C332			N B	215001		F				4320
SGT-EHC-1A-1 CONTROLSYSTEM - -							R 582	H.7/5.5		R72		R608		SGT-FU-1A+	
18	3	A	1 0	D,F		M544		H13							
SGT-MC-7B				SWAGLOCK	C332			N B	215001		F				4320
SGT-EHC-1B-2 CONTROLSYSTEM - -							R 582	J.3/5.5		R72		R607		SGT-FU-1B+	
18	3	A	1 0	D,F		M544		C13							
SGT-ME-6A				SWAGLOCK	H349			B B	217001		F				4320
SGT-FU-1A MOIST. AFTER SGT-MS-1A L							R 582	N.7/5.5		R72		R608		SGT-FU-1A+	
18	2	A	1 0	D,F		M544		J13							
SGT-ME-6B				XMS-7AP	H349			B B	217001		F				4320
SGT-FU-1B MOIST. AFTER SGT-MS-1B L							R 582	J.3/5.5		R72		R607		SGT-FU-1B+	
18	2	A	1 0	D,F		M544		E13							
SGT-ME-7A				XMS-7AP	H349			B B	217001		F				4320
SGT-FU-1A MOIST. AFTER SGT-MS-1A L							R 582	H.7/5.5		R72		R608		SGT-FU-1A+	
18	2	A	1 0	D,F		M544		H13							
SGT-ME-7B				XMS-7AP	H349			B B	217001		F				4320
SGT-FU-1B MOIST. AFTER SGT-MS-1B L							R 582	J.3/5.5		R72		R607		SGT-FU-1B+	
18	2	A	1 0	D,F		M544		C13							
SGT-MO-1A				SMB-00-10/P58	L200			A A	221001		F	N 1	00		4320
1.3HP/4.8-2.4A MOTOR OPER SGT-V-1A							R 582	H.8/5.2		R72		R608		SGT-V-1A+	
68	2	A	1 0	D,F		M544		H15							
SGT-MO-1B				SMB-00-10/P58	L200			A A	221001		F	N 1	00		4320
1.3HP/4.8-2.4A MOTOR OPER SGT-V-1B							R 582	J.3/5.5		R72		R607		SGT-V-1B+	
68	2	A	1 0	D,F		M544		E15							

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL	A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL EQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C /	HOURS
SGT-MO-3A1			L200		SMB-00-10/P56			A A	221001	F N	14				4320
1.3HP 2.4A MOTOR OPER. SGT-V-3A1						R	578 H.7/7.7		R71	R608			SGT-V-3A1+		
68	2	A	1 0	D,F		M544		G7							
SGT-MO-3A2			L200		SMB-00-10/P56			A A	221001	F N	14	00			4320
1.33HP 2.4A MOTOR OPER. SGT-V-3A2						R	578 H.8/7.7		R71	R608			SGT-V-3A2+		
68	2	A	1 0	D,F		M544		J7							
SGT-MO-3B1			L200		SMB-00-10/P56			A A	221001	F N	14	00			4320
1.33HP 2.4A MOTOR OPER. SGT-V-3B1						R	578 J.3/7.7		R72	R607			SGT-V-3B1+		
68	2	A	1 0	D,F		M544		E7							
SGT-MO-3B2			L200		SMB-00-10/P56			A A	221001	F N	14	00			4320
1.33HP 2.4A MOTOR OPER. SGT-V-3B2						R	578 J.6/7.7		R71	R607			SGT-V-3B2+		
68	2	A	1 0	D,F		M544		C7							
SGT-MO-4A1			L200		SMB-00-10/P56			A A	221001	F N	14	00		33	4320
1.3HP 2.4A MOTOR OPER. SGT-V-4A1						R	588 H.4/7.0		R71	R608			SGT-V-4A1+		
68	2	A	1 0	D,F		M544		H5							
SGT-MO-4A2			L200		SMB-00-10/P56			A A	221001	F N	14	00		33	4320
1.3HP 2.4A MOTOR OPER. SGT-V-4A2						R	588 J.0/7.0		R71	R608			SGT-V-4A2+		
68	2	A	1 0	D,F		M544		G5							
SGT-MO-4B1			L200		SMB-00-10/P56			A A	221001	N	14	00		33	4320
1.33HP 2.4A MOTOR OPER. SGT-V-4B1						R	587 J.0/7.0		R71	R608			SGT-V-4B1+		
68	2	A	1 0	D,F		M544		C5							
SGT-MO-4B2			L200		SMB-00-10/P56			A A	221001	N	14	00		33	4320
1.33HP 2.4A MOTOR OPER. SGT-V-4B2						R	587 J.8/7.0		R71	R607			SGT-V-4B2+		
68	2	A	1 0	D,F		M544		E5							
SGT-MO-5A1			L200		SMB-00-10/P56			A A	221001	N	14	00		33	4320
1.33HP 2.4A MOTOR OPER. SGT-V-5A1						R	588 H.4/7.0		R71	R608			SGT-V-5A1+		
68	2	A	1 0	D,F		M544		J5							
SGT-MO-5A2			L200		SMB-00-10/P56			A A	221001	N	14	00		33	4320
1.33HP 2.4A MOTOR OPER. SGT-V-5A2						R	588 H.9/7.0		R71	R608			SGT-V-5A2+		
68	2	A	1 0	D,F		M544		J5							
SGT-MO-5B1			L200		SMB-00-10/P56			A A	221001	N	14	00		33	4320
1.33HP 2.4A MOTOR OPER. SGT-V-5B1						R	587 J.1/7.0		R71	R608			SGT-V-5B1+		
68	2	A	1 0	D,F		M544		C5							
SGT-MO-5B2			L200		SMB-00-10/P56			A A	221001	N	14	00		33	4320
1.33HP 2.4A MOTOR OPER. SGT-V-5B2						R	587 J.6/7.0		R71	R607			SGT-V-5B2+		
68	2	A	1 0	D		M544		E5							
SGT-PP-EHC/1A1+			F030					A	252004						4320
HEATER CONTROL BOX						R	576 M.0/6.0								
18	1	P	1 0	D,F		E519-34A									

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	HFG / A/E DRAWING	MODEL	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
SGT-PP-EHC/1A2+					F030		R 576	A	252004				4320
HEATER CONTROL BOX							M.0/8.1						
18	1	P	1 0	D,F	E519-34A								
SGT-PP-EHC/1B1+					F030		R 576	A	252004				4320
HEATER CONTROL BOX							M.0/6.0						
18	1	P	1 0	D,F	E519-34A								
SGT-PP-EHC/1B2+					F030		R 576	A	252004				4320
HEATER CONTROL BOX							M.0/7.9						
18	1	P	1 0	D,F	F519-34A								
SGT-PS-EH1A11					B135	A900-20C0EAA-20	R 572	M	256008				4320
CONTROL OF HEATER SGT-EHC-1A1							H.4/5.9					SGT-EHC-1A1+	
18	2	A	2 0	D,F									
SGT-PS-EH1A21					B135	A900-20C0EAA-20	R 572	M	256008				4320
CONTROL OF HEATER SGT-EHC-1A2							H.8/6.0					SGT-EHC-1A2+	
18	2	A	2 0	D,F									
SGT-PS-EH1B11					B135	A900-20C0EAA-20	R 572	M	256008				4320
CONTROL OF HEATER SGT-PS-EH1B11							J.5/16.0					SGT-EHC-1B1+	
18	2	A	2 0	D,F									
SGT-PS-EH1B21					B135	A900-20C0EAA-20	R 572	M	256008				4320
CONTROL OF HEATER SGT-EHC-1B2							J.2/6.0					SGT-EHC-1B2+	
18	2	A	2 0	D,F									
SGT-RLY-1B25						A160700N800A1	R 572	M					4320
CONTROL OF HEATER SGT-EHC-1B2							M.0/8.0					SGT-PP-EHC/1B2+	
18	3	A	1 0	D,F		18-00-0072							
SGT-RLY-1B26						A160700N800A1	R 572	M					4320
CONTROL OF HEATER SGT-EHC-1B2							M.0/8.0					SGT-PP-EHC/1B2+	
18	3	A	1 0	D,F		18-00-0072							
SGT-RLY-EH1A15					A160	700N800A1	R 575	B	283044	F			4320
CONTROL OF HEATER SGT-EHC-1A1							M.1/6.0					SGT-PP-EHC/1A1+	
18	3	A	1 0	D,F		18-00-0092	C6						
SGT-RLY-EH1A16					A160	700N600A1	R 575	B	283044	F			4320
CONTROL OF HEATER SGT-EHC-1A1							M.1/6.0					SGT-PP-EHC/1A1+	
18	3	A	1 0	D,F		18-00-0092	C6						
SGT-RLY-EH1A17						700-N400A1	R 575	B	283044	F			4320
CONTROL OF HEATER SGT-EHC-1A1							M.1/6.0					SGT-PP-EHC/1A1+	
	3	A	1 0	D,F		18-00-0092	C7						
SGT-RLY-EH1A21					A160	700N400A1	R 572	B	283044				4320
CONTROL OF HEATER SGT-EHC-1A2							M.0/8.2					SGT-PP-EHC/1A2+	
18	3	A	1 0	D,F		18-00-0092	E6						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
SGT-RLY-EH1A22					A160	700N400A1		B	283044				4320
CONTROL OF HEATER SGT-EHC-1A2							R 575	M.0/8.2				SGT-PP-EHC/1A2+	
18	3	A	1 0	D,F		18-00-0092		E6					
SGT-RLY-EH1A23					A160	700N400A1		B	283044				4320
CONTROL OF HEATER SGT-EHC-1A23							R 572	M.0/8.2				SGT-PP-EHC/1A2+	
18	3	A	1 0	D,F		18-00-0092		E6					
SGT-RLY-EH1A24					A160	700N600A1		B	283044				4320
CONTROL OF HEATER SGT-EHC-1A2							R 574	M.0/8.2				SGT-PP-EHC/1A2+	
18	3	A	1 0	D,F		18-00-0092		D6					
SGT-RLY-EH1A25					A160	700N800A1		B	283044				4320
CONTROL OF HEATER SGT-EHC-1A2							R 572	M.0/8.2				SGT-PP-EHC/1A2+	
18	3	A	1 0	D,F		18-00-0092		C6					
SGT-RLY-EH1A26					A160	700N600A1		B	283044				4320
CONTROL OF HEATER SGT-EHC-1A2							R 572	M.0/8.2				SGT-PP-EHC/1A2+	
18	3	A	1 0	D,F		18-00-0092		C6					
SGT-RLY-EH1A27					A160	700N400A1		B	283044				4320
CONTROL OF HEATER SGT-RLY-EH1A27							R 574	M.0/8.2				SGT-PP-EHC/1A2+	
18	3	A	1 0	D,F		18-00-0092		C6					
SGT-RLY-EH1B11					A160	700N400A1		B	283044				4320
CONTROL OF HEATER SGT-EHC-1B1							R 575	M.1/5.4				SGT-PP-EHC/1B1+	
18	3	A	1 0	D,F		18-00-0092		E6					
SGT-RLY-EH1B12					A160	700N400A1		B	283044				4320
CONTROL OF HEATER SGT-EHC-1B1							R 575	M.1/5.4				SGT-PP-EHC/1B1+	
18	3	A	1 0	D,F		18-00-0092		E6					
SGT-RLY-EH1B13					A160	700N400A1		B	283044				4320
CONTROL OF HEATER SGT-EHC-1B1							R 575	M.1/5.4				SGT-PP-EHC/1B1+	
18	3	A	1 0	D,F		18-00-0092		E6					
SGT-RLY-EH1B14					A160	700N600A1		B	283044				4320
CONTROL-OF1HEATER SGT-EHC-1B1							R 575	M.1/5.4				SGT-PP-EHC/1B1+	
18	3	A	1 0	D,F		18-00-0092		D6					
SGT-RLY-EH1B15					A160	700N800A1		B	283044				4320
CONTROL OF HEATER SGT-EHC-1B1							R 575	M.1/5.4				SGT-PP-EHC/1B1+	
18	3	A	1 0	D,F		18-00-0092		C6					
SGT-RLY-EH1B16					A160	700N600A1		B	283044				4320
CONTROL OF HEATER SGT-EHC-1B1							R 575	M.1/5.5				SGT-PP-EHC/1B1+	
18	3	A	1 0	D,F		18-00-0092		C6					
SGT-RLY-EH1B17					A160	700N400A1		B	283044				4320
CONTROL OF HEATER SGT-EHC-1B1							R 575	M.1/5.5				SGT-PP-EHC/1B1+	
18	3	A	1 0	D,F		18-00-0092		C6					

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	HFG / MODEL / A/E DRAWING	BLDG ELEV / ZONE	STATUS S E / DETAIL / A/E ZONE	QID	***SEISMIC (S) PARAMETERS*** TH HL TEST ANL FO C / ROOM / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
SGT-RLY-EH1B21			A160		700N400A1		B. 283044					4320
CONTROL OF HEATER SGT-EHC-1B2						R 572	M.0/8.0				SGT-PP-EHC/1B2+	
18	3	A	1 0	D,F	18-00-0092		E6					
SGT-RLY-EH1B22			A160		700N400A1		B 283044					4320
CONTROL OF HEATER SGT-EHC-1B2						R 575	M.0/8.0				SGT-PP-EHC/1B2+	
18	3	A	1 0	D,F	18-00-0092		E6					
SGT-RLY-EH1B23			A160		700N400A1		B 283044					4320
CONTROL OF HEATER SGT-EHC-1B2						R 572	M.0/8.0				SGT-PP-EHC/1B2+	
18	3	A	1 0	D,F	18-00-0092		E6					
SGT-RLY-EH1B24			A160		700N600A1		B 283044					4320
CONTROL OF HEATER SGT-EHC-1B2						R 574	M.0/8.0				SGT-PP-EHC/1B2+	
18	3	A	1 0	D,F	18-00-0092		D6					
SGT-RMS-EH1A1T1							B					4320
TEST STAGE 1 OF SGT-EHC-1A1						R 572	M.1/6.0				SGT-PP-EHC/1A1+	
18	3	A	2 0	D	18-00-0092		G7					
SGT-RMS-EH1A1T2							B					4320
TEST STAGE 2 OF SGT-EHC-1A1						R 572	M.1/6.0				SGT-PP-EHC/1A1+	
18	3	A	2 0	D	18-00-0092		G7					
SGT-RMS-EH1A1T3							B					4320
TEST STAGE 3 OF SGT-EHC-1A1						R 572	M.7/6.0				SGT-PP-EHC/1A1+	
18	3	A	2 0	D	18-00-0092		F7					
SGT-RMS-EH1A2T1							B					4320
TEST STAGE 1 OF SGT-EHC-1A2						R 572	M.0/8.3				SGT-PP-EHC/1A2+	
18	3	A	2 0	D	18-00-0092		G7					
SGT-RMS-EH1A2T2							B					4320
TEST STAGE 1 OF SGT-EHC-1A2						R 572	M.0/8.3				SGT-PP-EHC/1A2+	
18	3	A	2 0	D	18-00-0092		G7					
SGT-RMS-EH1A2T3							B					4320
TEST STAGE 3 OF SGT-EHC-1A2						R 572	M.0/8.3				SGT-PP-EHC/1A2+	
18	3	A	2 0	D	18-00-0092		F7					
SGT-RMS-EH1B1T1							B					4320
TEST STAGE 1 OF SGT-EHC-1B1						R 572	M.0/6.0				SGT-PP-EHC/1B1+	
18	3	A	2 0	D	18-00-0092		G7					
SGT-RMS-EH1B1T2							B					4320
TEST STAGE 2 OF SGT-EHC-1B1						R 572	M.0/6.0				SGT-PP-EHC/1B1+	
18	3	A	2 0	D	18-00-0092		G7					
SGT-RMS-EH1B1T3							B					4320
TEST STAGE 3 OF SGT-EHC-1B1						R 572	M.0/6.0				SGT-PP-EHC/1B1+	
18	3	A	2 0	D	18-00-0092		E7					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL	BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL / A/E ZONE	QID	ZONE	TM	HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	ENV. (E) PARAMETERS AGING / COMPOSITE EPN	DBE	C	HOURS
SGT-RMS-EH1B2T1							B									
TEST STAGE 1 OF SGT-EHC-1						R 572	M.1/5.8						SGT-PP-EHC/1B2+			4320
18	3	A	2 0	D		18-00-0092	G7									
SGT-RMS-EH1B2T2							B									
TEST STAGE 2 OF SGT-EHC-1						R 572	M.1/5.8						SGT-PP-EHC/1B2+			4320
18	3	A	2 0	D		18-00-0092	G2									
SGT-RMS-EH1B2T3							B									
TEST STAGE 3 OF SGT-EHC-1						R 572	M.1/5.8						SGT-PP-EHC/1B2+			4320
18	3	A	2 0	D		18-00-0092	F2									
SGT-SPV-2A					A499 8210D2M0		B	P	315006	N	24 00	35				
SOL. PILOT VLV FOR SGT-V-2A						R 578	H.6/3.6		R72		R608		SGT-V-2A+			4320
220	2	A	1 0	F		M539	J15									
SGT-SPV-2B					A499 8210D2M0		B	P	315006	N	24 00	35				
SOL. PILOT VLV. FOR SGT-V-2B						R 578	H.6/3.6		R72		R607		SGT-V-2B+			4320
220	2	A	1 0	F		M539	D15									
SGT-SPV-F1					A499 8211D2M0		B	B	315007	W						
1/2 S.O DELUGE VA ASSY SGT-DV-1A-						R 578	H.6/3.7		R72		R602		SGT-DV-1A1+			4320
18	2	A	2 0	F		M544	G12									
SGT-SPV-F2					A499 8211D2M0		B	B	315007	W						
1/2 S.O DELUGE VA ASSY SGT-DV-1A-						R 578	H.6/3.7		R72		R602		SGT-DV-1A2+			4320
18	2	A	2 0	F		M544	G11									
SGT-SPV-F3					A499 8211D2M0		B	B	315007	W						
1/2 S.O DELUGE VA ASSY SGT-DV-1A-						R 578	H.6/3.6		R72		R602		SGT-DV-1B3+			4320
18	2	A	2 0	F		M544	G9									
SGT-SPV-F4					A499 8211D2M0		B	B	315007	W						
1/2 S.O DELUGE VA ASSY SGT-DV-1B-						R 578	H.6/3.6		R72		R602		SGT-DV-1B1+			4320
18	2	A	2 0	F		M544	B12									
SGT-SPV-F5					A499 8211D2M0		B	B	315007	W						
1/2 S.O DELUGE VA ASSY SGT-DV-1B-						R 578	H.6/3.6		R72		R602		SGT-DV-1B2+			4320
18	2	A	2 0	F		M544	B11									
SGT-SPV-F6					A499 8211D2M0		B	B	315007	W						
1/2 S.O DELUGE VA ASSY SGT-DV-1B-						R 578	H.6/3.6		R72		R602		SGT-DV-1B3+			4320
18	2	A	2 0	F		M544	B9									
SGT-TE-6A1					F030 DWG L-54040-3		B	M	339001							
SGT-FU-1A; SGT-CF-1A-1 TEMPERATURE						R 577	H.8/6.8		R72		R608		SGT-FU-1A+			4320
18	2	A	2 0	F		M544	H11									
SGT-TE-6B1					F030 L-54040-3		B	M	339001							
SGT-FU-1B; SGT-CF-1B-1 TEMPERATURE						R 576	J.4/6.0		R72		R607		SGT-FU-1B+			4320
18	2	A	2 0	F		M544	D11									

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E	MODEL / BLDG DRAWING	ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TH	HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	***SEISMIC (S) PARAMETERS*** / AGING	DBE	C	HOURS	*ENV. (E) PARAMETERS* / COMPOSITE EPN
SGT-TE-7A1					F030	L-54040-3			B	M	339001							4320
SGT-FU-1A; SGT-CF-1A-2 TEMPERATURE							R	577 H.8/6.4			R72	R608					SGT-FU-1A+	
18	2	A	2	0	F	M544		H9										
SGT-TE-7B1					F030	L-54040-3			B	M	339001							4320
SGT-FU-1B; SGT-CF-1B-2 TEMPERATURE							R	576 J.4/6.4			R72	R607					SGT-FU-1B+	
18	2	A	2	0	F	M544		D9										
SGT-TE-8A1					F030	L-54040-2			B	M	339001							4320
SGT-FU-1A TEMP. AFTER SGT-FL-1A LO							R	577 H.8/6.0			R72	R608					SGT-FU-1A+	
18	2	A	2	0	F	M544		H12										
SGT-TE-8B1					F030	L-54040-2			B	M	339001							4320
SGT-FU-1B TEMP. AFTER SGT-FL-1B LO							R	576 J.4/6.8			R72	R607					SGT-FU-1B+	
18	2	A	2	0	F	M544		D12										
SGT-TS-6A1					K120	CSD-3(A)			B	N	355006	F						4320
SGT-CF-1A-1 TEMP. LOC-AL-							R	572 H8/5.5			R72	R608					SGT-FU-1A+	
18	3	A	2	0	F	M544		H11										
SGT-TS-6B1					K120	CSD-3(A)			B	N	355006	F						4320
SGT-CF-1B-1 TEMP. LOC-AL-							R	572 J4/5.5			R72	R607					SGT-FU-1B+	
18	3	A	2	0	F	M544		C11										
SGT-TS-7A1					K120	CSD-3(A)			B	N	355006	F						4320
SGT-CF-1A-2 TEMP. - -							R	572 H8/5.5			R72	R608					SGT-FU-1A+	
18	3	A	2	0	F	M544		H9										
SGT-TS-7B1					K120	CSD-3(A)			B	N	355006	F						4320
SGT-CF-1B-2 TEMP. - -							R	572 J4/5.5			R72	R607					SGT-FU-1B+	
18	3	A	2	0	F	M544		C9										
SGT-TS-8A1					K120	CSD-3(A)			B	N	355006	F						432
SGT-FU-1A TEMP. AFTER SGT-FL-1A LO							R	572 H8/6.8			R71	R608					SGT-FU-1A+	
18	3	A	2	0	F	M544		H12										
SGT-TS-8B1					K120	CSD-3(A)			B	N	355006	F						4320
SGT-FU-1B TEMP. AFTER SGT-FL-1B LO							R	572 J4/6.8			R71	R607					SGT-FU-1B+	
18	3	A	2	0	F	M544		C12										
SGT-TS-EH1A10					F081	18000-0			A	B	355003	F						4320
CONTROL OF HEATER SGT-EHC-1A1							R	572 H.4/5.9									SGT-EHC-1A1+	
18	2	A	2	0	D,F	E686												
SGT-TS-EH1A11					F081	18000-0			A	B	355003	F						4320
CONTROL OF STAGE 1 OF SGT-EHC-1A1							R	572 H.4/5.9									SGT-EHC-1A/+	
18	2	A	1	0	D,F	18-00-0092		E7										
SGT-TS-EH1A111					F081	18000-0			A	B	355003	F						4320
CONTROL OF HEATER SGT-EHC-1A1							R	572 H.4/5.9									SGT-EHC-1A/+	
18	2	A	1	0	D,F	18-00-0092		C7										

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / S E / DETAIL / A/E ZONE	QID	ZONE	TM	ROOM	HL TEST ANL FD C / ACCURACY	FREQ	***SEISMIC (S) PARAMETERS*** / AGING	DBE	C	*ENV. (E) PARAMETERS* / HOURS / COMPOSITE EPN
SGT-TS-EH1A112					F081	18000-0	A B	355003									4320
CONTROL OF HEATER SGT-EHC-1A1						R 572 H.4/5.9											
18	2	A	1 0	D,F	E686									SGT-EHC-1A/+			
SGT-TS-EH1A113					F081	18000-0	A B	355003	F								4320
CONTROL OF HEATER SGT-EHC-1A1						R 572 H.4/5.9											
18	2	A	1 0	D,F	18-00-0092	C7								SGT-EHC-1A/+			
SGT-TS-EH1A114					F081	18000-0	A B	355003	F								4320
CONTROL OF HEATER SGT-EHC-1A1						R 572 H.4/5.9											
18	2	A	1 0	D,F	18-00-0092	C6								SGT-EHC-1A/+			
SGT-TS-EH1A115					F081	18000-0	A B	355003	F								4320
CONTROL OF HEATER SGT-EHC-1A1						R 572 H.4/5.9											
18	2	A	1 0	D,F	18-00-0092	C6								SGT-EHC-1A/+			
SGT-TS-EH1A116					F081	18000-0	A B	355003	F								4320
CONTROL OF HEATER SGT-EHC-1A1						R 572 H.4/5.9											
18	2	A	1 0	D,F	18-00-0092	C6								SGT-EHC-1A1+			
SGT-TS-EH1A117					F081	18000-0	A B	355003	F								4320
CONTROL OF HEATER SGT-EHC-1A1						R 572 H.4/5.9											
18	2	A	1 0	D,F	18-00-0092	C6								SGT-EHC-1A1+			
SGT-TS-EH1A118					F081	18000-0	A B.	355003	F								4320
CONTROL OF HEATER SGT-EHC-1A1						R 572 H.4/5.9											
18	2	A	1 0	D,F	18-00-0092	C6								SGT-EHC-1A1+			
SGT-TS-EH1A12					F081	18000-0	A B	355003	F								4320
CONTROL OF STAGE 1 OF SGT-EHC-1A1						R 572 H.4/5.9											
18	2	A	1 0	D,F	18-00-0092	E6								SGT-EHC-1A1+			
SGT-TS-EH1A13					F081	18000-0	A B	355003	F.								4320
CONTROL OF STAGE 1 OF SGT-EHC-1A1						R 572 H.4/5.9											
18	2	A	1 0	D,F	18-00-0092	E6								SGT-EHC-1A1+			
SGT-TS-EH1A14					F081	18000-0	A B	355003	F								4320
						R 572 H.4/5.9											
18	2	A	1 0	D,F	18-00-0092	E7								SGT-EHC-1A1+			
SGT-TS-EH1A15					F081	18000-0	A B	355003	F								4320
						R 572 H.4/5.9											
18	2	A	1 0	D,F	18-00-0092	E7								SGT-EHC-1A1+			
SGT-TS-EH1A16					F081	18000-0	A B	355003	F								4320
						R 572 H.4/5.9											
18	2	A	1 0	D,F	18-00-0092	E7								SGT-EHC-1A1+			
SGT-TS-EH1A17					F081	18000-0	A B	355003	F								4320
						R 572 H.4/5.9											
18	2	A	1 0	D,F	18-00-0092	E7								SGT-EHC-1A1+			

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
SGT-TS-EH1A18					F081 18000-0	R 572	A B	355003	F			4320
18	2	A	1 0	D,F	18-00-0092		H.4/5.9 E7				SGT-EHC-1A1+	
SGT-TS-EH1A19					F081 18000-0	R 572	A B	355003	F			4320
18	2	A	1 0	D,F	18-00-0092		H.4/5.9 E6				SGT-EHC-1A1+	
SGT-TS-EH1A21					F081 18000-0	R 572	A B	355003	F			4320
18	2	A	1 0	D,F	18-00-0092		H.8/6.0 C7				SGT-EHC-1A2+	
SGT-TS-EH1A210					F081 18000-0	R 572	A B	355003	F			4320
18	2	A	1 0	D,F	18-00-0092		H.4/5.9 E7				SGT-EHC-1A2+	
SGT-TS-EH1A211					F081 18000-0	R 572	A B	355003	F			4320
18	2	A	1 0	D,F	18-00-0092		H.8/6.0 C7				SGT-EHC-1A2+	
SGT-TS-EH1A212					F081 18000-0	R 572	A B	355003	F			4320
18	2	A	1 0	D,F	18-00-0092		H.8/6.0 C7				SGT-EHC-1A2+	
SGT-TS-EH1A213					F081 18000-0	R 572	A B	355003	F			4320
18	2	A	1 0	D,F	18-00-0092		C7				SGT-EHC-1A2+	
SGT-TS-EH1A214					F081 18000-0	R 572	A B	355003	F			4320
18	2	A	1 0	D,F	18-00-0092		H.8/6.0 C6				SGT-FU-1A+	
SGT-TS-EH1A215					F081 18000-0	R 572	A B	355003	F			4320
18	2	A	1 0	D,F	18-00-0092		H.8/6.0 C6				SGT-FU-1A+	
SGT-TS-EH1A216					F081 18000-0	R 572	A B	355003	F			4320
18	2	A	1 0	D,F	18-00-0092		H.8/6.0 C6				SGT-FU-1A+	
SGT-TS-EH1A217					F081 18000-0	R 572	A B	355003	F			4320
CONTROL OF HEATER SGT-EHC-1A2												
18	2	A	1 0	D,F	18-00-0092		H.8/6.0 C6				SGT-FU-1A+	
SGT-TS-EH1A218					F081 18000-0	R 572	A B	355003	F			4320
CONTROL OF HEATER SGT-EHC-1A2												
18	2	A	1 0	D,F	18-00-0092		H.8/6.0 C6				SGT-FU-1A+	
SGT-TS-EH1A22					F081 18000-0	R 572	A B	355003	F			4320
CONTROL OF STAGE 1 OF SGT-EHC-1A2												
18	2	A	1 0	D,F	18-00-0092		H.8/6.0 E6				SGT-FU-1A+	

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / BLDG ELEV / A/E DRAWING	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** / TM / HL TEST / ANL / ROOM	FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* / AGING / DBE / C / COMPOSITE EPN	HOURS
SGT-TS-EH1A23					F081 18000-0	A B	355003	F				4320
CONTROL OF STAGE 1 OF SGT-EHC-1A2					R 572 H.8/6.0						SGT-FU-1A+	
18	2	A	1 0	D,F	18-00-0092	E6						
SGT-TS-EH1A24					F081 18000-0	A B	355003	F				4320
CONTROL OF STAGE 2 OF SGT-EHC-1A2					R 572 H.8/6.0						SGT-FU-1A+	
18	2	A	1 0	D,F	18-00-0092	E7						
SGT-TS-EH1A25					F081 18000-0	A B	355003	F				4320
CONTROL OF STAGE 2 OF SGT-EHC-1A2					R 572 H.8/6.0						SGT-FU-1A+	
18	2	A	1 0	D,F	18-00-0092	E7						
SGT-TS-EH1A26					F081 18000-0	A B	355003	F				4320
CONTROL OF STAGE 2 SGT-EHC-1A2					R 572 H.8/6.0						SGT-FU-1A+	
18	2	A	1 0	D,F	18-00-0092	E7						
SGT-TS-EH1A27					F081 18000-0	A B	355003	F				4320
CONTROL OF STAGE 3 OF SGT-EHC-1A2					R 572 H.8/6.0						SGT-FU-1A+	
18	2	A	1 0	D,F	18-00-0092	E7						
SGT-TS-EH1A28					F081 18000-0	A B	355003	F				4320
CONTROL OF STAGE 3 OF SGT-EHC-1A2					R 572						SGT-FU-1A+	
18	2	A	1 0	D,F	18-00-0092	E7						
SGT-TS-EH1A29					F081 18000-0	A B	355003	F				4320
CONTROL OF STAGE 3 OF SGT-EHC-1A2					R 572 H.8/6.0						SGT-FU-1A+	
18	2	A	1 0	D,F	18-00-0092	E6						
SGT-TS-EH1B10					F081 18000-0	A B	355003	F				4320
					R 572 J5/6.0						SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092	E7						
SGT-TS-EH1B11					F081 18000-0	A B	355003	F				4320
CONTROL OF STAGE 1 OF SGT-EHC-1B1					R 572 J.5/6.0						SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092	C7						
SGT-TS-EH1B111					F081 18000-0	A B	355003	F				4320
CONTROL OF HEATER SGT-EHC-1B1					R 572						SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092	C7						
SGT-TS-EH1B112					F081 18000-0	A B	355003	F				4320
CONTROL OF HEATER SGT-EHC 1B1					R 572 J.5/6.0						SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092	C7						
SGT-TS-EH1B113					F081 18000-0	A B	355003	F				4320
CONTROL OF HEATER SGT-EHC-1B1					R 572 J.5/6.0						SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092	C7						
SGT-TS-EH1B114					F081 18000-0	A B	355003	F				4320
CONTROL OF HEATER SGT-EHC-1B1					R 572 J.5/6.0						SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092	C6						

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL	BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
SGT-TS-EH1B115					F081 18000-0		A B	355003	F			4320
CONTROL OF HEATER SGT-EHC-1B1						R 572	J.5/6.0				SGT-FU-1B+	
18	2	A	1 0	D,F		18-00-0092	C6					
SGT-TS-EH1B116					F081 18000-0		A B	355003	F			4320
CONTROL OF HEATER SGT-EHC-1B1						R 572	J.5/6.0				SGT-FU-1B+	
18	2	A	1 0	D,F		18-00-0092	C6					
SGT-TS-EH1B117					F081 18000-0		A B	355003	F			4320
CONTROL OF HEATER SGT-EHC-1B1						R 572	J.5/6.0				SGT-FU-1B+	
18	2	A	1 0	D,F		18-00-0092	C6					
SGT-TS-EH1B118					F081 18000-0		A B	355003	F			4320
CONTROL OF HEATER SGT-EHC-1B1						R 572	J.5/6.0				SGT-FU-1B+	
18	2	A	1 0	D,F		18-00-0092	C6					
SGT-TS-EH1B12					F081 18000-0		A B	355003	F			4320
CONTROL OF STAGE 1 OF SGT-EHC-1B1						R 572	J.5/6.0				SGT-FU-1B+	
18	2	A	1 0	D,F		18-00-0092	E6					
SGT-TS-EH1B13					F081 18000-0		A B	355003	F			4320
CONTROL OF STAGE 1 OF SGT-EHC-1B1						R 572	J.5/6.0				SGT-FU-1B+	
18	2	A	1 0	D,F		18-00-0092	E6					
SGT-TS-EH1B14					F081 18000-0		A B	355003	F			4320
CONTROL OF STAGE 2 OF SGT-EHC-1B1						R 572	M.1/5.8				SGT-FU-1B+	
18	2	A	1 0	D,F		18-00-0092	E7					
SGT-TS-EH1B15					F081 18000-0		A B	355003	F			4320
CONTROL OF STAGE 2 OF SGT-EHC-1B1						R 572	J.5/6.0				SGT-FU-1B+	
18	2	A	1 0	D,F		18-00-0092	E7					
SGT-TS-EH1B16					F081 18000-0		A B	355003	F			4320
CONTROL OF STAGE 2 OF SGT-EHC-1B1						R 572	J.5/6.0				SGT-FU-1B+	
18	2	A	1 0	D,F		18-00-0092	E7					
SGT-TS-EH1B17					F081 18000-0		A B	355003	F			4320
CONTROL OF STAGE 3 OF SGT-EHC-1B1						R 572	J.5/6.0				SGT-FU-1B+	
18	2	A	1 0	D,F		18-00-0092	E7					
SGT-TS-EH1B18					F081 18000-0		A B	355003	F			4320
CONTROL OF STAGE 3 OF SGT-EHC-1B1						R 572	J.5/6.0				SGT-FU-1B+	
18	2	A	1 0	D,F		18-00-0092	E7					
SGT-TS-EH1B19					F081 18000-0		A B	355003	F			4320
CONTROL OF STAGE 3 OF SGT-EHC-1B1						R 572	J.5/6.0				SGT-FU-1B+	
18	2	A	1 0	D,F		18-00-0092	E6					
SGT-TS-EH1B21					F081 18000-0		A B	355003	F			4320
CONTROL OF STAGE 1 OF SGT-EHC-1B2						R 572	J.2/6.0				SGT-FU-1B+	
18	2	A	1 0	D,F		18-00-0092	C7					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
SGT-TS-EH1B210					F081	18000-0	A B	355003	F			4320
CONTROL OF STAGE 1 OF SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		C7					
SGT-TS-EH1B211					F081	18000-0	A B	355003	F			4320
CONTROL OF HEATER SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		C7					
SGT-TS-EH1B212					F081	18000-0	A B	355003	F			4320
CONTROL OF HEATER SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	E686							
SGT-TS-EH1B213					F081	18000-0	A B	355003	F			4320
CONTROL OF HEATER SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		C7					
SGT-TS-EH1B214					F081	18000-0	A B	355003	F			4320
CONTROL OF HEATER SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		C6					
SGT-TS-EH1B215					F081	18000-0	A B	355003	F			4320
CONTROL OF HEATER SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		C6					
SGT-TS-EH1B217					F081	18000-0	A B	355003	F			4320
CONTROL OF HEATER SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		C6					
SGT-TS-EH1B218					F081	18000-0	A B	355003	F			4320
CONTROL OF HEATER SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		C6					
SGT-TS-EH1B22					F081	18000-0	A B	355003	F			4320
CONTROL OF STAGE 1 OF SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		E6					
SGT-TS-EH1B23					F081		A B	355003	F			4320
CONTROL OF STAGE 1 OF SGT-EHC-1B2						R 572					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		E6					
SGT-TS-EH1B24					F081	18000-0	A B	355003	F			4320
CONTROL OF STAGE 2 OF SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		E7					
SGT-TS-EH1B25					F081	18000-0	A B	355003	F			4320
CONTROL OF STAGE 2 OF SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		E7					
SGT-TS-EH1B26					F081	18000-0	A B	355003	F			4320
CONTROL OF STAGE 2 OF SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		E6					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
SGT-TS-EH1B27					F081		A B	355003	F			4320
CONTROL OF STAGE 3 OF SGT-EHC-1B2						R 572					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		E6					
SGT-TS-EH1B28					F081 18000-0		A B	355003	F			4320
CONTROL OF STAGE 3 OF SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		E6					
SGT-TS-EH1B29					F081 18000-0		A B	355003	F			4320
CONTROL OF STAGE 3 OF SGT-EHC-1B2						R 572 J.2/6.0					SGT-FU-1B+	
18	2	A	1 0	D,F	18-00-0092		E6					
SGT-XE-1RH/1A1					H349 XMAC-103		B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 576 M.0/6.0					SGT-PP-EHC/1A1+	
18	2	A	1 0	D,F	18-00-0092		B6					
SGT-XE-1RH/1A2					H349 XMAC-103		B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 576 M.0/8.1					SGT-PP-EHC/1A1+	
18	2	A	1 0	D,F	18-00-0092		B6					
SGT-XE-1RH/1B1					H349 XMAC-103		B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 576 M.0/5.5					SGT-PP-EHC/1B1+	
18	2	A	1 0	D,F	18-00-0092		B6					
SGT-XE-1RH/1B2					H349 XMAC-103		B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 576 M.0/7.9					SGT-PP-EHC/1B1+	
18	2	A	1 0	D,F	18-00-0092		B6					
SGT-XE-1RHS/1A1					H349 XMS7A		B	383004				4320
CONTROL OF RELATIVE HUMIDITY						R 572 H.4/5.9					SGT-PP-EHC/1A1+	
18	2	A	1 0	D,F	18-00-0092		B5					
SGT-XE-1RHS/1A2					H349 XMAC-103		B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 572 H.8/6.0					SGT-PP-EHC/1A1+	
18	2	A	1 0	D,F	18-00-0092		B5					
SGT-XE-1RHS/1B1					H349 XMAC-103		B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 572 J.5/6.0					SGT-PP-EHC/1B1+	
18	2	A	1 0	D,F	18-00-0092		B5					
SGT-XE-1RHS/1B2					H349 XMAC-103		B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 572 J.2/6.0					SGT-PP-EHC/1B1+	
18	2	A	1 0	D,F	18-00-0092		B5					
SGT-XE-2RH/1A1					H349 XMAC-103		B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 576 M.0/6.0					SGT-PP-EHC/1A1+	
18	2	A	1 0	D,F	18-00-0092		B6					
SGT-XE-2RH/1A2					H349 XMAC-103		B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 576 M.0/8.1					SGT-PP-EHC/1A2+	
18	2	A	1 0	D,F	18-00-0092		B6					

EPN / CONTRACT	LEVEL	DESCRIPTION EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
SGT-XE-2RH/1B1					H349	XHAC-103	B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 576	M.0/5.5				SGT-PP-EHC/1B1+	
18	2	A	1 0	D,F	18-00-0092		B6					
SGT-XE-2RH/1B2					H349	XHAC-103	B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 576	M.0/8.1				SGT-PP-EHC/1B2+	
18	2	A	1 0	D,F	18-00-0092		B6					
SGT-XE-2RHS/1A1					H349	XHS7A	B	383004				4320
CONTROL OF RELATIVE HUMIDITY						R 572	H.4/5.9				SGT-PP-EHC/1A1+	
18	2	A	1 0	D,F	18-00-0092		B5					
SGT-XE-2RHS/1A2					H349	XHAC-103	B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 572	H.8/6.0				SGT-PP-EHC/1A2+	
18	2	A	1 0	D,F	18-00-0092		B5					
SGT-XE-2RHS/1B1					H349	XHS7A	B	383004				4320
CONTROL OF RELATIVE HUMIDITY						R 572	J.5/6.0				SGT-PP-EHC/1B1+	
18	2	A	1 0	D,F	18-00-0092		B5					
SGT-XE-2RHS/1B2					H349	XHS7A	B	383004				4320
CONTROL OF RELATIVE HUMIDITY						R 572	J.2/6.0				SGT-PP-EHC/1B2+	
18	2	A	1 0	D,F	18-00-0092		B5					
SGT-XE-3RH/1A1					H349	XHAC-103	B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 576	M.0/6.0				SGT-PP-EHC/1A1+	
18	2	A	1 0	D,F	18-00-0092		B6					
SGT-XE-3RH/1A2					H349	XHAC-103	B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 572	M.0/8.2				SGT-PP-EHC/1A2+	
18	2	A	1 0	D,F	18-00-0092		B6					
SGT-XE-3RH/1B1					H349	XHAC-103	B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 576	M.0/5.5				SGT-PP-EHC/1B1+	
18	2	A	1 0	D,F	18-00-0092		B6					
SGT-XE-3RH/1B2					H349	XHAC-103	B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 576					SGT-PP-EHC/1B2+	
18	2	A	1 0	D,F	18-00-0092		B6					
SGT-XE-3RHS/1A1					H349	XHAC-103	B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 572	H.4/5.9				SGT-PP-EHC/1A1+	
18	2	A	1 0	D,F	18-00-0092		A5					
SGT-XE-3RHS/1A2					H349	XHAC-103	B	383002				4320
CONTROL OF RELATIVE HUMIDITY						R 572	H.8/6.0				SGT-PP-EHC/1A2+	
18	2	A	1 0	D,F	18-00-0092		A5					
SGT-XE-3RHS/1B1					H349	XHS7A	B	383004				4320
CONTROL OF RELATIVE HUMIDITY						R 572	J.5/6.0				SGT-PP-EHC/1B1+	
18	2	A	1 0	D,F	18-00-0092		A5					

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG	MODEL	BLDG ELEV / A/E DRAWING	STATUS / S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL / TEST	ANL / ACCURACY	FO C / FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE	C	HOURS
SGT-XE-3RHS/1B2					H349	XHS7A		B	383004								4320
CONTROL OF RELATIVE HUMIDITY							R 572 J.2/6.0							SGT-PP-EHC/1B2+			
	2	A	1 0	D,F			18-00-0092	A5									
SLC-EHC-2					G080	2D433G3		D	109009								24
MAINTAINING HEATER FOR SLC-TK-1							R 548 M5/3.8							SLC-TK-1+			
02C41	2	A	1 0	A			M522	H03									
SLC-EHC-3					G080	2D507G140		M D	109010	N		00					24
MIXING HEATER FOR SLC-TK-1							R 548 M5/3.8							SLC-TK-1+			
02C41	2	A	1 0	A			M522	H03									
SLC-LT-1					B042	555111BLAA4WBL			209008								24
SLC-TK-1 LEVEL TRANSMITTER							R 550 M.9/4.3		R63					E-IR-P011+			
02	2	A	2 0	I			M522	J4									
SLC-M-1A					G080	5K324AK2120/324T		R M	213030								24
40HP/52A MOTOR FOR SCL-P-1A							R 530 3.6/M.2		R63	R513				SLC-P-1A+			
02C41	2	A	1 0	A			M522	F6									
SLC-M-1B					G080	5K324AK2120/324T		R M	213030								24
40HP/52A MOTOR FOR SLC-P-1B							R 550 3.6/M.2		R63	R513				SLC-P-1B+			
02C41	2	A	1 0	A			M522	D6									
SLC-PT-4					G080	556110EAAA1WEN		P P	259001	N	14	00	00				24
SLC PUMP DISCHARGE PRESSURE TRANSM							R 553 N.0/3.4		R63								
02	2	A	2 0	G			M522	G8									
SLC-RHS-S2					G080	CR2940		B	285002								24
SLC HEATER SWITCH							R 554 M.8/4.3										
02	3	P	4 3	A			807E161TC										
SLC-V-4A					C515	1832159		C B	361003								4320
1.5" EXPLO SLC INLET TO PRIMARY							R 548 M.2/3.7		R63					SLC-V-4A+			
02C41	2	A	1 0	A,81			M522	F8									
SLC-V-4B					C515	1832159		C B	361003								4320
1.5" EXPLO SLC INLET TO PRIMARY							R 548 M.2/3.8		R63					SLC-V-4B+			
02C41	2	A	1 0	A,81			M522	D8									
SPTM-TE-10					H329	TC-113X-T-A-24-3		D D	339002	Y							4320
SUPPRESSION POOL TEMP,OPER INFO							C 448 SUPP POOL										
218	2	A	1 0	I			M519	B5									
SPTM-TE-11					H329	TC-113X-T-A-24-3		D D	339002	Y							4320
SUPPRESSION POOL TEMP,OPER INFO							C 448 SUPP POOL										
218	2	A	1 0	I			M519	B5									
SPTM-TE-12					H329	TC-113X-T-A-24-3		D D	339002	Y							4320
SUPRESSION POOL TEMP, OPER INFO							C 447 SUPP POOL										
218	2	A	1 0	I			M519	B4									

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	MFG / USE	SAFETY FUNCTION	MODEL / A/E DRAWING	BLDG ELEV	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C /	HOURS
SPTM-TE-13			H329	TC-113X-T-A-24-3			D D	339002	Y					4320
SUPPRESSION POOL TEMP, OPER INFO						C 447	SUPP POOL							
218	2	A	1 0	I	M519		B4							
SPTM-TE-14			H329	TC-113X-T-A-24-3			D D	339002	Y					4320
SUPPRESSION POOL TEMP, OPER INFO						C 447	SUPP POOL							
218	2	A	1 0	I	M519		B3							
SPTM-TE-15			H329	TC-113X-T-A-24-3			D D	339002	Y					4320
SUPPRESSION POOL TEMP, OPER INFO						C 447	SUPP POOL							
218	2	A	1 0	I	M519		B3							
SPTM-TE-16			H329	TC-113X-T-A-24-3			D D	339002	Y					4320
SUPPRESSION POOL TEMP, OPER INFO						C 447	SUPP POOL							
218	2	A	1 0	I	M519		B2							
SPTM-TE-1A			H329	TC-113X-T-A-24-3			R D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466	SUPP POOL							
218	2	A	1 0	I	M519		D6							
SPTM-TE-1B			H329	TC-113X-T-A-24-3			D D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466	SUPP POOL							
218	2	A	1 0	I	M519		D6							
SPTM-TE-2A			H329	TC-113X-T-A-24-3			D D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466	SUPP POOL							
218	2	A	1 0	I	M519		D5							
SPTM-TE-2B			H329	TC-113X-T-A-24-3			D D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466	SUPP POOL							
218	2	A	1 0	I	M519		D5							
SPTM-TE-3A			H329	TC-113X-T-A-24-3			D D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466	SUPP POOL							
218	2	A	1 0	I	M519		D3							
SPTM-TE-3B			H329	TC-113X-T-A-24-3			D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466	SUPP POOL							
218	2	A	1 0	I	M519		D3							
SPTM-TE-4A			H329	TC-113X-T-A-24-3			D D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466	SUPP POOL							
218	2	A	1 0	I	M519		D4							
SPTM-TE-4B			H329	TC-113X-T-A-24-3			D D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466	SUPP POOL							
218	2	A	1 0	I	M519		D4							
SPTM-TE-5A			H329	TC-113X-T-A-24-3			D D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466	SUPP POOL							
218	2	A	1 0	I	M519		D5							

EPN / DESCRIPTION / CONTRACT	LEVEL	EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / HL TEST / ROOM	ANL FO C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / DBE / COMPOSITE EPN	C	HOURS
SPTM-TE-5B					H329	TC-113X-T-A-24-3	D D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466 SUPP POOL								
218	2	A	1 0	I	H519	D5								
SPTM-TE-6A					H329	TC-113X-T-A-24-3	D D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466 SUPP POOL								
218	2	A	1 0	I	H519	D4								
SPTM-TE-6B					H329	TC-113X-T-A-24-3	D D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466 SUPP POOL								
218	2	A	1 0	I	H519	D4								
SPTM-TE-7A					H329	TC-113X-T-A-24-3	D D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466 SUPP POOL								
218	2	A	1 0	I	H519	D2								
SPTM-TE-7B					H329	TC-113X-T-A-24-3	D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466 SUPP POOL								
218	2	A	1 0	I	H519	D2								
SPTM-TE-8A					H329	TC-113X-T-A-24-3	D D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466 SUPP POOL								
218	2	A	1 0	I	H519	D4								
SPTM-TE-8B					H329	TC-113X-T-A-24-3	D D	339002	Y					4320
SUPPRESSION POOL TEMP						C 466 SUPP POOL								
218	2	A	1 0	I	H519	D4								
SPTM-TE-9					H329	TC-113X-T-A-24-3	D D	339002	Y					4320
SUPPRESSION POOL TEMP, OPER INFO						C 447 SUPP POOL								
218	2	A	1 0	I	H519	B5								
SRM-CONN-01							D							4320
CONNECTOR FOR SRM-DET-1A						C BENEATH RPV								
02C51	3	P	2 3	I	807E162TC									
SRM-CONN-02							D							4320
CONNECTOR FOR SRM-DET-1B						C BENEATH RPV								
02C51	3	P	2 3	I	807E162TC									
SRM-CONN-03							D							4320
CONNECTOR FOR SRM-DET-1C						C BENEATH RPV								
02C51	3	P	2 3	I	807E162TC									
SRM-CONN-04							D							4320
CONNECTOR FOR SRM-DET-1D						C BENEATH RPV								
02C51	3	P	2 3	I	807E162TC									
SRM-DET-1A					G080	368X432G001	D		Y					4320
						C IN RPV						MS-RPV-3+		
02C51	2	A	1 3	I	807E162	TC								

EPN / CONTRACT	LEVEL	DESCRIPTION. EC	USE	SAFETY FUNCTION	MFG / MODEL	BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL / A/E ZONE	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
SRH-DET-1B			G080		368X432G001	C	D IN RPV		Y			4320
02C51	2	A	1 3	I		807E162	TC				MS-RPV-3+	
SRH-DET-1C			G080		368X432G001	C	D IN RPV		Y			4320
02C51	2	A	1 3	I		807E162	TC.				MS-RPV-3+	
SRH-DET-1D			G080		368X432G001	C	D IN RPV		Y			4320
02C51	2	A	1 3	I		807E162	TC				MS-RPV-3+	
SRH-EAMP-1A			G080		112C2276G001	R	D 501 L.6/3.5	106002				4320
02C51	3	A	1 3	I							E-IR-P030+	
SRH-EAMP-1B			G080		112C2276G001	R	D 501 H.4/7.7	106002				4320
02C51	3	A	1 3	I							E-IR-P031+	
SRH-EAMP-1C			G080		112C2276G001	R	D 501 L.5/3.5	106002				4320
02C51	3	A	1 3	I							E-IR-P032+	
SRH-EAMP-1D			G080			R	D 501 H.8/8.3					4320
02C51	3	A	1 3	I							E-IR-P033+	
SW-FT-7A					1151	R	A B 503 J.6/3.6	156005 R73	N 14 00	33+		4320
FLOW TRANSMITTER 02	3	A	1 3	I		M524	G11				E-IR-P018	
SW-FT-7B			R369		1151	R	A D 503 H.9/9.3	156005 R73	N 14 00	33+		4320
FLOW TRANSMITTER 02	3	A	1 3	I		M524	G10				E-IR-P021	
SW-MO-187A						R	N M 548	221001				4320
MO FOR SW-V-187A INTO FPC-HX-1A												
41A	2	A	1 0	F		M524	B8				SW-V-187A+	
SW-MO-187B						R	N M 548	221001				4320
SW-V-187B MO SW INTO FPC-HX-1B												
41A	2	A	1 0	F		M524	B6				SW-V-187B+	
SW-MO-188A						R	N M 548	221001				4320
SW-V-188A MO SW OUT OF FPC-HX-1A												
41A	2	A	1 0	F		M524	B8				SW-V-188A+	
SW-MO-188B						R	N M 548	221001				4320
SW-V-188B MO SW OUT OF FPC-HX-1B												
41A	2	A	1 0	F		M524	B7				SW-V-188B+	

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TM / ROOM	HL TEST ANL FO C / ACCURACY	FREQ	AGING / COMPOSITE EPN	DBE C	HOURS
SW-MO-24A					L200	SMC-04-5/42		G A	221001	N	14 00	33			4320
0.32HP MOTOR OPERATOR SW-V-24A						R 448	K.6/8.0		R21	R116			SW-V-24A+		
215	2	A	1 3	C,E,J	M524		D12								
SW-MO-24B					L200	SMC-04-5/42		G A	221001	N	14 00	33			4320
0.32HP MOTOR OPERATOR SW-V-24B						R 450	L8/8.3		R23	R115			SW-V-24B+		
215	2	A	1 3	C,E,J	M524		D10								
SW-MO-24C					L200	SMC-04-5/42		G A	221001	N	14 00	33			4320
0.32HP MOTOR OPERATOR SW-V-24C						R 450	H.7/4.4		R22	R113			SW-V-24C+		
215	2	A	1 3	C,E,J	M524		D13								
SW-MO-44					L200	SMC-04-5/42		B A	221001	N	14 00	33			4320
0.5HP MOTOR OPERATOR SW-V-44						R 455	K.9/3.9		R22	R114			SW-V-44+		
215	2		1 0	C,J	M524		D9								
SW-MO-54					L200	SMC-04-5/42		B A	221001						4320
0.5HP MOTOR OPERATOR SW-V-54						R 450	M9/4.0		R23	R106			SW-V-54+		
215	2	A	1 0	J	M524		D9								
SW-MO-75A								P P	221001						4320
MOTOR OPERATOR FOR SW-V-75A						R 522	J/9.4		R61				SW-V-75A+		
215	2	A	2 0	F	M524		G11								
SW-MO-75B								P P	221001 P						4320
MOTOR OPERATOR FOR SW-V-75B						R 522	M6/9.4		R61				SW-V-75B+		
215	2	A	2 0	F	M524		G10								
SW-PS-1014					A499	SC11AR/TG10A44R		B A	256001	N	14 00	50			4320
SUPPLY TO H2-O2 ANALY SW-V-754						R 548			R63						
220	2	A	1 3	F	M607/2		C15								
SW-PS-1015					A499	SC11AR/TG10A44R		B A	256001	N	14 00	50			4320
SUPPLY TO H2-O2-ANALY SW-V-755						R 548			R63						
220	2	A	1 3	F	M607/2		B15								
SW-RE-4					G080	117B1681G001		D	277004						4320
SW DISCH FROM RHR-HX-1B						R 522	K.6/9.5		R51				S-SR-42+		
02D17	2	A	1 3	F,I	M524		G11								
SW-RE-5					G080	117B1681G001		D	277004						4320
SW DISCH FROM RHR-HX-1A						R 522	N.1/9.5		R53				S-SR-43+		
02D17	2	A	1 3	F,I	M524		G10								
SW-RLY-CRV44					S440	H		A	283044						4320
CONTROL RELAY FOR SW-V-44						R 522	H.4/8.1								
	3	A	1 3	C,E,J	E527/SH9										
SW-V-201					M095	MV229MQ-L2		D A	324004						4320
0.5" SOLENOID SAMPLE TO SR-13						R 548			R63						
220	2	A	1 0	F	M607/2		C15								

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV / A/E ZONE	STATUS / S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM / ROOM	HL TEST ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE C	HOURS
SW-V-204					M095	HV229MS-L2	D T	324004						
.5" SOLENOID TSW TO H2 O2 ANALY					R	548		R63						4320
220	2	A	1 0	F	M607/2	C15								
SW-V-206					M095	HV229MS-L2	D A	324004						
.5" SOLENOID SAMPLE TO SR-14					R	548		R63						4320
220	2	A	1 0	F	M607/2	B15								
SW-V-209					M095	HV229MQ-L2	D T	324004						
.5" SOLENOID SAMPLE TO H2 O2 ANALY					R	548		R63						4320
220	2	A	1 0	F	M607/2	B15								
SW-V-210					M095	HV229MS-L2	D T	324004						
.5" SOLENOID H2 O2 ANALY TSW DISCH					R	548		R63						4320
220	2	A	1 0	F	M607/2	A12								
SW-V-211					M095	HV229MS-L2	D A	324004	P					
.5" SOLENOID SR-14 DISCHARGE					R	548 N/4.3		R63						4320
220	2	A	1 0	F	M607/2	A12								
SW-V-212					M095	HV229MQ-L2	D T	324004						
.5" SOLENOID H2 O2 ANALY TSW DISCH					R	548		R63						4320
220	2	A	1 0	F	M607/2	B13								
SW-V-213					M095	HV229MS-L2	D A	324004						
.5" SOLENOID SR-13 DISCHARGE					R	548		R63						4320
220	2	A	1 0	F	M607/2	B13								
SW-V-34					M095	HV252-1	D	361005						
SOL. OPERATE V-34 RCIC PMP RM RTN					R	452 H.7/8.0		R21						4320
215	2	A	2 1	J	M524	D11								
TIP-V-1					G080	P P136B1302G002		361004						
TIP EXPLOSIVE ACT ISOL SHEAR VLV					R	501 J.0/4.5		R42						4320
02C51	2	A	1 0	B1	807E165TC/	2J1								
TIP-V-2					G080	P P136B1302G002		361004						
TIP EXPLOSIVE ACT ISOL SHEAR VLV					R	501 J.0/4.5								4320
02C51	2	A	1 0	B1	807E165TC/	2J1								
TIP-V-3					G080	P P136B1302G002		361004						
TIP EXPLOSIVE ACT ISOL SHEAR VLV					R	501 J.0/4.5								4320
02C51	2	A	1 0	B1	807E165TC/	2J1								
TIP-V-4					G080	P P136B1302G002		361004						
TIP EXPLOSIVE ACT ISOL SHEAR VLV					R	501 J.0/4.5								4320
02C51	2	A	1 0	B1	807E165TC/	2J1								
TIP-V-5					G080	P P136B1302G002		361004						
TIP EXPLOSIVE ACT ISOL SHEAR VLV					R	501 J.0/4.5								4320
02C51	2	A	1 0	B1	807E165TC/	2J1								

APPENDIX B

ENVIRONMENTAL SERVICE CONDITIONS

Appendix B contains the following information:

NORMAL AND ABNORMAL SERVICE CONDITIONS

Area	Temperature	Pressure	Humidity
Normal Service Conditions			
Containment	135°F average	14.7 psia	40 - 55%
Reactor Building	70 - 90°F	14.7 psia	40%
Steam Tunnel	125°F	14.7 psia	40 - 50%
Abnormal Service Conditions			
Containment	150°F maximum	16.7 psia	90%
Reactor Building	104°F maximum	14.7 psia	90%
Steam Tunnel	140°F maximum	14.7 psia	90 - 98%

PRIMARY CONTAINMENT SERVICE CONDITIONS DUE TO A LOCA/HELB IN PRIMARY CONTAINMENT

Temperature/Pressure: Accident Profile 1

Relative Humidity: Profile 2

Spray: Demineralized Water

Radiation (normal + accident):

- Dry well 7.0×10^7 rad
- Wet well (above pool) 9×10^7 rad
- In suppression pool: 3.7×10^6 rad

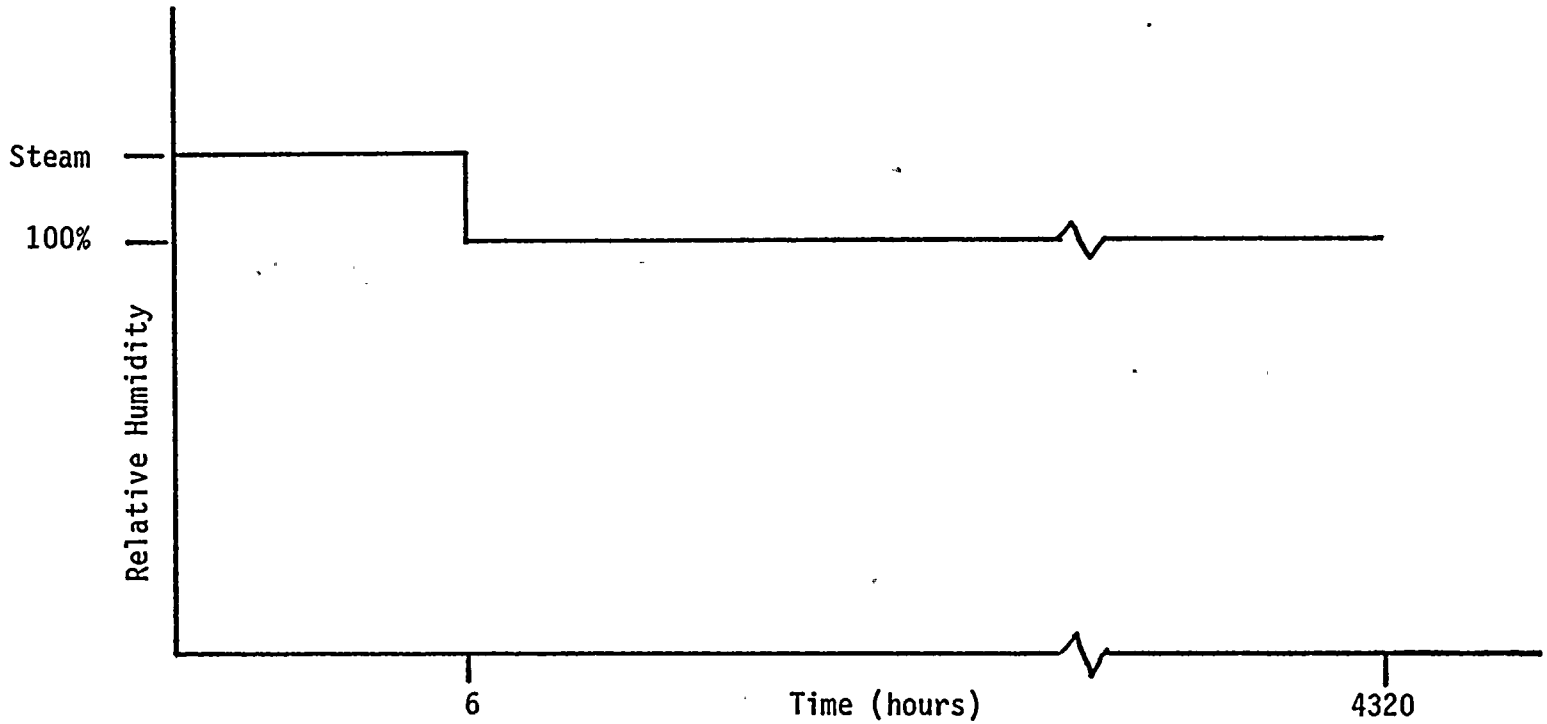
REACTOR BUILDING SERVICE CONDITIONS DUE TO A LOCA IN PRIMARY CONTAINMENT

Temperature: Profile 4

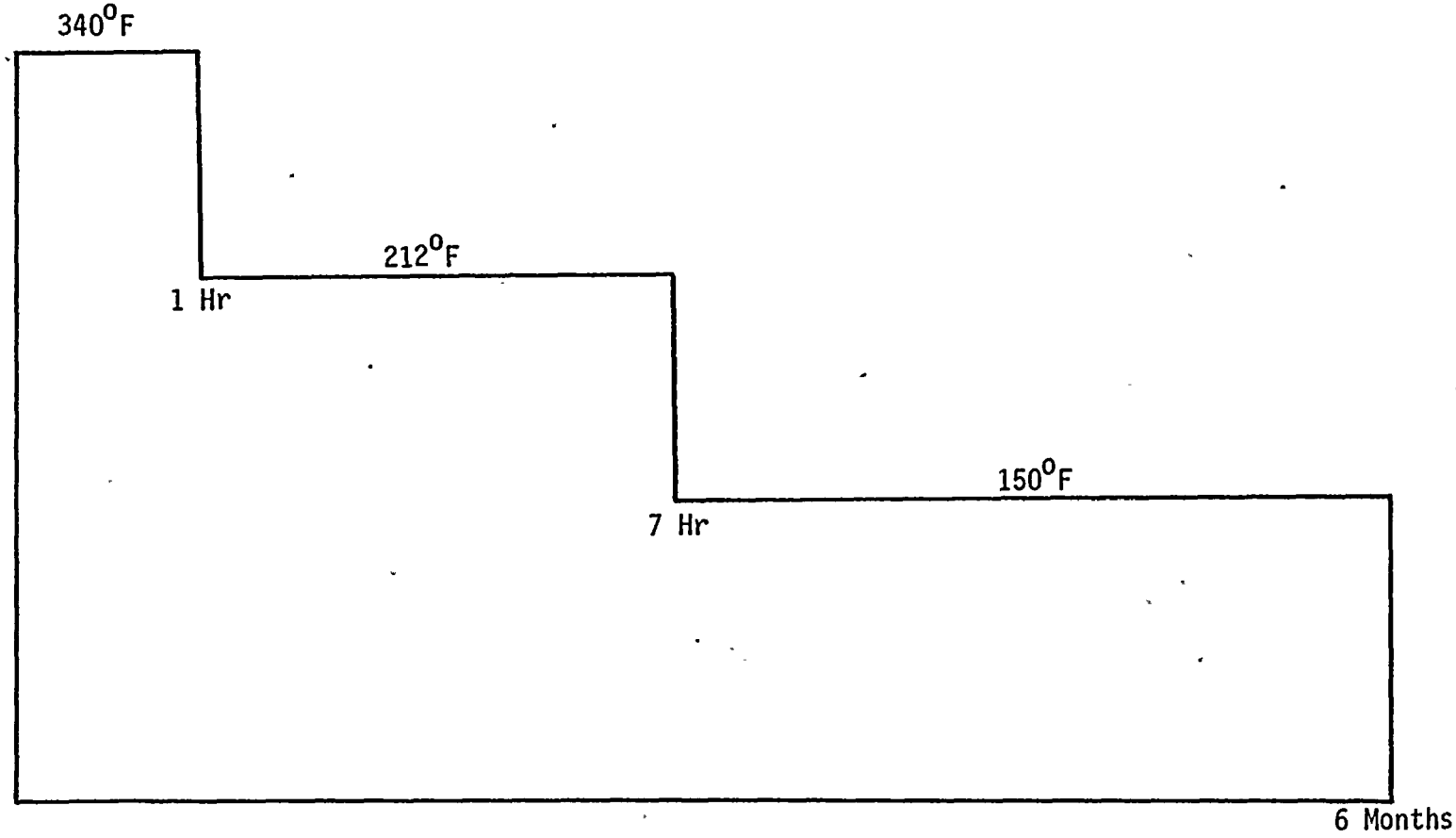
Pressure: 14.7 psia

Relative Humidity: Profile 4

Radiation: The radiation dose depends on the equipment locations. The zone maps on the following pages give the worst equipment doses. Note that these are 6-month integrated doses.

