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SEE APP1

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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Washington Public Power Supply System
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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 Bouchey for

G. D. Bouchey, Manager
Nuclear Safety and Licensing

cc: R Auluck, NRC
WS Chin, BPA (399)
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WNP-2
NUREG 0588 ENVIRONMENTAL EQUIPMENT QUALIFICATION REPORT

Volume 1

September 1982

Washington Public Power Supply System
Richland, Washington 99352

ATTACHMENT

VALIDATION REPORT

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:

- o 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.

- o 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.

- o 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 Temperature/Pressure Outside Containment

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:

$T_{max} = 108^{o}F$
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, 10°C 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.

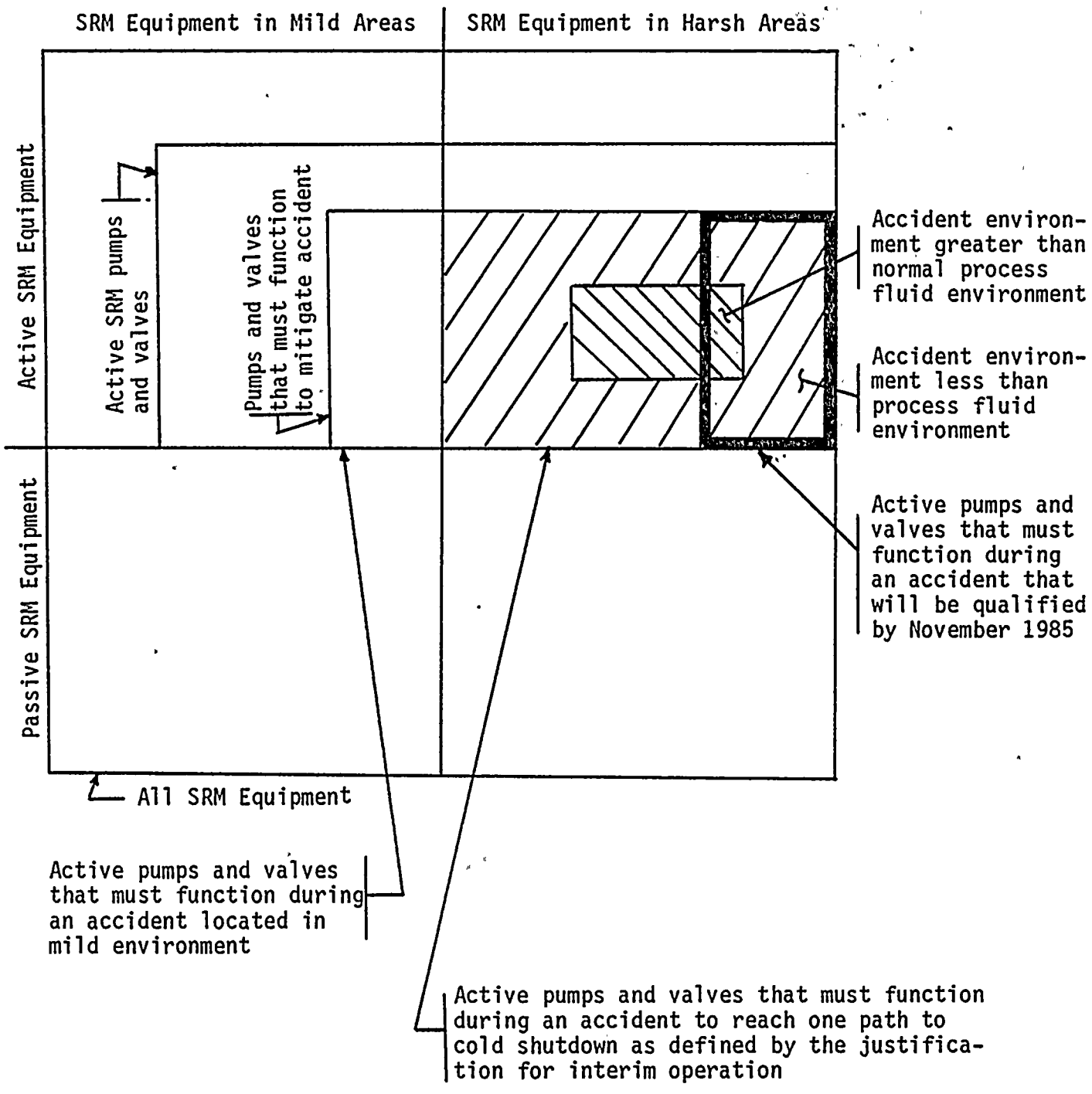

SRM Equipment in Mild Areas
SRM Equipment in Harsh Areas
Active SRM Equipment
Active SRM pumps and valves
Pumps and valves that must function to mitigate accident
Accident environment greater than normal process fluid environment
Accident environment less than process fluid environment
Active pumps and valves that must function during an accident that will be qualified by November 1985
Passive SRM Equipment
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.

o 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.

o 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.

o 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.

o 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.

o 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

- o 94 components are being replaced or purchased qualified
- o 119 components are being type tested
- o 149 components are being qualified by engineering evaluations.
- o 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 need not 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

X X

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	SUPERVISCRY 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			#		02-195	
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	#		#		02-159	
BD	BOARD	E	#	#####	# #	#	#	#	#	#	B	#		#	# #	02-#	#
BJM	BRANCH JUNCTION MODULE	I	INSTRU	XYICX	#	#	#	#	#	#	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	M	#	#	#	#	#						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	#YICX	#	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	
C0	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	QT
CC	DUST COLLECTOR	M	FILTER	##		SCFM		PSID		MICR	C	#	#			02-024	QT
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	QT
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	QT
DP	DISTRIBUTION PANEL	E	CKTBKR	K QJB	#	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	QT
DPI	D PRESS INDICATOR	I	INSTRU	PID	#	#	#	#	#	#	B	#	#			02-175	
DPIC	D PRESS INDICAT& CONTROLLER	I	INSTRU	PCI	#						B		#			02-155	
DPIR	D PRESS INDICTAT 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	A####	#	#	#	#	#	#	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	AF											02-177	
ED	EDUCTOR	M	PUMPXX	K	# #	FTHD		GPM	#	#	C	#		#	#	02-081	QT
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 # #	FTHD	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	QT
ESH	ELECTRIC STRIP HEATER	E	HEATER	K##### # #	# #	# #	#	C		#			02-290	
ETD	TRANSDUCER,VOLTAGE	I	INSTRU	EY# #				B		#			02-	
EUH	ELECTRIC UNIT HEATER	E	HEATER	K##### # #	# #	# #	#	C		#			02-290	QT
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	K	RPM		KW	B		#			02-285	
F	FIPING FILTER	M	FILTER	##		PSID	MICR	C	#	#	#		02-	
FA	FLAME ARRESTOR	M	PIPEXX	X #	IN	PSIG #	#	D	#		#	#	02-080	QT
FC	FAN COIL									#			02-024	
FC	FLOW CONTROLLER									#			02-155	
FCN	FILL CONNECTION	M	PIPEXX	X #	IN #	# #	#	D	#		#	#	02-080	QT
FCV	FLOW CONTROL VALVE	M	VALVEX	F G	IN	PSIG	DEGF	C	#				02-133	
FE	FLOW ELEMENT	I	INSTRU	FE#A # #	# #	# #	#	B	#		#	#	02-170	
FG	FLOW GLASS	I	INSTRU	FI#CC# #	# #	# #	#	B	#		#	#	02-175	QT
FGEN	FUNCTION GENERATOR	I	INSTRU										02-177	
FH	FUME HOOD	M	BLOWER	D ##	SCFM	PSIG	HP	D	#				02-024	QT
FI	FLOW INDICATOR	I	INSTRU	FI# # #	# #	# #	#	B	#	#			02-175	
FIC	FLOW INDICATING CONTROLLER	I	INSTRU	FCI #				B		#			02-155	
FIS	FLOW 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	FLOW INTEGRATOR	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	FLOW RECORDER	I	INSTRU	FR#		#	#	B	#	#			02-205	
FRC	FLOW RECORDING CONTROLLER	I	INSTRU	FCR #				B		#			02-205	
FRCS	FLOW RECORDING CONTRL SWITCH	I	INSTRU	FCR #				B		#			02-205	
FRS	FLOW RECORDING SWITCH	I	INSTRU	FSR #				B		#			02-205	
FS	FLOW SWITCH	I	INSTRU	FS# # #	# #	# #	#	B					02-325	
FSPV	FLOW CONTROL 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	FUSEBLOCK HOLDER*CL.1E ONLY*	E	CKTBKR	A ##	#	DEGF	AMP						02-	
FUSE	FUSE,*CL.1E ONLY*	E	CKTBKR	AXEX #	#	DEGF	AMP						02-	
FX	FLOW TEST POINT	I	INSTRU	FX## # #	# #	# #	#	C	#		#	#	02-080	QT
GEN	GENERATOR	E	GENERA	D A	RPM	VAC	KW	B		#			02-285	

COMP CODE	COMPONENT IDENTIFICATION	C R	NPRD COMP	ABC DEF	G	UNIT	H	UNIT	J	UNIT	C L	IE EE	C/ GR	P S	P M	SPARE PART NO	SAF CLS
EVT	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	#				02-068	
HR	HYDROGEN RECOMBINER	M	RECOMB	####		BTUH		SCFM		DEGF	B	#		#		02-094	
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	B #		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 #		208 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-	
LWS	LOW VOLUME SELECTOR	I	INSTRU	UY# ##	#	#	#	#	#	#	B		#			02-325	
LX	LEVEL TEST POINT	I	INSRIU	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	

COMP CODE	COMPONENT IDENTIFICATION	CR	NPRD COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	CL	IEEE	C/GR	PS	PM	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	QT
MZ	MULTIZONE AIR CONDITIONER	M	HTEXCH	GH	#	KSFT	#	#		MBH	C	#	#		#	02-015	
N	NOZZLE	M	PIPEXX	E	#	IN		PSIG	#	#	C	#		#		02-080	QT
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	QT

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	ESISTOR,*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	REMXX	# #	#	#	#	#	#	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	AE#	# #	#	#	#	#	#	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	VEI AM												02-170	
SMO	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	C	#	######	#	#	#	#	#	#	B	#	#	#	#	02-#	#
SS	SELECTOR SWITCH	M	CKTBKR	FAB#				DEGF		AMP						02-325	
SS	SPEED SWITCH	M	CKTBKR	FAB#				DEGF		AMP						02-	
ST	STRAINER	I	INSTRU	VEI AM												02-100	

COMP CODE	COMPONENT IDENTIFICATION	C R	PROD 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	VEIAH												02-325	
SUH	STEAM UNIT HEATER	M	HTEXCH	AH #		KSFT		PSIG		MBH	C	#			#	02-024	OT
SUM	SUMMER	I	INSTRU	UOM #							B		#			02-215	
SUMP	SUMP	M	ACCUMU	BX-MM#	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	MRMGX#	#	ZZZ	#	ZZZ	#	ZZZ						02-035	
TBE	TURBIDITY ELEMENT	I	INSTRU	XEM #	#	#	#	#	#	#	B	#				02-170	
TBIT	TURBIDITY INDICATING TRANS	I	INSTRU	XTI #							B		#			02-	
TBR	TURBIDITY RECORDER	I	INSTRU	XRM #							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	C# #							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	XSX #	#	#	#	#	#	#	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	#M#	#	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	EYMEE #	#	ZZZ	00001	VDC	00001	VDC						02-035	
TRS	TEMPERATURE RECORDING SWITCH	I	INSTRU	TSR #							B		#			02-205	
TS	TEMPERATURE SWITCH	I	INSTRU	S# #	#	#	#	#	#	#	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	YM							B		#			02-	
VB	VACUUM BREAKER	M	VALVEX			IN		PSIG			C					02-085	
VBAM	VIBRATION AMPLIFIER	I	INSTRU	VPM #	#	#	#	#	#	#	B		#			02-	
VBE	VIBRATION ELEMENT	I	INSTRU	VEM #							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	VS# #	#	#	#	#	#	#	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#												02-	
WUH	WATER UNIT HEATER	M	HTEXCH	A #		KSFT		PSIG		MBH	B	#	#		#	02-055	
X	PRIMARY CONTAINMENT PENETRAT	M	PENETR	###							C	#		#		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 / DESCRIPTION / CONTRACT	LEVEL	EC	USE	SAFETY FUNCTION	MFG / MODEL / BLDG DRAWING	ELEV / A/E DRAWING	STATUS S	E	QID / DETAIL / A/E ZONE	SEISMIC (S) PARAMETERS TM	HL	TEST	ANL	EQ	C	FREQ	ENV. (E) PARAMETERS AGING	DBE	C	HOURS / ACCURACY / COMPOSITE EPN	ZONE	ROOM
CAC-CNTR-1A CONTACTOR FOR CAC-EHC-1A	71	2	A	1 0 D	A102D202 71-00-0104	R 572 M.7/6.6	R	M	045002 E11											4320 CAC-EHC-1A+	R73	
CAC-CNTR-1B CONTACTOR FOR CAC-EHC-1B	71	2	A	1 0 D	A102D202 71-00-0104	R 572 M.7/7.4	A	M	045002 D11	Y	21	00			09					4320 CAC-EHC-1B+	R73	
CAC-E/S-1A24 24VDC POWER SUPPLY	71	3	A	1 0 D	B040 9T66Y987 71-00-0104	R 572 M.6/6.5	A		105002											4320 E-CP-CAC/HR1A+	R73	
CAC-E/S-1A43 43VDC POWER SUPPLY	71	3	A	1 0 D	B080 298 71-00-0104	R 572 M.6/6.5	A													4320 E-CP-CAC/HR1A+	R73	
CAC-E/S-1B24 24VDC POWER SUPPLY	71	3	A	1 0 D	B040 9T66Y987 71-00-0104	R 572 M.5/8.0	A		105002											4320	R73	
CAC-E/S-1B43 43VDC POWER SUPPLY	71	3	A	1 0 D	B080 298 71-00-0104	R 572 M.7/7.2	A													4320	R73	
CAC-EHC-1A 37 KW PREHEATER	71	2	A	1 0 D	C332 SA213-T347 S.S. M554	R 580 M7/6.6	A	A	109007 E14	Y	21	00			09					4320 CAC-HR-1A+	R73	R604
CAC-EHC-1B 37 KW PREHEATER	71	2	A	1 0 D	C332 SA213-T347 S.S. M554	R 580 M7/7.4	A	A	109007 E2	Y	21	00			09					4320 CAC-HR-1B+	R73	R604
CAC-EHO-FCV/1A ELECTRO-HYD OPER FOR CAC-FCV-1A	42A	2	A	1 0 D	I206 NH91 M554	R 575 L.9/5.0	A	T	110004 J10	P	Y	21	00		09					4320 CAC-FCV-1A	R73	R611
CAC-EHO-FCV/1B ELECTRO-HYD OPER FOR CAC-FCV-1B	42A	2	A	1 0 D	I206 NH91J4002F2L18 M554	R 570 J.8/6.5	A	T	110004 H6	P	Y	21	00		09					4320 CAC-FCV-1B	R61	R509
CAC-EHO-FCV/2A ELECTRO-HYD OPER FOR CAC-FCV-2A	42A	2	A	1 0 D	I206 NH91J4002F221B M554	R 558 M.2/7.1	A	T	110004 G11	P	Y	21	00		09					4320 CAC-FCV-2A	R63	R504
CAC-EHO-FCV/2B ELECTRO-HYD OPER FOR CAC-FCV-2B	42A	2	A	1 0 D	I206 NH91J4002F211B M554	R 563 6.5/M.5	A	T	110004 G6	P	Y	21	00		09					4320 CAC-FCV-2B	R66	
CAC-EHO-FCV/3A ELECTRO-HYD OPER FOR CAC-FCV-3A	42A	2	A	1 0 D	I206 NH91 M554	R 493 M.8/9.4	A	T	110004 D11	P	Y	21	00		09					4320 CAC-FCV-3A	R33	R206

EPN / DESCRIPTION / CONTRACT	MFG / MODEL / LEVEL	EC	USE	SAFETY FUNCTION	BLDG ELEV / A/E DRAWING	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TB	HL	TEST	ANL EQ	C	FREQ / ROOM	ACCURACY	AGING	DBE	C	HOURS / COMPOSITE EPN
CAC-EHO-FCV/3B	I206					A	T		110004	P	Y	21	00		09					4320
ELECTRO-HYD OPER FOR CAC-FCV-3B	NH41J4002F2118				R 494 J.0/7.4				R31											
42A	2	A	1	0 D	M554	C6													CAC-ECV-3B	
CAC-EHO-FCV/4A	I206					A	T		110004	P	Y	21	00		09					4320
ELECTRO-HYD OPER FOR CAC-FCV-4A	NH91J4002F2L18				R 495 8.2/M.6				R33	R214										
42A	2	A	1	0 D	M554	E11													CAC-FCV-4A	
CAC-EHO-FCV/4B	I206					A	T		110004	P	Y	21	00		09					4320
ELECTRO-HYD OPER FOR CAC-FCV-4B	NH91J4002F2L18				R 493 N.4/6.0				R33	R206										
42A	2	A	1	0 D	M554	E6													CAC-FCV-4B	
CAC-EHO-FCV/5A	I206					A	T		110004	P	Y	21	00		09					4320
EHO FOR CAC-FCV-5A	NH91H4070F3L16				R 572 M.6/6.5				R73											
71	2	A	1	0 D	M554	F14														
CAC-EHO-FCV/5B	I206					A	T		110004	P	Y	21	00		09					4320
EHO FOR CAC-FCV-5B	NH91H4070F3L16				R 573 M.5/7.5				R73											
71	2	A	1	0 D	M554	F2														
CAC-EHO-FCV/6A	I206					A	T		110001	P	Y	21	00		09					4320
EHO FOR CAC-FCV-6A	NH92				R 572 M.6/6.5				R73											
71	2	A	1	0 D	M554	G12														
CAC-EHO-FCV/6B	I206					A	T		110004	P	Y	21	00		09					4320
EHO FOR CAC-FCV-6B	NH91H4070F3216				R 573 M.5/7.5				R73											
71	2	A	1	0 D	M554	G4														
CAC-EHO-TCV/4A	I206					A	T		110001	P	N	21	00		33					4320
EHO FOR CAC-TCV-4A	NH9ZH9970F3L29				R 573 M.5/6.6				R73											
71	2	A	1	0 D	M554	D12														
CAC-EHO-TCV/4B	I206					A	T		110001	P	N	21	00		33					4320
EHO FOR CAC-TCV-4B	NH92				R 573 M.5/7.4				R73											
71	2	A	1	0 D	M554	D4														
CAC-EHO-V/1A	I206					A	T		110002	P	N	21	00		33					4320
EHO FOR CAC-V-1A SAUNDERS VLV	NH95H2670F3L2				R 573 M.5/6.6				R73	R604										
71	2	A	1	0 D	M554	F15													CAC-V-1A	
CAC-EHO-V/1B	I206					A	T		110002	P	N	21	00		33					4320
EHO FOR CAC-V-1B SAUNDERS VLV	NH95H2670F3L2				R 573 M.5/7.4				R63											
71	2	A	1	0 D	M554	F2													CAC-V-1B	
CAC-EHO-V/2A	I206					A	T		110004	P	N	21	00		33					4320
ELECTRO HYD OPERATOR FOR CAC-V-2A	NH91H2070F3L2				R 573 M.5/6.6				R73											
71	2	A	1	0 D	M554	F12													CAC-V-2A	
CAC-EHO-V/2B	I206					A	T		110004	P	N	21	00		33					4320
EHO FOR CAC-V-2B SAUNDERS VLV	NH91H2070F362				R 573 M.5/7.4				R63											
71	2	A	1	0 D	M554	F4														

EPN / DESCRIPTION / CONTRACT	MFG / MODEL / LEVEL	EC	USE	SAFETY FUNCTION	BLDG ELEV / A/E DRAWING	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM / ROOM	HL	IEST	ANL	EQ	C / ACCURACY	FREQ	AGING	DBE	C	HOURS / COMPOSITE EPN
CAC-EHO-V/3A	I206					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			1DP5D22T0003PB		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			115-1GP5D22T0003PB		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 / DESCRIPTION	MFG / MODEL	STATUS / BLDG ELEV / DETAIL	S E QID / ZONE	IN HL TEST ANL FQ C EREQ / ROOM	***SEISMIC (S) PARAMETERS*** ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	A/E ZONE				
CAC-FT-4B	R369 1151-0PS022T0003P8	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	MFG / DESCRIPTION	MODEL / LEVEL	EC	USE	SAFETY FUNCTION	BLDG ELEV / A/E DRAWING	STATUS / A/E ZONE	S	E	QID	ZONE	IM	ROOM	HL	TEST	ANL	EQ	C	ACCURACY	FREQ	AGING	DBE	C	HOURS	COMPOSITE EPN
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 M.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	E10																		
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 / DESCRIPTION / CONTRACT	MFG / MODEL / LEVEL	EC	USE	SAFETY FUNCTION	BLDG ELEV / A/E DRAWING	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM / ROOM	HL	IESI	ANL	EQ	C	FREQ / ACCURACY	AGING	DBE	C	HOURS	COMPOSITE EPN
CAC-PT-68B	I204			386			A		259006												
PRESS TRANS ON CAC-MS-1B					R 572 M.5/7.4				R73												CAC-HR-1B+
71	2	A	1	0	D	M554		D03													4320
CAC-R/I-4A	B015	50-740320CAAA1					A		271001	F											
CURRENT RESET ON CAC-HR-1A					R 577 M.2/5.7																CAC-HR-1A
71	3	A	1	0	D	71-00-0104		#													4320
CAC-R/I-4B	B015	50-740320CAAA1					B	A	271001												
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													4320
CAC-RLY-1A	A500	RK225-052-CP					R	T	283011												
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													4320
CAC-RLY-1B	A500	RK225-052-CP					R	T	283011												
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													4320
CAC-RLY-2A	A500	RK225-052-CP					R	T	283011												
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													4320
CAC-RLY-2B	A500	RK225-052-CP					R	T	283011												
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													4320
CAC-RLY-3A	A500	RK225-052-CP					R	T	283011												
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													4320
CAC-RLY-3B	A500	RK225-052-CP					R	T	283011												
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													4320
CAC-RLY-4A	A500	RK225-052-CP					R	T	283011												
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													4320
CAC-RLY-4A/1234	A500	RK225-052CP					A	T	283011	Y	21	00		09							
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															4320
CAC-RLY-4B	A500	RK225-052-CP					R	T	283011												
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															4320
CAC-RLY-4B/1234	A500	RK225-052CP					A	T	283011	Y	21	00		09							
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															4320

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

EPN / DESCRIPTION / CONTRACT	MEG / MODEL / LEVEL	EC	USE	SAFETY FUNCTION	BLDG ELEV / A/E DRAWING	STATUS / DETAIL / A/E ZONE	S	E	QID	ZONE	TM	HL	TEST	ANL	EQ	C	FREQ	ROOM	ACCURACY	AGING	DBE	C	HOURS	COMPOSITE EPN
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	
0-150OF 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	
0-150OF 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	
0-120OF 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 / 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 ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
CAC-TS-3B 0-1200F ON CAC-EHC-1B 71	3	A	1 0 D	RBA/3W-400/D-X1-X4	M422 M554	R 575 M.5/8.0 E2	A A	355007 F R73	Y 21 00 R604	09	4320 E-CP-CAC/HR1B+
CAC-TS-5A 0-1500F DISCH CAC-EHC-1A 71	3	A	1 0 D	RBA/3W-400/D-X1-X4	M422 M554	R 575 M.3/5.8 E13	A A	355007 F R73	Y 21 00 R604	09	4320 E-CP-CAC/HR1A+
CAC-TS-5B E-CP-CAC/HR1B+ 71	3	A	1 0 D	RBA/3W-400/D-X1-X4	M422 M554	R 575 M.5/8.0 D2	A A	355007 F R73	Y 21 00 R604	09	4320 E-CP-CAC/HR1B+
CAC-TS-6A 0-340F DISCH CAC-MS-1A 71	3	A	1 0 D	RBA/3W-100/D-X1-X4	M422 M554	R 575 M.3/5.8 E13	A A	355007 F R73	Y 21 00 R604	09	4320 E-CP-CAC/HR1A+
CAC-TS-6B 0-340F DISCH CAC-MS-1B 71	3	A	1 0 D	RBA/3W-100/D-X1-X4	M422 M554	R 575 M.5/8.0 E4	A A	355007 F R73	Y 21 00 R604	09	4320 E-CP-CAC/HR1B+
CAC-TT-4A TEMP TRANS DISCH CAC-MS-1A 71	3	A	1 0 D	TYPE 740	B045 M554	R 575 M.0/5.8 E13	A D	357001 F R73	Y 21 00 R604	09	4320 CAC-HR-1A+
CAC-TT-4B TEMP TRANS DISCH CAC-MS-1B 71	3	A	1 0 D	B045 TYPE 740	B045 M554	R 575 M.5/8.0 E4	D	357001 F R73			4320 CAC-HR-1B+
CAS-V-453 1" SO GLOBE ROOT CTRL WW VAC BRKRS 215	2	A	2 0 B1	HV250-4	M095 M510	R 479 M.3/7.5 K8					4320 CAS-V-453+
CEP-LMS-1A LMS FOR CEP-V-1A 68	2	A	2 3 B1,F		N007 EA74080100 #	R 563 J.1/5.4 J13	A B	200015			4320 CEP-V-1A+
CEP-LMS-1B LMS FOR CEP-V-1B 68	2	A	2 3 B1,F		N007 1703100 #	R 563 J.4/5.3 J13	A B	200009			4320 CEP-V-1B+
CEP-LMS-2A LMS FOR CEP-V-2A 68	2	A	2 3 B1,F		N007 EA74080100 M543	R 558 J.1/5.4 J13	A B	200015			4320 CEP-V-2A+
CEP-LMS-2B LMS FOR CEP-V-2B 68	2	A	2 3 B1,F		N007 1703100 M543	R 559 J.4/5.3 J13	A B	200009			4320 CEP-V-2B+
CEP-LMS-3A LMS FOR CEP-V-3A 68	2	A	2 3 B1,F		N007 74080100 M543	R 491 H.4/5.4 C14	A A	200015			4320 CEP-V-3A+

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

EPN / DESCRIPTION	MFG	MODEL	STATUS S E	DID	IN	HL	TEST	ANL	EQ	C	FREQ	AGING	DBE	C	HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	A/E ZONE	DETAIL	ZONE	ROOM	ACCURACY	COMPOSITE EPN								
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	1820B1020XX	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.8/7.1		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 / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS / DETAIL	S E	QID	ZONE	ROOM	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C FREQ ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS COMPOSITE EPN
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 M.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 / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / BLDG ELEV / A/E DRAWING / A/E ZONE	STATUS S E QID / DETAIL / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ ACCURACY / ROOM	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
CIA-SPV-15B .5" SOL PILOT VLV ON N2 BTTL DISCH 215 2 A 1 0 C	M090 MV229MQ-S2 R 440 M556	T T 315023 N.1/7.0 F8	R23 R105	4320
CIA-SPV-16B .5" SOL PILOT VLV ON N2 BTTL DISCH 215 2 A 1 0 C	M090 MV229MQ-S2 R 440 M556	T T 315023 N.1/4.3 F8	R23 R105	4320
CIA-SPV-17B .5" SOL PILOT VLV ON N2 BTTL DISCH 215 2 A 1 0 C	M090 MV229MQ-S2 R 440 M556	T T 315023 N.1/7.0 F8	R23 R105	4320
CIA-SPV-18B 0.5" SOL PILOT ON N2 BOTTLE DISCH. 215 2 A 1 0 B1	M090 MV229MQ-S2 R 440 M556	T T 315023 N.1/4.3 F8	R23 R105	4320
CIA-SPV-19B .5" SOL PILOT VLV ON N2 BTTL DISCH 215 2 A 1 0 C	M090 MV229MQ-S2 R 440 M556	T T 315023 N.1/7.0 F8	R23 R105	4320
CIA-SPV-1A 0.5" SOL PILOT ON N2 BOTTLE DISCH 215 2 A 1 0 C	M090 MV229MQ-S2 R 440 M556	T T 315023 N.0/4.3 G8	R23 R105	4320
CIA-SPV-1B .5" SOL PILOT VLV ON N2 BTTL DISCH 215 2 A 1 0 C	M090 MV229MQ-S2 R 440 M556	T T 315023 N.1/7.0 F8	R23 R105	4320
CIA-SPV-2A .5" SOL PILOT VLV ON N2 BTTL DISCH 215 2 A 1 0 C	M090 MV229MQ-S2 R 440 M556	T T 315023 N.1/4.3 G8	R23 R105	4320
CIA-SPV-2B .5" SOL PILOT VLV ON N2 BTTL DISCH 215 2 A 1 0 C	M090 MV229MQ-S2 R 440 M556	T T 315023 N.1/7.0 F8	R23 R105	4320
CIA-SPV-3A .5" SOL PILOT VLV ON N2 BTTL DISCH 215 2 A 1 0 C	M090 MV229MQ-S2 R 440 M556	T T 315023 N.1/4.3 G8	R23 R105	4320
CIA-SPV-3B .5" SOL PILOT VLV ON N2 BTTL DISCH 215 2 A 1 0 C	M090 MV229MQ-S2 R 440 M556	T T 315023 N.1/7.0 F8	R23 R105	4320
CIA-SPV-4A .5" SOL PILOT VLV ON N2 BTTL DISCH 215 2 A 1 0 C	M090 MV229MQ-S2 R 440 M556	T T 315023 N.1/4.3 G8	R23 R105	4320
CIA-SPV-4B .5" SOL PILOT VLV ON N2 BTTL DISCH 215 2 A 1 0 C	M090 MV229MQ-S2 R 440 M556	T T 315023 N.1/7.0 F8	R23 R105	4320

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

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

EPN / CONTRACT	DESCRIPTION / LEVEL	MFG / EC	MODEL / USE	SAFETY FUNCTION	BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL	QID / A/E ZONE	SEISMIC (S) PARAMETERS TM HL TEST ANL FQ C / ZONE	FREQ / ROOM	ENV. (E) PARAMETERS AGING DBE C / ACCURACY	HOURS / COMPOSITE EPN
CMS-RE-27D	RAD ELEMENT ELEVATED RELEASE PT.	R220	RS-C4-1606-203		R 611 H.3/6.2	D	277005		R81		4320
928	2	A	1 3 I		M544	G3					
CMS-TE-21	REACTOR DRYWELL	H329	TC-2370-BB-A-250-TT		C 515 264 DEG AZ	D N	339002	Y	C38		4320
218	2	A	1 3 I		M543	D10					
CMS-TE-22	REACTOR DRYWELL	H329	TC-2370-BB-250-TT		C 515 276 DEG AZ	D N	339002	Y	C38		4320
218	2	A	1 3 I		M543	D10					
CMS-TE-23	REACTOR DRYWELL	H329	TC-2370-BB-A-250-TT		C 515 71 DEG AZ	D N	339002	Y	C38		4320
218	2	A	1 3 I		M543	C10					
CMS-TE-41	TE FOR SUPPRESSION POOL WATER	H329	TC-113X-T-A-24-3		C 451 2 DEG AZ	D N	339002	Y	C25		24
218	2	A	1 0 I		M543	B13					
CMS-TE-42	TE FOR SUPPRESSION POOL AIR	H329	TC-113X-T-A-24-3		C 492 225 DEG AZ	D N	339002	Y	C36		24
218	2	A	1 0 I		M543	B6					
CMS-TE-43	TE FOR SUPPRESSION POOL WATER	H329	TC-113X-T-A-24-3		C 451 225 DEG AZ	D N	339002	Y	C26		24
218	2	A	1 0 I		M543	B6					
CMS-TE-44	TE FOR SUPPRESION POOL AIR	H329	TC-113X-T-A-24-3		C 492 2 DEG AZ	D N	339002	Y	C35		24
218	2	A	1 0 I		M543	B13					
CRA-M-1A1	MOTOR FOR CRA-FN-1A1	R165	/365TCZ		C 501 62 D AZ R30	M	213039	Y	C45	CRA-FC-1A+	
67	2	A	2 3 N		M543	D12					
CRA-M-1A2	MOTOR FOR CRA-FN-1A2	R165	/444TCZ		C 501 66 D AZ R30	M	213040	Y	C45	CRA-FC-1A+	
67	2	A	2 3 N		M543	D12					
CRA-M-1B1	MOTOR FOR CRA-FN-1B1	R165	/365TCZ		C 501 182 D AZ R30	M	213039	Y	C46	CRA-FC-1B+	
67	2	A	2 3 N		M543	D11					
CRA-M-1B2	MOTOR FOR CRA-FN-1B2	R165	/444TCZ		C 501 186 D AZ R30	M	213040	Y	C56	CRA-FC-1B+	
67	2	A	2 3 N		M543	D11					
CRA-M-1C1	MOTOR FOR CRA-FN-1C1	R165	/365TCZ		C 501 271 D AZ R30	M	213039	Y	R46	CRA-FC-1C+	
67	2	A	2 3 N		M543	D9					