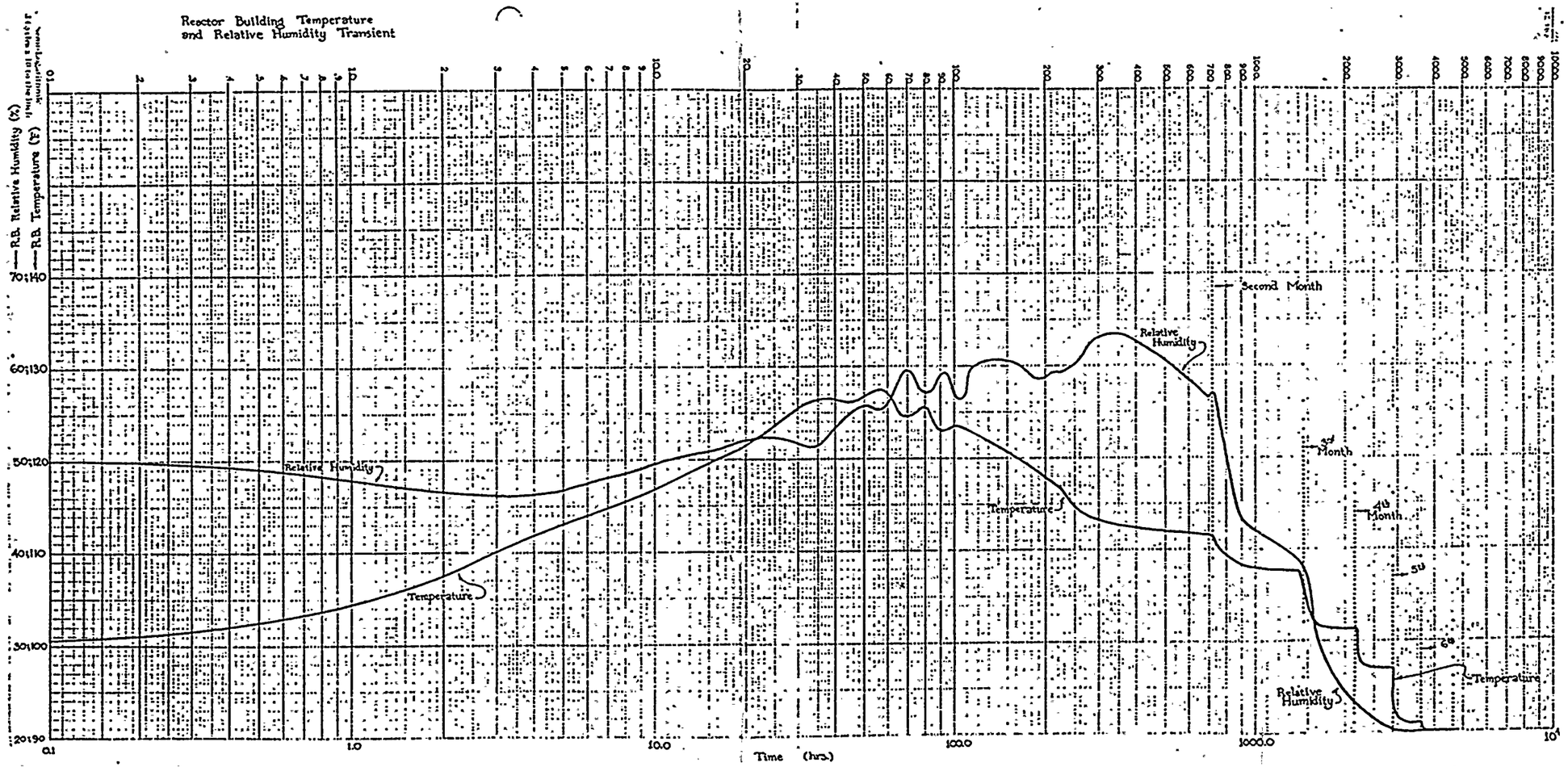


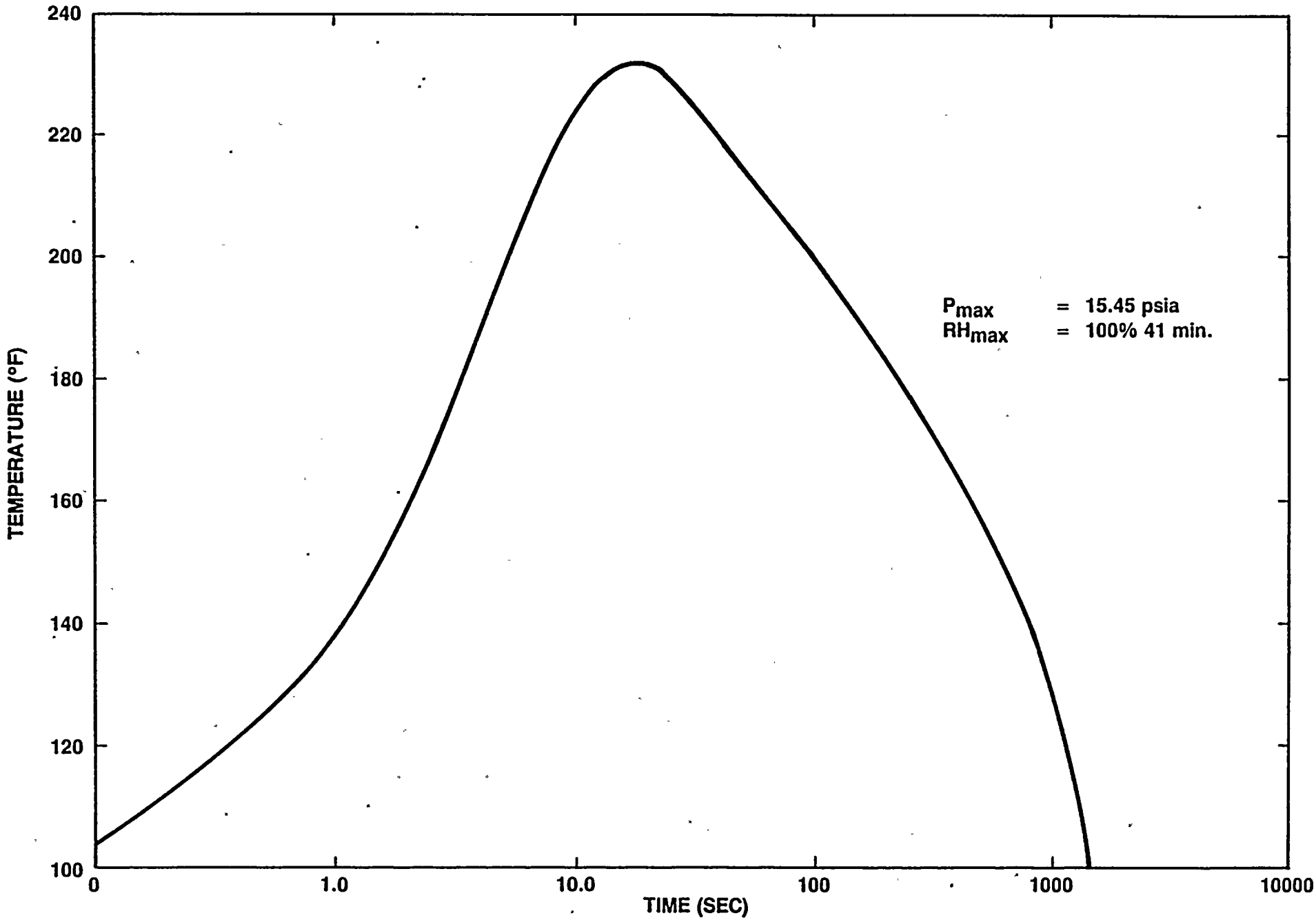
Profile 2 - RELATIVE HUMIDITY IN PRIMARY CONTAINMENT DUE TO LOCA/HELB



PROFILE 3. MSLB IN STEAM TUNNEL.
RESPONSE IN STEAM TUNNEL.

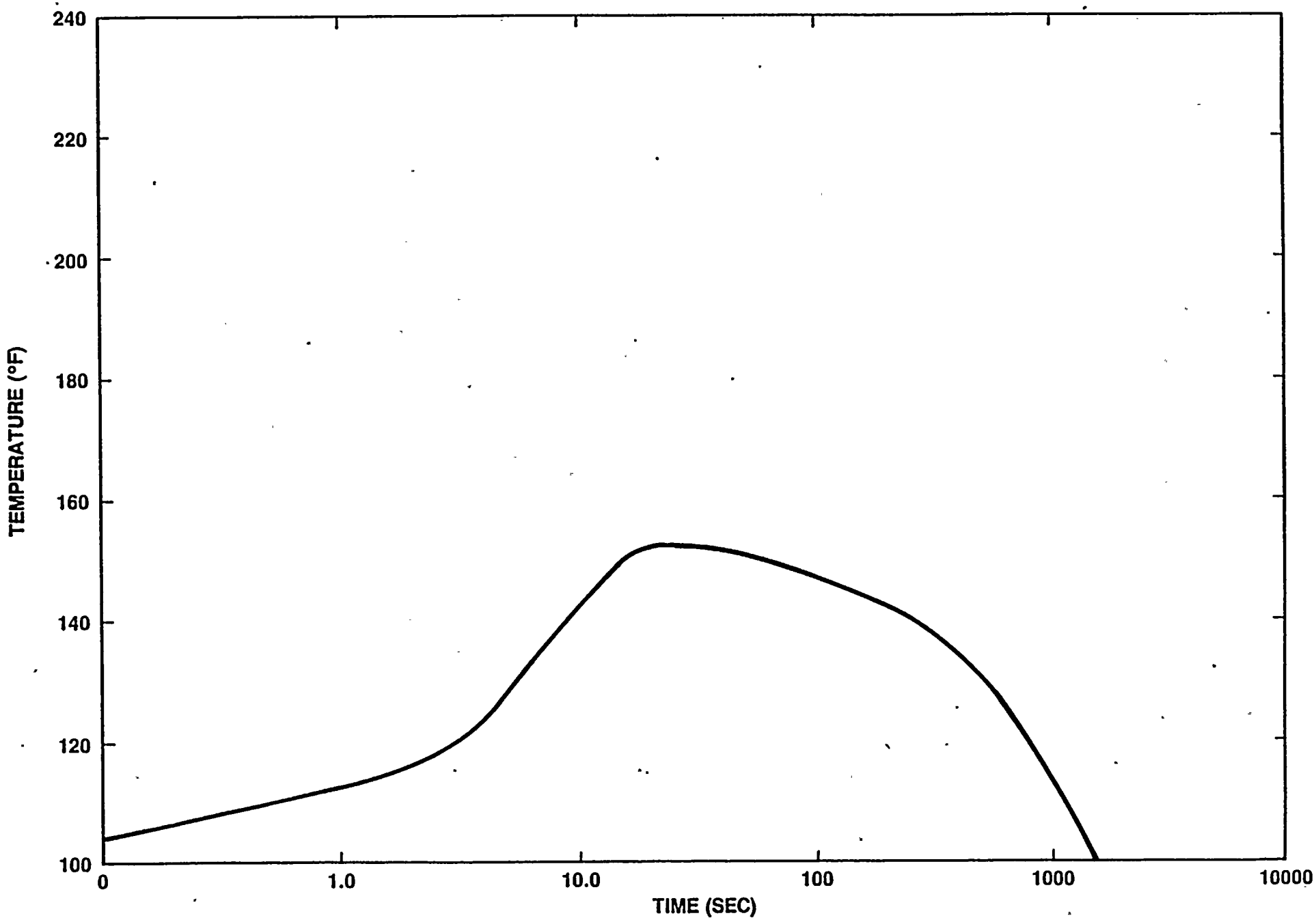
PROFILE 4 REACTOR BUILDING SERVICE
CONDITIONS DUE TO A LOCA IN PRIMARY CONTAINMENT





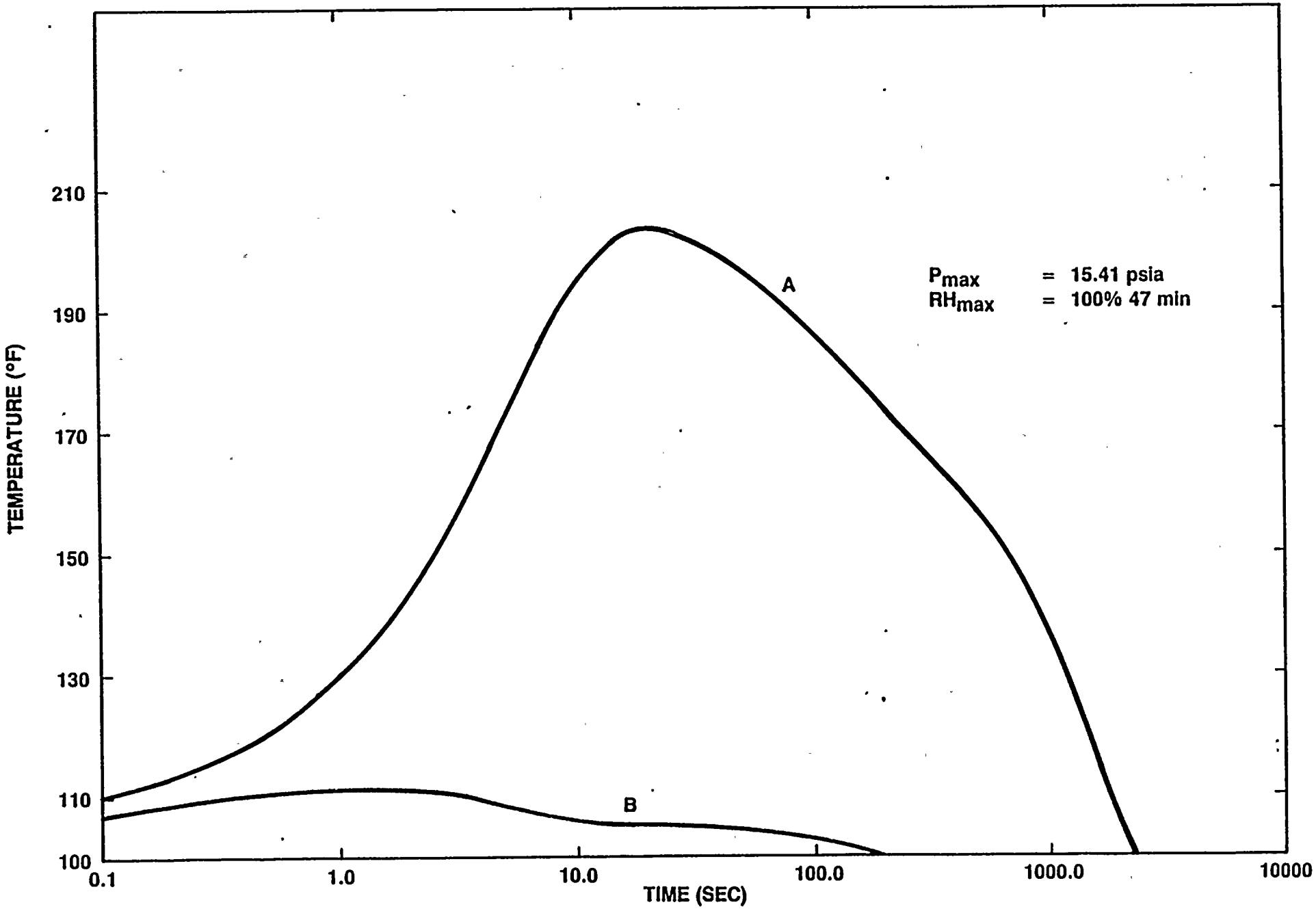
PROFILE 5. 4" RCIC LINE BREAK IN RCIC PUMP ROOM (EL 422). RESPONSE IN RCIC PUMP ROOM (EL 422).

821772-17A



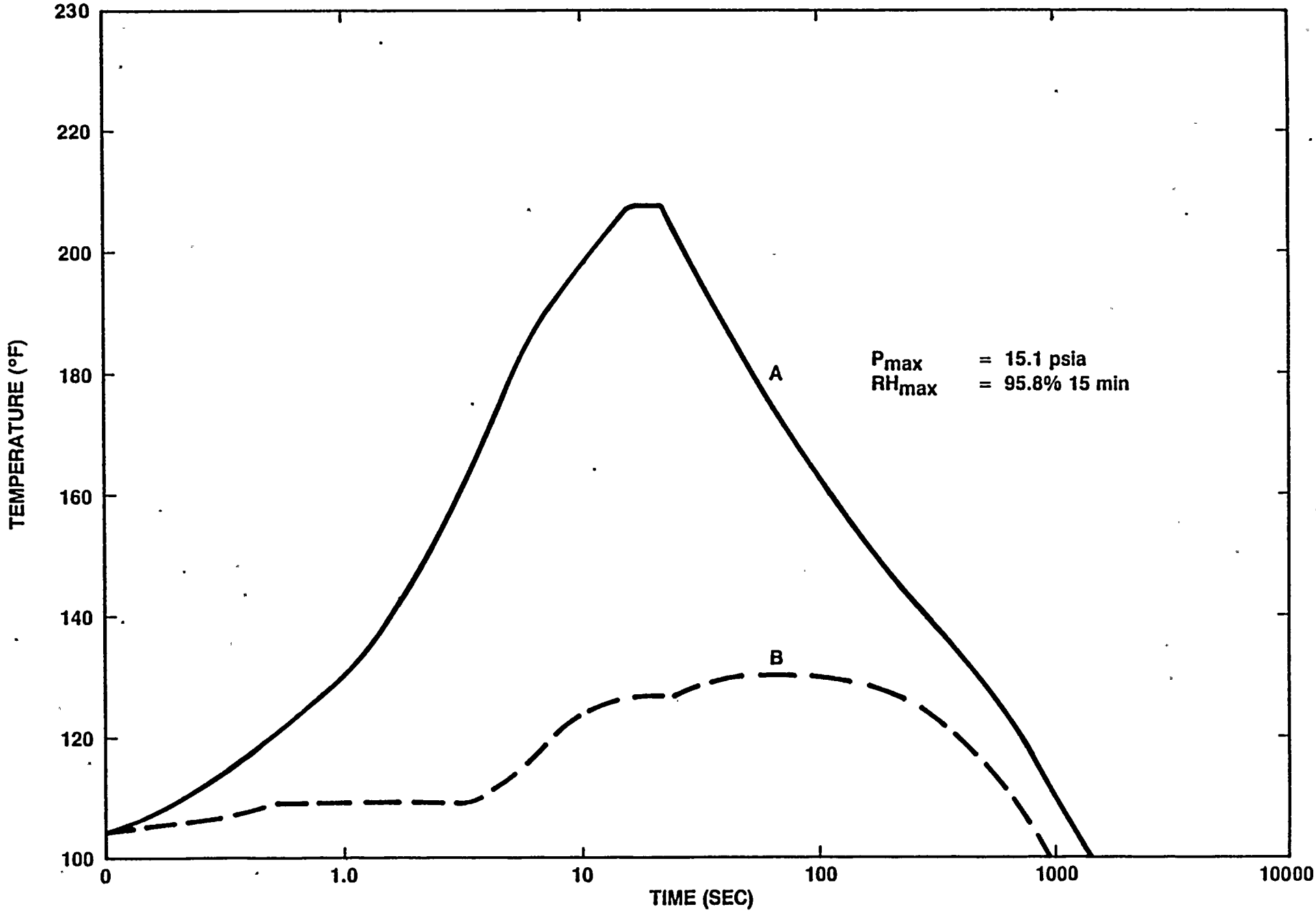
PROFILE 6. 4" RCIC LINE BREAK IN RCIC PUMP ROOM (EL 422). RESPONSE IN ROOM ABOVE RCIC PUMP ROOM (EL 444).

B21772-16A



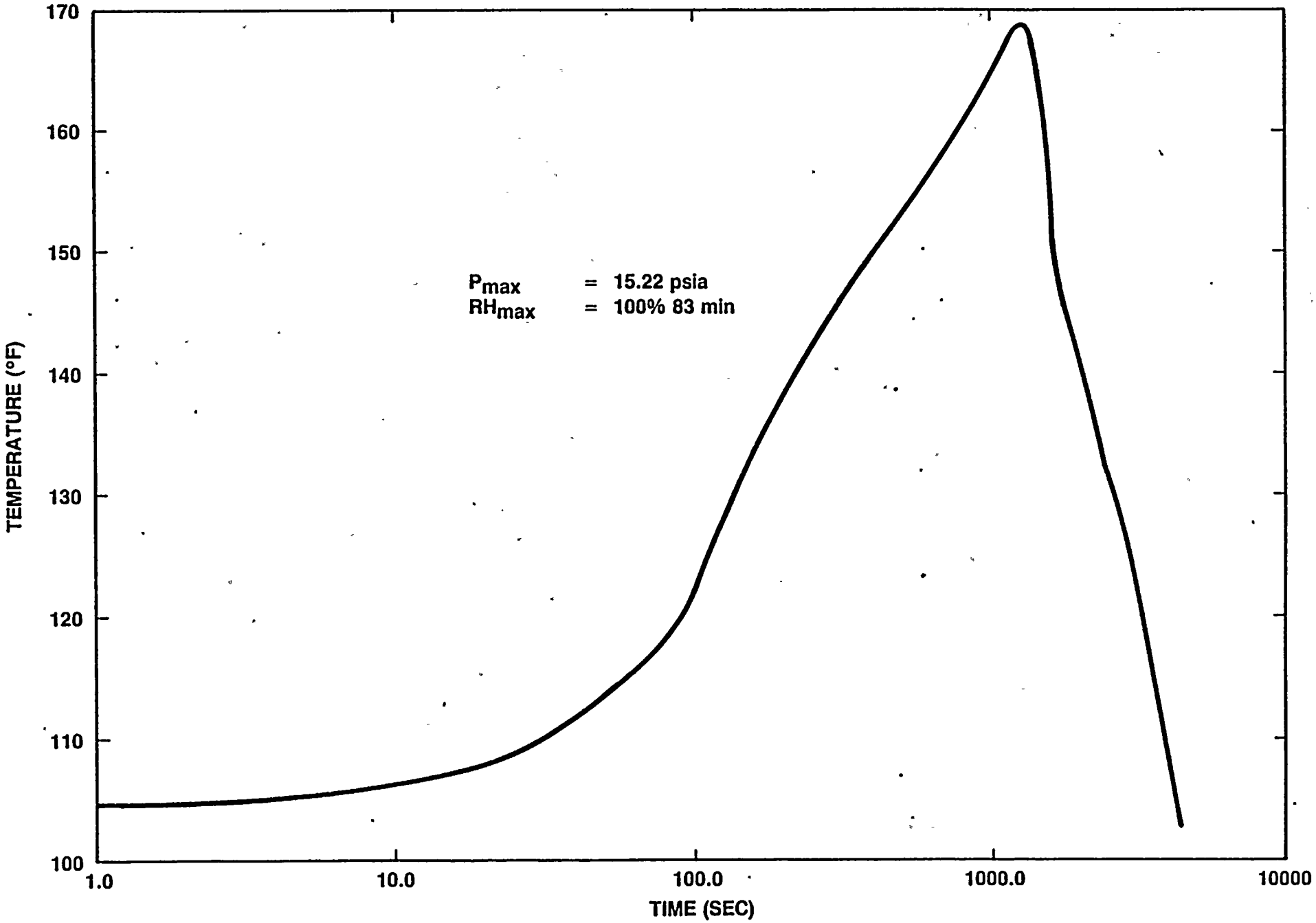
PROFILE 7. BREAK OF 4" RCIC LINE IN ROOM ABOVE RCIC PUMP ROM (EL 444). RESPONSE IN ROOM ABOVE RCIC PUMP ROOM (EL 444) (A) AND RCIC PUMP ROOM (EL 422) (B).

821772 26A



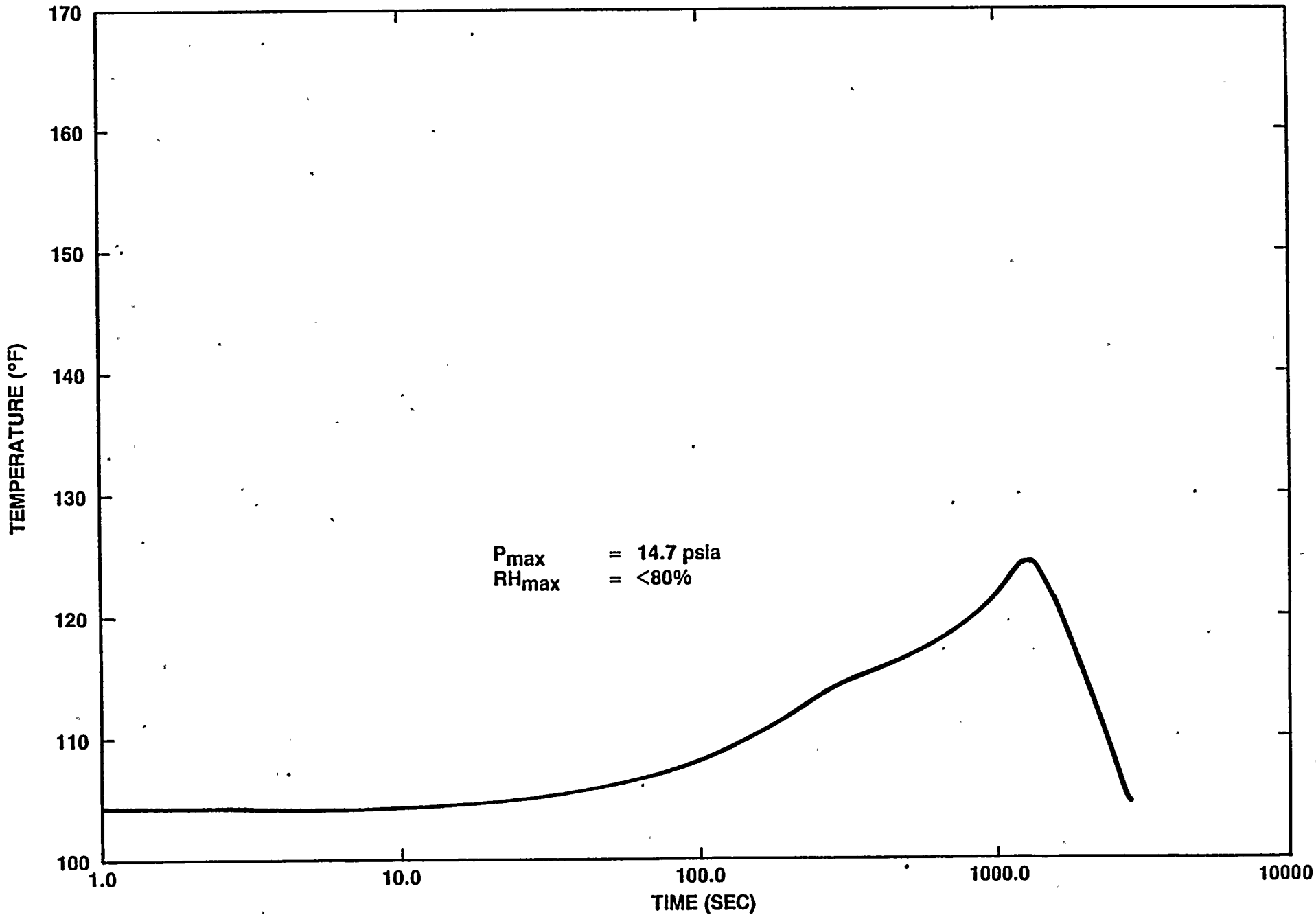
PROFILE 8. BREAK OF 4" RCIC LINE IN ROOM ABOVE RHR PUMP 2C ROOM (EL 444). RESPONSE IN ROOM ABOVE RHR PUMP 2C ROOM (EL 444) (A) AND RHR PUMP 2C ROOM (EL 422) (B).

821772 1A



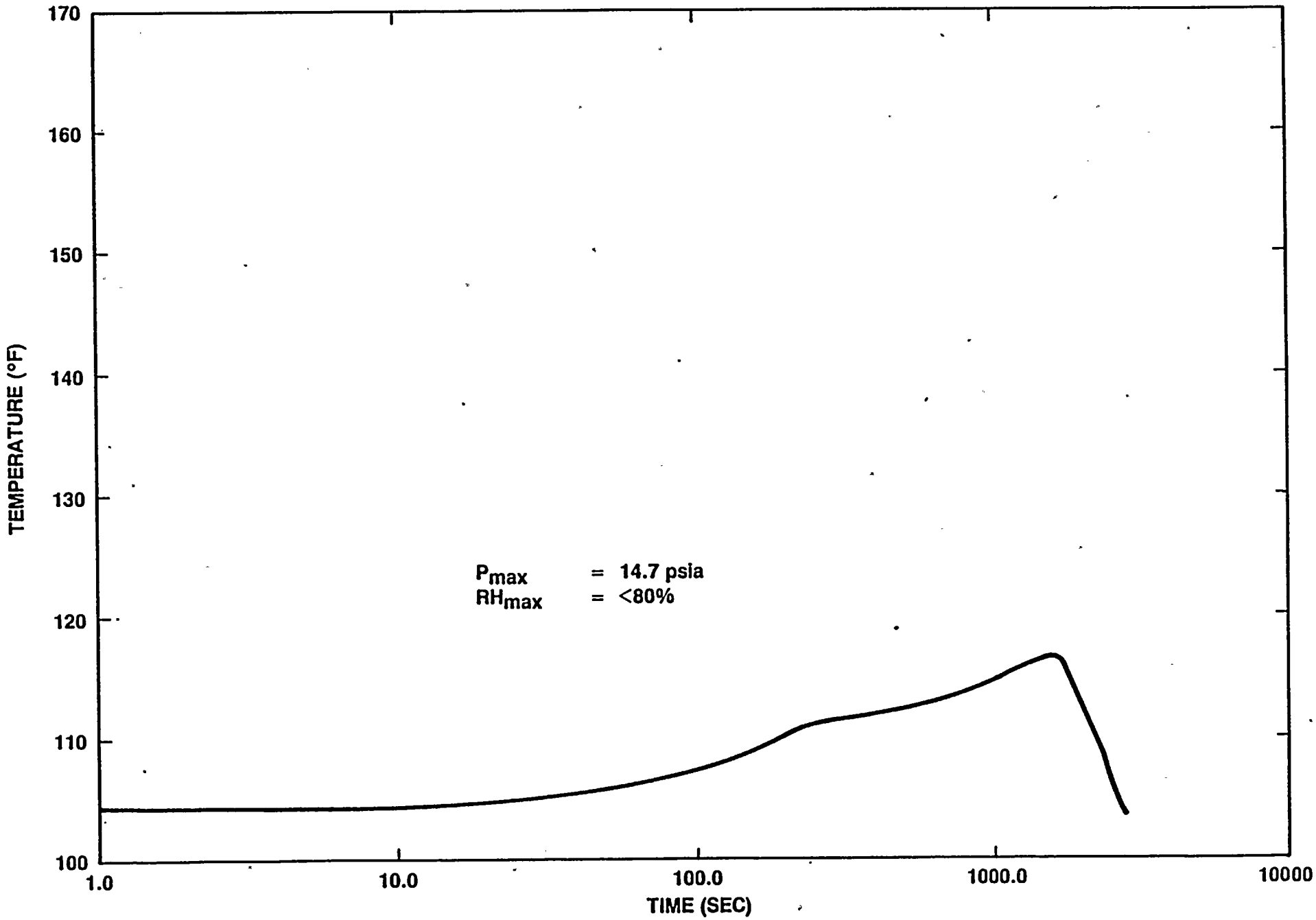
PROFILE 9. 4″ AS LINE BREAK IN THE SOUTHEAST OPEN FLOOR AREA (EL 471). RESPONSE IN ALL OPEN FLOOR AREA (EL 471).

821772-27A



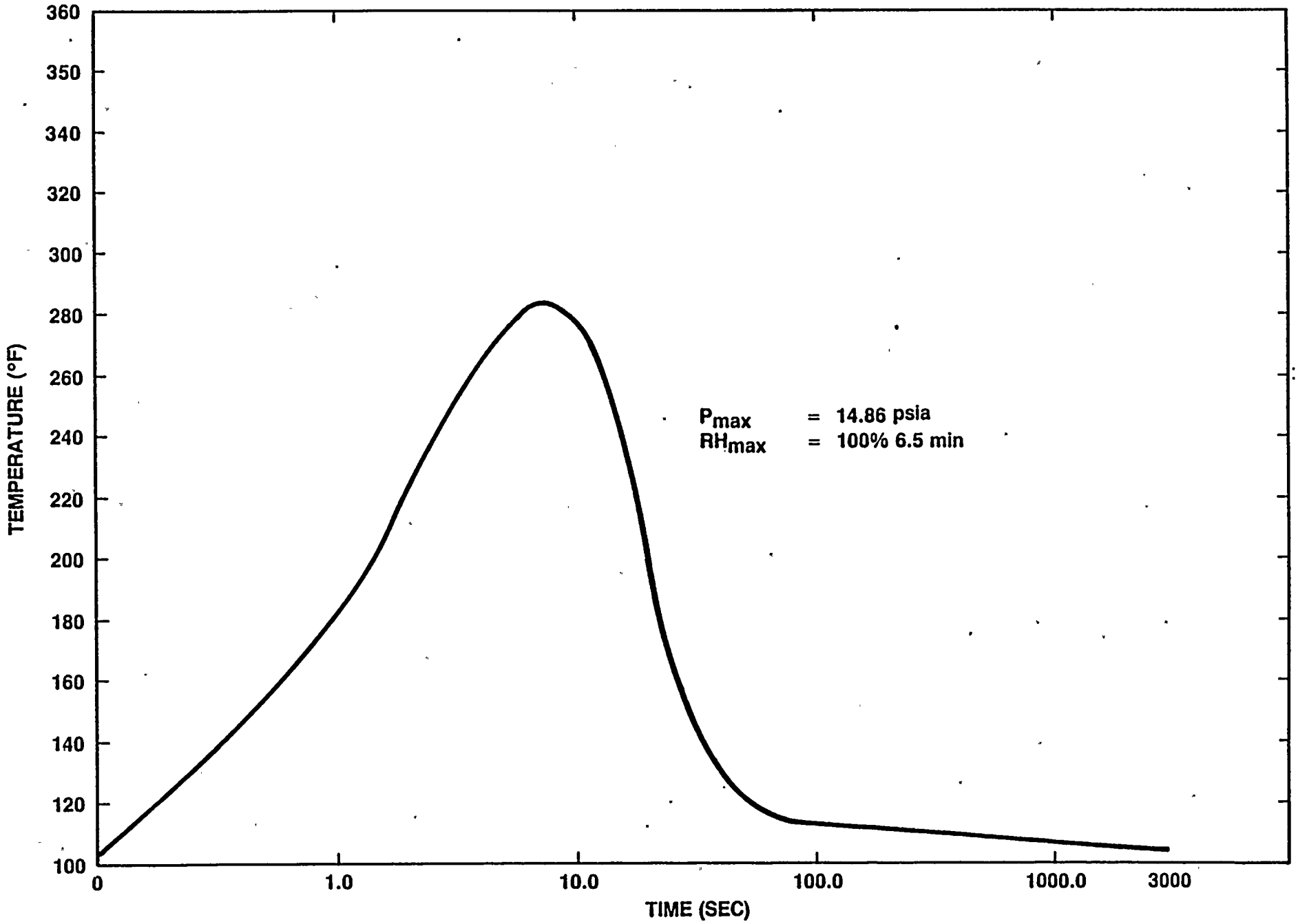
PROFILE 10. 4" AS LINE BREAK IN THE SOUTHEAST OPEN FLOOR AREA (EL 471). RESPONSE IN ALL OPEN FLOOR AREA (EL 501).

821772-19A



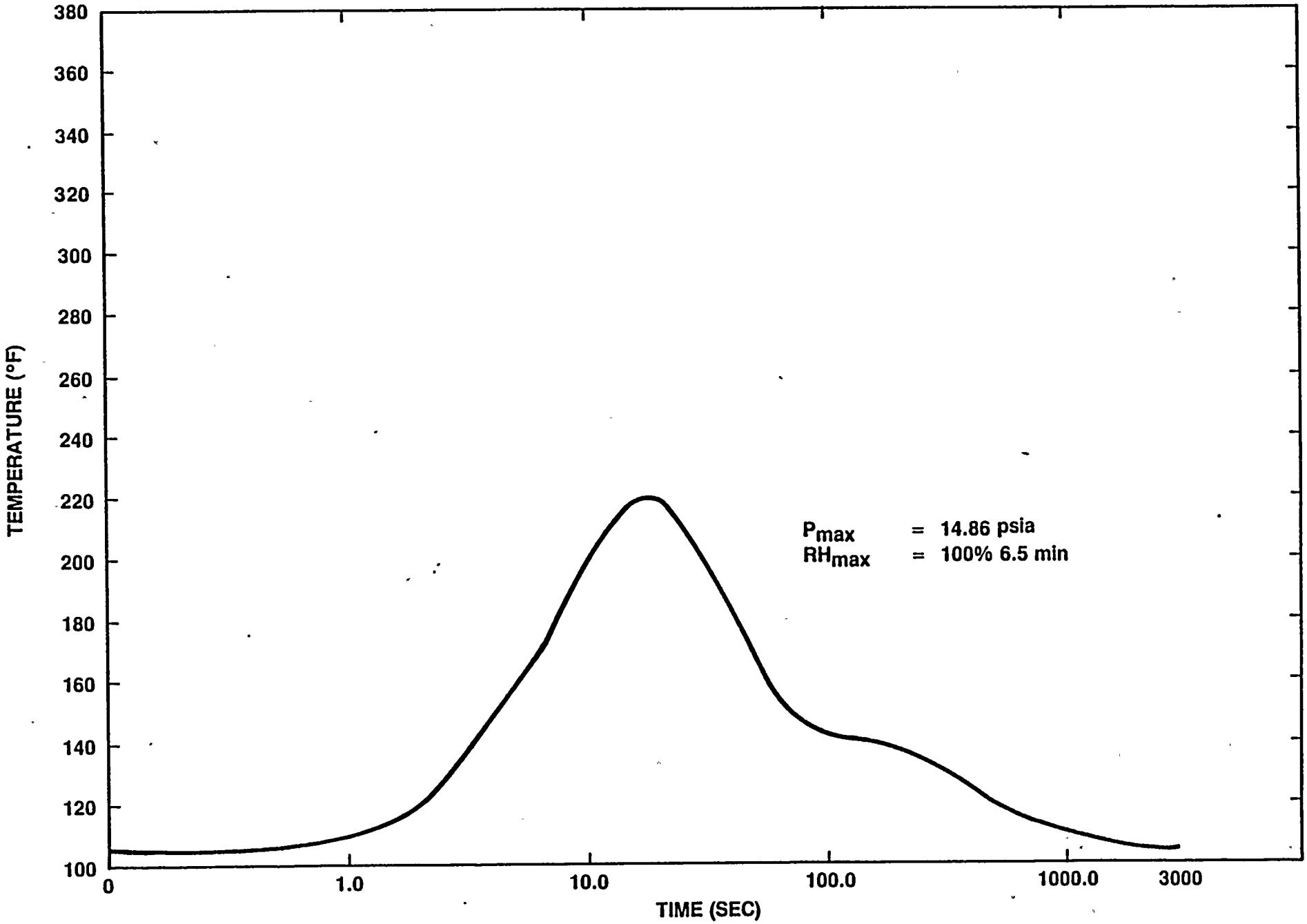
PROFILE 11. 4" AS LINE BREAK IN THE SOUTHEAST OPEN FLOOR AREA (EL 471). RESPONSE IN ALL OPEN FLOOR AREA (EL 522).

821772-18A



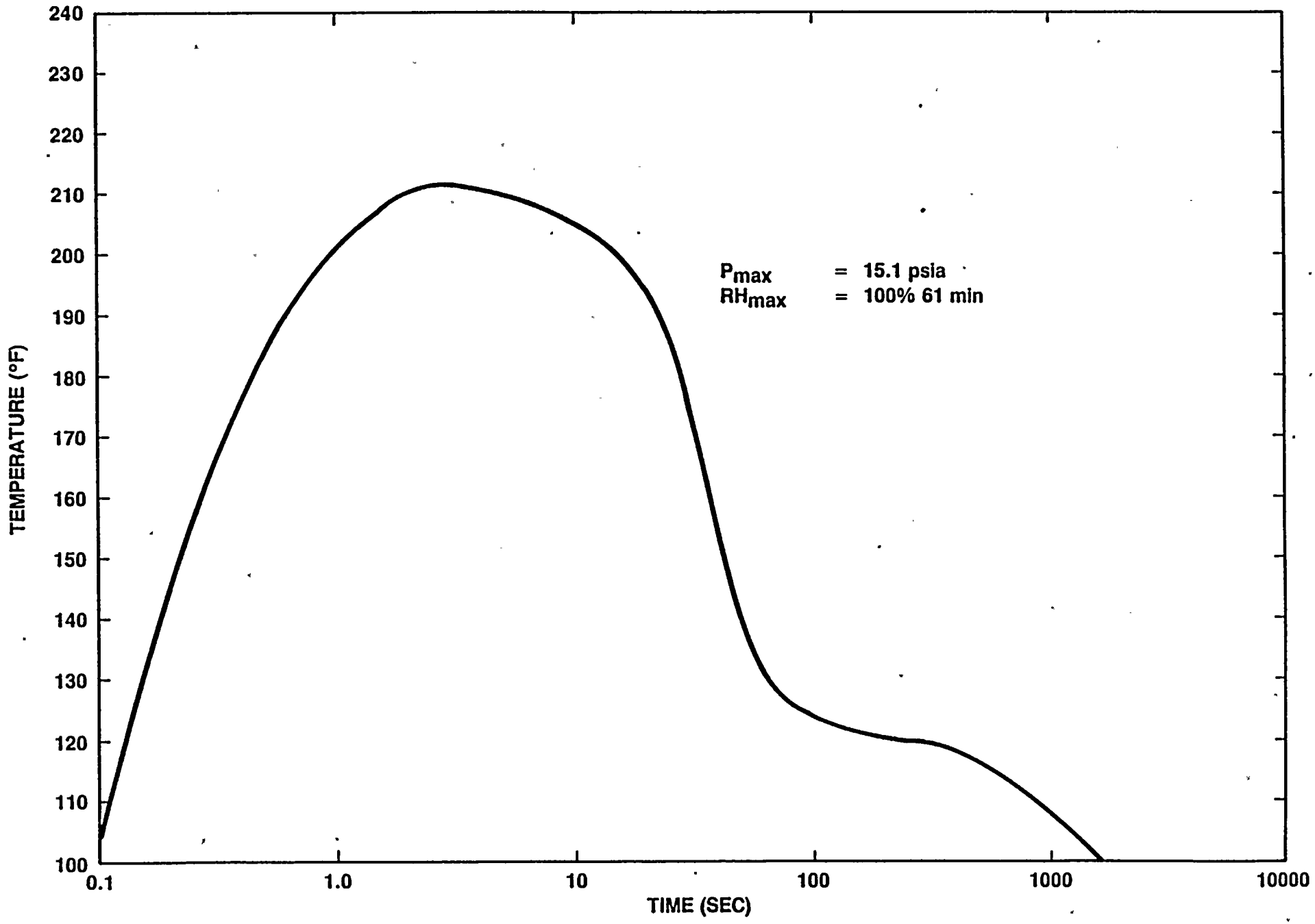
PROFILE 12. 4" RCIC LINE BREAK IN T.I.P. ROOM (EL 501). RESPONSE IN T.I.P. ROOM (EL 501).

821772 4A



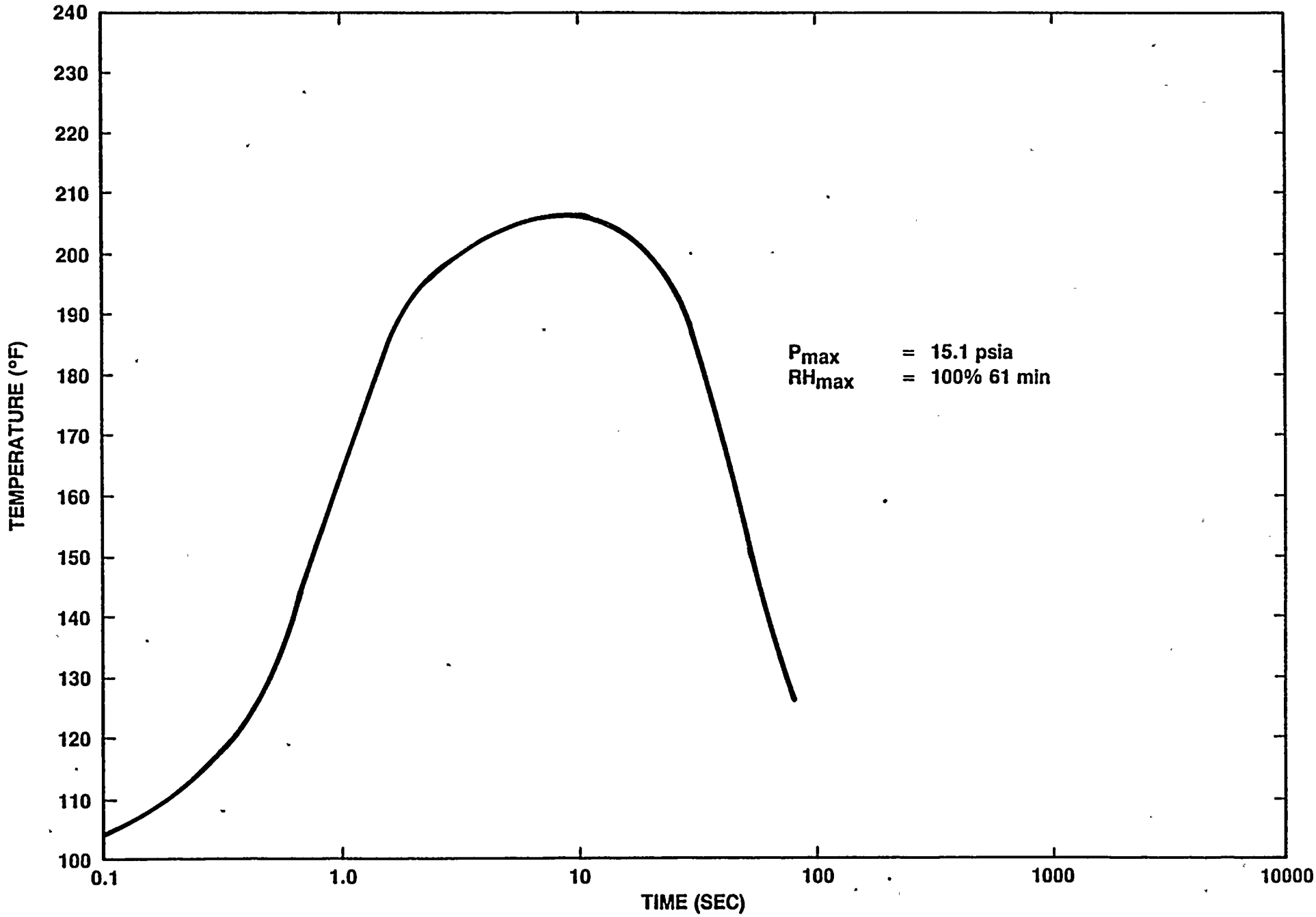
PROFILE 13. . 4" RCIC LINE BREAK IN T.I.P. ROOM (EL 501). RESPONSE IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5).

821772-28A



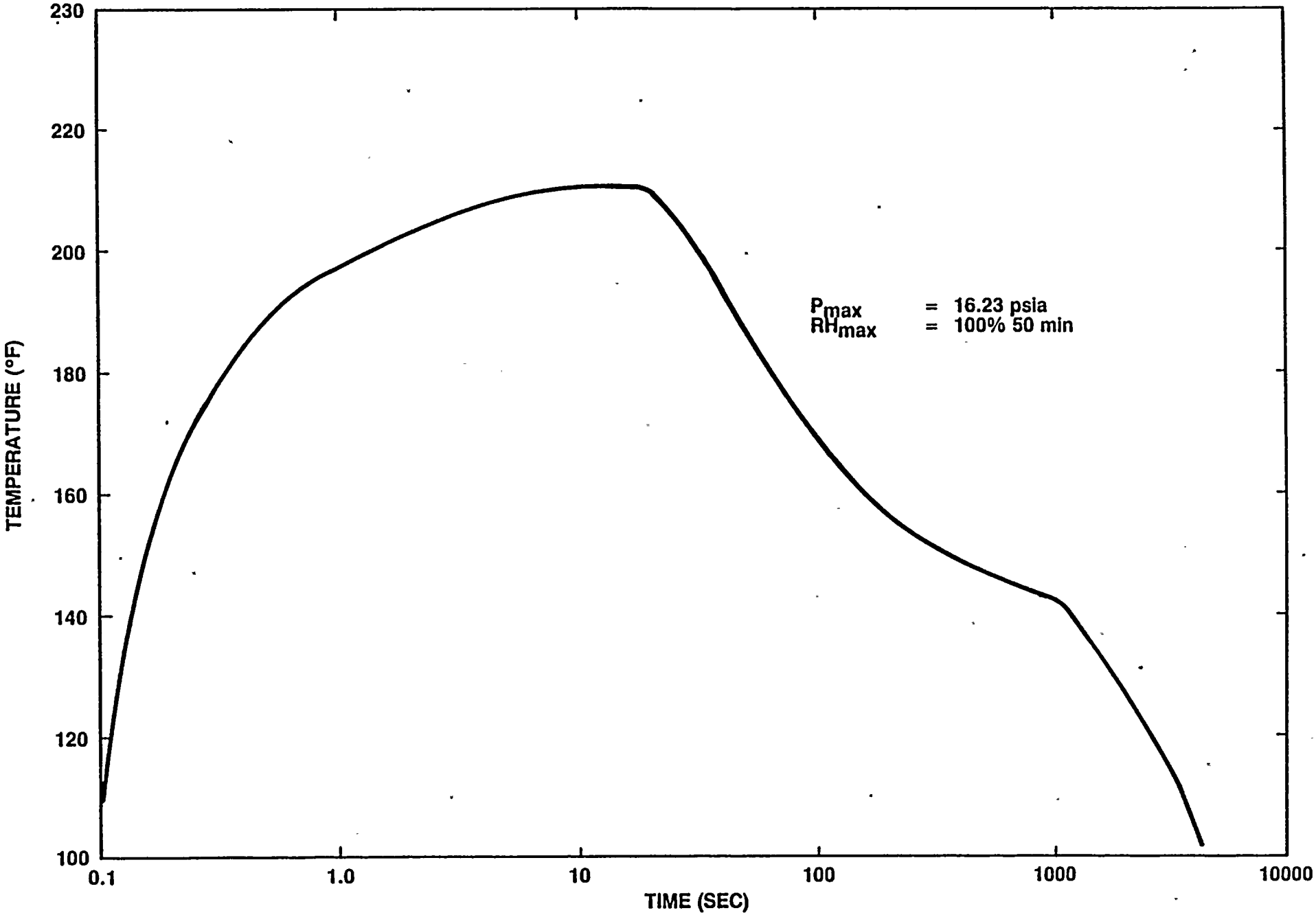
PROFILE 14. 6″ RWCU LINE BREAK IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5). RESPONSE IN VALVE ROOM ABOVE T.I.P. ROOM (EL 501).

821772-9A



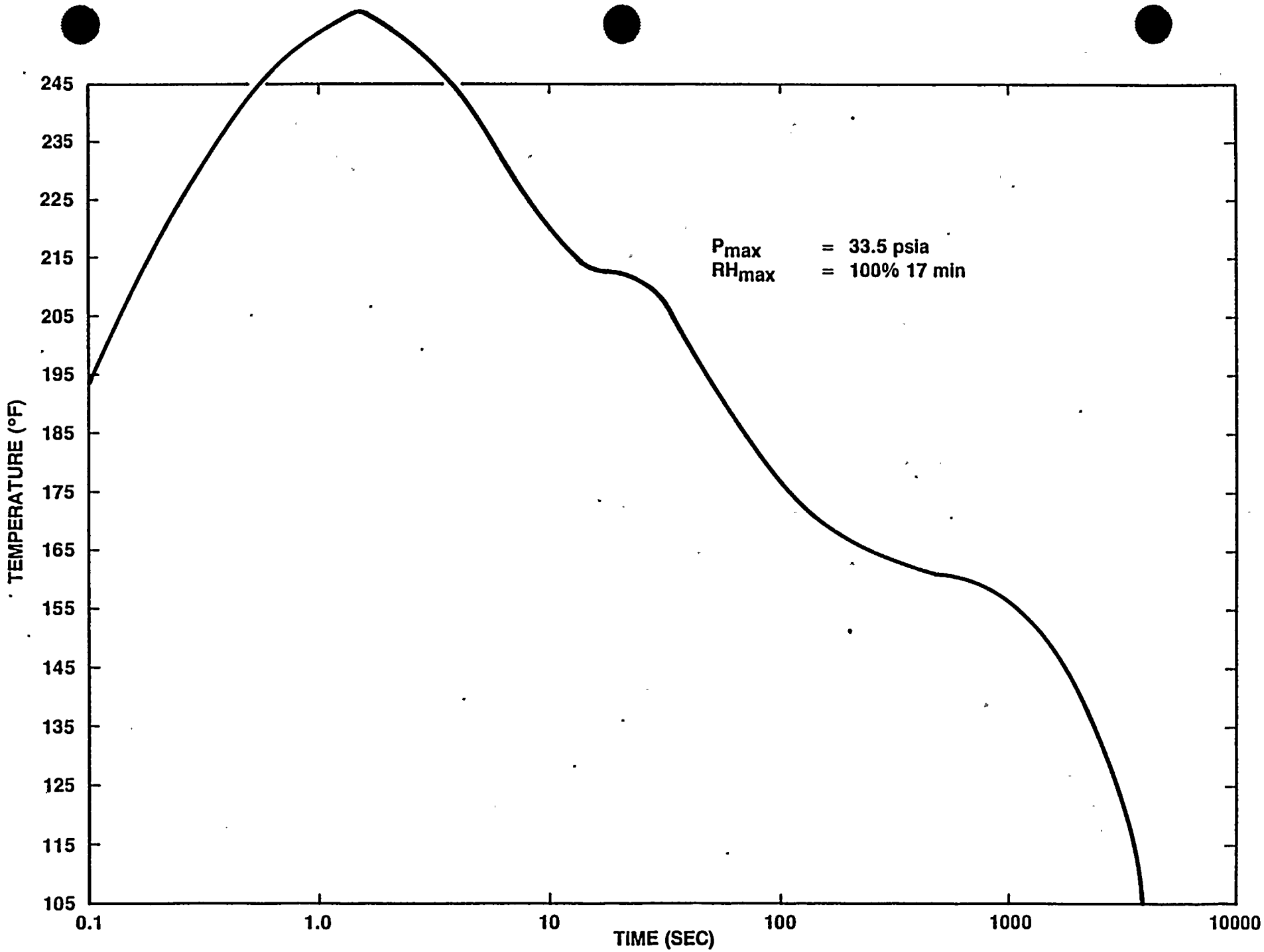
PROFILE 15. 6″ RWCU LINE BREAK IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5). RESPONSE IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5).

821772-10A



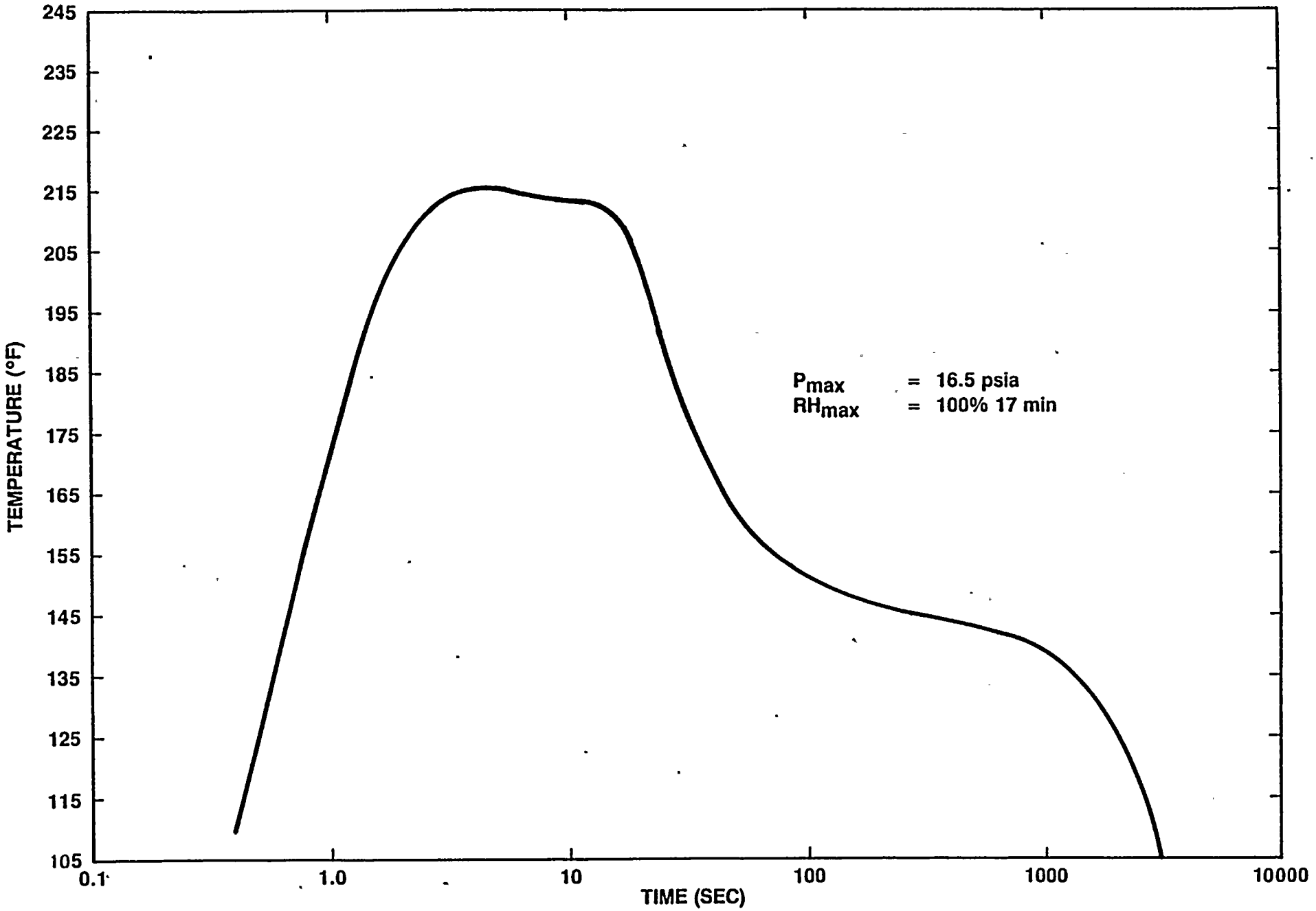
PROFILE 16. 6" RWCU LINE BREAK IN THE VALVE ROOM NORTH OF CONTAINMENT (EL 522). RESPONSE IN THE VALVE ROOM NORTH OF CONTAINMENT (EL 522).

821772 24A



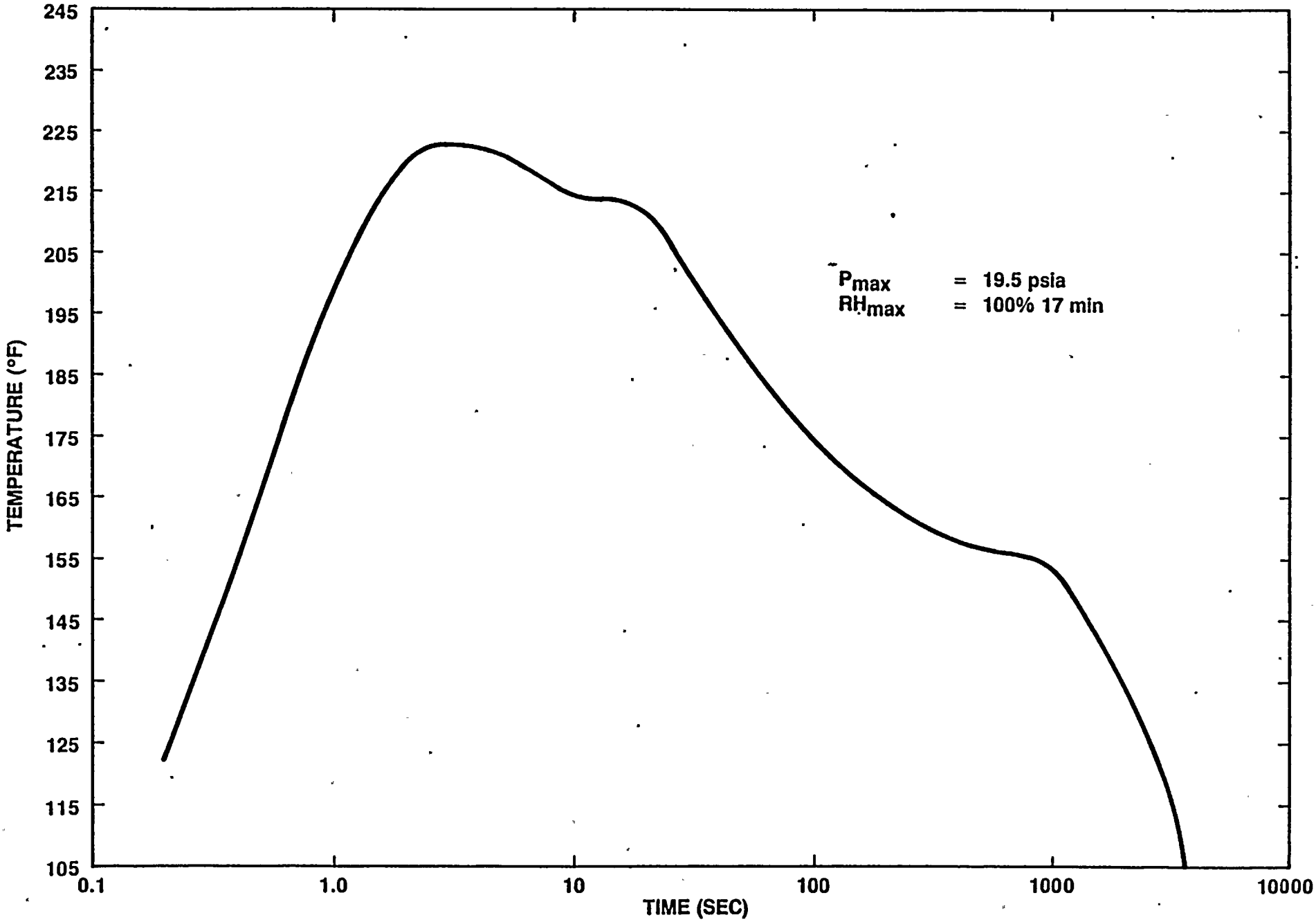
PROFILE 17. 4" RWCU LINE BREAK IN RWCU PUMP ROOMS (EL 522). RESPONSE IN RWCU PUMP ROOMS (EL 522).

821772-12A



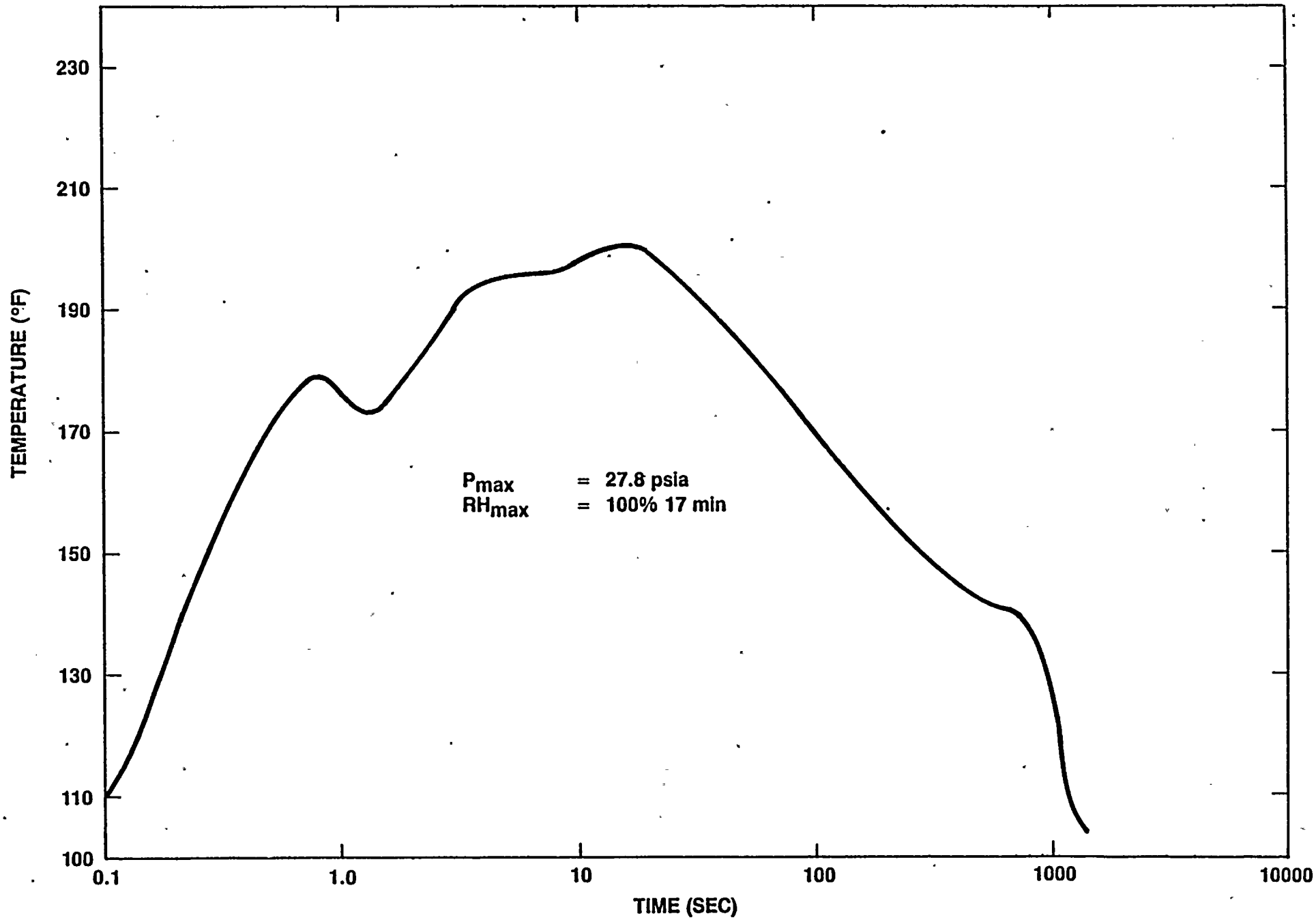
PROFILE 18. 4" RWCU LINE BREAK IN RWCU PUMP ROOMS (EL 522). RESPONSE IN VALVE ROOM SOUTH OF CONTAINMENT (EL 522).

821772-11A



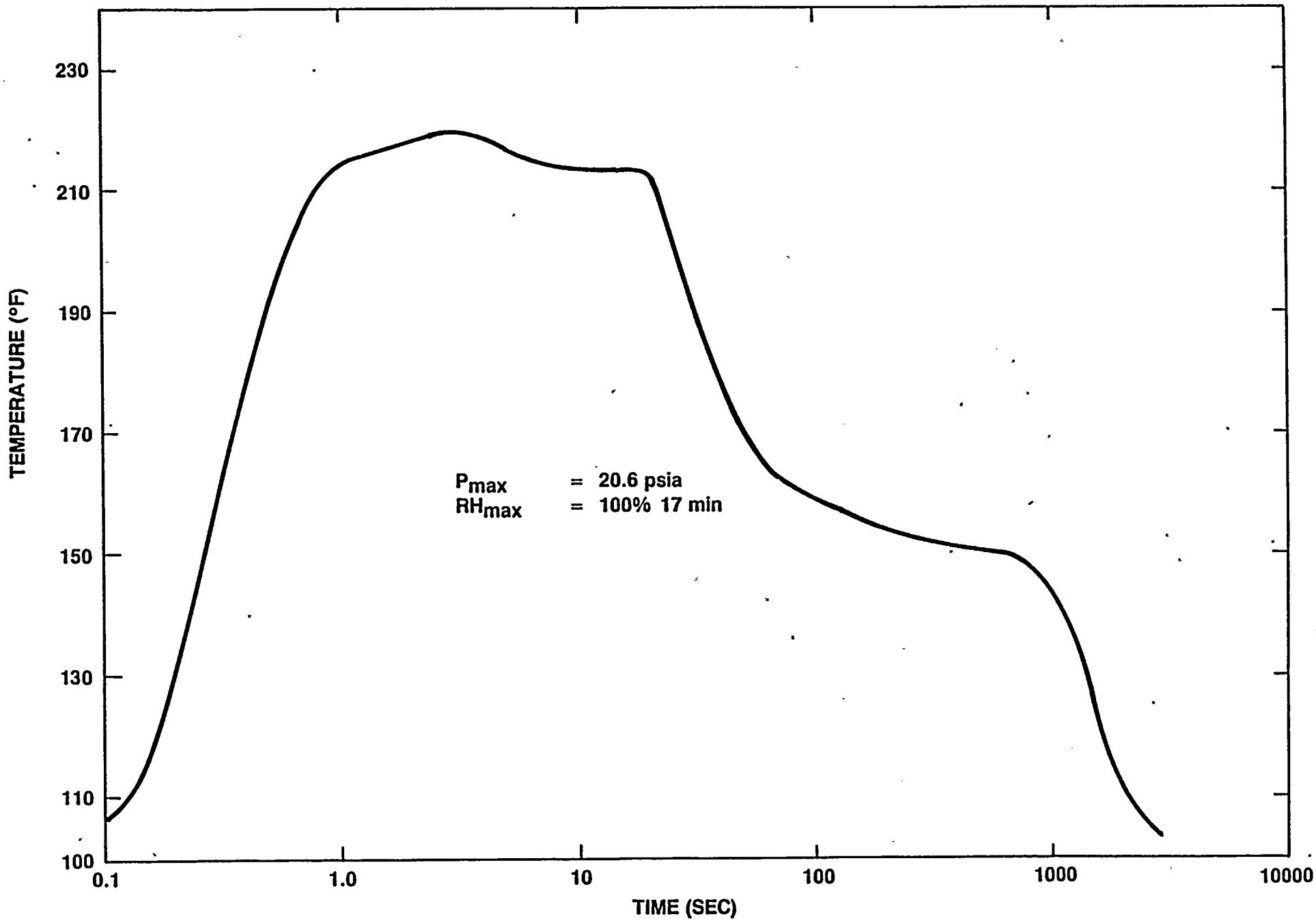
PROFILE 19. 4" RWCU LINE BREAK IN RWCU PUMP ROOMS (EL 522). RESPONSE IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535).