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

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

EPN / DESCRIPTION / CONTRACT	MFG / MODEL / LEVEL	EC	USE	SAFETY FUNCTION	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
CRD-POS-1261019 POSITION SWITCH 02C12	M302 3	A	1	0 A	R 522 L5/8.4 M528	B C4				.17 CRD-HCU-1019+
CRD-POS-1261023 POSITION SWITCH 02C12	M302 3	A	1	0 A	R 522 L5/8.4 M528	B C4				.17 CRD-HCU-1023+
CRD-POS-1261027 POSITION SWITCH 02C12	M302 3	A	1	0 A	R 522 L5/8.4 M528	B C4				.17 CRD-HCU-1027+
CRD-POS-1261031 POSITION SWITCH 02C12	M302 3	A	1	0 A	R 522 L5/8.4 M528	B C4				.17 CRD-HCU-1031+
CRD-POS-1261035 POSITION SWITCH 02C12	M302 3	A	1	0 A	R 522 K2/8.4 M528	B C4				.17 CRD-HCU-1035+
CRD-POS-1261039 POSITION SWITCH 02C12	M302 3	A	1	0 A	R 522 K2/8.4 M528	B C4				.17 CRD-HCU-1039+
CRD-POS-1261043 POSITION SWITCH 02C12	M302 3	A	1	0 A	R 522 K2/8.4 M528	B C4				.17 CRD-HCU-1043+
CRD-POS-1261047 POSITION SWITCH 02C12	M302 3	A	1	0 A	R 522 K2/8.4 M528	B C4				.17 CRD-HCU-1047+
CRD-POS-1261051 POSITION SWITCH 02C12	M302 3	A	1	0 A	R 522 K2/8.4 M528	B C4				.17 CRD-HCU-1051+
CRD-POS-1261407 POSITION SWITCH 02C12	M302 3	A	1	0 A	R 522 L5/8.4 M528	B C4				.17 CRD-HCU-1407+
CRD-POS-1261411 POSITION SWITCH 02C12	M302 3	A	1	0 A	R 522 L5/8.4 M528	B C4				.17 CRD-HCU-1411+
CRD-POS-1261415 POSITION SWITCH 02C12	M302 3	A	1	0 A	R 522 L5/8.4 M528	B C4				.17 CRD-HCU-1415+
CRD-POS-1261419 POSITION SWITCH 02C12	M302 3	A	1	0 A	R 522 L5/8.4 M528	B C4				.17 CRD-HCU-1419+

EPN / 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	FREQ / ACCURACY	ENV. (E) PARAMETERS AGING DBE C HOURS / COMPOSITE EPN
CRD-POS-1261423				M302				B				.17
POSITION SWITCH					R 522 L5/8.4							
02C12	3	A	1 0	A	M528			C4				CRD-HCU-1423+
CRD-POS-1261427				M302				B				.17
POSITION SWITCH					R 522 L5/8.4							
02C12	3	A	1 0	A	M528			C4				CRD-HCU-1427+
CRD-POS-1261431				M302				B				.17
POSITION SWITCH					R 522 L5/8.4							
02C12	3	A	1 0	A	M528			C4				CRD-HCU-1431+
CRD-POS-1261435				M302				B				.17
POSITION SWITCH					R 522 K2/8.4							
02C12	3	A	1 0	A	M528			C4				CRD-HCU-1435+
CRD-POS-1261439				M302				B				.17
POSITION SWITCH					R 522 K2/8.4							
02C12	3	A	1 0	A	M528			C4				CRD-HCU-1439+
CRD-POS-1261443				M302				B				.17
POSITION SWITCH					R 522 K2/8.4							
02C12	3	A	1 0	A	M528			C4				CRD-HCU-1443+
CRD-POS-1261447				M302				B				.17
POSITION SWITCH					R 522 K2/8.4							
02C12	3	A	1 0	A	M528			C4				CRD-HCU-1447+
CRD-POS-1261451				M302				B				.17
POSITION SWITCH					R 522 K2/8.4							
02C12	3	A	1 0	A	M528			C4				CRD-HCU-1451+
CRD-POS-1261455				M302				B				.17
POSITION SWITCH					R 522 K2/8.4							
02C12	3	A	1 0	A	M528			C4				CRD-HCU-1455+
CRD-POS-1261803				M302				B				.17
POSITION SWITCH					R 522 L5/8.4							
02C12	3	A	1 0	A	M528			C4				CRD-HCU-1803+
CRD-POS-1261807				M302				B				.17
POSITION SWITCH					R 522 L5/8.4							
02C12	3	A	1 0	A	M528			C4				CRD-HCU-1807+
CRD-POS-1261811				M302				B				.17
POSITION SWITCH					R 522 L5/8.4							
02C12	3	A	1 0	A	M528			C4				CRD-HCU-1811+
CRD-POS-1261815				M302				B				.17
POSITION SWITCH					R 522 L5/8.4							
02C12	3	A	1 0	A	M528			C4				CRD-HCU-1815+

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

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

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

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

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

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

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

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 HOURS / COMPOSITE EPN
CRD-POS-1264619		M302				B				.17
POSITION SWITCH					R 522 L5/8.4					
02C12	3	A	1 0	A	M528	C4				CRD-HCU-4619*
CRD-POS-1264623		M302				B				.17
POSITION SWITCH					R 522 L5/8.4					
02C12	3	A	1 0	A	M528	C4				CRD-HCU-4623*
CRD-POS-1264627		M302				B				.17
POSITION SWITCH					R 522 L5/8.4					
02C12	3	A	1 0	A	M528	C4				CRD-HCU-4627*
CRD-POS-1264631		M302				B				.17
POSITION SWITCH					R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4				CRD-HCU-4631*
CRD-POS-1264635		M302				B				.17
POSITION SWITCH					R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4				CRD-HCU-4635*
CRD-POS-1264639		M302				B				.17
POSITION SWITCH					R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4				CRD-HCU-4639*
CRD-POS-1264643		M302				B				.17
POSITION SWITCH					R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4				CRD-HCU-4643*
CRD-POS-1264647		M302				B				.17
POSITION SWITCH					R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4				CRD-HCU-4647*
CRD-POS-1264651		M302				B				.17
POSITION SWITCH					R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4				CRD-HCU-4651*
CRD-POS-1264655		M302				B				.17
POSITION SWITCH					R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4				CRD-HCU-4655*
CRD-POS-1265011		M302				B				.17
POSITION SWITCH					R 522 L5/8.4					
02C12	3	A	1 0	A	M528	C4				CRD-HCU-5011*
CRD-POS-1265015		M302				B				.17
POSITION SWITCH					R 522 L5/8.4					
02C12	3	A	1 0	A	M528	C4				CRD-HCU-5015*
CRD-POS-1265019		M302				B				.17
POSITION SWITCH					R 522 L5/8.4					
02C12	3	A	1 0	A	M528	C4				CRD-HCU-5019*

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

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

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

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

EPN / DESCRIPTION	MFG / MODEL	STATUS	***SEISMIC (S) PARAMETERS***	*ENV. (E) PARAMETERS*
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	BLDG ELEV DETAIL A/E ZONE	S E QID TM HL TEST ANL FO C FREQ ZONE ROOM ACCURACY	AGING DBE C HOURS COMPOSITE EPN
CRD-POS-1271807	M302	B		.17
POSITION SWITCH		R 522 L5/8.4		CRD-HCU-1807+
02C12 3 A 1 0 A	M528	C4		
CRD-POS-1271811	M302	B		.17
POSITION SWITCH		R 522 L5/8.4		CRD-HCU-1811+
02C12 3 A 1 0 A	M528	C4		
CRD-POS-1271815	M302	B		.17
POSITION SWITCH		R 522 L5/8.4		CRD-HCU-1815+
02C12 3 A 1 0 A	M528	C4		
CRD-POS-1271819	M302	B		.17
POSITION SWITCH		R 522 L5/8.4		CRD-HCU-1819+
02C12 3 A 1 0 A	M528	C4		
CRD-POS-1271823	M302	B		.17
POSITION SWITCH		R 522 L5/8.4		CRD-HCU-1823+
02C12 3 A 1 0 A	M528	C4		
CRD-POS-1271827	M302	B		.17
POSITION SWITCH		R 522 L5/8.4		CRD-HCU-1827+
02C12 3 A 1 0 A	M528	C4		
CRD-POS-1271831	M302	B		.17
POSITION SWITCH		R 522 L5/8.4		CRD-HCU-1831+
02C12 3 A 1 0 A	M528	C4		
CRD-POS-1271835	M302	B		.17
POSITION SWITCH		R 522 K2/8.4		CRD-HCU-1835+
02C12 3 A 1 0 A	M528	C4		
CRD-POS-1271839	M302	B		.17
POSITION SWITCH		R 522 K2/8.4		CRD-HCU-1839+
02C12 3 A 1 0 A	M528	C4		
CRD-POS-1271843	M302	B		.17
POSITION SWITCH		R 522 K2/8.4		CRD-HCU-1843+
02C12 3 A 1 0 A	M528	C4		
CRD-POS-1271847	M302	B		.17
POSITION SWITCH		R 522 K2/8.4		CRD-HCU-1847+
02C12 3 A 1 0 A	M528	C4		
CRD-POS-1271851	M302	B		.17
POSITION SWITCH		R 522 K2/8.4		CRD-HCU-1851+
02C12 3 A 1 0 A	M528	C4		
CRD-POS-1271855	M302	B		.17
POSITION SWITCH		R 522 K2/8.4		CRD-HCU-1855+
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 / DETAIL	S E / ZONE	QID / ROOM	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
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 / DESCRIPTION	CONTRACT	LEVEL	EC	USE	SAFETY FUNCTION	MFG / MODEL / BLDG ELEV / A/E DRAWING	STATUS / DETAIL / A/E ZONE	S E	QID / ZONE	TM HL TEST ANL FO C / ROOM	FREQ / ACCURACY	AGING DBE C / COMPOSITE EPN	HOURS
CRD-POS-1272251 POSITION SWITCH	02C12	3	A	1 0	A	M302 R 522 K2/8.4 M528	C4	B				CRD-HCU-2251+	.17
CRD-POS-1272255 POSITION SWITCH	02C12	3	A	1 0	A	M302 R 522 K2/8.4 M528	C4	B				CRD-HCU-2255+	.17
CRD-POS-1272259 POSITION SWITCH	02C12	3	A	1 0	A	M302 R 522 K2/8.4 M528	C4	B				CRD-HCU-2259+	.17
CRD-POS-1272603 POSITION SWITCH	02C12	3	A	1 0	A	M302 R 522 L5/8.4 M528	C4	B				CRD-HCU-2603+	.17
CRD-POS-1272607 POSITION SWITCH	02C12	3	A	1 0	A	M302 R 522 L5/8.4 M528	C4	B				CRD-HCU-2607+	.17
CRD-POS-1272611 POSITION SWITCH	02C12	3	A	1 0	A	M302 R 522 L5/8.4 M528	C4	B				CRD-HCU-2611+	.17
CRD-POS-1272615 POSITION SWITCH	02C12	3	A	1 0	A	M302 R 522 L5/8.4 M528	C4	B				CRD-HCU-2615+	.17
CRD-POS-1272619 POSITION SWITCH	02C12	3	A	1 0	A	M302 R 522 L5/8.4 M528	C4	B				CRD-HCU-2619+	.17
CRD-POS-1272623 POSITION SWITCH	02C12	3	A	1 0	A	M302 R 522 L5/8.4 M528	C4	B				CRD-HCU-2623+	.17
CRD-POS-1272627 POSITION SWITCH	02C12	3	A	1 0	A	M302 R 522 L5/8.4 M528	C4	B				CRD-HCU-2627+	.17
CRD-POS-1272631 POSITION SWITCH	02C12	3	A	1 0	A	M302 R 522 L5/8.4 M528	C4	B				CRD-HCU-2631+	.17
CRD-POS-1272635 POSITION SWITCH	02C12	3	A	1 0	A	M302 R 522 K2/8.4 M528	C4	B				CRD-HCU-2635+	.17
CRD-POS-1272639 POSITION SWITCH	02C12	3	A	1 0	A	M302 R 522 K2/8.4 M528	C4	B				CRD-HCU-2639+	.17

EPN / DESCRIPTION	MFG / MODEL	STATUS S E QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	BLDG ELEV DETAIL	ZONE ROOM	ACCURACY	COMPOSITE EPN
CRD-POS-1272643	M302	B		.17
POSITION SWITCH	R 522 K2/8.4			CRD-HCU-2643*
02C12 3 A 1 0 A	M528 C4			
CRD-POS-1272647	M302	B		.17
POSITION SWITCH	R 522 K2/8.4			CRD-HCU-2647*
02C12 3 A 1 0 A	M528 C4			
CRD-POS-1272651	M302	B		.17
POSITION SWITCH	R 522 K2/8.4			CRD-HCU-2651*
02C12 3 A 1 0 A	M528 C4			
CRD-POS-1272655	M302	B		.17
POSITION SWITCH	R 522 K2/8.4			CRD-HCU-2655*
02C12 3 A 1 0 A	M528 C4			
CRD-POS-1272659	M302	B		.17
POSITION SWITCH	R 522 K2/8.4			CRD-HCU-2659*
02C12 3 A 1 0 A	M528 C4			
CRD-POS-1273003	M302	B		.17
POSITION SWITCH	R 522 L5/8.4			CRD-HCU-3003*
02C12 3 A 1 0 A	M528 C4			
CRD-POS-1273007	M302	B		.17
POSITION SWITCH	R 522 L5/8.4			CRD-HCU-3007*
02C12 3 A 1 0 A	M528 C4			
CRD-POS-1273011	M302	B		.17
POSITION SWITCH	R 522 L5/8.4			CRD-HCU-3011*
02C12 3 A 1 0 A	M528 C4			
CRD-POS-1273015	M302	B		.17
POSITION SWITCH	R 522 L5/8.4			CRD-HCU-3015*
02C12 3 A 1 0 A	M528 C4			
CRD-POS-1273019	M302	B		.17
POSITION SWITCH	R 522 L5/8.4			CRD-HCU-3019*
02C12 3 A 1 0 A	M528 C4			
CRD-POS-1273023	M302	B		.17
POSITION SWITCH	R 522 L5/8.4			CRD-HCU-3023*
02C12 3 A 1 0 A	M528 C4			
CRD-POS-1273027	M302	B		.17
POSITION SWITCH	R 522 L5/8.4			CRD-HCU-3027*
02C12 3 A 1 0 A	M528 C4			
CRD-POS-1273031	M302	B		.17
POSITION SWITCH	R 522 K2/8.4			CRD-HCU-3031*
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	***SEISMIC (S) PARAMETERS*** ZONE / TM / ROOM	HL TEST ANL FQ C / ACCURACY	FREQ	*ENV. (E) PARAMETERS* AGING / COMPOSITE EPN	DBE	C	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	EC	USE	SAFETY FUNCTION	MFG / DESCRIPTION / MODEL	BLDG ELEV / A/E DRAWING	STATUS S E QID / DETAIL / A/E ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ZONE / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
CRD-POS-1273427					M302		B			.17
POSITION SWITCH						R 522 L5/8.4				CRD-HCU-3427+
02C12	3	A	1	0 A	M528	C4				
CRD-POS-1273431					M302		B			.17
POSITION SWITCH						R 522 K2/8.4				CRD-HCU-3431+
02C12	3	A	1	0 A	M528	C4				
CRD-POS-1273435					M302		B			.17
POSITION SWITCH						R 522 K2/8.4				CRD-HCU-3435+
02C12	3	A	1	0 A	M528	C4				
CRD-POS-1273439					M302		B			.17
POSITION SWITCH						R 522 K2/8.4				CRD-HCU-3439+
02C12	3	A	1	0 A	M528	C4				
CRD-POS-1273443					M302		B			.17
POSITION SWITCH						R 522 K2/8.4				CRD-HCU-3443+
02C12	3	A	1	0 A	M528	C4				
CRD-POS-1273447					M302		B			.17
POSITION SWITCH						R 522 K2/8.4				CRD-HCU-3447+
02C12	3	A	1	0 A	M528	C4				
CRD-POS-1273451					M302		B			.17
POSITION SWITCH						R 522 K2/8.4				CRD-HCU-3451+
02C12	3	A	1	0 A	M528	C4				
CRD-POS-1273455					M302		B			.17
POSITION SWITCH						R 522 K2/8.4				CRD-HCU-3455+
02C12	3	A	1	0 A	M528	C4				
CRD-POS-1273459					M302		B			.17
POSITION SWITCH						R 522 K2/8.4				CRD-HCU-3459+
02C12	3	A	1	0 A	M528	C4				
CRD-POS-1273803					M302		B			.17
POSITION SWITCH						R 522 L5/8.4				CRD-HCU-3803+
02C12	3	A	1	0 A	M528	C4				
CRD-POS-1273807					M302		B			.17
POSITION SWITCH						R 522 L5/8.4				CRD-HCU-3807+
02C12	3	A	1	0 A	M528	C4				
CRD-POS-1273811					M302		B			.17
POSITION SWITCH						R 522 L5/8.4				CRD-HCU-3811+
02C12	3	A	1	0 A	M528	C4				
CRD-POS-1273815					M302		B			.17
POSITION SWITCH						R 522 L5/8.4				CRD-HCU-3815+
02C12	3	A	1	0 A	M528	C4				

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E	BLDG ELEV / DRAWING / 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 HOURS / COMPOSITE EPN
CRD-POS-1273819		M302					B				.17
POSITION SWITCH						R 522 L5/8.4					
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3819+
CRD-POS-1273823		M302					B				.17
POSITION SWITCH						R 522 L5/8.4					
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3823+
CRD-POS-1273827		M302					B				.17
POSITION SWITCH						R 522 L5/8.4					
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3827+
CRD-POS-1273831		M302					B				.17
POSITION SWITCH						R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3831+
CRD-POS-1273835		M302					B				.17
POSITION SWITCH						R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3835+
CRD-POS-1273839		M302					B				.17
POSITION SWITCH						R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3839+
CRD-POS-1273843		M302					B				.17
POSITION SWITCH						R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3843+
CRD-POS-1273847		M302					B				.17
POSITION SWITCH						R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3847+
CRD-POS-1273851		M302					B				.17
POSITION SWITCH						R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3851+
CRD-POS-1273855		M302					B				.17
POSITION SWITCH						R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3855+
CRD-POS-1273859		M302					B				.17
POSITION SWITCH						R 522 K2/8.4					
02C12	3	A	1 0	A	M528	C4					CRD-HCU-3859+
CRD-POS-1274203		M302					B				.17
POSITION SWITCH						R 522 L5/8.4					
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4203+
CRD-POS-1274207		M302					B				.17
POSITION SWITCH						R 522 L5/8.4					
02C12	3	A	1 0	A	M528	C4					CRD-HCU-4207+

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

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

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

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

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	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING / DBE / C / HOURS / COMPOSITE EPN
CRD-POS-1275843 POSITION SWITCH 02C12	3	A	1 0	A	M302 R 522 K2/8.4 M528	B C4				.17 CRD-HCU-5843+
CRD-PS-130/0219 ACCUM PRESS 970-940 PSIG DECREAS 02C12	2	A	1 3	A	B069 B1T-GH32SS R 522 L5/8.4 M528	A B C4	256019 R53	F N 11 01		.17 CRD-HCU-0219
CRD-PS-130/0223 ACCUM PRESS 970-940 PSIG DECREAS 02C12	2	A	1 3	A	B069 B1T-GH32SS R 522 L5/8.4 M528	A B C4	256019 R53	F N 11 01		.17 CRD-HCU-0223+
CRD-PS-130/0227 ACCUM PRESS 970-940 PSIG DECREAS 02C12	2	A	1 3	A	B069 B1T-GH32SS R 522 L5/8.4 M528	A B C4	256019 R53	F N 11 01		.17 CRD-HCU-0227+
CRD-PS-130/0231 ACCUM PRESS 970-940 PSIG DECREAS 02C12	2	A	1 3	A	B069 B1T-GH32SS R 522 L5/8.4 M528	A B C4	256019 R53	F N 11 01		.17 CRD-HCU-0231+
CRD-PS-130/0235 ACCUM PRESS 970-940 PSIG DECREAS 02C12	2	A	1 3	A	B069 B1T-GH32SS R 522 K2/8.4 M528	A B C4	256019 R51	F N 11 01		.17 CRD-HCU-0235+
CRD-PS-130/0239 ACCUM PRESS 970-940 PSIG DECREAS 02C12	2	A	1 3	A	B069 B1T-GH32SS R 522 K2/8.4 M528	A B C4	256019 R51	F N 11 01		.17 CRD-HCU-0239+
CRD-PS-130/0243 ACCUM PRESS 970-940 PSIG DECREAS 02C12	2	A	1 3	A	B069 B1T-GH32SS R 522 K2/8.4 M528	A B C4	256019 R51	F N 11 01		.17 CRD-HCU-0243+
CRD-PS-130/0615 ACCUM PRESS 970-940 PSIG DECREAS 02C12	2	A	1 3	A	B069 B1T-GH32SS R 522 L5/8.4 M528	A B C4	256019 R53	F N 11 01		.17 CRD-HCU-0615+
CRD-PS-130/0619 ACCUM PRESS 970-940 PSIG DECREAS 02C12	2	A	1 3	A	B069 B1T-GH32SS R 522 L5/8.4 M528	A B C4	256019 R53	F N 11 01		.17 CRD-HCU-0619+
CRD-PS-130/0623 ACCUM PRESS 970-940 PSIG DECREAS 02C12	2	A	1 3	A	B069 B1T-GH32SS R 522 L5/8.4 M528	A B C4	256019 R53	F N 11 01		.17 CRD-HCU-0623+
CRD-PS-130/0627 ACCUM PRESS 970-940 PSIG DECREAS 02C12	2	A	1 3	A	B069 B1T-GH32SS R 522 L5/8.4 M528	A B C4	256019 R53	F N 11 01		.17 CRD-HCU-0627+
CRD-PS-130/0631 ACCUM PRESS 970-940 PSIG DECREAS 02C12	2	A	1 3	A	B069 B1T-GH32SS R 522 L5/8.4 M528	A B C4	256019 R53	F N 11 01		.17 CRD-HCU-0631+

EPN / CONTRACT	MFG / MODEL / DESCRIPTION	LEVEL	EC	USE	SAFETY FUNCTION	BLDG ELEV / A/E DRAWING	STATUS / DETAIL / A/E ZONE	S	E	QID	ZONE	TM	HL	TEST	ANL	EQ	C	FREQ / ACCURACY	AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-PS-130/0635	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-0635+
02C12	2	A	1	3	A	M528	C4															
CRD-PS-130/0639	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-0639+
02C12	2	A	1	3	A	M528	C4															
CRD-PS-130/0643	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-0643+
02C12	2	A	1	3	A	M528	C4															
CRD-PS-130/0647	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-0647+
02C12	2	A	1	3	A	M528	C4															
CRD-PS-130/1011	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-1011+
02C12	2	A	1	3	A	M528	C4															
CRD-PS-130/1015	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-1015+
02C12	2	A	1	3	A	M528	C4															
CRD-PS-130/1019	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-1019+
02C12	2	A	1	3	A	M528	C4															
CRD-PS-130/1023	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-1023+
02C12	2	A	1	3	A	M528	C4															
CRD-PS-130/1027	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-1027+
02C12	2	A	1	3	A	M528	C4															
CRD-PS-130/1031	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-1031+
02C12	2	A	1	3	A	M528	C4															
CRD-PS-130/1035	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-1035+
02C12	2	A	1	3	A	M528	C4															
CRD-PS-130/1039	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-1039+
02C12	2	A	1	3	A	M528	C4															
CRD-PS-130/1043	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-1043+
02C12	2	A	1	3	A	M528	C4															

EPN / DESCRIPTION	MFG	MODEL	STATUS	***SEISMIC (S) PARAMETERS***	*ENV. (E) PARAMETERS*
CONTRACT LEVEL EC USE SAFETY FUNCTION	BLDG ELEV A/E DRAWING	DETAIL A/E ZONE	QID ZONE	TH HL TEST ANL FQ C ROOM ACCURACY	FREQ AGING DBE C HOURS COMPOSITE EPN
CRD-PS-130/1047	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-1047+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/1051	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-1051+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/1407	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-1407+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/1411	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-1411+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/1415	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-1415+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/1419	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-1419+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/1423	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-1423+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/1427	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-1427+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/1431	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-1431+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/1435	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-1435+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/1439	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-1439+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/1443	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-1443+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/1447	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-1447+
02C12 2 A 1 3 A	M528	C4			

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

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

EPN / DESCRIPTION	MFG	MODEL	STATUS	***SEISMIC (S) PARAMETERS***	*ENV. (E) PARAMETERS*
CONTRACT LEVEL EC USE SAFETY FUNCTION	BLDG ELEV A/E DRAWING	DETAIL A/E ZONE	S E QID ZONE	TM HL TEST ANL EQ C FREQ ACCURACY	AGING DBE C HOURS COMPOSITE EPN
CRD-PS-130/2239	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-2239+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/2243	B069	B1I-GH32SS	A B 256019	F N 11 01	.17
ACCUM PRESS 970-940 PSIG DECREAS	R 522 K2/8.4	R51			CRD-HCU-2243+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/2247	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-2247+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/2251	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-2251+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/2255	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-2255+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/2259	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-2259+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/2603	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-2603+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/2607	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-2607+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/2611	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-2611+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/2615	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-2615+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/2619	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-2619+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/2623	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-2623+
02C12 2 A 1 3 A	M528	C4			
CRD-PS-130/2627	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-2627+
02C12 2 A 1 3 A	M528	C4			

EPN / CONTRACT	LEVEL	MFG / DESCRIPTION / EC	USE	SAFETY FUNCTION	MODEL / BLDG ELEV / A/E DRAWING	STATUS / DETAIL / A/E ZONE	S	E	QID / ZONE	TM	HL	TEST	ANL	FO	C	FREQ / ACCURACY	AGING	DBE	C	HOURS / COMPOSITE EPN
CRD-PS-130/2631		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-2631+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2635		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-2635+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2639		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-2639+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2643		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-2643+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2647		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-2647+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2651		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-2651+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2655		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-2655+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/2659		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-2659+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/3003		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-3003+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/3007		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-3007+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/3011		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-3011+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/3015		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-3015+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/3019		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-3019+
02C12	2	A	1 3	A	M528	C4														

EPN / DESCRIPTION / CONTRACT / LEVEL / EC / USE / SAFETY FUNCTION	MFG / MODEL / BLDG ELEV / A/E DRAWING / A/E ZONE	STATUS S E QID / DETAIL / ZONE / ROOM	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ACCURACY	*ENV. (E) PARAMETERS* FREQ / AGING / DBE / C / HOURS / COMPOSITE EPN
CRD-PS-130/3023 ACCUM PRESS 970-940 PSIG DECREAS 02C12 2 A 1 3 A	B069 B1T-GH32SS R 522 L5/8.4 M528	A B 256019 F N 11 01 R53 C4		.17 CRD-HCU-3023+
CRD-PS-130/3027 ACCUM PRESS 970-940 PSIG DECREAS 02C12 2 A 1 3 A	B069 B1T-GH32SS R 522 L5/8.4 M528	A B 256019 F N 11 01 R53 C4		.17 CRD-HCU-3027+
CRD-PS-130/3031 ACCUM PRESS 970-940 PSIG DECREAS 02C12 2 A 1 3 A	B069 B1T-GH32SS R 522 K2/3.7 M528	A B 256019 F N 11 01 R52 C4		.17 CRD-HCU-3031+
CRD-PS-130/3035 ACCUM PRESS 970-940 PSIG DECREAS 02C12 2 A 1 3 A	B069 B1T-GH32SS R 522 K2/3.7 M528	A B 256019 F N 11 01 R52 C4		.17 CRD-HCU-3035+
CRD-PS-130/3039 ACCUM PRESS 970-940 PSIG DECREAS 02C12 2 A 1 3 A	B069 B1T-GH32SS R 522 K2/3.7 M528	A B 256019 F N 11 01 R52 C4		.17 CRD-HCU-3039+
CRD-PS-130/3043 ACCUM PRESS 970-940 PSIG DECREAS 02C12 2 A 1 3 A	B069 B1T-GH32SS R 522 K2/3.7 M528	A B 256019 F N 11 01 R52 C4		.17 CRD-HCU-3043+
CRD-PS-130/3047 ACCUM PRESS 970-940 PSIG DECREAS 02C12 2 A 1 3 A	B069 B1T-GH32SS R 522 K2/3.7 M528	A B 256019 F N 11 01 R52 C4		.17 CRD-HCU-3047+
CRD-PS-130/3051 ACCUM PRESS 970-940 PSIG DECREAS 02C12 2 A 1 3 A	B069 B1T-GH32SS R 522 K2/3.7 M528	A B 256019 F N 11 01 R52 C4		.17 CRD-HCU-3051+
CRD-PS-130/3055 ACCUM PRESS 970-940 PSIG DECREAS 02C12 2 A 1 3 A	B069 B1T-GH32SS R 522 K2/3.7 M528	A B 256019 F N 11 01 R52 C4		.17 CRD-HCU-3055+
CRD-PS-130/3059 ACCUM PRESS 970-940 PSIG DECREAS 02C12 2 A 1 3 A	B069 B1T-GH32SS R 522 K2/3.7 M528	A B 256019 F N 11 01 R52 C4		.17 CRD-HCU-3059+
CRD-PS-130/3403 ACCUM PRESS 970-940 PSIG DECREAS 02C12 2 A 1 3 A	B069 B1T-GH32SS R 522 L5/3.7 M528	A B 256019 F N 11 01 R53 C4		.17 CRD-HCU-3403+
CRD-PS-130/3407 ACCUM PRESS 970-940 PSIG DECREAS 02C12 2 A 1 3 A	B069 B1T-GH32SS R 522 L5/3.7 M528	A B 256019 F N 11 01 R53 C4		.17 CRD-HCU-3407+
CRD-PS-130/3411 ACCUM PRESS 970-940 PSIG DECREAS 02C12 2 A 1 3 A	B069 B1T-GH32SS R 522 L5/3.7 M528	A B 256019 F N 11 01 R53 C4		.17 CRD-HCU-3411+

EPN / DESCRIPTION / CONTRACT	MFG / MODEL / LEVEL	EC	USE	SAFETY FUNCTION	BLDG ELEV / A/E DRAWING / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	TM / ROOM	HL TEST ANL FO C / ACCURACY	***SEISMIC (S) PARAMETERS*** FREQ / COMPOSITE EPN	*ENV. (E) PARAMETERS* AGING DBE C / HOURS
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 / DESCRIPTION / CONTRACT / LEVEL / EC / USE / SAFETY FUNCTION	MFG / MODEL / BLDG ELEV / A/E DRAWING / A/E ZONE	STATUS / S E / QID / DETAIL / ZONE / ROOM	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ACCURACY	*ENV. (E) PARAMETERS* FREQ / AGING / DBE / C / HOURS / COMPOSITE EPN
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 / DESCRIPTION	MFG	MODEL	BLDG ELEV	STATUS S E	QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C	FREQ	*ENV. (E) PARAMETERS* AGING DBE C	HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	A/E ZONE	DETAIL	ZONE	ROOM	ACCURACY	COMPOSITE EPN		
CRD-PS-130/3859	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-3859+		
02C12 2 A 1 3 A	M528	C4							
CRD-PS-130/4203	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-4203+		
02C12 2 A 1 3 A	M528	C4							
CRD-PS-130/4207	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-4207+		
02C12 2 A 1 3 A	M528	C4							
CRD-PS-130/4211	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-4211+		
02C12 2 A 1 3 A	M528	C4							
CRD-PS-130/4215	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-4215+		
02C12 2 A 1 3 A	M528	C4							
CRD-PS-130/4219	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-4219+		
02C12 2 A 1 3 A	M528	C4							
CRD-PS-130/4223	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-4223+		
02C12 2 A 1 3 A	M528	C4							
CRD-PS-130/4227	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-4227+		
02C12 2 A 1 3 A	M528	C4							
CRD-PS-130/4231	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-4231+		
02C12 2 A 1 3 A	M528	C4							
CRD-PS-130/4235	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-4235+		
02C12 2 A 1 3 A	M528	C4							
CRD-PS-130/4239	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-4239+		
02C12 2 A 1 3 A	M528	C4							
CRD-PS-130/4243	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-4243+		
02C12 2 A 1 3 A	M528	C4							
CRD-PS-130/4247	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-4247+		
02C12 2 A 1 3 A	M528	C4							

EPN / DESCRIPTION	MFG	MODEL	BLDG ELEV	STATUS S E	QID	***SEISMIC (S) PARAMETERS*** TM	HL	TEST	ANL	FQ	C	FREQ ACCURACY	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION			A/E DRAWING	DETAIL	ZONE	ROOM						COMPOSITE EPN				
CRD-PS-130/4251	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-4251+				
02C12 2 A 1 3 A			M528	C4												
CRD-PS-130/4255	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-4255+				
02C12 2 A 1 3 A			M528	C4												
CRD-PS-130/4259	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-4259+				
02C12 2 A 1 3 A			M528	C4												
CRD-PS-130/4607	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-4607+				
02C12 2 A 1 3 A			M528	C4												
CRD-PS-130/4611	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-4611+				
02C12 2 A 1 3 A			M528	C4												
CRD-PS-130/4615	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-4615+				
02C12 2 A 1 3 A			M528	C4												
CRD-PS-130/4619	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-4619+				
02C12 2 A 1 3 A			M528	C4												
CRD-PS-130/4623	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-4623+				
02C12 2 A 1 3 A			M528	C4												
CRD-PS-130/4627	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-4627+				
02C12 2 A 1 3 A			M528	C4												
CRD-PS-130/4631	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-4631+				
02C12 2 A 1 3 A			M528	C4												
CRD-PS-130/4635	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-4635+				
02C12 2 A 1 3 A			M528	C4												
CRD-PS-130/4639	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-4639+				
02C12 2 A 1 3 A			M528	C4												
CRD-PS-130/4643	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-4643+				
02C12 2 A 1 3 A			M528	C4												

EPN / CONTRACT	MFG / LEVEL	DESCRIPTION / EC	MODEL / USE	SAFETY FUNCTION	BLDG ELEV / A/E DRAWING	STATUS / A/E ZONE	S E	QID / DETAIL	TM / ZONE	HL / ROOM	TEST	ANL	FO	C / ACCURACY	FREQ	AGING	DBE	C	HOURS	COMPOSITE EPN
CRD-PS-130/4647		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-4647+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/4651		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-4651+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/4655		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-4655+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/5011		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-5011+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/5015		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-5015+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/5019		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-5019+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/5023		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-5023+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/5027		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-5027+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/5031		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-5031+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/5035		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-5035+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/5039		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-5039+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/5043		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-5043+
02C12	2	A	1 3	A	M528	C4														
CRD-PS-130/5047		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-5047+
02C12	2	A	1 3	A	M528	C4														

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

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG	ELEV / A/E ZONE	STATUS S	E	QID / DETAIL	ZONE	ROOM	***SEISMIC (S) PARAMETERS*** TM	HL	TEST	ANL	EQ	C	FREQ ACCURACY	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS COMPOSITE EPN
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 / DESCRIPTION / CONTRACT	MFG / MODEL / LEVEL	EC	USE	SAFETY FUNCTION	BLDG ELEV / A/E DRAWING	STATUS S E QID / DETAIL / A/E ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ZONE / ROOM	FREQ ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
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	EC	USE	SAFETY FUNCTION	MFG / MODEL / DESCRIPTION	BLDG	ELEV	A/E DRAWING	A/E ZONE	STATUS S	E	QID	SEISMIC (S) PARAMETERS: TM	HL	TEST	ANL	FO	C	ZONE	ROOM	FREQ ACCURACY	ENV. (E) PARAMETERS: AGING	DBE	C	HOURS	COMPOSITE EPN
CRD-SV-117/1435				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-117/1439				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-117/1443				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-117/1447				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-117/1451				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-117/1455				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-117/1803				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-117/1807				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-117/1811				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-117/1815				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																			
CRD-SV-117/1819				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-117/1823				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-117/1827				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																			

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

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

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

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 EQ C / ROOM	FREQ / ACCURACY	ENV. (E) PARAMETERS AGING DBE C HOURS / COMPOSITE EPN
CRD-SV-117/4235			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-117/4239			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-117/4243			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-117/4247			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-117/4251			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-117/4259			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-117/4607			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-117/4611			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-117/4615			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					
CRD-SV-117/4619			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-117/4623			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-117/4627			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-117/4631			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					

EPN / DESCRIPTION	MFG / MODEL	STATUS S E	QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	BLDG ELEV DETAIL A/E ZONE	ZONE ROOM	ACCURACY	COMPOSITE EPN
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 / DESCRIPTION	MFG / MODEL	STATUS S E QID TM HL TEST ANL FQ C	***SEISMIC (S) PARAMETERS*** FREQ	*ENV. (E) PARAMETERS* AGING OBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	BLDG ELEV DRAWING A/E	DETAIL A/E ZONE	ZONE ROOM ACCURACY	COMPOSITE EPN
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	MFG / EC	USE	DESCRIPTION / SAFETY FUNCTION	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-117/5819		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 / DESCRIPTION	MFG / MODEL	STATUS S E QIO	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	BLDG ELEV A/E ZONE	ZONE ROOM ACCURACY	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		CRD-HCU-0239*
02C12 2 A 1 3 A	M528	D2		
CRD-SV-118/0243	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-118/0615	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		
CRD-SV-118/0619	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-118/0623	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-118/0627	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-118/0631	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-118/0635	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-118/0639	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-118/0643	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-118/0647	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-118/1011	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-118/1015	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		

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

EPN / CONTRACT	MFG / MODEL / DESCRIPTION	LEVEL	EC	USE	SAFETY FUNCTION	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 HOURS / COMPOSITE EPN
CRD-SV-118/2603	A610 HVA904052-J SCRAM SOLENOID PILOT CRD-V-126&127	2	A	1 3	A	R 522 L5/8.4 M528	A A D2	315020			1.0 CRD-HCU-2603*
CRD-SV-118/2607	A610 HVA904052-J SCRAM SOLENOID PILOT CRD-V-126&127	2	A	1 3	A	R 522 L5/8.4 M528	A A D2	315020			1.0 CRD-HCU-2607*
CRD-SV-118/2611	A610 HVA904052-J SCRAM SOLENOID PILOT CRD-V-126&127	2	A	1 3	A	R 522 L5/8.4 M528	A A D2	315020			1.0 CRD-HCU-2611*
CRD-SV-118/2615	A610 HVA904052-J SCRAM SOLENOID PILOT CRD-V-126&127	2	A	1 3	A	R 522 L5/8.4 M528	A A D2	315020			1.0 CRD-HCU-2615*
CRD-SV-118/2619	A610 HVA904052-J SCRAM SOLENOID PILOT CRD-V-126&127	2	A	1 3	A	R 522 L5/8.4 M528	A A D2	315020			1.0 CRD-HCU-2619*
CRD-SV-118/2623	A610 HVA904052-J SCRAM SOLENOID PILOT CRD-V-126&127	2	A	1 3	A	R 522 L5/8.4 M528	A A D2	315020			1.0 CRD-HCU-2623*
CRD-SV-118/2627	A610 HVA904052-J SCRAM SOLENOID PILOT CRD-V-126&127	2	A	1 3	A	R 522 L5/8.4 M528	A A D2	315020			1.0 CRD-HCU-2627*
CRD-SV-118/2631	A610 HVA904052-J SCRAM SOLENOID PILOT CRD-V-126&127	2	A	1 3	A	R 522 L5/8.4 M528	A A D2	315020			1.0 CRD-HCU-2631*
CRD-SV-118/2635	A610 HVA904052-J SCRAM SOLENOID PILOT CRD-V-126&127	2	A	1 3	A	R 522 K2/8.4 M528	A A D2	315020			1.0 CRD-HCU-2635*
CRD-SV-118/2639	A610 HVA904052-J SCRAM SOLENOID PILOT CRD-V-126&127	2	A	1 3	A	R 522 K2/8.4 M528	A A D2	315020			1.0 CRD-HCU-2639*
CRD-SV-118/2643	A610 HVA904052-J SCRAM SOLENOID PILOT CRD-V-126&127	2	A	1 3	A	R 522 K2/8.4 M528	A A D2	315020			1.0 CRD-HCU-2643*
CRD-SV-118/2647	A610 HVA904052-J SCRAM SOLENOID PILOT CRD-V-126&127	2	A	1 3	A	R 522 K2/8.4 M528	A A D2	315020			1.0 CRD-HCU-2647*
CRD-SV-118/2651	A610 HVA904052-J SCRAM SOLENOID PILOT CRD-V-126&127	2	A	1 3	A	R 522 K2/8.4 M528	A A D2	315020			1.0 CRD-HCU-2651*

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 EQ C / ROOM	FREQ / ACCURACY	*ENV* (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-118/2655					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-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 / DESCRIPTION	MFG / MODEL	BLDG ELEV / DETAIL / ZONE	STATUS S E QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS COMPOSITE EPN
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	A/E ZONE	ZONE ROOM		
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 / DESCRIPTION	MFG	MODEL	BLDG ELEV / A/E DRAWING	STATUS S E QID / DETAIL / A/E ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ZONE	FREQ / ROOM	*ENV. (E) PARAMETERS* AGING DBE C HOURS / ACCURACY	COMPOSITE EPN
CONTRACT LEVEL EC USE SAFETY FUNCTION								
CRD-SV-118/3439	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-118/3443	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-118/3447	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				
CRD-SV-118/3451	A610	HVA904052-J		A A 315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127			R 522 K2/8.4					CRD-HCU-3451+
02C12 2 A 1 3 A			M528	D2				
CRD-SV-118/3455	A610	HVA904052-J		A A 315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127			R 522 K2/8.4					CRD-HCU-3455+
02C12 2 A 1 3 A			M528	D2				
CRD-SV-118/3459	A610	HVA904052-J		A A 315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127			R 522 K2/8.4					CRD-HCU-3459+
02C12 2 A 1 3 A			M528	D2				
CRD-SV-118/3803	A610	HVA904052-J		A A 315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127			R 522 L5/8.4					CRD-HCU-3803+
02C12 2 A 1 3 A			M528	D2				
CRD-SV-118/3807	A610	HVA904052-J		A A 315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127			R 522 L5/8.4					CRD-HCU-3807+
02C12 2 A 1 3 A			M528	D2				
CRD-SV-118/3811	A610	HVA904052-J		A A 315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127			R 522 L5/8.4					CRD-HCU-3811+
02C12 2 A 1 3 A			M528	D2				
CRD-SV-118/3815	A610	HVA904052-J		A A 315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127			R 522 L5/8.4					CRD-HCU-3815+
02C12 2 A 1 3 A			M528	D2				
CRD-SV-118/3819	A610	HVA904052-J		A A 315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127			R 522 L5/8.4					CRD-HCU-3819+
02C12 2 A 1 3 A			M528	D2				
CRD-SV-118/3823	A610	HVA904052-J		A A 315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127			R 522 L5/8.4					CRD-HCU-3823+
02C12 2 A 1 3 A			M528	D2				
CRD-SV-118/3827	A610	HVA904052-J		A A 315020				1.0
SCRAM SOLENOID PILOT CRD-V-126&127			R 522 L5/8.4					CRD-HCU-3827+
02C12 2 A 1 3 A			M528	D2				

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

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

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

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
CRD-SV-120/3035		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-3035*
CRD-SV-120/3039		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-3039*
CRD-SV-120/3043		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-3043*
CRD-SV-120/3047		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-3047*
CRD-SV-120/3051		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-3051*
CRD-SV-120/3055		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-3055*
CRD-SV-120/3059		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-3059*
CRD-SV-120/3403		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-3403*
CRD-SV-120/3407		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-3407*
CRD-SV-120/3411		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-3411*
CRD-SV-120/3415		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-3415*
CRD-SV-120/3419		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-3419*
CRD-SV-120/3423		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-3423*

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

EPN / DESCRIPTION / CONTRACT · LEVEL · EC · USE · SAFETY FUNCTION	MFG / MODEL / BLDG ELEV / A/E DRAWING / A/E ZONE	STATUS S E QID / DETAIL / ZONE / ROOM	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL EQ C FREQ ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
CRD-SV-120/4211 .5"SOLENOID WITHDRAW EXHAUST VALVE 02C12 2 A 2 0 A,B1	A610 HVA1709662A R 522 L5/8.4 M528	A B 324007 C4		4320 CRD-HCU-4211+
CRD-SV-120/4215 .5"SOLENOID WITHDRAW EXHAUST VALVE 02C12 2 A 2 0 A,B1	A610 HVA1709662A R 522 L5/8.4 M528	A B 324007 C4		4320 CRD-HCU-4215+
CRD-SV-120/4219 .5"SOLENOID WITHDRAW EXHAUST VALVE 02C12 2 A 2 0 A,B1	A610 HVA1709662A R 522 L5/8.4 M528	A B 324007 C4		4320 CRD-HCU-4219+
CRD-SV-120/4223 .5"SOLENOID WITHDRAW EXHAUST VALVE 02C12 2 A 2 0 A,B1	A610 HVA1709662A R 522 L5/8.4 M528	A B 324007 C4		4320 CRD-HCU-4223+
CRD-SV-120/4227 .5"SOLENOID WITHDRAW EXHAUST VALVE 02C12 2 A 2 0 A,B1	A610 HVA1709662A R 522 L5/8.4 M528	A B 324007 C4		4320 CRD-HCU-4227+
CRD-SV-120/4231 .5"SOLENOID WITHDRAW EXHAUST VALVE 02C12 2 A 2 0 A,B1	A610 HVA1709662A R 522 K2/8.4 M528	A B 324007 C4		4320 CRD-HCU-4231+
CRD-SV-120/4235 .5"SOLENOID WITHDRAW EXHAUST VALVE 02C12 2 A 2 0 A,B1	A610 HVA1709662A R 522 K2/8.4 M528	A B 324007 C4		4320 CRD-HCU-4235+
CRD-SV-120/4239 .5"SOLENOID WITHDRAW EXHAUST VALVE 02C12 2 A 2 0 A,B1	A610 HVA1709662A R 522 K2/8.4 M528	A B 324007 C4		4320 CRD-HCU-4239+
CRD-SV-120/4243 .5"SOLENOID WITHDRAW EXHAUST VALVE 02C12 2 A 2 0 A,B1	A610 HVA1709662A R 522 K2/8.4 M528	A B 324007 C4		4320 CRD-HCU-4243+
CRD-SV-120/4247 .5"SOLENOID WITHDRAW EXHAUST VALVE 02C12 2 A 2 0 A,B1	A610 HVA1709662A R 522 K2/8.4 M528	A B 324007 C4		4320 CRD-HCU-4247+
CRD-SV-120/4251 .5"SOLENOID WITHDRAW EXHAUST VALVE 02C12 2 A 2 0 A,B1	A610 HVA1709662A R 522 K2/8.4 M528	A B 324007 C4		4320 CRD-HCU-4251+
CRD-SV-120/4255 .5"SOLENOID WITHDRAW EXHAUST VALVE 02C12 2 A 2 0 A,B1	A610 HVA1709662A R 522 K2/8.4 M528	A B 324007 C4		4320 CRD-HCU-4255+
CRD-SV-120/4259 .5"SOLENOID WITHDRAW EXHAUST VALVE 02C12 2 A 2 0 A,B1	A610 HVA1709662A R 522 K2/8.4 4528	A B 324007 C4		4320 CRD-HCU-4259+

EPN / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / BLDG ELEV A/E DRAWING	STATUS S E QID DETAIL A/E ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ ZONE ROOM ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS COMPOSITE 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	MFG / DESCRIPTION	MODEL	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
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,81	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,81	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,81	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,81	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,81	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,81	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,81	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,81	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,81	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,81	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,81	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,81	M528	C4				

EPN / DESCRIPTION	MFG / MODEL	BLDG ELEV / DETAIL	STATUS S E	QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	A/E ZONE	ZONE	ROOM	ACCURACY	COMPOSITE EPN
CRD-SV-120/5423	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-5423+	
CRD-SV-120/5427	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-5427+	
CRD-SV-120/5431	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-5431+	
CRD-SV-120/5435	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-5435+	
CRD-SV-120/5439	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-5439+	
CRD-SV-120/5443	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-5443+	
CRD-SV-120/5447	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-5447+	
CRD-SV-120/5819	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-5819+	
CRD-SV-120/5823	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-5823+	
CRD-SV-120/5827	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-5827+	
CRD-SV-120/5831	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-5831+	
CRD-SV-120/5835	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-5835+	
CRD-SV-120/5839	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-5839+	

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

CONTRACT / LEVEL / EC / USE / SAFETY FUNCTION

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

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

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

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

EPN / DESCRIPTION	MFG	MODEL	STATUS S E QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	BLDG ELEV A/E	DRAWING	DETAIL A/E ZONE	ZONE ROOM ACCURACY	COMPOSITE EPN
CRD-SV-121/4647	A610	HVA1709662A	A B 324007		4320
.5"SOLENOID INSERT EXHAUST VALVE	R	522 K2/8.4			
02C12 2 A 2 0 A.31	M528		C4		CRD-HCU-4647+
CRD-SV-121/4651	A610	HVA1709662A	A B 324007		4320
.5"SOLENOID INSERT EXHAUST VALVE	R	522 K2/8.4			
02C12 2 A 2 0 A.81	M528		C4		CRD-HCU-4651+
CRD-SV-121/4655	A610	HVA1709662A	A B 324007		4320
.5"SOLENOID INSERT EXHAUST VALVE	R	522 K2/8.4			
02C12 2 A 2 0 A.81	M528		C4		CRD-HCU-4655+
CRD-SV-121/5011	A610	HVA1709662A	A B 324007		4320
.5"SOLENOID INSERT EXHAUST VALVE	R	522 L5/8.4			
02C12 2 A 2 0 A.81	M528		C4		CRD-HCU-5011+
CRD-SV-121/5015	A610	HVA1709662A	A B 324007		4320
.5"SOLENOID INSERT EXHAUST VALVE	R	522 L5/8.4			
02C12 2 A 2 0 A.81	M528		C4		CRD-HCU-5015+
CRD-SV-121/5019	A610	HVA1709662A	A B 324007		4320
.5"SOLENOID INSERT EXHAUST VALVE	R	522 L5/8.4			
02C12 2 A 2 0 A.81	M528		C4		CRD-HCU-5019+
CRD-SV-121/5023	A610	HVA1709662A	A B 324007		4320
.5"SOLENOID INSERT EXHAUST VALVE	R	522 L5/8.4			
02C12 2 A 2 0 A.81	M528		C4		CRD-HCU-5023+
CRD-SV-121/5027	A610	HVA1709662A	A B 324007		4320
.5"SOLENOID INSERT EXHAUST VALVE	R	522 L5/8.4			
02C12 2 A 2 0 A.81	M528		C4		CRD-HCU-5027+
CRD-SV-121/5031	A610	HVA1709662A	A B 324007		4320
.5"SOLENOID INSERT EXHAUST VALVE	R	522 K2/8.4			
02C12 2 A 2 0 A.81	M528		C4		CRD-HCU-5031+
CRD-SV-121/5035	A610	HVA1709662A	A B 324007		4320
.5"SOLENOID INSERT EXHAUST VALVE	R	522 K2/8.4			
02C12 2 A 2 0 A.81	M528		C4		CRD-HCU-5035+
CRD-SV-121/5039	A610	HVA1709662A	A B 324007		4320
.5"SOLENOID INSERT EXHAUST VALVE	R	522 K2/8.4			
02C12 2 A 2 0 A.81	M528		C4		CRD-HCU-5039+
CRD-SV-121/5043	A610	HVA1709662A	A B 324007		4320
.5"SOLENOID INSERT EXHAUST VALVE	R	522 K2/8.4			
02C12 2 A 2 0 A.81	M528		C4		CRD-HCU-5043+
CRD-SV-121/5047	A610	HVA1709662A	A B 324007		4320
.5"SOLENOID INSERT EXHAUST VALVE	R	522 K2/8.4			
02C12 2 A 2 0 A.81	M528		C4		CRD-HCU-5047+

EPN / CONTRACT	LEVEL	MFG / DESCRIPTION / EC	USE	MODEL / SAFETY FUNCTION	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 / COMPOSITE EPN	HOURS
CRD-SV-121/5051		A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE					R	522 K2/8.4				CRD-HCU-5051*	
02C12	2	A	2 0	A,B1	M528	C4					
CRD-SV-121/5415		A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE					R	522 L5/8.4				CRD-HCU-5415*	
02C12	2	A	2 0	A,B1	M528	C4					
CRD-SV-121/5419		A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE					R	522 L5/8.4				CRD-HCU-5419*	
02C12	2	A	2 0	A,B1	M528	C4					
CRD-SV-121/5423		A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE					R	522 L5/8.4				CRD-HCU-5423*	
02C12	2	A	2 0	A,B1	M528	C4					
CRD-SV-121/5427		A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE					R	522 L5/8.4				CRD-HCU-5427*	
02C12	2	A	2 0	A,B1	M528	C4					
CRD-SV-121/5431		A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE					R	522 K2/8.4				CRD-HCU-5431*	
02C12	2	A	2 0	A,B1	M528	C4					
CRD-SV-121/5435		A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE					R	522 K2/8.4				CRD-HCU-5435*	
02C12	2	A	2 0	A,B1	M528	C4					
CRD-SV-121/5439		A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE					R	522 K2/8.4				CRD-HCU-5439*	
02C12	2	A	2 0	A,B1	M528	C4					
CRD-SV-121/5443		A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE					R	522 K2/8.4				CRD-HCU-5443*	
02C12	2	A	2 0	A,B1	M528	C4					
CRD-SV-121/5447		A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE					R	522 K2/8.4				CRD-HCU-5447*	
02C12	2	A	2 0	A,B1	M528	C4					
CRD-SV-121/5819		A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE					R	522 L5/8.4				CRD-HCU-5819*	
02C12	2	A	2 0	A,B1	M528	C4					
CRD-SV-121/5823		A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE					R	522 L5/8.4				CRD-HCU-5823*	
02C12	2	A	2 0	A,B1	M528	C4					
CRD-SV-121/5827		A610		HVA1709662A		A B	324007				4320
.5"SOLENOID INSERT EXHAUST VALVE					R	522 L5/8.4				CRD-HCU-5827*	
02C12	2	A	2 0	A,B1	M528	C4					

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

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

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

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

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

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

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

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

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

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

EPN / DESCRIPTION / CONTRACT / LEVEL	MFG / MODEL / EC / USE / SAFETY FUNCTION	BLDG ELEV / A/E DRAWING / 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-123/2223 .5"SOLENOID INSERT DRIVE VALVE 02C12 2	A610 HVA1709662A A 2 0 A,B1	R 522 L5/8.4 M528 C4	A B 324007			CRD-HCU-2223+	4320
CRD-SV-123/2227 .5"SOLENOID INSERT DRIVE VALVE 02C12 2	A610 HVA1709662A A 2 0 A,B1	R 522 L5/8.4 M528 C4	A B 324007			CRD-HCU-2227+	4320
CRD-SV-123/2231 .5"SOLENOID INSERT DRIVE VALVE 02C12 2	A610 HVA1709662A A 2 0 A,B1	R 522 L5/8.4 M528 C4	A B 324007			CRD-HCU-2231+	4320
CRD-SV-123/2235 .5"SOLENOID INSERT DRIVE VALVE 02C12 2	A610 HVA1709662A A 2 0 A,B1	R 522 K2/8.4 M528 C4	A B 324007			CRD-HCU-2235+	4320
CRD-SV-123/2239 .5"SOLENOID INSERT DRIVE VALVE 02C12 2	A610 HVA1709662A A 2 0 A,B1	R 522 K2/8.4 M528 C4	A B 324007			CRD-HCU-2239+	4320
CRD-SV-123/2243 .5"SOLENOID INSERT DRIVE VALVE 02C12 2	A610 HVA1709662A A 2 0 A,B1	R 522 K2/8.4 M528 C4	A B 324007			CRD-HCU-2243+	4320
CRD-SV-123/2247 .5"SOLENOID INSERT DRIVE VALVE 02C12 2	A610 HVA1709662A A 2 0 A,B1	R 522 K2/8.4 M528 C4	A B 324007			CRD-HCU-2247+	4320
CRD-SV-123/2251 .5"SOLENOID INSERT DRIVE VALVE 02C12 2	A610 HVA1709662A A 2 0 A,B1	R 522 K2/8.4 M528 C4	A B 324007			CRD-HCU-2251+	4320
CRD-SV-123/2255 .5"SOLENOID INSERT DRIVE VALVE 02C12 2	A610 HVA1709662A A 2 0 A,B1	R 522 K2/8.4 M528 C4	A B 324007			CRD-HCU-2255+	4320
CRD-SV-123/2259 .5"SOLENOID INSERT DRIVE VALVE 02C12 2	A610 HVA1709662A A 2 0 A,B1	R 522 K2/8.4 M528 C4	A B 324007			CRD-HCU-2259+	4320
CRD-SV-123/2603 .5"SOLENOID INSERT DRIVE VALVE 02C12 2	A610 HVA1709662A A 2 0 A,B1	R 522 L5/8.4 M528 C4	A B 324007			CRD-HCU-2603+	4320
CRD-SV-123/2607 .5"SOLENOID INSERT DRIVE VALVE 02C12 2	A610 HVA1709662A A 2 0 A,B1	R 522 L5/8.4 M528 C4	A B 324007			CRD-HCU-2607+	4320
CRD-SV-123/2611 .5"SOLENOID INSERT DRIVE VALVE 02C12 2	A610 HVA1709662A A 2 0 A,B1	R 522 L5/8.4 M528 C4	A B 324007			CRD-HCU-2611+	4320

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*** IN HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	HOURS
CRD-SV-123/2615					A610 HVA1709662A	A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 L5/8.4					CRD-HCU-2615+	
02C12	2	A	2	0 A,B1	M528	C4					
CRD-SV-123/2619					A610 HVA1709662A	A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 L5/8.4					CRD-HCU-2619+	
02C12	2	A	2	0 A,B1	M528	C4					
CRD-SV-123/2623					A610 HVA1709662A	A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 L5/8.4					CRD-HCU-2623+	
02C12	2	A	2	0 A,B1	M528	C4					
CRD-SV-123/2627					A610 HVA1709662A	A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 L5/8.4					CRD-HCU-2627+	
02C12	2	A	2	0 A,B1	M528	C4					
CRD-SV-123/2631					A610 HVA1709662A	A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 L5/8.4					CRD-HCU-2631+	
02C12	2	A	2	0 A,B1	M528	C4					
CRD-SV-123/2635					A610 HVA1709662A	A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 K2/8.4					CRD-HCU-2635+	
02C12	2	A	2	0 A,B1	M528	C4					
CRD-SV-123/2639					A610 HVA1709662A	A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 K2/8.4					CRD-HCU-2639+	
02C12	2	A	2	0 A,B1	M528	C4					
CRD-SV-123/2643					A610 HVA1709662A	A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 K2/8.4					CRD-HCU-2643+	
02C12	2	A	2	0 A,B1	M528	C4					
CRD-SV-123/2647					A610 HVA1709662A	A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 K2/8.4					CRD-HCU-2647+	
02C12	2	A	2	0 A,B1	M528	C4					
CRD-SV-123/2651					A610 HVA1709662A	A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 K2/8.4					CRD-HCU-2651+	
02C12	2	A	2	0 A,B1	M528	C4					
CRD-SV-123/2655					A610 HVA1709662A	A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 K2/8.4					CRD-HCU-2655+	
02C12	2	A	2	0 A,B1	M528	C4					
CRD-SV-123/2659					A610 HVA1709662A	A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 K2/8.4					CRD-HCU-2659+	
02C12	2	A	2	0 A,B1	M528	C4					
CRD-SV-123/3003					A610 HVA1709662A	A B	324007				4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 L5/8.4					CRD-HCU-3003+	
02C12	2	A	2	0 A,B1	M528	C4					

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

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

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	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
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	STATUS / DETAIL	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-SV-123/3843		A610			HVA1709662A		A	B	324007			4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 K2/8.4							CRD-HCU-3843+
02C12	2	A	2	0 A,B1	M528	C4						
CRD-SV-123/3847		A610			HVA1709662A		A	B	324007			4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 K2/8.4							CRD-HCU-3847+
02C12	2	A	2	0 A,B1	M528	C4						
CRD-SV-123/3851		A610			HVA1709662A		A	B	324007			4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 K2/8.4							CRD-HCU-3851+
02C12	2	A	2	0 A,B1	M528	C4						
CRD-SV-123/3855		A610			HVA1709662A		A	B	324007			4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 K2/8.4							CRD-HCU-3855+
02C12	2	A	2	0 A,B1	M528	C4						
CRD-SV-123/3859		A610			HVA1709662A		A	B	324007			4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 K2/8.4							CRD-HCU-3859+
02C12	2	A	2	0 A,B1	M528	C4						
CRD-SV-123/4203		A610			HVA1709662A		A	B	324007			4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 L5/8.4							CRD-HCU-4203+
02C12	2	A	2	0 A,B1	M528	C4						
CRD-SV-123/4207		A610			HVA1709662A		A	B	324007			4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 L5/8.4							CRD-HCU-4207+
02C12	2	A	2	0 A,B1	M528	C4						
CRD-SV-123/4211		A610			HVA1709662A		A	B	324007			4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 L5/8.4							CRD-HCU-4211+
02C12	2	A	2	0 A,B1	M528	C4						
CRD-SV-123/4215		A610			HVA1709662A		A	B	324007			4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 L5/8.4							CRD-HCU-4215+
02C12	2	A	2	0 A,B1	M528	C4						
CRD-SV-123/4219		A610			HVA1709662A		A	B	324007			4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 L5/8.4							CRD-HCU-4219+
02C12	2	A	2	0 A,B1	M528	C4						
CRD-SV-123/4223		A610			HVA1709662A		A	B	324007			4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 L5/8.4							CRD-HCU-4223+
02C12	2	A	2	0 A,B1	M528	C4						
CRD-SV-123/4227		A610			HVA1709662A		A	B	324007			4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 L5/8.4							CRD-HCU-4227+
02C12	2	A	2	0 A,B1	M528	C4						
CRD-SV-123/4231		A610			HVA1709662A		A	B	324007			4320
.5"SOLENOID INSERT DRIVE VALVE					R 522 K2/8.4							CRD-HCU-4231+
02C12	2	A	2	0 A,B1	M528	C4						

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

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

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

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

EPN / DESCRIPTION	MFG / MODEL	BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL / ZONE	QID	***SEISMIC (S) PARAMETERS*** 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 / DESCRIPTION	MFG	MODEL	BLDG ELEV	STATUS S E QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL EQ C	*ENV. (E) PARAMETERS* FREQ AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION		A/E DRAWING	A/E ZONE	DETAIL ZONE ROOM	ACCURACY	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	WJHP8316A74-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	MFG / LEVEL	MODEL / EC	USE	DESCRIPTION / SAFETY FUNCTION	BLDG ELEV / A/E DRAWING	STATUS S E QID / DETAIL A/E ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ / ZONE ROOM ACCURACY	*ENV; (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
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 M.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,81	E503/7			
E-42-FPC/V154	I005	TYPE D				A A 392001		4320
NEMA1 MTR STR FPC-V-154					R 522 M.7/8.0			E-MC-7BA*
49	2	A	2 3	J,F,82	E503/7			
E-42-FPC/V156	I005	TYPE D				A A 392001		4320
NEMA1 MTR STR FPC-V-156					R 522 M.7/8.0			E-MC-7BA*
49	2	A	2 3	J,F,82	E503/7			

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

EPN / DESCRIPTION	MFG	MODEL	STATUS S E	QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	BLDG ELEV DETAIL	ZONE	ROOM	ACCURACY	COMPOSITE EPN	
E-42-MS/V67C	I005 TYPE D		A A	392001		4320
NEMA1 MTR STR MS-V-67C		R 522 H.7/8.3			E-MC-78A+	
49 2 A 1 0 H		E503/7				
E-42-MS/V67D	I005 TYPE D		A A	392001		4320
NEMA1 MTR STR MS-V-67D		R 522 H.7/8.3			E-MC-78A+	
49 2 A 1 0 H		E503/7				
E-42-MSLC/FN1	I005 TYPE A		A A	392001		24
NEMA1 MTR STR MSLC-FN-1		R 526 H.7/8.3			E-MC-78A+	
49 2 A 1 0 H		E503/7				
E-42-MSLC/FN2	I005 TYPE D		A A	392001		24
STARTING COIL FOR MSLC-FN-2		R 522 N.0/3.5			E-MC-8B+	
49 2 A 1 0 H		E503/8				
E-42-MSLC/V1A	I005 TYPE D		A A	392001		4320
NEMA1 MTR STR MSLC-V-1A		R 522 H.5/8.4			E-MC-78A+	
49 2 A 1 0 H		E503/7				
E-42-MSLC/V1B	I005 TYPE *D*		A A	392001 F		4320
NEMA 1 MOTOR STARTER FOR MSLC-V-1B		R 522 H.7/8.3			E-MC-78A+	
49 2 A 2 0 F		E503/7				
E-42-MSLC/V1C	I005 TYPE *D*		A A	392001 F		4320
NEMA 1 MOTOR STARTER FOR MSLC-V-1C		R 522 H.7/8.3			E-MC-78A+	
49 2 A 2 0 F		E503/7				
E-42-MSLC/V1D	I005 TYPE *D*		A A	392001 F		4320
NEMA 1 MOTOR STARTER FOR MSLC-V-1D		R 522 H.7/8.3			E-MC-78A+	
49 2 A 2 0 F		E503/7				
E-42-MSLC/V2A	I005 TYPE D		A A	392001		4320
NEMA1 MTR STR MSLC-V-2A		R 522 H.5/8.4			E-MC-78A+	
49 2 A 1 0 H		E503/7				
E-42-MSLC/V2B	I005 TYPE *D*		A A	392001 F		4320
NEMA 1 MOTOR STARTER FOR MSLC-V-2B		R 522 H.7/8.3			E-MC-78A+	
49 2 A 2 0 F		E503/7				
E-42-MSLC/V2C	I005 TYPE *D*		A A	392001 F		4320
NEMA 1 MOTOR STARTER FOR MSLC-V-2C		R 522 H.7/8.3			E-MC-78A+	
49 2 A 2 0 F		E503/7				
E-42-MSLC/V2D	I005 TYPE *D*		A A	392001 F		4320
NEMA 1 MOTOR STARTER FOR MSLC-V-2D		R 522 H.7/8.3			E-MC-78A+	
49 2 A 2 0 F		E503/7				
E-42-MSLC/V3A	I005 TYPE D		A A	392001		4320
NEMA1 MTR STR MSLC-V-3A		R 522 H.5/8.4			E-MC-78A+	
49 2 A 1 0 H		E503/7				

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

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

EPN / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / BLDG ELEV A/E DRAWING 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 / DESCRIPTION	MFG / MODEL	STATUS S E QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	BLDG ELEV A/E DRAWING A/E ZONE	ZONE ROOM	ACCURACY	COMPOSITE EPN
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 / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / BLDG ELEV A/E DRAWING 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-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	EC	USE	SAFETY FUNCTION	MFG / DESCRIPTION	MODEL	BLDG ELEV / A/E DRAWING	STATUS S E QID / DETAIL / A/E ZONE	TM HL TEST ANL FQ C / ZONE	FREQ / ROOM	***SEISMIC (S) PARAMETERS*** ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C / COMPOSITE EPN	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 H				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 H				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 / DESCRIPTION	MFG	MODEL	STATUS S E	QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	BLDG ELEV A/E DRAWING	DETAIL A/E ZONE	ZONE	ROOM	ACCURACY	COMPOSITE EPN
E-CONN-X100B/01	A380	AMPHENOL JACK#82-503	R T	049001	Y	
SOURCE RANGE NI CONNECTOR		C 507 102 D AZ R40	R47			4320
55 3 P 1 3 H		E539/30				
E-CONN-X100B/02	A380	AMPHENOL PLUG#28650	R T	049002	Y	
SOURCE RANGE NI CONNECTOR		C 507 102 D AZ R40	R47			4320
55 3 P 1 3 H		E539/31				
E-CONN-X100C/01	A380	AMPHENOL JACK#82-503	R T	049001	Y	
SOURCE RANGE NI CONNECTION		C 511 315 D AZ R40	C44			4320
55 3 P 1 3 H		E539/30				
E-CONN-X100C/02	A380	AMPHENOL PLUG#28650	R T	049002	Y	
SOURCE RANGE NI CONNECTION		C 511 315 D AZ R40	C44			4320
55 3 P 1 3 H		E539/31				
E-CONN-X100D/01	A380	AMPHENOL JACK#82-503	R T	049001	Y	
SOURCE RANGE NI CONNECTION		C 511 322 D AZ R40	C44			4320
55 3 P 1 3 H		E539/30				
E-CONN-X100D/02	A380	AMPHENOL PLUG#28650	R T	049002	Y	
SOURCE RANGE NI CONNECTION		C 511 322 D AZ R40	C44			4320
55 3 P 1 3 H		E539/31				
E-CONN-X102A/01	A382	SOLIDSTRAND 34130	A	049006	Y	
CONNECTOR (SPLICE)		C 534 185 D AZ R40	R56			4320
218 3 P 4 3 H		E539				
E-CONN-X102A/02	R098	WCSF-N SHRINK TUBE	A	049007	Y	
CONNECTOR		C 534 185 D AZ R40				4320
218 3 P 1 3 H		E539				
E-CONN-X102B/01	A382	SOLIDSTRAND 34130	A	049006	Y	
CONNECTOR (SPLICE)		C 534 219 D AZ R40	R56			4320
218 3 P 1 3 H		E539				
E-CONN-X102B/02	R098	WCSF-N SHRINK TUBE	A	049007	Y	
CONNECTOR		C 534 219 D AZ R40				4320
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		E545/158				