821772-7A



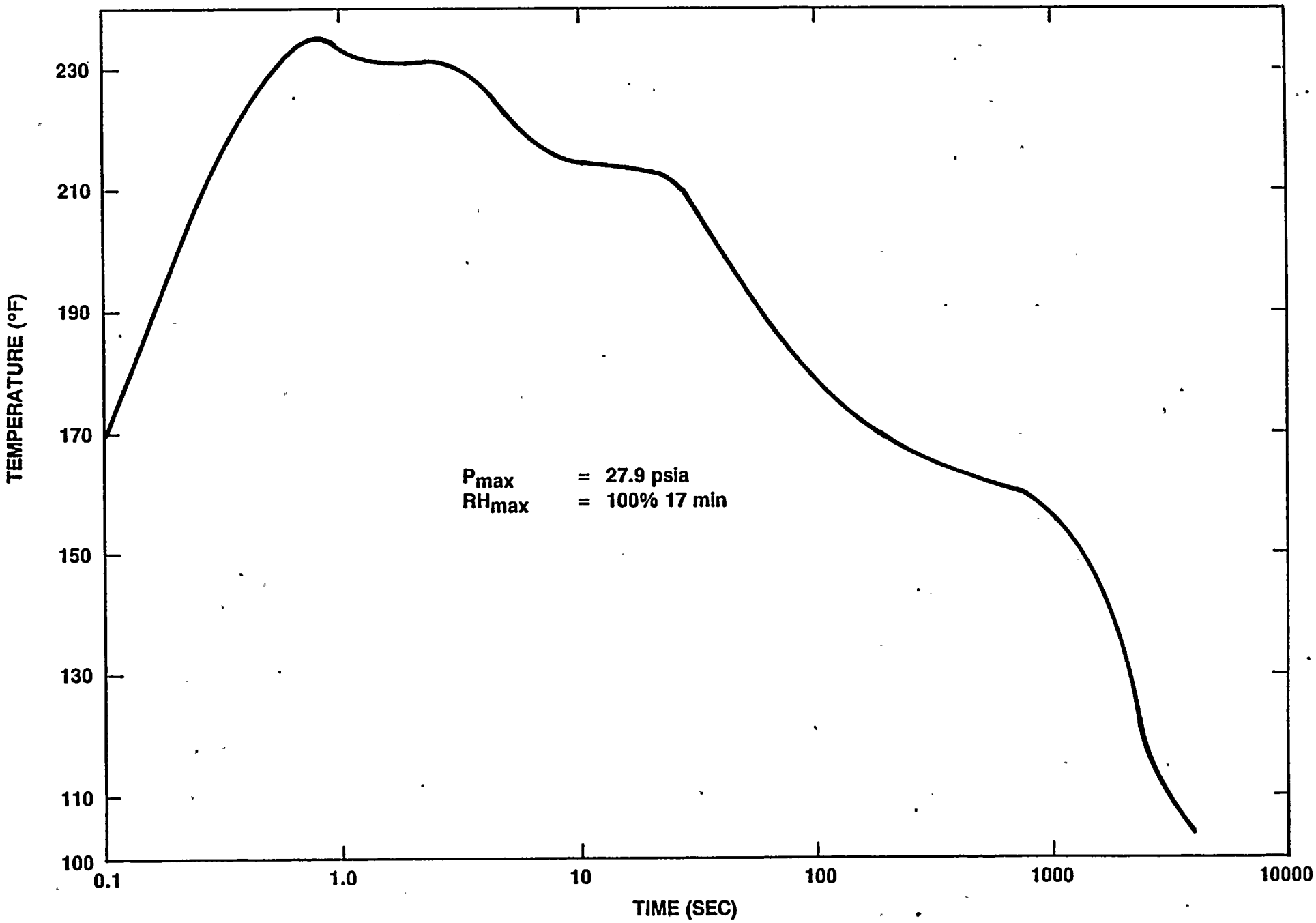
PROFILE 20. 6″ RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535). RESPONSE IN RWCU PUMP ROOMS (EL 522).

821772-6A



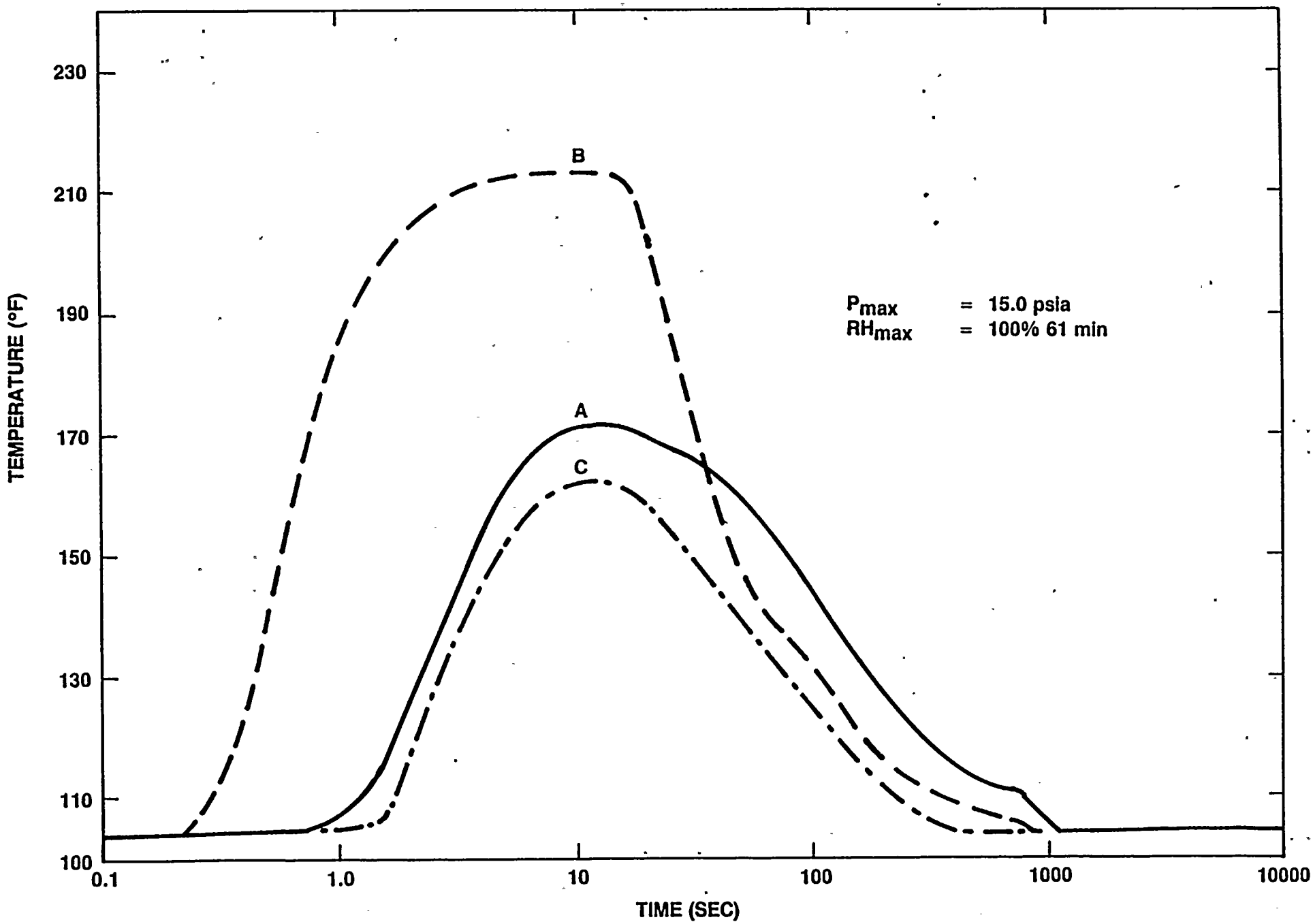
PROFILE 21. 6″ RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535). RESPONSE IN VALVE ROOM SOUTH OF CONTAINMENT (EL 522).

621772-25A



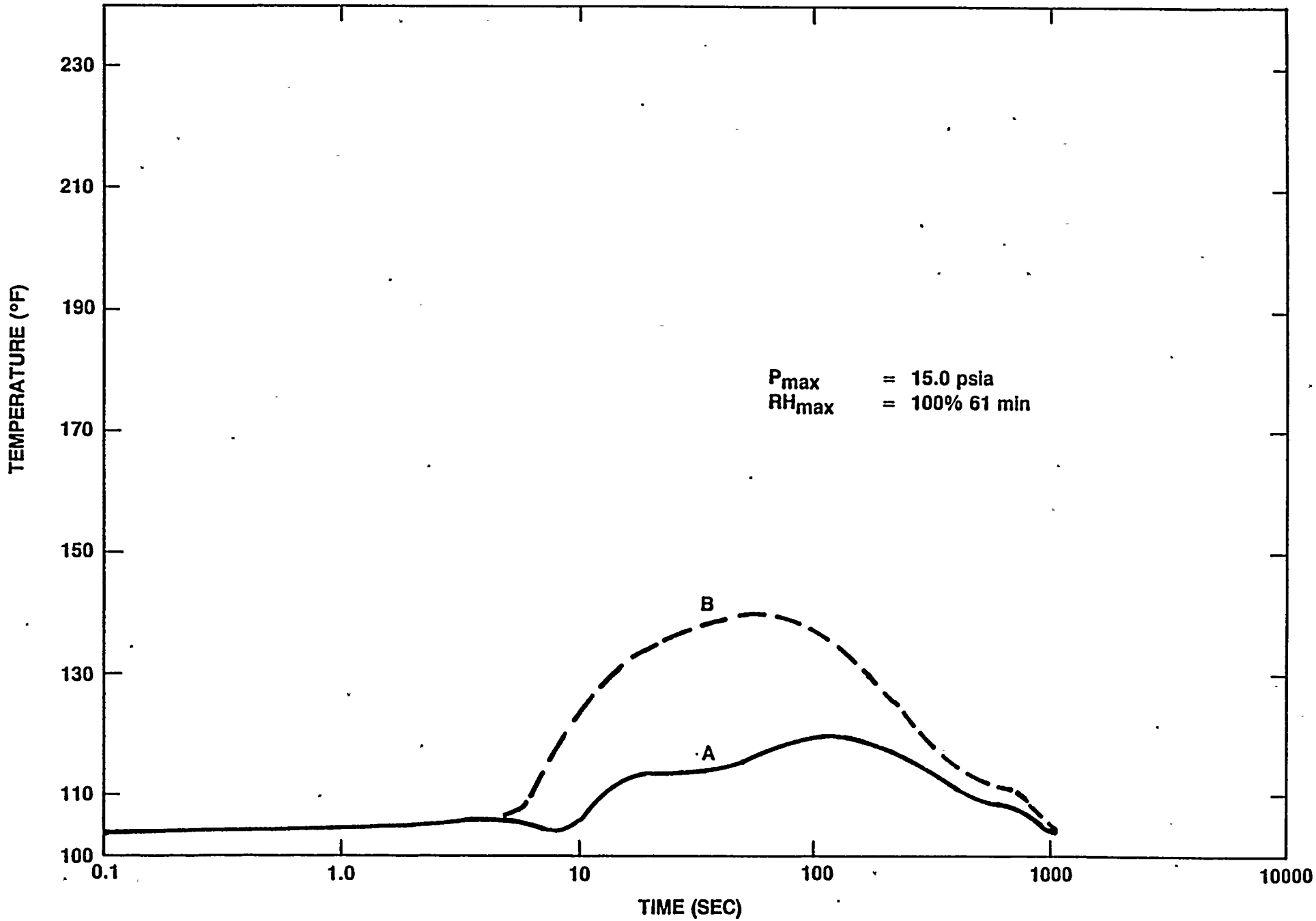
PROFILE 22. 6″ RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535). RESPONSE IN VALVE ROOM ABOVE PUMP ROOMS (EL 535).

821772-5A



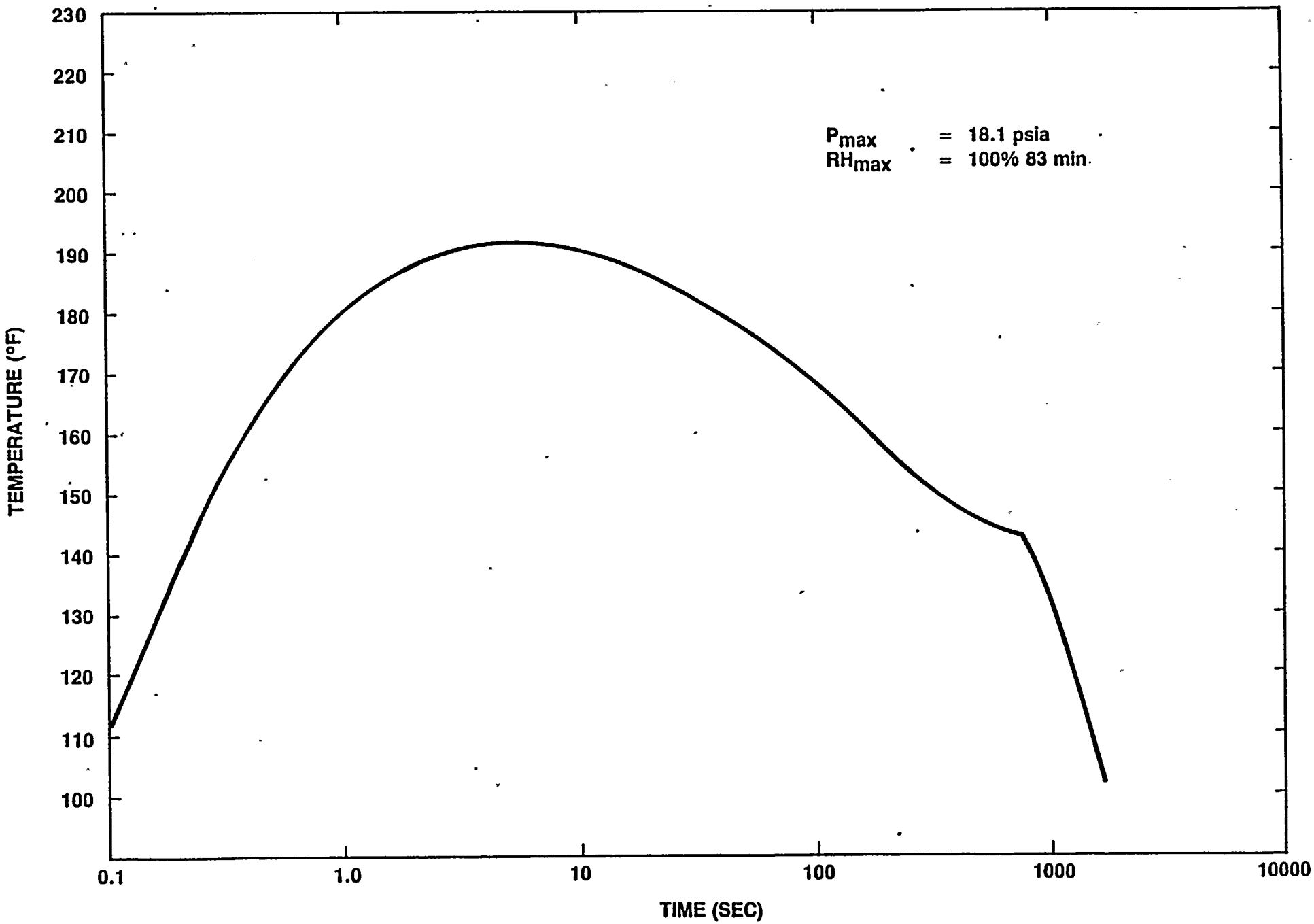
PROFILE 23. 6″ RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535). RESPONSE IN SOUTHEAST (A), SOUTH (B), SOUTHWEST (C) AREAS (EL 522).

821772-2A



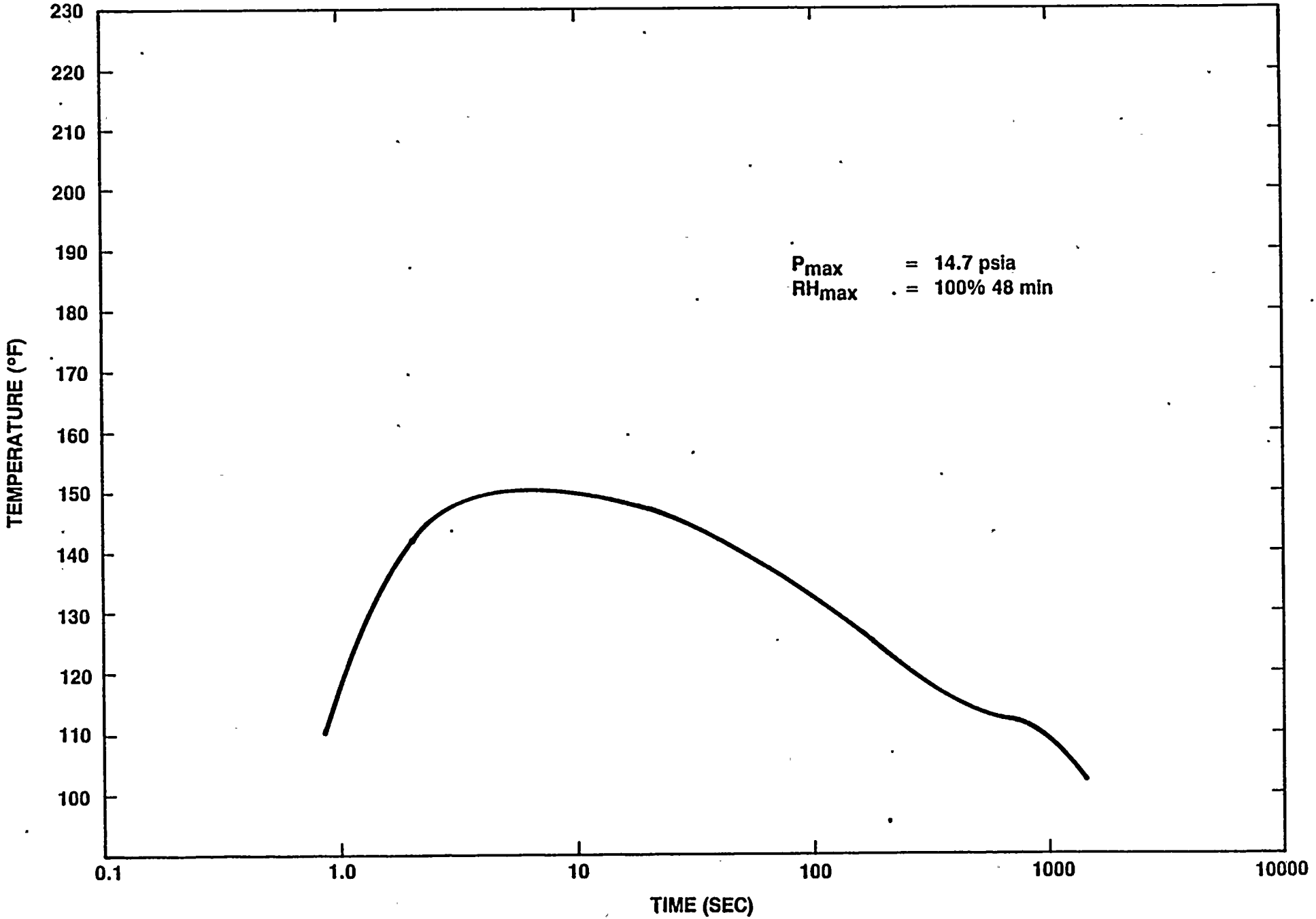
PROFILE 24. 6″ RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535). RESPONSE IN CRD EAST (A), CRD EAST WALKWAY (B) AREAS (EL 522).

621772-3A



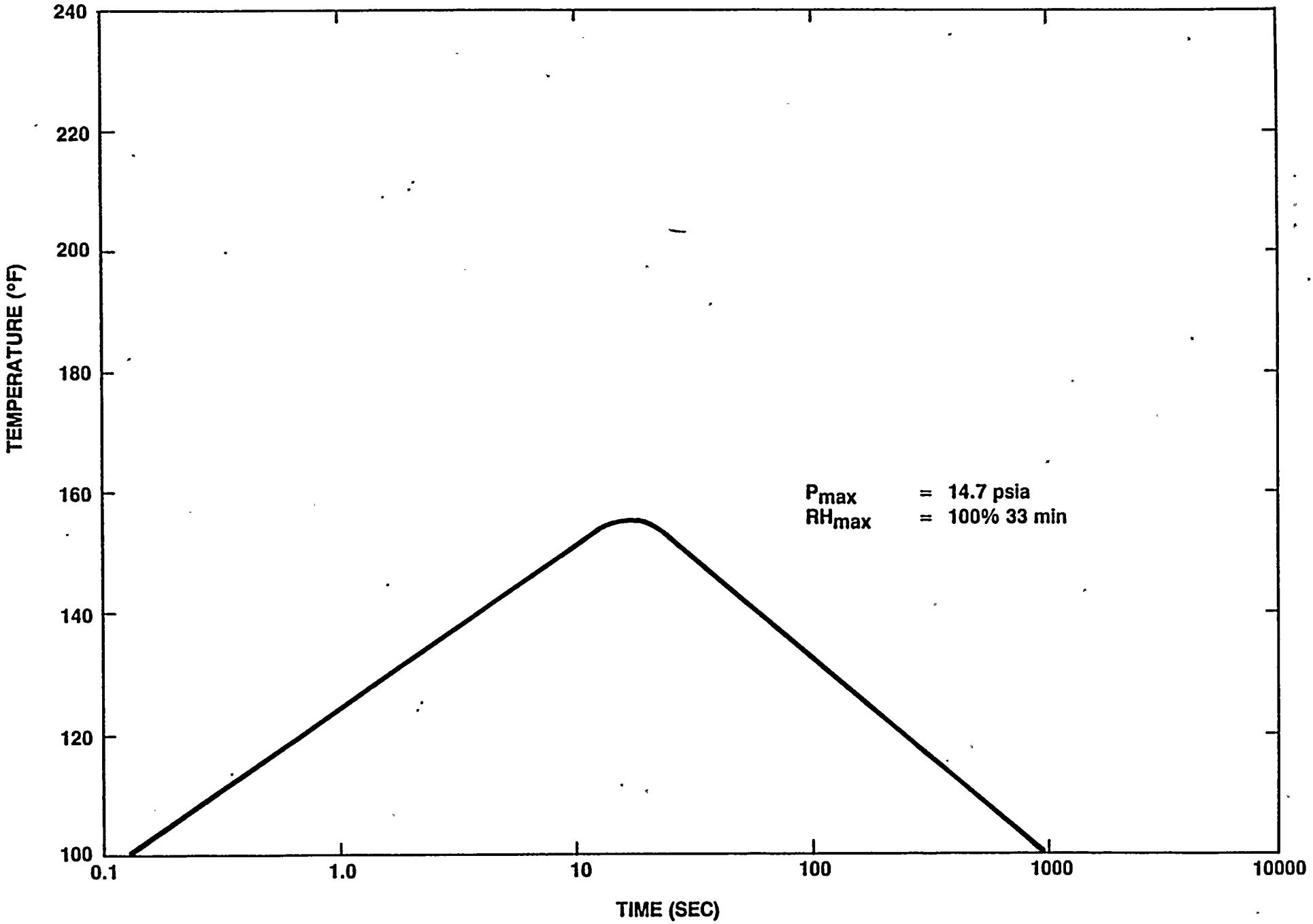
PROFILE 25. 6″ RWCU LINE BREAK IN THE RWCU HEAT EXCHANGER ROOM (EL 548). RESPONSE IN RWCU HEAT EXCHANGER ROOM (EL 548).

821772-15A



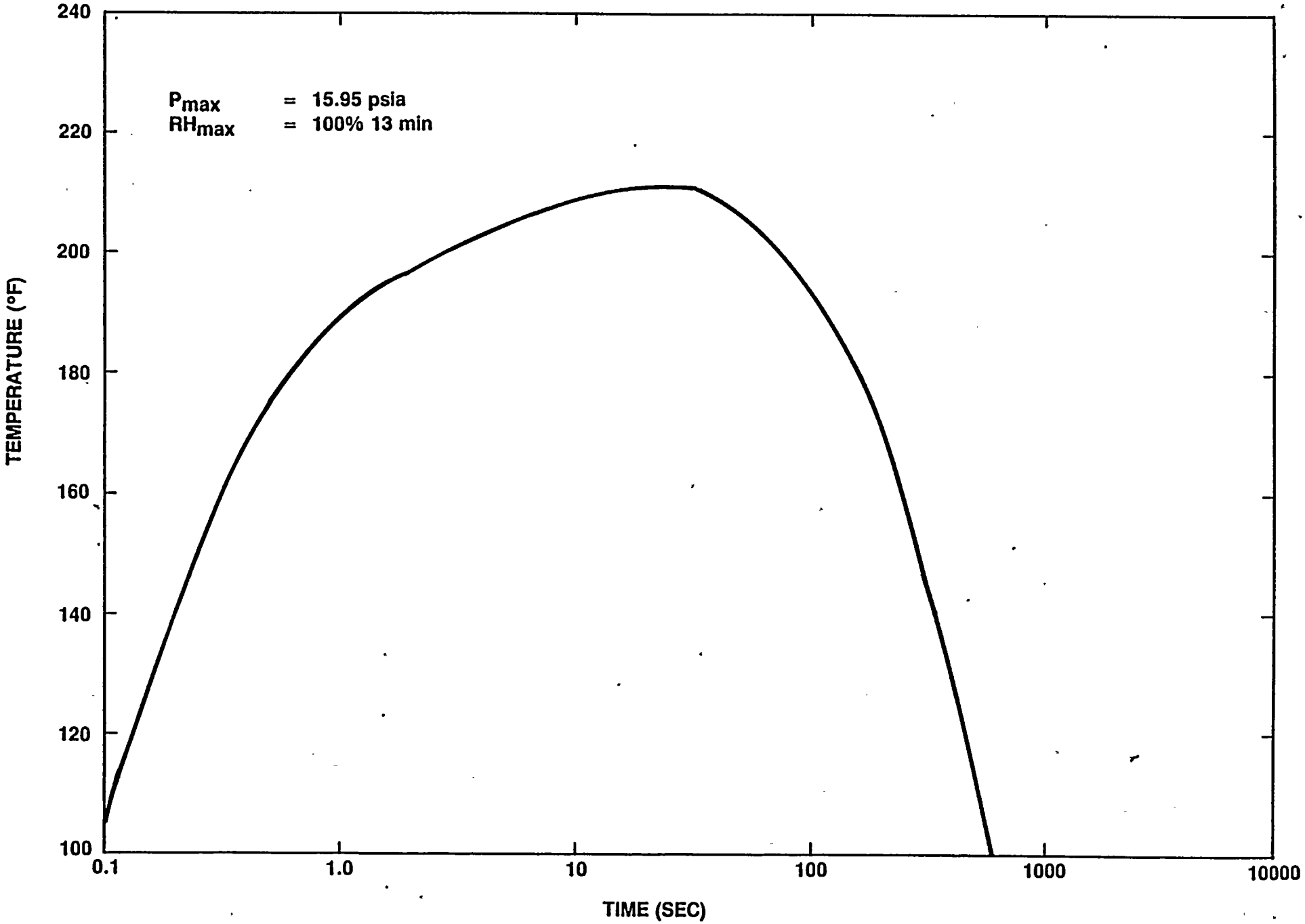
PROFILE 26. 6″ RWCU LINE BREAK IN THE RWCU HEAT EXCHANGER ROOM (EL 548). RESPONSE IN NE AREA OF EL 548.

821772-14A



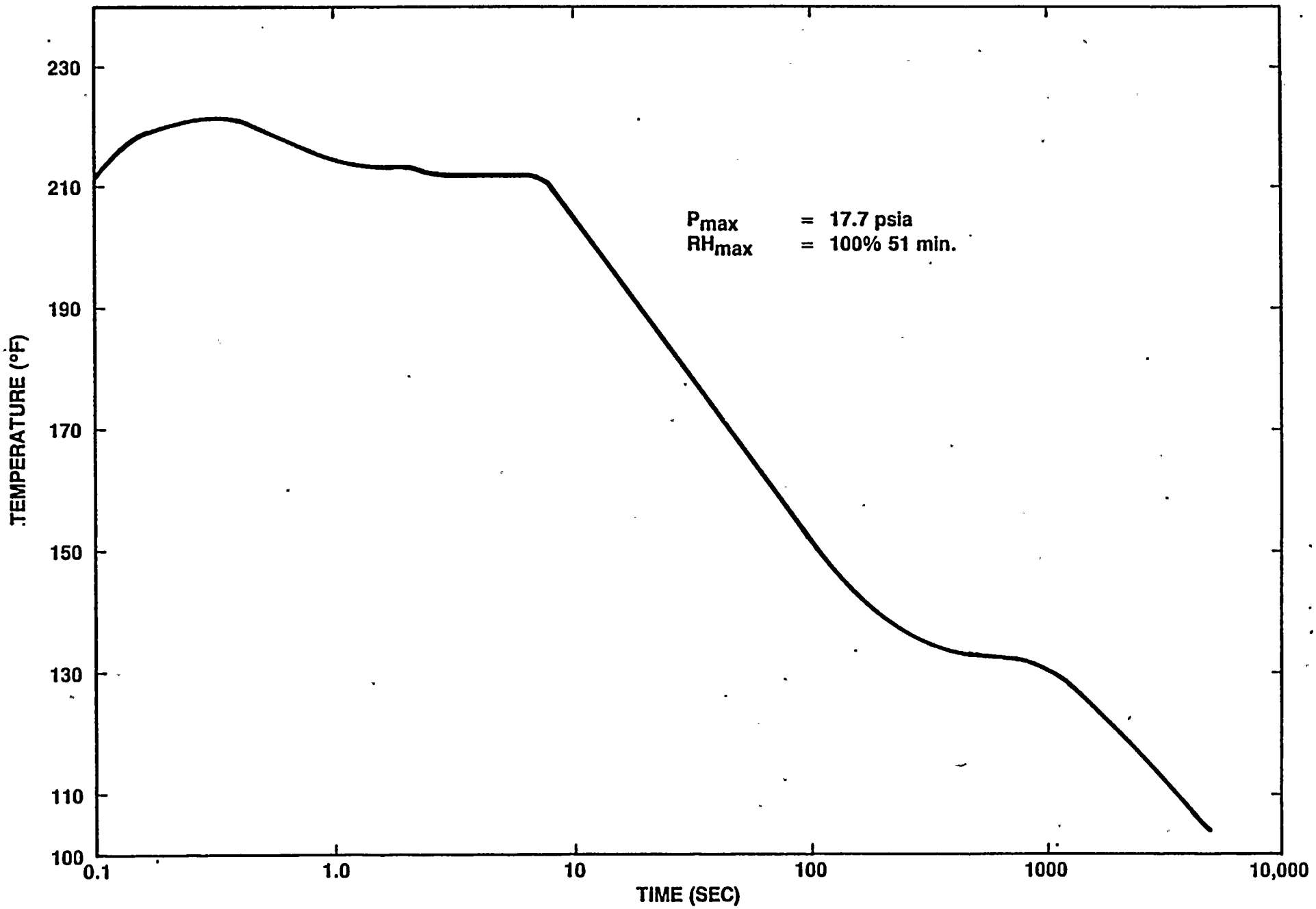
PROFILE 27. 6″ RWCU LINE BREAK IN THE RWCU HEAT EXCHANGER ROOM (EL 548). RESPONSE IN NW AREA OF EL 548.

821772-8A



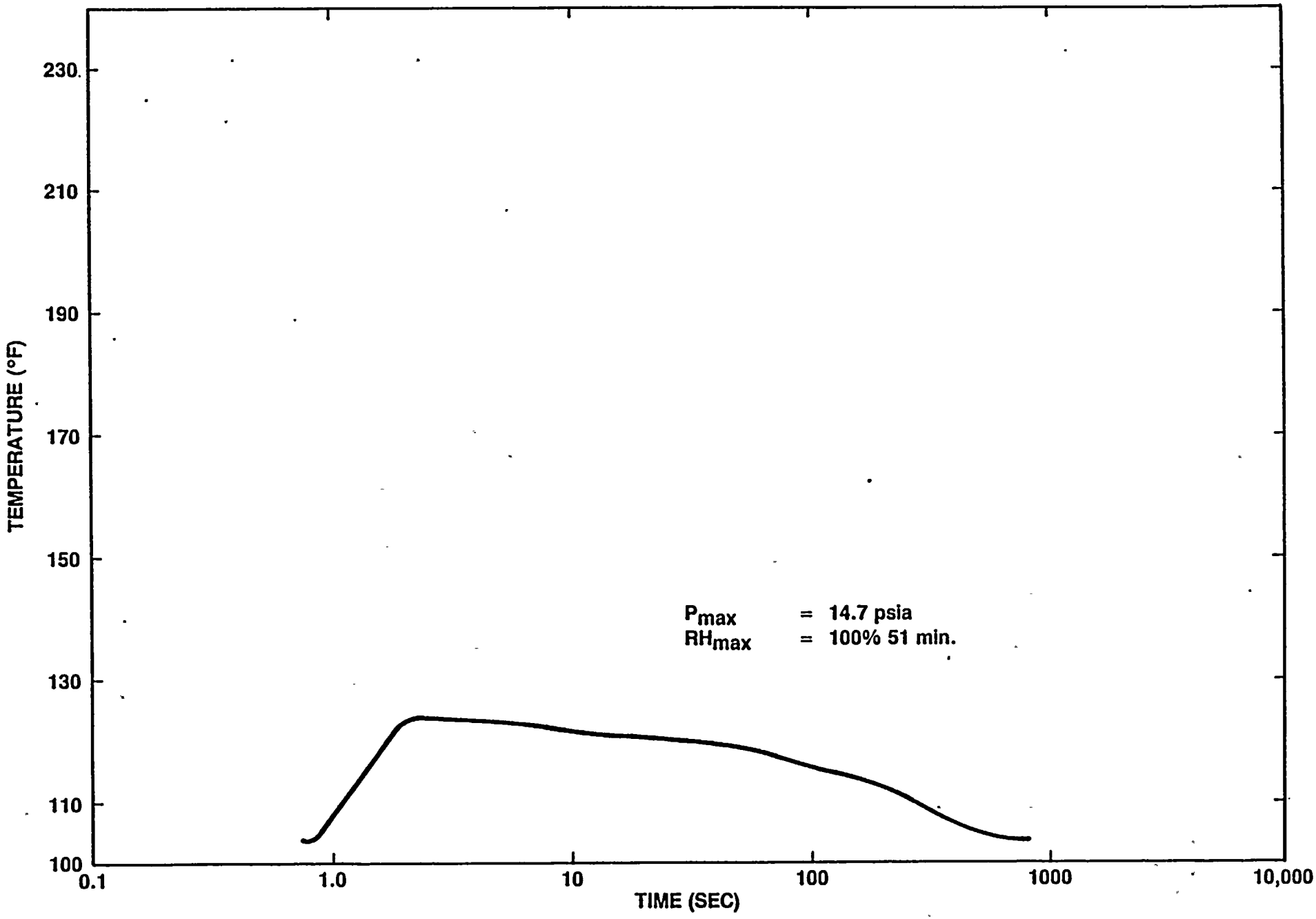
PROFILE 28. 6″ RWCU LINE BREAK IN VALVE ROOM NORTH OF CONTAINMENT (EL 548). RESPONSE IN VALVE ROOM NORTH OF CONTAINMENT (EL 548).

821772-13A



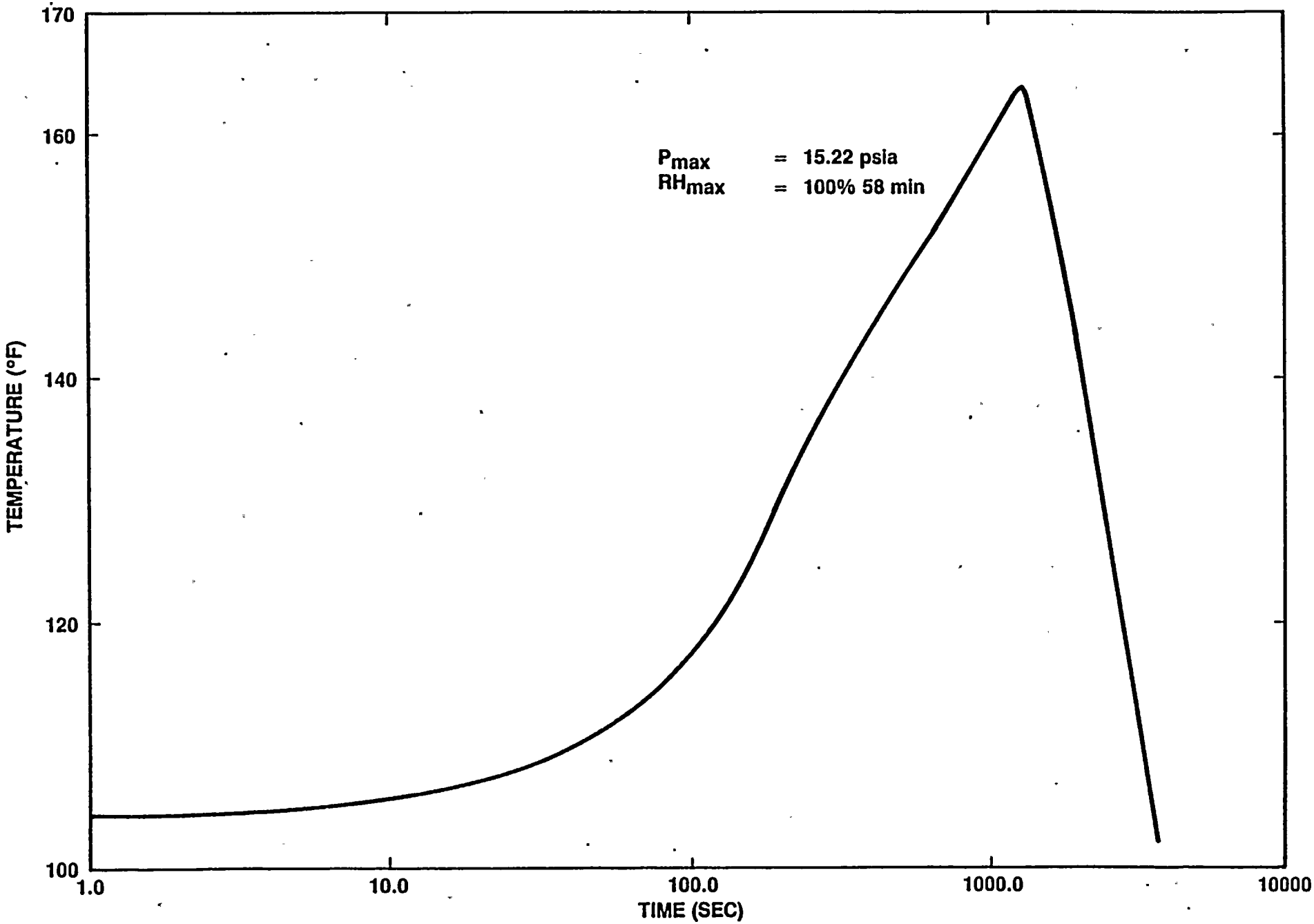
PROFILE 29. 6″ RWCU LINE BREAK IN VALVE ROOM SOUTH OF CONTAINMENT (EL 548). RESPONSE IN VALVE ROOM SOUTH OF CONTAINMENT (EL 548).

821772-21A



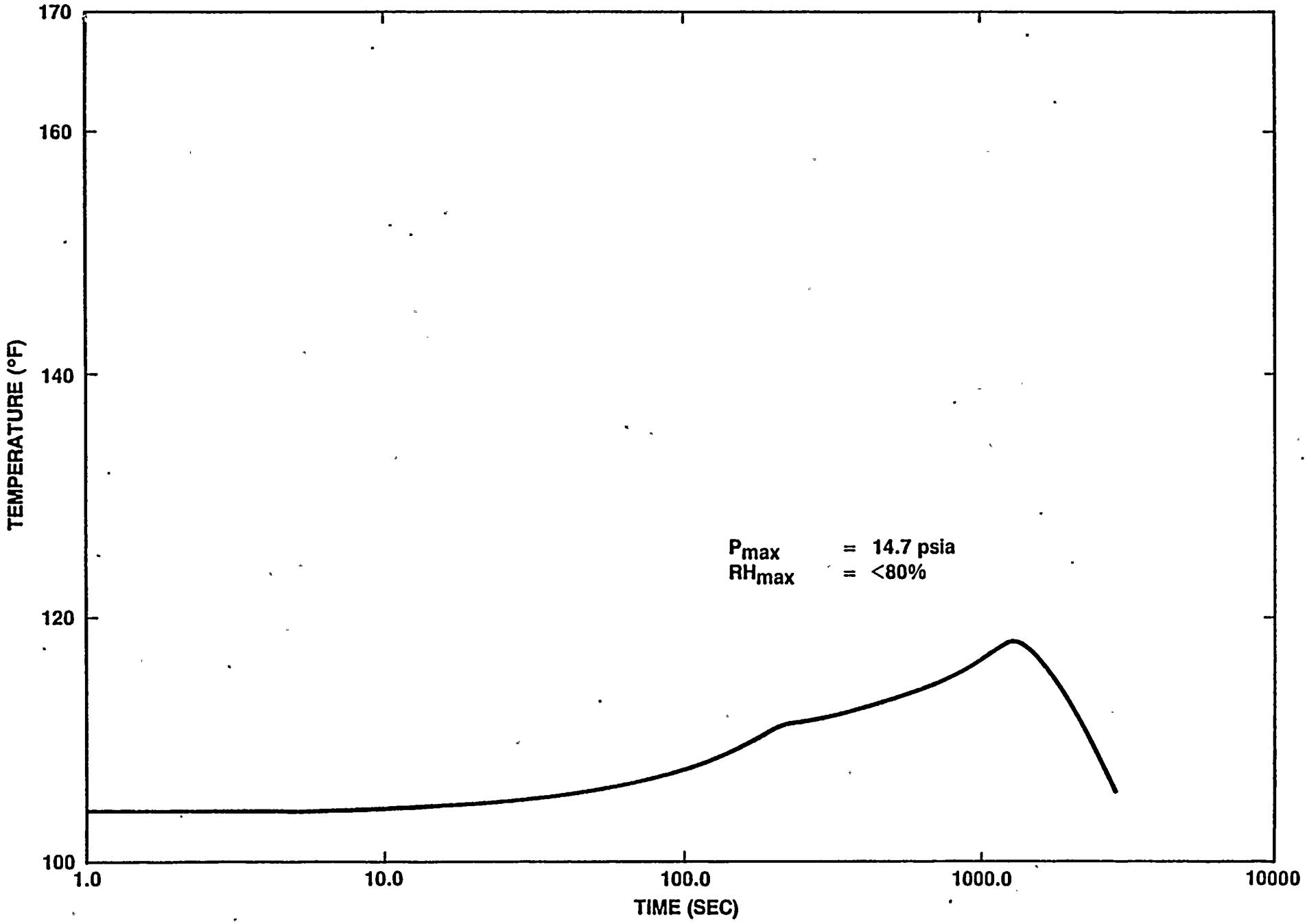
PROFILE 30. 6" RWCU LINE BREAK IN VALVE ROOM NORTH OF CONTAINMENT (EL 548). RESPONSE IN SOUTHWEST AREA (EL 548).

821772-20A



PROFILE 31. 3" AS LINE BREAK IN SOUTHEAST OPEN FLOOR AREA (EL 572). RESPONSE IN ALL OPEN FLOOR AREA (EL 572).

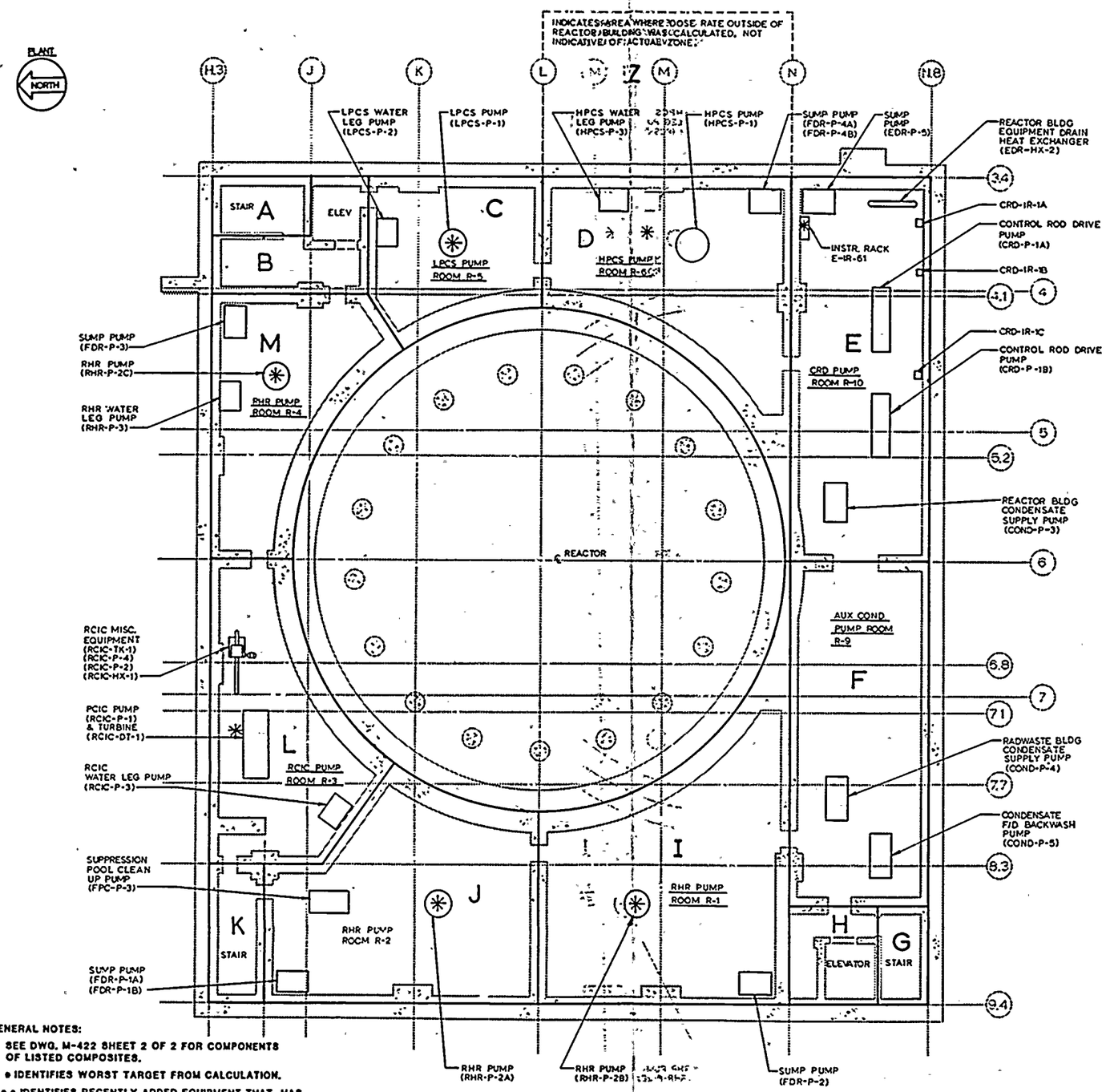
821772 23A



PROFILE 32. 3" AS LINE BREAK IN SOUTHEAST OPEN FLOOR AREA (EL 572). RESPONSE IN ALL OPEN FLOOR AREA (EL 548), (EL 606).

821772-22A

FIGURE
6.1



SAFETY RELATED EQUIPMENT -BY ZONES

ZONE C

- * LPCS-M-P/1
- • 1.7×10^6 rads

LPCS-FCV-11+
LPCS-P-1+
LPCS-P-2+

FDR-LS-41
LD-TE-27B
LD-TE-27D
**FPC-PI-17

ZONE L

- * RCIC-MO-V/46
- • 1.2×10^7 rads

FDR-LS-45
**LPCS-PI-1G

RCIC-DT-1+
RCIC-P-3+
RCIC-PCV-15+
RCIC-V-1+
RCIC-V-10+
RCIC-V-2+
RCIC-V-25+
RCIC-V-26+
RCIC-V-4+
RCIC-V-45+
RCIC-V-46+
RCIC-V-5+
RCIC-V-54+

ZONE D

- * HPCS-MO-12
- • 1.6×10^6 rads

FDR-V-603+
HPCS-P-1+
HPCS-P-3+
HPCS-V-1+
HPCS-V-12+

FDR-LS-46

ZONE E

- * E-IR-61+
- • 9.4×10^3 rads

E-IR-61+

FDR-LS-44
RCIC-LS-10
RCIC-LS-3
RCIC-PS-1
RCIC-PS-34
RCIC-SV-C002
**LD-TE-24B
**LD-TE-25A
**LD-TE-25B
**LD-TE-5A
**LD-TE-5B

ZONE I

- * RHR-M-P/2B
- • 2.5×10^6 rads

FDR-V-602+
RHR-P-2B+
RHR-V-6B+

FDR-LS-42
LD-TE-27A
LD-TE-27C

ZONE M

- * RHR-M-P/2C
- • 1.9×10^6 rads

FDR-V-604+
RHR-P-2C+
RHR-P-3+

ZONE J

- * RHR-M-P/2A
- • 2.0×10^6 rads

FDR-V-601+
RHR-P-2A+
RHR-V-6A+

FDR-LS-43

GENERAL NOTES:

1. SEE DWG. M-422 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES.
2. • IDENTIFIES WORST TARGET FROM CALCULATION.
3. •• IDENTIFIES RECENTLY ADDED EQUIPMENT THAT HAS NOT BEEN SPATIALLY LOCATED AND HAS NOT BEEN INCLUDED IN THE RADIATION SHEILDING ANALYSIS.
4. •IDENTIFIES WORST TARGET GAMMA DOSE = 6 MONTH DIRECT ACCIDENT DOSE + 6 MONTH AIRBORNE ACCIDENT DOSE + 40 YEAR NORMAL OPERATIONS DOSE
5. •• ALL EQUIPMENT RECEIVES APPROXIMATELY SAME DOSE.
6. EQUIPMENT PART NUMBERS FOLLOWED BY '+' ARE COMPOSITE EQUIPMENT.
7. PASSIVE MECHANICAL EQUIPMENT (E.G., GENERAL CABLE, FLX, X, FO, CHECK VALVES, RO, RD, RV, ST, T, TX, PWS, PX AND MANUALLY OPERATED VALVES) WILL BE GENERICALLY QUALIFIED.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	RADIATION ZONE MAP REACTOR BLDG EL. 422'-3"	FIGURE 6.1

ZONE C

LPCS-FCV-11+
- LPCS-FCV-11
- LPCS-MO-11

LPCS-P-1+
- LPCS-M-P/1
- LPCS-P-1

LPCS-P-2+
- LPCS-M-P/2
- LPCS-P-2

ZONE D

FDR-V-603+
- FDR-AO-603

HPCS-P-1+
- HPCS-M-P/1
- HPCS-P-1

HPCS-P-3+
- HPCS-M-P/3
- HPCS-P-3

HPCS-V-1+
- HPCS-MO-1
- HPCS-V-1

HPCS-V-12+
- HPCS-MO-12
- HPCS-V-12

ZONE E

E-IR-61+
- EDR-SPV-19
- FDR-SPV-3

ZONE I

FDR-V-602+
- FDR-AO-602

RHR-P-2B+
- RHR-M-P/2B
- RHR-P-2B

RHR-V-6B+
- RHR-MO-6B
- RHR-V-6B

ZONE J

FDR-V-601+
- FDR-AO-601

RHR-P-2A+
- RHR-M-P/2A
- RHR-P-2A

RHR-V-6A+
- RHR-MO-6A
- RHR-V-6A

ZONE L

RCIC-DT-1+
- RCIC-DT-1
- RCIC-P-1
- RCIC-P-5
- RCIC-PI-3
- RCIC-SS-C002

RCIC-P-3+
- RCIC-M-P/3
- RCIC-P-3

RCIC-PCV-15+
- RCIC-PCV-15
- **RCIC-AO-15

RCIC-V-1+
- RCIC-MO-V/1
- RCIC-V-1

RCIC-V-10+
- RCIC-MO-V/10
- RCIC-V-10

RCIC-V-2+
- RCIC-MO-2
- RCIC-POS-V/21
- RCIC-POS-V/22
- RCIC-V-2

RCIC-V-25+
- RCIC-AO-25
- RCIC-POS-V/25
- RCIC-V-25

RCIC-V-26+
- RCIC-AO-26
- RCIC-POS-V/26
- RCIC-V-26

RCIC-V-4+
- RCIC-AO-4
- RCIC-POS-V/4
- RCIC-V-4

RCIC-V-45+
- RCIC-MO-V/45
- RCIC-V-45

RCIC-V-46+
- RCIC-MO-V/46
- RCIC-V-46

RCIC-V-5+
- RCIC-AO-5
- RCIC-POS-V/5
- RCIC-V-5

RCIC-V-54+
- RCIC-AO-54
- RCIC-POS-V/54
- RCIC-V-54

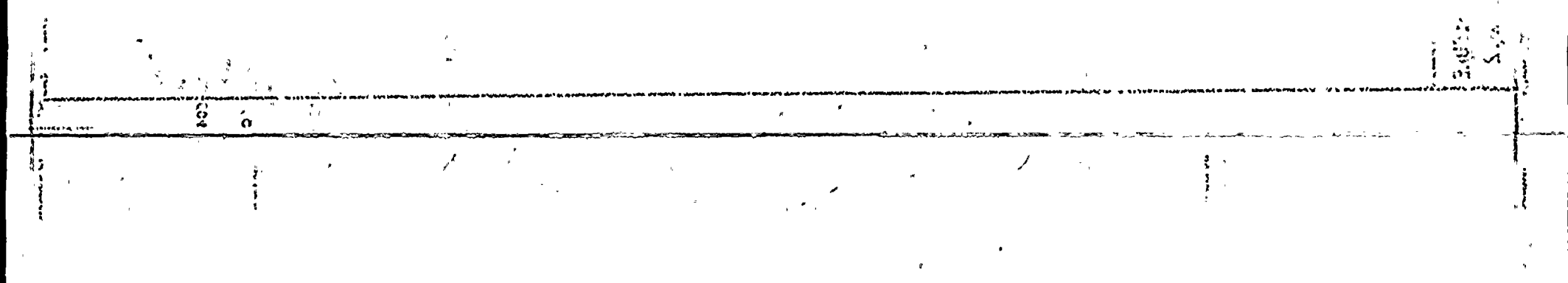
ZONE M

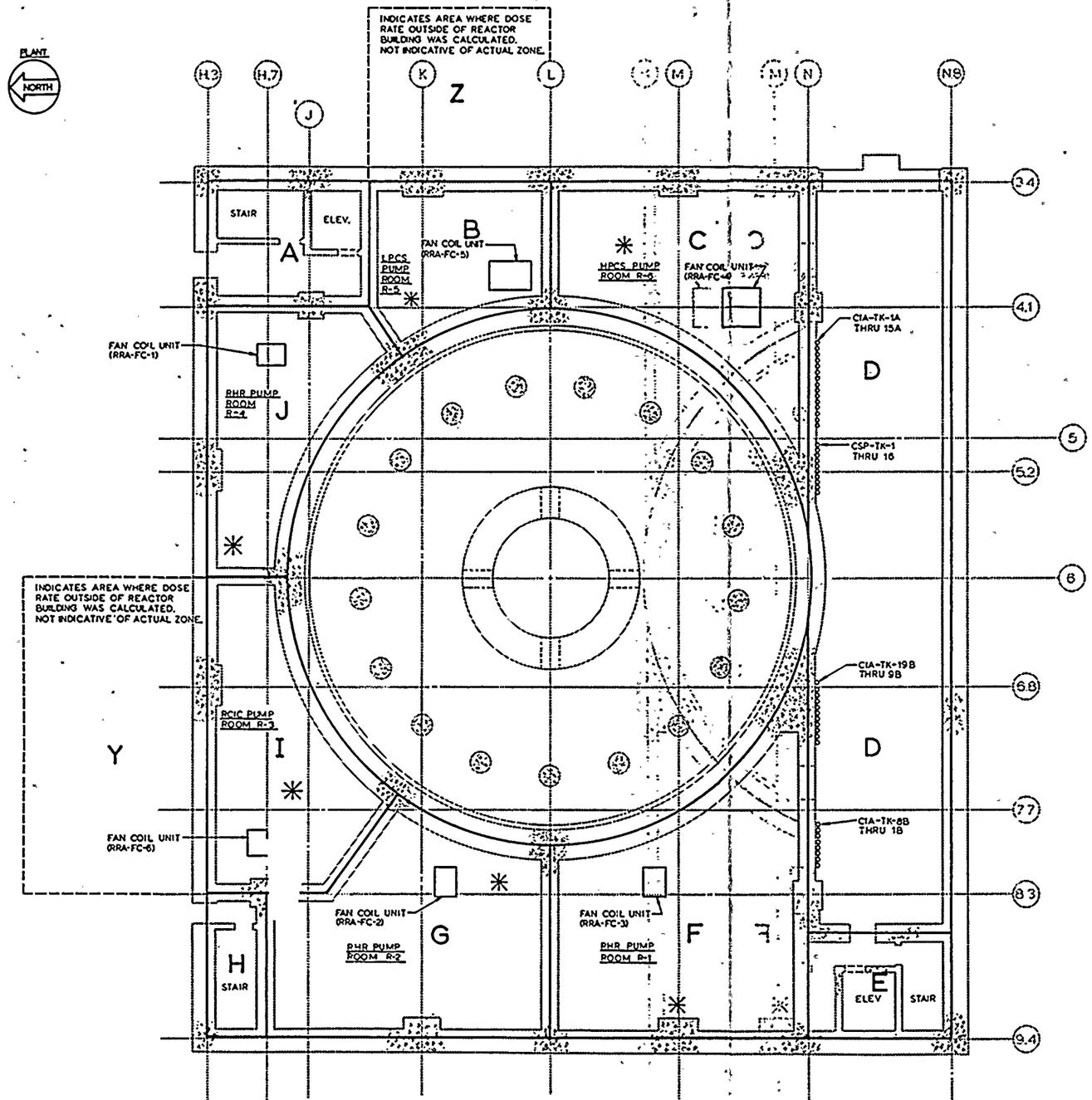
FDR-V-604+
- FDR-AO-604

RHR-P-2C+
- RHR-M-P/2C
- RHR-P-2C

RHR-P-3+
- RHR-M-P/3
- RHR-P-3

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON FIGURE 6.1	FIGURE 6.1a





REACTOR BUILDING EL. 441'-0"

SAFETY RELATED EQUIPMENT – BY ZONES

ZONE B

- * LPCS-MO-12
- • 1.5×10^6 rads

LPCS-V-1+
LPCS-V-12+
RRA-FC-5+
SW-V-44+

ZONE C

- * HPCS-MO-23
- • 1.4×10^6 rads

EDR-V-19+
EDR-V-20+
FDR-V-3+
FDR-V-4+
HPCS-V-10+
HPCS-V-11+
HPCS-V-15+
HPCS-V-23+
RRA-FC-4+
SW-V-54+

ZONE D

- •• 8.2×10^3 rads

CIA-SV-10A
CIA-SV-10B
CIA-SV-11A
CIA-SV-11B
CIA-SV-12A
CIA-SV-12B
CIA-SV-13A
CIA-SV-13B
CIA-SV-14A
CIA-SV-14B
CIA-SV-15A
CIA-SV-15B
CIA-SV-16B
CIA-SV-17B
CIA-SV-18B
CIA-SV-19B
CIA-SV-1A
CIA-SV-1B
CIA-SV-2A
CIA-SV-2B
CIA-SV-3A
CIA-SV-3B
CIA-SV-4A
CIA-SV-4B
CIA-SV-5A
CIA-SV-5B
CIA-SV-6A
CIA-SV-6B
CIA-SV-7A
CIA-SV-7B
CIA-SV-8A
CIA-SV-8B
CIA-SV-9A
CIA-SV-9B
SW-V-34
**CIA-PRV-10A
**CIA-PRV-10B
**CIA-PRV-11A
**CIA-PRV-11B
**CIA-PRV-12A
**CIA-PRV-12B
**CIA-PRV-13A
**CIA-PRV-13B
**CIA-PRV-14A
**CIA-PRV-14B
**CIA-PRV-15A
**CIA-PRV-15B
**CIA-PRV-16B
**CIA-PRV-17B
**CIA-PRV-18B
**CIA-PRV-19B
**CIA-PRV-1A
**CIA-PRV-1B
**CIA-PRV-2A
**CIA-PRV-2B
**CIA-PRV-3A
**CIA-PRV-3B
**CIA-PRV-4A
**CIA-PRV-4B
**CIA-PRV-5A
**CIA-PRV-5B
**CIA-PRV-6A
**CIA-PRV-6B
**CIA-PRV-7A
**CIA-PRV-7B
**CIA-PRV-8A
**CIA-PRV-8B
**CIA-PRV-9A
**CIA-PRV-9B

ZONE F

- * RHR-MO-64B
- • 1.7×10^6 rads

RHR-FCV-64B+
RHR-V-4B+
RRA-FC-3+
SW-V-24B+
CMS-LT-2
HPCS-LS-2B
LD-TE-18B
LD-TE-18D
LD-TE-28A
LD-TE-28C
**CMS-LT-2R

ZONE G

- * RHR-MO-4A
- • 9.9×10^5 rads

FPC-V-153+
FPC-V-154+
FPC-V-156+
RHR-FCV-64A+
RHR-V-4A+
RRA-FC-2+
SW-V-24A+

LD-TE-18A
LD-TE-18C
LD-TE-28B
LD-TE-28D
**RHR-CE-25
**RHR-TE-31

ZONE I

- * LD-TE-4B
- • 4.0×10^6 rads

RCIC-V-19+
RCIC-V-22+
RCIC-V-31+
RCIC-V-59+
RCIC-V-69+
RRA-FC-6+

LD-TE-4A
LD-TE-4B
LD-TE-6A
LD-TE-6B
**LD-TE-24A
**LD-TE-26A
**LD-TE-26B

ZONE J

- * RHR-MO-21
- • 3.1×10^6 rads

RHR-FCV-64C+
RHR-V-21+
RHR-V-4C+
RRA-FC-1+
SW-V-24C+

CMS-LT-1
HPCS-LS-2A
**PI-POS-EFCX/86B

GENERAL NOTES:

1. *,**,•,•• ARE IDENTIFIED IN GENERAL NOTES 2,3,4&5 ON DRAWING M-422 SHEET 1
2. SEE DWG. M-441 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES
3. SEE GENERAL NOTE 7 ON DRAWING M-422 SHEET 1 FOR PASSIVE EQUIPMENT

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	RADIATION ZONE MAP REACTOR BLDG EL. 441'-0"	FIGURE 6.2

ZONE B

LPCS-V-1+
- LPCS-MO-1
- LPCS-V-1

LPCS-V-12+
- LPCS-MO-12
- LPCS-V-12

RRA-FC-5+
- RRA-CC-5
- RRA-FC-5
- RRA-FN-5
- RRA-M-FN/5
- RRA-RMS-FN/S5

SW-V-44+
- SW-MO-44
- SW-V-44

ZONE C

EDR-V-19+
- EDR-AO-19
- EDR-POS-V19
- EDR-V-19

EDR-V-20+
- EDR-AO-20
- EDR-POS-V20
- EDR-V-20

FDR-V-3+
- FDR-AO-3
- FDR-POS-3
- FDR-V-3

FDR-V-4+
- FDR-AO-4
- FDR-POS-4
- FDR-V-4

HPCS-V-10+
- HPCS-MO-10
- HPCS-POT-8
- HPCS-V-10

HPCS-V-11+
- HPCS-MO-11
- HPCS-POT-10
- HPCS-V-11

HPCS-V-15+
- HPCS-MO-15
- HPCS-V-15

HPCS-V-23+
- HPCS-MO-23
- HPCS-V-23

RRA-FC-4+
- RRA-CC-4
- RRA-FC-4
- RRA-FN-4
- RRA-M-FN/4
- RRA-RMS-FN/S4

SW-V-54+
- SW-MO-54
- SW-V-54

ZONE F

RHR-FCV-64B+
- RHR-FCV-64B
- RHR-MO-64B

RHR-V-4B+
- RHR-MO-4B
- RHR-V-4B

RRA-FC-3+
- RRA-CC-3
- RRA-FC-3
- RRA-FN-3
- RRA-M-FN/3
- RRA-RMS-FN/S3

SW-V-24B+
- SW-MO-24B
- SW-V-24B

ZONE G

FPC-V-153+
- FPC-MO-153
- FPC-V-153

FPC-V-154+
- FPC-MO-154
- FPC-V-154

FPC-V-156+
- FPC-MO-156
- FPC-V-156

RHR-FCV-64A+
- RHR-FCV-64A
- RHR-MO-64A

RHR-V-4A+
- RHR-MO-4A
- RHR-V-4A

RRA-FC-2+
- RRA-CC-2
- RRA-FC-2
- RRA-FN-2
- RRA-M-FN/2
- RRA-RMS-FN/S2

SW-V-24A+
- SW-MO-24A
- SW-V-24A

ZONE I

RCIC-V-19+
- RCIC-MO-V/19
- RCIC-V-19

RCIC-V-22+
- RCIC-MO-V/22
- RCIC-V-22

RCIC-V-31+
- RCIC-MO-V/31
- RCIC-V-31

RCIC-V-59+
- RCIC-MO-V/59
- RCIC-V-59

RCIC-V-69+
- RCIC-MO-V/69
- RCIC-V-69

RRA-FC-6+
- RRA-CC-6
- RRA-FC-6
- RRA-FN-6
- RRA-M-FN/6
- RRA-RMS-FN/S6

ZONE J

RHR-FCV-64C+
- RHR-FCV-64C
- RHR-MO-64C

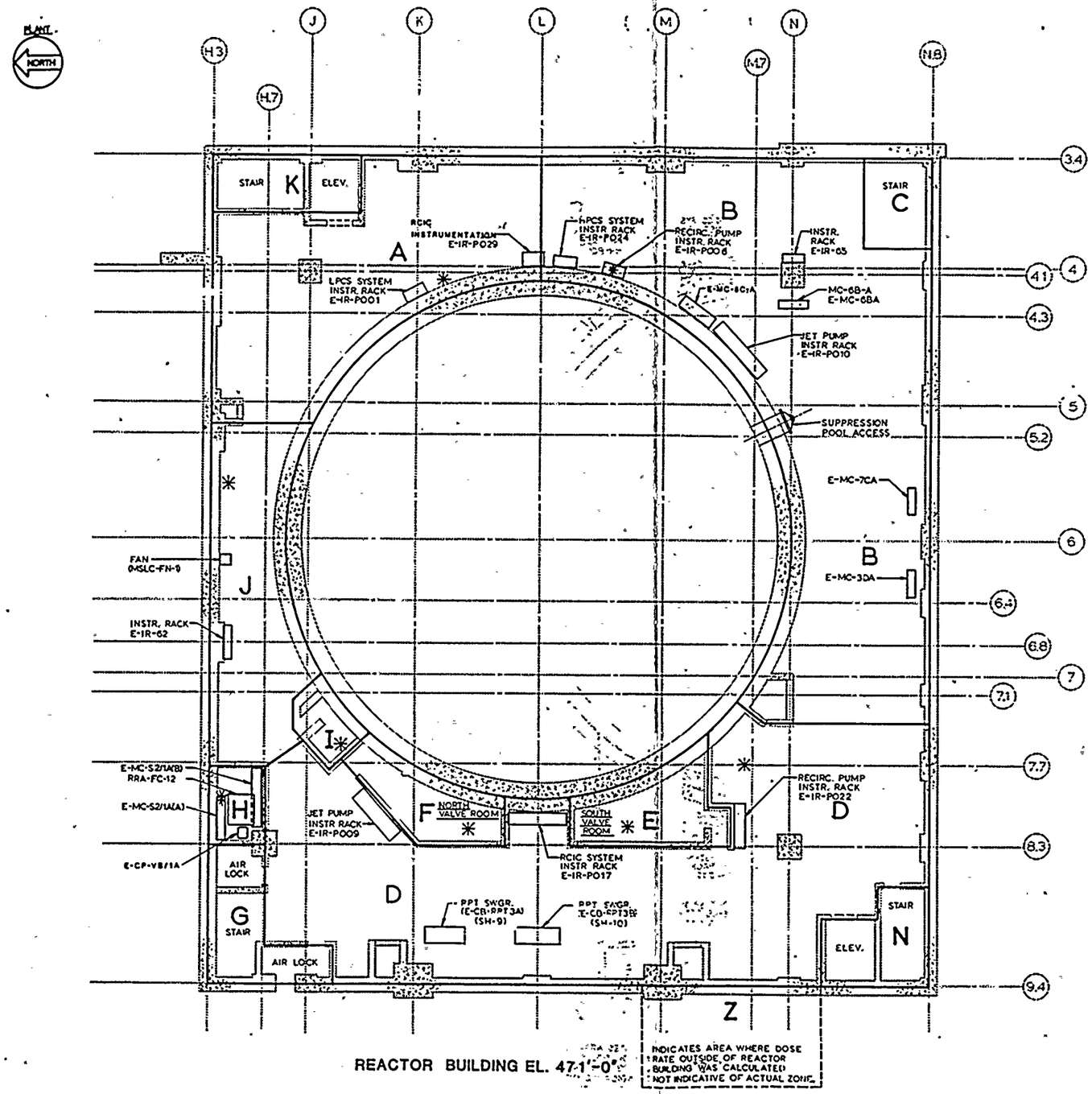
RHR-V-21+
- RHR-MO-21
- RHR-V-21

RHR-V-4C+
- RHR-MO-4C
- RHR-V-4C

RRA-FC-1+
- RRA-CC-1
- RRA-FC-1
- RRA-FN-1
- RRA-M-FN/1
- RRA-RMS-FN/S1

SW-V-24C+
- SW-MO-24C
- SW-V-24C

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON FIGURE 6.2	FIGURE 6.2a



REACTOR BUILDING EL. 471'-0"