EPN / DESCRIPTION	MFG / MODEL	BLDG ELEV / DETAIL	STATUS S E	QID	***SEISMIC (S) PARAMETERS*** IM	HL	TEST	ANL	EQ	C	*ENV. (E) PARAMETERS* FREQ	AGING	DBE	C	HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	A/E ZONE	ZONE	ROOM	ACCURACY						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	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	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	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	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	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	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	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	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	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	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	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 / DESCRIPTION / CONTRACT	MFG / MODEL / LEVEL	EC	USE	SAFETY FUNCTION	BLDG ELEV / A/E DRAWING / A/E ZONE	STATUS S E	QID	ZONE	SEISMIC (S) PARAMETERS TM	HL	TEST	ANL	FO	C	FREQ ACCURACY	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 / DESCRIPTION	MFG	MODEL	BLDG ELEV / A/E DRAWING	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 HOURS / COMPOSITE EPN
CONTRACT LEVEL EC USE SAFETY FUNCTION								
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 H9/7.7			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 H7/7					
02 1 P 1 0 H		M569		E10				

EPN / DESCRIPTION	MFG	MODEL	STATUS	***SEISMIC (S) PARAMETERS***	*ENV. (E) PARAMETERS*
CONTRACT LEVEL EC USE SAFETY FUNCTION	BLDG ELEV A/E DRAWING	DETAIL A/E ZONE	S E QID TM HL TEST ANL FQ C ZONE ROOM ACCURACY	FREQ AGING DBE C HOURS COMPOSITE EPN	
E-IR-P040+	G082		A A 185003 F N 21 03		
	R 522 N2/4.2				
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 / BLDG ELEV / A/E DRAWING / 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 / DESCRIPTION	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 HOURS / COMPOSITE EPN
CONTRACT LEVEL EC USE SAFETY FUNCTION							
E-RLY-MSLCV2A RELAY CUB/8D	S440	219BBXP	A	283041			4320
49 3 A 1 0 F		R 522 H.7/8.3 E535/43A-H				E-MC-7BA+	
E-RLY-MSLCV2B RELAY CUB/4C	S440	219BBXP	A	283041			4320
49 3 A 1 0 F		R 522 H.7/8.3 E535/43A-H				E-MC-7BA+	
E-RLY-MSLCV2C RELAY CUB/8D	S440	219BBXP	A	283041			4320
49 3 A 1 0 F		R 522 H.7/8.3 E535/43A-H				E-MC-7BA+	
E-RLY-MSLCV2D RELAY CUB/4C	S440	219BBXP	A	283041			4320
49 3 A 1 0 F		R 522 H.7/8.3 E535/43A-H				E-MC-7BA+	
E-RLY-MSLCV3A RELAY CUB/8D	S440	219BBXP	A	283041			4320
49 3 A 1 0 F		R 522 H.7/8.3 E535/43A-H				E-MC-7BA+	
E-RLY-MSLCV3B RELAY CUB/8D	S440	219BBXP	A	283041			4320
49 3 A 1 0 F		R 522 H.7/8.3 E535/43A-H				E-MC-7BA+	
E-RLY-MSLCV3C RELAY CUB/8D	S440	219BBXP	A	283041			4320
49 3 A 1 0 F		R 522 H.7/8.3 E535/43A-H				E-MC-7BA+	
E-RLY-MSLCV3D RELAY CUB/4C	S440	219BBXP	A	283041			4320
49 3 A 1 0 F		R 522 H.7/8.3 E535/43A-H				E-MC-7BA+	
E-RLY-MSLCV4 RELAY CUB/7E	S440	219BBXP	A	283041			4320
49 3 A 1.0 F		R 522 N.0/3.5 E535/54A-F				E-MC-8B+	
E-RLY-MSLCV5 RELAY CUB/7E	S440	219BBXP	A	283041			4320
49 3 A 1 0 F		R 522 N.0/3.5 E535/54A-F				E-MC-8B+	
E-RLY-MSLCV9 RELAY CUB/7E	S440	219BBXP	A	283041			4320
49 3 A 1 0 F		R 522 N.0/3.5 E535/54A-F				E-MC-8B+	
E-RLY-RCICV63 RELAY CUB/7C	S440	219BBXP	A	283041			24
49 3 A 2 1 B1,C		R 522 N.0/3.9 E535/55A-F				E-MC-8BA+	
E-RLY-RHRV11A RELAY CUB/4C	S440	219BBXP	A	283041			4320
49 3 A 1 1 B1,C,E		R 522 H.7/8.3 E535/43A-H				E-MC-7BA+	

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
E-RLY-RHRV11B RELAY CUB/7C			S440	219BBXP	R 522 N.0/3.9	A	283041			4320 E-MC-8BA+
49	3	A	1 1	B1,C,E	E535/55A-F					
E-RLY-RHRV16A RELAY CUB/8B			S440	219BBXP	R 575 M.6/5.0	A	283041			24 E-MC-7BB+
49	3	A	1 0	B1,C,E	E535/44A-E					
E-RLY-RHRV16B RELAY CUB/7C			S440	219BBXP	R 522 N.0/3.9	A	283041			24 E-MC-8BA+
49	3	A	1 0	B1,C,E	E535/55A-F					
E-RLY-RHRV17A RELAY CUB/8B			S440	219BBXP	R 575 M.5/5.0	A	283041			24 E-MC-7BB+
49	3	A	1 0	B1,C,E	E535/44A-E					
E-RLY-RHRV17B RELAY CUB/7C			S440	219BBXP	R 522 N.0/3.9	A	283041			24 E-MC-8BA+
49	3	A	1 0	B1,C,E	E535/55A-F					
E-RLY-RHRV21 RELAY CUB/7C			S440	219BBXP	R 522 N.0/3.9	A	283041			4320 E-MC-8BA+
49	3	A	1 0	B1,C,E	E535/55A-F					
E-RLY-RHRV24A RELAY CUB/1B			S440	219BBXP	R 522 M.7/8.3	A	283041			4320 E-MC-7BA+
49	3	A	1 0	B1,C,E	E535/43A-H					
E-RLY-RHRV26A RELAY CUB/4C			S440	219BBXP	R 522 M.7/8.3	A	283041			4320 E-MC-7BA+
49	3	A	1 1	C,E	E535/43A-H					
E-RLY-RHRV26B RELAY CUB/7C			S440	219BBXP	R 522 N.0/3.9	A	283041			4320 E-MC-8BA+
49	3	A	1 1	C,E	E535/55A-F					
E-RLY-RHRV27A RELAY CUB/1B			S440	219BBXP	R 522 M.7/8.3	A	283041			24 E-MC-7BA+
49	3	A	1 0	B1,C,E	E535/43A-H					
E-RLY-RHRV27B RELAY CUB/7C			S440	219BBXP	R 522 N.0/3.9	A	283041			24 E-MC-8BA+
49	3	A	1 0	B1,C,E	E535/55A-F					
E-RLY-RHRV3A RELAY CUB/8B			S440	219BBXP	R 575 M.5/5.0	A	283041			4320 E-MC-7BB+
49	3	A	1 3	C,E	E535/44A-E					
E-RLY-RHRV42A RELAY CUB/1B			S440	219BBXP	R 522 M.7/8.3	A	283041			4320 E-MC-7BA+
49	3	A	1 0	B1,C,E	E535/43A-H					

EPN / CONTRACT	LEVEL	MFG / DESCRIPTION / EC	USE	SAFETY FUNCTION	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
E-RLY-RHRV42B RELAY CUB/1B		S440		219BBXP	R 522 N.0/3.9	A	283041			E-MC-8BA+	4320
49	3	A	1 0	B1,C,E	E535/55A-F						
E-RLY-RHRV42C RELAY CUB/1B		S440		219BBXP	R 522 N.0/3.9	A	283041			E-MC-8BA+	4320
49	3	A	1 0	B1,C,E	E535/55A-F						
E-RLY-RHRV47A RELAY CUB/8B		S440		219BBXP	R 575 M.5/5.0	A	283041			E-MC-7BB+	4320
49	3	A	1 3	C,E	E535/44A-E						
E-RLY-RHRV47B RELAY CUB/8C		S440		219BBXP	R 576 M.9/8.3	A	283041			E-MC-8BB+	4320
49	3	A	1 3	C,E	E535/56A-E						
E-RLY-RHRV48A RELAY CUB/8B		S440		219BBXP	R 575 M.5/5.0	A	283041			E-MC-7BB+	4320
49	3	A	1 3	C,E	E535/44A-E						
E-RLY-RHRV48B RELAY CUB/8C		S440		219BBXP	R 576 M.9/8.3	A	283041			E-MC-8BB+	4320
49	3	A	1 3	C,E	E535/56A-E						
E-RLY-RHRV4A RELAY CUB/1B		S440		219BBXP	R 522 M.7/8.3	A	283041			E-MC-7BA+	4320
49	3	A	2 0	B1,C,E	E535/43A-H						
E-RLY-RHRV4B RELAY CUB/1B		S440		219BBXP	R 522 N.0/3.9	A	283041			E-MC-8BA+	4320
49	3		1 0	B1,C,E	E535/55A-F						
E-RLY-RHRV4C RELAY CUB/1B		S440		219BBXP	R 522 N.0/3.9	A	283041			E-MC-8BA+	4320
49	3	A	1 0	B1,C,E	E535/55A-F						
E-RLY-RHRV52A RELAY CUB/8B		S440		219BBXP	R 575 M.5/5.0	A	283041			E-MC-7BB+	4320
49	3	A	1 1	C,E	E535/44A-E						
E-RLY-RHRV52B RELAY CUB/8C					R 576 M.9/8.3	A	283041			E-MC-8BB+	4320
	3	A	1 1	C,E	E535/56A-E						
E-RLY-RHRV53A RELAY CUB/1B		S440		219BBXP	R 522 M.7/8.3	A	283041			E-MC-7BA+	4320
49	3	A	1 3	B1,C,F	E535/43A-H						
E-RLY-RHRV53B RELAY CUB/8D		S440		219BBXP	R 522 M.7/8.3	A	283041			E-MC-7BA+	4320
49	3	A	1 3	1,C,E	E535/43A-H						

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

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

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

EPN / DESCRIPTION	MFG	MODEL	STATUS S E	QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION		A/E DRAWING	A/E ZONE	ZONE	ROOM ACCURACY	COMPOSITE EPN
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 / DESCRIPTION	MFG	MODEL	BLDG ELEV	STATUS S E DETAIL	QID ZONE	TM HL TEST ANL FO C FREQ ROOM ACCURACY	***SEISMIC (S) PARAMETERS*** AGING DBE C HOURS	*ENV. (E) PARAMETERS* COMPOSITE EPN
CONTRACT LEVEL EC USE SAFETY FUNCTION		A/E DRAWING	A/E ZONE					
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		E8				
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 / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / BLDG ELEV A/E DRAWING A/E ZONE	STATUS S E QID DETAIL ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C FREQ ACCURACY ROOM	*ENV. (E) PARAMETERS* AGING DBE C HOURS COMPOSITE EPN
E-X-105D CONTROL AND INDIC ELECTRICAL PENET 55 3 P 2 3 H	W120 55-00-0002 C 534 225 D AZ S796	B A 382003 R56	Y	4320
E-X-107A LO VOLT PWR/CNTL/IND ELECT PENET 55 3 P 2 3 H	W120 55-00-0002 C 475 52 D AZ S796	B A 382003 C35	Y	4320
E-X-107B LO VOLT PWR/CNTL/IND ELECT PENET 55 3 P 2 3 H	W120 55-00-0002 C 475 240DAZ S796 F15	B A 382003 C36	Y	4320
EDR-SPV-19 PILOT VALVE FOR CONT ISO VLV V-19 58 2 A 1 0 B1	A499 WJHT831654 R 426 N1/3.6 M537 D9	A B 315004 R13	N 21 00 33+ R10 E-IR-61+	4320
EDR-SPV-20 PILOT VALVE FOR CONT ISO VLV V-20 58 2 A 1 0 B1	A499 WJHT831654 R 471 N.0/3.9 M537 D9	B B 315004 R33	N 21 00 33+ R206 E-IR-65+	4320
FDR-LS-41 LD RHR PMP RM A 215 2 A 1 0 F	 R 422 M539 B11	R D R12		4320
FDR-LS-42 LD RHR PMP RM B 215 2 A 1 0 F	 R 422 M539 B14	D R13		4320
FDR-LS-43 LD RHR PMP RM C 215 2 A 1 0 F	 R 422 M539 B10	D R12		4320
FDR-LS-44 LD RCIC PMP RM 215 2 A 1 0 F	 R 422 M539 B13	D R12		4320
FDR-LS-45 LD LPCS PMP RM 215 2 A 1 0 F	 R 422 M539 B9	D R12		4320
FDR-LS-46 LD HPCS PMP RM 215 2 A 1 0 F	 R 422 M539 B8	D R12		4320
FDR-SPV-3 CONT. F R ISO VLV 58 2 A 1 0 B1	A499 WJHT8344A72 R 426 N1/3.6 M539 D6	A B 315004 R13	N 21 00 33+ R10 E-IR-61+	4320
FDR-SPV-4 SOLENOID PILOT FOR EDR-V-4 IR-65 58 2 A 1 0 B1	A499 WJHT831654 R 471 N.0/3.9 M539 D6	B B 315004 R33	N 21 00 33+ R206 E-IR-65+	4320

EPN / CONTRACT	MFG / MODEL / DESCRIPTION	BLDG ELEV / A/E DRAWING	STATUS S E QID / DETAIL / A/E ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ ZONE ROOM ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS COMPOSITE EPN
FPC-DPIC-1	F130	R 476 H.4/6.8	A	R61	4320
F/DM BYPASS FLOW CONTROL DP		M526	C9		E-IR-62+
3 A 2 0 G					
FPC-DPIS-11	I204	R 471 H.4/6.8	A		4320
F/DM BYPASS FLOW CONTROL DP		M526	C10		E-IR-62+
220 2 A 2 0 G					
FPC-DPIS-12	I204	R 471 H.4/6.8	A		4320
F/DM BYPASS FLOW CONTROL DP		M526	C10		E-IR-62+
220 2 A 2 0 G					
FPC-FIC-21		R 606	D	R73	4320
FUEL POOL RECIRC FLOW CONTROL		M526	J10		
220 3 A 1 3 I					
FPC-FT-16	R369 1153DB4	R 522 N.0/8.1	C P	R61	4320
FLOW TRANS		M526	F9		E-IR-69+
220 3 A 1 3 I					
FPC-FT-17		R 467	C P 156009	R61	
FLOW TRAN OF FPC-V-746 & 747		M526	F10		
215 2 2 3 A,G					
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 / DESCRIPTION / CONTRACT	LEVEL	EC	USE	SAFETY FUNCTION	MFG	MODEL	BLDG ELEV	A/E DRAWING	A/E ZONE	STATUS S E	QID	SEISMIC (S) PARAMETERS TM	HL	TEST	ANL	FQ	C	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 / DESCRIPTION	MFG	MODEL	BLDG ELEV / DETAIL	STATUS S E	QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS COMPOSITE EPN
CONTRACT LEVEL EC USE SAFETY FUNCTION			A/E DRAWING	A/E ZONE		ZONE ROOM	
FPC-MO-181B				P P	221001		
MO FOR FPC-V-181B			R 548				4320
41A 2 2 3 F		M526		D14			FPC-V-181B+
FPC-MO-184				P P	221001		
MO FOR FPC-V-184			R 471 L.0/9.4				4320
41A 2 A 1 3 B2		M526		C9			FPC-V-184+
FPC-PS-6A	B070	D2T-M150SS		A A	256018		
PUMP SUCTION PRESSURE P-1A			R 522 J.0/6.9		R51		4320
58 2 A 1 3 F		M526		E14			E-IR-71+
FPC-PS-6B	B070	D2T-M150SS		A A	256018		
PUMP SUCTION PRESSURE P-1B			R 552 N/8.1		R53		4320
58 2 A 1 3 F		M526		D14			E-IR-69+
FPC-PS-9A	B070	B2T-M12SS		A A	256002		
PUMP DISCHARGE PRESSURE P-1A			R 522 N.0/8.1		R51		4320
58 2 A 1 3 F		M526		D13			E-IR-71+
FPC-PS-9B	B070	B2T-M12SS		A A	256002		
PUMP DISCHARGE PRESSURE P-1B			R 524 M.0/8.5		R53		4320
58 2 A 1 3 F		M526		D13			E-IR-69+
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		4320
220 2 A 1 3 F		M526		C9			E-IR-62+
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		4320
215 2 A 2 3 G		M526		C14			E-IR-69+
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 / DESCRIPTION	MFG	MODEL	BLDG ELEV / A/E DRAWING	STATUS / DETAIL	QID / ZONE	S E / TM / ROOM	HL TEST ANL FQ C / ACCURACY	FREQ	AGING	DBE	C	HOURS / COMPOSITE EPN
CONTRACT LEVEL EC USE SAFETY FUNCTION			A/E DRAWING	A/E ZONE								
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/P125		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 / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / BLDG ELEV A/E DRAWING A/E ZONE	STATUS S E QID / DETAIL ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ ACCURACY / ROOM	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
HPCS-MO-11 9.75HP MOTOR OPERATOR HPCS-V-11 02E22 2 A 1 0 C	L200 SMB-3-150/C212Y R 451 M/3.8 M520	B A 221001 R23 E3	N 14 00 33+ R106	24 HPCS-V-11+
HPCS-MO-12 5HP 8.4A MOTOR OPER. HPCS-V-12 02E22 2 A 1 0 C	L200 SMB-2-40/C184Y R 430 M/3.4 M520	A A 221001 R13 B5	N 14 00 33+ R11	24 HPCS-V-12+
HPCS-MO-15 MOTOR OPERATOR HPCS-V-15 02E22 2 A 1 0 C	L200 SMB-2 R 455 L.4/3.8 M520	B A 221001 R23 D7	N 14 00 33+ R106	24 HPCS-V-15+
HPCS-MO-4 26HP 35A MOTOR OPERATOR HPCS-V-4 02E22 2 A 1 0 C	L200 SMB-4 R 540 M.3/7.3 M520	B A 221001 P R53 G7	N 14 00 33+ R404	24 HPCS-V-4+
HPCS-PIS-13 HPCS-P-3 LOW DISCH ALARM H22-P024 02E22 3 A 1 0 I	I204 M288A R 475 L.2/3.9 M520	A A 245001 R33 C4	N 14 00 33+ R206	24 E-IR-P024+
HPCS-PS-12 HPCS-P-1 DISCH 02E22 2 A 1 0 C,E	S382 SN-AA3-X105TT R 471 L.2/3.9 M520	A A 256016 R33 B5	N 14 00 33+ R206	4320 E-IR-P024+
HPCS-PS-3 HPCS-P-1 SUCTION 02E22 2 A 2 0 G	R240 SP-222-C R 471 L.2/3.9 M520	A A 256013 R33 C6		4320 E-IR-P024+
LD-TE-18A LD TE RHR EQUIP AREA AMB TEMP 02E31 2 A 1 0 F,B1	P427 282-N1A72 R 468 M.7/9.0 807E154TC/	A H 339004 3B	N 01 99+	24
LD-TE-18B LD TE RHR EQUIP AREA AMB TEMP 02E31 2 A 1 0 F,B1	P427 282-N1A72 R 465 K.0/9.0 807E154TC/	A H 339004 3F	N 01 99+	24
LD-TE-18C LD TE RHR EQUIP AREA AMB TEMP 02E31 2 A 1 0 F,B1	P427 282-N1A72 R 468 M.7/9.0 807E154TC/	A H 339004 3B	N 01 99+	24
LD-TE-18D LD TE RHR EQUIP AREA AMB TEMP 02E31 2 A 1 0 F,B1	P427 282-N1A72 R 465 K.0/9.0 807E154TC/	A H 339004 3F	N 01 99+	24
LD-TE-1A LD TE RWCU PMP RM 1 INLET VENT 02E31 2 A 1 0 F,B1	N070 145C3224P001 R 532 M.8/4.7 807E154TC/	A H 339004 282	W N 01 99+	24
LD-TE-1B LD TE RWCU PMP RM 1 INLET VENT 02E31 2 A 1 0 F,B1	N070 145C3224P001 R 532 M.6/4.4 807E154TC/	A H 339004 2F2	W N 01 99+	24

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

EPN / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / BLDG ELEV A/E DRAWING A/E ZONE	STATUS S E DETAIL ZONE ROOM	QID TM HL TEST ANL FO C ACCURACY	***SEISMIC (S) PARAMETERS*** FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS COMPOSITE EPN
LD-TE-28A LD TE RHR EQUIP AREA OUTLET VENT 02E31 2 A 1 0 F,81	P427 282F9T37 R 461 807E154TC/	B M L3/9.3 3E9	339004 R23 R115	N 01 99+	24
LD-TE-28B LD TE RHR EQUIP AREA OUTLET VENT 02E31 2 A 1 0 F,81	P427 282F9T37 R 465 807E154TC/	B M K.9/9.3 3K7	339004 R21 R116	N 01 99+	24
LD-TE-28C LD TE RHR EQUIP AREA OUTLET VENT 02E31 2 A 1 0 F,81	P427 282F9T37 R 461 807E154TC/	B M L3/9.3 3E	339004 R23 R115	N 01 99+	24
LD-TE-28D LD TE RHR EQUIP AREA OUTLET VENT 02E31 2 A 1 0 F,81	P427 282F9T37 R 465 807E154TC/	B M K.9/9.3 3K	339004 R21 R116	N 01 99+	24
LD-TE-29A LD TE MN STM LINE TUNNEL INLET VEN 02E31 2 A 1 0 F,81	P427 N145C3224P1 R 502 807E154TC/	B M H.4/5.8 3B5	339004 R42 R310	N 01 99+	24
LD-TE-29B LD TE MN STM LINE TUNNEL INLET VEN 02E31 2 1 0 F,81	P427 N145C3224P1 R 502 807E154TC/	B M H.4/5.8 3B6	339004 R42 R310	N 01 99+	24
LD-TE-29C LD TE MN STM LINE TUNNEL INLET VEN 02E31 2 A 1 0 F,81	P427 N145C3224P1 R 502 807E154TC/	B M H.4/6.6 3F5	339004 R41 R310	N 01 99+	24
LD-TE-29D LD TE MN STM LINE TUNNEL INLET VEN 02E31 2 A 1 0 F,81	N070 N145C3224P1 R 502 807E154TC/	B M H.4/6.2 3F6	339004 R41 R310	N 01 99+	24
LD-TE-2A LD TE RWCU PMP RM 1 OUTLET VENT 02E31 2 A 1 0 F,81	P427 102-9039-08 R 532 807E154TC/	A M M.3/4.5 2E2	339004 W N	01 99+	24
LD-TE-2B LD TE RWCU PMP RM 1 OUTLET VENT 02E31 2 A 1 0 F,81	P427 102-9039-08 R 532 807E154TC/	A M M.3/4.5 2K2	339004 W N	01 99+	24
LD-TE-2C LD TE RWCU PMP RM 2 OUTLET VENT 02E31 2 A 1 0 F,81	P427 102-9039-08 R 532 807E154TC/	A M M.8/5.4 2E4	339004 W N	01 99+	24
LD-TE-2D LD TE RWCU PMP RM 2 OUTLET VENT 02E31 2 A 1 0 F,81	P427 102-9039-08 R 532 807E154TC/	A M M.8/5.4 2K4	339004 W N	01 99+	24
LD-TE-2E LD TE RWCU HEAT EXCH RM OUTLET VEN 02E31 2 A 1 0 F,81	P427 288F9734 R 570 807E154TC/	A M 4.4/L.9 2E5	339004 R62 R510	N 01 99+	24

EPN / DESCRIPTION / CONTRACT / LEVEL / EC / USE / SAFETY FUNCTION	MFG / MODEL / BLDG ELEV / A/E DRAWING / A/E ZONE	STATUS S E	QID	TM	HL TEST	ANL FQ C	SEISMIC (S) PARAMETERS *** ZONE / ROOM / ACCURACY	*ENV. (E) PARAMETERS* FREQ / AGING / DBE / C / HOURS / COMPOSITE EPN
LD-TE-2F LD TE RWCU HEAT EXCH RM OUTLET VEN 02E31 2 A 1 0 F,81	P427 288F9734 R 570 4.4/L.9 807E154TC/ 2K5	A M	339004		N	01	R62 R510	99+ 24
LD-TE-30A LD TE HN STM LINE TUNNEL OUTLET V 02E31 2 A 1 0 F,81	P427 102-9039-08 R 528 J.0/5.9 807E154TC/ 3E5	B M	339004	W	N	01	R42 R310	99+ 24
LD-TE-30B LD TE HN STM LINE TUNNEL OUTLET V 02E31 2 A 1 0 F,81	P427 102-9039-08 R 526 J.0/5.6 807E154TC/ 3E6	B M	339004	W	N	01	R42 R310	99+ 24
LD-TE-30C LD TE HN STM LINE TUNNEL OUTLET V 02E31 2 A 1 0 F,81	P427 102-9039-08 R 526 J.0/5.2 807E154TC/ 3K5	B M	339004	W	N	01	R41	99+ 24
LD-TE-30D LD TE HN STM LINE TUNNEL OUTLET V 02E31 2 A 1 0 F,81	P427 102-9039-08 R 526 J.0/6.1 807E154TC/ 3K6	B M	339004	W	N	01	R41 R310	99+ 24
LD-TE-31A LD TE HN STM LINE TUNNEL AMB TEMP 02E31 2 A 1 0 F,81	P427 N145C3224P001 R 502 H.7/5.8 807E154TC/ 3B7	B M	339004		N	01	R42 R310	99+ 24
LD-TE-31B LD TE HN STM LINE TUNNEL AMB TEMP 02E31 2 A 1 0 F,81	P427 N145C3224P001 R 502 H.7/5.6 807E154TC/ 3B8	B M	339004		N	01	R42 R310	99+ 24
LD-TE-31C LD TE HN STM LINE TUNNEL AMB TEMP 02E31 2 A 1 0 F,81	P427 N145C3224P001 R 502 H.7/6.6 807E154TC/ 3F7	B M	339004		N	01	R41 R310	99+ 24
LD-TE-31D LD TE HN STM LINE TUNNEL AMB TEMP 02E31 2 A 1 0 F,81	P427 N145C3224P001 R 502 H.7/6.2 807E154TC/ 3F8	B M	339004		N	01	R41 R310	99+ 24
LD-TE-3A LD TE RWCU PMP RM 1 02E31 2 A 1 0 F,81	P427 102-9039-08 R 532 H.5/4.6 807E154TC/ 2B9	B M	339004		N	01		99+ 24
LD-TE-3B LD TE RWCU PMP RM 1 02E31 2 A 1 0 F,81	P427 102-9039-08 R 532 H.5/4.6 807E154TC/ 2F9	B M	339004	W	N	01		99+ 24
LD-TE-3C LD TE RWCU PMP RM 2 02E31 2 A 1 0 F,81	P427 102-9039-08 R 532 H.8/5.3 807E154TC/ 2B	B M	339004	W	N	01		99+ 24
LD-TE-3D LD TE RWCU PMP RM 2 02E31 2 A 1 0 F,81	P427 102-9039-08 R 532 H.8/5.3 807E154TC/ 2F	B M	339004	W	N	01		99+ 24

EPN / DESCRIPTION	MFG	MODEL	STATUS	***SEISMIC (S) PARAMETERS***	*ENV. (E) PARAMETERS*
CONTRACT LEVEL EC USE SAFETY FUNCTION	BLDG ELEV A/E DRAWING	DETAIL A/E ZONE	S E QID ZONE	TM HL TEST ANL FO C. FREQ ROOM ACCURACY	AGING DBE C HOURS COMPOSITE EPN
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				
02E21 2 A 1 0 C	R 475 K.0/4.2		R32	R206	E-CP-P001+
	M520	G11			
LPCS-FIS-4	I204	289A	A A 140001	N 14 00 33+	24
LPCS-P-1 DISCH FLOW	H22-P001				
02E21 3 A 1 0 C	R 475 K.0/4.2		R32	R206	E-CP-P001+
	M520	B14			
LPCS-FT-3	B080	555	A P 156003	N 14 00 33+	24
LPCS-P-1 DIS FLOW TX					
02E21 3 A 1 0 C	R 473 K.0/4.2		R32		E-CP-P001+
	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 / DESCRIPTION	MFG	MODEL	STATUS	***SEISMIC (S) PARAMETERS***	*ENV. (E) PARAMETERS*
CONTRACT LEVEL EC USE SAFETY FUNCTION	BLDG ELEV A/E DRAWING	S E QIO DETAIL A/E ZONE	ZONE ROOM	TM HL TEST ANL FQ C FREQ ACCURACY	AGING DBE C HOURS COMPOSITE EPN
LPCS-MO-11	L200	SMB-000-3/K48	G A 221001		
MOTOR OPERATOR LPCS-FCV-11		R 425 K.2/3.5	R12 R12		24
02E21 2 A 1 0 C	M520	B13			LPCS-FCV-11+
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		.170
41B 2 A 1 0 C.81	M520	E15			LPCS-V-12+
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		24
41A 2 A 1 0 C	M520	G11			LPCS-V-5+
LPCS-PIS-1	R290	SP-222-C	D M 245003		
LPCS-P-1 DISCH TO ADS PERMISSIVE		R 475 K.0/4.2	R32		4320
02E21 2 A 1 0 C,G	M520	B13			E-IR-P001+
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		4320
02H22 2 A 2 0 G	M520	B14			E-IR-P001+
LPCS-PS-9	B069	PIH-H340SS-V	A A 256005	N 14 00 33+	
LPCS PMP DISCH PS TO ADS PERMISSIV		R 471 K/4.2	R12 R12		4320
02E21 2 A 1 0 C,G	M520	B13			E-IR-P001+
MS-DPI-5	G080 0227		R 243007		
MS DIF. PRESS. - - H22-P010		R 471 M5/4.5	R33		4320
02 2 A 2 0 G	M530	G12			E-IR-P010+
MS-DPIS-10A	B080 288		N A 086001		
PCIS HI STM FLOW LINE C		R 501 H.7/7.3	T14 R305		1.0
58 3 A 1 0 B1,I,F	M529	E3			E-IR-P015+
MS-DPIS-10B	B080 288		N A 086001		
PCIC HI STM FLOW LINE C		R 471 H.5/7.9	R33 R206		1.0
58 3 A 1 0 B1,I,F	M529	E3			E-IR-P022+
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		1.0
58 3 A 1 0 B1,I,F	M529	E3			E-IR-P010+
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		1.0
58 3 A 1 0 B1,I,F	M529	E3			E-IR-P025+
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		1.0
02H 3 A 1 0 B1,I,F	M529	D3			E-IR-P015+
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		1.0
02E31 3 A 1 0 B1,I,F	M529	D3			E-IR-P022+

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

EPN / DESCRIPTION	MFG	MODEL	STATUS S E QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL EQ C FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION		BLDG ELEV A/E DRAWING	DETAIL ZONE A/E ZONE	ROOM ACCURACY	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 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
MS-FT-34M NB-JP-16 FLOW TRANSMITTER 02 2 A 2 3 G	G082 50555111BNAA4WCA R 471 J6/8.1 M530	A A E2	156003			4320 E-IR-P009+
MS-FT-34N NB-JP-7 FLOW TRANSMITTER H22-P010 02 2 A 2 3 G	G082 4EAH R 471 M.5/4.5 M530	A A H13	156003 R33			4320 E-IR-P010+
MS-FT-34P NB-JP-17 FLOW TRANSMITTER 02 2 A 2 3 G	G082 555111BNAA4WCA R 471 M.5/4.5 M530	A A F2	156003			4320 E-IR-P010+
MS-FT-34R NB-JP-8 FLOW TRANSMITTER H22-P010 02 2 A 2 3 G	G082 4EAH R 471 M.5/4.5 M530	A A H13	156003 R33			4320 E-IR-P010+
MS-FT-34S NB-JP-18 FLOW TRANSMITTER 02 2 A 2 3 G	G082 555111BNAA4WCA R 471 J.6/8.1 M530	A B E2	156003			4320 E-IR-P009+
MS-FT-34T NB-JP-9 FLOW TRANSMITTER H22-P010 02 2 A 2 3 G	G082 4EAH R 471 M.5/4.5 M530	A A H14	156003 R33			4320 E-IR-P010+
MS-FT-34U NB-JP-19 FLOW TRANSMITTER 02 2 A 2 3 G	G082 555111BNAA4WCA R 471 J.6/8.1 M530	A A E2	156003			4320 E-IR-P009+
MS-FT-34V NB-JP-10 FLOW TRANSMITTER H22-P010 02 2 A 2 3 G	G082 4EAH R 471 M.5/4.5 M530	A A H14	156003 R33			4320 E-IR-P010+
MS-FT-34W MS FLOW - - H22-P009 02 2 A 2 3 G	G080 555111BNAAA4WCA R 471 J.6/8.1 M530	A A H4	156003 R31			4320 E-IR-P009+
MS-LIS-24A REACTOR LEVEL 3 AND 8 TRIPS 02822 2 A 1 0 A,B1,C	I204 16483 R 525 H.4/7.1 M529	A A H12	198001 R51	F N 14 00 	33+	24 E-IR-P004+
MS-LIS-24B MS LEVEL 02822 2 1 0 A,B1	I204 16483 H22-P027 M529	A A J5	198001 R53	N 14 00 R404	33+	24 E-IR-P027+
MS-LIS-24C MS LEVEL 02822 2 A 1 0 A,B1,C	I204 16483 H22-P005 M529	A A H5	198001 R53	N 14 00 R404	33+	24 E-IR-P005
MS-LIS-24D MS LEVEL 02822 2 A 1 0 A,B1	I204 16483 H22-P026 M529	A A J12	198001 R52	F N 14 00 R404	33+	24 E-IR-P026+