INDICATES AREA WHERE DOSE RATE OUTSIDE OF REACTOR BUILDING WAS CALCULATED NOT INDICATIVE OF ACTUAL ZONE

SAFETY RELATED EQUIPMENT - BY ZONES

ZONE A

- * RHR-MO-27A
- • 5.0×10^5 rads

E-ELP-7BB+
E-IR-P001+
E-IR-P029+
RHR-V-27A+

**PI-POS-EFCX/84A
**PI-POS-EFCX/86A
**PI-POS-V/269
**PI-SV-269

ZONE B

- * E-IR-P006+
- • 5.0×10^5 rads

CAC-FCV-3A+
CAC-FCV-4B+
CAC-V-13+
CAC-V-8+
CSP-V-10+
CSP-V-9+
E-IR-65+
E-IR-P006+
E-IR-P010+
E-IR-P024+

ZONE D

- * CSP-AO-V/3
- • 7.1×10^4 rads

CAC-PP-TB/R363+
CAC-PP-TB/R364+
CSP-V-3+
CSP-V-4+
CSP-V-5+
CSP-V-7+
E-ELP-8BB+
E-IR-P009+
E-IR-P017+
E-IR-P022+
E-SH-10+
E-SH-9+
FPC-V-172+
FPC-V-173+
FPC-V-184+

**CAS-RLY-V453C
**CAS-RLY-V453D
**CAS-V-453

** CIA-V-106
** PI-POS-EFCX/82B
** PI-POS-V/265
** PI-SV-265

ZONE E

- * RHR-MO-11B
- • 1.7×10^6 rads

CAC-FCV-4A+
CAC-V-4+
RHR-LCV-65B+
RHR-V-11B+
RHR-V-125A+
RHR-V-125B+
RHR-V-24B+
RHR-V-26B+
RHR-V-27B+

RHR-LS-10A
RHR-LS-10B
RHR-LS-10C
RHR-LS-10D
** PI-POS-EFCX/87A
** PI-POS-EFCX/87B

ZONE F

- * RHR-MO-26A
- • 2.2×10^6 rads

RHR-LCV-65A+
RHR-V-11A+
RHR-V-124A+
RHR-V-124B+
RHR-V-24A+
RHR-V-26A+

RHR-LS-11A
RHR-LS-11B
RHR-LS-11C
RHR-LS-11D

ZONE H

- * E-MC-S2/1A+
- • 6.2×10^3 rads

E-CP-VB/1A+
E-MC-S2/1A+
ROA-AD-12+
RRA-FC-12+

ZONE I

- * RCIC-MO-V/86
- • 4.8×10^6 rads

RCIC-V-110+
RCIC-V-113+
RCIC-V-68+

ZONE J

- * MSLC-H-B+
- • 4.4×10^7 rads

CEP-V-3A+
CEP-V-3B+
CEP-V-4A+
CEP-V-4B+
CSP-V-6+
CSP-V-8+
E-IR-62+
MSLC-FN-1+
MSLC-H-A+
MSLC-H-B+
MSLC-H-C+
MSLC-H-D+
MSLC-V-1A+
MSLC-V-1B+
MSLC-V-1C+
MSLC-V-1D+

MSLC-FT-3A
MSLC-FT-3B
MSLC-FT-3C
MSLC-FT-3D

ZONE M

Located at elev. 480'0" above zone "I"

- * CAC-EHO-FCV/3B
- • 9.1×10^4 rads

CAC-FCV-3B+
CAC-V-17+

GENERAL NOTES:

1. *,**,•,•• ARE IDENTIFIED IN GENERAL NOTES 2,3,4&5 ON DRAWING M-422 SHEET 1
2. SEE DWG. M-471 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES
3. SEE GENERAL NOTE 7 ON DRAWING M-422 SHEET 1 FOR PASSIVE EQUIPMENT

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	RADIATION ZONE MAP REACTOR BLDG EL. 471'-0"	FIGURE 6.3

ZONE A

E-ELP-7BB+
- E-TR-7BB

E-IR-P001+
- LPCS-DPIS-6
- LPCS-FIS-4
- LPCS-FT-3
- LPCS-PI-1
- LPCS-PI-2
- LPCS-PIS-1
- LPCS-PS-5
- LPCS-PS-9

E-IR-P029+
- RCIC-DPIS-13B
- RCIC-DPIS-7B
- RCIC-PS-12B
- RCIC-PS-12D
- RCIC-PS-22B
- RCIC-PS-22D

RHR-V-27A+
- RHR-MO-27A
- RHR-V-27A

ZONE B

CAC-FCV-3A+
- CAC-EHO-FCV/3A
- CAC-FCV-3A
- CAC-POS-FCV/3A

CAC-FCV-4B+
- CAC-EHO-FCV/4B
- CAC-FCV-4B
- CAC-POS-FCV/4B

CAC-V-13+
- CAC-MO-V/13
- CAC-V-13

CAC-V-8+
- CAC-MO-V/8
- CAC-V-8

CSP-V-10+
- CSP-AO-V/10
- CSP-POS-10P10
- CSP-POS-10P11
- CSP-POS-V/10P1
- CSP-POS-V/10P12
- CSP-POS-V/10P13
- CSP-POS-V/10P2
- CSP-POS-V/10P3
- CSP-POS-V/10P4
- CSP-POS-V/10P9
- CSP-V-10

CSP-V-9+
- CSP-AO-V/9
- CSP-POS-V/9
- CSP-V-9

E-IR-65+
- CSP-SPV-10A
- CSP-SPV-10B
- CSP-SPV-3
- CSP-SPV-7A
- CSP-SPV-7B
- EDR-SPV-20
- EDR-SPV-4

E-IR-P006+
- RRC-FT-11A
- RRC-FT-14A
- RRC-FT-24A
- RRC-PS-18A

E-IR-P010+
- MS-DPI-5
- MS-DPIS-10C
- MS-DPIS-11C
- MS-DPIS-8C
- MS-DPIS-9C
- MS-FT-33A
- MS-FT-33C
- MS-FT-34A
- MS-FT-34C
- MS-FT-34E
- MS-FT-34G
- MS-FT-34J
- MS-FT-34L
- MS-FT-34N
- MS-FT-34P
- MS-FT-34R
- MS-FT-34V
- MS-LITS-44A
- RRC-FT-14C
- RRC-FT-24C
- **MS-FT-34T

E-IR-P024+
- HPCS-DPIS-9
- HPCS-FIS-6
- HPCS-FT-5
- HPCS-PIS-13
- HPCS-PS-12
- HPCS-PS-3
- **HPCS-PT-4

ZONE D

CAC-PP-TB/R363+
- CAC-RLY-80FCV1B
- CAC-RLY-80FCV2B
- CAC-RLY-80FCV3B
- CAC-RLY-80FCV4B
- **CAC-RLY-4B/CR1
- **CAC-RLY-4B/CR2

CAC-PP-TB/R364+
- CAC-RLY-80FCV1A
- CAC-RLY-80FCV2A
- CAC-RLY-80FCV3A
- CAC-RLY-80FCV4A
- **CAC-RLY-4A/CR1
- **CAC-RLY-4A/CR2

CSP-V-3+
- CSP-AO-V/3
- CSP-POS-V/3
- CSP-V-3

CSP-V-4+
- CSP-AO-V/4
- CSP-POS-V/4
- CSP-V-4

CSP-V-5+
- CSP-AO-V/5
- CSP-POS-V/5
- CSP-V-5

CSP-V-7+
- CSP-AO-V/7
- CSP-POS-7P10
- CSP-POS-7P11
- CSP-POS-7P13
- CSP-POS-V/7P1
- CSP-POS-V/7P12
- CSP-POS-V/7P2
- CSP-POS-V/7P3
- CSP-POS-V/7P4
- CSP-POS-V/7P9
- CSP-V-7

E-ELP-8BB+
- E-TR-8BB

E-IR-P009+
- MS-DPT-32
- MS-FT-33B
- MS-FT-33D
- MS-FT-34B
- MS-FT-34D
- MS-FT-34F
- MS-FT-34H
- MS-FT-34K
- MS-FT-34M
- MS-FT-34S
- MS-FT-34U
- MS-FT-34W
- MS-LITS-44B
- RRC-FT-14D
- RRC-FT-24D
- RHCU-FT-37

E-IR-P017+
- RCIC-DPIS-13A
- RCIC-DPIS-7A
- RCIC-FIS-2
- RCIC-FT-3
- RCIC-PI-1
- RCIC-PI-2
- RCIC-PI-4
- RCIC-PI-803
- RCIC-PS-12A
- RCIC-PS-12C
- RCIC-PS-20
- RCIC-PS-21
- RCIC-PS-22A
- RCIC-PS-22C
- RCIC-PS-6
- RCIC-PS-9A
- RCIC-PS-9B
- RCIC-PT-4
- RCIC-PT-5
- RCIC-PT-7
- RCIC-PT-8

E-IR-P022+
- MS-DPIS-10B
- MS-DPIS-11B
- MS-DPIS-8B
- MS-DPIS-9B
- RRC-FT-11B
- RRC-FT-14B
- RRC-FT-24B
- RRC-PS-18B

E-SH-10+
- RRC-CB-P1B/RPT3

E-SH-9+
- RRC-CB-P1A/RPT3

FPC-V-172+
- FPC-MO-172
- FPC-V-172

FPC-V-173+
- FPC-MO-173
- FPC-V-173

FPC-V-184+
- FPC-MO-184
- FPC-V-184

ZONE E

CAC-FCV-4A+
- CAC-EHO-FCV/4A
- CAC-FCV-4A
- CAC-POS-FCV/4A

CAC-V-4+
- CAC-MO-V/4
- CAC-V-4

RHR-LCV-65B+
- RHR-LCV-65B

RHR-V-11B+
- RHR-MO-11B
- RHR-V-11B

RHR-V-125A+
- RHR-MO-125A
- RHR-V-125A

RHR-V-125B+
- RHR-MO-125B
- RHR-V-125B

RHR-V-24B+
- RHR-MO-24B
- RHR-V-24B

RHR-V-26B+
- RHR-MO-26B
- RHR-V-26B

RHR-V-27B+
- RHR-MO-27B
- RHR-V-27B

ZONE F

RHR-LCV-65A+
- RHR-LCV-65A

RHR-V-11A+
- RHR-MO-11A
- RHR-V-11A

RHR-V-124A+
- RHR-MO-124A
- RHR-V-124A

RHR-V-124B+
- RHR-MO-124B
- RHR-V-124B

RHR-V-24A+
- RHR-MO-24A
- RHR-V-24A

RHR-V-26A+
- RHR-MO-26A
- RHR-V-26A

ZONE H

E-CP-VB/1A+
- CSP-RLY-10R3
- CSP-RLY-10R4
- CSP-RLY-7R3
- CSP-RLY-7R4
- CSP-RLY-V/10CR
- CSP-RLY-V/10R1
- CSP-RLY-V/10R2
- CSP-RLY-V/10R5
- CSP-RLY-V/7CR
- CSP-RLY-V/7R1
- CSP-RLY-V/7R2
- CSP-RLY-V/7R5
- CSP-RLY-V/8CR
- CSP-RLY-V/8R1
- CSP-RLY-V/8R2
- CSP-RLY-V/8R3
- CSP-RLY-V/8R4
- CSP-RLY-V/8R5

E-MC-S2/1A+
- E-42-S21A/1CSPA
- E-42-S21A/2CSPA
- E-42-S21A/3CSPA
- E-42-S21A/4CSPA
- E-42-TT/TV
- RCIC-42-P/2
- RCIC-42-P/4
- RCIC-42-V/13
- RCIC-42-V/19
- RCIC-42-V/22
- RCIC-42-V/45
- RCIC-42-V/59
- RCIC-42-V/64
- RCIC-42-V/69
- RHR-42-V/23
- RHR-42-V/8
- RWCU-42-V/4

ROA-AD-12+
- ROA-AD-12
- ROA-SPV-12
- ROA-AO-AD/12
- ROA-POS-AD/12

RRA-FC-12+
- RRA-CC-12
- RRA-FC-12
- RRA-FN-12
- RRA-M-FN/12

ZONE I

RCIC-V-110+
- RCIC-MO-V/80
- RCIC-V-110

RCIC-V-113+
- RCIC-MO-V/86
- RCIC-V-113

RCIC-V-68+
- RCIC-MO-V/68
- RCIC-V-68

ZONE J

CEP-V-3A+
- CEP-AO-V/3A
- CEP-POS-V/3A
- CEP-V-3A

CEP-V-3B+
- CEP-AO-V/3B
- CEP-POS-V/3B
- CEP-V-3B

CEP-V-4A+
- CEP-AO-V/4A
- CEP-POS-V/4A
- CEP-V-4A

CEP-V-4B+
- CEP-AO-V/4B
- CEP-POS-V/4B
- CEP-V-4B

CSP-V-6+
- CSP-AO-V/6
- CSP-POS-V/6
- CSP-V-6

CSP-V-8+
- CSP-AO-V/8
- CSP-POS-8P10
- CSP-POS-8P11
- CSP-POS-8P13
- CSP-POS-V/8P1
- CSP-POS-V/8P12
- CSP-POS-V/8P2
- CSP-POS-V/8P3
- CSP-POS-V/8P4
- CSP-POS-V/8P9
- CSP-V-8

E-IR-62+
- CEP-SPV-3A
- CEP-SPV-3B
- CSP-SPV-8A
- CSP-SPV-8B
- FPC-DPIC-1
- FPC-SPV-1
- RCIC-SPV-25
- RCIC-SPV-4
- RCIC-SPV-54
- RFW-SPV-32A1
- RFW-SPV-32A2
- RFW-SPV-32B1
- RFW-SPV-32B2
- **FPC-DPIS-11
- **FPC-DPIS-12

MSLC-FN-1+
- MSLC-FN-1
- MSLC-M-FN/1

MSLC-H-A+
- MSLC-H-A
- MSLC-TE-10A

MSLC-H-B+
- MSLC-H-B
- MSLC-TE-10B

MSLC-H-C+
- MSLC-H-C
- MSLC-TE-10C

MSLC-H-D+
- MSLC-H-D
- MSLC-TE-10D

MSLC-V-1A+
- MSLC-MO-1A
- MSLC-V-1A

MSLC-V-1B+
- MSLC-MO-1B
- MSLC-V-1B

MSLC-V-1C+
- MSLC-MO-1C
- MSLC-V-1C

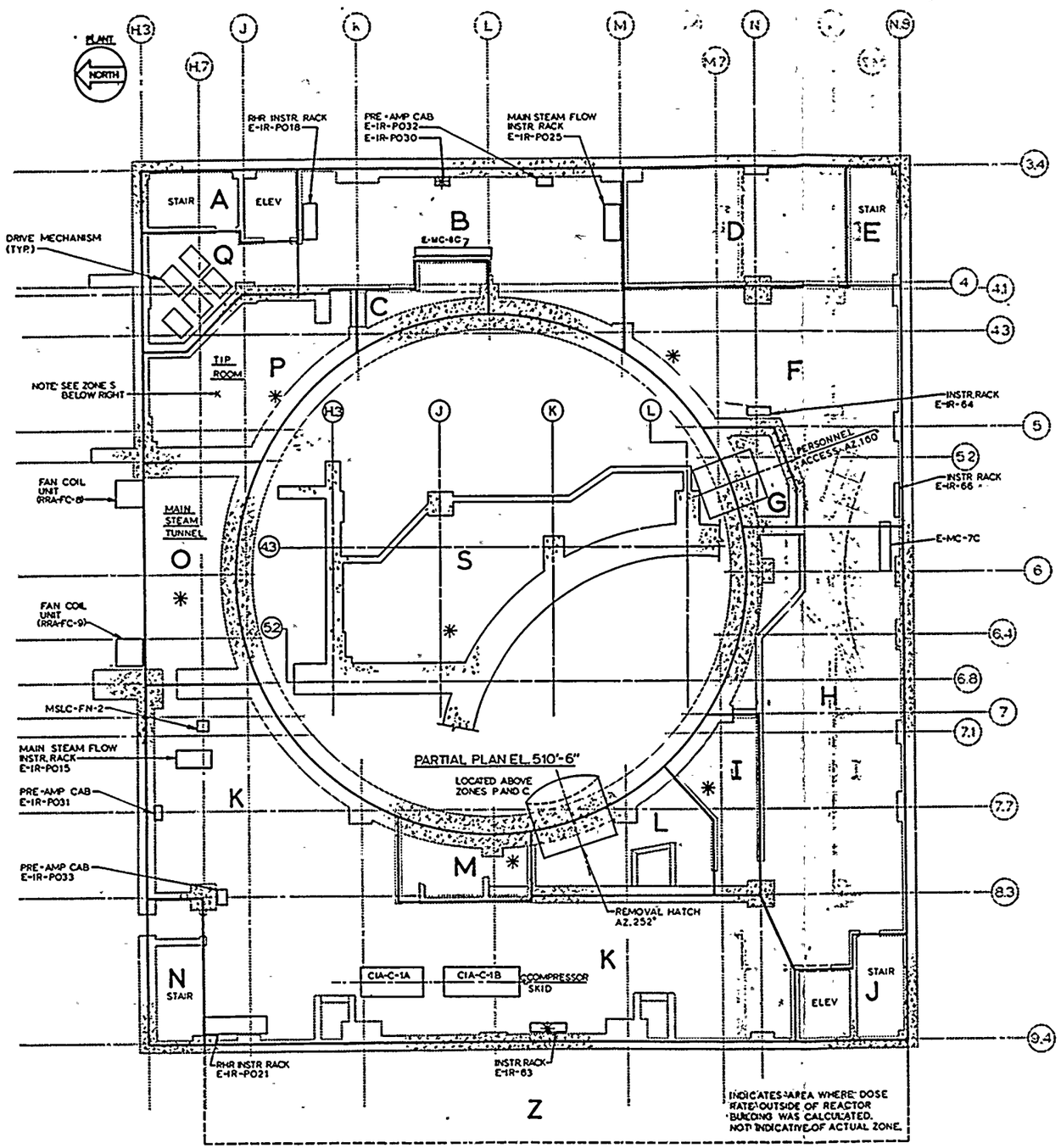
MSLC-V-1D+
- MSLC-MO-1D
- MSLC-V-1D

ZONE M

CAC-FCV-3B+
- CAC-EHO-FCV/3B
- CAC-FCV-3B
- CAC-POS-FCV/3B

CAC-V-17+
- CAC-MO-V/17
- CAC-V-17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON FIGURE 6.3	FIGURE 6.3a



REACTOR BUILDING EL. 501'-0"

SAFETY RELATED EQUIPMENT - BY ZONES

ZONE B

- * E-IR-P030+
- • 4.6×10^5 rads

E-IR-P018+
E-IR-P025+
E-IR-P030+
E-IR-P032+

**PI-POS-EFCX/38A
**PI-POS-EFCX/38B
**PI-POS-EFCX/38C
**PI-POS-EFCX/38D
**PI-POS-EFCX/38E
**PI-POS-EFCX/38F
**PI-POS-EFCX/39A
**PI-POS-EFCX/40C
**PI-POS-EFCX/40D
**PI-POS-EFCX/40E
**PI-POS-EFCX/40F
**PI-POS-EFCX/42A
**PI-POS-EFCX/42B
**PI-POS-EFCX/42F
**PI-POS-EFCX/61B
**PI-POS-EFCX/61C
**PI-POS-EFCX/70A
**PI-POS-EFCX/70B
**PI-POS-EFCX/70C
**PI-POS-EFCX/70D
**PI-POS-EFCX/70E
**PI-POS-EFCX/70F
**RHR-PI-2A

ZONE F

- * RRC-MO-16A
- • 4.6×10^4 rads

E-IR-64+
E-IR-66+
RRC-V-16A+

**PI-POS-EFCX/61A
**PI-POS-EFCX/78B
**PI-POS-EFCX/78F
**PI-POS-EFCX44BA
**PI-POS-EFCX44BB
**PI-POS-EFCX44BC
**PI-POS-EFCX44BD
**PI-POS-EFCX44BE
**PI-POS-EFCX44BF
**PI-POS-EFCX44BG
**PI-POS-EFCX44BH
**PI-POS-EFCX44BJ
**PI-POS-EFCX44BK
**PI-POS-EFCX44BL
**PI-POS-EFCX44BM

ZONE I

- * CSP-AO-V/1
- • 1.5×10^6 rads

CSP-V-1+
CSP-V-2+
RHR-V-8+

RHR-PS-18

ZONE K

- * E-IR-63+
- • 7.9×10^4 rads

E-IR-63+
E-IR-P015+
E-IR-P021+
E-IR-P031+
E-IR-P033+
MSLC-FN-2+
RRC-V-16B+
RRC-V-20+

**PI-POS-EFCX/39B
**PI-POS-EFCX/39D
**PI-POS-EFCX/39E
**PI-POS-EFCX/41C
**PI-POS-EFCX/41D
**PI-POS-EFCX/41E
**PI-POS-EFCX/41F
**PI-POS-EFCX/62B
**PI-POS-EFCX/62C
**PI-POS-EFCX/62D
**PI-POS-EFCX/69A
**PI-POS-EFCX/69B
**PI-POS-EFCX/69E
**PI-POS-EFCX/69F
**PI-POS-EFCX/71A
**PI-POS-EFCX/71B
**PI-POS-EFCX/71C
**PI-POS-EFCX/71D
**PI-POS-EFCX/71E
**PI-POS-EFCX/71F
**PI-POS-EFCX/74A
**PI-POS-EFCX/74E
**PI-POS-EFCX/74F
**PI-POS-EFCX/75A
**PI-POS-EFCX/75B
**PI-POS-EFCX/75C
**PI-POS-EFCX/75D
**PI-POS-EFCX/75E
**PI-POS-EFCX/75F
**PI-POS-EFCX44AA
**PI-POS-EFCX44AB
**PI-POS-EFCX44AC
**PI-POS-EFCX44AD
**PI-POS-EFCX44AE
**PI-POS-EFCX44AF
**PI-POS-EFCX44AG
**PI-POS-EFCX44AH
**PI-POS-EFCX44AJ
**PI-POS-EFCX44AK
**PI-POS-EFCX44AL
**PI-POS-EFCX44AM
**RHR-PI-2B
**RHR-PI-2C

ZONE M

- * RHR-MO-53B
- • 1.0×10^6 rads

RHR-V-16B+
RHR-V-17B+
RHR-V-53B+

ZONE O

- * MS-POS-V/28D
- • 4.2×10^6 rads

MS-V-19+
MS-V-20+
MS-V-28A+
MS-V-28B+
MS-V-28C+
MS-V-28D+
MS-V-67A+
MS-V-67B+
MS-V-67C+
MS-V-67D+
MSLC-V-10+
MSLC-V-2A+
MSLC-V-2B+
MSLC-V-2C+
MSLC-V-2D+
MSLC-V-3A+
MSLC-V-3B+
MSLC-V-3C+
MSLC-V-3D+
MSLC-V-4+
MSLC-V-5+
MSLC-V-9+
RFW-V-32A+
RFW-V-32B+
RFW-V-65A+
RFW-V-65B+

LD-TE-29A
LD-TE-29B
LD-TE-29C
LD-TE-29D
LD-TE-31A
LD-TE-31B
LD-TE-31C
LD-TE-31D
MS-RE-3A
MS-RE-3B
MS-RE-3C
MS-RE-3D
**PI-POS-EFCX/18A
**PI-POS-EFCX/18B
**PI-POS-EFCX/18C
**PI-POS-EFCX/18D

ZONE P

- * TIP-V-1
- • 1.1×10^6 rads

TIP-V-1
TIP-V-2
TIP-V-3
TIP-V-4
TIP-V-5
**TIP-SV-1
**TIP-SV-2
**TIP-SV-3
**TIP-SV-4
**TIP-SV-5

ZONE Q

- * **TIP-SV-6
- • Dose Not Calculated

**TIP-SV-6

ZONE S

Located at elev. 510'6" above zones "P" and "C"

- * RCIC-MO-V/8
- • 2.6×10^6 rads

RCC-V-104+
RCC-V-21+
RCC-V-5+
RCIC-V-8+
RHR-V-53A+
RWCU-V-40+

GENERAL NOTES:

1. *,**,•,•• ARE IDENTIFIED IN GENERAL NOTES 2,3,4&5 ON DRAWING M-422 SHEET 1
2. SEE DWG. M-501 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES
3. SEE GENERAL NOTE 7 ON DRAWING M-422 SHEET 1 FOR PASSIVE EQUIPMENT

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	RADIATION ZONE MAP REACTOR BLDG EL. 501'-0"	FIGURE 6.4

380.
54.

ZONE B

E-IR-P018+
- RCIC-PS-32A
- RCIC-PS-33A
- RHR-CIST-30A
- RHR-DPIS-12A
- RHR-DPIS-29A
- RHR-FIS-10A
- RHR-FT-15A
- RHR-FT-7A
- RHR-PIS-22A
- RHR-PS-16A
- RHR-PS-19A
- RHR-PT-26A

E-IR-P025+
- MS-DPIS-10D
- MS-DPIS-11D
- MS-DPIS-8D
- MS-DPIS-9D

E-IR-P030+
- IRM-EAMP-2A
- IRM-EAMP-2E
- **SRM-EAMP-1A

E-IR-P032+
- IRM-EAMP-2C
- IRM-EAMP-2G
- **SRM-EAMP-1C

ZONE F

E-IR-64+
- CAC-FT-4B
- CSP-DPIS-V/5
- CSP-DPIS-V/6
- CSP-SPV-4
- CSP-SPV-5
- CSP-SPV-9

E-IR-66+
- CAC-FT-3A
- CAC-FT-4A
- CMS-PT-3
- CSP-SPV-1
- RHR-SPV-41A

RRC-V-16A+
- RRC-MO-16A
- RRC-POS-16A
- **RRC-V-16A

ZONE I

CSP-V-1+
- CSP-AO-V/1
- CSP-POS-V/1
- CSP-V-1

CSP-V-2+
- CSP-AO-V/2
- CSP-POS-V/2
- CSP-V-2

RHR-V-8+
- RHR-MO-8
- RHR-V-8

ZONE K

E-IR-63+
- CAC-FT-3B
- CEP-SPV-4A
- CEP-SPV-4B
- CMS-PT-4
- CSP-DPIS-V/4
- CSP-SPV-2
- CSP-SPV-6
- RCIC-SPV-26
- RCIC-SPV-5
- RHR-SPV-41C
- **RHR-SPV-50B

E-IR-P015+
- MS-DPIS-10A
- MS-DPIS-11A
- MS-DPIS-8A
- MS-DPIS-9A

E-IR-P021+
- RCIC-PS-32B
- RCIC-PS-33B
- RHR-CIST-30B
- RHR-DPIS-12B
- RHR-DPIS-29B
- RHR-FIS-10B
- RHR-FIS-10C
- RHR-FT-15B
- RHR-FT-15C
- RHR-FT-7B
- RHR-PIS-22B
- RHR-PIS-22C
- RHR-PS-16B
- RHR-PS-16C
- RHR-PS-19B
- RHR-PS-19C
- RHR-PT-26B
- RHR-PT-28
- **RHR-CI-6

E-IR-P031+
- IRM-EAMP-2B
- IRM-EAMP-2F
- **SRM-EAMP-1B

E-IR-P033+
- IRM-EAMP-2D
- IRM-EAMP-2H
- **SRM-EAMP-1D

MSLC-FN-2+
- MSLC-FN-2
- MSLC-M-FN/2

RRC-V-16B+
- RRC-MO-16B
- RRC-POS-16B
- RRC-V-16B

RRC-V-20+
- RRC-POS-20
- RRC-V-20

ZONE M

RHR-V-16B+
- RHR-MO-16B
- RHR-V-16B

RHR-V-17B+
- RHR-MO-17B
- RHR-V-17B

RHR-V-53B+
- RHR-MO-53B
- RHR-V-53B

ZONE O

MS-V-19+
- MS-MO-V/19
- MS-V-19

MS-V-20+
- MS-MO-V/20
- MS-V-20

MS-V-28A+
- MS-AO-28A
- MS-POS-V/28A
- MS-SPV-28A1
- MS-SPV-28A2
- MS-SPV-28A3
- MS-V-28A

MS-V-28B+
- MS-AO-28B
- MS-POS-V/28B
- MS-SPV-28B1
- MS-SPV-28B2
- MS-SPV-28B3
- MS-V-28B

MS-V-28C+
- MS-AO-28C
- MS-POS-V/28C
- MS-SPV-28C1
- MS-SPV-28C2
- MS-SPV-28C3
- MS-V-28C

MS-V-28D+
- MS-AO-28D
- MS-POS-V/28D
- MS-SPV-28D1
- MS-SPV-28D2
- MS-SPV-28D3
- MS-V-28D

MS-V-67A+
- MS-MO-V/67A
- MS-V-67A

MS-V-67B+
- MS-MO-V/67B
- MS-V-67B

MS-V-67C+
- MS-MO-V/67C
- MS-V-67C

MS-V-67D+
- MS-MO-V/67D
- MS-V-67D

MSLC-V-10+
- MSLC-MO-10
- MSLC-V-10

MSLC-V-2A+
- MSLC-MO-2A
- MSLC-V-2A

MSLC-V-2B+
- MSLC-MO-2B
- MSLC-V-2B

MSLC-V-2C+
- MSLC-MO-2C
- MSLC-V-2C

MSLC-V-2D+
- MSLC-MO-2D
- MSLC-V-2D

MSLC-V-3A+
- MSLC-MO-3A
- MSLC-V-3A

MSLC-V-3B+
- MSLC-MO-3B
- MSLC-V-3B

MSLC-V-3C+
- MSLC-MO-3C
- MSLC-V-3C

MSLC-V-3D+
- MSLC-MO-3D
- MSLC-V-3D

MSLC-V-4+
- MSLC-MO-4
- MSLC-V-4

MSLC-V-5+
- MSLC-MO-5
- MSLC-V-5

MSLC-V-9+
- MSLC-MO-9
- MSLC-V-9

RFW-V-32A+
- RFW-POS-V/32A
- RFW-V-32A
- **RFW-AO-V/32A

RFW-V-32B+
- RFW-POS-V/32B
- RFW-V-32B
- **RFW-AO-V/32B

RFW-V-65A+
- RFW-MO-65A
- RFW-V-65A

RFW-V-65B+
- RFW-MO-65B
- RFW-V-65B

ZONE S

RCC-V-104+
- RCC-MO-104
- RCC-V-104

RCC-V-21+
- RCC-MO-21
- RCC-V-21

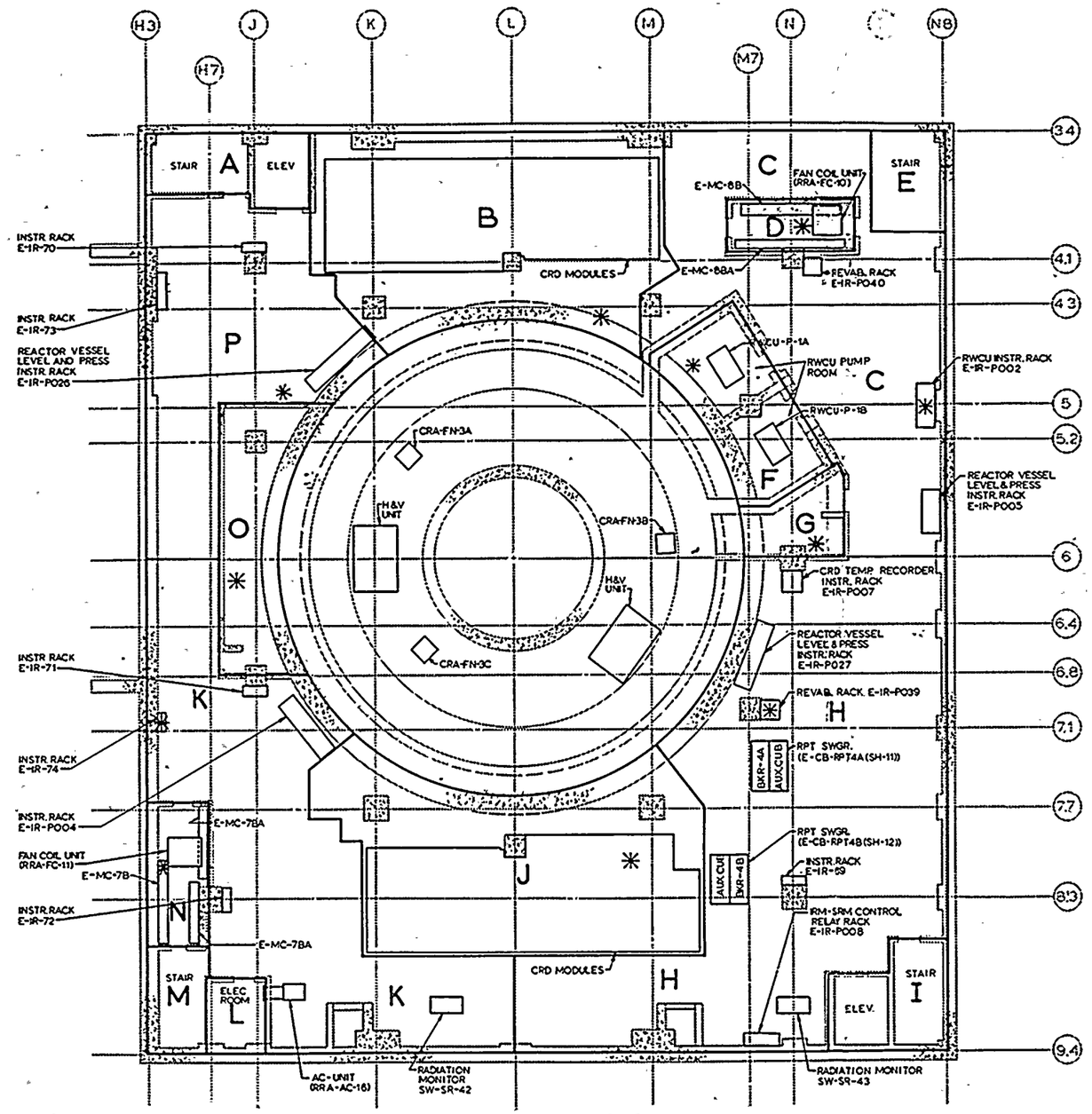
RCC-V-5+
- RCC-MO-5
- RCC-V-5

RCIC-V-8+
- RCIC-MO-V/8
- RCIC-V-8

RHR-V-53A+
- RHR-MO-53A
- RHR-V-53A

RWCU-V-40+
- RWCU-MO-40
- RWCU-V-40

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON FIGURE 6.4	FIGURE 6.4a



REACTOR BUILDING EL. 522'-0"

GENERAL NOTES:

1. *,**,●,●● ARE IDENTIFIED IN GENERAL NOTES 2,3,4&5 ON DRAWING M-422 SHEET 1
2. SEE DWG. M-522 SHEETS 2&3 OF 4 FOR COMPONENTS OF LISTED COMPOSITES
3. SEE GENERAL NOTE 7 ON DRAWING M-422 SHEET 1 FOR PASSIVE EQUIPMENT

SAFETY RELATED EQUIPMENT - BY ZONES

ZONE B

* LPCS-MO-5
● 6.4×10^5 rads

CRD-HCU(93 Total)
LPCS-V-5+

**CIA-SV-39A
**CMS-RE-27A

ZONE C

* E-IR-P002+
● 5.8×10^5 rads

CRD-FCV-2A+
CRD-FCV-2B+
CRD-IR-1+
CRD-IR-2+
CRD-IR-3+
CRD-V-3+
E-IR-P002+
E-IR-P005+

CRD-RV-80
CRD-RV-81
**HY-POS-V/33A
**HY-POS-V/33B
**HY-POS-V/34A
**HY-POS-V/34B
**HY-POS-V/35A
**HY-POS-V/35B
**HY-POS-V/36A
**HY-POS-V/36B
**HY-V-33A
**HY-V-33B
**HY-V-34A
**HY-V-34B
**HY-V-35A
**HY-V-35B
**HY-V-36A
**HY-V-36B

ZONE D

* RRA-M-FN/10
● 2.3×10^4 rads

E-MC-8B+
E-MC-8BA+
ROA-AD-10+
RRA-FC-10+

ZONE F

* LD-TE-2A
● 8.4×10^5 rads

RWCU-V-4+

LD-TE-1A
LD-TE-1B
LD-TE-1C
LD-TE-1D
LD-TE-2A
LD-TE-2B
LD-TE-2C
LD-TE-2D
LD-TE-3A
LD-TE-3B
LD-TE-3C
LD-TE-3D

ZONE G

* RHR-MO-42B
● 1.3×10^6 rads

RHR-V-42B+

ZONE H

* E-IR-P039+
● 8.3×10^5 rads

CIA-V-30B+
E-IR-69+
E-IR-P008+
E-IR-P027+
E-IR-P039+
E-SH-11+
E-SH-12+
HPCS-V-4+
S-SR-43+
SW-V-75B+

CIA-SV-39B
CMS-ME-1
CMS-ME-2
CMS-ME-3
CMS-ME-4
PI-SV-250
PI-SV-251
PI-SV-253
RHR-DPIS-9B
**PI-POS-EFCX/72A
**PI-POS-EFCX/72B
**PI-POS-V/250
**PI-POS-V/251
**PI-POS-V/253
**PI-POS-V/262
**PI-POS-V/263
**PI-POS-V/264
**PI-POS-V/266
**PI-POS-V/267
**PI-POS-V/72F
**PI-SV-262
**PI-SV-263
**PI-SV-264
**PI-SV-266
**PI-SV-267
**SLC-FT-1

ZONE J

* CRD-HCU(92 Total)
● 1.0×10^5 rads

CRD-HCU(92 Total)

CMS-RE-27B
HY-POS-V/17B
HY-POS-V/18B
HY-POS-V/19B
HY-POS-V/20B
HY-V-17B
HY-V-18B
HY-V-19B
HY-V-20B
**HY-POS-V/17A
**HY-POS-V/18A
**HY-POS-V/19A
**HY-POS-V/20A
**HY-V-17A
**HY-V-18A
**HY-V-19A
**HY-V-20A
**PI-POS-EFCX/30A
**PI-POS-EFCX/30F

ZONE K

* E-IR-74+
● 2.0×10^4 rads

CIA-V-20+
E-IR-71+
E-IR-74+
E-IR-P004+
FPC-FCV-1+
ROA-AD-11+
S-SR-42+
SW-V-75A+

CRD-LS-13A
CRD-LS-13B
**MSLC-PT-11
**MSLC-PT-13

ZONE N

* E-MC-7B+
● 6.7×10^3 rads

E-MC-7B+
E-MC-7BA+
RRA-FC-11+

ZONE O

* RHR-MO-42C
● 1.7×10^6 rads

RHR-V-42A+
RHR-V-42C+

LD-TE-30A
LD-TE-30B
LD-TE-30C
LD-TE-30D
**RHR-DPIS-9A
**RHR-DPIS-9C

ZONE P

* CRD-V-10+
● 5.3×10^4 rads

CIA-V-30A+
CRD-V-10+
CRD-V-11+
E-IR-70+
E-IR-73+
E-IR-P026+

CMS-ME-5
CRD-LS-13C
CRD-LS-13D
CRD-LS-13E
CRD-LS-13F
CRD-RV-12
PI-SV-256
PI-SV-257
PI-SV-259
**MSLC-PT-10A
**MSLC-PT-10B
**MSLC-PT-10C
**MSLC-PT-10D
**MSLC-PT-12A
**MSLC-PT-12B
**MSLC-PT-12C
**MSLC-PT-12D
**PI-POS-EFCX/29D
**PI-POS-EFCX/29F
**PI-POS-EFCX/73A
**PI-POS-EFCX/73C
**PI-POS-V/256
**PI-POS-V/257
**PI-POS-V/259
**PI-POS-V/268
**PI-POS-V/73E
**PI-SV-268

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	RADIATION ZONE MAP REACTOR BLDG EL. 522'-0"	FIGURE 6.5

ZONE P (CON'T)

E-IR-P026+ (CON'T)

MS-PS-39V

MS-PS-45A

MS-PS-45B

MS-PS-48A

MS-PS-48C

MS-PT-51A

RPS-PS-2D

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON FIGURE 6.5	FIGURE 6.5b

ZONE B

CRD-HCU-3031
CRD-HCU-3035
CRD-HCU-3039
CRD-HCU-3043
CRD-HCU-3047
CRD-HCU-3051
CRD-HCU-3055
CRD-HCU-3059
CRD-HCU-3403
CRD-HCU-3407
CRD-HCU-3411
CRD-HCU-3415
CRD-HCU-3419
CRD-HCU-3423
CRD-HCU-3427
CRD-HCU-3431
CRD-HCU-3435
CRD-HCU-3439
CRD-HCU-3443
CRD-HCU-3447
CRD-HCU-3451
CRD-HCU-3455
CRD-HCU-3459
CRD-HCU-3803
CRD-HCU-3807
CRD-HCU-3811
CRD-HCU-3815
CRD-HCU-3819
CRD-HCU-3823
CRD-HCU-3827
CRD-HCU-3831
CRD-HCU-3835
CRD-HCU-3839
CRD-HCU-3843
CRD-HCU-3847
CRD-HCU-3851
CRD-HCU-3855
CRD-HCU-3859
CRD-HCU-4203
CRD-HCU-4207
CRD-HCU-4211
CRD-HCU-4215
CRD-HCU-4219
CRD-HCU-4223
CRD-HCU-4227
CRD-HCU-4231
CRD-HCU-4235
CRD-HCU-4239
CRD-HCU-4243
CRD-HCU-4247
CRD-HCU-4251
CRD-HCU-4255
CRD-HCU-4259
CRD-HCU-4607
CRD-HCU-4611
CRD-HCU-4615
CRD-HCU-4619
CRD-HCU-4623
CRD-HCU-4627
CRD-HCU-4631
CRD-HCU-4635
CRD-HCU-4639
CRD-HCU-4643
CRD-HCU-4647
CRD-HCU-4651
CRD-HCU-4655
CRD-HCU-5011
CRD-HCU-5015
CRD-HCU-5019
CRD-HCU-5023
CRD-HCU-5027
CRD-HCU-5031
CRD-HCU-5035
CRD-HCU-5039
CRD-HCU-5043
CRD-HCU-5047
CRD-HCU-5051
CRD-HCU-5415
CRD-HCU-5419
CRD-HCU-5423
CRD-HCU-5427
CRD-HCU-5431
CRD-HCU-5435
CRD-HCU-5439
CRD-HCU-5443
CRD-HCU-5447
CRD-HCU-5819
CRD-HCU-5823
CRD-HCU-5827
CRD-HCU-5831
CRD-HCU-5835
CRD-HCU-5839
CRD-HCU-5843

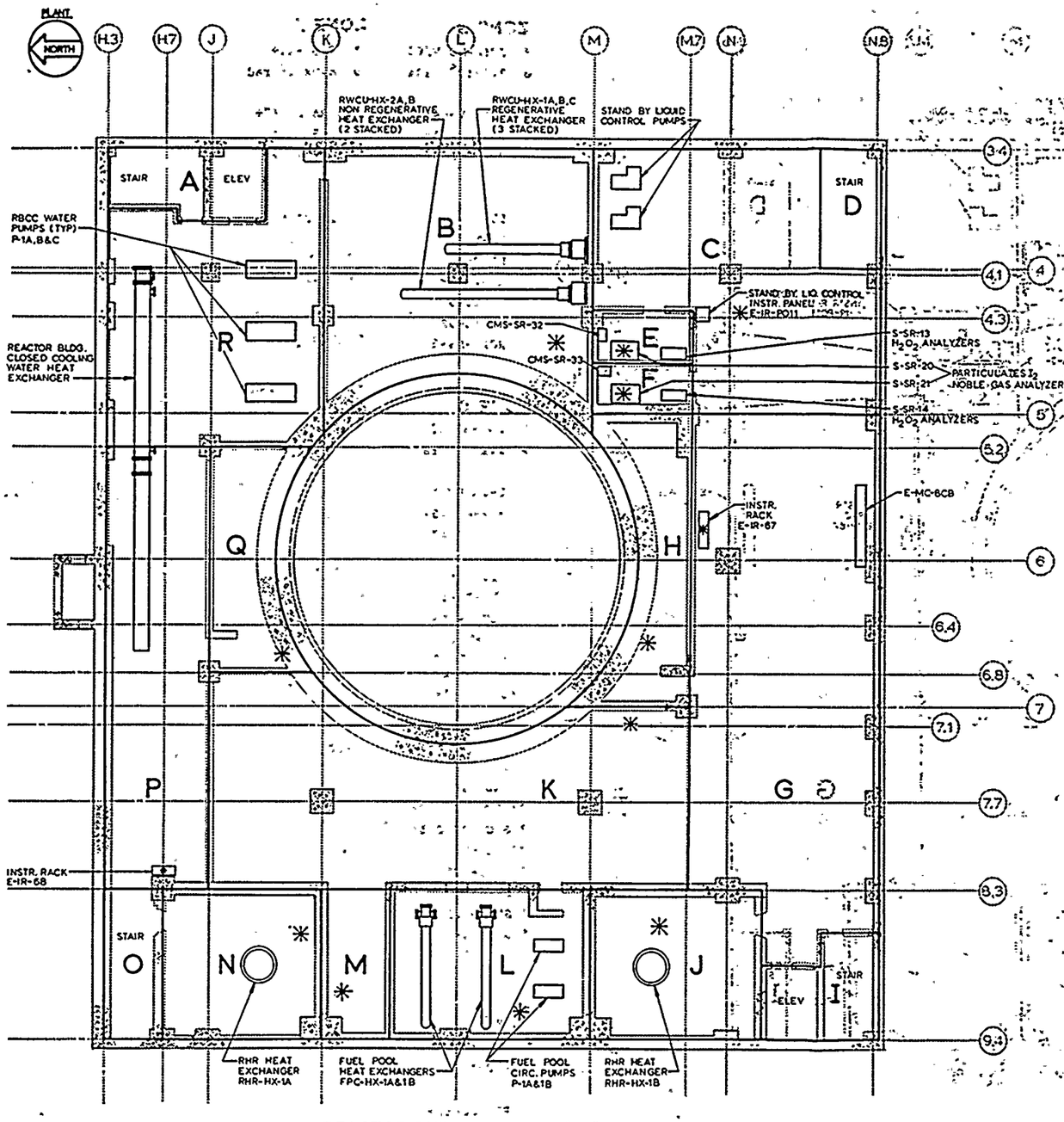
ZONE J

CRD-HCU-0219
CRD-HCU-0223
CRD-HCU-0227
CRD-HCU-0231
CRD-HCU-0235
CRD-HCU-0239
CRD-HCU-0243
CRD-HCU-0615
CRD-HCU-0619
CRD-HCU-0623
CRD-HCU-0627
CRD-HCU-0631
CRD-HCU-0635
CRD-HCU-0639
CRD-HCU-0643
CRD-HCU-0647
CRD-HCU-1011
CRD-HCU-1015
CRD-HCU-1019
CRD-HCU-1023
CRD-HCU-1027
CRD-HCU-1031
CRD-HCU-1035
CRD-HCU-1039
CRD-HCU-1043
CRD-HCU-1047
CRD-HCU-1051
CRD-HCU-1407
CRD-HCU-1411
CRD-HCU-1415
CRD-HCU-1419
CRD-HCU-1423
CRD-HCU-1427
CRD-HCU-1431
CRD-HCU-1435
CRD-HCU-1439
CRD-HCU-1443
CRD-HCU-1447
CRD-HCU-1451
CRD-HCU-1455
CRD-HCU-1803
CRD-HCU-1807
CRD-HCU-1811
CRD-HCU-1815
CRD-HCU-1819
CRD-HCU-1823
CRD-HCU-1827
CRD-HCU-1831
CRD-HCU-1835
CRD-HCU-1839
CRD-HCU-1843
CRD-HCU-1847
CRD-HCU-1851
CRD-HCU-1855
CRD-HCU-1859
CRD-HCU-2203
CRD-HCU-2207
CRD-HCU-2211
CRD-HCU-2215
CRD-HCU-2219
CRD-HCU-2223
CRD-HCU-2227
CRD-HCU-2231
CRD-HCU-2235
CRD-HCU-2239
CRD-HCU-2243
CRD-HCU-2247
CRD-HCU-2251
CRD-HCU-2255
CRD-HCU-2259
CRD-HCU-2603
CRD-HCU-2607
CRD-HCU-2611
CRD-HCU-2615
CRD-HCU-2619
CRD-HCU-2623
CRD-HCU-2627
CRD-HCU-2631
CRD-HCU-2635
CRD-HCU-2639
CRD-HCU-2643
CRD-HCU-2647
CRD-HCU-2651
CRD-HCU-2655
CRD-HCU-2659
CRD-HCU-3003
CRD-HCU-3007
CRD-HCU-3011
CRD-HCU-3015
CRD-HCU-3019
CRD-HCU-3023
CRD-HCU-3027

CRD-HCU GENERIC COMPONENT LIST

CRD-AO-126/xxxx
CRD-AO-127/xxxx
CRD-F-134/xxxx
CRD-F-135/xxxx
CRD-F-136/xxxx
CRD-LS-129/xxxx
CRD-PI-131/xxxx
CRD-POS-126xxxx
CRD-POS-127xxxx
CRD-PS-130/xxxx
CRD-RD-132/xxxx
CRD-SPV-117xxxx
CRD-SPV-118xxxx
CRD-SV-120/xxxx
CRD-SV-121/xxxx
CRD-SV-122/xxxx
CRD-SV-123/xxxx
CRD-TK-125/xxxx
CRD-TK-128/xxxx
CRD-V-101/xxxx
CRD-V-102/xxxx
CRD-V-103/xxxx
CRD-V-104/xxxx
CRD-V-105/xxxx
CRD-V-107/xxxx
CRD-V-111/xxxx
CRD-V-112/xxxx
CRD-V-113/xxxx
CRD-V-114/xxxx
CRD-V-115/xxxx
CRD-V-116/xxxx
CRD-V-126/xxxx
CRD-V-127/xxxx
CRD-V-137/xxxx
CRD-V-138/xxxx

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	LISTING OF CRD-HCU-XXXX AND CRD-HCU GENERIC COMPONENTS SHOWN ON FIGURE 6.5	FIGURE 6.5c



REACTOR BUILDING EL. 548'-0"

SAFETY RELATED EQUIPMENT -BY ZONES

ZONE B
- • RCIC-MO-V/64
- • 3.4×10^6 rads

RCIC-V-64+
RHR-V-16A+
RHR-V-17A+

LD-TE-1E
LD-TE-1F
LD-TE-2E
LD-TE-2F
LD-TE-3E
LD-TE-3F
RCIC-LS-6

ZONE C
- • ROA-AD-15
- • 1.1×10^4 rads

E-IR-P011+
ROA-AD-15+
ROA-AD-17+
SLC-P-1A+
SLC-P-1B+
SLC-TK-1+
SLC-V-1A+
SLC-V-1B+
SLC-V-4A+
SLC-V-4B+
**SLC-V-31+

SLC-PI-3
SLC-PT-4
**SLC-RMS-EHC/S2
**SLC-RMS-P/1A
**SLC-RMS-P/1B
**SW-V-201
**SW-V-204
**SW-V-211
**SW-V-212
**SW-V-213

ZONE E
- • S-SR-20+
- • 9.0×10^3 rads

RRA-FC-15+
S-SR-13+
S-SR-20+

**SW-PS-1014

ZONE F
- • S-SR-21+
- • 8.0×10^3 rads

RRA-FC-17+
S-SR-14+
S-SR-21+

**SW-PS-1015
**SW-V-206
**SW-V-209
**SW-V-210

ZONE G
- • E-IR-67+
- • 1.2×10^4 rads

E-IR-67+

**CMS-PT-7
**RRC-PS-36A

ZONE H
- • CAC-EHO-FCV/2B
- • 1.6×10^6 rads

CAC-FCV-2B+
CAC-V-11+
RCIC-V-13+
RCIC-V-65+
RHR-V-23+
**RCIC-V-19B+
RCIC-SPV-19B
RHR-FT-13
**CMS-MT-1
**CMS-MT-2
**CMS-MT-3
**CMS-MT-4
**CMS-MT-5
**PI-POS-EFCX/109
**PI-POS-EFCX/110
**PI-POS-EFCX/111
**PI-POS-EFCX/112
**PI-POS-EFCX/113

ZONE J
- • RHR-MO-49
- • 3.1×10^6 rads

RHR-HX-1B+
RHR-V-115+
RHR-V-116+
RHR-V-3B+
RHR-V-40+
RHR-V-48B+
RHR-V-49+
RHR-V-68B+
RHR-V-89+

RCIC-LS-5
RHR-CE-1B
RHR-TE-5B
RHR-V-60A
RHR-V-75B
SW-RV-1B
**RHR-FT-1

ZONE K
- • CAC-EHO-FCV/2A
- • 1.0×10^5 rads

CAC-FCV-2A+
CAC-V-2+
ROA-AD-19+
**REA-AD-8+

RHR-TE-27A
RHR-TE-27B
**FPC-PIS-20
**FPC-TE-4
**FPC-TE-5A
**FPC-TE-5B

ZONE L
- • RHR-MO-134B
- • 1.5×10^5 rads

FPC-P-1A+
FPC-P-1B+
FPC-V-181A+
FPC-V-181B+
RCC-V-129+
RCC-V-130+
RCC-V-131+
RHR-V-134B+
RRA-FC-19+
RRA-FC-20+
SW-V-187A+
SW-V-187B+
SW-V-188A+
SW-V-188B+

RCC-TS-10A
RCC-TS-10B
RHR-V-182

ZONE M
- • RHR-MO-134A
- • 4.4×10^4 rads

FPC-V-175+
RHR-V-134A+

ZONE N
- • RHR-MO-3A
- • 2.1×10^6 rads

RHR-HX-1A+
RHR-V-3A+
RHR-V-48A+
RHR-V-68A+

RCIC-LS-4
RHR-CE-1A
RHR-TE-5A
RHR-V-60B
RHR-V-75A
SW-RV-1A

ZONE P
- • E-IR-68+
- • 8.5×10^4 rads

E-IR-68+

**CMS-PT-8
**RRC-PS-36B

ZONE Q
- • CAC-MO-V/15
- • 1.0×10^6 rads

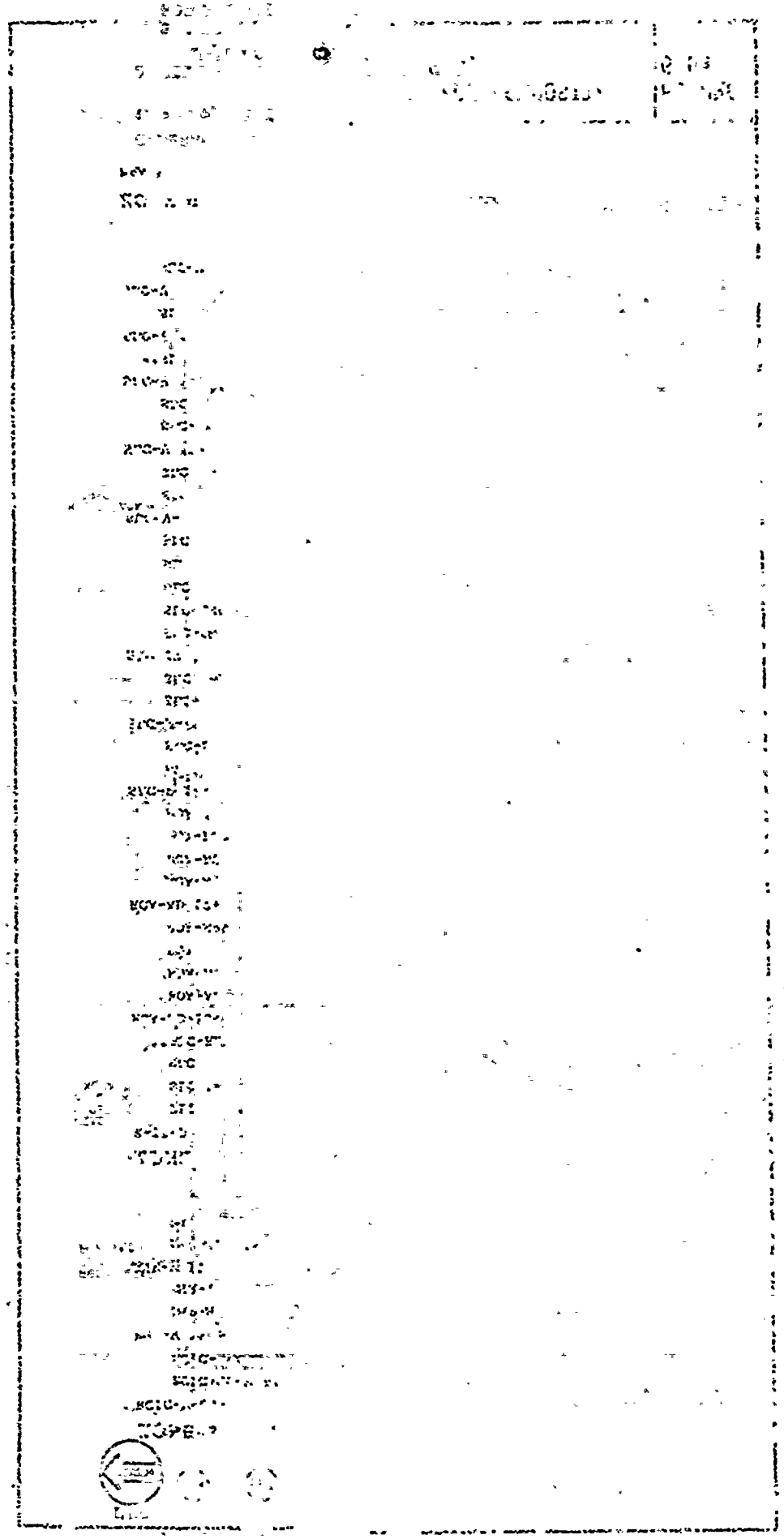
CAC-FCV-1B+
CAC-V-15+
CEP-V-1A+
CEP-V-1B+
CEP-V-2A+
CEP-V-2B+

**PI-POS-EFCX/106
**PI-POS-EFCX/107
**PI-POS-EFCX/108
**PI-POS-EFCX/114
**PI-POS-EFCX/115

GENERAL NOTES:

1. •,••,•,•• ARE IDENTIFIED IN GENERAL NOTES 2,3,4&5 ON DRAWING M-422 SHEET 1
2. SEE DWG. M-548 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES
3. SEE GENERAL NOTE 7 ON DRAWING M-422 SHEET 1 FOR PASSIVE EQUIPMENT

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	RADIATION ZONE MAP REACTOR BLDG EL. 548'-0"	FIGURE 6.6



ZONE B

RCIC-V-64+
- RCIC-MO-V/64
- RCIC-V-64

RHR-V-16A+
- RHR-MO-16A
- RHR-V-16A

RHR-V-17A+
- RHR-MO-17A
- RHR-V-17A

ZONE C

E-IR-P011+
- SLC-FIC-4
- SLC-LT-1
- SLC-RMS-V/S3
- **SLC-RLY-K1

ROA-AD-15+
- ROA-AD-15
- ROA-AO-AD/15
- ROA-POS-AD/15
- ROA-SPV-15

ROA-AD-17+
- ROA-AD-17
- ROA-AO-AD/17
- ROA-POS-AD/17
- ROA-SPV-17

SLC-P-1A+
- SLC-M-P/1A
- SLC-P-1A

SLC-P-1B+
- SLC-M-P/1B
- SLC-P-1B

SLC-TK-1+
- SLC-EHC-2
- SLC-EHC-3
- SLC-TE-6
- SLC-TIC-EHC/2
- SLC-TS-3

SLC-V-1A+
- SLC-MO-1A
- SLC-V-1A

SLC-V-1B+
- SLC-MO-1B
- SLC-V-1B

SLC-V-31+
- **SLC-POS-V/31

SLC-V-4A+
- SLC-V-4A

SLC-V-4B+
- SLC-V-4B

ZONE E

RRA-FC-15+
- RRA-CC-15
- RRA-FC-15
- RRA-FN-15
- RRA-M-FN/15

S-SR-13+
- CMS-AY-1

S-SR-20+
- CMS-RE-12/1A
- **CMS-M-P/A
- **CMS-P-A
- **CMS-RE-12/3A

ZONE F

RRA-FC-17+
- RRA-CC-17
- RRA-FC-17
- RRA-FN-17
- RRA-M-FN/17

S-SR-14+
- CMS-AY-2

S-SR-21+
- CMS-RE-12/1B
- **CMS-M-P/B
- **CMS-P-B
- **CMS-RE-12/3B

ZONE G

E-IR-67+
- CAC-FT-1A
- CAC-FT-2A
- CEP-SPV-1A
- CEP-SPV-1B
- CIA-PROG-1A
- CIA-PS-21A
- CIA-PS-22A
- CIA-PT-21A
- CIA-RLY-21A
- CIA-TDS-1A
- CMS-PT-1
- CMS-PT-5
- RCIC-SPV-65
- ROA-RLY-V/CR1A
- **RHR-SPV-50A

ZONE H

CAC-FCV-2B+
- CAC-EHO-FCV/2B
- CAC-FCV-2B
- CAC-POS-FCV/2B

CAC-V-11+
- CAC-MO-V/11
- **CAC-V-11

RCIC-V-13+
- RCIC-MO-V/13
- RCIC-V-13

RCIC-V-19B+
- **RCIC-POS-V/19B
- **RCIC-V-19B

RCIC-V-65+
- RCIC-AO-65
- RCIC-POS-V/65

RHR-V-23+
- RHR-MO-23
- RHR-V-23

ZONE J

RHR-HX-1B+
- RHR-LT-8B

RHR-V-115+
- RHR-MO-94
- RHR-V-115

RHR-V-116+
- RHR-MO-93
- RHR-V-116

RHR-V-3B+
- RHR-MO-3B
- RHR-V-3B

RHR-V-40+
- RHR-MO-40
- RHR-V-40

RHR-V-48B+
- RHR-MO-48B
- RHR-V-48B

RHR-V-49+
- RHR-MO-49
- RHR-V-49

RHR-V-68B+
- RHR-MO-68B
- RHR-V-68B

RHR-V-89+
- RHR-AO-89
- RHR-POS-V/89
- RHR-V-89

ZONE K

CAC-FCV-2A+
- CAC-EHO-FCV/2A
- CAC-FCV-2A
- CAC-POS-FCV/2A

CAC-V-2+
- CAC-MO-V/2
- CAC-V-2

REA-AD-8+
- **REA-AD-8
- **REA-M-AD/8
- **REA-POS-AD/8

ROA-AD-19+
- ROA-AD-19
- ROA-M-AD/19
- ROA-POS-AD/19

ZONE L

FPC-M-P/1A+
- FPC-M-P/1A
- FPC-P-1A

FPC-P-1B+
- FPC-M-P/1B
- FPC-P-1B

FPC-V-181A+
- FPC-MO-181A
- FPC-V-181A

FPC-V-181B+
- FPC-MO-181B
- FPC-V-181B

RCC-V-129+
- RCC-MO-129
- RCC-V-129

RCC-V-130+
- RCC-MO-130
- RCC-V-130

RCC-V-131+
- RCC-MO-131
- RCC-V-131

RHR-V-134B+
- RHR-MO-134B
- RHR-V-134B

RRA-FC-19+
- RRA-CC-19
- RRA-FC-19
- RRA-FN-19
- RRA-M-FN/19

RRA-FC-20+
- RRA-CC-20
- RRA-FC-20
- RRA-FN-20
- RRA-M-FN/20

SW-V-187A+
- SW-MO-187A
- SW-V-187A

SW-V-187B+
- SW-MO-187B
- SW-V-187B

SW-V-188A+
- SW-MO-188A
- SW-V-188A

SW-V-188B+
- SW-MO-188B
- SW-V-188B

ZONE M

FPC-V-175+
- FPC-MO-175
- FPC-V-175

RHR-V-134A+
- RHR-MO-134A
- RHR-V-134A

ZONE N

RHR-HX-1A+
- RHR-LT-8A

RHR-V-9A+
- RHR-MO-3A
- RHR-V-3A

RHR-V-48A+
- RHR-MO-48A
- RHR-V-48A

RHR-V-68A+
- RHR-MO-68A
- RHR-V-68A

ZONE P

E-IR-68+
- CAC-FT-1B
- CAC-FT-2B
- CEP-SPV-2A
- CEP-SPV-2B
- CIA-PROG-1B
- CIA-PS-21B
- CIA-PS-22B
- CIA-PT-21B
- CIA-RLY-21B
- CIA-TDS-1B
- CMS-PT-2
- CMS-PT-2R
- CMS-PT-6
- CMS-PT-6R
- REA-RLY-V/CR2
- REA-SPV-2

ZONE Q

CAC-FCV-1B+
- CAC-EHO-FCV/1B
- CAC-FCV-1B
- CAC-POS-FCV/1B

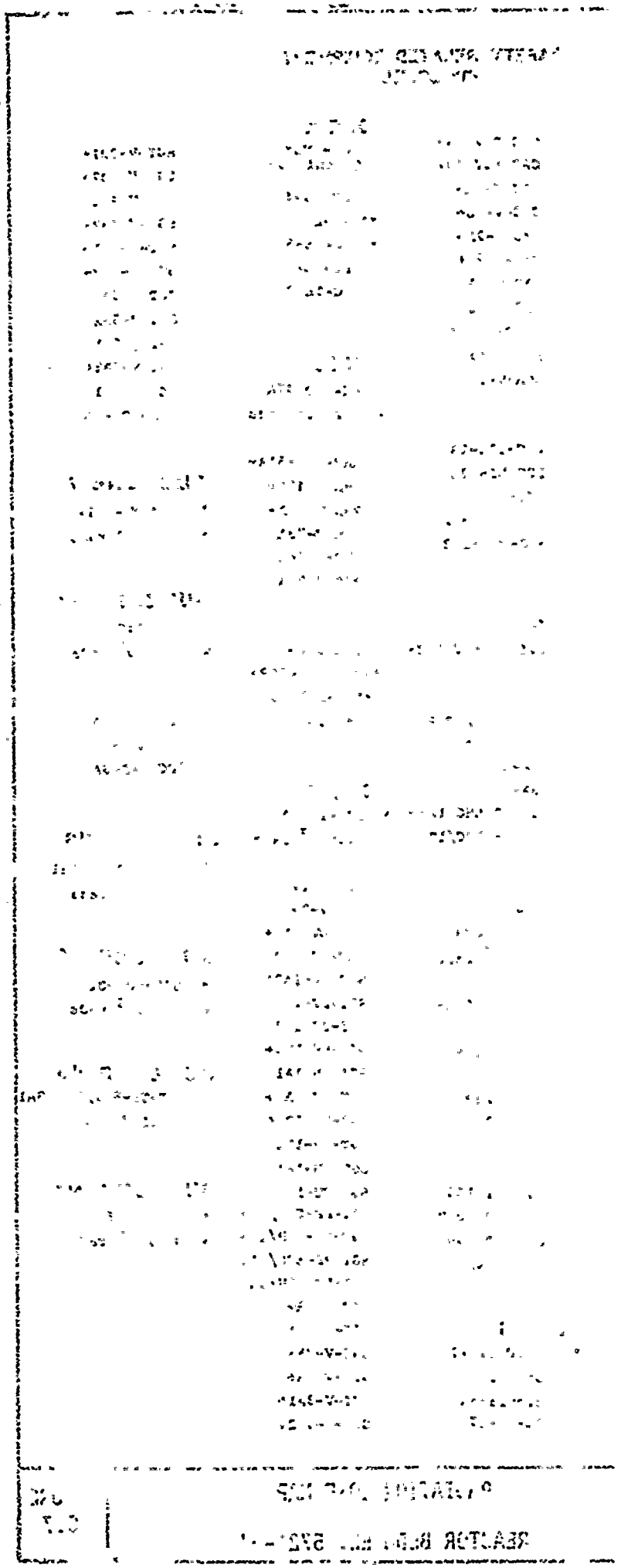
CAC-V-15+
- CAC-MO-V/15
- CAC-V-15

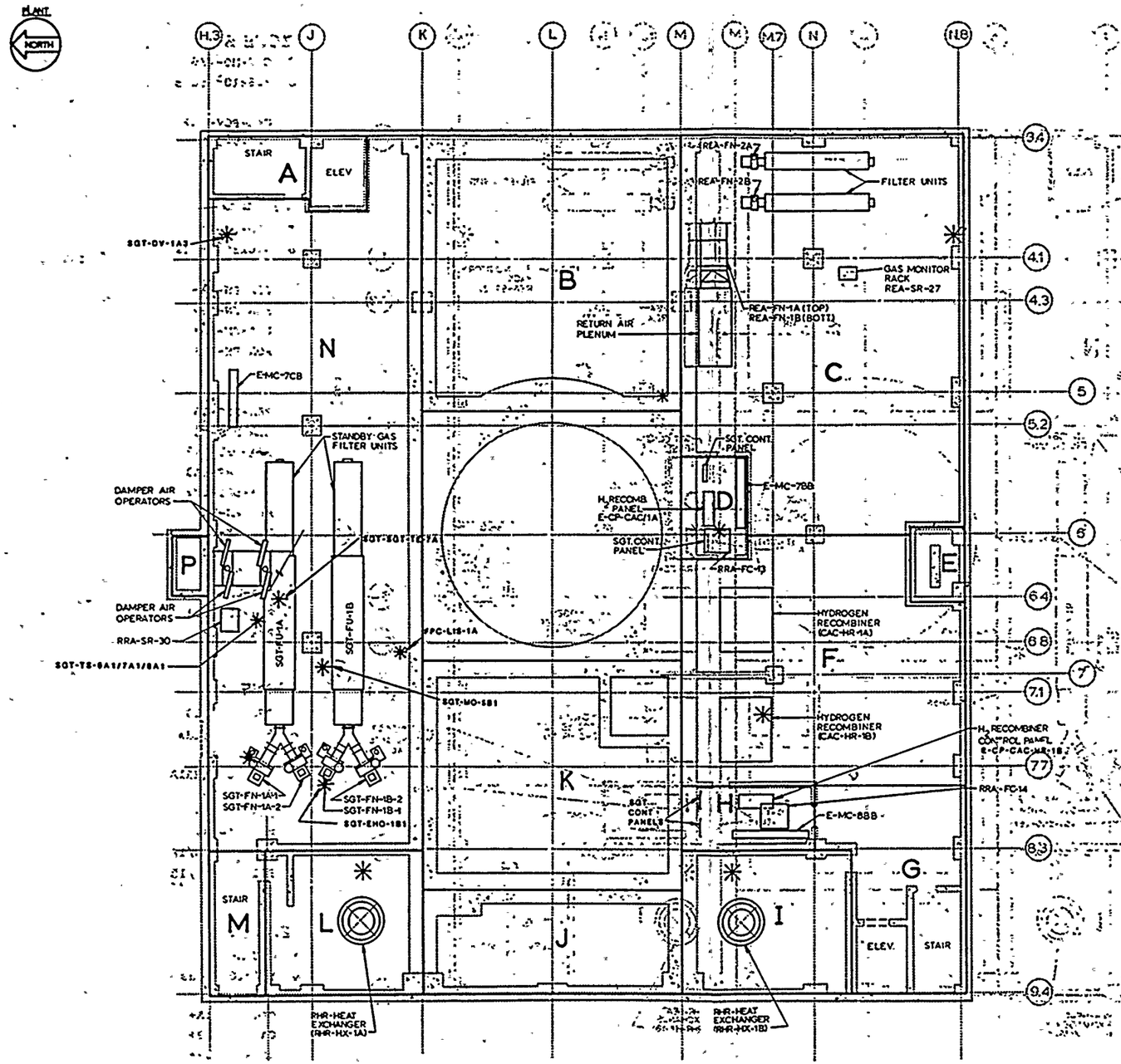
CEP-V-1A+
- CEP-AO-V/1A
- CEP-POS-V/1A
- CEP-V-1A