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

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

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

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

EPN / CONTRACT	LEVEL	DESCRIPTION / EC	USE	SAFETY FUNCTION	MFG / A/E DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL	S	E	QID / ZONE	TM / ROOM	HL	TEST	ANL	FD	C	FREQ / ACCURACY	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											MS-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	MFG	MODEL	BLDG ELEV	STATUS S E	QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C	*ENV. (E) PARAMETERS* FREQ AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION			A/E DRAWING	A/E ZONE	ZONE	ROOM ACCURACY	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 / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / BLDG ELEV A/E DRAWING A/E ZONE	STATUS S E QID DETAIL	ZONE ROOM	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS COMPOSITE EPN
MSLC-MO-1O 1HP MOTOR OPERATOR MSLC-V-1O 215 2 A 1 O F	L200 SMB-000-5/P48 R 502 M557	G A 221001 H5/6.0 H5	R42 R310		24 MSLC-V-1O+
MSLC-MO-1A 1HP MOTOR OPERATOR MSLC-V-1A 215 2 A 1 O F	L200 SMC-04-3/42 R 474 M557	G A 221001 H.5/5.5 C7	R42 R310		24 MSLC-V-1A+
MSLC-MO-1B 1HP MOTOR OPERATOR MSLC-V-1B 215 2 A 1 O F	L200 SMC-04-3/42 R 474 M557	G A 221001 H.5/5.6 C6	R42 R310		24 MSLC-V-1B+
MSLC-MO-1C 1HP MOTOR OPERATOR MSLC-V-1C 215 2 A 1 O F	W120 TBFC R 474 M557	G A 221001 H.5/5.6 D7	R41 R310		24 MSLC-V-1C+
MSLC-MO-1D 1HP MOTOR OPERATOR MSLC-V-1D 215 2 A 1 O F	L200 SMC-04-3/42 R 474 M557	G A 221001 H.5/5.5 D6	R41 R310		24 MSLC-V-1D+
MSLC-MO-2A 1HP MOTOR OPERATOR MSLC-V-2A 215 2 A 1 O F	L200 SMB-000-5/P48 R 502 M557	G A 221001 H6/5.3 C8	R42 R310		24 MSLC-V-2A+
MSLC-MO-2B 1HP MOTOR OPERATOR MSLC-V-2B 215 2 A 1 O F	L200 SMB-000-5/P48 R 502 M557	G A 221001 H6/5.3 C8	R42 R310		24 MSLC-V-2B+
MSLC-MO-2C 1HP MOTOR OPERATOR MSLC-V-2C 215 2 A 1 O F	L200 SMB-000-5/P48 R 502 M557	G A 221001 H6/6.4 E8	R41 R310		24 MSLC-V-2C+
MSLC-MO-2D 1HP MOTOR OPERATOR MSLC-V-2D 215 2 A 1 O F	L200 SMB-000-5/P48 R 502 M557	G A 221001 H4/5.8 E8	R41 R310		24 MSLC-V-2D+
MSLC-MO-3A 1HP MOTOR OPERATOR MSLC-V-3A 215 2 A 1 O F	L200 SMB-000-5/P48 R 502 M557	G A 221001 H6/5.5 C9	R42 R310		24 MSLC-V-3A+
MSLC-MO-3B 1HP MOTOR OPERATOR MSLC-V-3B 215 2 A 1 O F	L200 SMB-000-5/P48 R 502 M557	G A 221001 H6/5.3 C8	R42 R310		24 MSLC-V-3B+
MSLC-MO-3C 1HP MOTOR OPERATOR MSLC-V-3C 215 2 A 1 O F	L200 SMB-000-5/P48 R 502 M557	G A 221001 H6/6.4 E9	R41 R310		24 MSLC-V-3C+
MSLC-MO-3D 1HP MOTOR OPERATOR MSLC-V-3D 215 2 A 1 O F	L200 SMB-000-5/P48 R 502 M557	G A 221001 H4/5.8 E8	R41 R310		24 MSLC-V-3D+

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

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

EPN / DESCRIPTION	MFG / MODEL	BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL	QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
CONTRACT LEVEL EC USE SAFETY FUNCTION			A/E ZONE				
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	RXHH2-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 / DESCRIPTION	MFG / MODEL	STATUS / BLDG ELEV / DETAIL / ZONE	***SEISMIC (S) PARAMETERS*** / ROOM	*ENV. (E) PARAMETERS* / ACCURACY	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 / DESCRIPTION	MFG	MODEL	STATUS S E QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS
CONTRACT | LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	BLDG ELEV A/E ZONE	DETAIL ZONE ROOM	ACCURACY	COMPOSITE EPN
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	MFG / DESCRIPTION	MODEL / LEVEL	EC	USE	SAFETY FUNCTION	BLDG ELEV / A/E DRAWING	STATUS S E / DETAIL A/E ZONE	QID	IM	HL	TEST	ANL	EQ	C	ZONE	FREQ	ROOM	ACCURACY	AGING	DBE	C	HOURS	COMPOSITE EPN
PI-SV-267		T020			79TT-001	R 536 M-8/6-3	B A E07	324002															4320
220	2	A	2	0	I	M543																	
PI-SV-268		T020			1021010-1-B-1-S	R 536	B A E07	324008															4320
220	2	A	2	0	I	M543																	
PI-SV-269		T020			1021010-1-B-1-S	R 536	B A B06	324008															4320
220	2	A	2	0	I	M543																	
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	D10		R42		R312								RCC-V-21+				
41A	2	A	1	0	B1	M525																	
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 / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / BLDG ELEV / A/E DRAWING / 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 HOURS / COMPOSITE EPN
RCIC-DPIS-78 RCIC STM SUPPLY HI FLOW H22-P029 02E51 2 A 1 1 B1,F	B080 288A R 471 K9/3.9 M519	A A F7	086001 R32	N 14 00 R206	33+ E-IR-P029+	24
RCIC-LMS-65 LIMIT SWITCH RCIC-V-65 69 3 A 2 1 B1,C	N007 SAI133 R 568 M.6/5.4 M519	R H6	200004		RCIC-V-65	24
RCIC-LMS-66 LIMIT SWITCH RCIC-V-66 3 A 2 1 B1,C	C 606 150 D AZ M519	D J4	Y		RCIC-V-66+	24
RCIC-MO-13 2.9HP MOTOR OPERATOR RCIC-V-13 41A 2 A 1 1 B1	L200 SMB-0-40/D202G R 552 5.5/M.6 M519	A A H7	221001 R63	N 14 00 R511	35 RCIC-V-13+	4320
RCIC-MO-19 2.0HP MOTOR OPERATOR RCIC-V-19 215 2 A 1 1 B1	L200 SMB-000-5/P56 R 467 J.4/7.7 M519	R R E7	221001 R21	N 14 00 R116	35 RCIC-V-19+	4320
RCIC-MO-31 1HP 9.6A MOTOR OPERATOR RCIC-V-31 41A 2 A 1 1 B1	L200 SMB-00-15/R56 R 450 H.8/7.0 M519	A A D7	221001 R21	Y 14 00 R112	35 RCIC-V-31+	4320
RCIC-MO-63 7HP 10.7A MOTOR OPER. RCIC-V-63 41A 2 A 2 1 B1	L200 SMB-2-60/D215R2 C 555 131 D AZ M519	A A H5	221001 R19 R67	Y 14 00	35 RCIC-V-63+	24
RCIC-MO-64 5.8HP 20A MOTOR OPER. RCIC-V-64 41A 2 A 2 1 B1	L200 SMB-2-80/DS229 8 R 556 4.6/L.9 M519	A A G6	221001 R63	Y 14 00 R510	35 RCIC-V-64+	24
RCIC-MO-68 1.08HP MOTOR OPERATOR RCIC-V-68 41A 2 A 1 1 B1	L200 SMB-015/DTS6F C 474 J.1/7.5 M519	A A E7	221001 C34	N 14 00	35 RCIC-V-68+	4320
RCIC-MO-69 2.0HP MOTOR OPERATOR RCIC-V-69 215 2 A 1 1 B1	L200 SMB-000 R 466 H6/6.6 M519	C A E7	221001 R21	R112	RCIC-V-69+	4320
RCIC-MO-76 .33HP/1.9-.95A M O FOR RCIC-V-76 215 2 A 2 1 B1	L200 SMB-000-5 C 556 120 DEG M519	B R H6	221001 R67	Y	RCIC-V-76+	24
RCIC-MO-8 .54HP/5.5A MOTOR OPER FOR RCIC-V-8 41A 2 A 1 1 B1	L200 SMB-00-7-5/D56C R 515 J.0/5.0 M519	A A F6	221001 R42	N 14 00 R308	35 RCIC-V-8+	4320
RCIC-MO-80 MOTOR OPER FOR RCIC-V-110 215 2 A 1 1 B1	L200 SMB-000-5 C 474 J.2/7.2 M519	R A E7	221001 C34		RCIC-V-110+	4320

EPN / DESCRIPTION	MFG	MODEL	BLDG ELEV	STATUS S E	QID	TM	HL	TEST	ANL	FO	C	FREQ	ACCURACY	AGING	DBE	C	HOURS	COMPOSITE EPN
CONTRACT LEVEL EC USE SAFETY FUNCTION			A/E DRAWING	A/E ZONE														
RCIC-MO-86	L200	SMB-000-5		R A	221001													4320
MOTOR OPER FOR RCIC-V-113			C 474	J.2/7.2	C34													RCIC-V-113+
215 2 A 1 1 B1			M519	E7														
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													4320
REACTOR HEAD SPRAY IR -67-			R 556	5.8/M.8	R63													E-IR-67+
58 2 A 2 1 B1			M519	H6														
RCIC-SPV-66	A499	WJHT831654		A B	315004	F												4320
RCIC TO REACTOR ISOLATION VALVE IR			R 528	J.0/6.9	R63													E-IR-71+
58 2 A 2 1 B1			M519	H6														
REA-DPT-1A1	R369	P.D. 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 / DESCRIPTION	MFG	MODEL	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
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	A/E ZONE						
REA-DPT-183	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-184	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		R73			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 DRAWING	MODEL / BLDG ELEV	STATUS / DETAIL	S	E	QID / ZONE	TH	HL	TEST	ANL	EQ	C	FREQ / ACCURACY	AGING	DBE	C	HOURS / COMPOSITE EPN
RHR-CE-1A			B135		BOM 05010794633			B		038001											4320
CONDUCTIVITY ELEMENT FOR RHR-HX-1A						R 540 J.9/8.5	A/E ZONE			R61											
02	2	A	2	0 G	M521		H13														
RHR-CE-1B			B135		BOM 05010794633			B		038001											4320
RHR CONDUCTIVITY - -						R 559.M.1/9.0				R63											
02	2	A	2	0 G	M521		H4														
RHR-DPIS-12A			B080		MODEL 288			A	A	086001	N	14	00				33+				4320
RHR HIGH FLOW LEAK DETECTION						R 501 J.6/3.6				R42	R305							E-IR-H22/P018+			
02E12	2	A	1	0 B1,F	M530		G12														
RHR-DPIS-12B			B080		288			A	A	086001	N	14	00				33+				4320
RHR HIGH FLOW LEAK DETECTION						R 501 H8/9.3				R41	R305							E-IR-H22/P021+			
02E12	2	A	1	0 B1,F	M521		F7														
RHR-DPIS-29A			B080		288			A	A	086001	N	14	00				33+				4320
RHR DIF PRESS LOOP A RET TO PRV						R 501 J.6/3.6				R42	R312							E-IR-P018+			
02E12	2	A	2	0 G	M521		H10														
RHR-DPIS-29B			B080		288			A	A	086001	N	14	00				33+				4320
RHR DIF PRESS LOOP B RET TO PRV						R 501 H.8/7.3				R41	R305							E-IR-P021+			
02E12	2	A	2	0 G	M521		H8														
RHR-DPIS-9A			B080		288A			B	A	086001	N	14	00				33				4320
RHR DIF PRESS LOOP A RET TO PRV						R 527 H.9/5.0				R52	R408										
02E12	2	A	1	0 C,E	M521		H11														
RHR-DPIS-9B			B080		288A			B	A	086001	N	14	00				33				4320
RHR DIF PRESS LOOP B RET TO PRV						R 526 H.8/6.1				R51	R408										
02E12	2	A	1	0 C,E	M521		H7														
RHR-DPIS-9C			B080		288A			B	A	086001	N	14	00				33				4320
RHR DIF PRESS LOOP A RETURN TO PRV						R 526 H.9/6.8				R51	R408										
02E12	2	A	1	0 C,E	M521		F11														
RHR-FIS-10A			B080		288			A		140001											4320
SHUTDOWN COOLING LOOP "A"FLOW						R 505 J.6/3.6				R42								E-IR-P018+			
02E12	3	A	1	3 I	M521		H12														
RHR-FIS-10B			B080		288			A		140001											4320
SHUTDOWN COOLING LOOP "B" FLOW						R 503 H.9/9.3				R43								E-IR-P021+			
02E12	3	A	1	3 I	M521		H4														
RHR-FIS-10C			B080		288			A		140001											4320
LOOP "C" FLOW TO VESSEL						R 505 H.7/9.3				R42								E-IR-P021+			
02E12	3	A	1	0 I	M521		C7														
RHR-FT-13			G080		1118MAA4WCF			A		156003	W										4320
FLOW TRANSMIT TO REACTOR HD SPRAY(RH 11)						R 552 H.6/5.3				R63								E-IR-P021+			
02	3	A	2	3 G	M521		H6														

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

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

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

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

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

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 ANL FO C / ROOM	FREQ / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
RHR-PS-19A ADS PERMISSIVE (10-240 PSIG) PUMP 02 2 A 1 0 C,E	S382 5N-AA3-(X10)-STT M521	R 505 J.7/3.7	A A B13	256016 R42			24 E-IR-H22/P018+
RHR-PS-19B ADS PERMISSIVE (10-240 PSIG) PUMP 02 2 A 1 0 C,E	S382 5N-AA3-(X10)-STT M521	R 501 L/13	A A B4	256016 F R41			24 E-IR-H22/P021+
RHR-PS-19C ADS PERMISSIVE (10-240 PSIG) PUMPC 02 2 A 1 0 C,E	S382 5N-AA3-(X10)-STT M521	R 501 L/13	A A B8	256016 F R41			24 E-IR-H22/P021+
RHR-PT-26A PRESSURE TRANSMITTER RCIC LOOPA 02E12 2 A 2 1 C	B040 556 M521	R 597 J.0/9.0	B P K14	259012 R42			24 E-IR-P018+
RHR-PT-26B PRESSURE TRANSMITTER RCIC LOOPB 02E12 2 A 2 1 C	B040 556 M521	R 597 N.0/8.3	B P K4	259012 R41			24 E-IR-P021+
RHR-TE-27A TEMPERATURE ELEMENT (PRIMARY) 02 2 A 1 3 I	N070 117C3485P022 M521	R 565 K/8	T M H13	339022 R61	N 01	99+	4320
RHR-TE-27B TEMPERATURE ELEMENT (PRIMARY) 02 2 A 1 3 I	N070 117C3485P022 M521	R 548	T M H5	339022 R63	N 01	99+	4320
RHR-TE-4A TEMPERATURE ELEMENT (PRIMARY) 02 2 A 1 3 I	N070 117C3485P022 M521	R 572	T M J13	339023 R71	N 01	99+	4320
RHR-TE-4B TEMPERATURE ELEMENT (PRIMARY) 02 2 A 1 3 I	N070 117C3485P022 M521	R 572	T M J4	339023 R73	N 01	99+	4320
RHR-TE-5A RHR-HX-2A SSW OUTLET TEMP 02E12 2 A 2 3 G	N070 117C3485P022 M524	R 560 J3/8.5	T M H11	339022 R61	N 01	99+ RHR-HX-2A	4320
RHR-TE-5B RHR-HX-2B SSW OUTLET TEMP 02E12 2 A 2 3 G	N070 117C3485P022 M524	R 560 L.0/8.3	T M H12	339022 R61	N 01	99+ RHR-HX-2B	4320
RHR-V-182 .75"VALVE DRAIN FOR RHR-V-115 215 2 A 2 0 B2,F	H090 282033 M521	R 548 L.0/9.0	T J6	324006 R63		RHR-V-182+	4320
RHR-V-60A .75" SOL PROCESS SAMPLING CONN B 215 2 A 2 0 B2	H090 282033 M521	R 548 N.0/8.3	C T J12	324006 R61		RHR-V-60A+	4320

EPN / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / BLDG ELEV A/E DRAWING	STATUS S E QID / DETAIL A/E ZONE	ZONE ROOM	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C FREQ ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
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-LHS-10	N007 70050100	P 200014			4320
	R 542 M.5/3.9				ROA-AD-10+
2 A 1 0 J	M545	E14			
ROA-LHS-11	N007 70050100	P 200014			4320
	R 542 H.7/8.2		R51		ROA-SPV-11
2 A 1 0 J	M545	E8			
ROA-LHS-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-LHS-13	N007 70050100	P 200014			4320
	R 591 M.5/6.0				ROA-AD-13+
216 2 A 1 0 J	M545	G14			
ROA-LHS-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-LHS-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-LHS-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-LHS-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 HCC 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 / DESCRIPTION	MFG / MODEL	STATUS / BLDG ELEV / DETAIL	S E QTY	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL EQ C / ZONE / ROOM / ACCURACY	*ENV. (E) PARAMETERS* FREQ / AGING / DBE / C / HOURS / COMPOSITE EPN
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	A/E ZONE			
ROA-SPV-11	A610 HBX8320A-1		C B 315002		4320
DIV 1 MCC ROOM DAMPER SOL PILOT -		R 522 H.4/8.3		R31 R212	ROA-AD-11+
216 2 A 1 0 J	M545	D7			
ROA-SPV-12	A610 HBX8320A-1		C B 315002		4320
DC MCC ROOM DAMPER SOL PILOT - -		R 471 H.4/8		R31 R212	ROA-AD-12+
216 2 A 1 0 J	M545	C7			
ROA-SPV-13	A610 HBX8320A-1		C B 315002		4320
H2 RECOMB MCC RM (DIV I) DAMPER SO		R 575 M.4/5.7		R73 R611	ROA-AD-13+
216 2 A 1 0 J	M545	G15			
ROA-SPV-14	A610 HBX8320A-1		C B 315002		4320
H2 RECOMB MCC RM (DIV II) DAMPER S		R 572 M.8/7.8		R73 R612	ROA-AD-14+
216 2 A 1 0 J	M545	G14			
ROA-SPV-15	A610 HBX8320A-1		C B 315002		4320
SOLENOID PILOT VALVE		R 548 M.4/4.3		R63 R516	ROA-AD-15+
216 2 A 1 0 J	M545	G13			
ROA-SPV-17	A610 HBX8320A-1		C B 315002		4320
ANALYZER RM 1B DAMPER SOL PILOT LO		R 548 M.4/4.4		R63 R512	ROA-AD-17+
216 2 A 1 0 J	M545	G14			
ROA-SPV-200	A499 WJHT8316E35F		A M 315004	N 21 00 33	4320
ROA-V-2 SOL PILOT VA - -		R 528 N/8.2		R54 R404	ROA-V-2+
216 2 A 1 3 B2.F	M545	F3			
RPS-PS-2A	S382 12N-AA4-X10TT		A A 256016	N 14 00 33+	.017
HIGH DRYWELL PRESSURE 0.2-6 PSI		R 525 4.5/7.1		R51 R404	E-IR-P004+
02C72 2 A 1 0 A	807E178TC/	6C3			
RPS-PS-2B	S382 12N-AA4-X10TT		A A 256016 F	N 14 00 33+	.017
HIGH DRYWELL PRESSURE 0.2-6 PSI		R 525 M.8/6.6		R53 R404	E-IR-P027+
02C72 2 A 1 0 A	807E178TC/	7C3			
RPS-PS-2C	S382 12N-AA5-X10TT		A A 256016		.017
HIGH DRYWELL PRESSURE 0.2-6 PSI		R 526 N8/5.8		R53 R404	E-IR-P005+
02C72 2 A 1 0 A	807E178TC/	6J3			
RPS-PS-2D	S382 12N-AA5-X10TT		A A 256016	N 14 00 33+	.017
HIGH DRYWELL PRESSURE 0.2-6 PSI		R 528 M.4/4.2		R52 R404	E-IR-P026+
02C72 2 A 1 0 A	807E178TC/	7J3			
RRA-M-1	W120 SBFC		A B 213012		4320
3HP/4.7A MOTOR FOR RRA-FN-1		R 445 M.7/4.3		R22 R113	RRA-FC-1+
67 2 A 1 3 J	M545	B14			
RRA-M-10	W120 FBFC/182T		A B 213023		4320
3HP/4.65A MOPTOR FOR RRA-FN-10		R 522 N3/3.8		R53 R410	RRA-FC-10+
67 2 A 1 0 J	M545	E15			

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

EPN / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / BLDG ELEV DETAIL / A/E DRAWING A/E ZONE	STATUS S E QID IN HL TEST ANL EQ C / ZONE ROOM	***SEISMIC (S) PARAMETERS*** FREQ AGING DBE C / ACCURACY	*ENV. (E) PARAMETERS* HOURS / COMPOSITE EPN
RRA-RHS-S1 LOCAL CONTROL SWITCH,RHR P RM 1 218 3 A 2 3 J	G080 CR2940 R 444 H8/4.3 M545 A9	M 285002 R22		4320 RRA-FN-1*
RRA-RHS-S2 CONTROL SWITCH-RRA-FN-2 218 3 A 2 3 J	G080 CR2940 R 444 K2/8.2 M545 A8	M 285002 R21		4320 RRA-FN-2*
RRA-RHS-S3 CONTROL SWITCH-RRA-FN-3 218 3 A 2 3 J	G080 CR2940 R 444 L8/8.2 M545 A7	M 285002 R23		4320 RRA-FN-3*
RRA-RHS-S4 CONTROL SWITCH-RRA-FN-4 218 3 A 2 0 J	G080 CR2940 R 444 M4/4.7 M545 A14	M 285002 R23		24 RRA-FN-4*
RRA-RHS-S5 LOCAL CONTROL SWITCH,LPCS P RM 5 218 3 A 2 0 J	G080 CR2940 R 444 K7/3.8 M545 A13	M 285002 R22		24 RRA-FN-5*
RRA-RHS-S6 LOCAL CONTROL SWITCH,HPCS P RM 6 218 3 A 2 1 J	G080 CR2940 R 444 H6/8 M545 A12	M 285002 R21		4320 RRA-FN-6*
RRC-MO-16A 2HP MOTOR OPERATOR FOR RRC-V-16A 215 2 A 1 0 B1	L200 R 504 J-3/7.4 M530 C14	A 221001 R43 R307		4320 RRC-V-16A*
RRC-MO-16B 2 HP MOTOR OPERATOR FOR RRC-V-16B 215 2 A 1 0 B1	L200 R 508 J2/7.3 M530 B14	R A 221001 R41 R305		4320 RRC-V-16B*
RRC-MO-67B 15.8 HP MOTOR OPER FOR RRC-V-67B 02 2 A 2 0 G	L200 SMB-3-60 C 514 275 D AZ R20 M530 E7	B A 221001 R41	Y 14 00 33*	.017 RRC-V-67B*
RRC-PS-18B PRESSURE SWITCH NON IND H22-P022 02B35 2 A 1 0 B1	B069 16405359E001-R000 R 471 M-6/8.1 M530 F5	A A 256002 R33 R206	N 14 00 33*	4320 E-IR-P022*
RRC-V-19 1" SO GATE SAMPLE RRC LOOPA RETURN 215 2 A 2 0 B1,I	B350 P 81560 C 501 319 D AZ R35 M530 F11	D 361008 C44	Y	RRC-V-19*
RRC-V-20 .75" SOLENOID PROCESS SAMP CONN 215 2 A 2 0 B1,I	B350 81560 R 522 J/6.7 M530 F12	D 361008 R41		RRC-V-20*
RWCU-FT-36 FLOW ELEMENT 35 PRESSURE BOUNDARY 02E31 3 A 1 0 B1,F	B045 1118MAA4VBP R 526 N-8/5.0 M523 F15	A B 156003 R53	N 14 00 33*	24 E-IR-P002*

EPN / DESCRIPTION	MFG / MODEL	BLDG ELEV / DETAIL	STATUS S E	QID	SEISMIC (S) PARAMETERS TM	HL	TEST	ANL	FQ	C	FREQ	ENV. (E) PARAMETERS AGING	DBE	C	HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	A/E ZONE		ZONE	ROOM		ACCURACY					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 55511188MAA4WBP		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								SGT-FU-1A+			4320
18 2 A 1 0 D,F	M544	H13													
SGT-EHC-1A2	C332 2747499		B	A 109008	F										
ELECTRIC HEATING COIL		R 576 H.7/5.6		R72 R608								SGT-FU-1A+			4320
18 2 A 1 0 D,F	M544	H13													
SGT-EHC-1B1	C332 2747499		B	A 109008	F										
22.5 KW ELECTRIC HEATING COIL		R 576 H.7/5.6		R72 R607								SGT-FU-1B+			4320
18 2 A 1 0 D,F	M544	D13													
SGT-EHC-1B2	C332 2747499		B	A 109008	F										
ELECTRIC HEATING COIL		R 576 J.3/5.6		R72 R607								SGT-FU-1B+			4320
18 2 A 1 0 D,F	M544	D13													

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

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

EPN / DESCRIPTION	MFG / MODEL	STATUS / BLDG ELEV / DETAIL	S E QID / ZONE	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C / ROOM	*ENV. (E) PARAMETERS* FREQ / ACCURACY	AGING / COMPOSITE EPN	DBE C /	HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING	A/E ZONE						
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 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	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	MFG / MODEL / BLDG ELEV / A/E DRAWING	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
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 / DESCRIPTION	MFG	MODEL	STATUS / BLDG ELEV / DETAIL / ZONE / ROOM	***SEISMIC (S) PARAMETERS*** / ACCURACY	*ENV. (E) PARAMETERS* / COMPOSITE EPN
CONTRACT LEVEL EC USE SAFETY FUNCTION			S E QID TM HL TEST ANL EQ C FREQ / A/E DRAWING / A/E ZONE		AGING DBE C HOURS
SGT-RMS-EH1B2T1			B		4320
TEST STAGE 1 OF SGT-EHC-1			R 572 M.1/5.8		SGT-PP-EHC/1B2+
18 3 A 2 0 D		18-00-0092	G7		
SGT-RMS-EH1B2T2			B		4320
TEST STAGE 2 OF SGT-EHC-1			R 572 M.1/5.8		SGT-PP-EHC/1B2+
18 3 A 2 0 D		18-00-0092	G2		
SGT-RMS-EH1B2T3			B		4320
TEST STAGE 3 OF SGT-EHC-1			R 572 M.1/5.8		SGT-PP-EHC/1B2+
18 3 A 2 0 D		18-00-0092	F2		
SGT-SPV-2A	A499	8210D2H0	B P 315006 N 24 00	35	4320
SOL. PILOT VLV FOR SGT-V-2A			R 578 H.6/3.6 R72 R608		SGT-V-2A+
220 2 A 1 0 F		M539	J15		
SGT-SPV-2B	A499	8210D2H0	B P 315006 N 24 00	35	4320
SOL. PILOT VLV. FOR SGT-V-2B			R 578 H.6/3.6 R72 R607		SGT-V-2B+
220 2 A 1 0 F		M539	D15		
SGT-SPV-F1	A499	8211D2H0	B B 315007 W		4320
1/2 S.O DELUGE VA ASSY SGT-DV-1A-			R 578 H.6/3.7 R72 R602		SGT-DV-1A1+
18 2 A 2 0 F		M544	G12		
SGT-SPV-F2	A499	8211D2H0	B B 315007 W		4320
1/2 S.O DELUGE VA ASSY SGT-DV-1A-			R 578 H.6/3.7 R72 R602		SGT-DV-1A2+
18 2 A 2 0 F		M544	G11		
SGT-SPV-F3	A499	8211D2H0	B B 315007 W		4320
1/2 S.O DELUGE VA ASSY SGT-DV-1A-			R 578 H.6/3.6 R72 R602		SGT-DV-1B3+
18 2 A 2 0 F		M544	G9		
SGT-SPV-F4	A499	8211D2H0	B B 315007 W		4320
1/2 S.O DELUGE VA ASSY SGT-DV-1B-			R 578 H.6/3.6 R72 R602		SGT-DV-1B1+
18 2 A 2 0 F		M544	B12		
SGT-SPV-F5	A499	8211D2H0	B B 315007 W		4320
1/2 S.O DELUGE VA ASSY SGT-DV-1B-			R 578 H.6/3.6 R72 R602		SGT-DV-1B2+
18 2 A 2 0 F		M544	B11		
SGT-SPV-F6	A499	8211D2H0	B B 315007 W		4320
1/2 S.O DELUGE VA ASSY SGT-DV-1B-			R 578 H.6/3.6 R72 R602		SGT-DV-1B3+
18 2 A 2 0 F		M544	B9		
SGT-TE-6A1	F030	DWG L-54040-3	B M 339001		4320
SGT-FU-1A; SGT-CF-1A-1 TEMPERATURE			R 577 H.8/6.8 R72 R608		SGT-FU-1A+
18 2 A 2 0 F		M544	H11		
SGT-TE-6B1	F030	L-54040-3	B M 339001		4320
SGT-FU-1B; SGT-CF-1B-1 TEMPERATURE			R 576 J.4/6.0 R72 R607		SGT-FU-1B+
18 2 A 2 0 F		M544	D11		

EPN / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / A/E DRAWING	BLDG ELEV / A/E ZONE	STATUS S E / DETAIL	QID / ZONE	TH HL TEST ANL FQ C / ROOM	FREQ / ACCURACY	AGING / COMPOSITE EPN	DBE C / HOURS
SGT-TE-7A1	F030	L-54040-3		B M	339001			4320
SGT-FU-1A1 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-1B1 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 / DESCRIPTION	MFG	MODEL	BLDG ELEV / A/E DRAWING	STATUS S E QID TM HL TEST ANL EQ C / DETAIL / A/E ZONE	***SEISMIC (S) PARAMETERS*** ZONE ROOM ACCURACY	*ENV. (E) PARAMETERS* FREQ AGING DBE C 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			SGT-EHC-1A/+
CONTRACT 18 LEVEL 2 EC A USE 1 0 SAFETY FUNCTION D,F			E686			
SGT-TS-EH1A113	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		
SGT-TS-EH1A114	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	C6		
SGT-TS-EH1A115	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	C6		
SGT-TS-EH1A116	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 1 0 D,F			18-00-0092	C6		
SGT-TS-EH1A117	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 1 0 D,F			18-00-0092	C6		
SGT-TS-EH1A118	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 1 0 D,F			18-00-0092	C6		
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			SGT-EHC-1A1+
18 2 A 1 0 D,F			18-00-0092	E6		
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			SGT-EHC-1A1+
18 2 A 1 0 D,F			18-00-0092	E6		
SGT-TS-EH1A14	F081	18000-0		A B 355003 F		4320
18 2 A 1 0 D,F			R 572 H.4/5.9 18-00-0092	E7		SGT-EHC-1A1+
SGT-TS-EH1A15	F081	18000-0		A B 355003 F		4320
18 2 A 1 0 D,F			R 572 H.4/5.9 18-00-0092	E7		SGT-EHC-1A1+
SGT-TS-EH1A16	F081	18000-0		A B 355003 F		4320
18 2 A 1 0 D,F			R 572 H.4/5.9 18-00-0092	E7		SGT-EHC-1A1+
SGT-TS-EH1A17	F081	18000-0		A B 355003 F		4320
18 2 A 1 0 D,F			R 572 H.4/5.9 18-00-0092	E7		SGT-EHC-1A1+

EPN / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / BLDG ELEV / A/E DRAWING / 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-EH1A18	F081 18000-0	A B	355003 F				4320
18 2 A 1 0 D,F	R 572 H.4/5.9 18-00-0092	E7				SGT-EHC-1A1+	
SGT-TS-EH1A19	F081 18000-0	A B	355003 F				4320
18 2 A 1 0 D,F	R 572 H.4/5.9 18-00-0092	E6				SGT-EHC-1A1+	
SGT-TS-EH1A21	F081 18000-0	A B	355003 F				4320
18 2 A 1 0 D,F	R 572 H.8/6.0 18-00-0092	C7				SGT-EHC-1A2+	
SGT-TS-EH1A210	F081 18000-0	A B	355003 F				4320
18 2 A 1 0 D,F	R 572 H.4/5.9 18-00-0092	E7				SGT-EHC-1A2+	
SGT-TS-EH1A211	F081 18000-0	A B	355003 F				4320
18 2 A 1 0 D,F	R 572 H.8/6.0 18-00-0092	C7				SGT-EHC-1A2+	
SGT-TS-EH1A212	F081 18000-0	A B	355003 F				4320
18 2 A 1 0 D,F	R 572 H.8/6.0 18-00-0092	C7				SGT-EHC-1A2+	
SGT-TS-EH1A213	F081 18000-0	A B	355003 F				4320
18 2 A 1 0 D,F	R 572 18-00-0092	C7				SGT-EHC-1A2+	
SGT-TS-EH1A214	F081 18000-0	A B	355003 F				4320
18 2 A 1 0 D,F	R 572 H.8/6.0 18-00-0092	C6				SGT-FU-1A+	
SGT-TS-EH1A215	F081 18000-0	A B	355003 F				4320
18 2 A 1 0 D,F	R 572 H.8/6.0 18-00-0092	C6				SGT-FU-1A+	
SGT-TS-EH1A216	F081 18000-0	A B	355003 F				4320
18 2 A 1 0 D,F	R 572 H.8/6.0 18-00-0092	C6				SGT-FU-1A+	
SGT-TS-EH1A217	F081 18000-0	A B	355003 F				4320
CONTROL OF HEATER SGT-EHC-1A2 18 2 A 1 0 D,F	R 572 H.8/6.0 18-00-0092	C6				SGT-FU-1A+	
SGT-TS-EH1A218	F081 18000-0	A B	355003 F				4320
CONTROL OF HEATER SGT-EHC-1A2 18 2 A 1 0 D,F	R 572 H.8/6.0 18-00-0092	C6				SGT-FU-1A+	
SGT-TS-EH1A22	F081 18000-0	A B	355003 F				4320
CONTROL OF STAGE 1 OF SGT-EHC-1A2 18 2 A 1 0 D,F	R 572 H.8/6.0 18-00-0092	E6				SGT-FU-1A+	

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

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

EPN / CONTRACT	LEVEL	MFG / DESCRIPTION	MODEL	STATUS S E QID / BLDG ELEV / DETAIL / ZONE	***SEISMIC (S) PARAMETERS*** IM HL TEST ANL FO C FREQ / ROOM / ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS / COMPOSITE EPN
SGT-TS-EH1B27		F081		A B 355003 F		4320
CONTROL OF STAGE 3 OF SGT-EHC-1B2				R 572		SGT-FU-1B*
18	2	EC A USE 1 0 SAFETY FUNCTION D,F		A/E ORAWING 18-00-0092 A/E ZONE 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	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-1RH/1A2		H349	XHAC-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	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-1RH/1B2		H349	XHAC-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	XHAC-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	XHAC-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	XHAC-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	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-2RH/1A2		H349	XHAC-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 / DESCRIPTION	MFG	MODEL	STATUS S E	QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FO C	*ENV. (E) PARAMETERS* FREQ AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	BLDG ELEV A/E DRAWING	DETAIL A/E ZONE	ZONE	ROOM	ACCURACY	COMPOSITE EPN
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	MFG / MODEL / DESCRIPTION	LEVEL	EC	USE	SAFETY FUNCTION	BLDG ELEV / A/E DRAWING	STATUS / A/E ZONE	S	E	QID	ZONE	TM	HL	TEST	ANL	FO	C	***SEISMIC (S) PARAMETERS*** FREQ	ACCURACY	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS	COMPOSITE EPN
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	H 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 / DESCRIPTION	MFG	MODEL	BLDG ELEV	STATUS S E QID	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL EQ C FREQ	*ENV. (E) PARAMETERS* AGING DBE C HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	A/E DRAWING			DETAIL ZONE	ROOM ACCURACY	COMPOSITE EPN
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	MFG	MODEL	BLDG ELEV / A/E DRAWING	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
CONTRACT LEVEL EC USE SAFETY FUNCTION									
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		M519		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		M519		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		M519		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		M519		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		M519		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		M519		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		M519		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		M519		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 5 I		807E162		TC					

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

EPN / DESCRIPTION	MFG	MODEL	STATUS S E	QID	***SEISMIC (S) PARAMETERS*** TM	HL	TEST	ANL	FO	C	FREQ	*ENV. (E) PARAMETERS* AGING	DBE	C	HOURS
CONTRACT LEVEL EC USE SAFETY FUNCTION	BLDG ELEV	A/E DRAWING	A/E ZONE	ZONE	ROOM	ACCURACY						COMPOSITE EPN			
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 H9/4.0		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 H2-02 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 H2-02-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 / DESCRIPTION / CONTRACT LEVEL EC USE SAFETY FUNCTION	MFG / MODEL / BLDG ELEV / A/E DRAWING / A/E ZONE	STATUS S E QID / DETAIL / ZONE / ROOM	***SEISMIC (S) PARAMETERS*** TM HL TEST ANL FQ C FREQ ACCURACY	*ENV. (E) PARAMETERS* AGING DBE C HOURS COMPOSITE EPN
SW-V-204 .5" SOLENOID TSW TO H2 O2 ANALY 220 2 A 1 0 F	M095 MV229MS-L2 R 548 M607/2	D T 324004 R63 C15		4320
SW-V-206 .5" SOLENOID SAMPLE TO SR-14 220 2 A 1 0 F	M095 MV229MS-L2 R 548 M607/2	D A 324004 R63 B15		4320
SW-V-209 .5" SOLENOID SAMPLE TO H2 O2 ANALY 220 2 A 1 0 F	M095 MV229HQ-L2 R 548 M607/2	D T 324004 R63 B15		4320
SW-V-210 .5" SOLENOID H2 O2 ANALY TSW DISCH 220 2 A 1 0 F	M095 MV229MS-L2 R 548 M607/2	D T 324004 R63 A12		4320
SW-V-211 .5" SOLENOID SR-14 DISCHARGE 220 2 A 1 0 F	M095 MV229MS-L2 R 548 N/4.3 M607/2	D A 324004 P R63 A12		4320
SW-V-212 .5" SOLENOID H2 O2 ANALY TSW DISCH 220 2 A 1 0 F	M095 MV229HQ-L2 R 548 M607/2	D T 324004 R63 B13		4320
SW-V-213 .5" SOLENOID SR-13 DISCHARGE 220 2 A 1 0 F	M095 MV229MS-L2 R 548 M607/2	D A 324004 R63 B13		4320
SW-V-34 SOL. OPERATE V-34 RCIC PMP RM RTN 215 2 A 2 1 J	M095 MV252-1 R 452 H.7/8.0 M524	D 361005 R21 D11		4320
TIP-V-1 TIP EXPLOSIVE ACT ISOL SHEAR VLV 02C51 2 A 1 0 B1	G080 P P136B1302G002 R 501 J.0/4.5 807E165TC/	361004 R42 2J1		4320
TIP-V-2 TIP EXPLOSIVE ACT ISOL SHEAR VLV 02C51 2 A 1 0 B1	G080 P P136B1302G002 R 501 J.0/4.5 807E165TC/	361004 2J1		4320
TIP-V-3 TIP EXPLOSIVE ACT ISOL SHEAR VLV 02C51 2 A 1 0 B1	G080 P P136B1302G002 R 501 J.0/4.5 807E165TC/	361004 2J1		4320
TIP-V-4 TIP EXPLOSIVE ACT ISOL SHEAR VLV 02C51 2 A 1 0 B1	G080 P P136B1302G002 R 501 J.0/4.5 807E165TC/	361004 2J1		4320
TIP-V-5 TIP EXPLOSIVE ACT ISOL SHEAR VLV 02C51 2 A 1 0 B1	G080 P P136B1302G002 R 501 J.0/4.5 807E165TC/	361004 2J1		4320

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

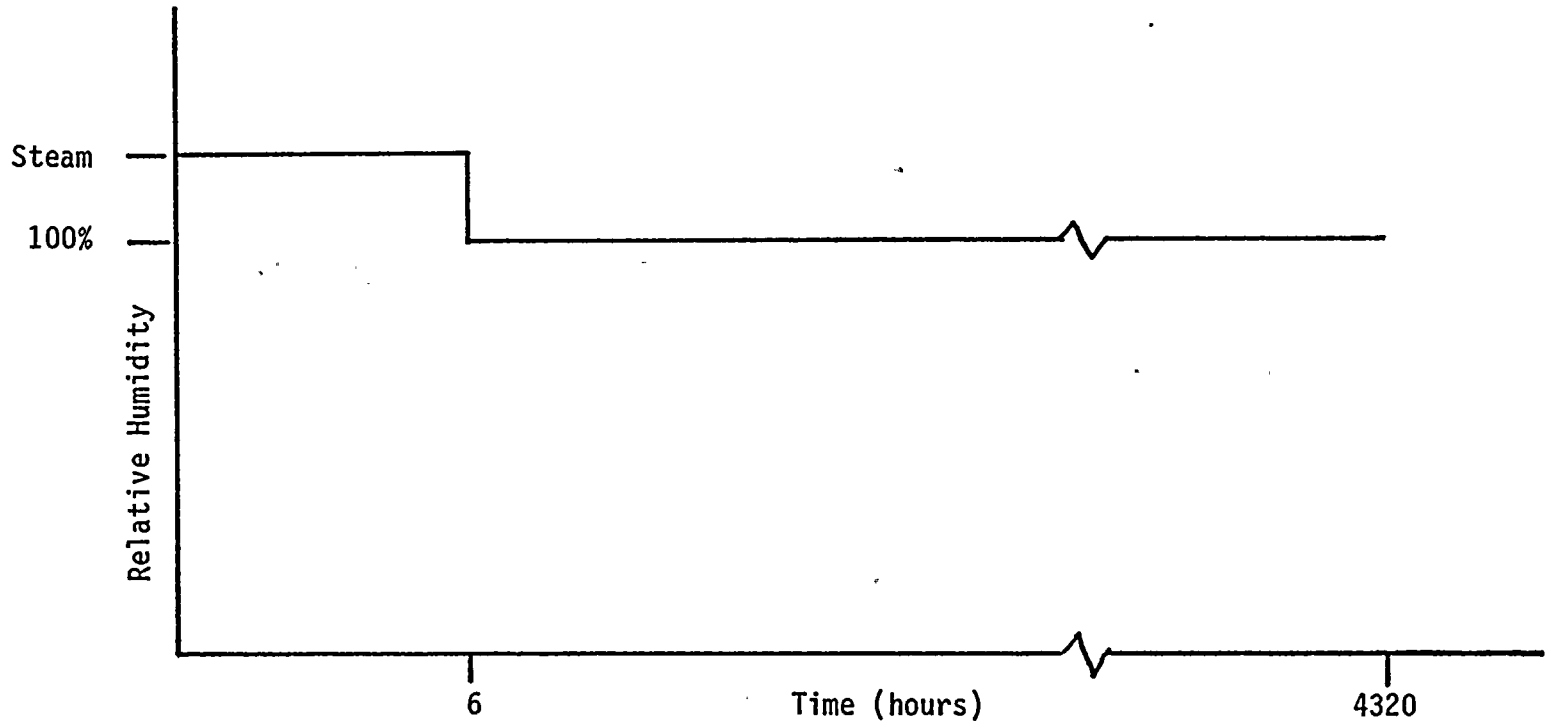
REACTOR BUILDING SERVICE CONDITIONS DUE TO A LOCA IN PRIMARY CONTAINMENT

Temperature: Profile 4

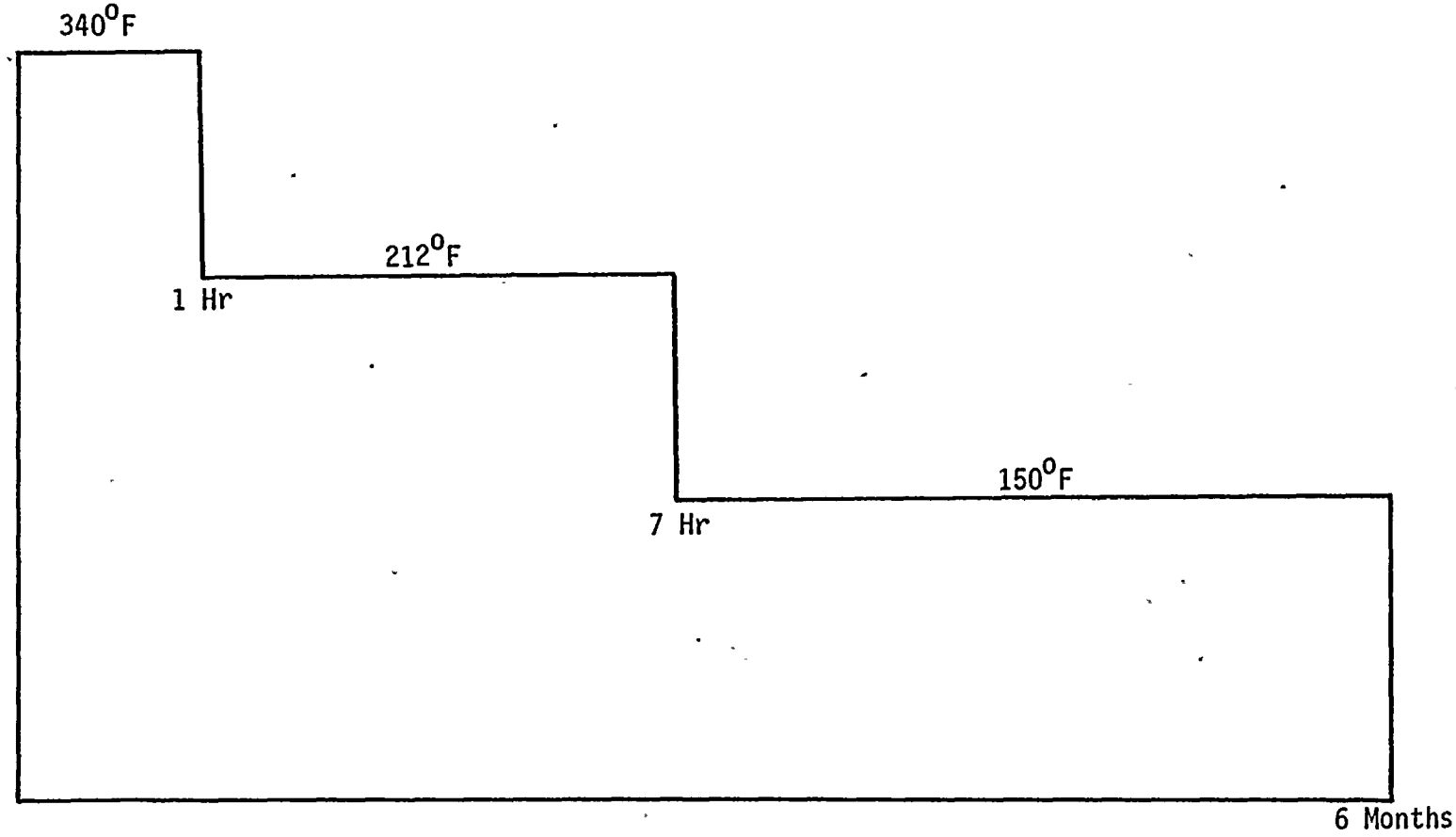
Pressure: 14.7 psia

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.

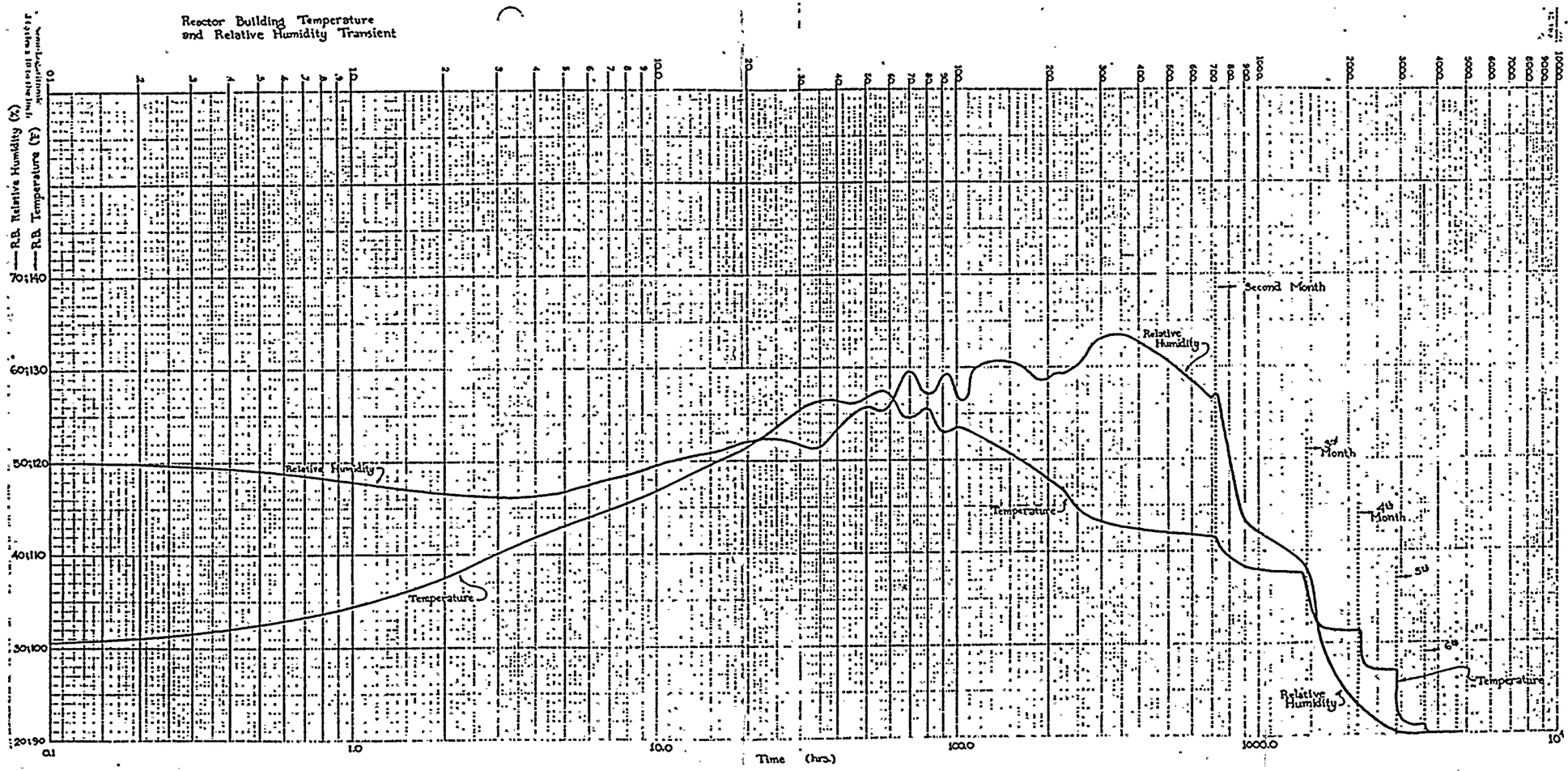


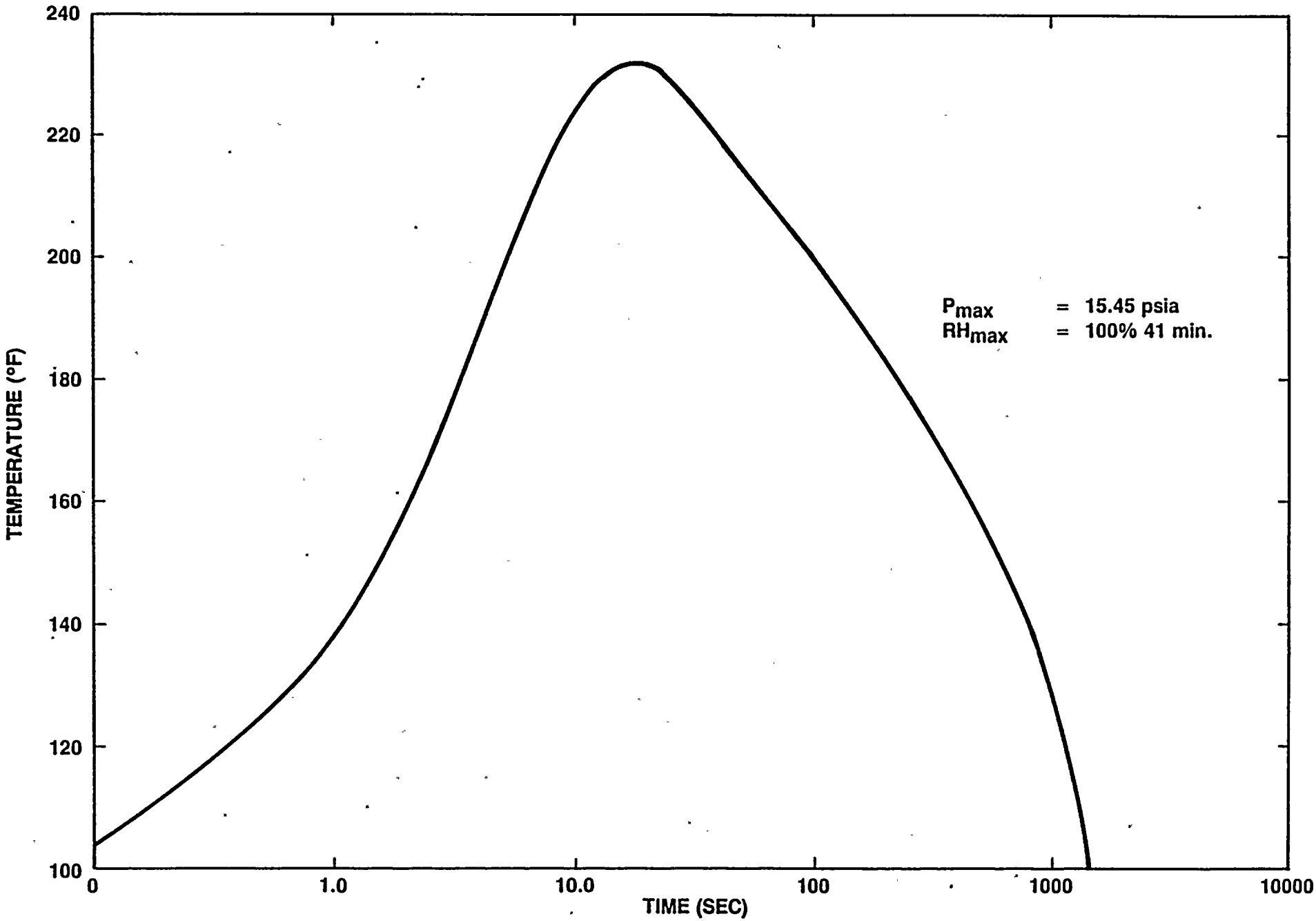
Profile 2 - RELATIVE HUMIDITY IN PRIMARY CONTAINMENT DUE TO LOCA/HELB



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

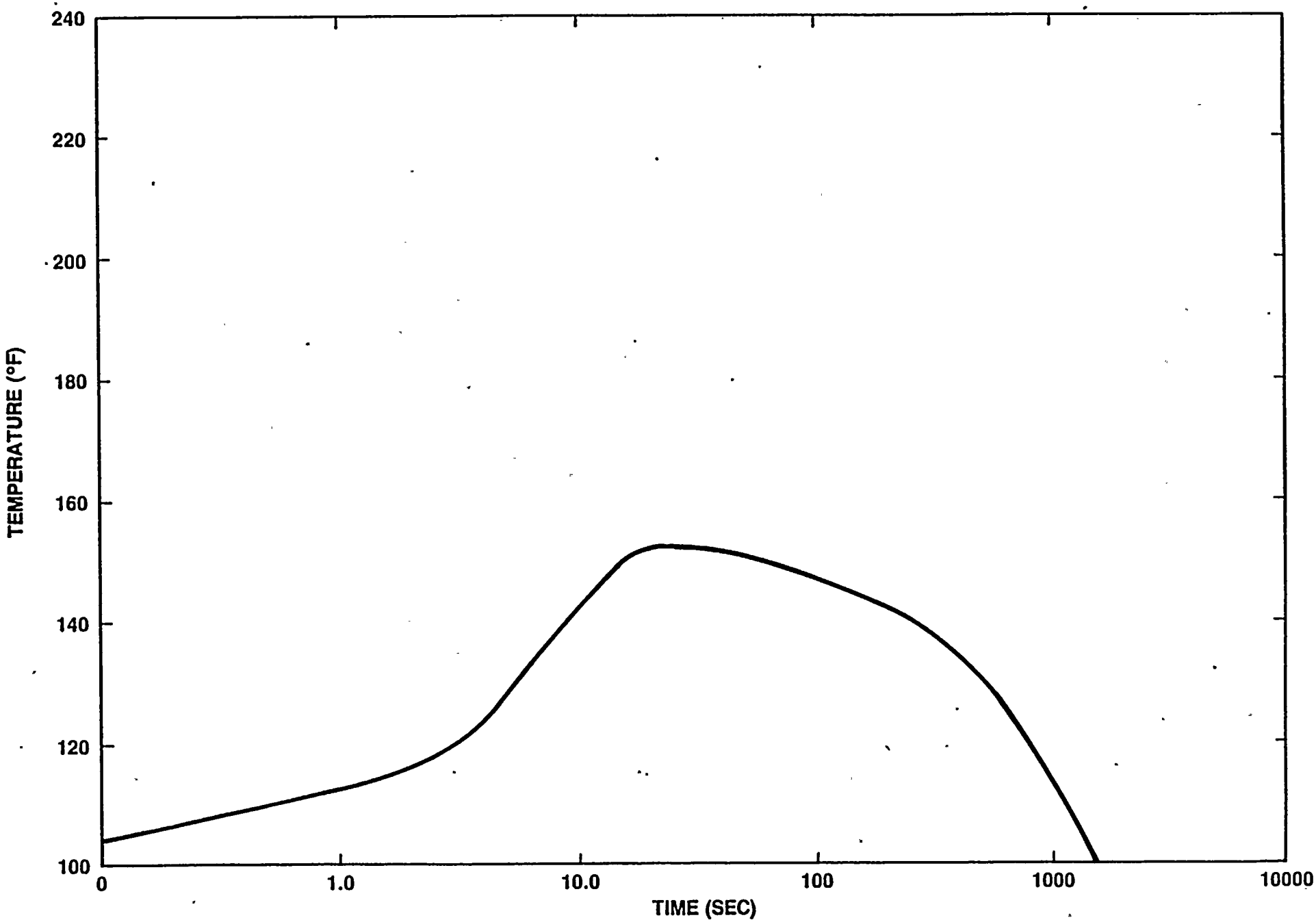
PROFILE 4 REACTOR BUILDING SERVICE CONDITIONS DUE TO A LOCA IN PRIMARY CONTAINMENT





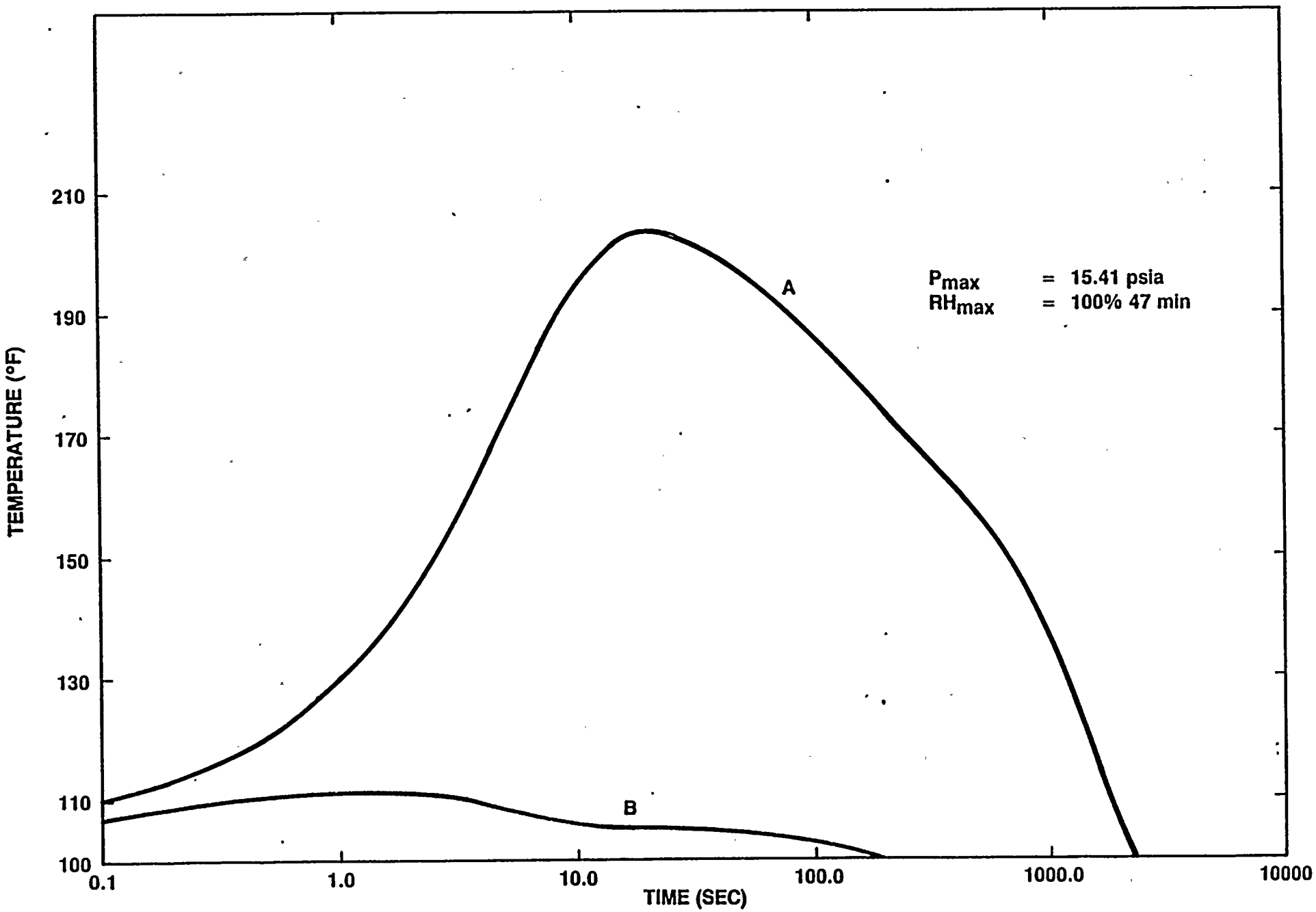
PROFILE 5. 4" RCIC LINE BREAK IN RCIC PUMP ROOM (EL 422). RESPONSE IN RCIC PUMP ROOM (EL 422).

821772-17A



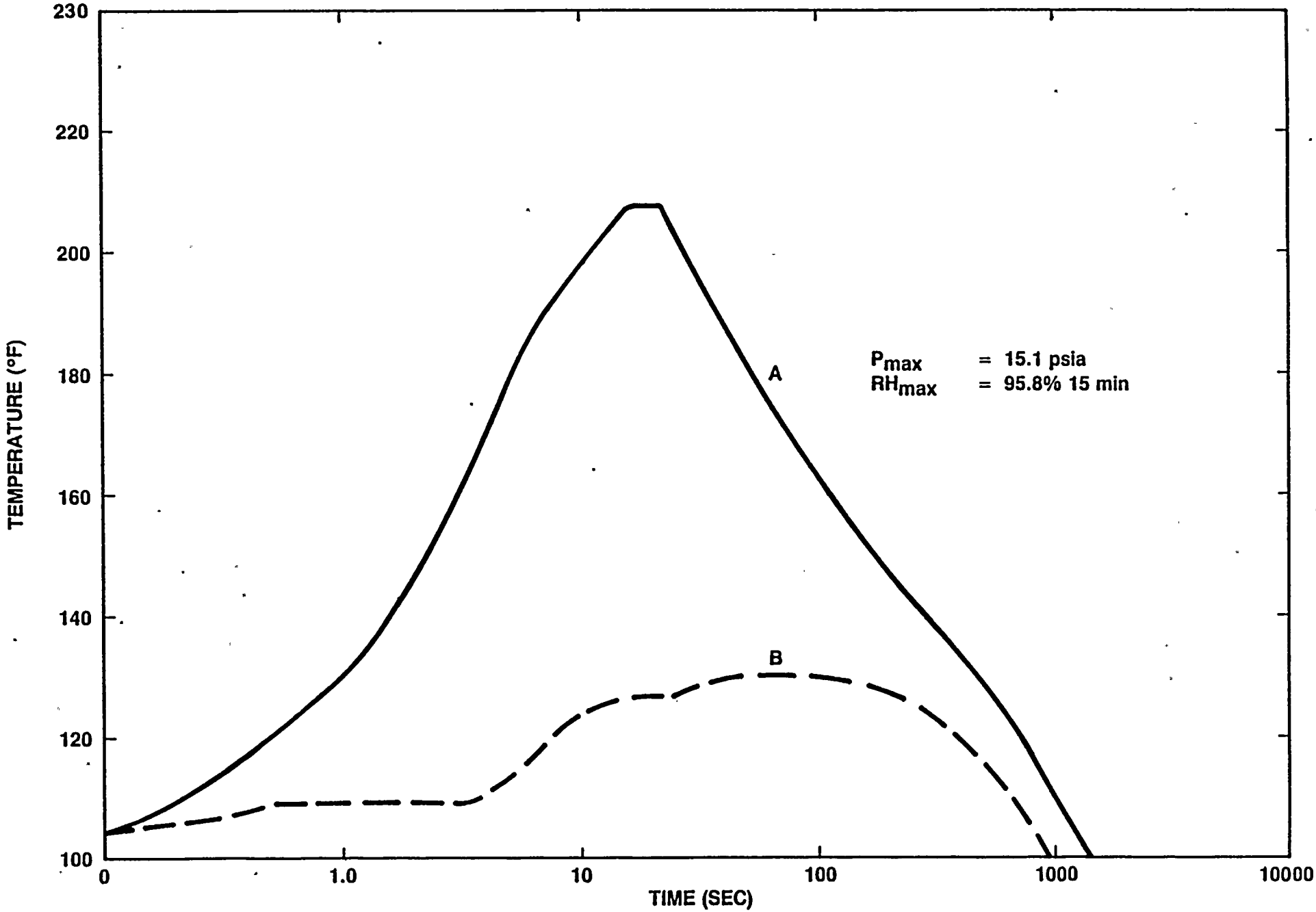
PROFILE 6. 4" RCIC LINE BREAK IN RCIC PUMP ROOM (EL 422). RESPONSE IN ROOM ABOVE RCIC PUMP ROOM (EL 444).