CEP-V-1B+
- CEP-AO-V/1B
- CEP-POS-V/1B
- CEP-V-1B
- CEP-V-2A+
- CEP-AO-V/2A
- CEP-POS-V/2A
- CEP-V-2A

CEP-V-2B+
- CEP-AO-V/2B
- CEP-POS-V/2B
- CEP-V-2B

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON FIGURE 6.6	FIGURE 6.6a





REACTOR BUILDING EL. 572'-0"

SAFETY RELATED EQUIPMENT -BY ZONES

ZONE B
- CAC-HO-V/6
- 7.6×10^5 rads

CAC-FCV-1A+
CAC-V-6+

ZONE C
- ROA-FN-1A
- 3.0×10^4 rads

REA-FN-1A+
REA-FN-1B+
ROA-FN-1A+
ROA-FN-1B+

REA-DPS-1A
REA-DPS-1B
REA-DPT-1A2
REA-DPT-1A3
REA-DPT-1B2
REA-RE-9A
REA-RE-9B
REA-RE-9C
REA-RE-9D
ROA-DPS-11A
ROA-DPS-11B
REA-RE-19

ZONE D
- RRA-M-FN/13
- 5.7×10^4 rads

E-CP-CAC/HR1A+
E-MC-7BB+
ROA-AD-13+
RRA-FC-13+
SGT-PP-EHC/1A1+
SGT-PP-EHC/1B1+

ZONE F
- CAC-M-1B
- 1.0×10^6 rads

CAC-EHC-1A+
CAC-EHC-1B+
CAC-FCV-5A+
CAC-FCV-5B+
CAC-FCV-6A+
CAC-FCV-6B+
CAC-HR-1A+
CAC-HR-1B+
CAC-TCV-4A+
CAC-TCV-4B+
CAC-V-1A+
CAC-V-1B+
CAC-V-2A+
CAC-V-2B+
CAC-V-3A+
CAC-V-3B+
RCIC-V-66+
ROA-V-1+
ROA-V-2+

FPC-LIS-1B
FPC-LIS-2B
FPC-LIS-3B1
FPC-LIS-3B2
REA-DPT-1B3

ZONE H
- SGT-PP-EHC/1B2+
- 9.1×10^3 rads

E-CP-CAC/HR1B+
E-MC-8BB+
ROA-AD-14+
RRA-FC-14+
SGT-PP-EHC/1A2+
SGT-PP-EHC/1B2+

ZONE I
- RHR-MO-47B
- 1.1×10^6 rads

RHR-PCV-51B+
RHR-V-47B+
RHR-V-52B+
RHR-V-73B+
RHR-V-74B+
RHR-V-87B+

REA-DPT-1B4
**RHR-POT-608B
**RHR-POT-609B
**RHR-TE-4B

ZONE J
- **FPC-FT-17
- Dose Not Calculated

**FPC-FT-17

ZONE K
- Dose Not Calculated

**FPC-LS-4
**FPC-LS-5
**FPC-TE-6
**FPC-TE-7
**FPC-TE-8

ZONE L
- RHR-MO-47A
- 1.2×10^6 rads

RHR-PCV-51A+
RHR-V-47A+
RHR-V-52A+
RHR-V-73A+
RHR-V-74A+
RHR-V-87A+

REA-DPT-1A4
**RHR-POT-608A
**RHR-POT-609A
**RHR-TE-4A

ZONE N
- SGT-TE-7A1
- 4.4×10^7 rads

REA-V-1+
REA-V-2+
SGT-DV-1A1+
SGT-DV-1A2+
SGT-DV-1A3+
SGT-DV-1B1+
SGT-DV-1B2+
SGT-DV-1B3+
SGT-FN-1A1+
SGT-FN-1A2+
SGT-FN-1B1+
SGT-FN-1B2+
SGT-FU-1A+
SGT-FU-1B+
SGT-PP-ESH/1A+
SGT-PP-ESH/1B+
SGT-PP-ESH/2A+
SGT-PP-ESH/2B+
SGT-V-1A+
SGT-V-1B+
SGT-V-2A+
SGT-V-2B+
SGT-V-3A1+
SGT-V-3A2+
SGT-V-3B1+
SGT-V-3B2+
SGT-V-4A1+
SGT-V-4A2+
SGT-V-4B1+
SGT-V-4B2+
SGT-V-5A1+
SGT-V-5A2+
SGT-V-5B1+
SGT-V-5B2+
REA-DPT-1A1
REA-DPT-1B1

SUBZONE N1
- SGT-DV-1A3+
- 6.8×10^4 rads

SUBZONE N2
- FPC-LIS-1A
- 9.7×10^5 rads

FPC-LIS-1A
FPC-LIS-2A
FPC-LIS-3A1
FPC-LIS-3A2

SUBZONE N3
- SGT-EHO-FN/1B1
- 3.0×10^5 rads

SUBZONE N4
- SGT-MO-5B1
- 1.1×10^6 rads

SUBZONE N5
- SGT-TS-6A1/7A1/8A1
- 4.5×10^6 rads

SUBZONE N6
- SGT-TE-7A1
- 4.4×10^7 rads

GENERAL NOTES:

1. *,**,●,●● ARE IDENTIFIED IN GENERAL NOTES 2,3,4&5 ON DRAWING M-422 SHEET 1
2. SEE DWG. M-572 SHEETS 2&3 OF 3 FOR COMPONENTS OF LISTED COMPOSITES
3. SEE GENERAL NOTE 7 ON DRAWING M-422 SHEET 1 FOR PASSIVE EQUIPMENT

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	RADIATION ZONE MAP REACTOR BLDG EL. 572'-0"	FIGURE 6.7

ZONE B

CAC-PCV-1A+
CAC-EHO-PCV/1A
CAC-PCV-1A
CAC-POS-PCV/1A
CAC-V-6+
CAC-MO-V/6
CAC-V-6

ZONE C

REA-FN-1A+
REA-M-FN/1A
REA-FN-1B+
REA-M-FN/1B
ROA-FN-1A+
ROA-FN-1A
ROA-M-FN/1A
ROA-FN-1B+
ROA-FN-1B
ROA-M-FN/1B

ZONE D

E-CP-CAC/HR1A+
CAC-PI-5A1
CAC-FIC-PCV/67A
CAC-FR-67A1
CAC-FS-6A
CAC-LI-1A
CAC-LS-1A
CAC-PI-1A1
CAC-R/I-4A
CAC-RLY-CR4AV14
CAC-RMC-5A/LOCL
CAC-RMS-EHC1A
CAC-TDS-1A
CAC-TIC-TCV/4A
CAC-TR-1A1
CAC-TS-1A
CAC-TS-2A
CAC-TS-3A
CAC-TS-5A
CAC-TS-6A
**CAC-E/S-1A24
**CAC-E/S-1A43
**CAC-RLY-CR3A
**CAC-RLY-CR5A
**CAC-RLY-CR6A
**CAC-RLY-HR1A
**CAC-RLY-HR2A
**CAC-RLY-TDE2A
**CAC-RMC-2A/LOCL
**CAC-RMS-11A/LOC
**CAC-RMS-1ASTA
**CAC-RMS-1ASTO
**CAC-RMS-PBA/LOC
E-MC-7BB+
CAC-42-EHC1A
CAC-42-FDR1A
CAC-42-FN/1A
CAC-RLY-FN1A/80
E-42-7BB/8ASPAR
E-42-7BB/8CSPAR
E-42-FLP/7BA
E-42-OBLGT/CP
RHR-42-V/16A
RHR-42-V/17A
RHR-42-V/3A
RHR-42-V/47A
RHR-42-V/48A
RHR-42-V/52A
RHR-42-V/68A
RHR-42-V/73A
RHR-42-V/74A
RHR-42-V/87A
RRA-42-FN/13
RRA-42-FN/15
SGT-42-EHC/1B1
SGT-42-FN/1A1
SGT-42-FN/1B1
SGT-42-V/1A
SGT-42-V/3A1
SGT-42-V/3B1
SGT-42-V/4A1
SGT-42-V/4B1
SGT-42-V/5A1
SGT-42-V/5B1
**FPC-42-P/1A
**FPC-RLY-P/CR1A
**FPC-TD-P/TKP1A
**RCC-42-V/130
**RRA-42-FN/19
**SGT-42-EHC/1A1
**SW-42-V/188A
ROA-AD-13+
ROA-AD-13
ROA-AO-AD/13
ROA-POS-AD/13
ROA-SPV-13
RRA-FC-13+
RRA-CC-13
RRA-FC-13
RRA-FN-13
RRA-M-FN/13
SGT-PP-EHC/1A1+
SGT-RLY-EH1A11
SGT-RLY-EH1A12
SGT-RLY-EH1A13
SGT-RLY-EH1A14
SGT-RLY-EH1A15
SGT-RLY-EH1A16
SGT-RLY-EH1A17
SGT-RMS-EH1A15
SGT-RMS-EH1A16
SGT-RMS-EH1A19
SGT-RMS-EH1A1T1
SGT-RMS-EH1A1T2
SGT-RMS-EH1A1T3
SGT-XE-1RH/1A1
SGT-XE-1RH/1A2
SGT-XE-1RHS/1A1
SGT-XE-1RHS/1A2
SGT-XE-2RH/1A1
SGT-XE-2RHS/1A1
SGT-XE-3RH/1A1
SGT-XE-3RHS/1A1
**SGT-CNTR-H/1A11
**SGT-CNTR-H/1A12
**SGT-CNTR-H/1A13
**SGT-RLY-1A1TR1C
**SGT-RLY-1A1TR2C
SGT-PP-EHC/1B1+
SGT-RLY-EH1B11
SGT-RLY-EH1B12
SGT-RLY-EH1B13
SGT-RLY-EH1B14
SGT-RLY-EH1B15
SGT-RLY-EH1B16
SGT-RLY-EH1B17
SGT-RMS-EH1B15
SGT-RMS-EH1B16
SGT-RMS-EH1B19
SGT-RMS-EH1B1T1
SGT-RMS-EH1B1T2
SGT-RMS-EH1B1T3
SGT-XE-1RH/1B1
SGT-XE-1RH/1B2
SGT-XE-1RHS/1B1
SGT-XE-1RHS/1B2
SGT-XE-2RH/1B1
SGT-XE-2RHS/1B1
SGT-XE-3RH/1B1
SGT-XE-3RHS/1B1
**SGT-CNTR-H/1B11
**SGT-CNTR-H/1B12
**SGT-CNTR-H/1B13
**SGT-RLY-1B1TR1C
**SGT-RLY-1B1TR2C

ZONE F

CAC-EHC-1A+
CAC-CNTR-1B
CAC-EHC-1B+
CAC-CNTR-1B
CAC-FCV-5A+
CAC-EHO-FCV/5A
CAC-FCV-5A
CAC-POS-FCV/5A
CAC-FCV-5B+
CAC-EHO-FCV/5B
CAC-FCV-5B
CAC-POS-FCV/5B
CAC-FCV-6A+
CAC-EHO-FCV/6A
CAC-FCV-6A
CAC-POS-FCV/6A
CAC-FCV-6B+
CAC-EHO-FCV/6B
CAC-FCV-6B
CAC-POS-FCV/6B
CAC-HR-1A+
CAC-EHC-1A
CAC-FN-1A
CAC-FT-5A
CAC-FT-6A
CAC-FT-7A
CAC-LT-1A
CAC-M-1A
CAC-PI-2A
CAC-PI-3A
CAC-PT-68A
CAC-RV-63A
CAC-RV-65A
CAC-TE-1A
CAC-TE-2A
CAC-TE-3A
CAC-TE-4A
CAC-TE-5A
CAC-TE-6A
CAC-TT-4A
**CAC-PS-68A
CAC-HR-1B+
CAC-EHC-1B
CAC-FN-1B
CAC-FT-5B
CAC-FT-6B
CAC-FT-7B
CAC-LT-1B
CAC-M-1B
CAC-PI-2B
CAC-PI-3B
CAC-PT-68B
CAC-RV-63B
CAC-RV-65B
CAC-TE-1B
CAC-TE-2B
CAC-TE-3B
CAC-TE-4B
CAC-TE-5B
CAC-TE-6B
CAC-TT-4B
**CAC-PS-68B
CAC-TCV-4A+
CAC-EHO-TCV/4A
CAC-POS-TCV/4A
CAC-TCV-4A
CAC-TCV-4B+
CAC-EHO-TCV/4B
CAC-POS-TCV/4B
CAC-TCV-4B
CAC-V-1A+
CAC-EHO-V/1A
CAC-POS-V/1A
CAC-V-1A
CAC-V-1B+
CAC-EHO-V/1B
CAC-POS-V/1B
CAC-V-1B
CAC-V-2A+
CAC-EHO-V/2A
CAC-POS-V/2A
CAC-V-2A
CAC-V-2B+
CAC-EHO-V/2B
CAC-POS-V/2B
CAC-V-2B
CAC-V-3A+
CAC-EHO-V/3A
CAC-POS-V/3A
CAC-V-3A
CAC-V-3B+
CAC-EHO-V/3B
CAC-POS-V/3B
CAC-V-3B
ROA-V-1+
ROA-AO-V/1
ROA-POS-V/1
ROA-SPV-100
ROA-V-1
ROA-V-2+
ROA-AO-V/2
ROA-POS-V/2
ROA-SPV-200
ROA-V-2

ZONE H

E-CP-CAC/HR1B+
CAC-PI-5B1
CAC-FIC-FCV/67B
CAC-FR-67B1
CAC-FS-6B
CAC-LI-1B
CAC-LS-1B
CAC-PI-1B1
CAC-R/I-4B
CAC-RLY-CR4BV14
CAC-RMC-5B/LOCL
CAC-RMS-EHC1B
CAC-TDS-1B
CAC-TIC-TCV/4B
CAC-TR-1B1
CAC-TS-1B
CAC-TS-2B
CAC-TS-3B
CAC-TS-5B
CAC-TS-6B
**CAC-E/S-1B24
**CAC-E/S-1B43
**CAC-RLY-CR3B
**CAC-RLY-CR5B
**CAC-RLY-CR6B
**CAC-RLY-HR1B
**CAC-RLY-HR2B
**CAC-RLY-TDE2B
**CAC-RMC-2B/LOCL
**CAC-RMS-11B/LOC
**CAC-RMS-1BSTA
**CAC-RMS-1BSTO
**CAC-RMS-PBB/LOC
E-MC-8BB+
CAC-42-EHC1B
CAC-42-FDR1B
CAC-42-FN/1B
CAC-RLY-FN1B/80
RHR-42-V/115
RHR-42-V/116
RHR-42-V/3B
RHR-42-V/47B
RHR-42-V/48B
RHR-42-V/49
RHR-42-V/52B
RHR-42-V/68B
RHR-42-V/73B
RHR-42-V/74B
RHR-42-V/87B
RRA-42-FN/14
RRA-42-FN/17
SGT-42-EHC/1A23
SGT-42-EHC/1B2
SGT-42-FN/1A2
SGT-42-FN/1B2
SGT-42-V/1B
SGT-42-V/3A2
SGT-42-V/3B2
SGT-42-V/4A2
SGT-42-V/4B2
SGT-42-V/5A2
SGT-42-V/5B2
**FPC-42-P/1B
**FPC-RLY-P/CR1B
**FPC-TD-P/TKP1B
**RCC-42-V/131
**SW-42-V/188B
ROA-AD-14+
ROA-AD-14
ROA-AO-AD/14
ROA-POS-AD/14
ROA-SPV-14
RRA-FC-14+
RRA-CC-14
RRA-FC-14
RRA-FN-14
RRA-M-FN/14
SGT-PP-EHC/1A2+
SGT-RLY-EH1A21
SGT-RLY-EH1A22
SGT-RLY-EH1A23
SGT-RLY-EH1A24
SGT-RLY-EH1A25
SGT-RLY-EH1A26
SGT-RLY-EH1A27
SGT-RMS-EH1A25
SGT-RMS-EH1A26
SGT-RMS-EH1A29
SGT-RMS-EH1A2T1
SGT-RMS-EH1A2T2
SGT-RMS-EH1A2T3
SGT-XE-2RH/1A2
SGT-XE-2RHS/1A2
SGT-XE-3RH/1A2
SGT-XE-3RHS/1A2
**SGT-CNTR-H/1A21
**SGT-CNTR-H/1A22
**SGT-CNTR-H/1A23
**SGT-RLY-1A2TR1C
**SGT-RLY-1A2TR2C
SGT-PP-EHC/1B2+
SGT-RLY-EH1B21
SGT-RLY-EH1B22
SGT-RLY-EH1B23
SGT-RLY-EH1B24
SGT-RLY-EH1B25
SGT-RLY-EH1B26
SGT-RLY-EH1B27
SGT-RMS-EH1B25
SGT-RMS-EH1B26
SGT-RMS-EH1B29
SGT-RMS-EH1B2T1
SGT-RMS-EH1B2T2
SGT-RMS-EH1B2T3
SGT-XE-2RH/1B2
SGT-XE-2RHS/1B2
SGT-XE-3RH/1B2
SGT-XE-3RHS/1B2
**SGT-CNTR-H/1B21
**SGT-CNTR-H/1B22
**SGT-CNTR-H/1B23
**SGT-RLY-1B2TR1C
**SGT-RLY-1B2TR2C

ZONE I

RHR-PCV-51B+
RHR-PCV-51B
RHR-V-47B+
RHR-MO-47B
RHR-V-47B
RHR-V-52B+
RHR-MO-52B
RHR-V-52B
RHR-V-73B+
RHR-MO-73B
RHR-V-73B
RHR-V-74B+
RHR-MO-74B
RHR-V-74B
RHR-V-87B+
RHR-MO-87B
RHR-V-87B

ZONE L

RHR-PCV-51A+
RHR-PCV-51A
RHR-V-47A+
RHR-MO-47A
RHR-V-47A
RHR-V-52A+
RHR-MO-52A
RHR-V-52A
RHR-V-73A+
RHR-MO-73A
RHR-V-73A
RHR-V-74A+
RHR-MO-74A
RHR-V-74A
RHR-V-87A+
RHR-MO-87A
RHR-V-87A

ZONE N

REA-V-1+
REA-POS-V/1
REA-V-1
REA-V-2+
REA-POS-V/2
REA-V-2
SGT-DV-1A1+
SGT-PI-8A1
SGT-DV-1A2+
SGT-PI-6A1
SGT-DV-1A3+
SGT-PI-7A1
SGT-DV-1B1+
SGT-PI-8B1
SGT-DV-1B2+
SGT-PI-6B1
SGT-DV-1B3+
SGT-PI-7B1
SGT-FN-1A1+
SGT-AD-1A1
SGT-FN-1A1
SGT-FN-1A2+
SGT-AD-1A2
SGT-FN-1A2
SGT-FN-1B1+
SGT-AD-1B1
SGT-FN-1B1
SGT-FN-1B2+
SGT-AD-1B2
SGT-FN-1B2
SGT-FU-1A+
SGT-CNTR-ESH1A
SGT-CNTR-ESH2A
SGT-DPIS-1A
SGT-DPIS-2A
SGT-DPIS-3A
SGT-DPIS-4A
SGT-DPIS-5A
SGT-DPIS-6A
SGT-EHC-1A1
SGT-EHC-1A2
SGT-ESH-1A
SGT-ESH-2A
SGT-FS-2A1
SGT-ME-16A
SGT-ME-17A

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON FIGURE 6.7	FIGURE 6.7a

EQUIPMENT SHOWN ON FIGURE 6.7	FIGURE 6.7b

ZONE B

LPCS-V-5+
- LPCS-MO-5
- LPCS-V-5

ZONE C

CRD-FCV-2A+
- CRD-AO-2A
- CRD-FCV-2A
- CRD-M/A-9A

CRD-FCV-2B+
- CRD-AO-2B
- CRD-FCV-2B
- **CRD-M/A-9B

CRD-IR-1+
- CRD-DPIS-2
- CRD-DPT-11
- CRD-DPT-8

CRD-IR-2+
- CRD-PT-5

CRD-IR-3+
- CRD-E/P-001
- CRD-PT-52
- CRD-SPV-110A
- CRD-SPV-110B
- CRD-SPV-9

CRD-V-3+
- CRD-MO-3
- CRD-V-3

E-IR-P002+
- RWCU-FT-36
- RWCU-FT-41
- **RWCU-DPIS-25
- **RWCU-FT-15

E-IR-P005+
- MS-LIS-24C
- MS-LIS-31B
- MS-LITS-26C
- MS-PS-20C
- MS-PS-23C
- MS-PS-47B
- MS-PS-47D
- RPS-PS-2C

ZONE D

E-MC-8B+
- CIA-42-C1B
- CIA-42-V/30B
- CRA-42-AD1B1
- CRA-42-AD2B
- CRA-42-FN/1C1
- CRA-42-FN/1C2
- CRA-42-FN/2B1
- CRA-42-FN/2B2
- CRA-42-FN/3B
- CRA-42-FN/3C
- CRA-42-FN/4B
- CRA-42-FN/5B
- CRA-42-FN/5D
- CRA-RLY-FN/4BCR
- E-42-8B/10BSP
- E-42-8B/10CPUT
- E-42-8B/2ASPARE
- E-42-ELP/8BB
- E-CB-MC8BA
- E-CB-MC8BB
- MSLC-42-FN/2
- MSLC-42-V/10
- MSLC-42-V/4
- MSLC-42-V/5
- MSLC-42-V/9
- MSLC-RLY-80/V10
- MSLC-RLY-80/V4
- MSLC-RLY-80/V5
- MSLC-RLY-80/V9
- RHR-42-P/3
- RRA-42-FN/1
- RRA-42-FN/10
- RRA-42-FN/3
- RRA-42-FN/6
- SGT-42-ESH/1B
- SGT-42-ESH/2B
- SLC-42-HA
- SLC-42-HB
- SLC-42-P/1B
- SLC-42-V/1B
- **CRA-42-FN/1B1
- **CRA-42-FN/1B2
- **E-CT-8BA
- **E-CT-8BB
- **E-RLY-50G/8BA
- **E-RLY-50G/8BB
- **MSLC-RLY-80/FN2

E-MC-8BA+
- FPC-42-V/153
- FPC-42-V/173
- FPC-42-V/175
- FPC-42-V/181B
- FPC-42-V/184
- MS-42-V/16
- RCC-42-V/104
- RCC-42-V/129
- RCIC-42-V/63
- RCIC-42-V/76
- RHR-42-FCV/64B
- RHR-42-FCV/64C
- RHR-42-V/11B
- RHR-42-V/123A
- RHR-42-V/123B
- RHR-42-V/125A
- RHR-42-V/125B
- RHR-42-V/134B
- RHR-42-V/16B
- RHR-42-V/17B
- RHR-42-V/21
- RHR-42-V/24B
- RHR-42-V/26B
- RHR-42-V/27B
- RHR-42-V/42B
- RHR-42-V/42C
- RHR-42-V/4B
- RHR-42-V/4C
- RHR-42-V/6B
- RHR-42-V/9
- RRA-42-FN/20
- RRC-42-V/16A
- RWCU-42-V/1
- SW-42-V/187B
- SW-42-V/24B
- SW-42-V/24C
- **E-42-ELP/8BA
- **RCC-42-V/40
- **SW-42-V/75B

ROA-AD-10+
- ROA-AD-10
- ROA-AO-AD/10
- ROA-POS-AD/10
- ROA-SPV-10

RRA-FC-10+
- RRA-CC-10
- RRA-FC-10
- RRA-FN-10
- RRA-M-FN/10

ZONE F

RWCU-V-4+
- RWCU-MO-4
- RWCU-V-4

ZONE G

RHR-V-42B+
- RHR-MO-42B
- RHR-V-42B

ZONE H

CIA-V-30B+
- CIA-MO-30B
- CIA-V-30B

E-IR-69+
- FPC-PI-6BG
- FPC-PS-6B
- FPC-PS-9B
- FPC-RHS-P1B
- RHR-I/P-1B
- RHR-I/P-3B
- RHR-SPV-51B
- RHR-SPV-65B
- ROA-RLY-V/CR200
- **FPC-FT-16
- **FPC-PI-9BG
- **RHR-SPV-41B
- **RHR-SPV-89

E-IR-P008+

E-IR-P027+
- MS-LIS-24B
- MS-LIS-36D
- MS-LIS-37B
- MS-LIS-37D
- MS-LIS-38B
- MS-LITS-26B
- MS-LT-27
- MS-PI-4D
- MS-PS-20B
- MS-PS-23B
- MS-PS-45C
- MS-PS-45D
- MS-PS-48B
- MS-PS-48D
- MS-PT-51B
- RPS-PS-2B

E-IR-P039+

E-SH-11+
- RRC-CB-P1A/RPT4

E-SH-12+
- RRC-CB-P1B/RPT4

HPCS-V-4+
- HPCS-MO-4
- HPCS-V-4

S-SR-43+
- SW-RE-5
- SW-RT-2

SW-V-75B+
- SW-MO-75B
- SW-V-75B

ZONE K

CIA-V-20+
- CIA-MO-20
- CIA-V-20

E-IR-71+
- CIA-PS-39A
- FPC-PI-6AG
- FPC-PS-6A
- FPC-PS-9A
- FPC-RHS-P1A
- RCIC-SPV-66
- REA-RLY-V/CR1
- REA-SPV-1
- RHR-I/P-1A
- RHR-I/P-3A
- RHR-SPV-51A
- RHR-SPV-65A
- **FPC-PI-9AG

E-IR-74+
- CIA-PS-39B
- MSLC-PI-2
- MSLC-PS-20
- MSLC-PS-24
- MSLC-PS-25
- MSLC-PS-60
- MSLC-PT-23
- MSLC-RLY-CR/
- MSLC-RLY-CR/3
- MSLC-RLY-CR/4
- MSLC-RLY-CR/5
- MSLC-TD-TK/2

E-IR-P004+
- MS-LIS-24A
- MS-LIS-31A
- MS-LIS-31C
- MS-LITS-26A
- MS-PS-20A
- MS-PS-23A
- MS-PS-47A
- MS-PS-47C
- RPS-PS-2A
- RPS-PS-4
- **MS-LIS-31D

FPC-FCV-1+
- FPC-FCV-1

S-SR-42+
- SW-RE-4
- SW-RT-1

ROA-AD-11+
- ROA-AD-11
- ROA-AO-AD/11
- ROA-POS-AD/11
- ROA-SPV-11

SW-V-75A+
- SW-MO-75A
- SW-V-75A

ZONE N

E-MC-7B+
- CIA-42-C1A
- CIA-42-V/20
- CIA-42-V/30A
- CRA-42-AD1A1
- CRA-42-AD2A
- CRA-42-FN/1A1
- CRA-42-FN/1A2
- CRA-42-FN/2A1
- CRA-42-FN/2A2
- CRA-42-FN/3A
- CRA-42-FN/4A
- CRA-42-FN/5A
- CRA-42-FN/5C
- CRA-RLY-FN1A280
- CRA-RLY-FN2A180
- CRA-RLY-FN2A280
- CRA-RLY-FN/4ACR
- E-42-ELP/7BB
- E-CB-MC7BA
- E-CB-MC7BB
- E-RLY-ARSTD2A1
- LPCS-42-P/2
- RCIC-42-P/3
- RRA-42-FN/11
- RRA-42-FN/12
- RRA-42-FN/2
- RRA-42-FN/5
- SGT-42-ESH/1A
- SGT-42-ESH/2A
- SLC-42-P/1A
- SLC-42-V/1A
- SW-42-V/24A
- SW-42-V/44
- SW-RLY-V/44
- **E-CT-7BA
- **E-CT-7BB
- **E-RLY-50G/7BA
- **E-RLY-50G/7BB
- **RWCU-42-V/40

E-MC-7BA+
- FPC-42-V/154
- FPC-42-V/156
- FPC-42-V/172
- FPC-42-V/181A
- LPCS-42-FCV/11
- LPCS-42-V/1
- LPCS-42-V/12
- LPCS-42-V/5
- LPCS-RLY-FV1180
- LPCS-RLY-80/V1
- LPCS-RLY-80/V12
- LPCS-RLY-80/V5
- MS-42-V/67A
- MS-42-V/67B
- MS-42-V/67C
- MS-42-V/67D
- MSLC-42-EHC/A
- MSLC-42-EHC/B
- MSLC-42-EHC/C
- MSLC-42-EHC/D
- MSLC-42-FN/1
- MSLC-42-V/1A
- MSLC-42-V/1B
- MSLC-42-V/1C
- MSLC-42-V/1D
- MSLC-42-V/2A
- MSLC-42-V/2B
- MSLC-42-V/2C
- MSLC-42-V/2D
- MSLC-42-V/3A
- MSLC-42-V/3B
- MSLC-42-V/3C
- MSLC-42-V/3D
- MSLC-RLY-80/V1A
- MSLC-RLY-80/V1B
- MSLC-RLY-80/V1C
- MSLC-RLY-80/V1D
- MSLC-RLY-80/V2A
- MSLC-RLY-80/V2B
- MSLC-RLY-80/V2C
- MSLC-RLY-80/V2D
- MSLC-RLY-80/V3A
- MSLC-RLY-80/V3B
- MSLC-RLY-80/V3C
- MSLC-RLY-80/V3D
- MSLC-RLY-H/A/80
- MSLC-RLY-H/B/80
- MSLC-RLY-H/C/80
- MSLC-RLY-H/D/80
- RCC-42-V/21
- RCC-42-V/5
- RHR-42-FCV/64A
- RHR-42-V/11A
- RHR-42-V/124A
- RHR-42-V/124B
- RHR-42-V/134A
- RHR-42-V/24A
- RHR-42-V/26A
- RHR-42-V/27A
- RHR-42-V/42A
- RHR-42-V/4A
- RHR-42-V/53A
- RHR-42-V/53B
- RHR-42-V/6A
- RRC-42-V/16B
- SW-42-V/187A
- SW-42-V/75A
- **MSLC-RLY-80/FN1

RRA-FC-11+
- RRA-CC-11
- RRA-FC-11
- RRA-FN-11
- RRA-M-FN/11

ZONE O

RHR-V-42A+
- RHR-MO-42A
- RHR-V-42A

RHR-V-42C+
- RHR-MO-42C
- RHR-V-42C

ZONE P

CIA-V-30A+
- CIA-MO-30A
- CIA-V-30A

CRD-V-10+
- CRD-V-10

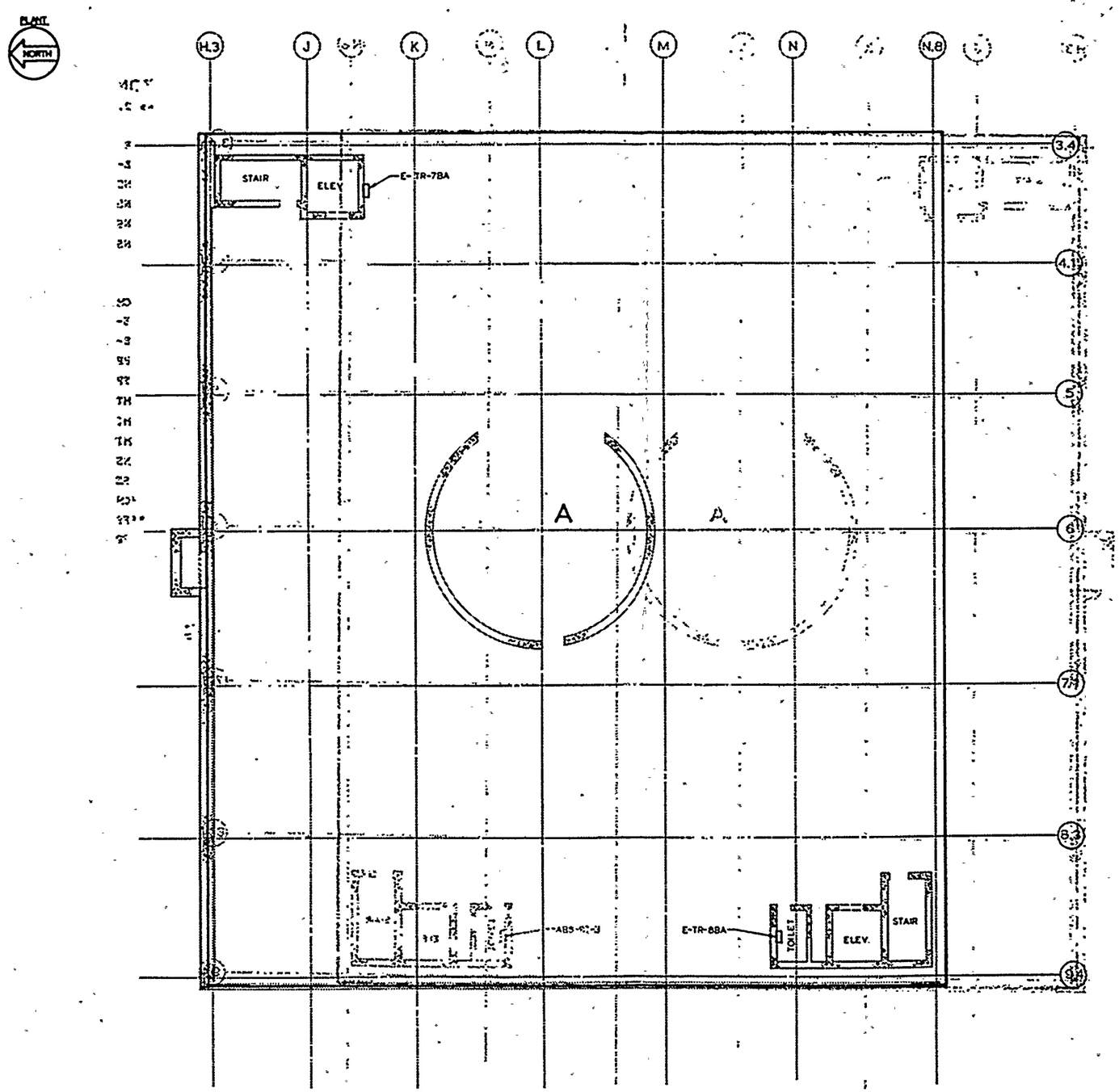
CRD-V-11+
- CRD-V-11

E-IR-70+

E-IR-73+
- MSLC-PI-1
- MSLC-PS-70A
- MSLC-PS-70B
- MSLC-PS-70C
- MSLC-PS-70D
- MSLC-PS-7A
- MSLC-PS-7B
- MSLC-PS-7C
- MSLC-PS-7D
- MSLC-PS-8A
- MSLC-PS-8B
- MSLC-PS-8C
- MSLC-PS-8D
- MSLC-PT-6A
- MSLC-PT-6B
- MSLC-PT-6C
- MSLC-PT-6D
- MSLC-RLY-CR/10
- MSLC-RLY-CR/11
- MSLC-RLY-CR/12
- MSLC-RLY-CR/13
- MSLC-RLY-CR/1A
- MSLC-RLY-CR/1B
- MSLC-RLY-CR/1C
- MSLC-RLY-CR/1D
- MSLC-RLY-CR/5A1
- MSLC-RLY-CR/5A2
- MSLC-RLY-CR/5B1
- MSLC-RLY-CR/5B2
- MSLC-RLY-CR/5C1
- MSLC-RLY-CR/5C2
- MSLC-RLY-CR/5D1
- MSLC-RLY-CR/5D2
- MSLC-RLY-CR/6A1
- MSLC-RLY-CR/6A2
- MSLC-RLY-CR/6B1
- MSLC-RLY-CR/6B2
- MSLC-RLY-CR/6C1
- MSLC-RLY-CR/6C2
- MSLC-RLY-CR/6D1
- MSLC-RLY-CR/6D2
- MSLC-RLY-CR/8
- MSLC-RLY-CR/9
- MSLC-TD-TK/2A
- MSLC-TD-TK/2B
- MSLC-TD-TK/2C
- MSLC-TD-TK/2D
- MSLC-TD-TK/3A
- MSLC-TD-TK/3B
- MSLC-TD-TK/3C
- MSLC-TD-TK/3D
- MSLC-TD-TK/4A
- MSLC-TD-TK/4B
- MSLC-TD-TK/4C
- MSLC-TD-TK/4D

E-IR-P026+
- MS-LIS-24D
- MS-LIS-36A
- MS-LIS-36B
- MS-LIS-36C
- MS-LIS-37A
- MS-LIS-37C
- MS-LIS-38A
- MS-LITS-26D
- MS-PI-4A
- MS-PS-20D
- MS-PS-23D
- MS-PS-39A
- MS-PS-39B
- MS-PS-39C
- MS-PS-39D
- MS-PS-39E
- MS-PS-39F
- MS-PS-39G
- MS-PS-39H
- MS-PS-39J
- MS-PS-39K
- MS-PS-39L
- MS-PS-39M
- MS-PS-39N
- MS-PS-39P
- MS-PS-39R
- MS-PS-39S
- MS-PS-39U

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON FIGURE 6.5	FIGURE 6.5a



REACTOR BUILDING EL. 606'-10 1/2"

SAFETY RELATED EQUIPMENT – BY ZONES

ZONE A

•• 2.4×10^4 rads

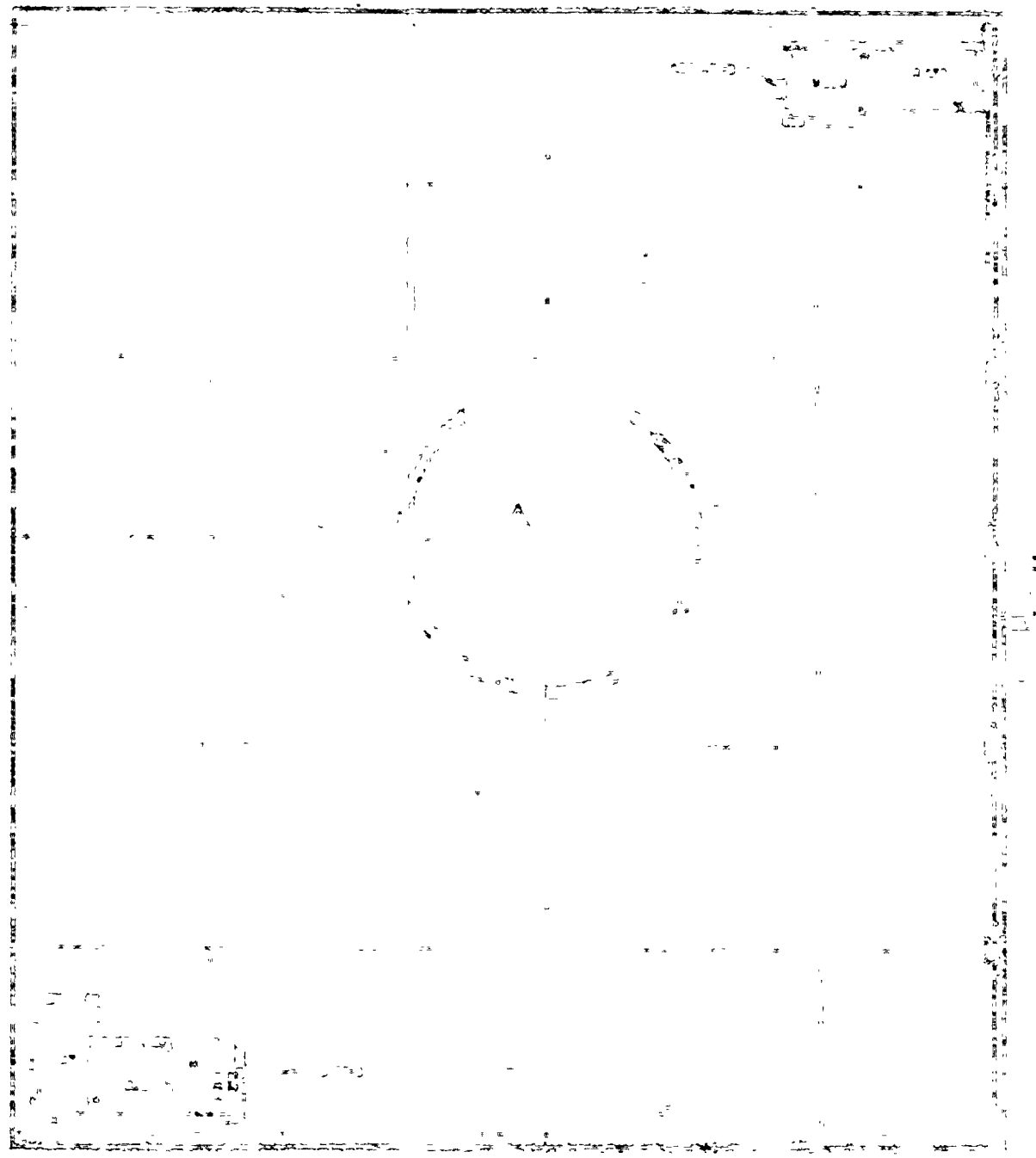
- E-ELP-7BA+
- E-ELP-8BA+
- NSSE-CRA-3+
- NSSE-EQ-1A+
- NSSE-EQ-1B+
- NSSE-EQ-22+

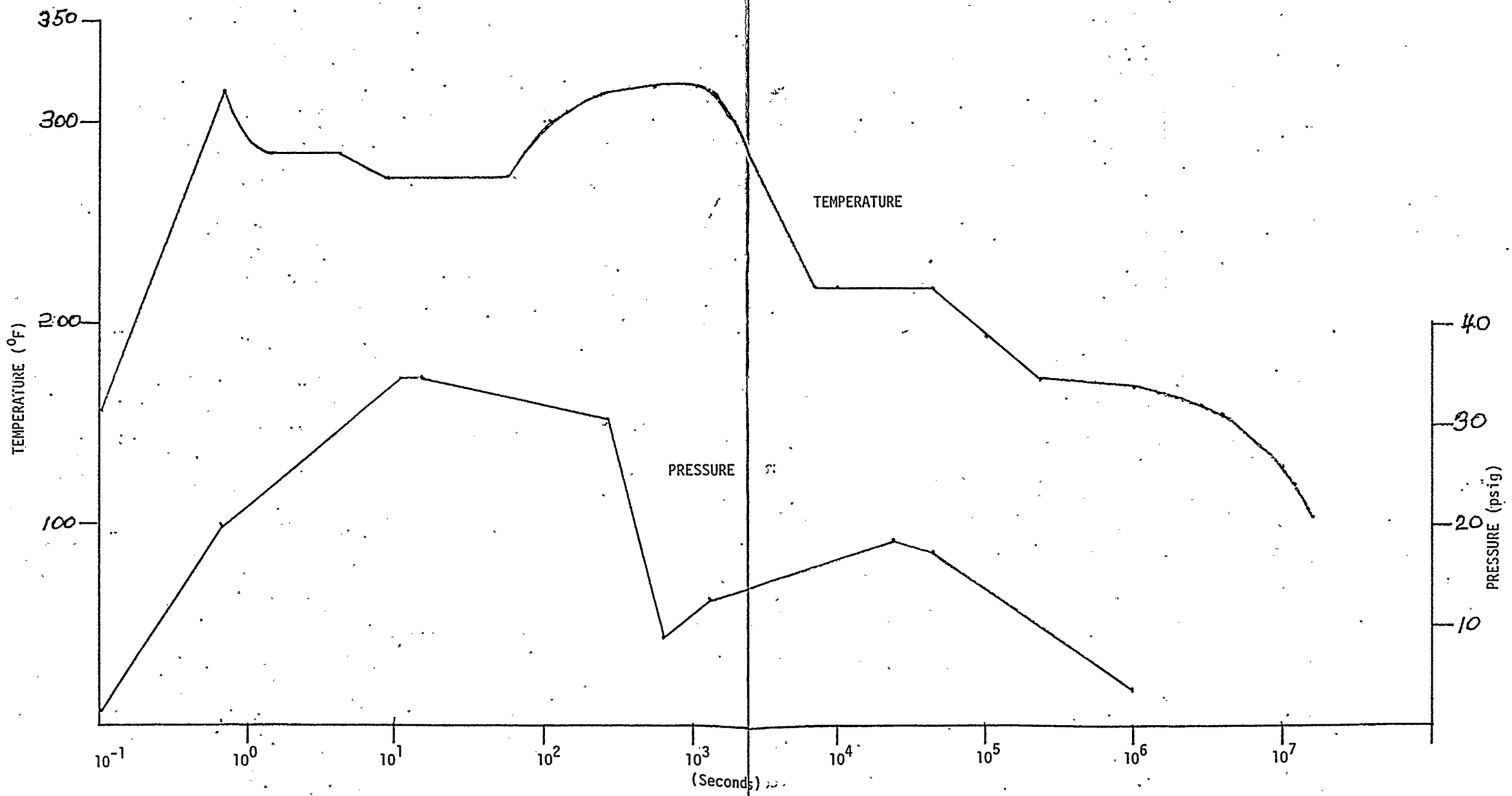
- CHS-RE-27D
- E-TR-7BA
- E-TR-8BA
- FPC-TE-7
- FPC-TE-8
- MT-CRA-2
- MT-CRA-9A
- MT-CRA-9B
- NSSE-EQ-8
- REA-RE-19
- **CHS-RE-27C
- **FPC-FIC-21
- **FPC-LT-21

GENERAL NOTES:

1. •,••,•,•• ARE IDENTIFIED IN GENERAL NOTES 2,3,4&5 ON DRAWING M-422 SHEET 1
2. SEE GENERAL NOTE 7 ON DRAWING M-422 SHEET 1 FOR PASSIVE EQUIPMENT

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	RADIATION ZONE MAP REACTOR BLDG EL. 606'-10 1/2"	FIGURE 6.8





PROFILE 1. LOCA/HELB IN PRIMARY CONTAINMENT
RESPONSE IN PRIMARY CONTAINMENT

ZONE N (CON'T)

SGT-ME-3A
SGT-ME-4A
SGT-ME-5A
SGT-TC-H/1A1
SGT-TC-H/1A2
SGT-TC-H/2A1
SGT-TC-H/2A2
SGT-TE-1A
SGT-TE-6A
SGT-TE-7A
SGT-TI-10A
SGT-TI-8A
SGT-TI-9A
SGT-TS-1A1
SGT-TS-1A11
SGT-TS-1A2
SGT-TS-1A21
SGT-TS-1A3
SGT-TS-1A31
SGT-TS-1A4
SGT-TS-1A41
SGT-TS-2A1
SGT-TS-2A11
SGT-TS-2A2
SGT-TS-2A21
SGT-TS-2A3
SGT-TS-2A31
SGT-TS-2A4
SGT-TS-2A41
SGT-FU-1B+
SGT-CNTR-ESH1B
SGT-CNTR-ESH2B
SGT-DPIS-1B
SGT-DPIS-2B
SGT-DPIS-3B
SGT-DPIS-4B
SGT-DPIS-5B
SGT-DPIS-6B
SGT-EHC-1B1
SGT-EHC-1B2
SGT-ESH-1B
SGT-ESH-2B
SGT-FS-2B2
SGT-ME-16B
SGT-ME-17B
SGT-ME-3B
SGT-ME-4B
SGT-ME-5B
SGT-TC-H/1B1
SGT-TC-H/1B2
SGT-TC-H/2B1
SGT-TC-H/2B2
SGT-TE-1B
SGT-TE-6B

SGT-TE-9B
SGT-TI-10B
SGT-TI-8B
SGT-TI-9B
SGT-TS-1B1
SGT-TS-1B11
SGT-TS-1B2
SGT-TS-1B21
SGT-TS-1B3
SGT-TS-1B31
SGT-TS-1B4
SGT-TS-1B41
SGT-TS-2B1
SGT-TS-2B11
SGT-TS-2B2
SGT-TS-2B21
SGT-TS-2B3
SGT-TS-2B31
SGT-TS-2B4
SGT-TS-2B41
SGT-PP-ESH/1A+
SGT-RLY-ESH1A11
SGT-RLY-ESH1A21
SGT-RMS-ESH1A1
SGT-RMS-ESH1A2
SGT-PP-ESH/1B+
SGT-RMS-ESH1B1
SGT-RMS-ESH1B2
SGT-RLY-ESH1B11
SGT-RLY-ESH1B21
SGT-PP-ESH/2A+
SGT-RMS-ESH2A1
SGT-RMS-ESH2A2
SGT-PP-ESH/2B+
SGT-RMS-ESH2B1
SGT-RMS-ESH2B2
SGT-V-1A+
SGT-V-1A
SGT-V-1B+
SGT-V-1B
SGT-V-2A+
SGT-SPV-2A
SGT-V-2A
SGT-V-2B+
SGT-SPV-2B
SGT-V-2B
SGT-V-3A1+
SGT-V-3A1
SGT-V-3A2+
SGT-V-3A2
SGT-V-3B1+
SGT-V-3B1

SGT-V-3B2+
SGT-V-3B2
SGT-V-4A1+
SGT-V-4A1
SGT-V-4A2+
SGT-V-4A2
SGT-V-4B1+
SGT-V-4B1
SGT-V-4B2+
SGT-V-4B2
SGT-V-5A1+
SGT-V-5A1
SGT-V-5A2+
SGT-V-5A2
SGT-V-5B1+
SGT-V-5B1
SGT-V-5B2+
SGT-V-5B2

SUBZONE N1

SGT-DV-1A1+
SGT-PCV-F1
SGT-SPV-F1
SGT-DV-1A2+
SGT-PCV-F2
SGT-SPV-F2
SGT-DV-1A3+
SGT-PCV-F3
SGT-SPV-F3
SGT-DV-1B1+
SGT-PCV-F4
SGT-SPV-F4
SGT-DV-1B2+
SGT-PCV-F5
SGT-SPV-F5
SGT-DV-1B3+
SGT-PCV-F6
SGT-SPV-F6

SUBZONE N2

SGT-FN-1A1
SGT-PT-1A1
SGT-FN-1A2
SGT-PT-1A2
SGT-FN-1B1
SGT-PT-1B1
SGT-FN-1B2
SGT-PT-1B2

SUBZONE N3

SGT-FN-1A1+
SGT-EHO-FN/1A1
SGT-AB-FN/1A1
SGT-FN-1A2+
SGT-EHO-FN/1A2
SGT-AB-FN/1A2
SGT-FN-1B1+
SGT-EHO-FN/1B1
SGT-AB-FN/1B1
SGT-FN-1B2+
SGT-EHO-FN/1B2
SGT-AB-FN/1B2

SUBZONE N4

REA-V-1+
REA-AO-V/1A1
REA-V-2+
REA-AO-V/1A2
SGT-FU-1A+
SGT-RS-2A2
SGT-FU-1B+
SGT-RS-2B1
SGT-V-1A+
SGT-MO-1A
SGT-V-1B+
SGT-MO-1B
SGT-V-2A+
SGT-AO-V/2A
SGT-V-2B+
SGT-AO-V/2B
SGT-V-3A1+
SGT-MO-3A1
SGT-V-3A2+
SGT-MO-3A2
SGT-V-3B1+
SGT-MO-3B1
SGT-V-3B2+
SGT-MO-3B2
SGT-V-4A1+
SGT-MO-4A1
SGT-V-4A2+
SGT-MO-4A2
SGT-V-4B1+
SGT-MO-4B1
SGT-V-4B2+
SGT-MO-4B2
SGT-V-5A1+
SGT-MO-5A1
SGT-V-5A2+
SGT-MO-5A2
SGT-V-5B1+
SGT-MO-5B1
SGT-V-5B2+
SGT-MO-5B2

SUBZONE N5

SGT-FU-1A+
SGT-MC-H/6A
SGT-MC-H/7A
SGT-TS-6A1
SGT-TS-7A1
SGT-TS-8A1
SGT-FU-1B+
SGT-MC-H/6B
SGT-MC-H/7B
SGT-TS-6B1
SGT-TS-7B1
SGT-TS-8B1

SUBZONE N6

SGT-FU-1A+
SGT-ME-6A
SGT-ME-7A
SGT-TE-6A1
SGT-TE-7A1
SGT-TE-8A1
SGT-TS-EH1A11
SGT-TS-EH1A110
SGT-TS-EH1A111
SGT-TS-EH1A112
SGT-TS-EH1A113
SGT-TS-EH1A114
SGT-TS-EH1A115
SGT-TS-EH1A116
SGT-TS-EH1A117
SGT-TS-EH1A118
SGT-TS-EH1A12
SGT-TS-EH1A13
SGT-TS-EH1A14
SGT-TS-EH1A15
SGT-TS-EH1A16
SGT-TS-EH1A17
SGT-TS-EH1A18
SGT-TS-EH1A19
SGT-TS-EH1A21
SGT-TS-EH1A210
SGT-TS-EH1A211
SGT-TS-EH1A212
SGT-TS-EH1A213
SGT-TS-EH1A214
SGT-TS-EH1A215
SGT-TS-EH1A216
SGT-TS-EH1A217
SGT-TS-EH1A218
SGT-TS-EH1A22
SGT-TS-EH1A23
SGT-TS-EH1A24
SGT-TS-EH1A25

SGT-TS-EH1A26
SGT-TS-EH1A27
SGT-TS-EH1A28
SGT-TS-EH1A29
SGT-FU-1B+
SGT-ME-6B
SGT-ME-7B
SGT-TE-6B1
SGT-TE-7B1
SGT-TE-8B1
SGT-TS-EH1B11
SGT-TS-EH1B110
SGT-TS-EH1B111
SGT-TS-EH1B112
SGT-TS-EH1B113
SGT-TS-EH1B114
SGT-TS-EH1B115
SGT-TS-EH1B116
SGT-TS-EH1B117
SGT-TS-EH1B118
SGT-TS-EH1B12
SGT-TS-EH1B13
SGT-TS-EH1B14
SGT-TS-EH1B15
SGT-TS-EH1B16
SGT-TS-EH1B17
SGT-TS-EH1B18
SGT-TS-EH1B19
SGT-TS-EH1B21
SGT-TS-EH1B210
SGT-TS-EH1B211
SGT-TS-EH1B212
SGT-TS-EH1B213
SGT-TS-EH1B214
SGT-TS-EH1B215
SGT-TS-EH1B216
SGT-TS-EH1B217
SGT-TS-EH1B218
SGT-TS-EH1B22
SGT-TS-EH1B23
SGT-TS-EH1B24
SGT-TS-EH1B25
SGT-TS-EH1B26
SGT-TS-EH1B27
SGT-TS-EH1B28
SGT-TS-EH1B29

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON FIGURE 6.7	FIGURE 6.7b

FIGURE 6.8

RADIATION ZONE MAP

REACTOR BLDG EL. 600'-and 1/2"

8210070141

WNP-2
NUREG 0588 ENVIRONMENTAL EQUIPMENT QUALIFICATION REPORT

Volume 3

September 1982

Washington Public Power Supply System
Richland, Washington 99352

82-057

WNP-2

JUSTIFICATION FOR INTERIM OPERATION REPORT

AUGUST 1982

JIO REPORT
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JIO REPORT

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1.0 INTRODUCTION

To obtain an operating license for Washington Public Power Supply System (Supply System) Nuclear Project Number 2 (WNP-2), the Supply System is required to provide documentation that establishes the qualification of all safety-related electrical equipment. NUREG-0588, Category II, "Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment," is to be used as the basis for determining the adequacy of the safety-related equipment's documentation.

The Equipment Qualification Program for WNP-2 is in process, and many components have been shown qualified by existing documentation; yet it is unlikely that all safety-related electrical equipment will be fully documented prior to full power operation. The NRC Staff's proposed final rule 10CFR50.49, "Environmental Qualification of Safety-Related Electric Equipment for Nuclear Power Plants," states in paragraph (i) that "the applicant for an operating license shall perform an analysis to ensure that the plant can be safely operated pending completion of environmental qualification." Therefore, an analysis was performed and this Justification for Interim Operation (JIO) provides the results and the basis for the safe operation of WNP-2 until the Equipment Qualification Program can be completed.

The JIO analysis establishes that, upon documentation of the qualification of a minimum set of safety-related electrical equipment, WNP-2 can be safely operated pending completion of the Environmental Qualification Program. This minimum set of safety-related electrical equipment consists of the equipment located in a harsh environment that is required to accomplish the following six safety functions for accidents potentially causing the harsh environment.

[illegible] material

[illegible] the safe
[illegible] digestion

[illegible] required
[illegible] quieting
[illegible] operation
[illegible] equipment
[illegible] and
[illegible]

[illegible] image.

[illegible] accid-
[illegible] the
[illegible] breaks
[illegible] four high
[illegible] were
[illegible] the
[illegible] section.
[illegible] which could
[illegible] (section
[illegible] in the
[illegible] in a
[illegible] ion.

1. Emergency Reactor Shutdown
2. Primary Containment Isolation
3. Reactor Core Cooling
4. Containment Integrity
5. Core Residual Heat Removal
6. Prevention of Significant Release of Radioactive Material to the Environment

Accomplishing these six safety functions will ensure the safe shutdown of WNP-2. Safe shutdown includes accident mitigation as well as achieving and maintaining cold shutdown.

The equipment in a single path that accomplishes the required safety functions was selected as the minimum set requiring documentation of qualification prior to full power operation of WNP-2. The redundant safety-related electrical equipment required for defense in depth, diversity of function, and electrical separation will be documented prior to the completion of the first refueling outage.

The JIO analysis for WNP-2 was accomplished in five steps.

Step 1 identified line breaks from the FSAR Chapter 15 accidents that potentially cause a harsh environment inside the primary containment or reactor building. These line breaks include three Loss-of-Coolant Accidents (LOCAs) and four High Energy Line Breaks (HELBs). Break locations for LOCAs were not necessary for this analysis since the effect inside the primary containment is not dependent on the break location. Break locations for the HELBs, and the equipment which could be exposed to the harsh environment, were determined (Section 4.2.1). Essentially all of the reactor building, with the exception of Class 1E motor control center rooms, is in a harsh environment due to some postulated break location.

Step 2 determined the environmental conditions associated with the accidents in Step 1. These environmental conditions, the basis for the qualification program, were used to determine the qualification status of the safety-related electrical equipment in Step 5.

In Step 3, a Safety Sequence Analysis (SSA) was performed for each of the seven types of accidents identified in Step 1. The SSA identified the safety systems, and their associated equipment, required to achieve each safety function. The analysis was performed for equipment located inside the reactor building and primary containment potentially exposed to a harsh environment. Each SSA identified all credible and redundant paths to accomplish each safety function, and described the system actions, inputs, and interlocks. The SSA is discussed in Section 4.2.2.

In Step 4, a Failure Modes and Effects Analysis (FMEA) was performed on the safety-related electrical equipment not required to function for safe shutdown. This analysis identified the safety-related electrical equipment that could fail in a manner detrimental to the safe shutdown of the plant. Since this equipment must not fail in a manner detrimental to plant safety, documentation of its capability to withstand the potentially harsh environment will be provided (Section 4.2.3). The equipment whose failure is not detrimental to plant safety is identified in Table D and need not be qualified for any accident environment.

In Step 5, the single-path minimum set of safety-related electrical equipment required to accomplish the six safety functions was identified. This set of equipment, which includes equipment identified in Step 3, and the equipment identified in Step 4 requiring qualification, will have complete qualification documentation provided prior to full

power operation. This will ensure one fully qualified path to safe shutdown for all the accidents identified in Step 1. The selection of this single-path minimum equipment is discussed in Section 4.2.4, and the equipment to be documented as qualified prior to full power operation is included in Table B. The balance of the safety-related electrical equipment identified in Step 3 and Step 4 is included in Table C and will be documented as qualified prior to the completion of the first refueling outage. Table A identifies the equipment that has already been shown to be qualified.

2.0 RESULTS/CONCLUSIONS

Documenting the environmental qualification of the minimum set of safety-related electrical equipment identified by this analysis will ensure the capability of safely mitigating the accidents that potentially cause harsh environments at WNP-2. The analysis performed to document this conclusion, as required by the NRC's proposed final rule 10CFR50.49, "Environmental Qualification of Safety-Related Electric Equipment for Nuclear Power Plants", will ensure that the plant can be safely operated pending completion of environmental qualification.

The FSAR Chapter 15 accidents that potentially cause a harsh environment in the primary containment or reactor building are identified in Table 2.1 The areas of the plant, by zone, affected by each break are identified in Table 2.2. The methodology for determining the accidents and areas affected is discussed in Section 4.2.1.

Safety Sequence Diagrams (SSDS) were prepared for each accident. They identify the systems required to accomplish the necessary safety functions for each accident, and are included as Figures 2.1 through 2.8. Table 2.3 identifies the auxiliary support systems necessary for the safety systems identified on the SSDs.

Tables A, B, C, and D are equipment lists resulting from the JIO analysis. Table A identifies the safety-related electrical equipment, in the systems shown on the SSDs, that have documentation establishing qualification. Table B identifies the equipment to be documented as qualified prior to full power operation. Table C identifies the remainder of the safety-related electrical equipment in the systems on the SSDs that will be documented as qualified prior to the end of the first refueling outage. Table D identifies the equipment

whose failure, as determined by the Failure Modes and Effects Analysis, is not detrimental to accomplishing the required safety functions. This equipment need not be qualified for any accident environment, but will be shown qualified for its normal service environment.

Tables A, B, and C include the following information:

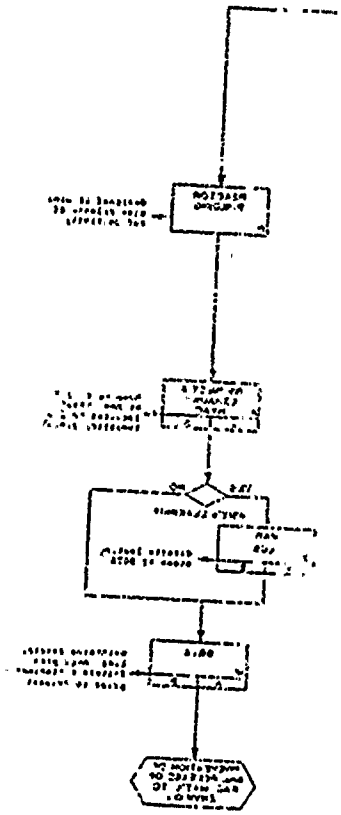
1. Equipment Part Number (EPN) - The system abbreviations are defined in Table F.

2. Radiation Zone (Rad Zone); example R572H
   R = reactor building
   (C = primary containment)
   572 = elevation
   H = radiation zone on elevation 572 (Reference Appendix B)

3. Accident Use Codes (Definitions in Table E)

4. Accident Information (Legend on first page of each Table)
   Accident(s) the equipment is exposed to (Exp To)
   Accident(s) the equipment is required to operate for or must not fail for (Reqd For)
   Accident(s) the equipment will be qualified for (Qual To)

Table D includes information 1, 2, and 3 above plus a Reason Code (defined on the first two pages of Table D) for excluding that equipment from qualification.



ACCIDENT DEFINITION

There are four breaks considered, all on the RCIC turbine steam supply line (4"). The Leak Detection System provides the capability of detecting the break, and initiates the closing of the appropriate valves to isolate the break. The plant can proceed to normal shutdown or continue operation.

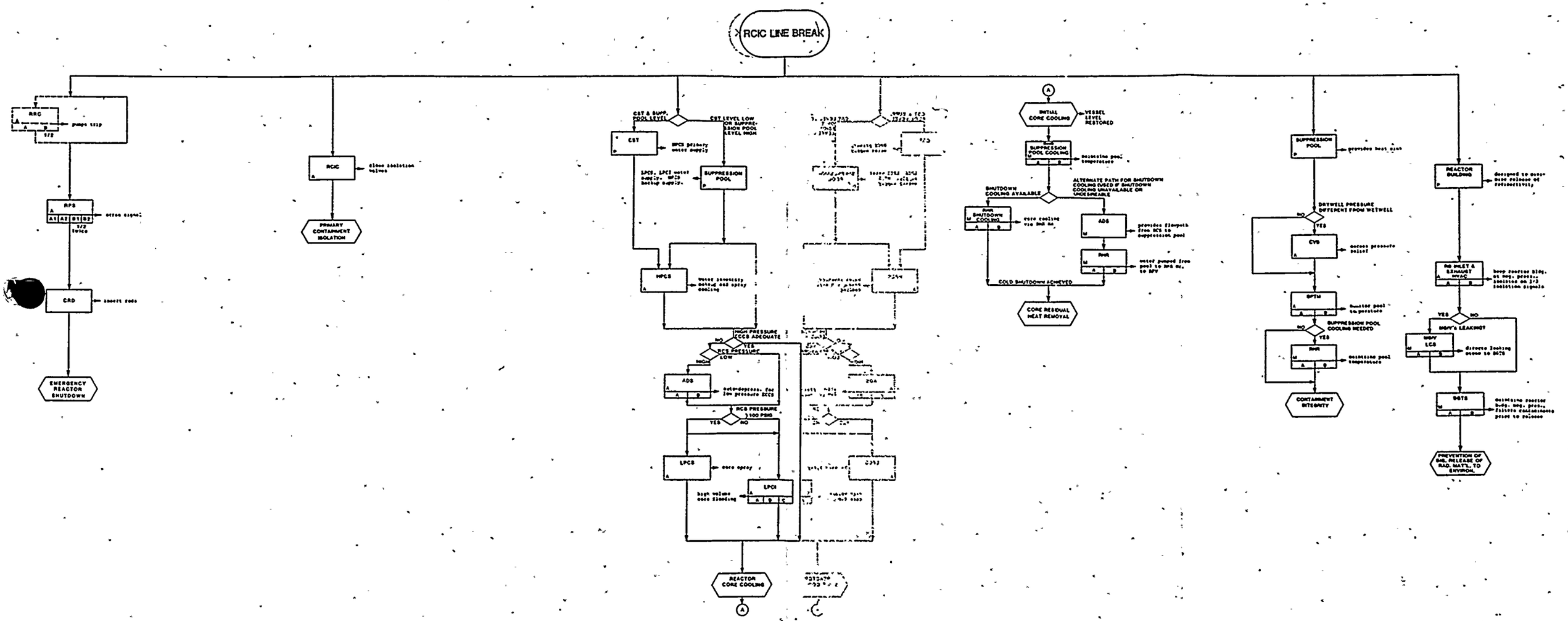
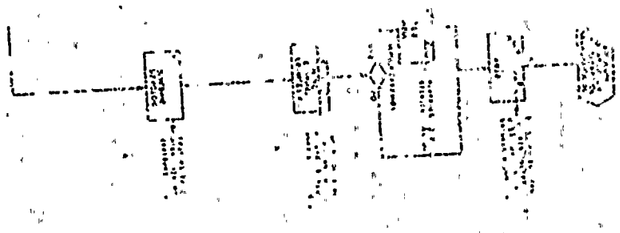


Figure 2.1

Safety Sequence Diagram

Reactor Core Isolation Cooling System

Line Break



ACCIDENT DEFINITION

Seven RWCU line breaks are considered in the analysis (see Table 2.1). Isolation is initiated by the Leak Detection system on RWCU area high temperature, delta temperature, or delta flow. The plant can proceed to normal shutdown or continue operation.