B21772-16A



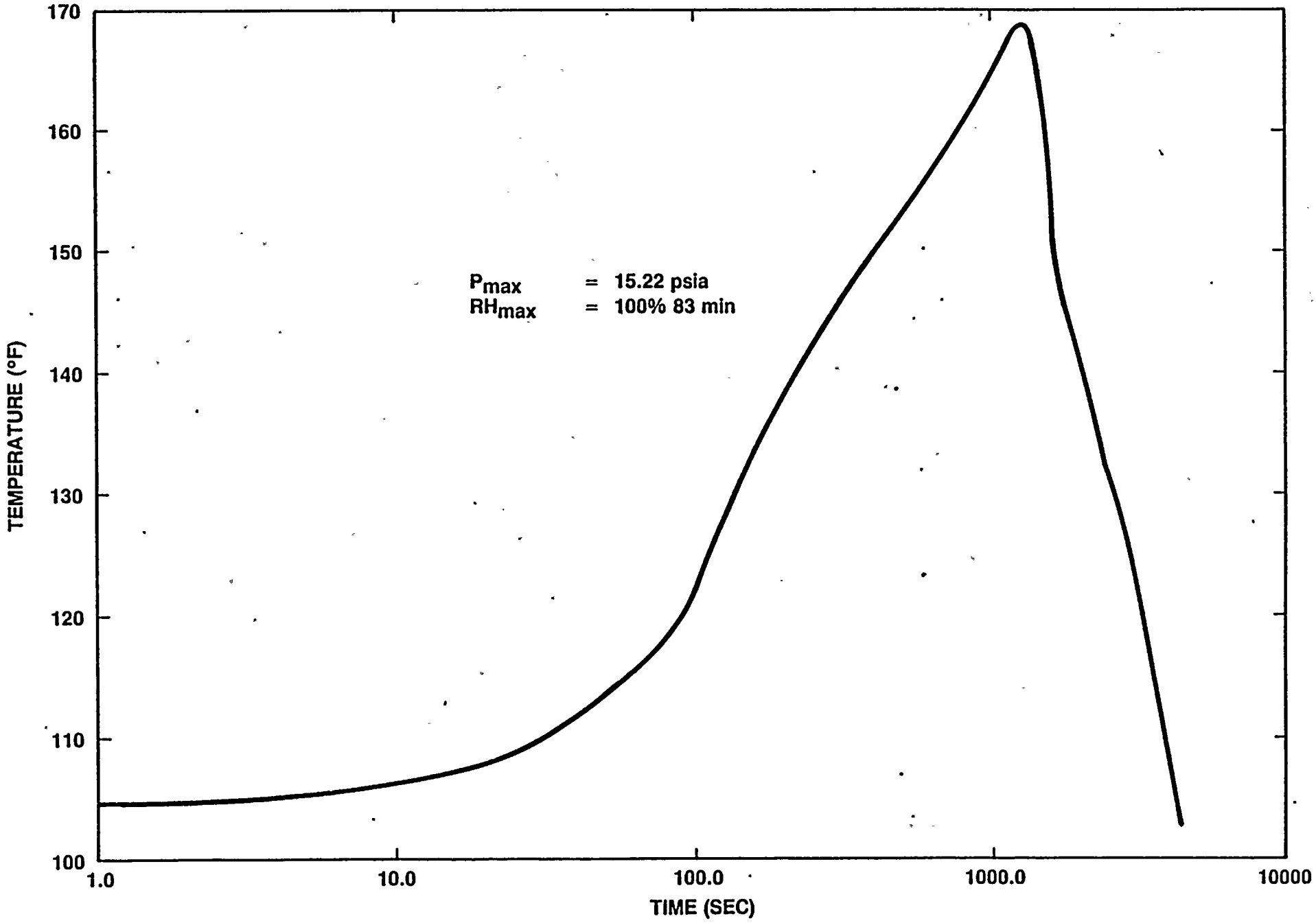
PROFILE 7. BREAK OF 4" RCIC LINE IN ROOM ABOVE RCIC PUMP ROM (EL 444). RESPONSE IN ROOM ABOVE RCIC PUMP ROOM (EL 444) (A) AND RCIC PUMP ROOM (EL 422) (B).

821772 26A



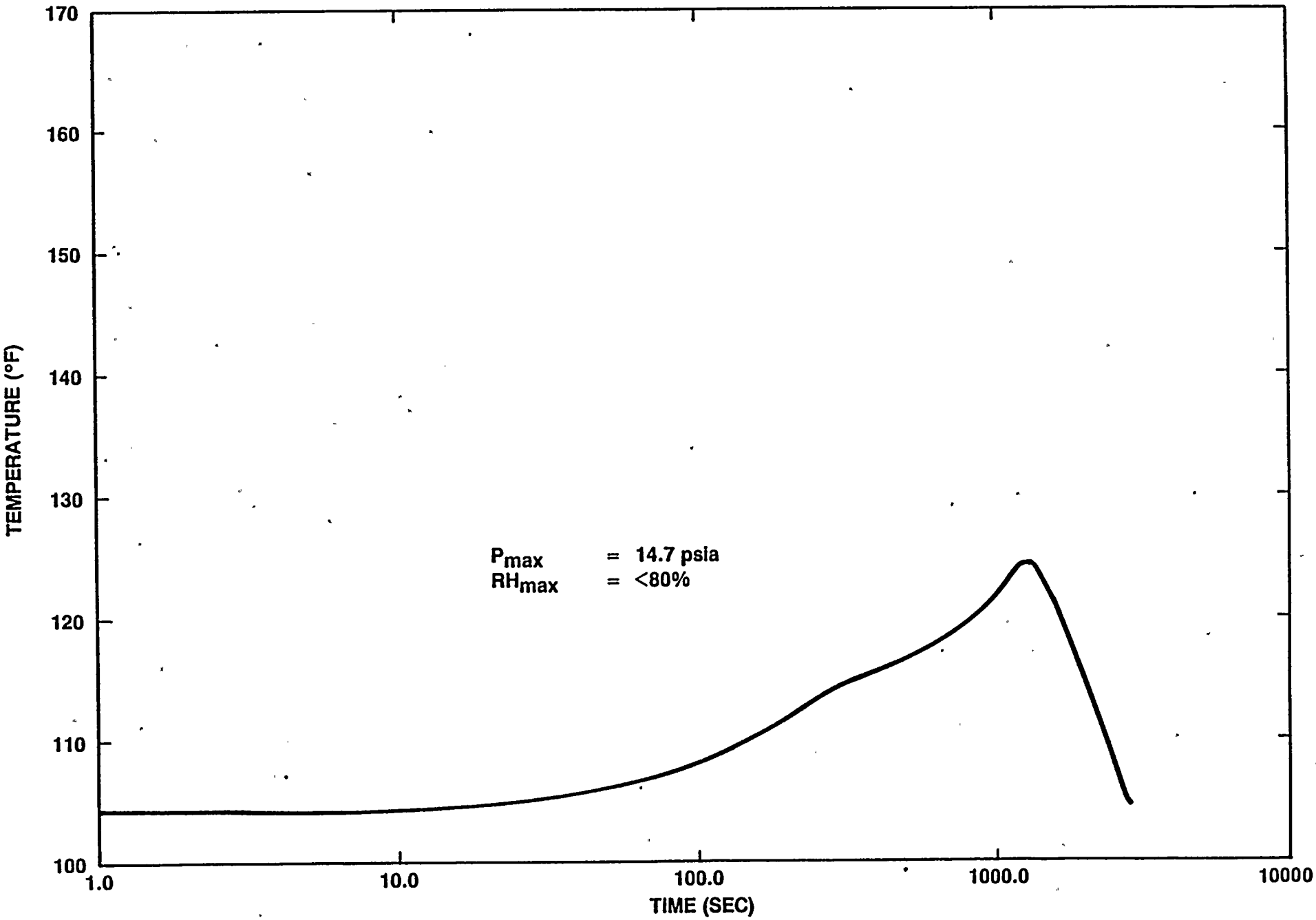
PROFILE 8. BREAK OF 4" RCIC LINE IN ROOM ABOVE RHR PUMP 2C ROOM (EL 444). RESPONSE IN ROOM ABOVE RHR PUMP 2C ROOM (EL 444) (A) AND RHR PUMP 2C ROOM (EL 422) (B).

821772 1A



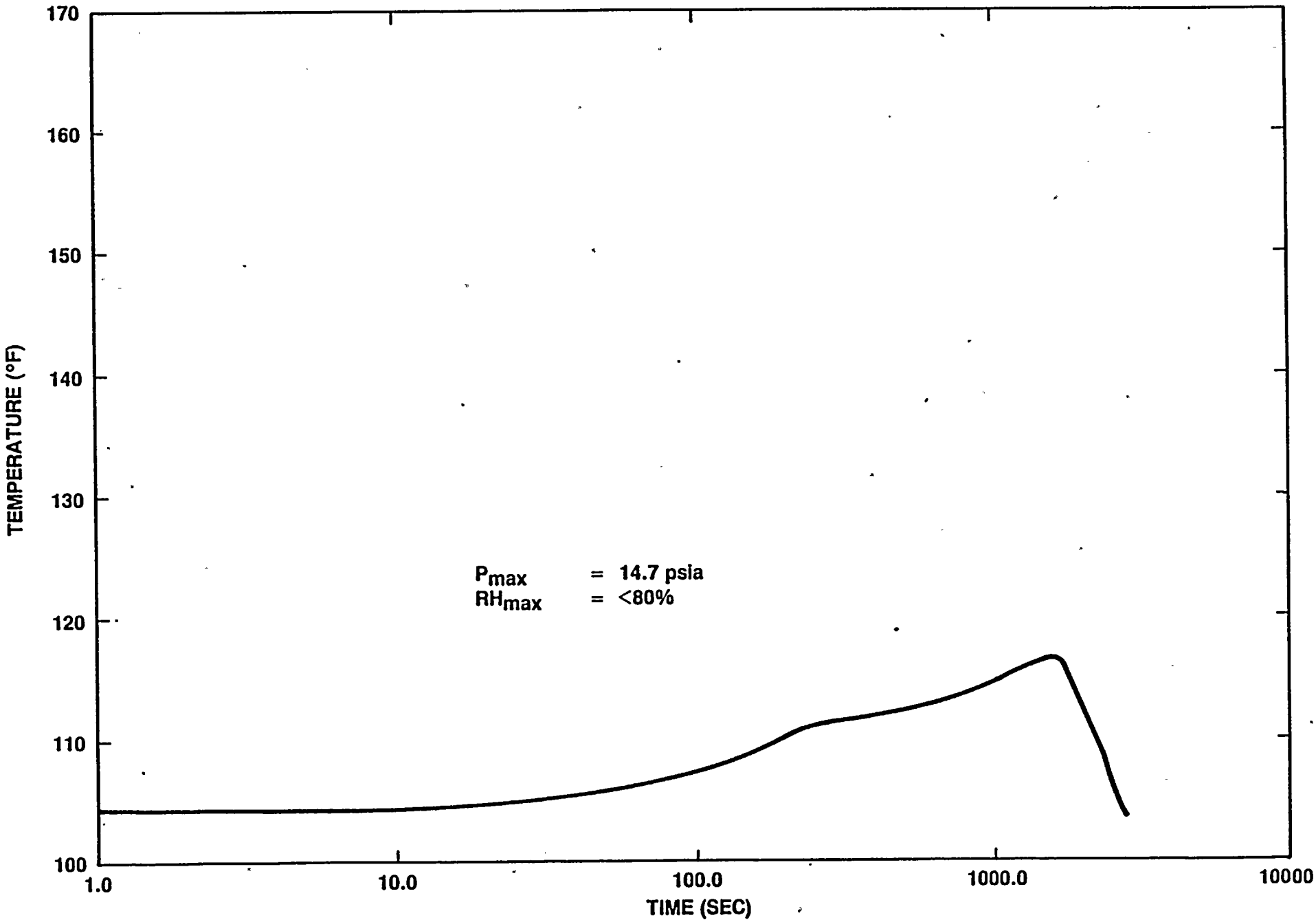
PROFILE 9. 4" AS LINE BREAK IN THE SOUTHEAST OPEN FLOOR AREA (EL 471). RESPONSE IN ALL OPEN FLOOR AREA (EL 471).

821772-27A



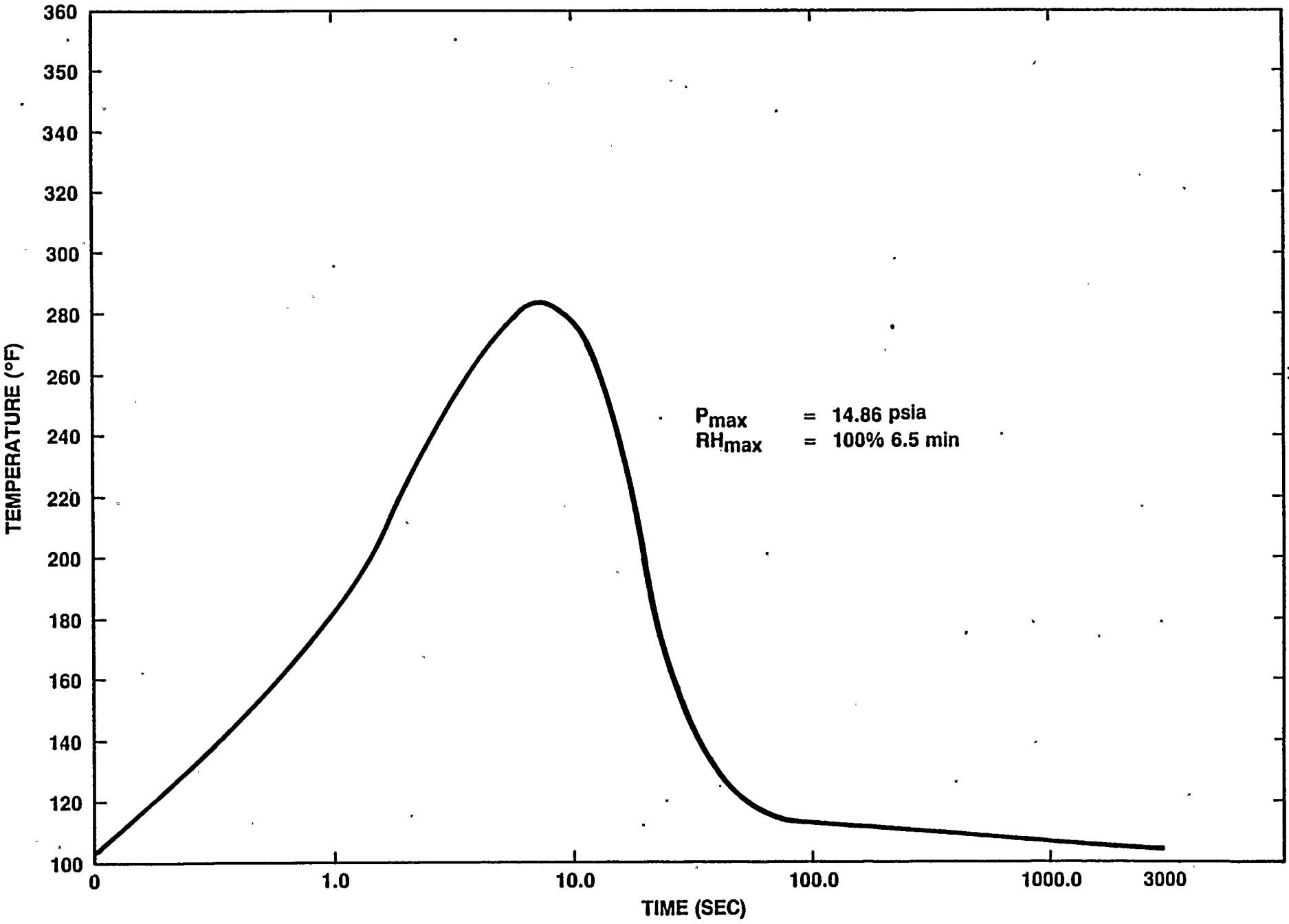
PROFILE 10. 4" AS LINE BREAK IN THE SOUTHEAST OPEN FLOOR AREA (EL 471). RESPONSE IN ALL OPEN FLOOR AREA (EL 501).

821772-19A



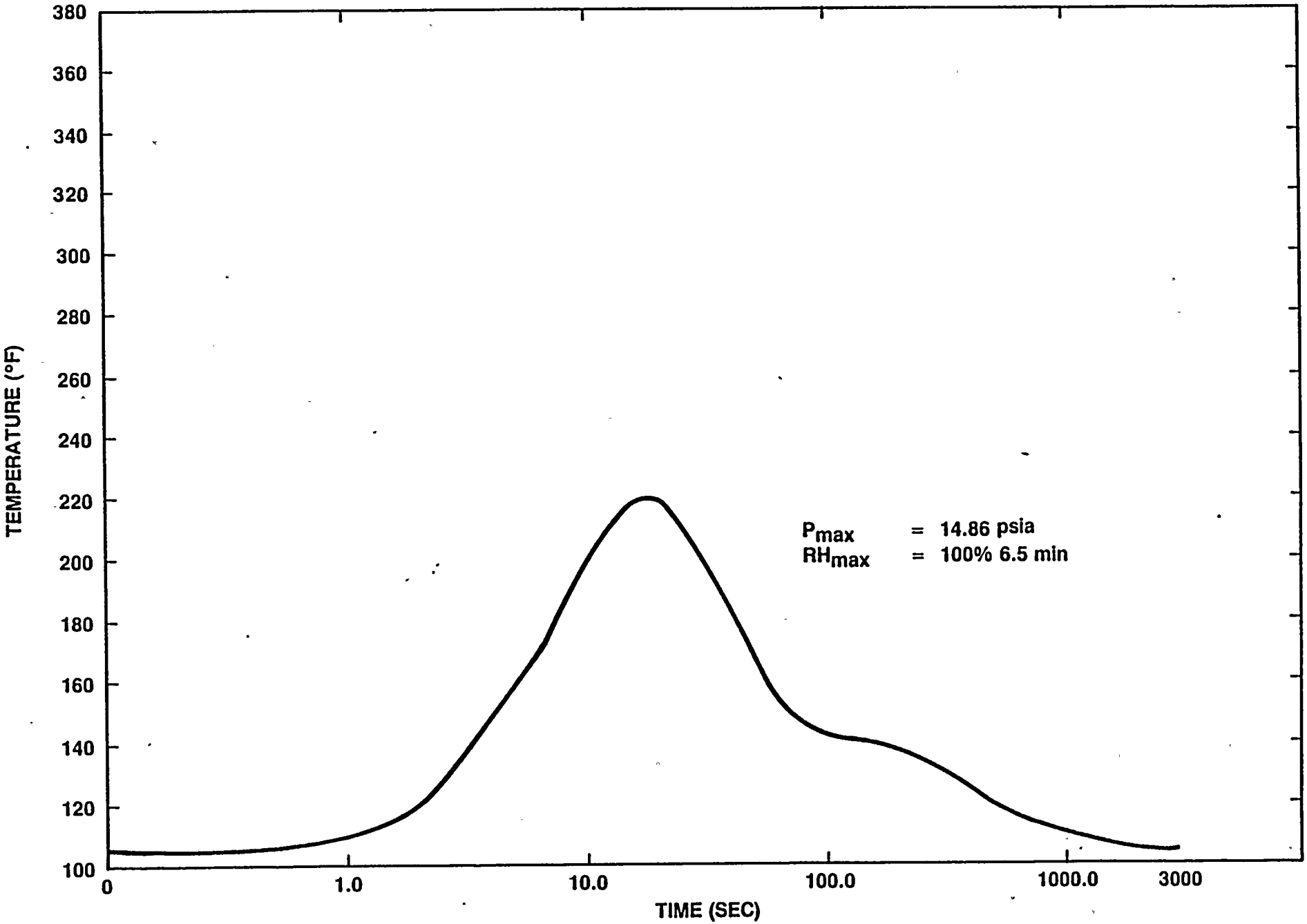
PROFILE 11. 4" AS LINE BREAK IN THE SOUTHEAST OPEN FLOOR AREA (EL 471). RESPONSE IN ALL OPEN FLOOR AREA (EL 522).

821772-18A



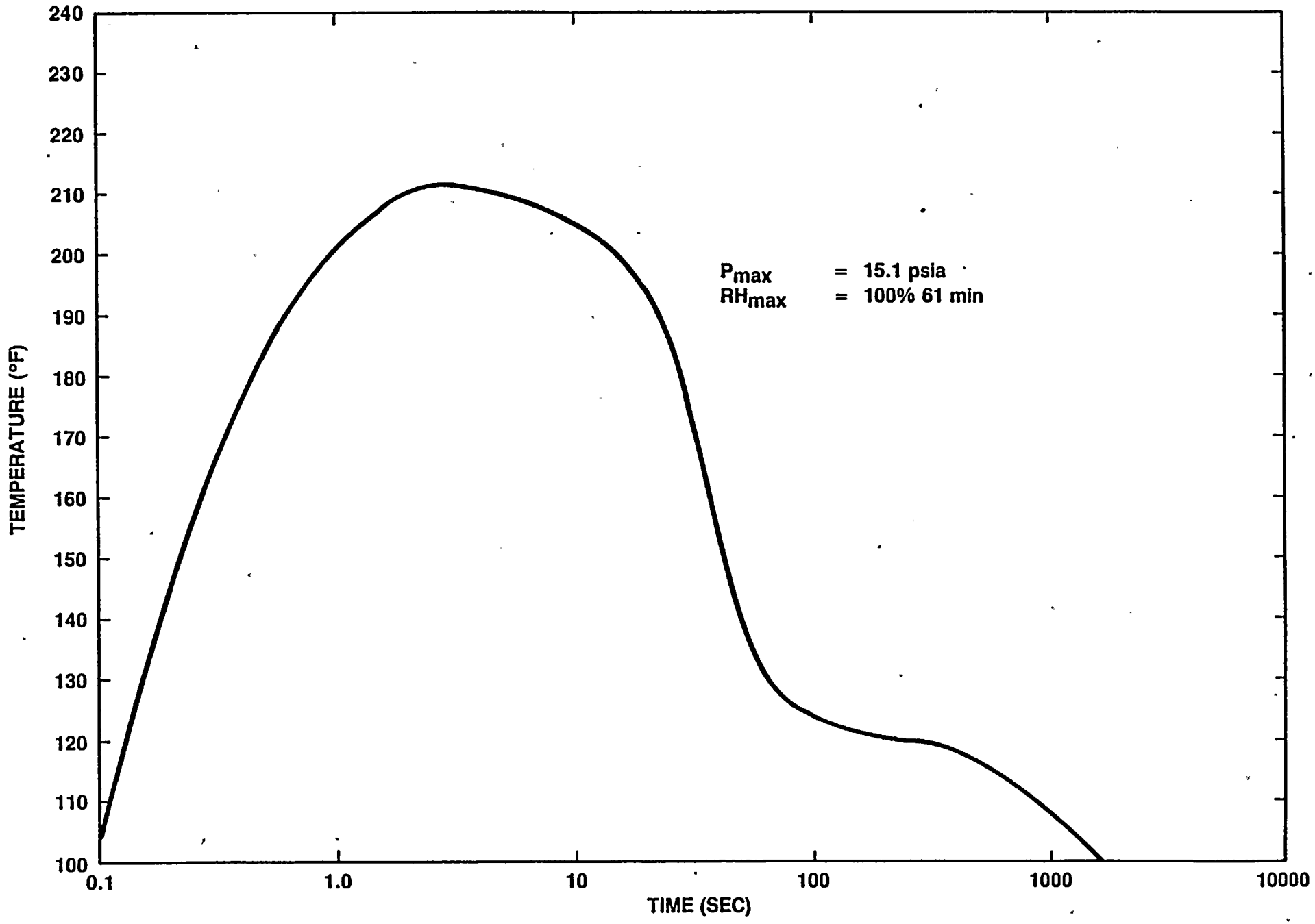
PROFILE 12. 4" RCIC LINE BREAK IN T.I.P. ROOM (EL 501). RESPONSE IN T.I.P. ROOM (EL 501).

821772 4A



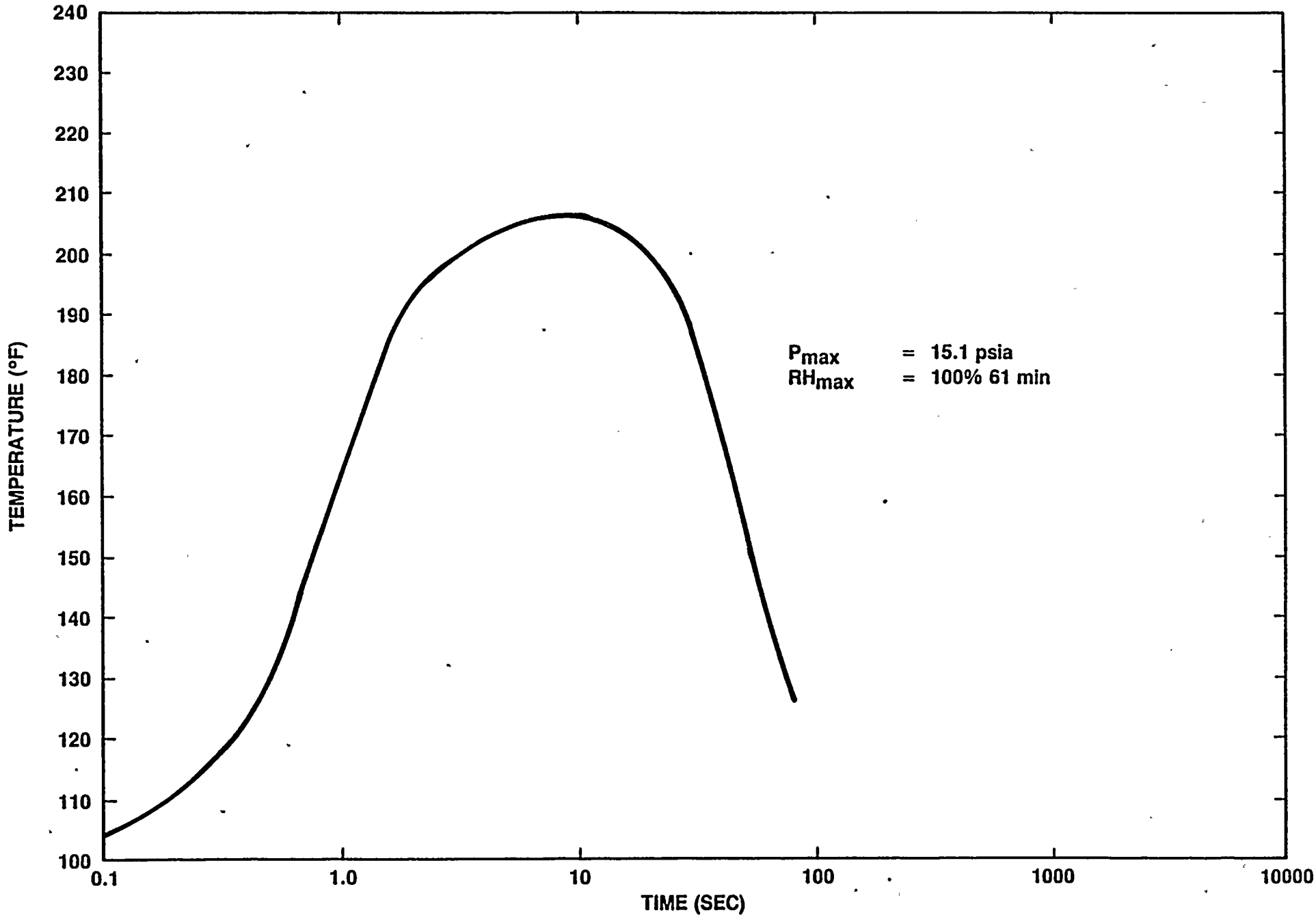
PROFILE 13. . 4" RCIC LINE BREAK IN T.I.P. ROOM (EL 501). RESPONSE IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5).

821772-28A



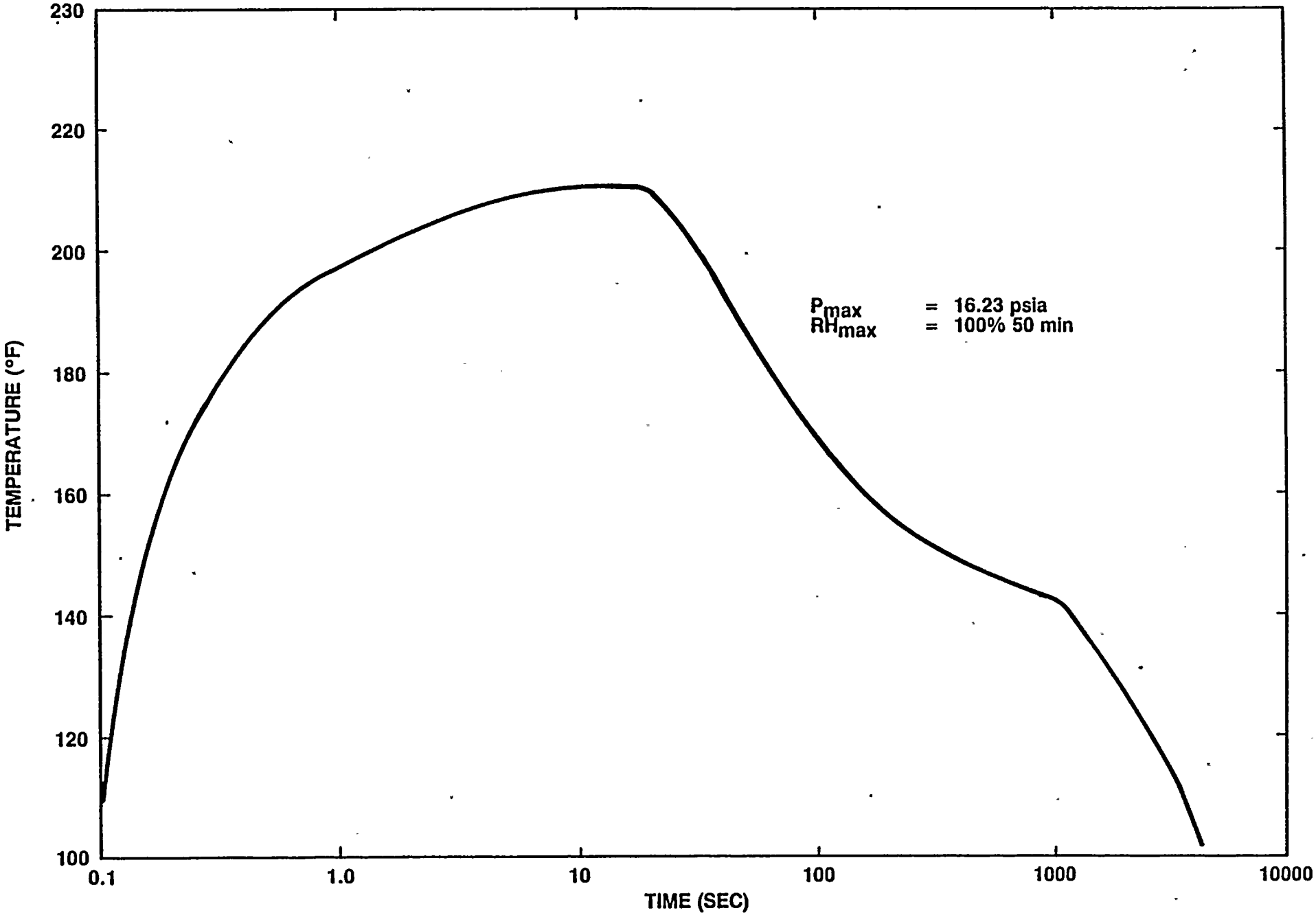
PROFILE 14. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5). RESPONSE IN VALVE ROOM ABOVE T.I.P. ROOM (EL 501).