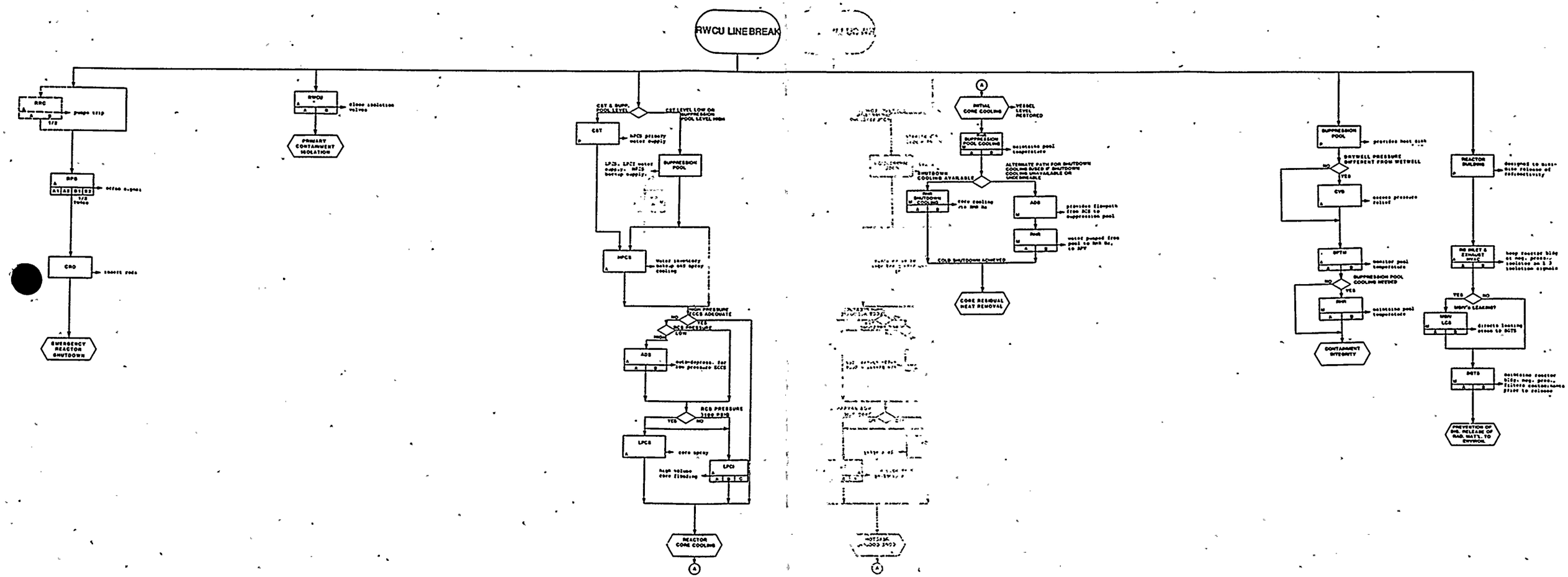


Figure 2.2

Safety Sequence Diagram

Reactor Water Cleanup System Line Break

ACCIDENT DEFINITION

Two breaks are considered for this event, occurring on 3" and 4" auxiliary steam supply lines to the reactor building heating system. Mitigation of this accident will require operator action, in response to a low-pressure alarm, to isolate the break and proceed to cold shutdown.

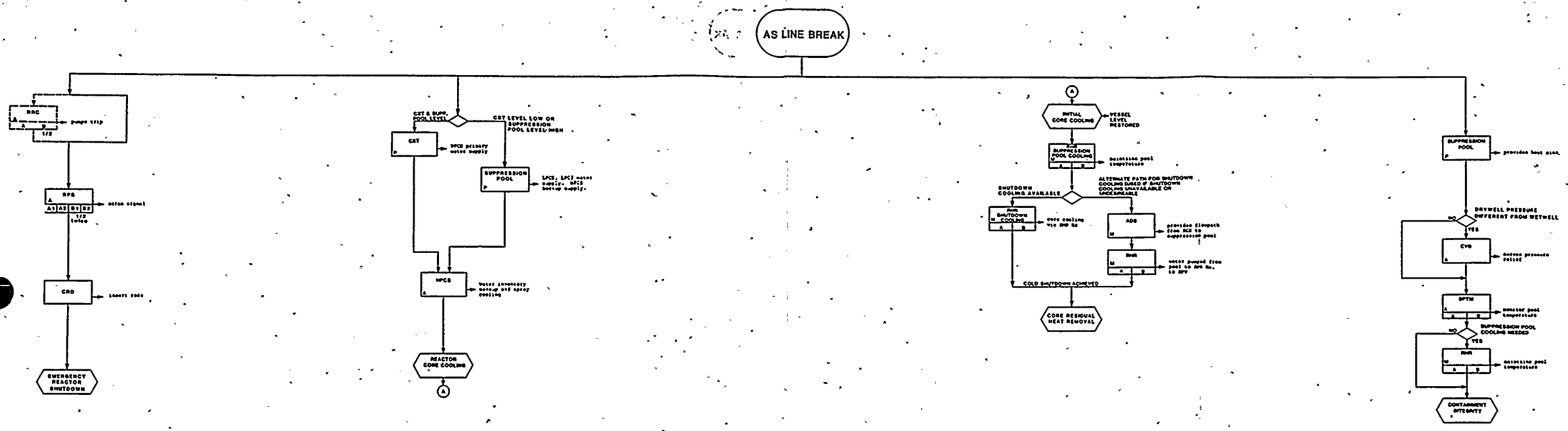


Figure 2.3

Safety Sequence Diagram

Auxiliary Steam System Line Break

ACCIDENT DEFINITION

This event consists of a break in a main steam line (26") inside the steam tunnel. The break is isolated by MSIV closure upon receipt of a high steam line flow signal, after which the plant proceeds to cold shutdown.

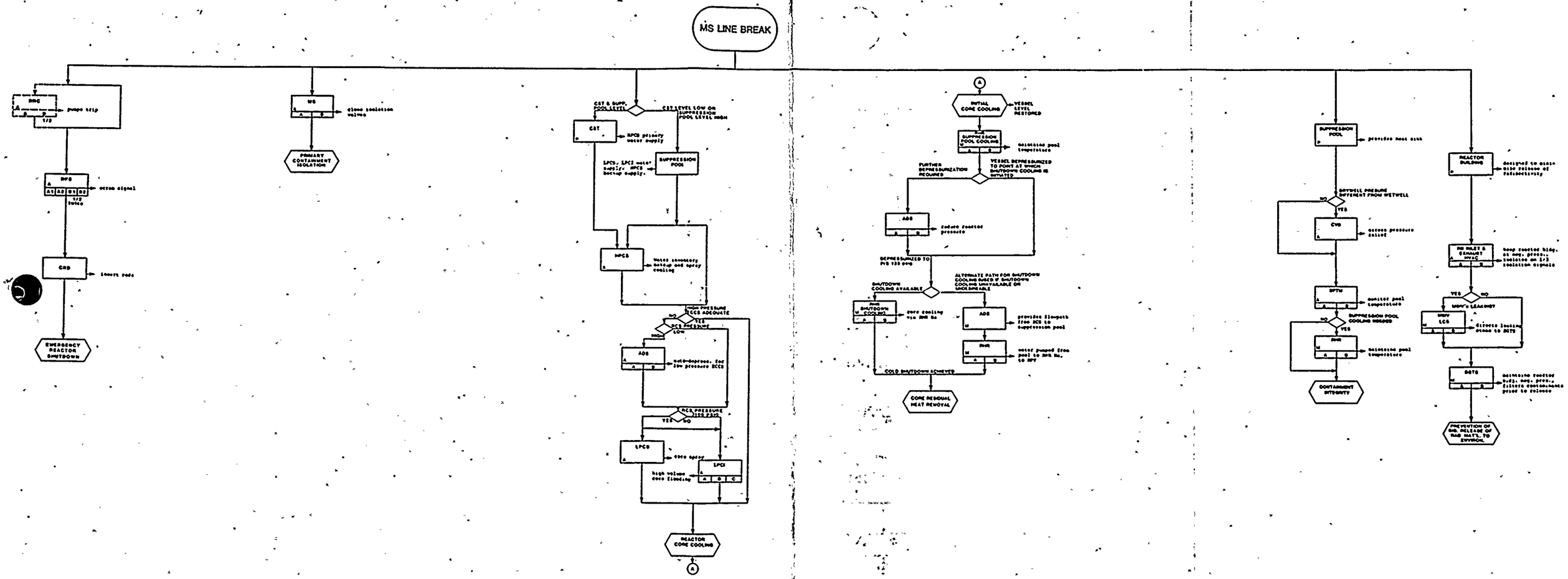


Figure 2.4

Safety Sequence Diagram

Main Steam Line Break

ACCIDENT DEFINITION

This event consists of a break in a reactor feedwater line (24") inside the steam tunnel. The break is isolated by inboard and outboard feedwater line check valves, after which the plant proceeds to cold shutdown.

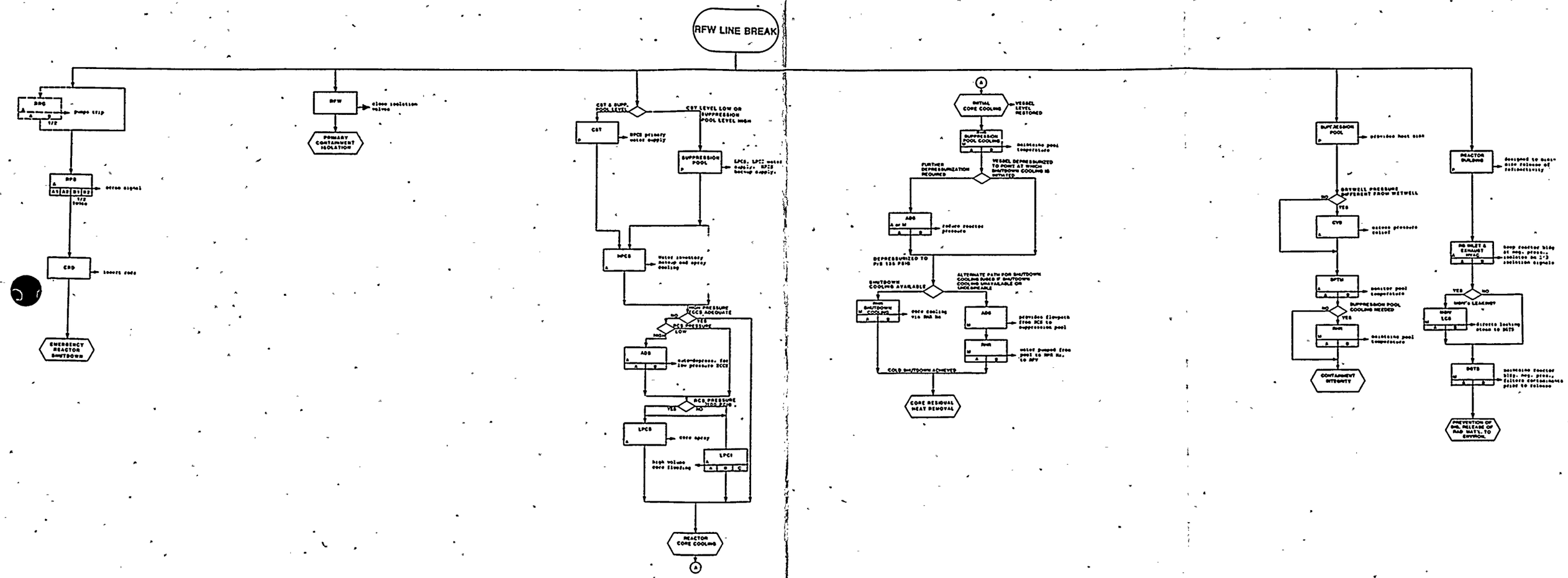


Figure 2.5

Safety Sequence Diagram

Reactor Feedwater System Line Break

ACCIDENT DEFINITION

This event consists of a break in a recirculation pump suction line (24") in the drywell between the reactor vessel and motor-operated valve RRC-V-23, and is therefore considered non-isolable. The main parameter transients which characterize the event are low reactor level and pressure, and high drywell pressure. The plant proceeds to cold shutdown.

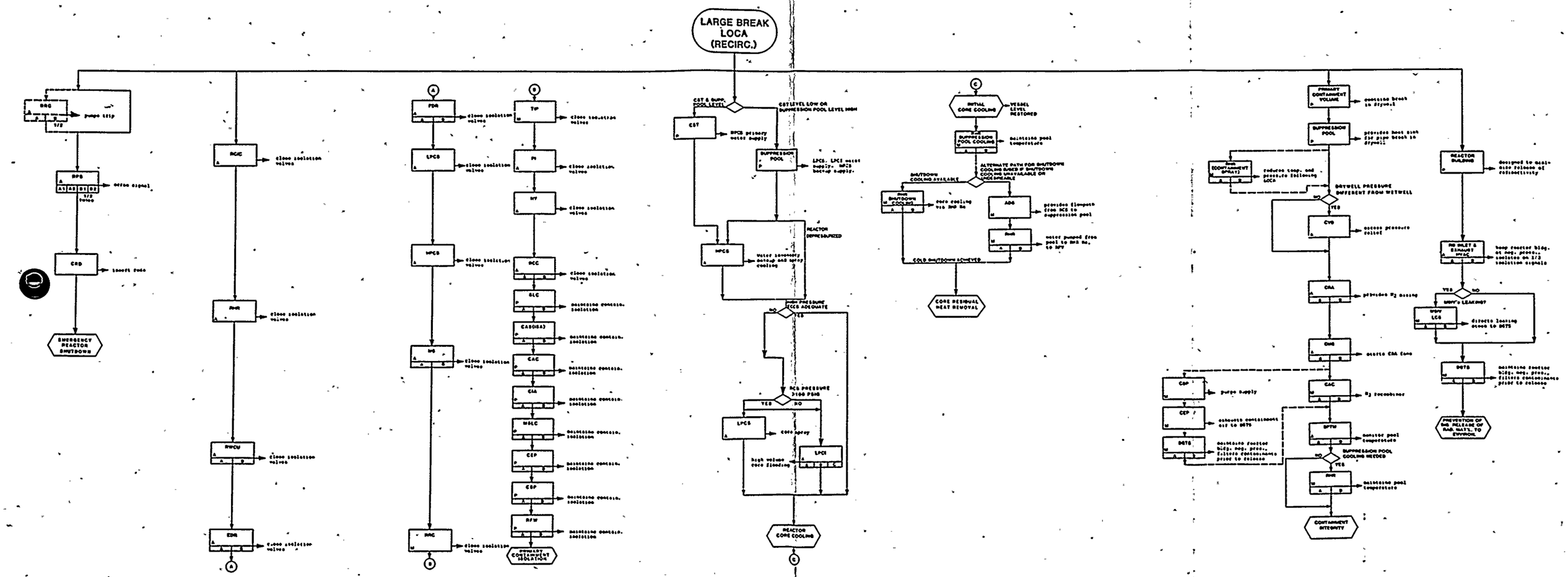


Figure 2.6

Safety Sequence Diagram

Large Break LOCA

(Reactor Recirculation System)

ACCIDENT DEFINITION

This event consists of a break in a main steam line (26") between the reactor vessel and the flow limiter. Since the break is inside of the inboard containment isolation valve, radiation and temperature elements in the main steam tunnel and routing area will not be the primary factors responding, but rather RPV level and pressure, and high drywell pressure. The plant proceeds to cold shutdown.

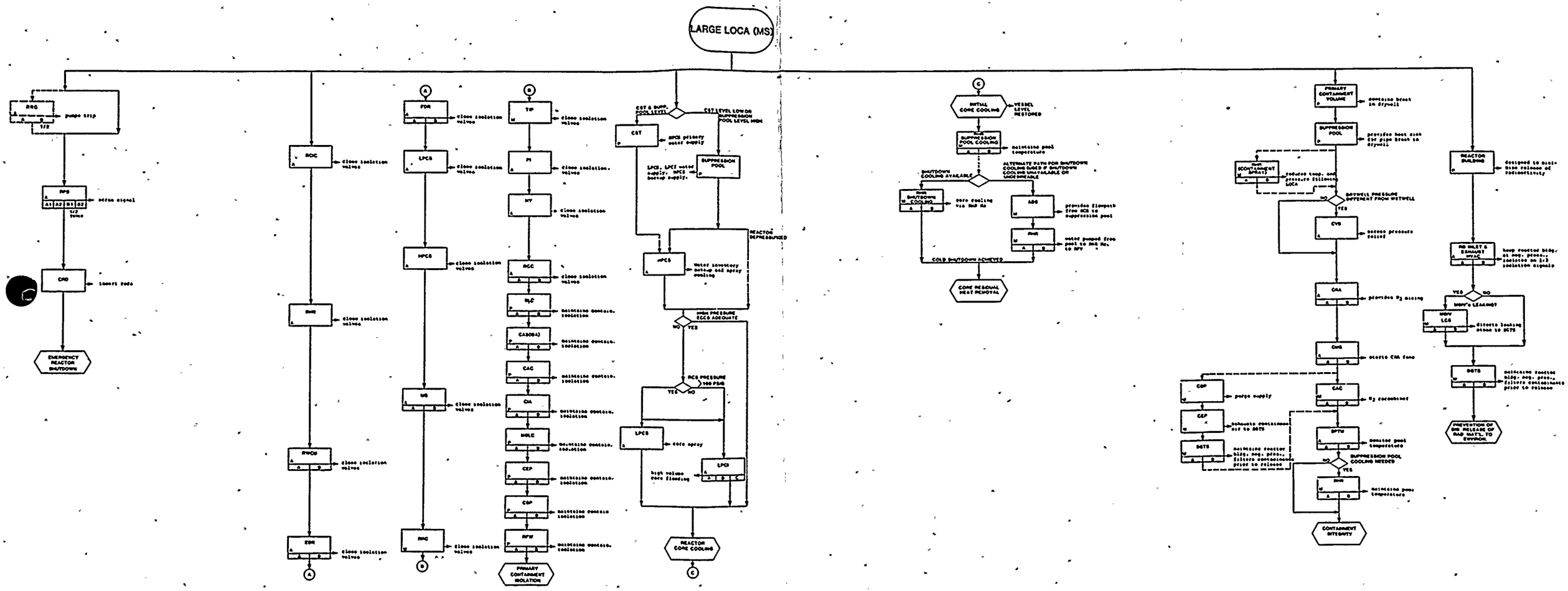


Figure 2.7

Safety Sequence Diagram

Large Break LOCA (Main Steam)

ACCIDENT DEFINITION

A Small Break LOCA is defined as any break in the reactor coolant system whose leakage is greater than the capacity of the normal reactor coolant makeup system(s). No specific break is considered here, but rather the general effects of all non-isolable small break LOCAs. The plant proceeds to cold shutdown.

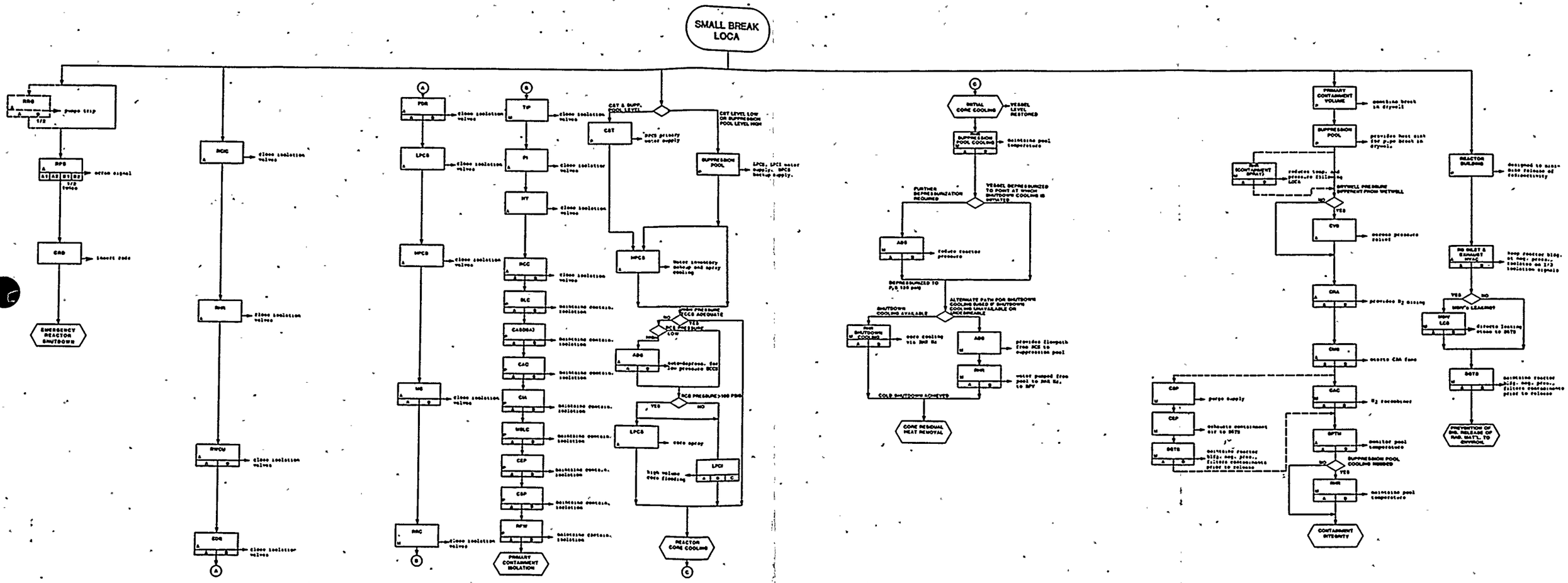


Figure 2.8

Safety Sequence Diagram

Small Break LOCA

TABLE 2.2

ACCIDENT BREAK LOCATIONS AND AFFECTED AREAS

Accident Codes	Accident Type/Location	Location(s) Affected**	Profile
A	HELB - 4" RCIC (13) - 4 RCIC Pump Room	422L, 444I	5, 6
B	HELB - 4" RCIC (13) - 4 Room Above RCIC Room	422L, 444I	7
C	HELB - 4" RCIC (13) - 4 Room Above RHR-2C	422M, 444J	8
D	HELB - 4" AS (11) - Southeast Open Floor Area	471A, B, D, J, 501Q, B, F, H, K, 522B, C, H, J, K, P	9, 10, 11
E	HELB - 4" RCIC (13) - 4 TIP Room	501P, 510S	12, 13
F	HELB - 6" RWCU (2) - 4 Room Above TIP Room	501P, 510S	14, 15
G	HELB - 6" RWCU (2) - 4 Valve Room "N" of Cont.	522O	6
H	HELB - 4" RWCU (1) - 4 RWCU Pump Rooms	522F, G	17, 18, 19
I	HELB - 6" RWCU (1) - 4 Valve Room Above RWCU Pumps	522F, G 522C, B	20, 21, 22, 23, 24
J	HELB - 6" RWCU (1) - 4 RWCU HX Room	548B, R 548P	25, 26, 27
K	HELB - 6" RWCU (2) - 4 Valve Room "N" of Cont.	548Q	28
L	HELB - 6" RWCU (1) - 4 Valve Room "S" of Cont.	548H	29, 30
M	HELB - 3" AS (11) - 2 Southeast Floor Area El. 572'	527C, B, N, F, G, 548C, G, K, P, R, M	31, 32

TABLE 2.1

ACCIDENTS ANALYZED

1. Primary Containment Loss-of-Coolant Accidents

   - Reactor Recirculation Line (RRC) Break (Large break)
     Accident Code P
   - Small Main Steam Line (2" or less) Break
     Accident Code R
   - Main Steam Line Break (26")
     Accident Code Q

2. Reactor Building - High Energy Line Breaks

   - Reactor Water Clean-up (RWCU) Line Breaks
     Accident Codes F, G, H, I, J, K, L
   - Reactor Core Isolation Cooling (RCIC) Steam Line Break
     Accident Codes A, B, C, E
   - Auxiliary Steam System Pipe Break
     Accident Codes D, M
   - Main Steam Tunnel (either steam or feedwater line) Pipe Break
     Accident Codes N, O

TABLE 2.2 (Continued)

ACCIDENT BREAK LOCATIONS AND AFFECTED AREAS

Accident Codes	Accident Type/Location	Location(s) Affected**	Profile
N	HELB - 26" MS	5010	3
O	HELB - 24" RFW	5010	3
P	LOCA - 24" RRC	Containment	1, 2
Q	LOCA - 26" MS	Containment	1, 2
R	LOCA - Small Steam Line	Containment	1, 2
*	LOCA (P,Q,R) - Primary Containment	Reactor Building (except Class 1E motor control center rooms)	4

**The definition of the Location(s) Affected column is in Table E.

TABLE 2.3
AUXILIARY SUPPORT SYSTEMS LIST

(Abbreviations defined in Table F)

Safety System	Auxiliary Systems	Notes
SLC	E	
CRD	None	
RRC	E	
RWCU	E	
RCC	E	
HY	E	
EDR	None	
FDR	None	
PI	None	
TIP	E	
LPCS	E, RRA, SW	
RCIC	E	
HPCS	RRA	
RHR	E, RRA, SW	
MS	E, CIA	(a)
SGTS	E	(b)
CRA	E	
CAC	E, RRA, SW	
SPTM	E	
CMS	E, RRA, SW	
CVB	None	
CSP	E	
CEP	E	
MSLC	E	
REA	None	
ROA	None	
RPS	None	
RFW	None	
CIA	E	
CAS	None	

NOTES:
(a) RHR interlocked with ADS valves.
(b) REA Differential Pressure Transmitter signal is used to control reactor building pressure.

3.0 Scope of Analysis

3.0 SCOPE OF ANALYSIS

To justify interim operation, this analysis identified a minimum complement of safety-related electrical and instrumentation and control equipment in the harsh environment at WNP-2 required for safe shutdown and accident mitigation.

The scope of analysis is defined by:

3.1 Accidents Creating a Harsh Environment

The accidents considered in this analysis are those that potentially cause harsh environments that may adversely affect the functioning and/or integrity of safety-related electrical equipment. These accidents are Loss-of-Coolant Accidents (LOCAs) inside primary containment, and High Energy Line Breaks (HELBs) inside the reactor building (see Section 4.2.1).

3.2 Post-Accident Environmental Conditions

The temperature, pressure, and radiation environments in which the equipment will be required to function are defined for:

a. LOCAs inside the primary containment
b. HELBs inside the reactor building
c. The reactor building environment caused by LOCAs inside the primary containment

These considerations define the boundary within which the analysis was performed.

3.3 Safety-Related Electrical Equipment

The safety-related electrical equipment located in the harsh environment includes the equipment required for accident mitigation, safe shutdown, and long-term cooling.

3.4 Assumptions

The following were assumed during the performance of the Safety Sequence Analysis:

A. For shutdown analysis, no credit was taken for non-safety-related electrical equipment.

B. A design basis earthquake (DBE) can occur, but not simultaneously with the design basis accident (DBA).

C. Only one accident at a time is postulated to occur.

D. Containment radioactive leakage within design limits will occur.

E. Accidents occurring inside the reactor building have no effect upon environmental conditions inside the primary containment.

4.0 METHOD

4.1 Approach

The approach used to justify interim operation was designed to identify all equipment essential to achieve and maintain safe shutdown following an accident. Extensive accident analyses provided the basis for selecting an optimum shutdown path to accomplish the six safety functions and identified a minimum set of equipment which must be qualified prior to full power operation.

The safety-related electrical equipment in the primary containment and reactor building, as identified on the WNP-2 Class 1 Electrical equipment list, was used as a basis for equipment selection. This list includes all electrical equipment essential to emergency reactor shutdown, accident mitigation, long-term core cooling, post-accident sampling and monitoring, and the prevention of the uncontrolled release of radioactive material to the environment.

Accident definition narrowed the list of equipment considered to that potentially exposed to a harsh environment; that is, equipment inside the primary containment and reactor building. A Safety Sequence Analysis (SSA) and Failure Modes and Effects Analysis (FMEA) further reduced the list to those components required for LOCA and/or HELB mitigation. The final reduction, Selection of Minimum Required Equipment, was completed in several steps. The first step consisted of checking the status of the equipment qualification effort at WNP-2 to identify those remaining components without qualification documentation. Finally, the results of the SSA were reviewed to determine the single shutdown path that requires the minimum number of additional equipment to have qualification documentation prior to operation.

4.2 Detailed Procedure

4.2.1 Accident Definition

The primary containment and most areas of the reactor building will be exposed to a harsh environment following a postulated LOCA/HELB. This task identified the line breaks potentially causing a harsh environment and the associated environmental conditions.

A total of 18 line breaks in six systems were identified and categorized into seven events, including three LOCAs and four HELBs. The areas of the reactor building affected by each break were identified and tabulated. The environmental conditions associated with each break were also defined, including the calculated post-accident radiation, temperature, pressure, and humidity levels expected.

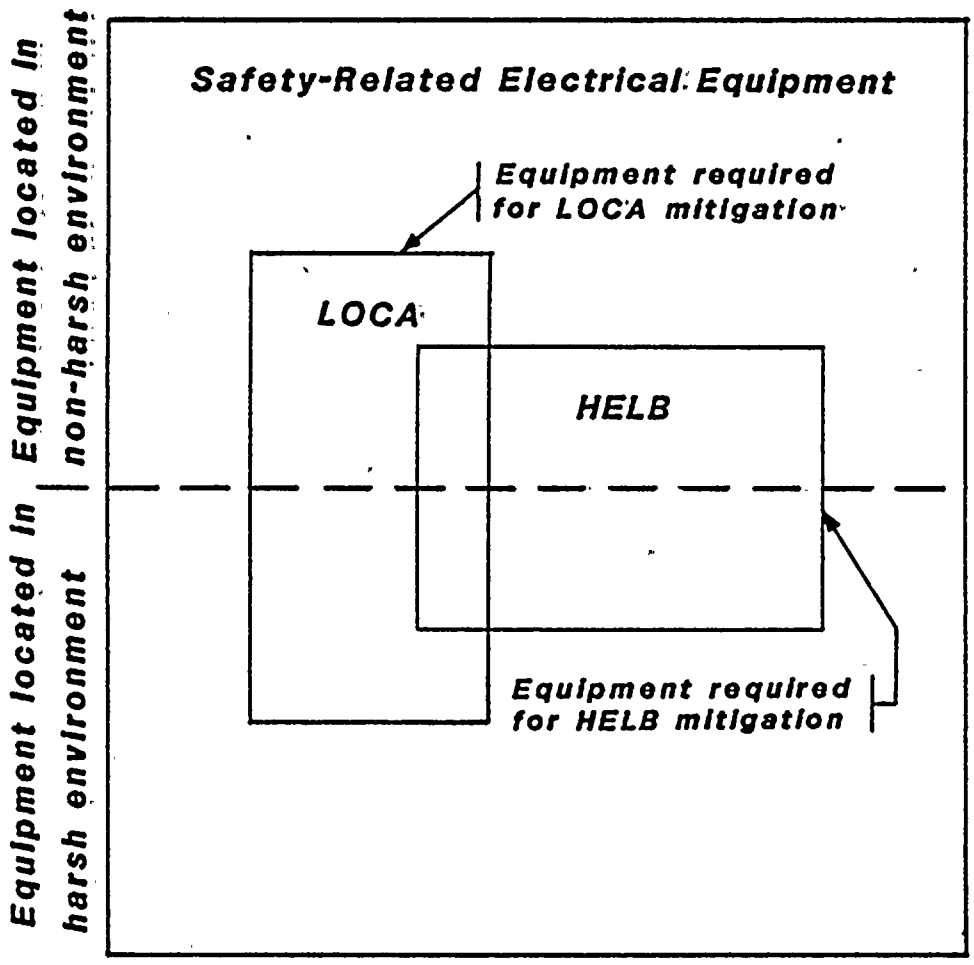
The seven postulated accident types are included in Table 2.1, and the areas of the plant affected by each postulated break location are identified in Table 2.2.

4.2.2 Safety Sequence Analysis

A Safety Sequence Analysis was performed to identify equipment required for safe shutdown following any of the accidents considered (see Table 2.1). The combined results of this analysis and the FMEA (see Section 4.2.3) reduce the set of equipment requiring qualification documentation prior to full power operation to that equipment essential for the mitigation of the postulated accidents, as shown in Figure 4.1. During the first stage of this analysis, Safety Function Path Diagrams (SFPDs) were developed for each of the six safety functions (see Section 1.0). Next, Safety System Auxiliary Diagrams (SSADs) were developed for

Figure 4.1

Safety-Related Electrical Equipment Exposed to a Harsh Environment



each safety system. These diagrams identified any auxiliary support system associated with each safety system. The final stage involved assembling the appropriate portions of each SFPD into Safety Sequence Diagrams (SSDs) for each accident.

4.2.2.1 Safety Function Path Diagrams

Based on a review of the plant design, and the accident descriptions in Chapter 15 of the FSAR, systems were selected that could achieve, or help to achieve, a given safety function. System descriptions, flow diagrams, and logic diagrams were then reviewed to determine system operation, and to identify major components and their role in the completion of the safety function. When all the design paths that achieve the safety function were identified, a Safety Function Path Diagram was developed.

This diagram: 1) flowcharts all possible methods of achieving the safety function, 2) depicts each required safety system's response to the accident, and 3) shows chronological and functional relationships, initiating input variables, and required operator actions. The entire duration of the accident is represented, including the activities necessary to achieve cold shutdown. A sample SFPD is provided as Figure 4.2.

Safety Function Equipment Lists were developed upon completion of each diagram. The basis for the list is the WNP-2 Class 1 Electrical equipment list. For each auxiliary system on

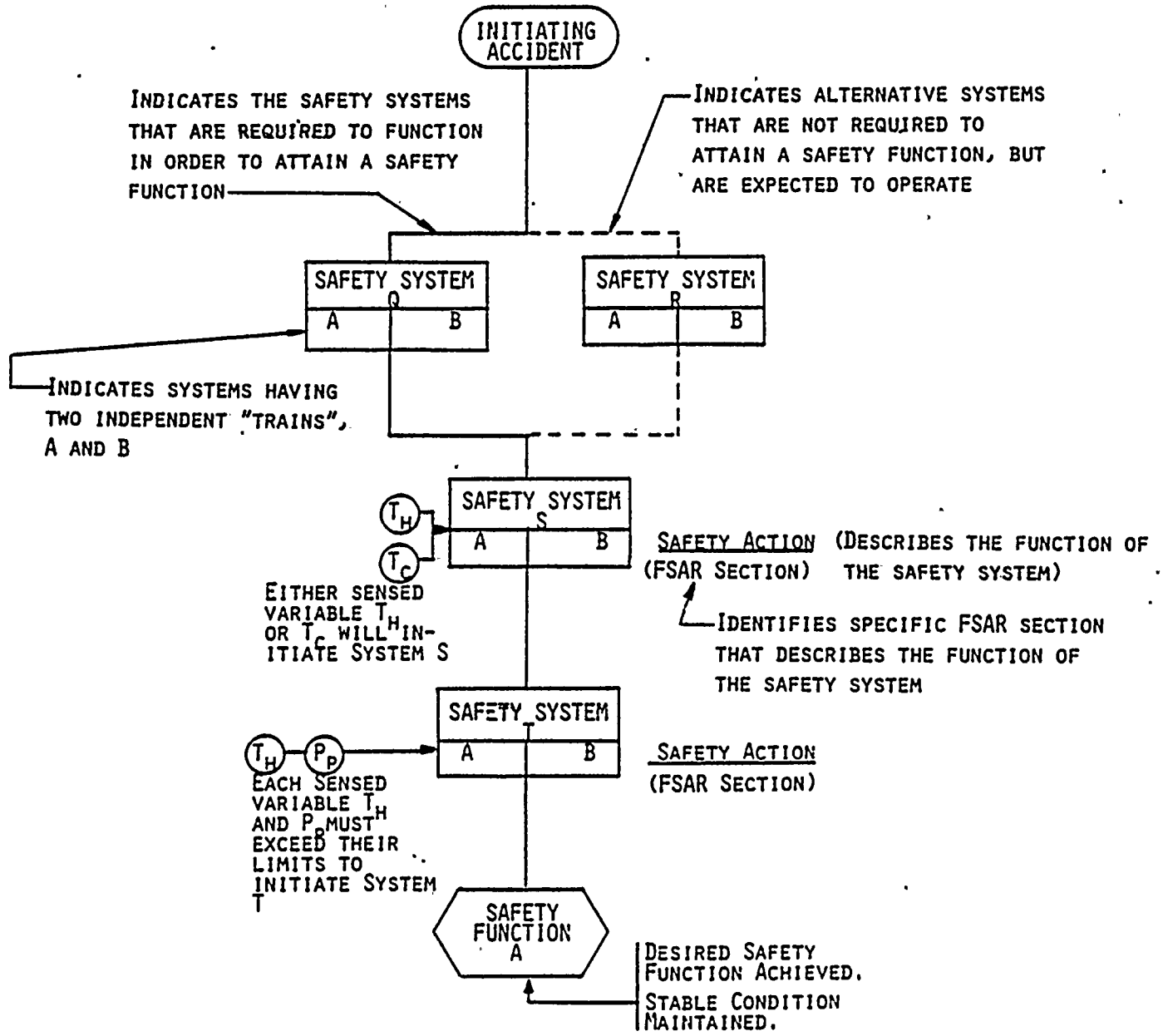


Figure 4.2
Sample Safety Function Path Diagram

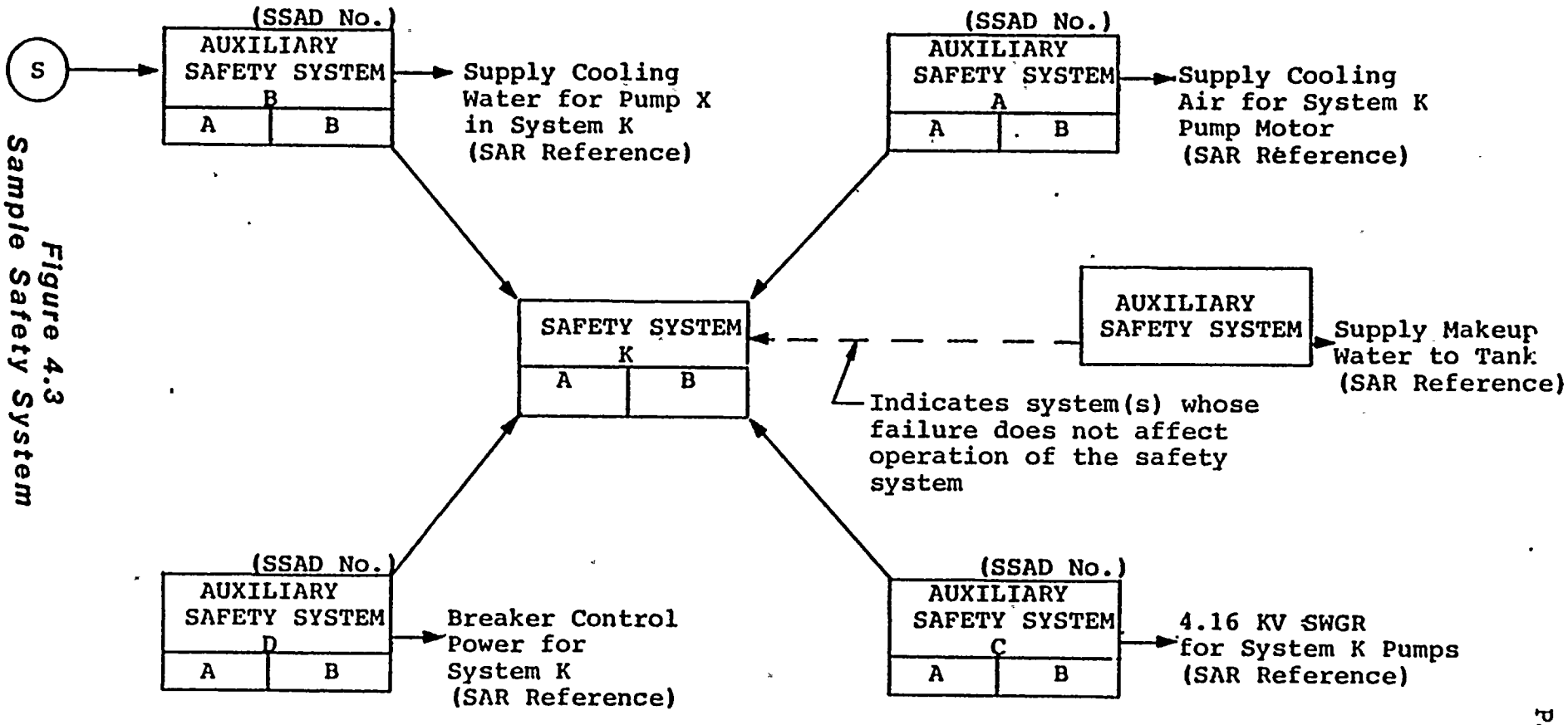
the SSAD, the corresponding set of equipment from the master list is included in the Safety Function Equipment List. This assures that all equipment required to support the operation of the safety system and completion of the safety function is considered.

4.2.2.2 Safety System Auxiliary Diagrams

Safety System Auxiliary Diagrams were developed for each system identified on a Safety Function Path Diagram. The purpose of these diagrams is to identify all auxiliary systems that are necessary to support a given safety system and the specific equipment in those auxiliary systems that are required to operate.

Prior to diagram development, the references documenting the operation of the chosen safety system (P&IDs, FCDs, FSAR sections) were reviewed and all auxiliary systems which support the safety system identified. A block diagram was subsequently developed that presented the safety system support requirements. It included the support systems, the presence of redundant trains, outputs of the support systems, initiating signals and trip conditions, and any operator actions. A sample SSAD is provided as Figure 4.3.

After completion of the diagram, an Auxiliary Equipment List was prepared for the safety system. The basis for this list is the WNP-2 Class 1 Electrical Equipment List. For each



SYSTEM DESCRIPTION

Figure 4.3
Sample Safety System
Auxiliary Diagram

auxiliary system on the SSAD, the corresponding set of equipment from this master list is included in the Auxiliary Equipment List. This assures that all equipment required to support the operation of the safety system and completion of the safety function is considered.

4.2.2.3 Safety Sequence Diagrams

Safety Sequence Diagrams were developed for each of the accidents postulated (see Section 4.2.1). First, an accident description was developed for each accident that includes a discussion of the plant's post-accident stable condition. After defining the plant initial conditions, the portions of each generic SFPD applicable to the accident were assembled to form the Safety Sequence Diagram. Each path was modified to reflect accident-specific parameters, actions, and inputs. The final SSD is a flowchart representation of the plant's response to the postulated accident via the operation of essential safety systems. A sample SSD is provided as Figure 4.4.

4.2.3 Failure Modes and Effects Analysis

A Failure Modes and Effects Analysis (FMEA) investigated the propagation of the consequences of a single component failure on its composite equipment, its system, and the safety function for which the system is required. Performed in conjunction with the SSA tasks, this analysis helped define the minimum set of equipment essential to safety system operation, thereby assuring safety function completion (see Figure 4.1). The FMEA was performed for each of the components on the Safety Function Equipment Lists and

Accident Description

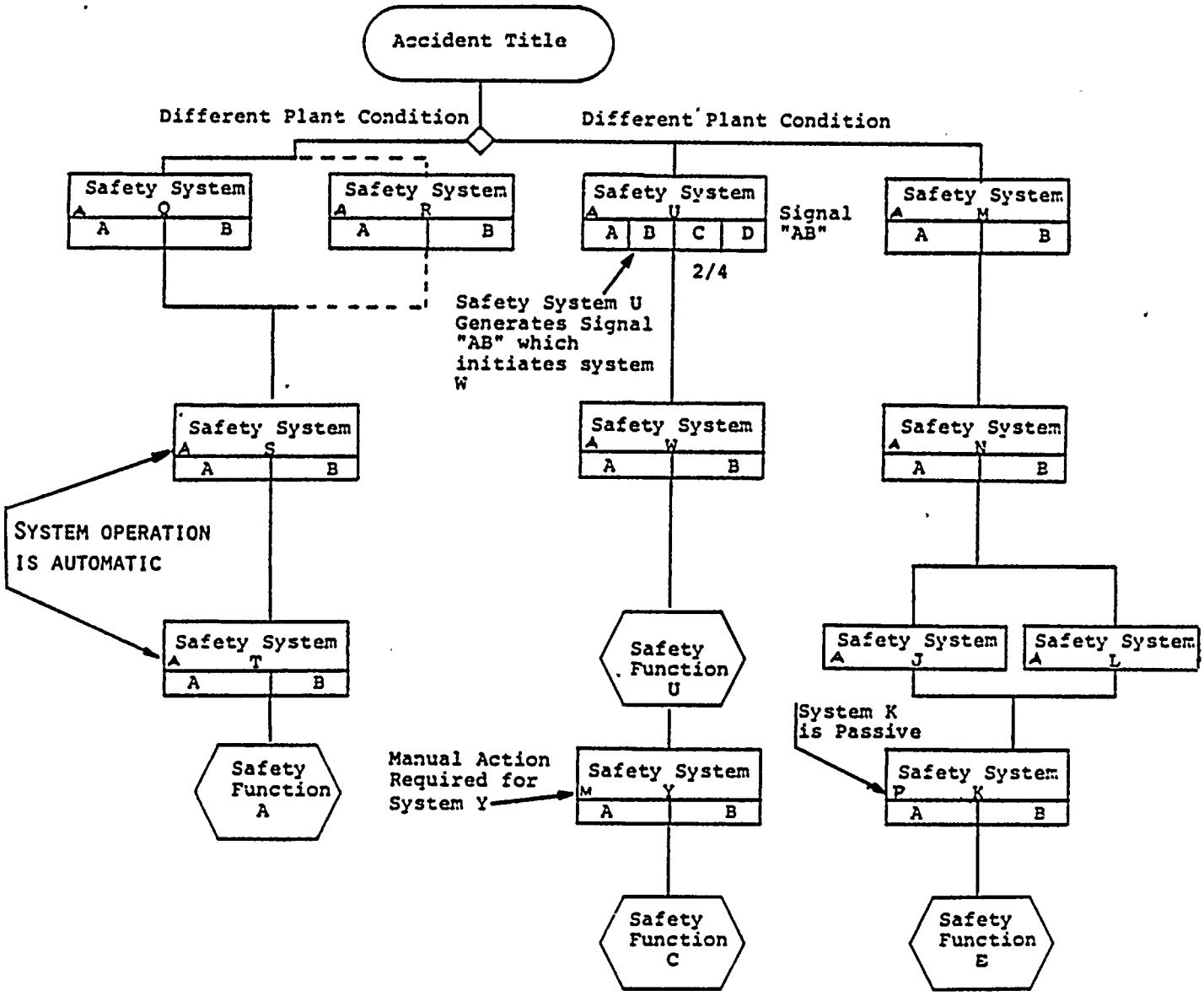


Figure 4.4
Sample Safety Sequence Diagram

the Auxiliary Equipment Lists that was not required to function to achieve the six safety functions (i.e., those components with accident use codes 2 or 3). Failure modes were then postulated for all this equipment.

Failure modes were postulated conservatively, without consideration of the scenario resulting in the failure. The effect of each credible failure on the equipment, its system, its safety system (for auxiliary equipment), and the safety function was assessed. Based on this assessment, the failure of some equipment was determined not to be detrimental to plant safety or accident mitigation and, therefore, need not be qualified for any accident environment. Equipment which can fail in a manner detrimental to plant safety must be qualified. When the effects of the failure did not concur with the initial accident use code, changes to the use code were initiated. An example of the FMEA for three of the components considered is included in Figure 4.5. A description of the failure effect which justifies the exclusion from qualification is included in Table D for the equipment that need not be qualified.

4.2.4 Selection of Minimum Required Equipment

Based on the SSA results and the present status of equipment qualification documentation, the minimum set of equipment requiring qualification documentation prior to full power operation was selected. All of the components on the Auxiliary Equipment (Section 4.2.2.2) and Safety Function Equipment Lists (Section 4.2.2.1), as modified by the FMEA, were considered.

FMEA OF EQUIPMENT

SFPD Sample

SSAD Sample

EQUIPMENT PART NO.	INITIAL USE CODE	WORST CASE FAILURE MODE	EFFECTS ON LOCAL & ASSOCIATED SYSTEMS (INCLUDING COMPENSATING FEATURES)	FINAL USE CODE
RRC-MO-23A	2	Motor Operator fails to operate valve	No effect - valve position is irrelevant, it has no post-accident function	3
FDR-LMS-3	2	Limit Switch fails in false position	Provides operator with false indication of containment isolation - must operate	1
SGT-RLY-ESH1A11	3	Hot-short or open	No effect - relay controls heaters that are not required for safety function. Does not detrimentally effect SGT function if heaters are on or off.	3

Figure 4.5

Sample Failure Modes and Effects Analysis

The first step in defining the minimum set of equipment requiring qualification documentation prior to full power operation consists of checking the current status of the essential equipment as identified during the SSA and FMEA. Elimination of items already documented as qualified resulted in a reduced set of essential components (see Figure 4.6). Qualified equipment is included in Table A.

The reduced set of safety-related electrical equipment was then evaluated to determine the minimum set of equipment to be shown qualified prior to full power operation. The SSDs were reviewed and a single path to accomplish each safety function was chosen. The path with the least number of components yet to be documented as qualified was chosen where possible. Train A components were chosen where appropriate in order to assure most items were powered from the same division of electrical power. The equipment required to assure the operation of each safety system in the chosen path represents the minimum set of required equipment to be provided with qualification documentation prior to full power operation at WNP-2 (see Figure 4.7). Table B identifies the equipment that will have qualification documentation prior to full power operation. Table C identifies the remaining safety-related electrical equipment to have qualification documentation prior to the end of the first refueling outage.

Figure 4.6

Unqualified Safety-Related Electrical Equipment Exposed to a Harsh Environment

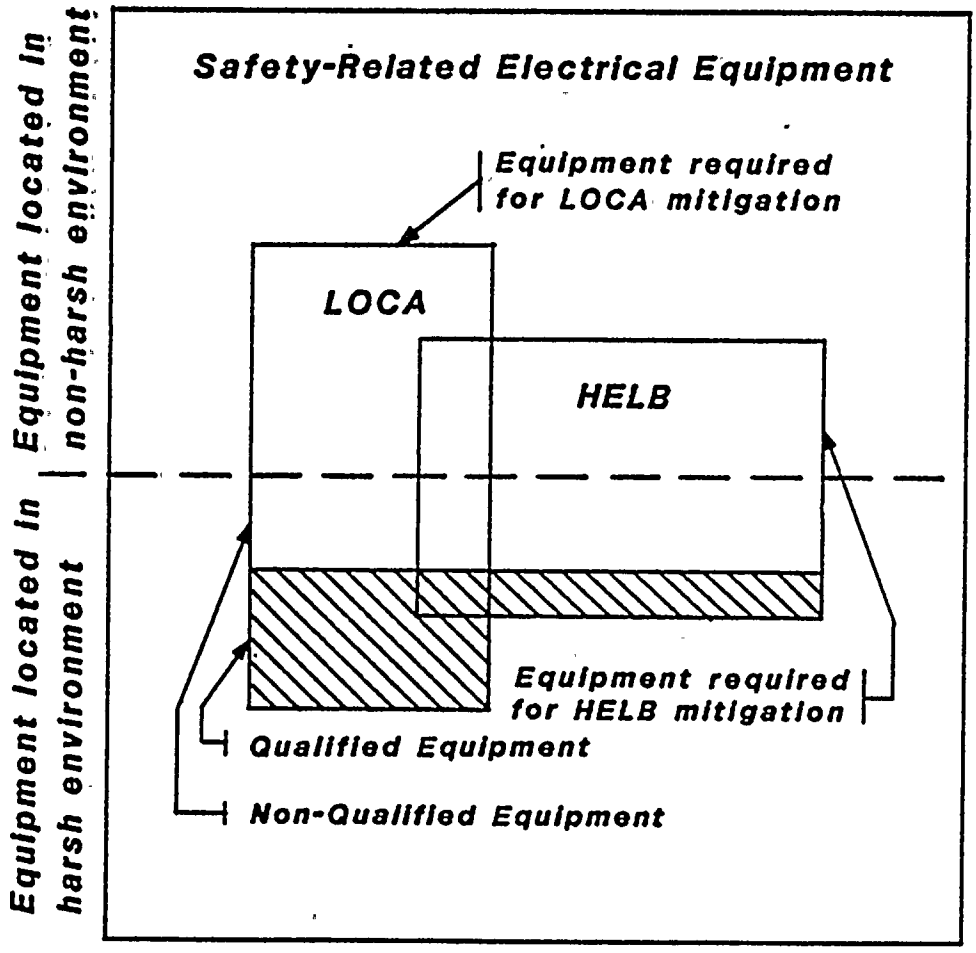


Figure 4.7

Safety-Related Electrical Equipment to Have Qualification Documentation Prior to Full Power Operation or First Refueling

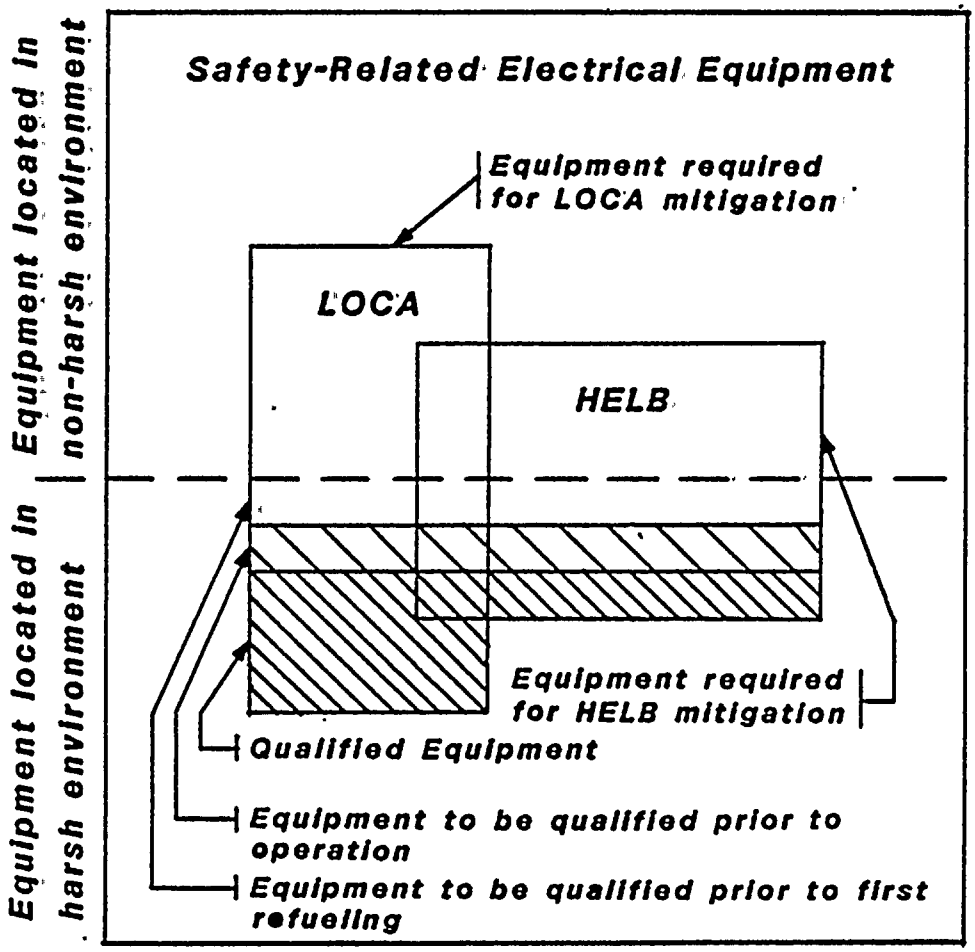


TABLE A

QUALIFIED EQUIPMENT

ACCIDENT	A = HELB - RCIC	G = HELB - RWCU	M = HELB - AS
LEGEND:	B = HELB - RCIC	H = HELB - RWCU	N = HELB - MS
	C = HELB - RCIC	I = HELB - RWCU	O = HELB - RFW
	D = HELB - AS	J = HELB - RWCU	P = LOCA - RRC
	E = HELB - RCIC	K = HELB - RWCU	Q = LOCA - MSL
	F = HELB - RWCU	L = HELB - RWCU	R = LOCA - SMALL

*: This component should be qualified to the conditions inside the reactor building due to LOCA breaks inside the primary containment.

1: P, Q, R	2: N, O, P, Q, R	3: A through R
4: F through L	5: A, B, C, E through L, N, O	
6: A, B, C, E, P, Q, R		
7: N, P, Q, R	8: O, P, Q, R	

NOTE: For definition of table headings, see Table E.

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CAC-42-EHC1A	R572D	1	None	3	*	
CAC-42-EHC1B	R572H	1	None	3	*	
CAC-42-FDR1A	R572D	1	None	3	*	
CAC-42-FDR1B	R572H	1	None	3	*	
CAC-42-FN/1A	R572D	1	None	3	*	
CAC-42-FN/1B	R572H	1	None	3	*	
CAC-EHC-1A	R572F	1	M	1	*	
CAC-EHC-1B	R572F	1	M	1	*	
CAC-FIC-FCV/67A	R572D	1	None	1	*	
CAC-FIC-FCV/67B	R572H	1	None	1	*	
CAC-FS-6A	R572D	1	None	1	*	
CAC-FS-6B	R572H	1	M	1	*	
CAC-FT-1A	R548G	1	LM	1	*	
CAC-FT-1B	R548P	1	JM	1	*	
CAC-FT-2A	R548G	1	LM	1	*	
CAC-FT-2B	R548P	1	JM	1	*	
CAC-FT-3A	R501F	1	D	1	*	
CAC-FT-3B	R501K	1	D	1	*	
CAC-FT-4A	R501F	1	D	1	*	
CAC-FT-4B	R501F	1	D	1	*	
CAC-FT-6A	R572F	1	M	1	*	
CAC-FT-6B	R572F	1	M	1	*	
CAC-FT-7A	R572F	1	M	1	*	
CAC-FT-7B	R572F	1	M	1	*	
CAC-LS-1A	R572D	1	None	1	*	
CAC-LS-1B	R572H	1	None	1	*	
CAC-LT-1A	R572F	1	M	1	*	
CAC-LT-1B	R572F	1	M	1	*	
CAC-MO-V/11	R548H	1	L	1	*	
CAC-MO-V/13	R471B	1	D	1	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CAC-MO-V/15	R548Q	1	K	1	*	
CAC-MO-V/17	R480M	1	None	1	*	
CAC-MO-V/2	R548K	1	LM	1	*	
CAC-MO-V/4	R471E	1	None	1	*	
CAC-MO-V/6	R572B	1	M	1	*	
CAC-MO-V/8	R471B	1	D	1	*	
CAC-PS-68A	R572D	1	None	1	*	
CAC-PS-68B	R572H	1	None	1	*	
CAC-PT-68A	R572F	1	M	1	*	
CAC-PT-68B	R572F	1	M	1	*	
CAC-R/I-4A	R572D	1	None	1	*	
CAC-R/I-4B	R572H	1	None	1	*	
CAC-TDS-1A	R572D	1	None	1	*	
CAC-TDS-1B	R572H	1	None	1	*	
CAC-TIC-TCV/4A	R572D	1	None	1	*	
CAC-TIC-TCV/4B	R572H	1	None	1	*	
CAC-TS-1A	R572D	1	None	1	*	
CAC-TS-1B	R572H	1	None	1	*	
CAC-TS-2A	R572D	1	None	1	*	
CAC-TS-2B	R572H	1	None	1	*	
CAC-TS-3A	R572D	1	None	1	*	
CAC-TS-3B	R572H	1	None	1	*	
CAC-TS-5A	R572D	1	None	1	*	
CAC-TS-5B	R572H	1	None	1	*	
CAC-TS-6A	R572D	1	None	1	*	
CAC-TS-6B	R572H	1	None	1	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CEP-POS-V/1A	R548Q	1	K	1	*	
CEP-POS-V/1B	R548Q	1	K	1	*	
CEP-POS-V/2A	R548Q	1	K	1	*	
CEP-POS-V/2B	R548Q	1	K	1	*	
CEP-POS-V/3A	R471J	1	D	1	*	
CEP-POS-V/3B	R471J	1	D	1	*	
CEP-POS-V/4A	R471J	1	D	1	*	
CEP-POS-V/4B	R471J	1	D	1	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CIA-42-C1A	R522N	2	None	3	*	
CIA-42-C1B	R522D	2	None	3	*	
CIA-42-V/20	R522N	1	None	3	*	
CIA-42-V/30A	R522N	1	None	3	*	
CIA-42-V/30B	R522D	1	None	3	*	
CIA-MO-20	R522K	1	D	3	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CMS-LT-2	R441F	1	None	3	*	
CMS-PT-1	R548G	1	LM	1	*	
CMS-PT-2	R548P	1	JM	1	*	
CMS-PT-2R	R548P	2	JM	1	*	
CMS-PT-3	R501F	1	D	1	*	
CMS-PT-4	R501K	1	D	1	*	
CMS-PT-5	R548G	1	LM	1	*	
CMS-PT-6	R548P	1	JM	1	*	
CMS-PT-6R	R548P	2	JM	1	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CRA-42-AD1A1	R522N	2	None	3	*	
CRA-42-AD1B1	R522D	2	None	3	*	
CRA-42-AD2A	R522N	2	None	3	*	
CRA-42-AD2B	R522D	2	None	3	*	
CRA-42-FN/1A1	R522N	2	None	3	*	
CRA-42-FN/1A2	R522N	2	None	3	*	
CRA-42-FN/1B1	R522D	2	None	3	*	
CRA-42-FN/1B2	R522D	2	None	3	*	
CRA-42-FN/1C1	R522D	2	None	3	*	
CRA-42-FN/1C2	R522D	2	None	3	*	
CRA-42-FN/2A1	R522N	2	None	3	*	
CRA-42-FN/2A2	R522N	2	None	3	*	
CRA-42-FN/2B1	R522D	2	None	3	*	
CRA-42-FN/2B2	R522D	2	None	3	*	
CRA-42-FN/3A	R522N	1	None	3	*	
CRA-42-FN/3B	R522D	1	None	3	*	
CRA-42-FN/3C	R522D	1	None	3	*	
CRA-42-FN/4A	R522N	1	None	3	*	
CRA-42-FN/4B	R522D	1	None	3	*	
CRA-42-FN/5A	R522N	1	None	3	*	
CRA-42-FN/5B	R522D	1	None	3	*	
CRA-42-FN/5C	R522N	1	None	3	*	
CRA-42-FN/5D	R522D	1	None	3	*	
CRA-RLY-FN/4ACR	R522N	2	None	1	*	
CRA-RLY-FN/4BCR	R522D	2	None	1	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CSP-POS-V/1	R501I	1	None	1	*	
CSP-POS-V/2	R501I	1	None	1	*	
CSP-POS-V/3	R471D	1	D	1	*	
CSP-POS-V/4	R471D	1	D	1	*	
CSP-POS-V/5	R471D	1	D	1	*	
CSP-POS-V/9	R471B	1	D	1	*	
CSP-RLY-V/10CR	R471H	1	None	1	*	
CSP-RLY-V/10R1	R471H	1	None	1	*	
CSP-RLY-V/10R2	R471H	1	None	1	*	
CSP-RLY-V/10R5	R471H	1	None	1	*	
CSP-RLY-V/7CR	R471H	1	None	1	*	
CSP-RLY-V/7R1	R471H	1	None	1	*	
CSP-RLY-V/7R2	R471H	1	None	1	*	
CSP-RLY-V/7R5	R471H	1	None	1	*	
CSP-RLY-V/8CR	R471H	1	None	1	*	
CSP-RLY-V/8R1	R471H	1	None	1	*	
CSP-RLY-V/8R2	R471H	1	None	1	*	
CSP-RLY-V/8R3	R471H	1	None	1	*	
CSP-RLY-V/8R4	R471H	1	None	1	*	
CSP-RLY-V/8R5	R471H	1	None	1	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
E-42-ELP/7BA	R572D	2	None	3	*	
E-42-ELP/7BB	R522N	2	None	3	*	
E-42-ELP/8BA	R522D	2	None	3	*	
E-42-ELP/8BB	R522D	2	None	3	*	
E-42-OBLGT/CP	R572D	2	None	3	*	
E-42-TT/TV	R471H	2	None	3	*	
E-CB-MC7BA	R522N	2	None	3	*	
E-CB-MC7BB	R522N	2	None	3	*	
E-CB-MC8BA	R522D	2	None	3	*	
E-CB-MC8BB	R522D	2	None	3	*	
E-CT-7BA	R522N	2	None	3	*	
E-CT-7BB	R522N	2	None	3	*	
E-CT-8BA	R522D	2	None	3	*	
E-CT-8BB	R522D	2	None	3	*	
E-RLY-50G/7BA	R522N	2	None	3	*	
E-RLY-50G/7BB	R522N	2	None	3	*	
E-RLY-50G/8BA	R522D	2	None	3	*	
E-RLY-50G/8BB	R522D	2	None	3	*	
E-TR-7BA	R606A	2	None	3	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
EDR-SPV-19	R422E	1	None	1	*	
EDR-SPV-20	R471B	1	D	1	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
FDR-SPV-3	R422E	1	None	1	*	
FDR-SPV-4	R471B	1	D	1	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
FPC-42-P/1A	R572D	2	None	3	*	
FPC-42-P/1B	R572H	2	None	3	*	
FPC-42-V/153	R522D	2	None	3	*	
FPC-42-V/154	R522N	2	None	3	*	
FPC-42-V/156	R522N	2	None	3	*	
FPC-42-V/172	R522N	2	None	3	*	
FPC-42-V/173	R522D	2	None	3	*	
FPC-42-V/175	R522D	2	None	3	*	
FPC-42-V/181A	R522N	2	None	3	*	
FPC-42-V/181B	R522D	2	None	3	*	
FPC-42-V/184	R522D	2	None	3	*	
FPC-MO-153	R441G	1	None	3	*	
FPC-MO-154	R441G	1	None	3	*	
FPC-MO-156	R441G	1	None	3	*	
FPC-RLY-P/CR1A	R572D	2	None	3	*	
FPC-RLY-P/CR1B	R572H	2	None	3	*	
FPC-TD-P/TKP1A	R572D	2	None	3	*	
FPC-TD-P/TKP1B	R572H	2	None	3	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
HPCS-M-P/3	R422D	1	None	3	*	
HPCS-MO-1	R422D	1	None	3	*	
HPCS-MO-10	R441C	1	None	3	*	
HPCS-MO-11	R441C	1	None	3	*	
HPCS-MO-12	R422D	1	None	3	*	
HPCS-MO-15	R441C	1	None	3	*	
HPCS-MO-23	R441C	1	None	3	*	
HPCS-MO-4	R522H	1	D	3	D*	
HPCS-PIS-13	R471B	1	D	3	D*	
HPCS-PS-12	R471B	1	D	3	D*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
LD-TE-18A	R441G	1	None	5	*	
LD-TE-18B	R441F	1	None	5	*	
LD-TE-18C	R441G	1	None	5	*	
LD-TE-18D	R441F	1	None	5	*	
LD-TE-27A	R422I	1	None	5	*	
LD-TE-27B	R422J	1	None	5	*	
LD-TE-27C	R422I	1	None	5	*	
LD-TE-27D	R422J	1	None	5	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
LPCS-42-FCV/11	R522N	1	None	3	*	
LPCS-42-P/2	R522N	1	None	3	*	
LPCS-42-V/1	R522N	1	None	3	*	
LPCS-42-V/12	R522N	2	None	3	*	
LPCS-42-V/5	R522N	1	None	3	*	
LPCS-MO-1	R441B	1	None	3	*	
LPCS-MO-11	R422C	1	None	3	*	
LPCS-MO-12	R441B	1	None	3	*	
LPCS-MO-5	R522B	1	DI	3	DI*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
MS-42-V/16	R522D	1	None	3	*	
MS-42-V/67A	R522N	1	None	3	*	
MS-42-V/67B	R522N	1	None	3	*	
MS-42-V/67C	R522N	1	None	3	*	
MS-42-V/67D	R522N	1	None	3	*	
MS-DPIS-10D	R501B	1	D	7	*	
MS-DPIS-11A	R501K	1	D	7	*	
MS-DPIS-11B	R471D	1	D	7	*	
MS-DPIS-11C	R471B	1	D	7	*	
MS-DPIS-11D	R501B	1	D	7	*	
MS-DPIS-8A	R501K	1	D	7	*	
MS-DPIS-8B	R471D	1	D	7	*	
MS-DPIS-8C	R471B	1	D	7	*	
MS-DPIS-8D	R501B	1	D	7	*	
MS-DPIS-9A	R501K	1	D	7	*	
MS-DPIS-9B	R471D	1	D	7	*	
MS-DPIS-9C	R471B	1	D	7	*	
MS-DPIS-9D	R501B	1	D	7	*	
MS-MO-V/16	C504	1	PQR	2	PQR	
MS-MO-V/19	R501O	1	NO	2	NO*	
MS-MO-V/67A	R501O	1	NO	2	NO*	
MS-MO-V/67B	R501O	1	NO	2	NO*	
MS-MO-V/67C	R501O	1	NO	2	NO*	
MS-MO-V/67D	R501O	1	NO	2	NO*	
MS-PS-20A	R522K	1	D	3	D*	
MS-PS-20B	R522H	1	D	3	D*	
MS-PS-20C	R522C	1	DI	3	DI*	
MS-PS-20D	R522P	1	D	3	D*	
MS-PS-23A	R522K	1	D	3	D*	
MS-PS-23B	R522H	1	D	3	D*	
MS-PS-23C	R522C	1	DI	3	DI*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
MSLC-42-EHC/A	R522N	2	None	3	*	
MSLC-42-EHC/B	R522N	2	None	3	*	
MSLG-42-EHC/C	R522N	2	None	3	*	
MSLC-42-EHC/D	R522N	2	None	3	*	
MSLC-42-FN/1	R522N	2	None	3	*	
MSLC-42-FN/2	R522D	2	None	3	*	
MSLC-42-V/10	R522D	1	None	3	*	
MSLC-42-V/1A	R522N	2	None	3	*	
MSLC-42-V/1B	R522N	2	None	3	*	
MSLC-42-V/1C	R522N	2	None	3	*	
MSLC-42-V/1D	R522N	2	None	3	*	
MSLC-42-V/2A	R522N	1	None	3	*	
MSLC-42-V/2B	R522N	1	None	3	*	
MSLC-42-V/2C	R522N	1	None	3	*	
MSLC-42-V/2D	R522N	1	None	3	*	
MSLC-42-V/3A	R522N	1	None	3	*	
MSLC-42-V/3B	R522N	1	None	3	*	
MSLC-42-V/3C	R522N	1	None	3	*	
MSLC-42-V/3D	R522N	1	None	3	*	
MSLC-42-V/4	R522D	1	None	3	*	
MSLC-42-V/5	R522D	1	None	3	*	
MSLC-42-V/9	R522D	1	None	3	*	
MSLC-MO-10	R501O	1	NO	3	NO*	
MSLC-MO-2A	R501O	1	NO	3	NO*	
MSLC-MO-2B	R501O	1	NO	3	NO*	
MSLC-MO-2C	R501O	1	NO	3	NO*	
MSLC-MO-2D	R501O	1	NO	3	NO*	
MSLC-MO-3A	R501O	1	NO	3	NO*	
MSLC-MO-3B	R501O	1	NO	3	NO*	
MSLC-MO-3C	R501O	1	NO	3	NO*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
MSLC-MO-3D	R501O	1	NO	3	NO*	
MSLC-MO-4	R501O	1	NO	3	NO*	
MSLC-MO-5	R501O	1	NO	3	NO*	
MSLC-MO-9	R501O	1	NO	3	NO*	
MSLC-PS-20	R522K	1	D	3	D*	
MSLC-PS-24	R522K	1	D	3	D*	
MSLC-PS-25	R522K	1	D	3	D*	
MSLC-PS-60	R522K	1	D	3	D*	
MSLC-PS-70A	R522P	1	D	3	D*	
MSLC-PS-70B	R522P	1	D	3	D*	
MSLC-PS-70C	R522P	1	D	3	D*	
MSLC-PS-70D	R522P	1	D	3	D*	
MSLC-PS-7A	R522P	1	D	3	D*	
MSLC-PS-7B	R522P	1	D	3	D*	
MSLC-PS-7C	R522P	1	D	3	D*	
MSLC-PS-7D	R522P	1	D	3	D*	
MSLC-PS-8A	R522P	1	D	3	D*	
MSLC-PS-8B	R522P	1	D	3	D*	
MSLC-PS-8C	R522P	1	D	3	D*	
MSLC-PS-8D	R522P	1	D	3	D*	
MSLC-PT-23	R522K	1	D	3	D*	
MSLC-PT-6A	R522P	1	D	3	D*	
MSLC-PT-6B	R522P	1	D	3	D*	
MSLC-PT-6C	R522P	1	D	3	D*	
MSLC-PT-6D	R522P	1	D	3	D*	
MSLC-RLY-80/FN1	R522N	1	None	3	*	
MSLC-RLY-80/FN2	R522D	1	None	3	*	
MSLC-RLY-80/V10	R522D	1	None	3	*	
MSLC-RLY-80/V1A	R522N	1	None	3	*	
MSLC-RLY-80/V1B	R522N	1	None	3	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
MSLC-RLY-80/V1C	R522N	1	None	3	*	
MSLC-RLY-80/V1D	R522N	1	None	3	*	
MSLC-RLY-80/V2A	R522N	1	None	3	*	
MSLC-RLY-80/V2B	R522N	1	None	3	*	
MSLC-RLY-80/V2C	R522N	1	None	3	*	
MSLC-RLY-80/V2D	R522N	1	None	3	*	
MSLC-RLY-80/V3A	R522N	1	None	3	*	
MSLC-RLY-80/V3B	R522N	1	None	3	*	
MSLC-RLY-80/V3C	R522N	1	None	3	*	
MSLC-RLY-80/V3D	R522N	1	None	3	*	
MSLC-RLY-80/V4	R522D	1	None	3	*	
MSLC-RLY-80/V5	R522D	1	None	3	*	
MSLC-RLY-80/V9	R522D	1	None	3	*	

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QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
PI-SV-250	R522H	1	D	1	*	
PI-SV-251	R522H	1	D	1	*	
PI-SV-253	R522H	1	D	1	*	
PI-SV-256	R522P	1	D	1	*	
PI-SV-257	R522P	1	D	1	*	
PI-SV-259	R522P	1	D	1	*	
PI-SV-262	R522H	2	D	1	*	
PI-SV-263	R522H	2	D	1	*	
PI-SV-264	R522H	2	D	1	*	
PI-SV-265	R471D	2	D	1	*	
PI-SV-266	R522H	2	D	1	*	
PI-SV-267	R522H	2	D	1	*	
PI-SV-268	R522P	2	D	1	*	
PI-SV-269	R471A	2	D	1	*	

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QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RCC-42-V/104	R522D	1	None	3	*	
RCC-42-V/129	R522D	1	None	3	*	
RCC-42-V/130	R572D	1	None	3	*	
RCC-42-V/131	R572H	1	None	3	*	
RCC-42-V/21	R522N	1	None	3	*	
RCC-42-V/40	R522D	1	None	3	*	
RCC-42-V/5	R522N	1	None	3	*	
RCC-MO-129	R548L	1	None	1	*	
RCC-MO-130	R548L	1	None	1	*	
RCC-MO-131	R548L	1	None	1	*	
RCC-MO-21	R510S	1	EF	1	*	
RCC-MO-5	R510S	1	EF	1	*	
RCC-MO-40	C517	1	PQR	1	PQR	

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QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RCIC-42-P/2	R471H	2	None	3	*	
RCIC-42-P/3	R522N	2	None	3	*	
RCIC-42-P/4	R471H	2	None	3	*	
RCIC-42-V/13	R471H	2	None	3	*	
RCIC-42-V/19	R471H	2	None	3	*	
RCIC-42-V/22	R471H	2	None	3	*	
RCIC-42-V/45	R471H	2	None	3	*	
RCIC-42-V/59	R471H	2	None	3	*	
RCIC-42-V/63	R522D	2	None	3	*	
RCIC-42-V/64	R471H	2	None	3	*	
RCIC-42-V/69	R471H	2	None	3	*	
RCIC-42-V/76	R522D	2	None	3	*	
RCIC-MO-V/13	R548H	1	L	6	*	
RCIC-MO-V/31	R441I	1	AB	6	AB*	
RCIC-MO-V/63	C556	2	PQR	6	PQR	
RCIC-MO-V/64	R548B	2	J	6	*	
RCIC-MO-V/68	R471I	1	None	6	*	
RCIC-MO-V/8	R510S	1	EF	6	E*	

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QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
REA-POS-V/1	R572N	1	M	1	*	
REA-POS-V/2	R572N	1	M	1	*	

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QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
RFW-SPV-32A1	R471J	2	D	8	*	
RFW-SPV-32A2	R471J	2	D	8	*	
RFW-SPV-32B1	R471J	2	D	8	*	
RFW-SPV-32B2	R471J	2	D	8	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RHR-42-FCV/64A	R522N	1	None	3	*	
RHR-42-FCV/64B	R522D	1	None	3	*	
RHR-42-FCV/64C	R522D	1	None	3	*	
RHR-42-P/3	R522D	2	None	3	*	
RHR-42-V/115	R572H	1	None	3	*	
RHR-42-V/116	R572H	1	None	3	*	
RHR-42-V/11A	R522N	1	None	3	*	
RHR-42-V/11B	R522D	1	None	3	*	
RHR-42-V/123A	R522D	2	None	3	*	
RHR-42-V/123B	R522D	2	None	3	*	
RHR-42-V/124A	R522N	2	None	3	*	
RHR-42-V/124B	R522N	2	None	3	*	
RHR-42-V/125A	R522D	2	None	3	*	
RHR-42-V/125B	R522D	2	None	3	*	
RHR-42-V/134A	R522N	1	None	3	*	
RHR-42-V/134B	R522D	1	None	3	*	
RHR-42-V/16A	R572D	1	None	3	*	
RHR-42-V/16B	R522D	1	None	3	*	
RHR-42-V/17A	R572D	1	None	3	*	
RHR-42-V/17B	R522D	1	None	3	*	
RHR-42-V/21	R522D	1	None	3	*	
RHR-42-V/23	R471H	1	None	3	*	
RHR-42-V/24A	R522N	1	None	3	*	
RHR-42-V/24B	R522D	1	None	3	*	
RHR-42-V/26A	R522N	1	None	3	*	
RHR-42-V/26B	R522D	1	None	3	*	
RHR-42-V/27A	R522N	1	None	3	*	
RHR-42-V/27B	R522D	1	None	3	*	
RHR-42-V/3A	R572D	1	None	3	*	
RHR-42-V/3B	R572H	1	None	3	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RHR-42-V/42A	R522N	1	None	3	*	
RHR-42-V/42B	R522D	1	None	3	*	
RHR-42-V/42C	R522D	1	None	3	*	
RHR-42-V/47A	R572D	1	None	3	*	
RHR-42-V/47B	R572H	1	None	3	*	
RHR-42-V/48A	R572D	1	None	3	*	
RHR-42-V/48B	R572H	1	None	3	*	
RHR-42-V/49	R572H	2	None	3	*	
RHR-42-V/4A	R522N	1	None	3	*	
RHR-42-V/4B	R522D	1	None	3	*	
RHR-42-V/4C	R522D	1	None	3	*	
RHR-42-V/52A	R572D	1	None	3	*	
RHR-42-V/52B	R572H	1	None	3	*	
RHR-42-V/53A	R522N	1	None	3	*	
RHR-42-V/53B	R522N	1	None	3	*	
RHR-42-V/68A	R572D	2	None	3	*	
RHR-42-V/68B	R572H	2	None	3	*	
RHR-42-V/6A	R522N	1	None	3	*	
RHR-42-V/6B	R522D	1	None	3	*	
RHR-42-V/73A	R572D	1	None	3	*	
RHR-42-V/73B	R572H	1	None	3	*	
RHR-42-V/74A	R572D	1	None	3	*	
RHR-42-V/74B	R572H	1	None	3	*	
RHR-42-V/8	R471H	1	None	3	*	
RHR-42-V/87A	R572D	1	None	3	*	
RHR-42-V/87B	R572H	1	None	3	*	
RHR-42-V/9	R522D	1	None	3	*	
RHR-DPIS-9B	R522H	1	D	3	D*	
RHR-DPIS-9C	R522O	1	G	3	G*	
RHR-FT-15A	R501B	1	D	3	D*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RHR-M-P/3	R422M	1	C	3	C*	
RHR-MO-11A	R471F	1	None	3	*	
RHR-MO-11B	R471E	1	None	3	*	
RHR-MO-124A	R471F	1	None	3	*	
RHR-MO-124B	R471F	1	None	3	*	
RHR-MO-125A	R471E	1	None	3	*	
RHR-MO-125B	R471E	1	None	3	*	
RHR-MO-134A	R548M	1	M	3	M*	
RHR-MO-134B	R548L	1	None	3	*	
RHR-MO-16A	R548B	1	J	1	*	
RHR-MO-16B	R501M	1	None	1	*	
RHR-MO-17A	R548B	1	J	1	*	
RHR-MO-17B	R501M	1	None	1	*	
RHR-MO-21	R441J	1	C	3	C*	
RHR-MO-23	R548H	1	L	1	*	
RHR-MO-24A	R471F	1	None	1	*	
RHR-MO-24B	R471E	1	None	1	*	
RHR-MO-27A	R471A	1	D	3	D*	
RHR-MO-27B	R471E	1	None	3	*	
RHR-MO-3A	R548N	1	None	3	*	
RHR-MO-3B	R548J	1	None	3	*	
RHR-MO-40	R548J	2	None	3	*	
RHR-MO-42A	R522O	1	G	3	G*	
RHR-MO-42B	R522G	1	HI	3	HI*	
RHR-MO-42C	R522O	1	G	3	G*	
RHR-MO-47A	R572L	1	None	3	*	
RHR-MO-47B	R572I	1	None	3	*	
RHR-MO-48A	R548N	1	None	3	*	
RHR-MO-48B	R548J	1	None	3	*	
RHR-MO-49	R548J	2	None	3	*	

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QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RHR-MO-4A	R441G	1	None	3	*	
RHR-MO-4B	R441F	1	None	3	*	
RHR-MO-4C	R441J	1	C	3	C*	
RHR-MO-52A	R572L	1	None	3	*	
RHR-MO-52B	R572I	1	None	3	*	
RHR-MO-53A	R510S	1	EF	3	EF*	
RHR-MO-53B	R501M	1	None	3	*	
RHR-MO-64A	R441G	1	None	3	*	
RHR-MO-64B	R441F	1	None	3	*	
RHR-MO-64C	R441J	1	C	3	C*	
RHR-MO-68A	R548N	1	None	3	*	
RHR-MO-68B	R548J	1	None	3	*	
RHR-MO-6A	R422J	1	None	3	*	
RHR-MO-6B	R422I	1	None	3	*	
RHR-MO-73A	R572L	1	None	3	*	
RHR-MO-73B	R572I	1	None	3	*	
RHR-MO-74A	R572L	1	None	3	*	
RHR-MO-74B	R572I	1	None	3	*	
RHR-MO-8	R501I	1	None	3	*	
RHR-MO-87A	R572L	1	None	3	*	
RHR-MO-87B	R572I	1	None	3	*	
RHR-MO-93	R548J	1	None	3	*	
RHR-MO-94	R548J	1	None	3	*	
RHR-MO-99A	C501	1	PQR	1	PQR	
RHR-MO-99B	C501	1	PQR	1	PQR	
RHR-PS-19A	R501B	1	D	3	D*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
ROA-POS-AD/10	R522D	1	None	1	*	
ROA-POS-AD/12	R471H	1	None	1	*	
ROA-POS-AD/13	R572D	1	None	1	*	
ROA-POS-AD/14	R572H	1	None	1	*	
ROA-SPV-10	R522D	1	None	1	*	
ROA-SPV-12	R471H	1	None	1	*	
ROA-SPV-13	R572D	1	None	1	*	
ROA-SPV-14	R572H	1	None	1	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RPS-PS-2A	R522K	1	D	1	*	
RPS-PS-2B	R522H	1	D	1	*	
RPS-PS-2C	R522C	1	DI	1	*	
RPS-PS-2D	R522P	1	D	1	*	
RPS-PS-4	R522K	1	D	1	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RRA-42-FN/1	R522D	1	None	3	*	
RRA-42-FN/10	R522D	1	None	3	*	
RRA-42-FN/11	R522N	1	None	3	*	
RRA-42-FN/12	R522N	1	None	3	*	
RRA-42-FN/13	R572D	1	None	3	*	
RRA-42-FN/14	R572H	1	None	3	*	
RRA-42-FN/15	R572D	1	None	3	*	
RRA-42-FN/17	R572H	1	None	3	*	
RRA-42-FN/19	R572D	1	None	3	*	
RRA-42-FN/2	R522N	1	None	3	*	
RRA-42-FN/20	R522D	1	None	3	*	
RRA-42-FN/3	R522D	1	None	3	*	
RRA-42-FN/5	R522N	1	None	3	*	
RRA-42-FN/6	R522D	2	None	3	*	
RRA-M-FN/1	R441J	1	C	3	C*	
RRA-M-FN/10	R522D	1	None	3	*	
RRA-M-FN/11	R522N	1	None	3	*	
RRA-M-FN/12	R471H	1	None	3	*	
RRA-M-FN/13	R572D	1	None	3	*	
RRA-M-FN/14	R572H	1	None	3	*	
RRA-M-FN/15	R548E	1	None	1	*	
RRA-M-FN/17	R548F	1	None	1	*	
RRA-M-FN/19	R548L	1	None	3	*	
RRA-M-FN/2	R441G	1	None	3	*	
RRA-M-FN/20	R548L	1	None	3	*	
RRA-M-FN/3	R441F	1	None	3	*	
RRA-M-FN/4	R441C	1	None	3	*	
RRA-M-FN/5	R441B	1	None	3	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RRC-42-V/16A	R522D	2	None	3	*	
RRC-42-V/16B	R522N	2	None	3	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RWCU-42-V/1	R522D	1	None	3	*	
RWCU-42-V/4	R471H	1	None	3	*	
RWCU-42-V/40	R522N	1	None	3	*	
RWCU-MO-1	C540	1	PQR	1,4	PQR	
RWCU-MO-4	R522F	1	HI	1,4	HI*	
RWCU-MO-40	R510S	1	EF	1,4	F*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
SGT-42-EHC/1A1	R572D	1	None	3	*	
SGT-42-EHC/1A2	R572H	1	None	3	*	
SGT-42-EHC/1B1	R572D	1	None	3	*	
SGT-42-EHC/1B2	R572H	1	None	3	*	
SGT-42-ESH/1A	R522N	2	None	5	*	
SGT-42-ESH/1B	R522D	2	None	5	*	
SGT-42-ESH/2A	R522N	2	None	5	*	
SGT-42-ESH/2B	R522D	2	None	5	*	
SGT-42-FN/1A1	R572D	1	None	3	*	
SGT-42-FN/1A2	R572H	1	None	3	*	
SGT-42-FN/1B1	R572D	1	None	3	*	
SGT-42-FN/1B2	R572H	1	None	3	*	
SGT-42-V/1A	R572D	1	None	3	*	
SGT-42-V/1B	R572H	1	None	3	*	
SGT-42-V/3A1	R572D	1	None	3	*	
SGT-42-V/3A2	R572H	1	None	3	*	
SGT-42-V/3B1	R572D	1	None	3	*	
SGT-42-V/3B2	R572H	1	None	3	*	
SGT-42-V/4A1	R572D	1	None	3	*	
SGT-42-V/4A2	R572H	1	None	3	*	
SGT-42-V/4B1	R572D	1	None	3	*	
SGT-42-V/4B2	R572H	1	None	3	*	
SGT-42-V/5A1	R572D	1	None	3	*	
SGT-42-V/5A2	R572H	1	None	3	*	
SGT-42-V/5B1	R572D	1	None	3	*	
SGT-42-V/5B2	R572H	1	None	3	*	
SGT-CNTR-H/1A11	R572D	1	None	5	*	
SGT-CNTR-H/1A12	R572D	1	None	5	*	
SGT-CNTR-H/1A13	R572D	1	None	5	*	
SGT-CNTR-H/1A21	R572H	1	None	5	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
SGT-CNTR-H/1A22	R572H	1	None	5	*	
SGT-CNTR-H/1A23	R572H	1	None	5	*	
SGT-CNTR-H/1B11	R572D	1	None	5	*	
SGT-CNTR-H/1B12	R572D	1	None	5	*	
SGT-CNTR-H/1B13	R572D	1	None	5	*	
SGT-CNTR-H/1B21	R572H	1	None	5	*	
SGT-CNTR-H/1B22	R572H	1	None	5	*	
SGT-CNTR-H/1B23	R572H	1	None	5	*	
SGT-EHC-1A1	R572N	1	M	5	*	
SGT-EHC-1A2	R572N	1	M	5	*	
SGT-EHC-1B1	R572N	1	M	5	*	
SGT-EHC-1B2	R572N	1	M	5	*	
SGT-MO-1A	R572N	1	M	5	*	
SGT-MO-3A1	R572N	1	M	5	*	
SGT-MO-3A2	R572N	1	M	5	*	
SGT-MO-4A1	R572N	1	M	5	*	
SGT-MO-4A2	R572N	1	M	5	*	
SGT-MO-5A1	R572N	1	M	5	*	
SGT-MO-5A2	R572N	1	M	5	*	
SGT-RLY-1A1TR1C	R572D	1	None	5	*	
SGT-RLY-1A1TR2C	R572D	1	None	5	*	
SGT-RLY-1A2TR1C	R572H	1	None	5	*	
SGT-RLY-1A2TR2C	R572H	1	None	5	*	
SGT-RLY-1B1TR1C	R572D	1	None	5	*	
SGT-RLY-1B1TR2C	R572D	1	None	5	*	
SGT-RLY-1B2TR1C	R572H	1	None	5	*	
SGT-RLY-1B2TR2C	R572H	1	None	5	*	
SGT-RLY-EH1A15	R572D	1	None	5	*	
SGT-RLY-EH1A16	R572D	1	None	5	*	
SGT-RLY-EH1A17	R572D	1	None	5	*	

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QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
SGT-RLY-EH1A21	R572H	1	None	5	*	
SGT-RLY-EH1A22	R572H	1	None	5	*	
SGT-RLY-EH1A23	R572H	1	None	5	*	
SGT-RLY-EH1A24	R572H	1	None	5	*	
SGT-RLY-EH1A25	R572H	1	None	5	*	
SGT-RLY-EH1A26	R572H	1	None	5	*	
SGT-RLY-EH1A27	R572H	1	None	5	*	
SGT-RLY-EH1B11	R572D	1	None	5	*	
SGT-RLY-EH1B12	R572D	1	None	5	*	
SGT-RLY-EH1B13	R572D	1	None	5	*	
SGT-RLY-EH1B14	R572D	1	None	5	*	
SGT-RLY-EH1B15	R572D	1	None	5	*	
SGT-RLY-EH1B16	R572D	1	None	5	*	
SGT-RLY-EH1B17	R572D	1	None	5	*	
SGT-RLY-EH1B21	R572H	1	None	5	*	
SGT-RLY-EH1B22	R572H	1	None	5	*	
SGT-RLY-EH1B23	R572H	1	None	5	*	
SGT-RLY-EH1B24	R572H	1	None	5	*	
SGT-RLY-EH1B25	R572H	1	None	5	*	
SGT-RLY-EH1B26	R572H	1	None	5	*	
SGT-RMS-EH1A15	R572D	2	None	5	*	
SGT-RMS-EH1A16	R572D	2	None	5	*	
SGT-RMS-EH1A1T1	R572D	2	None	5	*	
SGT-RMS-EH1A1T2	R572D	2	None	5	*	
SGT-RMS-EH1A1T3	R572D	2	None	5	*	
SGT-RMS-EH1A25	R572H	2	None	5	*	
SGT-RMS-EH1A26	R572H	2	None	5	*	
SGT-RMS-EH1A2T1	R572H	2	None	5	*	
SGT-RMS-EH1A2T2	R572H	2	None	5	*	
SGT-RMS-EH1A2T3	R572H	2	None	5	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
SGT-RMS-EH1B15	R572D	2	None	5	*	
SGT-RMS-EH1B16	R572D	2	None	5	*	
SGT-RMS-EH1B1T1	R572D	2	None	5	*	
SGT-RMS-EH1B1T2	R572D	2	None	5	*	
SGT-RMS-EH1B1T3	R572D	2	None	5	*	
SGT-RMS-EH1B25	R572H	2	None	5	*	
SGT-RMS-EH1B26	R572H	2	None	5	*	
SGT-RMS-EH1B2T1	R572H	2	None	5	*	
SGT-RMS-EH1B2T2	R572H	2	None	5	*	
SGT-RMS-EH1B2T3	R572H	2	None	5	*	
SGT-SPV-2A	R572N	1	M	5	*	
SGT-SPV-F1	R572N	2	M	5	*	
SGT-SPV-F2	R572N	2	M	5	*	
SGT-SPV-F3	R572N	2	M	5	*	
SGT-XE-1RH/1A1	R572D	1	None	5	*	
SGT-XE-1RH/1A2	R572D	1	None	5	*	
SGT-XE-1RH/1B1	R572D	1	None	5	*	
SGT-XE-1RH/1B2	R572D	1	None	5	*	
SGT-XE-1RHS/1A1	R572D	1	None	5	*	
SGT-XE-1RHS/1A2	R572D	1	None	5	*	
SGT-XE-1RHS/1B1	R572D	1	None	5	*	
SGT-XE-1RHS/1B2	R572D	1	None	5	*	
SGT-XE-2RH/1A1	R572D	1	None	5	*	
SGT-XE-2RH/1A2	R572H	1	None	5	*	
SGT-XE-2RH/1B1	R572D	1	None	5	*	
SGT-XE-2RH/1B2	R572H	1	None	5	*	
SGT-XE-2RHS/1A1	R572D	1	None	5	*	
SGT-XE-2RHS/1A2	R572H	1	None	5	*	
SGT-XE-2RHS/1B1	R572D	1	None	5	*	
SGT-XE-2RHS/1B2	R572H	1	None	5	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
SGT-XE-3RH/1A1	R572D	1	None	5	*	
SGT-XE-3RH/1A2	R572H	1	None	5	*	
SGT-XE-3RH/1B1	R572D	1	None	5	*	
SGT-XE-3RH/1B2	R572H	1	None	5	*	
SGT-XE-3RHS/1A1	R572D	1	None	5	*	
SGT-XE-3RHS/1A2	R572H	1	None	5	*	
SGT-XE-3RHS/1B1	R572D	1	None	5	*	
SGT-XE-3RHS/1B2	R572H	1	None	5	*	

APPENDIX A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
SLC-42-HA	R522D	2	None	3	*	
SLC-42-HB	R522D	2	None	3	*	
SLC-42-P/1A	R522N	1	None	3	*	
SLC-42-P/1B	R522D	1	None	3	*	
SLC-42-V/1A	R522N	1	None	3	*	
SLC-42-V/1B	R522D	1	None	3	*	
SLC-V-4A	R548C	2	M	3	M*	
SLC-V-4B	R548C	2	M	3	M*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
SW-42-V/187A	R522N	1	None	3	*	
SW-42-V/187B	R522D	1	None	3	*	
SW-42-V/188A	R572D	1	None	3	*	
SW-42-V/188B	R572H	1	None	3	*	
SW-42-V/24A	R522N	1	None	3	*	
SW-42-V/24B	R522D	1	None	3	*	
SW-42-V/24C	R522D	1	None	3	*	
SW-42-V/44	R522N	1	None	3	*	
SW-42-V/75A	R522N	1	None	3	*	
SW-42-V/75B	R522D	1	None	3	*	
SW-MO-24A	R441G	1	None	3	*	
SW-MO-24B	R441F	1	None	3	*	
SW-MO-24C	R441J	1	C	3	C*	
SW-MO-44	R441B	1	None	3	*	
SW-MO-54	R441C	1	None	3	*	
SW-RLY-V/44	R522N	1	None	3	*	

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION

PRIOR TO FULL POWER OPERATION

ACCIDENT LEGEND:

A = HELB - RCIC	G = HELB - RWCU	M = HELB - AS
B = HELB - RCIC	H = HELB - RWCU	N = HELB - MS
C = HELB - RCIC	I = HELB - RWCU	O = HELB - RFW
D = HELB - AS	J = HELB - RWCU	P = LOCA - RRC
E = HELB - RCIC	K = HELB - RWCU	Q = LOCA - MSL
F = HELB - RWCU	L = HELB - RWCU	R = LOCA - SMALL

*: This component should be qualified to the conditions inside the reactor building due to LOCA breaks inside the primary containment.

1: P, Q, R	2: N, O, P, Q, R	3: A through R
4: F through L	5: A, B, C, E through L, N, O	
6: A, B, C, E, P, Q, R		
7: N, P, Q, R	8: O, P, Q, R	9: A, B, C, E
10: N	11: N, O	

NOTE (1) For definition of table headings, see Table E.

NOTE (2) This item is necessary for a passive integrity function only. Environmental qualification for operability is not required.

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CAC-CNTR-1A	R572F	1	M	1	*	Corrective action under evaluation
CAC-E/S-1A24	R572F	1	M	1	*	Qualified
CAC-E/S-1A43	R572F	1	M	1	*	" " "
CAC-EHO-FCV/1A	R572B	1	M	1	*	Retest (program underway)
CAC-EHO-FCV/2A	R548K	1	LM	1	*	" " " "
CAC-EHO-FCV/3A	R471B	1	D	1	*	" " " "
CAC-EHO-FCV/4A	R471E	1	None	1	*	" " " "
CAC-EHO-FCV/5A	R572F	1	M	1	*	" " " "
CAC-EHO-FCV/6A	R572F	1	M	1	*	" " " "
CAC-EHO-TCV/4A	R572F	1	M	1	*	" " " "
CAC-EHO-V/1A	R572F	1	M	1	*	" " " "
CAC-EHO-V/2A	R572F	1	M	1	*	" " " "
CAC-EHO-V/3A	R572F	1	M	1	*	" " " "
CAC-FT-5A	R572F	2	M	1	*	NOTE (2)
CAC-POS-FCV/1A	R572B	1	M	1	*	Retest (program underway)
CAC-POS-FCV/2A	R548K	1	LM	1	*	" " " "
CAC-POS-FCV/3A	R471B	1	D	1	*	" " " "
CAC-POS-FCV/4A	R471E	1	None	1	*	" " " "
CAC-POS-FCV/5A	R572F	1	M	1	*	" " " "
CAC-POS-FCV/6A	R572F	1	M	1	*	" " " "
CAC-POS-TCV/4A	R572F	1	M	1	*	" " " "
CAC-POS-V/1A	R572F	1	M	1	*	" " " "
CAC-POS-V/2A	R572F	1	M	1	*	" " " "
CAC-POS-V/3A	R572F	1	M	1	*	" " " "
CAC-RLY-4A/CR1	R471D	1	D	1	*	Retest
CAC-RLY-4A/CR2	R471D	1	D	1	*	Retest
CAC-RLY-80FCV1A	R471D	1	D	1	*	New item evaluation underway
CAC-RLY-80FCV2A	R471D	1	D	1	*	Retest
CAC-RLY-80FCV3A	R471D	1	D	1	*	New item evaluation underway
CAC-RLY-80FCV4A	R471D	1	D	1	*	Retest

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CAC-RLY-CR3A	R572F	1	M	1	*	Retest
CAC-RLY-CR4AV14	R572F	1	M	1	*	New items evaluation underway
CAC-RLY-CR5A	R572F	1	M	1	*	" " " "
CAC-RLY-CR6A	R572F	1	M	1	*	" " " "
CAC-RLY-MR1A	R572F	1	M	1	*	" " " "
CAC-RLY-MR2A	R572F	1	M	1	*	" " " "
CAC-RLY-TDE2A	R572F	1	M	1	*	" " " "
CAC-TE-1A	R572F	1	M	1	*	Qualified
CAC-TE-2A	R572F	1	M	1	*	" " "
CAC-TE-3A	R572F	1	M	1	*	" " "
CAC-TE-4A	R572F	1	M	1	*	" " "
CAC-TE-5A	R572F	1	M	1	*	" " "
CAC-TE-6A	R572F	1	M	1	*	" " "
CAC-TT-4A	R572F	1	M	1	*	Replace

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
CAS-RLY-V453C	R471D	1	D	1	*	To be relocated
CAS-RLY-V453O	R471D	1	D	1	*	" " "
CAS-V-453	R471D	2	D	1	*	Retest

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CIA-MO-30A	R522P	1	D	3	D*	Qualified
CIA-MO-30B	R522H	1	D	3	D*	" " "
CIA-PROG-1A	R548G	1	LM	3	LM*	Retest
CIA-PROG-1B	R548P	1	JM	3	JM*	" "
CIA-PS-21A	R548G	1	LM	3	LM*	Qualified
CIA-PS-21B	R548P	1	JM	3	JM*	" " "
CIA-PS-22A	R548G	2	LM	3	LM*	NOTE (2)
CIA-PS-22B	R548P	2	JM	3	JM*	NOTE (2)
CIA-PS-39A	R522K	2	D	3	D*	NOTE (2)
CIA-PS-39B	R522K	2	D	3	D*	NOTE (2)
CIA-PT-21A	R548G	1	LM	3	LM*	Qualified
CIA-PT-21B	R548P	1	JM	3	JM*	" " "
CIA-RLY-21A	R548G	1	LM	3	LM*	Evaluation underway
CIA-RLY-21B	R548P	1	JM	3	JM*	" " " "
CIA-SPV-1A	R441D	1	None	3	*	Retest
CIA-SPV-1B	R441D	1	None	3	*	" "
CIA-SPV-10A	R441D	1	None	3	*	" "
CIA-SPV-10B	R441D	1	None	3	*	" "
CIA-SPV-11A	R441D	1	None	3	*	" "
CIA-SPV-11B	R441D	1	None	3	*	" "
CIA-SPV-12A	R441D	1	None	3	*	" "
CIA-SPV-12B	R441D	1	None	3	*	" "
CIA-SPV-13A	R441D	1	None	3	*	" "
CIA-SPV-13B	R441D	1	None	3	*	" "
CIA-SPV-14A	R441D	1	None	3	*	" "
CIA-SPV-14B	R441D	1	None	3	*	" "
CIA-SPV-15A	R441D	1	None	3	*	" "
CIA-SPV-15B	R441D	1	None	3	*	" "
CIA-SPV-16B	R441D	1	None	3	*	" "
CIA-SPV-17B	R441D	1	None	3	*	" "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CIA-SPV-18B	R441D	1	None	3	*	Retest
CIA-SPV-19B	R441D	1	None	3	*	" "
CIA-SPV-2A	R441D	1	None	3	*	" "
CIA-SPV-2B	R441D	1	None	3	*	" "
CIA-SPV-3A	R441D	1	None	3	*	" "
CIA-SPV-3B	R441D	1	None	3	*	" "
CIA-SPV-4A	R441D	1	None	3	*	" "
CIA-SPV-4B	R441D	1	None	3	*	" "
CIA-SPV-5A	R441D	1	None	3	*	" "
CIA-SPV-5B	R441D	1	None	3	*	" "
CIA-SPV-6A	R441D	1	None	3	*	" "
CIA-SPV-6B	R441D	1	None	3	*	" "
CIA-SPV-7A	R441D	1	None	3	*	" "
CIA-SPV-7B	R441D	1	None	3	*	" "
CIA-SPV-8A	R441D	1	None	3	*	" "
CIA-SPV-8B	R441D	1	None	3	*	" "
CIA-SPV-9A	R441D	1	None	3	*	" "
CIA-SPV-9B	R441D	1	None	3	*	" "
CIA-TDS-1A	R548G	1	LM	3	LM*	New item evaluation underway
CIA-TDS-1B	R548P	1	JM	3	JM*	" " " " "
CIA-V-39A	R522B	1	DI	3	DI*	Retest
CIA-V-39B	R522H	1	DI	3	DI*	" "
CIA-V-106	R471D	1	D	1	*	New item evaluation underway

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CMS-AY-1	R548E	1	None	1	*	Qualified
CMS-AY-2	R548F	1	None	1	*	" " "
CMS-LT-1	R441J	1	C	3	C*	Evaluation underway
CMS-LT-2R	R441F	2	None	3	*	NOTE (2)
CMS-M-P/A	R548F	1	None	1	*	Awaiting manufacturer test data
CMS-M-P/B	R548F	1	None	1	*	" " " "
CMS-ME-1	R522H	1	D	1	*	New item evaluation underway
CMS-ME-2	R522H	1	D	1	*	" " "
CMS-ME-3	R522H	1	D	1	*	" " "
CMS-ME-4	R522H	1	D	1	*	" " "
CMS-ME-5	R522P	1	D	1	*	" " "
CMS-MT-1	R548H	1	L	1	*	" " "
CMS-MT-2	R548H	1	L	1	*	" " "
CMS-MT-3	R548H	1	L	1	*	" " "
CMS-MT-4	R548H	1	L	1	*	" " "
CMS-MT-5	R548H	1	L	1	*	" " "
CMS-PT-7	R548G	1	LM	1	*	Replace
CMS-PT-8	R548P	1	JM	1	*	" "
CMS-RE-12/1A	R548F	1	None	1	*	Awaiting manufacturer test data
CMS-RE-12/1B	R548F	1	None	1	*	" " " "
CMS-RE-12/3A	R548F	1	None	1	*	" " " "
CMS-RE-12/3B	R548F	1	None	1	*	" " " "
CMS-RE-27A	R522B	1	DI	1	*	" " " "
CMS-RE-27B	R522J	1	D	1	*	" " " "
CMS-RE-27C	R606A	1	None	1	*	" " " "
CMS-RE-27D	R606A	1	None	1	*	" " " "
CMS-TE-1	C517	1	PQR	1	PQR	Evaluation underway
CMS-TE-10	C512	1	PQR	1	PQR	" " "
CMS-TE-11	C520	1	PQR	1	PQR	" " "
CMS-TE-12	C520	1	PQR	1	PQR	" " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CMS-TE-13	C549	1	PQR	1	PQR	Evaluation underway
CMS-TE-14	C544	1	PQR	1	PQR	" " "
CMS-TE-2	C517	1	PQR	1	PQR	" " "
CMS-TE-21	C515	1	PQR	1	PQR	" " "
CMS-TE-22	C515	1	PQR	1	PQR	" " "
CMS-TE-23	C515	1	PQR	1	PQR	" " "
CMS-TE-27	C560	1	PQR	1	PQR	" " "
CMS-TE-28	C560	1	PQR	1	PQR	" " "
CMS-TE-29	C560	1	PQR	1	PQR	" " "
CMS-TE-3	C517	1	PQR	1	PQR	" " "
CMS-TE-30	C560	1	PQR	1	PQR	" " "
CMS-TE-31	C560	1	PQR	1	PQR	" " "
CMS-TE-4	C517	1	PQR	1	PQR	" " "
CMS-TE-41	C451	1	PQR	1	PQR	" " "
CMS-TE-42	C492	1	PQR	1	PQR	" " "
CMS-TE-43	C451	1	PQR	1	PQR	" " "
CMS-TE-44	C492	1	PQR	1	PQR	" " "
CMS-TE-5	C504	1	PQR	1	PQR	" " "
CMS-TE-6	C504	1	PQR	1	PQR	" " "
CMS-TE-7	C504	1	PQR	1	PQR	" " "
CMS-TE-8	C560	1	PQR	1	PQR	" " "
CMS-TE-9	C547	1	PQR	1	PQR	" " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CRA-M-FN/3A	C548	1	PQR	1	PQR	Evaluation underway
CRA-M-FN/4A	C572	1	PQR	1	PQR	" " "
CRA-M-FN/5A	C564	1	PQR	1	PQR	" " "
CRA-M-FN/5C	C564	1	PQR	1	PQR	" " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CRD-LS-129/xxxx	R522J	1	D	3	D*	Qualified
CRD-LS-129/xxxx	R522B	1	DI	3	DI*	" " "
CRD-LS-13A	R522K	1	D	3	D*	" " "
CRD-LS-13B	R522K	1	D	3	D*	" " "
CRD-LS-13C	R522P	1	D	3	D*	" " "
CRD-LS-13D	R522P	1	D	3	D*	" " "
CRD-LS-13E	R522P	1	D	3	D*	" " "
CRD-LS-13F	R522P	1	D	3	D*	" " "
CRD-POS-126xxxx	R522J	1	D	3	D*	" " "
CRD-POS-126xxxx	R522B	1	DI	3	DI*	" " "
CRD-POS-127xxxx	R522J	1	D	3	D*	" " "
CRD-POS-127xxxx	R522B	1	DI	3	DI*	" " "
CRD-PS-130/xxxx	R522J	1	D	3	D*	" " "
CRD-PS-130/xxxx	R522B	1	DI	3	DI*	" " "
CRD-PT-52	R522C	2	DI	3	DI*	NOTE (2)
CRD-SPV-110A	R522C	2	DI	3	DI*	NOTE (2) Qualified
CRD-SPV-110B	R522C	2	DI	3	DI*	NOTE (2) Qualified
CRD-SPV-117xxxx	R522J	1	D	3	D*	Qualified
CRD-SPV-117xxxx	R522B	1	DI	3	DI*	" " "
CRD-SPV-118xxxx	R522J	1	D	3	D*	" " "
CRD-SPV-118xxxx	R522B	1	DI	3	DI*	" " "
CRD-SPV-9	R522C	2	DI	3	DI*	New item evaluation underway
CRD-SV-120/xxxx	R522J	2	D	3	D*	Qualified
CRD-SV-120/xxxx	R522B	2	DI	3	DI*	" " "
CRD-SV-121/xxxx	R522J	2	D	3	D*	" " "
CRD-SV-121/xxxx	R522B	2	DI	3	DI*	" " "
CRD-SV-122/xxxx	R522J	2	D	3	D*	" " "
CRD-SV-122/xxxx	R522B	2	DI	3	DI*	" " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CRD-SV-123/xxxx	R522J	2	D	3	D*	Qualified
CRD-SV-123/xxxx	R522B	2	DI	3	DI*	" " "

NOTE:

CRD items with the X's in their EPN's are typical of 92 items in zone 522J and 93 items in zone 522B.

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
EDR-POS-V19	R441C	1	None	1	*	Replace
EDR-POS-V20	R441C	1	None	1	*	" " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
FDR-POS-3	R441C	2	None	1	*	Replace
FDR-POS-4	R441C	2	None	1	*	" " "
FDR-LS-41	R422J	1	None	3	*	New item--evaluation underway
FDR-LS-46	R422D	1	None	3	*	" " " " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
HPCS-DPIS-9	R471B	1	D	3	D*	Qualified
HPCS-FIS-6	R471B	1	D	3	D*	" " "
HPCS-FT-5	R471B	1	D	3	D*	Replace
HPCS-LS-2A	R441J	1	C	3	C*	Qualified
HPCS-LS-2B	R441F	1	None	3	*	" " "
HPCS-M-P/1	R422D	1	None	3	*	" " "
HPCS-POS-V/5	C549	1	PQR	3	PQR	Replace
HPCS-POT-10	R441C	1	None	3	*	New item evaluation underway
HPCS-POT-8	R441C	1	None	3	*	" " " " "
HPCS-PS-3	R471B	2	D	3	D*	NOTE (2) Qualified
HPCS-PT-4	R471B	1	D	3	D*	Replace

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
HY-POS-V/17A	R522J	1	D	1	*	New item evaluation underway
HY-POS-V/17B	R522J	1	D	1	*	" " " " "
HY-POS-V/18A	R522J	1	D	1	*	" " " " "
HY-POS-V/18B	R522J	1	D	1	*	" " " " "
HY-POS-V/19A	R522J	1	D	1	*	" " " " "
HY-POS-V/19B	R522J	1	D	1	*	" " " " "
HY-POS-V/20A	R522J	1	D	1	*	" " " " "
HY-POS-V/20B	R522J	1	D	1	*	" " " " "
HY-POS-V/33A	R522C	1	DI	1	*	" " " " "
HY-POS-V/33B	R522C	1	DI	1	*	" " " " "
HY-POS-V/34A	R522C	1	DI	1	*	" " " " "
HY-POS-V/34B	R522C	1	DI	1	*	" " " " "
HY-POS-V/35A	R522C	1	DI	1	*	" " " " "
HY-POS-V/35B	R522C	1	DI	1	*	" " " " "
HY-POS-V/36A	R522C	1	DI	1	*	" " " " "
HY-POS-V/36B	R522C	1	DI	1	*	" " " " "
HY-V-17A	R522J	1	D	1	*	" " " " "
HY-V-17B	R522J	1	D	1	*	" " " " "
HY-V-18A	R522J	1	D	1	*	" " " " "
HY-V-18B	R522J	1	D	1	*	" " " " "
HY-V-19A	R522J	1	D	1	*	" " " " "
HY-V-19B	R522J	1	D	1	*	" " " " "
HY-V-20A	R522J	1	D	1	*	" " " " "
HY-V-20B	R522J	1	D	1	*	" " " " "
HY-V-33A	R522C	1	DI	1	*	" " " " "
HY-V-33B	R522C	1	DI	1	*	" " " " "
HY-V-34A	R522C	1	DI	1	*	" " " " "
HY-V-34B	R522C	1	DI	1	*	" " " " "
HY-V-35A	R522C	1	DI	1	*	" " " " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
HY-V-35B	R522C	10	DI	1	*	New item evaluation underway
HY-V-36A	R522C	10	DI	1	*	" " " " "
HY-V-36B	R522C	10	DI	1	*	" " " " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
LD-TE-1A	R522F	1	HI	4	HI*	Evaluation underway
LD-TE-1B	R522F	1	HI	4	HI*	" " " "
LD-TE-1C	R522F	1	HI	4	HI*	" " " "
LD-TE-1D	R522F	1	HI	4	HI*	" " " "
LD-TE-1E	R548B	1	J	4	J*	" " " "
LD-TE-1F	R548B	1	J	4	J*	" " " "
LD-TE-24A	R441I	1	AB	9	AB*	" " " "
LD-TE-24B	R422L	1	AB	9	AB*	" " " "
LD-TE-25A	R422L	1	AB	9	AB*	" " " "
LD-TE-25B	R422L	1	AB	9	AB*	" " " "
LD-TE-26A	R441I	1	AB	9	AB*	" " " "
LD-TE-26B	R441I	1	AB	9	AB*	" " " "
LD-TE-28A	R441F	1	None	5	*	" " " "
LD-TE-28B	R441G	1	None	5	*	" " " "
LD-TE-28C	R441F	1	None	5	*	" " " "
LD-TE-28D	R441G	1	None	5	*	" " " "
LD-TE-29A	R501O	1	NO	11	NO*	" " " "
LD-TE-29B	R501O	1	NO	11	NO*	" " " "
LD-TE-29C	R501O	1	NO	11	NO*	" " " "
LD-TE-29D	R501O	1	NO	11	NO*	" " " "
LD-TE-2A	R522F	1	HI	4	HI*	" " " "
LD-TE-2B	R522F	1	HI	4	HI*	" " " "
LD-TE-2C	R522F	1	HI	4	HI*	" " " "
LD-TE-2D	R522F	1	HI	4	HI*	" " " "
LD-TE-2E	R548B	1	J	4	J*	" " " "
LD-TE-2F	R548B	1	J	4	J*	" " " "
LD-TE-30A	R522O	1	G	11	*	" " " "
LD-TE-30B	R522O	1	G	11	*	" " " "
LD-TE-30C	R522O	1	G	11	*	" " " "
LD-TE-30D	R522O	1	G	11	*	" " " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
LD-TE-31A	R501O	1	NO	11	NO*	Evaluation underway
LD-TE-31B	R501O	1	NO	11	NO*	" " " "
LD-TE-31C	R501O	1	NO	11	NO*	" " " "
LD-TE-31D	R501O	1	NO	11	NO*	" " " "
LD-TE-3A	R522F	1	HI	4	HI*	" " " "
LD-TE-3B	R522F	1	HI	4	HI*	" " " "
LD-TE-3C	R522F	1	HI	4	HI*	" " " "
LD-TE-3D	R522F	1	HI	4	HI*	" " " "
LD-TE-3E	R548B	1	J	4	J*	" " " "
LD-TE-3F	R548B	1	J	4	J*	" " " "
LD-TE-4A	R441I	1	AB	9	AB*	" " " "
LD-TE-4B	R441I	1	AB	9	AB*	" " " "
LD-TE-5A	R422L	1	AB	9	AB*	" " " "
LD-TE-5B	R422L	1	AB	9	AB*	" " " "
LD-TE-6A	R441I	1	AB	9	AB*	" " " "
LD-TE-6B	R441I	1	AB	9	AB*	" " " "

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
MS-DPIS-10A	R501K	1	D	7	*	Qualified
MS-DPIS-10B	R471D	1	D	7	*	" " "
MS-DPIS-10C	R471B	1	D	7	*	" " "
MS-DPT-32	R471D	2	D	1	*	NOTE (2) Qualified
MS-FT-33A	R471B	2	D	1	*	NOTE (2) " " "
MS-FT-33B	R471D	2	D	1	*	NOTE (2) " " "
MS-FT-33C	R471B	2	D	1	*	NOTE (2) " " "
MS-FT-33D	R471D	2	D	1	*	NOTE (2) " " "
MS-FT-34A	R471B	2	D	1	*	NOTE (2) " " "
MS-FT-34B	R471D	2	D	1	*	NOTE (2) " " "
MS-FT-34C	R471B	2	D	1	*	NOTE (2) " " "
MS-FT-34D	R471D	2	D	1	*	NOTE (2) " " "
MS-FT-34E	R471B	2	D	1	*	NOTE (2) " " "
MS-FT-34F	R471D	2	D	1	*	NOTE (2) " " "
MS-FT-34G	R471B	2	D	1	*	NOTE (2) " " "
MS-FT-34H	R471D	2	D	1	*	NOTE (2) " " "
MS-FT-34J	R471B	2	D	1	*	NOTE (2) " " "
MS-FT-34K	R471D	2	D	1	*	NOTE (2) " " "
MS-FT-34L	R471B	2	D	1	*	NOTE (2) " " "
MS-FT-34M	R471D	2	D	1	*	NOTE (2) " " "
MS-FT-34N	R471B	2	D	1	*	NOTE (2) " " "
MS-FT-34P	R471D	2	D	1	*	NOTE (2) " " "
MS-FT-34R	R471B	2	D	1	*	NOTE (2) " " "
MS-FT-34S	R471D	2	D	1	*	NOTE (2) " " "
MS-FT-34T	R471B	2	D	1	*	NOTE (2) " " "
MS-FT-34U	R471D	2	D	1	*	NOTE (2) " " "
MS-FT-34V	R471B	2	D	1	*	NOTE (2) " " "
MS-FT-34W	R471D	2	D	1	*	NOTE (2) " " "
MS-LIS-24A	R522K	1	D	3	D*	Qualified
MS-LIS-24B	R522H	1	D	3	D*	" " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
MS-LIS-24C	R522C	1	DI	3	DI*	Qualified
MS-LIS-24D	R522P	1	D	3	D*	" " "
MS-LIS-31A	R522K	1	D	3	D*	" " "
MS-LIS-31B	R522C	1	DI	3	DI*	" " "
MS-LIS-31C	R522K	1	D	3	D*	" " "
MS-LIS-31D	R522K	1	D	3	D*	" " "
MS-LIS-36A	R522P	1	D	3	D*	" " "
MS-LIS-36B	R522P	1	D	3	D*	" " "
MS-LIS-36C	R522P	1	D	3	D*	" " "
MS-LIS-36D	R522H	1	D	3	D*	" " "
MS-LIS-37A	R522P	1	D	3	D*	" " "
MS-LIS-37B	R522H	1	D	3	D*	" " "
MS-LIS-37C	R522P	1	D	3	D*	" " "
MS-LIS-37D	R522H	1	D	3	D*	" " "
MS-LIS-38A	R522P	1	D	3	D*	" " "
MS-LIS-38B	R522H	1	D	3	D*	" " "
MS-LITS-26A	R522K	1	D	3	D*	Corrective action under evaluation
MS-LITS-26B	R522H	1	D	3	D*	" " " " "
MS-LITS-26C	R522C	1	DI	3	DI*	" " " " "
MS-LITS-26D	R522P	1	D	3	D*	" " " " "
MS-LITS-44A	R471B	1	D	3	D*	" " " " "
MS-LITS-44B	R471D	1	D	3	D*	" " " " "
MS-LT-27	R522H	2	D	1	*	Replace
MS-POE-V/1A	C547	1	PQR	3	PQR	" " "
MS-POE-V/1B	C547	1	PQR	3	PQR	" " "
MS-POE-V/1C	C547	1	PQR	3	PQR	" " "
MS-POE-V/1D	C547	1	PQR	3	PQR	" " "
MS-POE-V/2A	C547	1	PQR	3	PQR	" " "
MS-POE-V/2B	C547	1	PQR	3	PQR	" " "
MS-POE-V/2C	C547	1	PQR	3	PQR	" " "

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
MS-POE-V/2D	C547	1	PQR	3	PQR	Being purchased as qualified
MS-POE-V/3A	C547	1	PQR	3	PQR	" " " " "
MS-POE-V/3B	C547	1	PQR	3	PQR	" " " " "
MS-POE-V/3C	C547	1	PQR	3	PQR	" " " " "
MS-POE-V/3D	C547	1	PQR	3	PQR	" " " " "
MS-POE-V/4A	C547	1	PQR	3	PQR	" " " " "
MS-POE-V/4B	C547	1	PQR	3	PQR	" " " " "
MS-POE-V/4C	C547	1	PQR	3	PQR	" " " " "
MS-POE-V/4D	C547	1	PQR	3	PQR	" " " " "
MS-POE-V/5B	C547	1	PQR	3	PQR	" " " " "
MS-POE-V/5C	C547	1	PQR	3	PQR	" " " " "
MS-POS-V/22A	C513	1	PQR	2	PQR	Replace
MS-POS-V/22B	C513	1	PQR	2	PQR	" " "
MS-POS-V/22C	C513	1	PQR	2	PQR	" " "
MS-POS-V/22D	C513	1	PQR	2	PQR	" " "
MS-POS-V/28A	R5010	1	NO	2	NO*	" " "
MS-POS-V/28B	R5010	1	NO	2	NO*	" " "
MS-POS-V/28C	R5010	1	NO	2	NO*	" " "
MS-POS-V/28D	R5010	1	NO	2	NO*	" " "
MS-POT-V/1A	C	1	PQR	3	PQR	Being purchased as qualified
MS-POT-V/1B	C	1	PQR	3	PQR	" " " " "
MS-POT-V/1C	C	1	PQR	3	PQR	" " " " "
MS-POT-V/1D	C	1	PQR	3	PQR	" " " " "
MS-POT-V/2A	C	1	PQR	3	PQR	" " " " "
MS-POT-V/2B	C	1	PQR	3	PQR	" " " " "
MS-POT-V/2C	C	1	PQR	3	PQR	" " " " "
MS-POT-V/2D	C	1	PQR	3	PQR	" " " " "
MS-POT-V/3A	C	1	PQR	3	PQR	" " " " "
MS-POT-V/3B	C	1	PQR	3	PQR	" " " " "
MS-POT-V/3C	C	1	PQR	3	PQR	" " " " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
MS-POT-V/3D	C	1	PQR	3	PQR	Being purchased as qualified
MS-POT-V/4A	C	1	PQR	3	PQR	" " " " "
MS-POT-V/4B	C	1	PQR	3	PQR	" " " " "
MS-POT-V/4C	C	1	PQR	3	PQR	" " " " "
MS-POT-V/4D	C	1	PQR	3	PQR	" " " " "
MS-POT-V/5B	C	1	PQR	3	PQR	" " " " "
MS-POT-V/5C	C	1	PQR	3	PQR	" " " " "
MS-PS-23D	R522P	1	D	3	D*	Qualified
MS-PS-45A	R522P	1	D	3	D*	" " "
MS-PS-45B	R522P	1	D	3	D*	" " "
MS-PS-45C	R522H	1	D	3	D*	" " "
MS-PS-45D	R522H	1	D	3	D*	" " "
MS-PS-47A	R522K	1	D	3	D*	" " "
MS-PS-47B	R522C	1	DI	3	DI*	" " "
MS-PS-47C	R522K	1	D	3	D*	" " "
MS-PS-47D	R522C	1	DI	3	DI*	" " "
MS-PS-48A	R522P	1	D	3	D*	" " "
MS-PS-48B	R522H	1	D	3	D*	" " "
MS-PS-48C	R522P	1	D	3	D*	" " "
MS-PS-48D	R522H	1	D	3	D*	" " "
MS-PT-51A	R522P	1	D	3	D*	Replace
MS-PT-51B	R522H	1	D	3	D*	" " "
MS-RE-3A	R501O	1	NO	10	N*	Corrective action under evaluation
MS-RE-3B	R501O	1	NO	10	N*	" " " " " "
MS-RE-3C	R501O	1	NO	10	N*	" " " " " "
MS-RE-3D	R501O	1	NO	10	N*	" " " " " "
MS-SPV-22A2	C513	1	PQR	2	PQR	Replace
MS-SPV-22A3	C513	1	PQR	2	PQR	" " "
MS-SPV-22B2	C513	1	PQR	2	PQR	" " "
MS-SPV-22B3	C513	1	PQR	2	PQR	" " "

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
MS-SPV-22C2	C513	1	PQR	2	PQR	Replace
MS-SPV-22C3	C513	1	PQR	2	PQR	" " "
MS-SPV-22D2	C513	1	PQR	2	PQR	" " "
MS-SPV-22D3	C513	1	PQR	2	PQR	" " "
MS-SPV-28A2	R501O	1	NO	2	NO*	" " "
MS-SPV-28A3	R501O	1	NO	2	NO*	" " "
MS-SPV-28B2	R501O	1	NO	2	NO*	" " "
MS-SPV-28B3	R501O	1	NO	2	NO*	" " "
MS-SPV-28C2	R501O	1	NO	2	NO*	" " "
MS-SPV-28C3	R501O	1	NO	2	NO*	" " "
MS-SPV-28D2	R501O	1	NO	2	NO*	" " "
MS-SPV-28D3	R501O	1	NO	2	NO*	" " "
MS-SPV-3DA	C547	1	PQR	3	PQR	New items evaluation underway
MS-SPV-3DB	C547	1	PQR	3	PQR	" " " " "
MS-SPV-4AA	C547	1	PQR	3	PQR	" " " " "
MS-SPV-4AB	C547	1	PQR	3	PQR	" " " " "
MS-SPV-4BA	C547	1	PQR	3	PQR	" " " " "
MS-SPV-4BB	C547	1	PQR	3	PQR	" " " " "
MS-SPV-4CA	C547	1	PQR	3	PQR	" " " " "
MS-SPV-4CB	C547	1	PQR	3	PQR	" " " " "
MS-SPV-4DA	C547	1	PQR	3	PQR	" " " " "
MS-SPV-4DB	C547	1	PQR	3	PQR	" " " " "
MS-SPV-5BA	C547	1	PQR	3	PQR	" " " " "
MS-SPV-5BB	C547	1	PQR	3	PQR	" " " " "
MS-SPV-5CA	C547	1	PQR	3	PQR	" " " " "
MS-SPV-5CB	C547	1	PQR	3	PQR	" " " " "
MS-TE-4A	C	1	PQR	3	PQR	Evaluation currently underway
MS-TE-4B	C	1	PQR	3	PQR	" " " " "
MS-TE-4C	C	1	PQR	3	PQR	" " " " "
MS-TE-4D	C	1	PQR	3	PQR	" " " " "

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
MS-TE-4E	C	1	PQR	3	PQR	Evaluation currently underway
MS-TE-4F	C	1	PQR	3	PQR	" " " " "
MS-TE-4G	C	1	PQR	3	PQR	" " " " "
MS-TE-4H	C	1	PQR	3	PQR	" " " " "
MS-TE-4J	C	1	PQR	3	PQR	" " " " "
MS-TE-4K	C	1	PQR	3	PQR	" " " " "
MS-TE-4L	C	1	PQR	3	PQR	" " " " "
MS-TE-4M	C	1	PQR	3	PQR	" " " " "
MS-TE-4N	C	1	PQR	3	PQR	" " " " "
MS-TE-4P	C	1	PQR	3	PQR	" " " " "
MS-TE-4R	C	1	PQR	3	PQR	" " " " "
MS-TE-4S	C	1	PQR	3	PQR	" " " " "
MS-TE-4U	C	1	PQR	3	PQR	" " " " "
MS-TE-4V	C	1	PQR	3	PQR	" " " " "

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
MSLC-M-FN/2	R501K	1	D	3	D*	Qualified
MSLC-PT-10A	R522P	1	D	3	D*	Replace
MSLC-PT-10B	R522P	1	D	3	D*	" " "
MSLC-PT-10C	R522P	1	D	3	D*	" " "
MSLC-PT-10D	R522P	1	D	3	D*	" " "
MSLC-PT-11	R522K	1	D	3	D*	" " "
MSLC-PT-12A	R522P	1	D	3	D*	" " "
MSLC-PT-12B	R522P	1	D	3	D*	" " "
MSLC-PT-12C	R522P	1	D	3	D*	" " "
MSLC-PT-12D	R522P	1	D	3	D*	" " "
MSLC-PT-13	R522K	1	D	3	D*	" " "
MSLC-RLY-CR/1	R522K	1	D	3	D*	Retest
MSLC-RLY-CR/3	R522K	1	D	3	D*	" " "
MSLC-RLY-CR/4	R522K	1	D	3	D*	" " "
MSLC-RLY-CR/5	R522K	1	D	3	D*	" " "
MSLC-TD-TK/2	R522K	1	D	3	D*	New item evaluation underway

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
RCC-MO-104	R510S	1	EF	1	*	Being purchased as qualified

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RCIC-DPIS-13A	R471D	1	D	9	*	Qualified
RCIC-DPIS-13B	R471A	1	D	9	*	" " "
RCIC-DPIS-7A	R471D	1	D	9	*	" " "
RCIC-DPIS-7B	R471A	1	D	9	*	" " "
RCIC-FT-3	R471D	1	D	9	*	New item--evaluation underway
RCIC-MO-V/19	R441I	1	AB	6	AB*	" " " " "
RCIC-MO-V/69	R441I	1	AB	6	AB*	Qualified
RCIC-MO-V/76	C556	2	PQR	6	PQR	Being evaluated
RCIC-MO-V/80	R471I	1	None	6	*	Qualified
RCIC-MO-V/86	R471I	1	None	6	*	" " "
RCIC-POS-V/65	R548H	1	L	6	*	Being purchased as qualified
RCIC-POS-V/66	C606	1	PQR	3	PQR	New item evaluation underway
RCIC-PS-22A	R471D	1	D	9	*	Qualified
RCIC-PS-22B	R471A	1	D	9	*	" " "
RCIC-PS-22C	R471D	1	D	9	*	" " "
RCIC-PS-22D	R471A	1	D	9	*	" " "
RCIC-SPV-19B	R548H	2	L	6	*	New item evaluation underway
RCIC-SPV-65	R548G	2	LM	6	*	Qualified
RCIC-SPV-66	R522K	2	D	6	*	" " "

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
REA-DPT-1A1	R572N	1	M	3	M*	Qualified
REA-DPT-1A2	R572C	1	M	3	M*	" " "
REA-DPT-1A3	R572C	1	M	3	M*	" " "
REA-DPT-1A4	R572L	1	None	3	*	" " "
REA-DPT-1B1	R572N	1	M	3	M*	" " "
REA-DPT-1B2	R572C	1	M	3	M*	" " "
REA-DPT-1B3	R572F	1	M	3	M*	" " "
REA-DPT-1B4	R572I	1	None	3	*	" " "
REA-RE-19	R606A	1	M	3	M*	Evaluation underway
REA-RE-9A	R572C	1	M	3	M*	" " " "
REA-RE-9B	R572C	1	M	3	M*	" " " "
REA-RE-9C	R572C	1	M	3	M*	" " " "
REA-RE-9D	R572C	1	M	3	M*	" " " "
REA-SPV-1	R522K	1	M	1	*	Qualified
REA-SPV-2	R548P	1	M	1	*	" " "

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
RFW-MO-65A	R5010	1	NO	8	O*	Qualified
RFW-MO-65B	R5010	1	NO	8	O*	" " "
RFW-POS-V/10A	C512	1	PQR	8	PQR	Replace
RFW-POS-V/10B	C512	1	PQR	8	PQR	" " "
RFW-POS-V/32A	R5010	1	NO	8	O*	" " "
RFW-POS-V/32B	R5010	1	NO	8	O*	" " "

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RHR-CE-1A	R522K	2	D	3	D*	NOTE (2) Qualified
RHR-DPIS-12A	R501B	1	D	3	D*	Qualified
RHR-DPIS-12B	R501K	1	D	3	D*	" " "
RHR-DPIS-29A	R501B	2	D	3	D*	NOTE (2) Qualified
RHR-DPIS-9A	R522O	1	G	3	G*	Qualified
RHR-FIS-10A	R501B	1	D	3	D*	" " "
RHR-FT-7A	R501B	1	D	3	D*	Evaluation underway
RHR-LS-11A	R471F	2	None	3	*	Qualified
RHR-LS-11B	R471F	2	None	3	*	" " "
RHR-LS-11C	R471F	2	None	3	*	" " "
RHR-LS-11D	R471F	2	None	3	*	" " "
RHR-LT-8A	R548N	2	None	3	*	To be qualified by analysis
RHR-M-P/2A	R422J	1	None	3	*	Qualified
RHR-MO-9	C501	1	PQR	3	PQR	New item evaluation underway
RHR-MO-26A	R471F	1	None	3	*	" " " " "
RHR-PIS-22A	R501B	2	D	1	*	NOTE (2) Qualified
RHR-POS-V/41A	C563	1	PQR	1	PQR	Being purchased as qualified
RHR-POS-V/41B	C563	1	PQR	1	PQR	" " " " "
RHR-POS-V/41C	C563	1	PQR	1	PQR	" " " " "
RHR-POS-V/50A	C512	1	PQR	1	PQR	" " " " "
RHR-POS-V/50B	C508	1	PQR	1	PQR	" " " " "
RHR-POT-608A	R572L	1	None	3	*	Evaluation underway
RHR-POT-609A	R572L	1	None	3	*	" " " "
RHR-PS-16A	R501B	1	D	3	D*	Qualified
RHR-PS-18	R501I	2	None	3	*	To be qualified by analysis
RHR-TE-27A	R548K	1	LM	3	LM*	" " " " "
RHR-TE-4A	R572L	1	None	3	*	" " " " "
RHR-TE-5A	R548N	2	None	3	*	NOTE (2)To be qualified by analysis
RHR-V-60A	R548J	2	None	3	*	To be tested
RHR-V-75A	R548N	2	None	3	*	" " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
ROA-M-AD/19	R548K	1	LM	1	*	Being purchased as qualified
ROA-POS-AD/11	R522K	1	D	1	*	" " " " "
ROA-POS-AD/15	R548C	1	M	1	*	" " " " "
ROA-POS-AD/17	R548C	1	M	1	*	" " " " "
ROA-POS-AD/19	R548K	1	LM	1	*	" " " " "
ROA-POS-V/1	R572F	1	M	1	*	To be replaced with qualified unit
ROA-POS-V/2	R572F	1	M	1	*	" " " " "
ROA-SPV-100	R572F	1	M	1	*	To be qualified by analysis
ROA-SPV-11	R522K	1	D	1	*	Qualified
ROA-SPV-15	R548C	1	M	1	*	" " "
ROA-SPV-17	R548C	1	M	1	*	" " "
ROA-SPV-200	R572F	1	M	1	*	To be qualified by analysis

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
RRA-RMS-FN/S2	R441G	2	None	3	*	To be qualified by analysis
RRA-RMS-FN/S4	R441C	2	None	3	*	" " " " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RRC-CB-P1A/RPT3	R471D	2	D	1	*	Obtaining data from manufacturer
RRC-CB-P1A/RPT4	R522H	2	D	1	*	" " " " " "
RRC-CB-P1B/RPT3	R471D	2	D	1	*	" " " " " "
RRC-CB-P1B/RPT4	R522H	2	D	1	*	" " " " " "
RRC-MO-16A	R501F	1	D	1	*	Qualified
RRC-MO-16B	R501K	1	D	1	*	" " "
RRC-POS-16A	R501F	1	D	1	*	New items--evaluation underway
RRC-POS-16B	R501K	1	D	1	*	" " " " "
RRC-POS-19	C506	1	PQR	1	PQR	Retest
RRC-POS-20	R501K	1	D	1	*	" "
RRC-PS-18A	R471B	1	D	1	*	Being analyzed
RRC-PS-18B	R471D	1	D	1	*	Qualified
RRC-PS-36A	R548G	2	L,M	1	L,M*	NOTE (2) Being analyzed
RRC-PS-36B	R548G	2	L,M	1	L,M*	NOTE (2) " " "
RRC-V-19	C506	1	PQR	1	PQR	New item evaluation underway
RRC-V-20	R501K	1	D	1	*	" " " " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
RWCU-DPIS-25	R522C	2	DI	1,4	I*	NOTE (2)
RWCU-FT-15	R522C	1	DI	4	I	Replace
RWCU-FT-36	R522C	1	DI	1,4	I*	" " "
RWCU-FT-37	R471D	2	D	1,4	*	NOTE (2)
RWCU-FT-41	R522C	1	DI	1,4	I*	Replace

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
SGT-EHO-FN/1A1	R572N	1	M	5	*	Being tested
SGT-EHO-FN/1A2	R572N	1	M	5	*	" " "
SGT-FS-2A2	R572N	1	M	5	*	New item evaluation underway
SGT-FT-1A1	R572N	1	M	5	*	Qualified
SGT-FT-1A2	R572N	1	M	5	*	" " "
SGT-M-FN/1A1	R572N	1	M	5	*	" " "
SGT-M-FN/1A2	R572N	1	M	5	*	" " "
SGT-MC-H/6A	R572N	1	M	5	*	" " "
SGT-MC-H/7A	R572N	1	M	5	*	" " "
SGT-ME-6A	R572N	1	M	5	*	" " "
SGT-ME-7A	R572N	1	M	5	*	" " "
SGT-TE-6A1	R572N	2	M	5	*	Being qualified by analysis
SGT-TE-7A1	R572N	2	M	5	*	" " " " "
SGT-TE-8A1	R572N	2	M	5	*	" " " " "
SGT-TS-6A1	R572N	2	M	5	*	Corrective action currently underway
SGT-TS-7A1	R572N	2	M	5	*	" " " " "
SGT-TS-8A1	R572N	2	M	5	*	" " " " "
SGT-TS-EH1A10	R572N	1	M	5	*	Qualified
SGT-TS-EH1A11	R572N	1	M	5	*	" " "
SGT-TS-EH1A111	R572N	1	M	5	*	" " "
SGT-TS-EH1A112	R572N	1	M	5	*	" " "
SGT-TS-EH1A113	R572N	1	M	5	*	" " "
SGT-TS-EH1A114	R572N	1	M	5	*	" " "
SGT-TS-EH1A115	R572N	1	M	5	*	" " "
SGT-TS-EH1A116	R572N	1	M	5	*	" " "
SGT-TS-EH1A117	R572N	1	M	5	*	" " "
SGT-TS-EH1A118	R572N	1	M	5	*	" " "
SGT-TS-EH1A12	R572N	1	M	5	*	" " "
SGT-TS-EH1A13	R572N	1	M	5	*	" " "
SGT-TS-EH1A14	R572N	1	M	5	*	" " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
SGT-TS-EH1A15	R572N	1	M	5	*	Qualified
SGT-TS-EH1A16	R572N	1	M	5	*	" " "
SGT-TS-EH1A17	R572N	1	M	5	*	" " "
SGT-TS-EH1A18	R572N	1	M	5	*	" " "
SGT-TS-EH1A19	R572N	1	M	5	*	" " "
SGT-TS-EH1A21	R572N	1	M	5	*	" " "
SGT-TS-EH1A210	R572N	1	M	5	*	" " "
SGT-TS-EH1A211	R572N	1	M	5	*	" " "
SGT-TS-EH1A212	R572N	1	M	5	*	" " "
SGT-TS-EH1A213	R572N	1	M	5	*	" " "
SGT-TS-EH1A214	R572N	1	M	5	*	" " "
SGT-TS-EH1A215	R572N	1	M	5	*	" " "
SGT-TS-EH1A216	R572N	1	M	5	*	" " "
SGT-TS-EH1A217	R572N	1	M	5	*	" " "
SGT-TS-EH1A218	R572N	1	M	5	*	" " "
SGT-TS-EH1A22	R572N	1	M	5	*	" " "
SGT-TS-EH1A23	R572N	1	M	5	*	" " "
SGT-TS-EH1A24	R572N	1	M	5	*	" " "
SGT-TS-EH1A25	R572N	1	M	5	*	" " "
SGT-TS-EH1A26	R572N	1	M	5	*	" " "
SGT-TS-EH1A27	R572N	1	M	5	*	" " "
SGT-TS-EH1A28	R572N	1	M	5	*	" " "
SGT-TS-EH1A29	R572N	1	M	5	*	" " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
SPTM-TE-1A	C466	1	PQR	3	PQR	Test results being evaluated
SPTM-TE-11	C448	1	PQR	3	PQR	" " " " "
SPTM-TE-13	C448	1	PQR	3	PQR	" " " " "
SPTM-TE-15	C448	1	PQR	3	PQR	" " " " "
SPTM-TE-2A	C466	1	PQR	3	PQR	" " " " "
SPTM-TE-3A	C466	1	PQR	3	PQR	" " " " "
SPTM-TE-4A	C466	1	PQR	3	PQR	" " " " "
SPTM-TE-5A	C466	1	PQR	3	PQR	" " " "
SPTM-TE-6A	C466	1	PQR	3	PQR	" " " " "
SPTM-TE-7A	C466	1	PQR	3	PQR	" " " " "
SPTM-TE-8A	C466	1	PQR	3	PQR	" " " " "
SPTM-TE-9	C448	1	PQR	3	PQR	" " " " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
SRM-DET-1A	CRPV	1	PQR	3	PQR	Evaluation underway
SRM-DET-1B	CRPV	1	PQR	3	PQR	" " " "
SRM-DET-1C	CRPV	1	PQR	3	PQR	" " " "
SRM-DET-1D	CRPV	1	PQR	3	PQR	" " " "
SRM-EAMP-1A	R501B	1	D	3	D*	" " " "
SRM-EAMP-1B	R501K	1	D	3	D*	" " " "
SRM-EAMP-1C	R501B	1	D	3	D*	" " " "
SRM-EAMP-1D	R501K	1	D	3	D*	" " " "

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
SW-PS-1014	R548E	1	None	3	*	Qualified
SW-RE-4	R522K	2	D	1	*	NOTE (2)
SW-RE-5	R522H	2	D	1	*	NOTE (2)
SW-V-201	R548C	1	M	3	M*	Qualified
SW-V-204	R548C	1	M	3	M*	To be tested
SW-V-212	R548C	1	M	3	M*	" " "
SW-V-213	R548C	1	M	3	M*	Qualified

TABLE B

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO FULL POWER OPERATION

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
TIP-SV-1	R501P	1	EF	1	*	Evaluation underway
TIP-SV-2	R501P	1	EF	1	*	" " " "
TIP-SV-3	R501P	1	EF	1	*	" " " "
TIP-SV-4	R501P	1	EF	1	*	" " " "
TIP-SV-5	R501P	1	EF	1	*	" " " "
TIP-SV-6	R501Q	1	D	1	*	" " " "
TIP-V-1	R501P	1	EF	1	*	" " " "
TIP-V-2	R501P	1	EF	1	*	" " " "
TIP-V-3	R501P	1	EF	1	*	" " " "
TIP-V-4	R501P	1	EF	1	*	" " " "
TIP-V-5	R501P	1	EF	1	*	" " " "

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION

PRIOR TO END OF FIRST REFUELING OUTAGE

ACCIDENT LEGEND:

A = HELB - RCIC	G = HELB - RWCU	M = HELB - AS
B = HELB - RCIC	H = HELB - RWCU	N = HELB - MS
C = HELB - RCIC	I = HELB - RWCU	O = HELB - RFW
D = HELB - AS	J = HELB - RWCU	P = LOCA - RRC
E = HELB - RCIC	K = HELB - RWCU	Q = LOCA - MSL
F = HELB - RWCU	L = HELB - RWCU	R = LOCA - SMALL

*: This component should be qualified to the conditions inside the reactor building due to LOCA breaks inside the primary containment.

1: P, Q, R	2: N, O, P, Q, R	3: A through R
4: F through L	5: A, B, C, E through L, N, O	
6: A, B, C, E, P, Q, R		

NOTE (1) For definition of table headings, see Table E.

NOTE (2) This item is necessary for a passive integrity function only. Environmental qualification for operability is not required.

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
CAC-CNTR-1B	R572F	1	M	1	*	
CAC-E/S-1B24	R572F	1	M	1	*	
CAC-E/S-1B43	R572F	1	M	1	*	
CAC-EHO-FCV/1B	R548Q	1	K	1	*	
CAC-EHO-FCV/2B	R548H	1	L	1	*	
CAC-EHO-FCV/3B	R480M	1	None	1	*	
CAC-EHO-FCV/4B	R471B	1	D	1	*	
CAC-EHO-FCV/5B	R572F	1	M	1	*	
CAC-EHO-FCV/6B	R572F	1	M	1	*	
CAC-EHO-TCV/4B	R572F	1	M	1	*	
CAC-EHO-V/1B	R572F	1	M	1	*	
CAC-EHO-V/2B	R572F	1	M	1	*	
CAC-EHO-V/3B	R572F	1	M	1	*	
CAC-FT-5B	R572F	2	M	1	*	NOTE (2)
CAC-POS-FCV/1B	R548Q	1	K	1	*	
CAC-POS-FCV/2B	R548H	1	L	1	*	
CAC-POS-FCV/3B	R480M	1	None	1	*	
CAC-POS-FCV/4B	R471B	1	D	1	*	
CAC-POS-FCV/5B	R572F	1	M	1	*	
CAC-POS-FCV/6B	R572F	1	M	1	*	
CAC-POS-TCV/4B	R572F	1	M	1	*	
CAC-POS-V/1B	R572F	1	M	1	*	
CAC-POS-V/2B	R572F	1	M	1	*	
CAC-POS-V/3B	R572F	1	M	1	*	
CAC-RLY-4B/CR1	R471D	1	D	1	*	
CAC-RLY-4B/CR2	R471D	1	D	1	*	
CAC-RLY-80FCV1B	R471D	1	D	1	*	
CAC-RLY-80FCV2B	R471D	1	D	1	*	
CAC-RLY-80FCV3B	R471D	1	D	1	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CAC-RLY-80FCV4B	R471D	1	D	1	*	
CAC-RLY-CR3B	R572F	1	M	1	*	
CAC-RLY-CR4BV14	R572F	1	M	1	*	
CAC-RLY-CR5B	R572F	1	M	1	*	
CAC-RLY-CR6B	R572F	1	M	1	*	
CAC-RLY-MR1B	R572F	1	M	1	*	
CAC-RLY-MR2B	R572F	1	M	1	*	
CAC-RLY-TDE2B	R572F	1	M	1	*	
CAC-TE-1B	R572F	1	M	1	*	
CAC-TE-2B	R572F	1	M	1	*	
CAC-TE-3B	R572F	1	M	1	*	
CAC-TE-4B	R572F	1	M	1	*	
CAC-TE-5B	R572F	1	M	1	*	
CAC-TE-6B	R572F	1	M	1	*	
CAC-TT-4B	R572F	1	M	1	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
CEP-SPV-1A	R548G	2	LM	1	*	
CEP-SPV-1B	R548G	2	LM	1	*	
CEP-SPV-2A	R548P	2	JM	1	*	
CEP-SPV-2B	R548P	2	JM	1	*	
CEP-SPV-3A	R471J	2	D	1	*	
CEP-SPV-3B	R471J	2	D	1	*	
CEP-SPV-4A	R501K	2	D	1	*	
CEP-SPV-4B	R501K	2	D	1	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
CRA-M-FN/3B	C522	1	PQR	1	PQR	
CRA-M-FN/3C	C522	1	PQR	1.	PQR	
CRA-M-FN/4B	C572	1	PQR	1	PQR	
CRA-M-FN/5B	C564	1	PQR	1	PQR	
CRA-M-FN/5D	C564	1	PQR	1	PQR	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CSP-DPIS-V/4	R501K	1	D	1	*	
CSP-DPIS-V/5	R501F	1	D	1	*	
CSP-DPIS-V/6	R501F	1	D	1	*	
CSP-POS-V/10P1	R471B	1	D	1	*	
CSP-POS-V/10P12	R471B	1	D	1	*	
CSP-POS-V/10P13	R471B	1	D	1	*	
CSP-POS-V/10P2	R471B	1	D	1	*	
CSP-POS-V/10P3	R471B	1	D	1	*	
CSP-POS-V/10P4	R471B	1	D	1	*	
CSP-POS-V/10P9	R471B	1	D	1	*	
CSP-POS-V/6	R471J	1	D	1	*	
CSP-POS-V/7P1	R471D	1	D	1	*	
CSP-POS-V/7P12	R471D	1	D	1	*	
CSP-POS-V/7P2	R471D	1	D	1	*	
CSP-POS-V/7P3	R471D	1	D	1	*	
CSP-POS-V/7P4	R471D	1	D	1	*	
CSP-POS-V/7P9	R471D	1	D	1	*	
CSP-POS-V/8P1	R471J	1	D	1	*	
CSP-POS-V/8P12	R471J	1	D	1	*	
CSP-POS-V/8P2	R471J	1	D	1	*	
CSP-POS-V/8P3	R471J	1	D	1	*	
CSP-POS-V/8P4	R471J	1	D	1	*	
CSP-POS-V/8P9	R471J	1	D	1	*	
CSP-SPV-1	R501F	1	D	1	*	
CSP-SPV-10A	R471B	1	D	1	*	
CSP-SPV-10B	R471B	1	D	1	*	
CSP-SPV-2	R501K	1	D	1	*	
CSP-SPV-3	R471B	1	D	1	*	
CSP-SPV-4	R501F	1	D	1	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
CSP-SPV-5	R501F	1	D	1	*	
CSP-SPV-6	R501K	1	D	1	*	
CSP-SPV-7A	R471B	1	D	1	*	
CSP-SPV-7B	R471B	1	D	1	*	
CSP-SPV-8A	R471J	1	D	1	*	
CSP-SPV-8B	R471J	1	D	1	*	
CSP-SPV-9	R501F	1	D	1	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
E-TR-7BB	R471A	2	D	3	D*	
E-TR-8BA	R606A	2	None	3	*	
E-TR-8BB	R471D	2	D	3	D*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
FDR-LS-42	R422I	1	None	3	*	
FDR-LS-43	R422M	1	C	3	*	
FDR-LS-44	R422L	1	AB	3	*	
FDR-LS-45	R422C	1	None	3	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
FPC-DPIC-1	R471J	2	D	3	D*	NOTE (2)
FPC-DPIS-11	R471J	2	D	3	D*	NOTE (2)
FPC-DPIS-12	R471J	2	D	3	D*	NOTE (2)
FPC-FIC-21	R606A	1	None	3	*	
FPC-FIS-20	R548K	2	LM	3	LM*	
FPC-FT-16	R522H	1	D	3	D*	
FPC-FT-17	R572J	1	None	3	*	
FPC-LIS-1A	R572N	2	M	3	M*	NOTE (2)
FPC-LIS-1B	R572F	2	M	3	M*	NOTE (2)
FPC-LIS-2A	R572N	2	M	3	M*	NOTE (2)
FPC-LIS-2B	R572F	2	M	3	M*	NOTE (2)
FPC-LIS-3A1	R572N	2	M	3	M*	NOTE (2)
FPC-LIS-3A2	R572N	2	M	3	M*	
FPC-LIS-3B1	R572F	2	M	3	M*	NOTE (2)
FPC-LIS-3B2	R572F	2	M	3	M*	
FPC-LS-4	R572K	2	None	3	*	
FPC-LS-5	R572K	2	None	3	*	
FPC-LT-21	R606A	2	None	3	*	
FPC-M-P/1A	R548L	2	None	3	*	
FPC-M-P/1B	R548L	2	None	3	*	
FPC-MO-172	R471D	1	D	3	D*	
FPC-MO-173	R471D	1	D	3	D*	
FPC-MO-175	R548M	2	M	3	M*	
FPC-MO-181A	R548L	2	None	3	*	NOTE (2)
FPC-MO-181B	R548L	2	None	3	*	NOTE (2)
FPC-MO-184	R471D	1	D	3	D*	
FPC-PS-6A	R548K	1	LM	3	LM*	
FPC-PS-6B	R548H	1	L	3	L*	
FPC-PS-9A	R548K	1	LM	3	LM*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
FPC-PS-9B	R548H	1	L	3	L*	
FPC-RMS-P/1A	R548K	2	LM	3	LM*	
FPC-RMS-P/1B	R548H	2	L	3	L*	
FPC-SPV-1	R471J	1	D	3	D*	
FPC-TE-4	R548K	1	LM	3	LM*	
FPC-TE-5A	R548K	1	None	3	*	
FPC-TE-5B	R548K	1	LM	3	LM*	
FPC-TE-6	R572K	2	None	3	*	
FPC-TE-7	R572K	1	None	3	*	
FPC-TE-8	R572K	1	None	3	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
LPCS-DPIS-6	R471A	1	D	3	D*	
LPCS-FIS-4	R471A	1	D	3	D*	
LPCS-FT-3	R471A	1	D	3	D*	
LPCS-M-P/1	R422C	1	None	3	*	
LPCS-M-P/2	R422C	1	None	3	*	
LPCS-PIS-1	R471A	1	D	3	D*	
LPCS-POS-V/51	C554	1	PQR	3	PQR	
LPCS-POS-V/6	C547	1	PQR	3	PQR	
LPCS-PS-5	R471A	2	D	3	D*	NOTE (2)
LPCS-PS-9	R471A	1	D	3	D*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
MSLC-FT-3A	R471J	1	D	3	D*	
MSLC-FT-3B	R471J	1	D	3	D*	
MSLC-FT-3C	R471J	1	D	3	D*	
MSLC-FT-3D	R471J	1	D	3	D*	
MSLC-M-FN/1	R471J	1	D	3	D*	
MSLC-MO-1A	R471J	1	D	3	D*	
MSLC-MO-1B	R471J	1	D	3	D*	
MSLC-MO-1C	R471J	1	D	3	D*	
MSLC-MO-1D	R471J	1	D	3	D*	
MSLC-RLY-CR/10	R522P	1	D	3	D*	
MSLC-RLY-CR/11	R522P	1	D	3	D*	
MSLC-RLY-CR/12	R522P	1	D	3	D*	
MSLC-RLY-CR/13	R522P	1	D	3	D*	
MSLC-RLY-CR/1A	R522P	1	D	3	D*	
MSLC-RLY-CR/1B	R522P	1	D	3	D*	
MSLC-RLY-CR/1C	R522P	1	D	3	D*	
MSLC-RLY-CR/1D	R522P	1	D	3	D*	
MSLC-RLY-CR/5A1	R522P	1	D	3	D*	
MSLC-RLY-CR/5A2	R522P	1	D	3	D*	
MSLC-RLY-CR/5B1	R522P	1	D	3	D*	
MSLC-RLY-CR/5B2	R522P	1	D	3	D*	
MSLC-RLY-CR/5C1	R522P	1	D	3	D*	
MSLC-RLY-CR/5C2	R522P	1	D	3	D*	
MSLC-RLY-CR/5D1	R522P	1	D	3	D*	
MSLC-RLY-CR/5D2	R522P	1	D	3	D*	
MSLC-RLY-CR/6A1	R522P	1	D	3	D*	
MSLC-RLY-CR/6A2	R522P	1	D	3	D*	
MSLC-RLY-CR/6B1	R522P	1	D	3	D*	
MSLC-RLY-CR/6B2	R522P	1	D	3	D*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
MSLC-RLY-CR/6C1	R522P	1	D	3	D*	
MSLC-RLY-CR/6C2	R522P	1	D	3	D*	
MSLC-RLY-CR/6D1	R522P	1	D	3	D*	
MSLC-RLY-CR/6D2	R522P	1	D	3	D*	
MSLC-RLY-CR/8	R522P	1	D	3	D*	
MSLC-RLY-CR/9	R522P	1	D	3	D*	
MSLC-TD-TK/2A	R522P	1	D	3	D*	
MSLC-TD-TK/2B	R522P	1	D	3	D*	
MSLC-TD-TK/2C	R522P	1	D	3	D*	
MSLC-TD-TK/2D	R522P	1	D	3	D*	
MSLC-TD-TK/3A	R522P	1	D	3	D*	
MSLC-TD-TK/3B	R522P	1	D	3	D*	
MSLC-TD-TK/3C	R522P	1	D	3	D*	
MSLC-TD-TK/3D	R522P	1	D	3	D*	
MSLC-TD-TK/4A	R522P	1	D	3	D*	
MSLC-TD-TK/4B	R522P	1	D	3	D*	
MSLC-TD-TK/4C	R522P	1	D	3	D*	
MSLC-TD-TK/4D	R522P	1	D	3	D*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
REA-M-AD/8	R548K	1	LM	1	*	
REA-POS-AD/8	R548K	1	LM	1	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
RHR-CE-1B	R522H	2	D	3	D*	NOTE (2)
RHR-DPIS-29B	R501K	2	D	3	D*	NOTE (2)
RHR-FIS-10B	R501K	1	D	3	D*	
RHR-FIS-10C	R501K	1	D	3	D*	
RHR-FT-1	R548J	2	None	3	*	NOTE (2)
RHR-FT-13	R548H	2	L	3	L*	NOTE (2)
RHR-FT-15B	R501K	1	D	3	D*	
RHR-FT-15C	R501K	1	D	3	D*	
RHR-FT-7B	R501K	1	D	3	D*	
RHR-LS-10A	R471E	2	None	3	*	
RHR-LS-10B	R471E	2	None	3	*	
RHR-LS-10C	R471E	2	None	3	*	
RHR-LS-10D	R471E	2	None	3	*	
RHR-LT-8B	R548J	2	None	3	*	
RHR-M-P/2B	R422I	1	None	3	*	
RHR-M-P/2C	R422M	1	C	3	C*	
RHR-MO-26B	R471E	1	None	3	*	
RHR-PIS-22B	R501K	2	D	1	*	NOTE (2)
RHR-PIS-22C	R501K	2	D	1	*	NOTE (2)
RHR-POT-608B	R572I	1	None	3	*	
RHR-POT-609B	R572I	1	None	3	*	
RHR-PS-16B	R501K	1	D	3	D*	
RHR-PS-16C	R501K	1	D	3	D*	
RHR-PS-19B	R501K	1	D	3	D*	
RHR-PS-19C	R501K	1	D	3	D*	
RHR-TE-27B	R548K	1	LM	3	LM*	
RHR-TE-4B	R572I	1	None	3	*	
RHR-TE-5B	R548J	2	None	3	*	NOTE (2)
RHR-V-182	R548L	1	None	3	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
RHR-V-60B	R548N	2	None	3	*	
RHR-V-75B	R548J	2	None	3	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
RRA-RMS-FN/S1	R441J	2	C	3	C*	
RRA-RMS-FN/S3	R441F	2	None	3	*	
RRA-RMS-FN/S5	R441B	2	None	3	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION Exp To	Reqd For	Qual To	STATUS
SGT-EHO-FN/1B1	R572N	1	M	5	*	
SGT-EHO-FN/1B2	R572N	1	M	5	*	
SGT-FS-2B1	R572N	1	M	5	*	
SGT-FT-1B1	R572N	1	M	5	*	
SGT-FT-1B2	R572N	1	M	5	*	
SGT-M-FN/1B1	R572N	1	M	5	*	
SGT-M-FN/1B2	R572N	1	M	5	*	
SGT-MC-H/6B	R572N	1	M	5	*	
SGT-MC-H/7B	R572N	1	M	5	*	
SGT-ME-6B	R572N	1	M	5	*	
SGT-ME-7B	R572N	1	M	5	*	
SGT-MO-1B	R572N	1	M	5	*	
SGT-MO-3B1	R572N	1	M	5	*	
SGT-MO-3B2	R572N	1	M	5	*	
SGT-MO-4B1	R572N	1	M	5	*	
SGT-MO-4B2	R572N	1	M	5	*	
SGT-MO-5B1	R572N	1	M	5	*	
SGT-MO-5B2	R572N	1	M	5	*	
SGT-SPV-2B	R572N	1	M	5	*	
SGT-SPV-F4	R572N	2	M	5	*	
SGT-SPV-F5	R572N	2	M	5	*	
SGT-SPV-F6	R572N	2	M	5	*	
SGT-TE-6B1	R572N	2	M	5	*	
SGT-TE-7B1	R572N	2	M	5	*	
SGT-TE-8B1	R572N	2	M	5	*	
SGT-TS-6B1	R572N	2	M	5	*	
SGT-TS-7B1	R572N	2	M	5	*	
SGT-TS-8B1	R572N	2	M	5	*	
SGT-TS-EH1B10	R572N	1	M	5	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
SGT-TS-EH1B11	R572N	1	M	5	*	
SGT-TS-EH1B111	R572N	1	M	5	*	
SGT-TS-EH1B112	R572N	1	M	5	*	
SGT-TS-EH1B113	R572N	1	M	5	*	
SGT-TS-EH1B114	R572N	1	M	5	*	
SGT-TS-EH1B115	R572N	1	M	5	*	
SGT-TS-EH1B116	R572N	1	M	5	*	
SGT-TS-EH1B117	R572N	1	M	5	*	
SGT-TS-EH1B118	R572N	1	M	5	*	
SGT-TS-EH1B12	R572N	1	M	5	*	
SGT-TS-EH1B13	R572N	1	M	5	*	
SGT-TS-EH1B14	R572N	1	M	5	*	
SGT-TS-EH1B15	R572N	1	M	5	*	
SGT-TS-EH1B16	R572N	1	M	5	*	
SGT-TS-EH1B17	R572N	1	M	5	*	
SGT-TS-EH1B18	R572N	1	M	5	*	
SGT-TS-EH1B19	R572N	1	M	5	*	
SGT-TS-EH1B21	R572N	1	M	5	*	
SGT-TS-EH1B210	R572N	1	M	5	*	
SGT-TS-EH1B211	R572N	1	M	5	*	
SGT-TS-EH1B212	R572N	1	M	5	*	
SGT-TS-EH1B213	R572N	1	M	5	*	
SGT-TS-EH1B214	R572N	1	M	5	*	
SGT-TS-EH1B215	R572N	1	M	5	*	
SGT-TS-EH1B216	R572N	1	M	5	*	
SGT-TS-EH1B217	R572N	1	M	5	*	
SGT-TS-EH1B218	R572N	1	M	5	*	
SGT-TS-EH1B22	R572N	1	M	5	*	
SGT-TS-EH1B23	R572N	1	M	5	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
SGT-TS-EH1B24	R572N	1	M	5	*	
SGT-TS-EH1B25	R572N	1	M	5	*	
SGT-TS-EH1B26	R572N	1	M	5	*	
SGT-TS-EH1B27	R572N	1	M	5	*	
SGT-TS-EH1B28	R572N	1	M	5	*	
SGT-TS-EH1B29	R572N	1	M	5	*	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
SPTM-TE-1B	C466	1	PQR	3	PQR	
SPTM-TE-10	C448	1	PQR	3	PQR	
SPTM-TE-12	C448	1	PQR	3	PQR	
SPTM-TE-14	C448	1	PQR	3	PQR	
SPTM-TE-16	C448	1	PQR	3	PQR	
SPTM-TE-2B	C466	1	PQR	3	PQR	
SPTM-TE-3B	C466	1	PQR	3	PQR	
SPTM-TE-4B	C466	1	PQR	3	PQR	
SPTM-TE-5B	C466	1	PQR	3	PQR	
SPTM-TE-6B	C466	1	PQR	3	PQR	
SPTM-TE-7B	C466	1	PQR	3	PQR	
SPTM-TE-8B	C466	1	PQR	3	PQR	

TABLE C

EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
PRIOR TO END OF FIRST REFUELING OUTAGE

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
SW-MO-187A	R548L	1	None	3	*	
SW-MO-187B	R548L	1	None	3	*	
SW-MO-188A	R548L	1	None	3	*	
SW-MO-188B	R548L	1	None	3	*	
SW-MO-75A	R522K	2	D	3	D*	
SW-MO-75B	R522H	2	D	3	D*	
SW-PS-1015	R548F	1	None	3	*	
SW-V-206	R548F	1	None	3	*	
SW-V-209	R548F	1	None	3	*	
SW-V-210	R548F	1	None	3	*	
SW-V-211	R548C	1	M	3	M*	
SW-V-34	R441D	2	None	3	*	

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

REASON CODES

CODE	DESCRIPTION
A	Failure will provide false indication, but no operator action is required based solely on the indication.
B	This component is redundant.
C	This system is isolated at the time of the accident, so this component has no accident function.
D	The component this instrument controls is not required for accident mitigation or safe shutdown.
E	This instrument is local- or rack-mounted inside the reactor building, and is not used for accident mitigation or safe shutdown.
F	This local switch/controller is isolated from system operation via a transfer switch in the control room.
G	The effect of this relay is overridden by the isolation signal.
H	Failure of this component cannot affect the safety position of its associated valve.
J	This valve is outside the system isolation boundary. Its failure, in any mode, has no effect.
K	This CRD component is not related to the scram function.
L	This POS/RLY is not required for isolation or for position indication of its associated valve.
M	Not part of R.G. 1.97 required instrumentation.
N	Stem leakoff isolation fails closed. Fail-open is not a problem, since it would only port water to the EDR header, isolated by containment isolation valves.
O	The safety function of this item is associated with FPC but is not required since it is backed up by SW temperature instrumentation.
P	No credit is taken for this item's function in the harsh environment following an accident.

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

REASON CODES (Cont'd.)

CODE	DESCRIPTION
Q	This item is required only for the system's standby mode, not operation.
R	Only used when train stops working properly; not necessary for safety function.
S	This equipment is used to cool the RCIC pump room; since no credit is taken for the use of RCIC, this item is not required.
T	No credible failure of this device will result in the loss of an MCC.

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
CAC-FI-5A1	R572D	3	E	
CAC-FI-5B1	R572H	3	E	
CAC-FR-67A1	R572D	3	E	
CAC-FR-67B1	R572H	3	E	
CAC-LI-1A	R572D	3	E	
CAC-LI-1B	R572H	3	E	
CAC-PI-1A1	R572D	3	E	
CAC-PI-1B1	R572H	3	E	
CAC-RMC-2A/LOCL	R572D	3	F	
CAC-RMC-2B/LOCL	R572D	3	F	
CAC-RMC-5A/LOCL	R572D	3	F	
CAC-RMC-5B/LOCL	R572D	3	F	
CAC-RMS-11A/LOC	R572F	3	F	
CAC-RMS-11B/LOC	R572F	3	F	
CAC-RMS-1ASTA	R572F	3	F	
CAC-RMS-1ASTO	R572F	3	F	
CAC-RMS-1BSTA	R572F	3	F	
CAC-RMS-1BSTO	R572F	3	F	
CAC-RMS-EHC1A	R572D	3	F	
CAC-RMS-EHC1B	R572H	3	F	
CAC-RMS-PBA/LOC	R572F	3	F	
CAC-RMS-PBB/LOC	R572F	3	F	
CAC-TR-1A1	R572D	3	E	
CAC-TR-1B1	R572H	3	E	

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
CMS-TE-15	C	3	M	
CMS-TE-16	C	3	M	
CMS-TE-17	C	3	M	
CMS-TE-18	C	3	M	
CMS-TE-19	C	3	M	
CMS-TE-20	C	3	M	
CMS-TE-24/1	C	3	M	
CMS-TE-24/2	C	3	M	
CMS-TE-25/1	C	3	M	
CMS-TE-25/2	C	3	M	
CMS-TE-26/1	C	3	M	
CMS-TE-26/2	C	3	M	
CMS-TE-32	C	3	M	
CMS-TE-33	C	3	M	
CMS-TE-36	C	3	M	
CMS-TE-37	C	3	M	
CMS-TE-38	C	3	M	
CMS-TE-39	C	3	M	
CMS-TE-40	C	3	M	
CMS-TE-51	C	3	M	
CMS-TE-52	C	3	M	
CMS-TE-53	C	3	M	
CMS-TE-54	C	3	M	
CMS-TE-55	C	3	M	

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
CRA-M-1A1	C516	3	P	
CRA-M-1A2	C516	3	P	
CRA-M-1B1	C516	3	P	
CRA-M-1B2	C516	3	P	

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
CRD-E/P-001	R522C	3	K	
CRD-M/A-9A	R522C	3	K	
CRD-M/A-9B	R522C	3	K	
CRD-MO-3	R522C	3	K	
CRD-PIS-600	R501	3	K	

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
CSP-POS-V/10P10	R	3	L	
CSP-POS-V/10P11	R	3	L	
CSP-POS-V/7P10	R	3	L	
CSP-POS-V/7P11	R	3	L	
CSP-POS-V/7P13	R	3	L	
CSP-POS-V/8P10	R	3	L	
CSP-POS-V/8P11	R	3	L	
CSP-POS-V/8P13	R	3	L	
CSP-RLY-V/10R3	R471H	3	L	
CSP-RLY-V/10R4	R471H	3	L	
CSP-RLY-V/7R3	R471H	3	L	
CSP-RLY-V/7R4	R471H	3	L	

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
CVB-SPV-1A1	C492	3	H	
CVB-SPV-1A2	C492	3	H	
CVB-SPV-1B1	C492	3	H	
CVB-SPV-1B2	C492	3	H	
CVB-SPV-1C1	C492	3	H	
CVB-SPV-1C2	C492	3	H	
CVB-SPV-1D1	C492	3	H	
CVB-SPV-1D2	C492	3	H	
CVB-SPV-1E1	C492	3	H	
CVB-SPV-1E2	C492	3	H	
CVB-SPV-1F1	C492	3	H	
CVB-SPV-1F2	C492	3	H	
CVB-SPV-1G1	C492	3	H	
CVB-SPV-1G2	C492	3	H	
CVB-SPV-1H1	C492	3	H	
CVB-SPV-1H2	C492	3	H	
CVB-SPV-1J1	C492	3	H	
CVB-SPV-1J2	C492	3	H	
CVB-SPV-1K1	C492	3	H	
CVB-SPV-1K2	C492	3	H	
CVB-SPV-1L1	C492	3	H	
CVB-SPV-1L2	C492	3	H	
CVB-SPV-1M1	C492	3	H	
CVB-SPV-1M2	C492	3	H	
CVB-SPV-1N1	C492	3	H	
CVB-SPV-1N2	C492	3	H	
CVB-SPV-1P1	C492	3	H	
CVB-SPV-1P2	C492	3	H	
CVB-SPV-1Q1	C492	3	H	
CVB-SPV-1Q2	C492	3	H	
CVB-SPV-1R1	C492	3	H	

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
CVB-SPV-1R2	C492	3	H	
CVB-SPV-1S1	C492	3	H	
CVB-SPV-1S2	C492	3	H	
CVB-SPV-1T1	C492	3	H	
CVB-SPV-1T2	C492	3	H	

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
E-42-7BB/8ASPAR	R572D	3	T	Spare
E-42-7BB/8CSPAR	R572D	3	T	Spare
E-42-8B/10BSPAR	R522D	3	T	
E-42-8B/2ASPARE	R522D	3	T	
E-42-S21A/1CSPA	R471H	3	T	Spare, bus protected from faults
E-42-S21A/2CSPA	R471H	3	T	Spare, bus protected from faults
E-42-S21A/3CSPA	R471H	3	T	Spare, bus protected from faults
E-42-S21A/4CSPA	R471H	3	T	Spare, bus protected from faults

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
FPC-M-P/3	R	3	P	
FPC-RMS-P/3	R	3	P	

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
HPCS-POS-V/51	C556	3	A	
HPCS-POS-V/76	C	3	A	

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
IRM-DET-2A	CRPV	3	M	
IRM-DET-2B	CRPV	3	M	
IRM-DET-2C	CRPV	3	M	
IRM-DET-2D	CRPV	3	M	
IRM-DET-2E	CRPV	3	M	
IRM-DET-2F	CRPV	3	M	
IRM-DET-2G	CRPV	3	M	
IRM-DET-2H	CRPV	3	M	
IRM-EAMP-2A	R501B	3	M	
IRM-EAMP-2B	R501K	3	M	
IRM-EAMP-2C	R501B	3	M	
IRM-EAMP-2D	R501K	3	M	
IRM-EAMP-2E	R501B	3	M	
IRM-EAMP-2F	R501K	3	M	
IRM-EAMP-2G	R501B	3	M	
IRM-EAMP-2H	R501K	3	M	

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
LD-TE-17A	C564	3	P	
LD-TE-17B	C548	3	P	
LD-TE-17C	C532	3	P	
LD-TE-17D	C516	3	P	
LD-V-5A	C508	3	N	
LD-V-5AA	C501	3	N	
LD-V-5B	C508	3	N	
LD-V-5BB	C501	3	N	
LD-V-5C	C509	3	N	
LD-V-5CC	C547	3	N	
LD-V-5D	C509	3	N	
LD-V-5DD	C547	3	N	
LD-V-5E	C509	3	N	
LD-V-5EE	C547	3	N	
LD-V-5F	C505	3	N	
LD-V-5G	C507	3	N	
LD-V-5H	C504	3	N	
LD-V-5L	C507	3	N	
LD-V-5M	C507	3	N	
LD-V-5N	C508	3	N	
LD-V-5Q	C557	3	N	
LD-V-5R	C562	3	N	
LD-V-5S	C557	3	N	
LD-V-5T	C509	3	N	
LD-V-5U	C506	3	N	
LD-V-5V	C547	3	N	
LD-V-5W	C548	3	N	
LD-V-5X	C540	3	N	
LD-V-5Y	C501	3	N	
LD-V-5Z	C515	3	N	

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
LPRM-DET-12BCD	CRPV	3	MP	
LPRM-DET-13CDA	CRPV	3	MP	
LPRM-DET-14ABD	CRPV	3	MP	
LPRM-DET-15ABC	CRPV	3	MP	
LPRM-DET-16BCD	CRPV	3	MP	
LPRM-DET-21ABC	CRPV	3	MP	
LPRM-DET-22DAB	CRPV	3	MP	
LPRM-DET-23CDA	CRPV	3	MP	
LPRM-DET-24BCD	CRPV	3	MP	
LPRM-DET-25ABC	CRPV	3	MP	
LPRM-DET-26DAB	CRPV	3	MP	
LPRM-DET-27CDA	CRPV	3	MP	
LPRM-DET-31CDA	CRPV	3	MP	
LPRM-DET-32DAB	CRPV	3	MP	
LPRM-DET-33ABC	CRPV	3	MP	
LPRM-DET-34BCD	CRPV	3	MP	
LPRM-DET-35CDA	CRPV	3	MP	
LPRM-DET-36DAB	CRPV	3	MP	
LPRM-DET-37ABC	CRPV	3	MP	
LPRM-DET-41CDA	CRPV	3	MP	
LPRM-DET-42BCD	CRPV	3	MP	
LPRM-DET-43ABC	CRPV	3	MP	
LPRM-DET-44DAB	CRPV	3	MP	
LPRM-DET-45CDA	CRPV	3	MP	
LPRM-DET-46BCD	CRPV	3	MP	
LPRM-DET-47ABC	CRPV	3	MP	
LPRM-DET-51ABC	CRPV	3	MP	
LPRM-DET-52BCD	CRPV	3	MP	
LPRM-DET-53CDA	CRPV	3	MP	

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
LPRM-DET-54DAB	CRPV	3	MP	
LPRM-DET-55ABC	CRPV	3	MP	
LPRM-DET-56BCD	CRPV	3	MP	
LPRM-DET-57CDA	CRPV	3	MP	
LPRM-DET-61ABC	CRPV	3	MP	
LPRM-DET-62DAB	CRPV	3	MP	
LPRM-DET-63CDA	CRPV	3	MP	
LPRM-DET-64BCD	CRPV	3	MP	
LPRM-DET-65ABC	CRPV	3	MP	
LPRM-DET-66DAB	CRPV	3	MP	
LPRM-DET-72DAB	CRPV	3	MP	
LPRM-DET-73ABC	CRPV	3	MP	
LPRM-DET-74BCD	CRPV	3	MP	
LPRM-DET-75CDA	CRPV	3	MP	

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
MS-DPI-5	R471B	3	E	
MS-MO-V/20	R501O	3	J	
MS-PS-39A	R522P	3	P	Not related to ADS function
MS-PS-39B	R522P	3	P	Not related to ADS function
MS-PS-39C	R522P	3	P	Not related to ADS function
MS-PS-39D	R522P	3	P	Not related to ADS function
MS-PS-39E	R522P	3	P	Not related to ADS function
MS-PS-39F	R522P	3	P	Not related to ADS function
MS-PS-39G	R522P	3	P	Not related to ADS function
MS-PS-39H	R522P	3	P	Not related to ADS function
MS-PS-39J	R522P	3	P	Not related to ADS function
MS-PS-39K	R522P	3	P	Not related to ADS function
MS-PS-39L	R522P	3	P	Not related to ADS function
MS-PS-39M	R522P	3	P	Not related to ADS function
MS-PS-39N	R522P	3	P	Not related to ADS function
MS-PS-39P	R522P	3	P	Not related to ADS function
MS-PS-39R	R522P	3	P	Not related to ADS function
MS-PS-39S	R522P	3	P	Not related to ADS function
MS-PS-39U	R522P	3	P	Not related to ADS function
MS-PS-39V	R522P	3	P	Not related to ADS function
MS-SPV-1AC	C522	3	P	Not related to ADS function
MS-SPV-1BC	C522	3	P	Not related to ADS function
MS-SPV-1CC	C522	3	P	Not related to ADS function
MS-SPV-1DC	C522	3	P	Not related to ADS function
MS-SPV-22A1	C513	3	H	
MS-SPV-22B1	C513	3	H	
MS-SPV-22C1	C513	3	H	
MS-SPV-22D1	C513	3	H	
MS-SPV-28A1	R501O	3	H	
MS-SPV-28B1	R501O	3	H	
MS-SPV-28C1	R501O	3	H	

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
MS-SPV-28D1	R5010	3	H	
MS-SPV-2AC	C522	3	P	Not related to ADS function
MS-SPV-2BC	C522	3	P	Not related to ADS function
MS-SPV-2CC	C522	3	P	Not related to ADS function
MS-SPV-2DC	C522	3	P	Not related to ADS function
MS-SPV-3AC	C522	3	P	Not related to ADS function
MS-SPV-3BC	C522	3	P	Not related to ADS function
MS-SPV-3CC	C522	3	P	Not related to ADS function
MS-SPV-3DC	C522	3	P	Not related to ADS function
MS-SPV-4AC	C522	3	P	Not related to ADS function
MS-SPV-4BC	C522	3	P	Not related to ADS function
MS-SPV-4CC	C522	3	P	Not related to ADS function
MS-SPV-4DC	C522	3	P	Not related to ADS function
MS-SPV-5BC	C522	3	P	Not related to ADS function
MS-SPV-5CC	C522	3	P	Not related to ADS function

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
MSLC-H-A	R471J	3	P	
MSLC-H-B	R471J	3	P	
MSLC-H-C	R471J	3	P	
MSLC-H-D	R471J	3	P	
MSLC-TE-10A	R471J	3	D	
MSLC-TE-10B	R471J	3	D	
MSLC-TE-10C	R471J	3	D	
MSLC-TE-10D	R471J	3	D	

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
RCC-TS-10A	R548L	3	O	
RCC-TS-10B	R548L	3	O	

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
RCIC-FIS-2	R471D	3	P	Not assoc. with containment iso.
RCIC-LMS-V/19B	R548H	3	P	Not assoc. with containment iso.
RCIC-LS-10	R422L	3	P	Not assoc. with containment iso.
RCIC-LS-3	R422L	3	P	Not assoc. with containment iso.
RCIC-LS-4	R548N	3	P	Not assoc. with containment iso.
RCIC-LS-5	R548J	3	P	Not assoc. with containment iso.
RCIC-LS-6	R548	3	P	Not assoc. with containment iso.
RCIC-M-P/3	R422L	3	P	Not assoc. with containment iso.
RCIC-MO-V/1	R422L	3	P	Not assoc. with containment iso.
RCIC-MO-V/10	R422L	3	P	Not assoc. with containment iso.
RCIC-MO-V/22	R441I	3	P	Not assoc. with containment iso.
RCIC-MO-V/45	R422L	3	P	Not assoc. with containment iso.
RCIC-MO-V/46	R422L	3	P	Not assoc. with containment iso.
RCIC-MO-V/59	R441I	3	P	Not assoc. with containment iso.
RCIC-PI-1	R471D	3	P	Not assoc. with containment iso.
RCIC-PI-2	R471D	3	P	Not assoc. with containment iso.
RCIC-PI-4	R471D	3	P	Not assoc. with containment iso.
RCIC-PI-803	R471	3	P	Not assoc. with containment iso.
RCIC-POS-V/21	R422L	3	P	Not assoc. with containment iso.
RCIC-POS-V/22	R422L	3	P	Not assoc. with containment iso.
RCIC-POS-V/25	R422	3	P	Not assoc. with containment iso.
RCIC-POS-V/26	R422	3	P	Not assoc. with containment iso.
RCIC-POS-V/4	R423	3	P	Not assoc. with containment iso.
RCIC-POS-V/5	R422	3	P	Not assoc. with containment iso.
RCIC-POS-V/54	R422	3	P	Not assoc. with containment iso.
RCIC-PS-1	R422	3	P	Not assoc. with containment iso.
RCIC-PS-12A	R471	3	P	Not assoc. with containment iso.
RCIC-PS-12B	R471	3	P	Not assoc. with containment iso.
RCIC-PS-12C	R471	3	P	Not assoc. with containment iso.
RCIC-PS-12D	R471	3	P	Not assoc. with containment iso.
RCIC-PS-20	R471	3	P	Not assoc. with containment iso.

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
RCIC-PS-21	R471	3	P	Not assoc. with containment iso.
RCIC-PS-32A	R501	3	P	Used for steam condensing mode
RCIC-PS-32B	R501	3	P	Used for steam condensing mode
RCIC-PS-33A	R501	3	P	Used for steam condensing mode
RCIC-PS-33B	R501	3	P	Used for steam condensing mode
RCIC-PS-34	R422	3	P	Not assoc. with containment iso.
RCIC-PS-6	R471	3	P	Not assoc. with containment iso.
RCIC-PS-9A	R471	3	P	Not assoc. with containment iso.
RCIC-PS-9B	R471	3	P	Not assoc. with containment iso.
RCIC-PT-4	R471	3	P	Not assoc. with containment iso.
RCIC-PT-5	R471	3	P	Not assoc. with containment iso.
RCIC-PT-7	R471	3	P	Not assoc. with containment iso.
RCIC-PT-8	R471	3	P	Not assoc. with containment iso.
RCIC-RMS-TURTRP	R422	3	P	Not assoc. with containment iso.
RCIC-SPV-25	R471	3	P	Not assoc. with containment iso.
RCIC-SPV-26	R501	3	P	Not assoc. with containment iso.
RCIC-SPV-4	R471	3	P	Not assoc. with containment iso.
RCIC-SPV-5	R501	3	P	Not assoc. with containment iso.
RCIC-SPV-54	R471	3	P	Not assoc. with containment iso.
RCIC-SS-1	R422	3	P	Not assoc. with containment iso.
RCIC-SS-C002	R422	3	P	Not assoc. with containment iso.
RCIC-SV-C002	R422	3	P	Not assoc. with containment iso.

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
REA-DPS-1A	R572C	3	D	
REA-DPS-1B	R572C	3	D	
REA-M-FN/1A	R572C	3	C	
REA-M-FN/1B	R572C	3	C	
REA-RLY-V/CR1	R522K	3	G	
REA-RLY-V/CR2	R548P	3	G	

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
RHR-CE-25	R441G	3	P	
RHR-CI-6	R501K	3	P	
RHR-CIST-30A	R501B	3	A	
RHR-CIST-30B	R501K	3	A	
RHR-I/P-1A	R522K	3	P	Associated with steam condensing
RHR-I/P-1B	R522H	3	P	Associated with steam condensing
RHR-I/P-3A	R522K	3	P	Associated with steam condensing
RHR-I/P-3B	R522H	3	P	Associated with steam condensing
RHR-POS-V/111A	C563	3	A	
RHR-POS-V/111B	C563	3	A	
RHR-POS-V/111C	C563	3	A	
RHR-POS-V/112A	C512	3	A	
RHR-POS-V/112B	C512	3	A	
RHR-POS-V/113	C512	3	A	
RHR-POS-V/89	R548J	3	A	
RHR-PT-26A	R501B	3	P	Associated with steam condensing
RHR-PT-26B	R501K	3	P	Associated with steam condensing
RHR-PT-28	R501K	3	P	
RHR-SPV-41A	R501F	3	P	Used for testing only
RHR-SPV-41B	R522H	3	P	Used for testing only
RHR-SPV-41C	R501K	3	P	Used for testing only
RHR-SPV-50A	R548G	3	P	Used for testing only
RHR-SPV-50B	R501K	3	P	Used for testing only
RHR-SPV-51A	R522K	3	D	
RHR-SPV-51B	R522H	3	D	
RHR-SPV-65A	R522K	3	D	
RHR-SPV-65B	R522H	3	D	
RHR-SPV-89	R522H	3	P	Used for testing only
RHR-TE-31	R441G	3	P	Associated with steam condensing

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
ROA-DPS-11A	R572C	3	D	
ROA-DPS-11B	R572C	3	D	
ROA-M-FN/1A	R572C	3	C	
ROA-M-FN/1B	R572C	3	C	
ROA-RLY-V/CR1A	R548G	3	G	
ROA-RLY-V/CR200	R522H	3	G	

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
RRA-M-FN/6	R441I	3	S	
RRA-RMS-FN/S6	R441I	3	S	

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
RRC-FS-2A	C501	3	P	
RRC-FS-2B	C501	3	P	
RRC-FS-7A	C501	3	P	
RRC-FS-7B	C501	3	P	
RRC-FT-11A	R471B	3	P	
RRC-FT-11B	R471D	3	P	
RRC-FT-14A	R471B	3	P	
RRC-FT-14B	R471D	3	P	
RRC-FT-14C	R471B	3	P	
RRC-FT-14D	R471D	3	P	
RRC-FT-24A	R471B	3	P	
RRC-FT-24B	R471D	3	P	
RRC-FT-24C	R471B	3	P	
RRC-FT-24D	R471D	3	P	
RRC-MO-23A	C503	3	P	
RRC-MO-23B	C508	3	P	
RRC-MO-60A	C512	3	P	
RRC-MO-60B	C512	3	P	
RRC-MO-67A	C514	3	P	
RRC-MO-67B	C514	3	P	
RRC-POS-27A	C506	3	A	
RRC-POS-27B	C506	3	A	
RRC-POT-26A	C506	3	A	
RRC-POT-26B	C506	3	A	
RRC-SPV-85A	C501	3	P	
RRC-SPV-85B	C501	3	P	
RRC-TE-23A	C501	3	P	
RRC-TE-23B	C501	3	P	
RRC-TE-28A	C501	3	P	

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
RRC-TE-28B	C501	3	A	
RRC-TE--35A	C501	3	A	
RRC-TE-35B	C501	3	A	
RRC-TT-601A	C	3	P	
RRC-TT-601B	C	3	P	
RRC-TT-601C	C	3	P	
RRC-TT-601D	C	3	P	

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
RWCU-MO-V/100	C501	3	P	Not assoc. with containment iso.
RWCU-MO-V/101	C514	3	P	Not assoc. with containment iso.
RWCU-MO-V/102	C502	3	P	Not assoc. with containment iso.
RWCU-MO-V/106	C501	3	P	Not assoc. with containment iso.

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
SGT-CNTR-ESH1A	R572N	3	Q	
SGT-CNTR-ESH1B	R572N	3	Q	
SGT-CNTR-ESH2A	R572N	3	Q	
SGT-CNTR-ESH2B	R572N	3	Q	
SGT-DPIS-1A	R572N	3	M	
SGT-DPIS-1B	R572N	3	M	
SGT-DPIS-2A	R572N	3	M	
SGT-DPIS-2B	R572N	3	M	
SGT-DPIS-3A	R572N	3	M	
SGT-DPIS-3B	R572N	3	M	
SGT-DPIS-4A	R572N	3	M	
SGT-DPIS-4B	R572N	3	M	
SGT-DPIS-5A	R572N	3	M	
SGT-DPIS-5B	R572N	3	M	
SGT-DPIS-6A	R572N	3	M	
SGT-DPIS-6B	R572N	3	M	
SGT-ESH-1A	R572N	3	Q	
SGT-ESH-1B	R572N	3	Q	
SGT-ESH-2A	R572N	3	Q	
SGT-ESH-2B	R572N	3	Q	
SGT-FS-2A1	R572N	3	R	
SGT-FS-2B2	R572N	3	R	
SGT-ME-16A	R572N	3	AB	
SGT-ME-16B	R572N	3	AB	
SGT-ME-17A	R572N	3	AB	
SGT-ME-17B	R572N	3	AB	
SGT-ME-3A	R572N	3	AB	
SGT-ME-3B	R572N	3	AB	
SGT-ME-4A	R572N	3	AB	
SGT-ME-4B	R572N	3	AB	
SGT-ME-5A	R572N	3	AB	

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
SGT-ME-5B	R572N	3	AB	
SGT-RLY-ESH1A11	R572N	3	Q	
SGT-RLY-ESH1A21	R572N	3	Q	
SGT-RLY-ESH1B11	R572N	3	Q	
SGT-RLY-ESH1B21	R572N	3	Q	
SGT-RMS-EH1A19	R572D	3	F	
SGT-RMS-EH1A29	R572H	3	F	
SGT-RMS-EH1B19	R572D	3	F	
SGT-RMS-EH1B29	R572H	3	F	
SGT-RMS-ESH1A1	R572N	3	F	
SGT-RMS-ESH1A2	R572N	3	F	
SGT-RMS-ESH1B1	R572N	3	F	
SGT-RMS-ESH1B2	R572N	3	F	
SGT-RMS-ESH2A1	R572N	3	F	
SGT-RMS-ESH2A2	R572N	3	F	
SGT-RMS-ESH2B1	R572N	3	F	
SGT-RMS-ESH2B2	R572N	3	F	
SGT-TC-H/1A1	R572N	3	Q	
SGT-TC-H/1A2	R572N	3	Q	
SGT-TC-H/1B1	R572N	3	Q	
SGT-TC-H/1B2	R572N	3	Q	
SGT-TC-H/2A1	R572N	3	Q	
SGT-TC-H/2A2	R572N	3	Q	
SGT-TC-H/2B1	R572N	3	Q	
SGT-TC-H/2B2	R572N	3	Q	
SGT-TE-1A	R572N	3	AB	
SGT-TE-1B	R572N	3	AB	
SGT-TE-6A	R572N	3	AB	
SGT-TE-6B	R572N	3	AB	
SGT-TE-7A	R572N	3	AB	
SGT-TE-7B	R572N	3	AB	

S/N	NAO NUMBER	USE LOCC	REASON FOR [illegible]	[illegible]
[illegible]	[illegible]	1	[illegible]	
[illegible]	[illegible]	1	[illegible]	
[illegible]	[illegible]	1	[illegible]	

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
SGT-TI-10A	R572N	3	AB	
SGT-TI-10B	R572N	3	AB	
SGT-TI-8A	R572N	3	AB	
SGT-TI-8B	R572N	3	AB	
SGT-TI-9A	R572N	3	AB	
SGT-TI-9B	R572N	3	AB	
SGT-TS-1A1	R572N	3	Q	
SGT-TS-1A11	R572N	3	Q	
SGT-TS-1A2	R572N	3	Q	
SGT-TS-1A21	R572N	3	Q	
SGT-TS-1A3	R572N	3	Q	
SGT-TS-1A31	R572N	3	Q	
SGT-TS-1A4	R572N	3	Q	
SGT-TS-1A41	R572N	3	Q	
SGT-TS-1B1	R572N	3	Q	
SGT-TS-1B11	R572N	3	Q	
SGT-TS-1B2	R572N	3	Q	
SGT-TS-1B21	R572N	3	Q	
SGT-TS-1B3	R572N	3	Q	
SGT-TS-1B31	R572N	3	Q	
SGT-TS-1B4	R572N	3	Q	
SGT-TS-1B41	R572N	3	Q	
SGT-TS-2A1	R572N	3	Q	
SGT-TS-2A11	R572N	3	Q	
SGT-TS-2A2	R572N	3	Q	
SGT-TS-2A21	R572N	3	Q	
SGT-TS-2A3	R572N	3	Q	
SGT-TS-2A31	R572N	3	Q	
SGT-TS-2A4	R572N	3	Q	
SGT-TS-2A41	R572N	3	Q	
SGT-TS-2B1	R572N	3	Q	

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

TABLE D
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
SGT-TS-2B11	R572N	3	Q	
SGT-TS-2B2	R572N	3	Q	
SGT-TS-2B21	R572N	3	Q	
SGT-TS-2B3	R572N	3	Q	
SGT-TS-2B31	R572N	3	Q	
SGT-TS-2B4	R572N	3	Q	
SGT-TS-2B41	R572N	3	Q	

TABLE 3

EQUIPMENT WHICH CAN FAIL WITH A REMOTELY SAFE SHUTDOWN

EQU	RAC RATE	VS TODR	TRADOW CODE	NAME
SLC-EHC-1	[illegible]	3	-	SLC sys func is non-safety-related
SLC-EHC-2	[illegible]	3	-	SLC sys func is non-safety-related
SLC-PTC-4	[illegible]	3	9	SLC sys func is non-safety-related
SLC-PT-1	[illegible]	1	-	SLC sys func is non-safety-related
SLC-LT-1	[illegible]	3	-	SLC sys func is non-safety-related
SLC-M-P/1X	[illegible]	3		SLC sys func is non-safety-related
SLC-M-P/1E	[illegible]	1	9	SLC sys func is non-safety-related
SLC-MO-1X	[illegible]	3	9	SLC sys func is non-safety-related
SLC-MO-1E	[illegible]	3	9	SLC sys func is non-safety-related
SLC-POS-2	[illegible]	1	-	SLC sys func is non-safety-related
SLC-POS-V/3X	[illegible]	3	9	SLC sys func is non-safety-related
SLC-PT-4	[illegible]	1	9	SLC sys func is non-safety-related
SLC-RLY-X3	[illegible]	3	9	SLC sys func is non-safety-related
SLC-RMS-EHC-2	[illegible]	3	-	SLC sys func is non-safety-related
SLC-RMS-P 1A	[illegible]	3	9	SLC sys func is non-safety-related
SLC-RMS-P/1E	[illegible]	3	9	SLC sys func is non-safety-related
SLC-RMS-V/S3	[illegible]	1	-	SLC sys func is non-safety-related
SLC-TC-6	[illegible]	1	-	SLC sys func is non-safety-related
SLC-TTC-TXC/1	[illegible]	1	-	SLC sys func is non-safety-related
SLC-TS-1	[illegible]	1	9	SLC sys func is non-safety-re[illegible]

TABLE D

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
SLC-EHC-2	R548C	3	P	SLC sys func is non-safety-related
SLC-EHC-3	R548C	3	P	SLC sys func is non-safety-related
SLC-FIC-4	R548C	3	P	SLC sys func is non-safety-related
SLC-FT-1	R522H	3	P	SLC sys func is non-safety-related
SLC-LT-1	R548C	3	P	SLC sys func is non-safety-related
SLC-M-P/1A	R548C	3	P	SLC sys func is non-safety-related
SLC-M-P/1B	R548C	3	P	SLC sys func is non-safety-related
SLC-MO-1A	R548C	3	P	SLC sys func is non-safety-related
SLC-MO-1B	R548C	3	P	SLC sys func is non-safety-related
SLC-POS-8	C	3	P	SLC sys func is non-safety-related
SLC-POS-V/31	R548C	3	P	SLC sys func is non-safety-related
SLC-PT-4	R548C	3	P	SLC sys func is non-safety-related
SLC-RLY-K1	R548C	3	P	SLC sys func is non-safety-related
SLC-RMS-EHC/S2	R548C	3	P	SLC sys func is non-safety-related
SLC-RMS-P/1A	R548C	3	P	SLC sys func is non-safety-related
SLC-RMS-P/1B	R548C	3	P	SLC sys func is non-safety-related
SLC-RMS-V/S3	R548C	3	P	SLC sys func is non-safety-related
SLC-TE-6	R548C	3	P	SLC sys func is non-safety-related
SLC-TIC-EHC/2	R548C	3	P	SLC sys func is non-safety-related
SLC-TS-3	R548C	3	P	SLC sys func is non-safety-related

TABLE 1

EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

SYM	RAL ZONE	USE CODE	REASON CODE	COMMENTS
SW-RT-1	R5224	3	2	
SW-RT-2	R5124	3	2	

TABLE D.
EQUIPMENT WHICH CAN FAIL WITHOUT AFFECTING SAFE SHUTDOWN

EPN	RAD ZONE	USE CODE	REASON CODE	COMMENTS
SW-RT-1	R522K	3	P	
SW-RT-2	R522H	3	P	

TABLE 3

DEFINITIONS

The following definitions were accepted as facilitators/conditions in program results:

A. Safety Function: A function which must be provided in order to maintain the nuclear plant in a safe and stable condition. Safety functions noted below will assure that the NRP plant meets the safety objectives noted in Section 1.0.

The safety functions are:

1. Emergency Reactor System
   Reactivity Control - scram and control core reactivity to assure reactor protection.

2. Primary Core Heat Removal
   Assuring all potential primary core of primary coolant means to remove an accident in order to prevent a significant release of radioactive materials.

3. Reactor Core Cooling
   a. Initial Core Cooling - provide core heat removal in order to prevent an accident to prevent damage to the reactor. This function involves the injection of emergency cooling water by various methods and systems.

   b. RCS Pressure Control - maintain reactor coolant system pressure in accordance with thermal-hydraulic limits for any given reactor operation mode.

   c. RCS Level Control - maintain reactor vessel water level to ensure adequate core cooling.

TABLE E

DEFINITIONS

The following definitions were adopted to facilitate consistency in project results:

A. Safety Function: A function which must be provided in order to maintain the nuclear plant in a safe and stable condition. Safety Functions noted below will assure that the WNP-2 plant meets the safety objectives noted in Section 1.0.

The safety functions are:

1. Emergency Reactor Shutdown
   Reactivity Control - establish and control core reactivity to assure reactor shutdown.

2. Primary Containment Isolation
   Sealing all potential paths out of primary containment following an acccident in order to prevent a significant release of radioactive materials.

3. Reactor Core Cooling
   a. Initial Core Cooling - provide core heat removal immediately following an accident to prevent damage to the fuel. This function involves the injection of emergency cooling water by various methods and systems.

   b. RCS Pressure Control - maintain reactor coolant system pressure in accordance with thermal-hydraulic limits for any given reactor operating mode.

   c. RCS Level Control - maintain reactor vessel water level to ensure adequate core cooling.

4. Containment Integrity

a. Primary Containment Hydrogen Control - to maintain the containment H_2 and O_2 concentration within acceptable limits in order to prevent the possibility of a hydrogen explosion

b. Primary Containment Pressure and Temperature Control - to maintain the containment pressure within acceptable limits. [illegible] to prevent damage to the containment structure and its contents.

5. Core Residual Heat Removal

Long-term core cooling - providing core heat removal for extended periods of time via redirectionization of reactor [illegible].

6. Prevention of Significant Release of Radioactive Material to the Environment

Reactor building [illegible] - sealing and/or controlling points of release such as the reactor building [illegible] order to prevent excessive release of radioactive materials to the atmosphere.

8. Use: Operating codes which describe equipment use during accident conditions.

Codes for the equipment "USE" during a Design Basis Accident are:

Accident
Use Codes

X

0 The equipment will not experience the environmental conditions of design basis accidents and is not required before, during, or after an accident.

4. Containment Integrity

   a. Primary Containment Hydrogen Control - to maintain the containment H_2 and O_2 concentration within acceptable limits in order to prevent the possibility of a hydrogen explosion.

   b. Primary Containment Pressure and Temperature Control - to maintain the containment environment within acceptable limits in order to prevent damage to the containment structure and its contents.

5. Core Residual Heat Removal

   Long-Term Core Cooling - provide core heat removal for extended periods of time via recirculation of reactor coolant.

6. Prevention of Significant Release of Radioactive Material to the Environment

   Reactor Building Isolation - sealing and/or controlling potential release paths out of the reactor building in order to prevent excessive release of radioactive materials to the atmosphere.

B. Use: Contains codes which describe equipment use during accident conditions.

Codes for the equipment "USE" during a Design Basis Accident are:

Accident
Use Codes:
X

0 The equipment will not experience the environmental conditions of design basis accidents and is not required before, during, or after an accident.

1. Equipment that will experience the environmental conditions of a design basis accident for which it must function to mitigate said accident, and also will be qualified to demonstrate operability in the accident environment for the time required for accident mitigation with a safety margin to failure.

2. Equipment will experience the environmental conditions of a design basis accident through which it must perform an active function for mitigation of said accident and through which it must not fail in a manner detrimental to plant safety or accident mitigation, and it will be qualified to demonstrate the capability to withstand any accident induced for the time during which it must function with a safety margin to failure.

3. Equipment that will experience environmental conditions of a design basis accident through which it need not function for mitigation of said accident, and whose failure in any way is deemed not detrimental to plant safety or accident mitigation, may not be qualified for any accident environment, but will be qualified for its non-accident service environment.

4. Safety-related equipment that will not experience environmental conditions of a design basis accident for which it must function to mitigate said accident and thus will be qualified to demonstrate operability under the expected extremes of its accident service environment. This equipment would be located outside the Reactor Building.

C. Radiation Zone: The reactor building was divided into zones to facilitate the equipment radiation dose determination. These zones are shown as maps in Appendix B.

1 Equipment that will experience the environmental conditions of a design basis accident for which it must function to mitigate said accident, and that will be qualified to demonstrate operability in the accident environment for the time required for accident mitigation with a safety margin to failure.

2 Equipment will experience the environmental conditions of a design basis accident through which it need not provide an active function for mitigation of said accident, but through which it must not fail in a manner detrimental to plant safety or accident mitigation, and that will be qualified to demonstrate the capability to withstand any accident environment for the time during which it must not fail with a safety margin to failure.

3 Equipment that will experience environmental conditions of a design basis accident through which it need not function for mitigation of said accident, and whose failure (in any mode) is deemed not detrimental to plant safety or accident mitigation, and need not be qualified for any accident environment, but will be qualified for its non-accident service environment.

4 Safety-related equipment that will not experience environmental conditions of a design basis accident for which it must function to mitigate said accident and that will be qualified to demonstrate operability under the expected extremes of its accident service environment. This equipment would be located outside the Reactor Building.

C. Radiation Zone: The reactor building was divided into zones to facilitate the equipment radiation dose determination. These zones are shown as maps in Appendix B.

D. Accident Information: This column in Appendices A, B, and C includes "Exp To", which indicates the accident that equipment would be exposed to; "Req For", which identifies the accident that a component would be required for; and "Qual To", indicating the accident an item-of the equipment must be qualified to.

E. Harsh Environment: An area that would be exposed to a physical stress in the maximum temperature, pressure or humidity during design basis accidents and/or the total radiation dose (normal + accident) is above 10^4 rad.

D. Accident Information: This column in Appendices A, B, and C includes "Exp To", which indicates the accident that equipment would be exposed to; "Reqd For", which identifies the accidents that a component would be required for; and "Qual To", indicating the accident environment the equipment must be qualified to.

E. Harsh Environment: An area that would be exposed to a significant increase in the maximum temperature, pressure, and humidity during design basis accidents and/or the total radiation dose (normal + accident) is above 10^4 rad.

TABLE F

SYSTEM ABBREVIATIONS

CAC:	Containment Atmosphere Control
CAS:	Control Air System
CEP:	Containment Purge Exhauster
CIA:	Containment Instrument Air
CMS:	Containment Mor tor System
CPA:	Containment Radition Air
CPD:	Control Rod Drive Hydraulic
CSP:	Containment Purge Supply
VB:	Containment Vacuum Breaker
E:	Electrical
EQR:	Equipment Drain Radioactive
FCR:	Floor Drains Radioactive
FPC:	Fuel Pool Cooling
HPCS:	High Pressure Core Spray
HY:	Hydraulic Control
IRM:	Intermediate Range Monitor
LD:	Leak Detection
LPCS:	Low Pressure Core Spray
LPRM:	Local Power Range Monitor
MS:	Main Steam
MSLC:	Main Steam Leakage Control
PI:	Process Instrumentation
RCC:	Reactor Building Closed Cooling
RIC:	Reactor Area Isolation Cooling
REA:	Reactor Exhaust Air
RFW:	Reactor Feedwater
RHR:	Residual Heat Removal
ROA:	Reactor Building Air
RS:	Reactor Protection System
RTA:	Reactor Rupture Air
RWC:	Reactor Recirculation
RWCU:	Reactor Water Clean-Up
SGT:	Standby Gas Treatment
SLC:	Standby Liquid Control
SPTM:	Suppression Pool Temperature Monitor
SW:	Standby Service Water

TABLE F

SYSTEM ABBREVIATIONS

CAC:	Containment Atmosphere Control
CAS:	Control Air System
CEP:	Containment Purge Exhaust
CIA:	Containment Instrument Air
CMS:	Containment Monitor System
CRA:	Containment Recirculation Air
CRD:	Control Rod Drive (Hydraulic)
CSP:	Containment Purge Supply
CVB:	Containment Vacuum Breaker
E:	Electrical
EDR:	Equipment Drains Radioactive
FDR:	Floor Drains Radioactive
FPC:	Fuel Pool Cooling
HPCS:	High Pressure Core Spray
HY:	Hydraulic Control
IRM:	Intermediate Range Monitor
LD:	Leak Detection
LPCS:	Low Pressure Core Spray
LPRM:	Local Power Range Monitor
MS:	Main Steam
MSLC:	Main Steam Leakage Control
PI:	Process Instrumentation
RCC:	Reactor Building Closed Cooling
RCIC:	Reactor Core Isolation Cooling
REA:	Reactor Exhaust Air
RFW:	Reactor Feedwater
RHR:	Residual Heat Removal
ROA:	Reactor Outside Air
RPS:	Reactor Protection System
RRA:	Reactor Return Air
RRC:	Reactor Recirculation
RWCU:	Reactor Water Clean-Up
SGT:	Standby Gas Treatment
SLC:	Standby Liquid Control
SPTM:	Suppression Pool Temperature Monitor
SW:	Standby Service Water

[illegible]