821772-9A



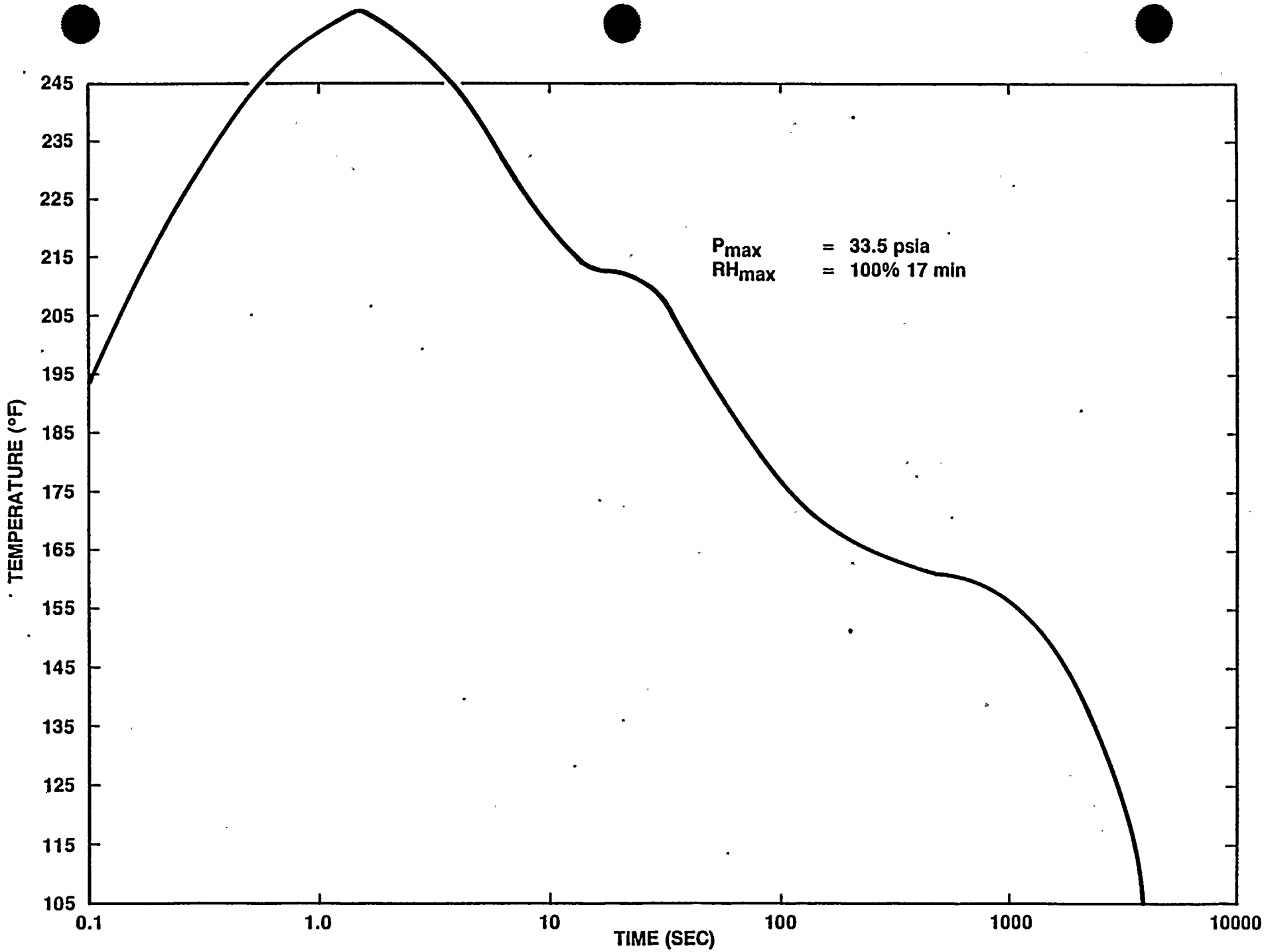
PROFILE 15. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5). RESPONSE IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5).

821772-10A



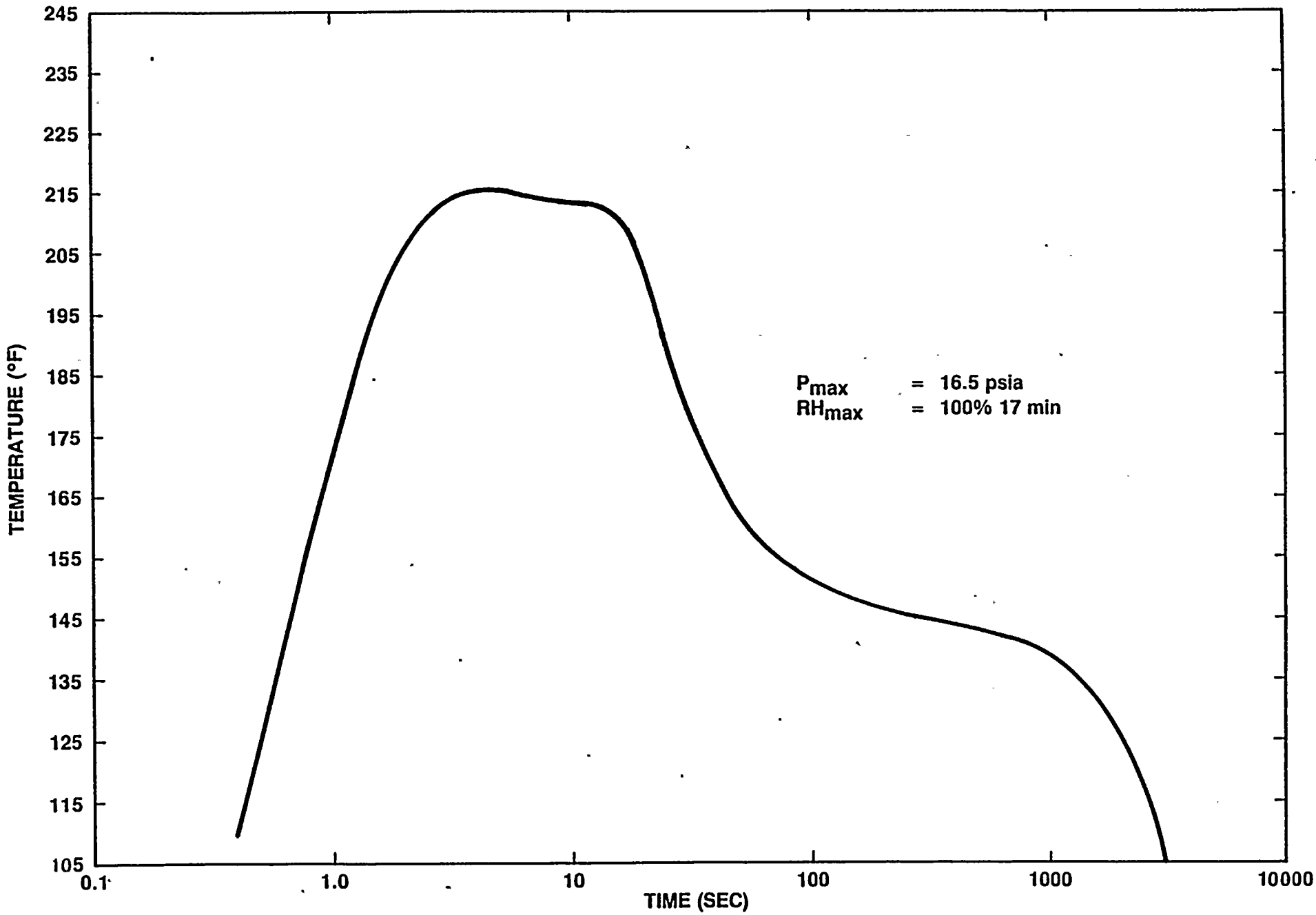
PROFILE 16. 6" RWCU LINE BREAK IN THE VALVE ROOM NORTH OF CONTAINMENT (EL 522). RESPONSE IN THE VALVE ROOM NORTH OF CONTAINMENT (EL 522).

821772 24A



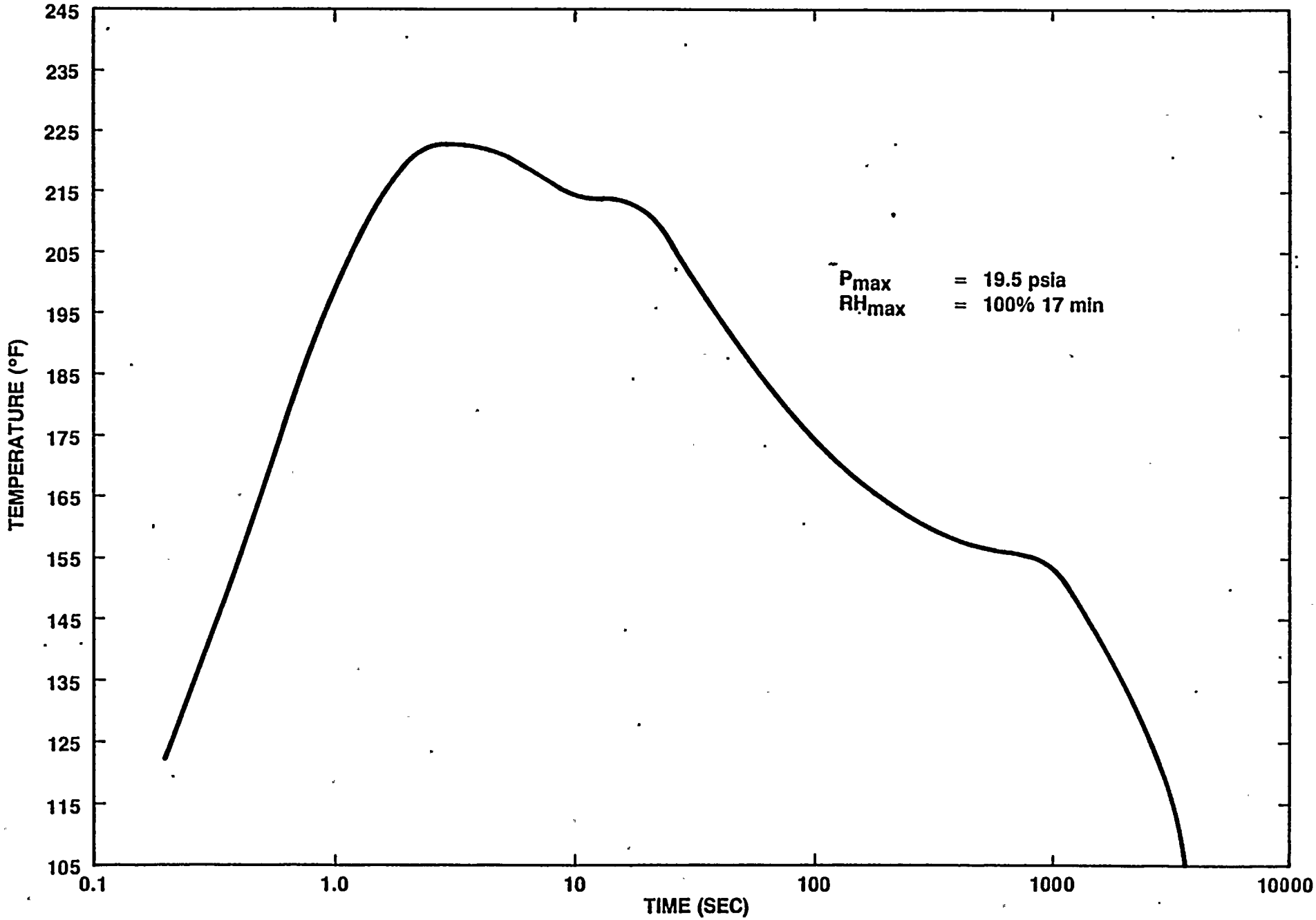
PROFILE 17. 4" RWCU LINE BREAK IN RWCU PUMP ROOMS (EL 522). RESPONSE IN RWCU PUMP ROOMS (EL 522).

821772-12A



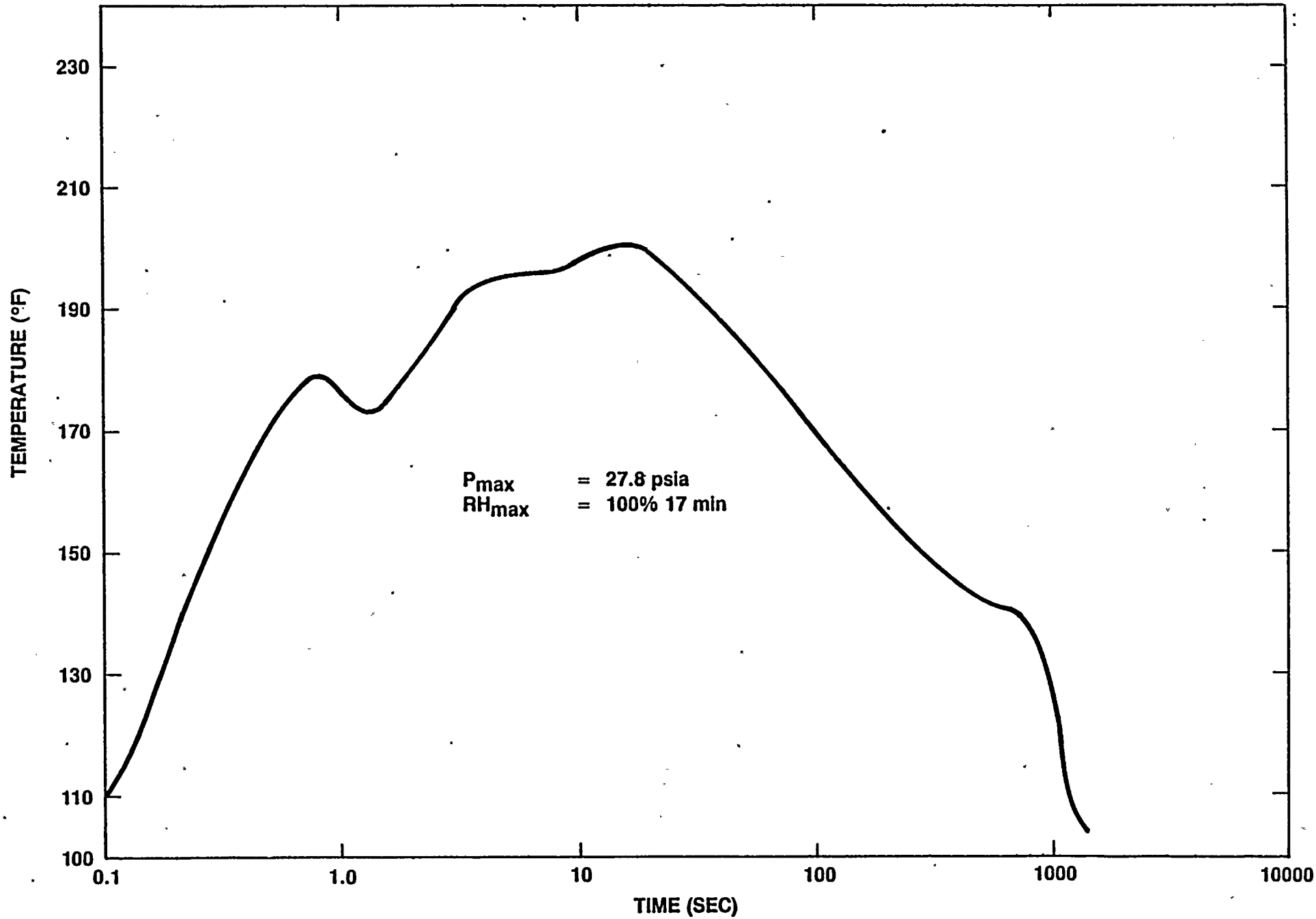
PROFILE 18. 4" RWCU LINE BREAK IN RWCU PUMP ROOMS (EL 522). RESPONSE IN VALVE ROOM SOUTH OF CONTAINMENT (EL 522).

821772-11A



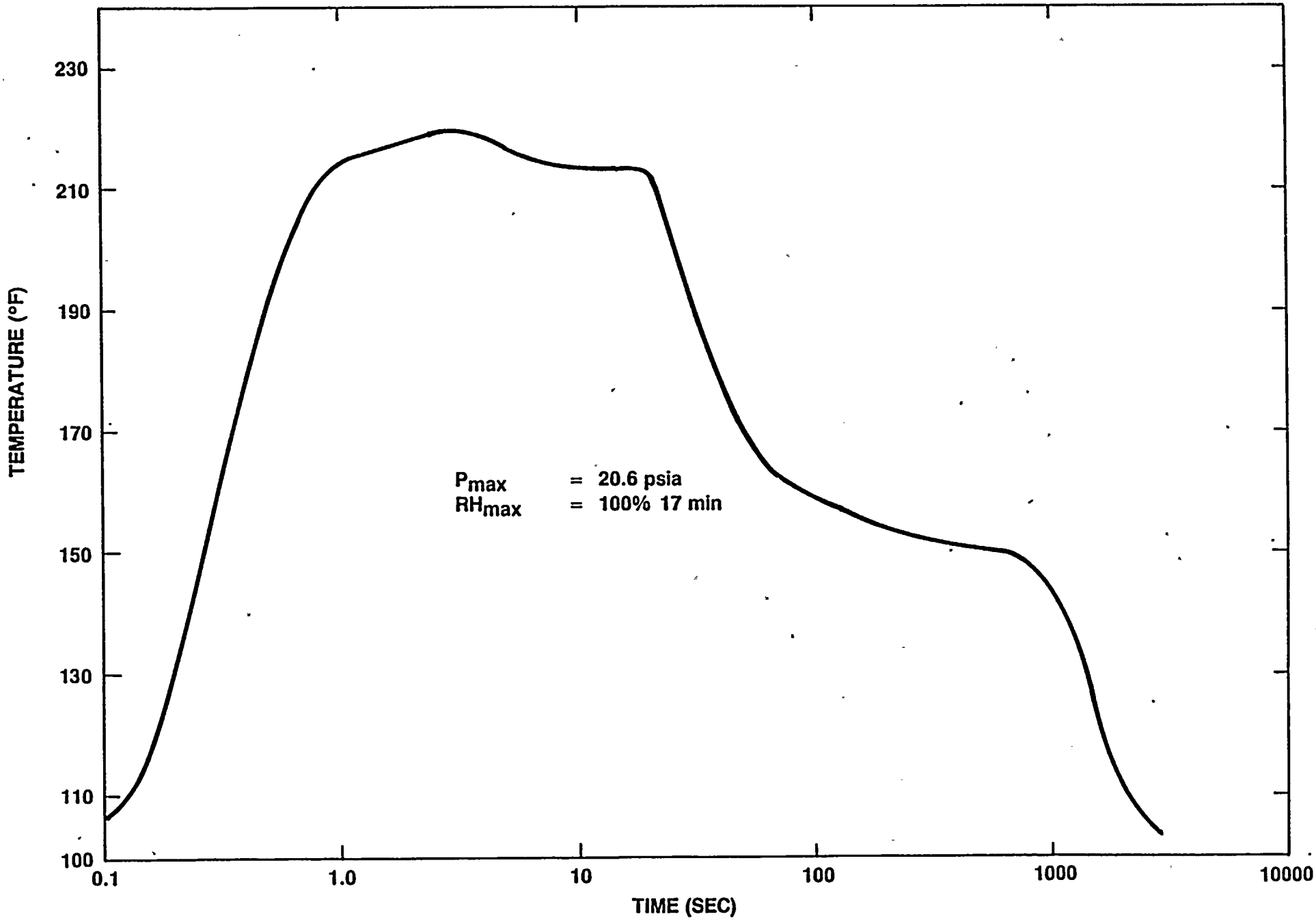
PROFILE 19. 4" RWCU LINE BREAK IN RWCU PUMP ROOMS (EL 522). RESPONSE IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535).

821772-7A



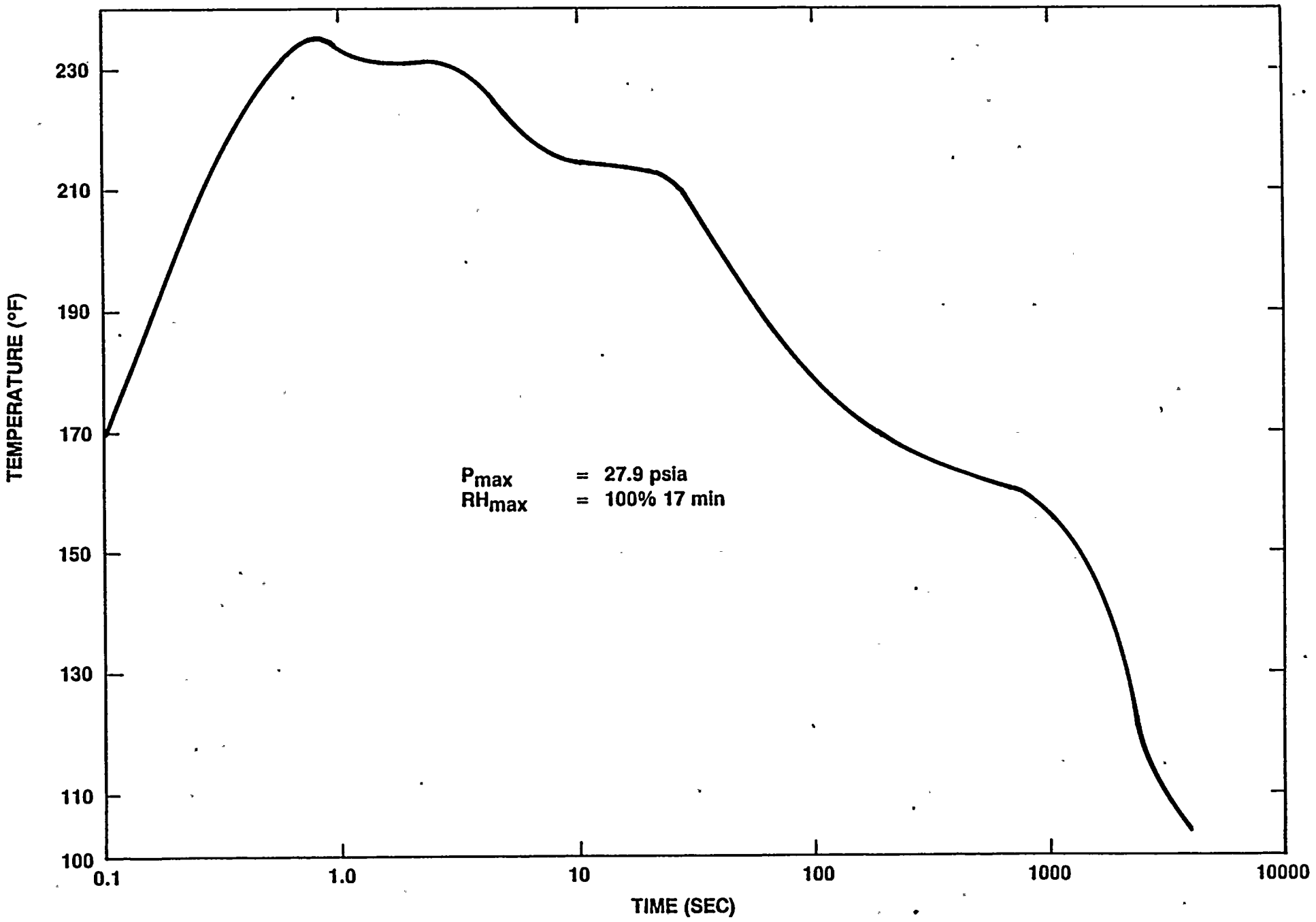
PROFILE 20. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535). RESPONSE IN RWCU PUMP ROOMS (EL 522).

821772-6A



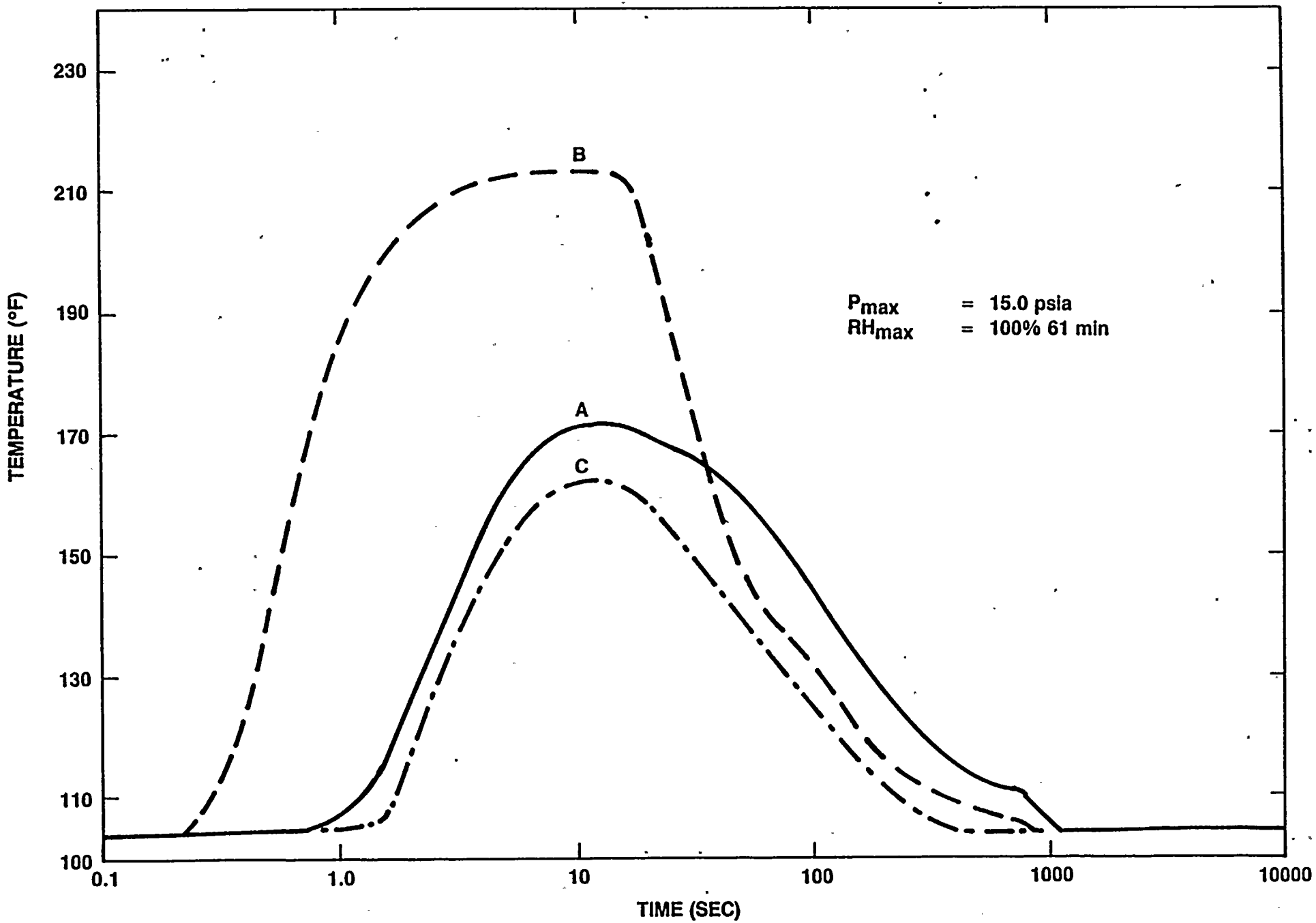
PROFILE 21. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535). RESPONSE IN VALVE ROOM SOUTH OF CONTAINMENT (EL 522).

621772-25A



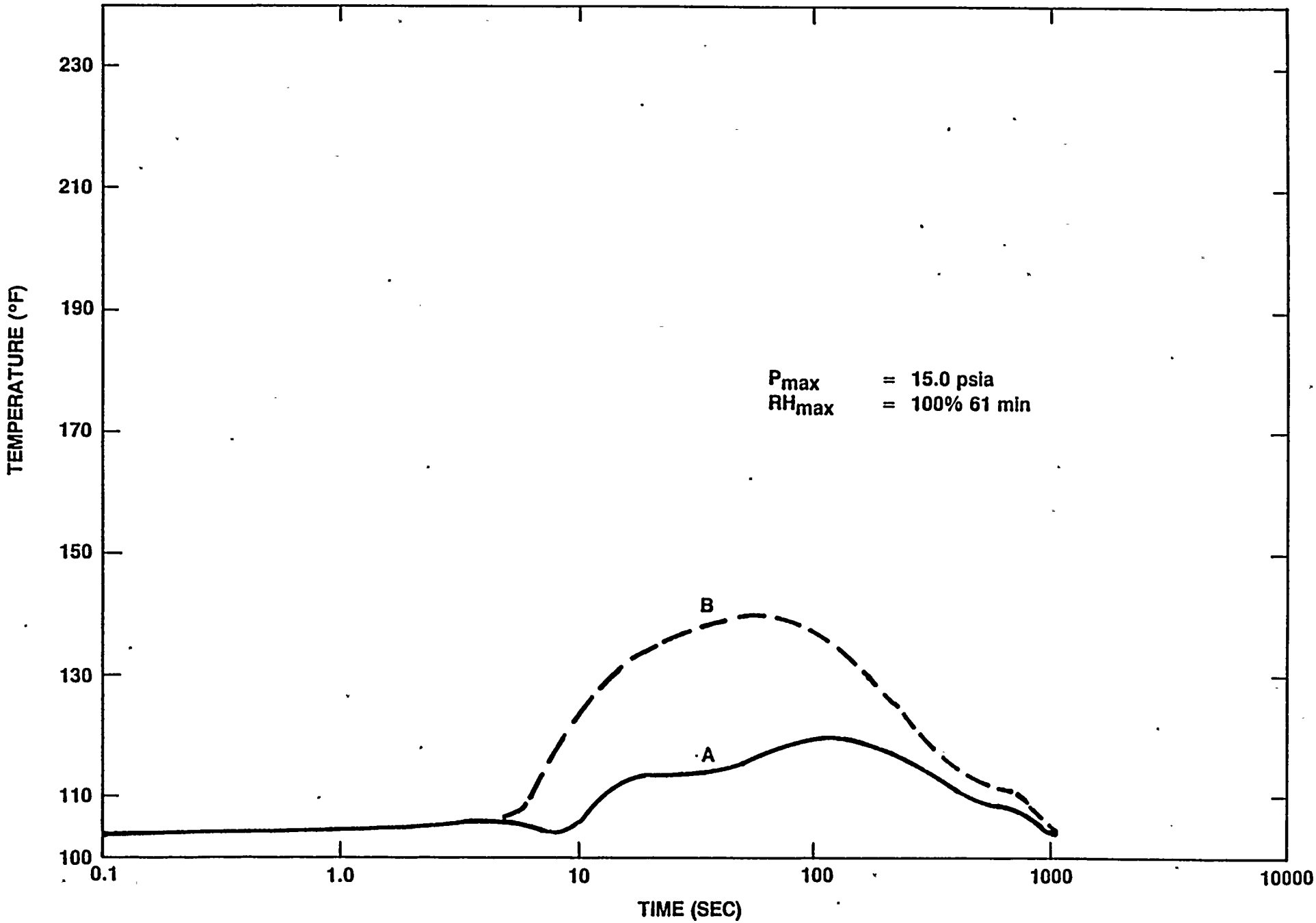
PROFILE 22. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535). RESPONSE IN VALVE ROOM ABOVE PUMP ROOMS (EL 535).

821772-5A



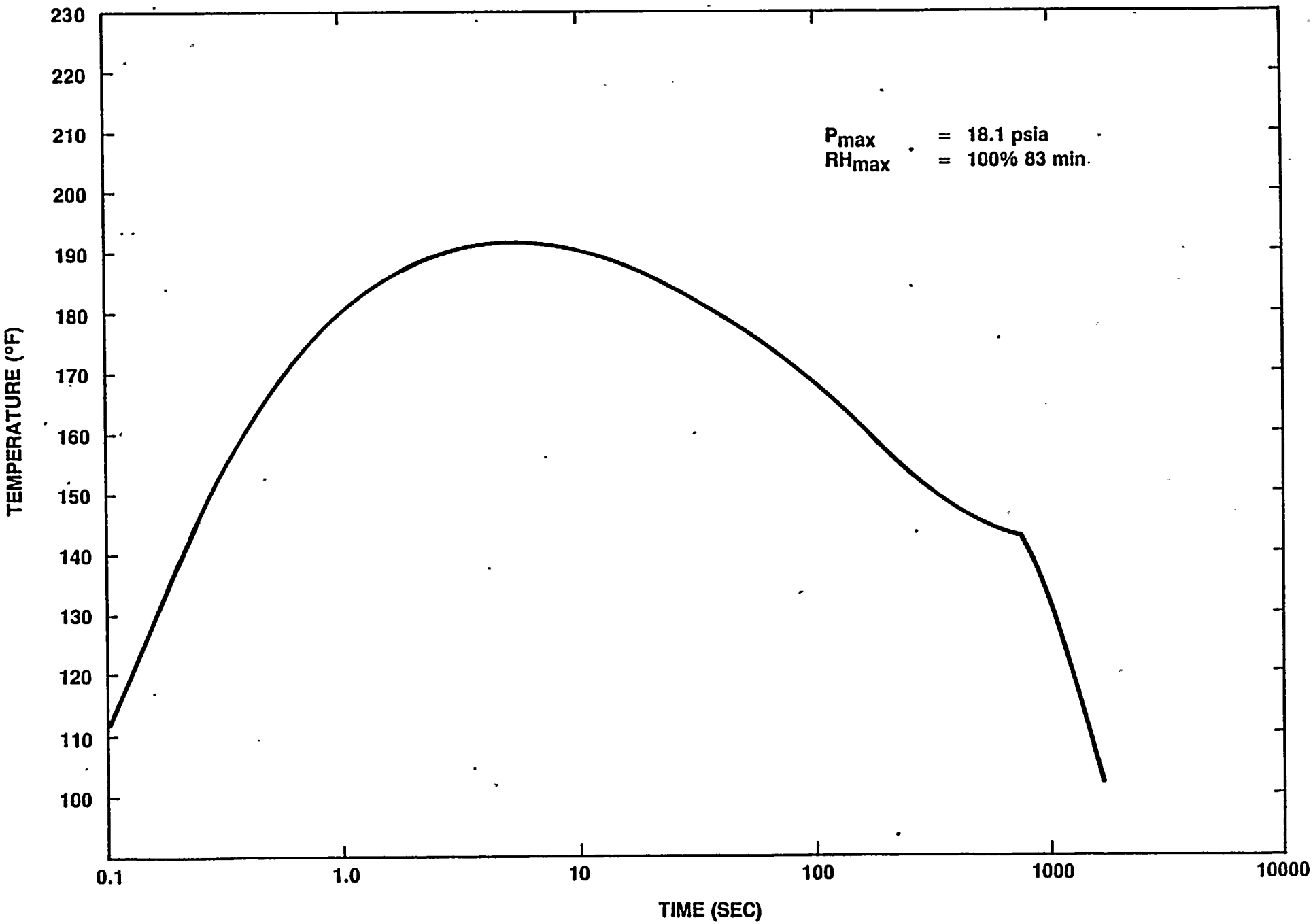
PROFILE 23. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535). RESPONSE IN SOUTHEAST (A), SOUTH (B), SOUTHWEST (C) AREAS (EL 522).

821772-2A



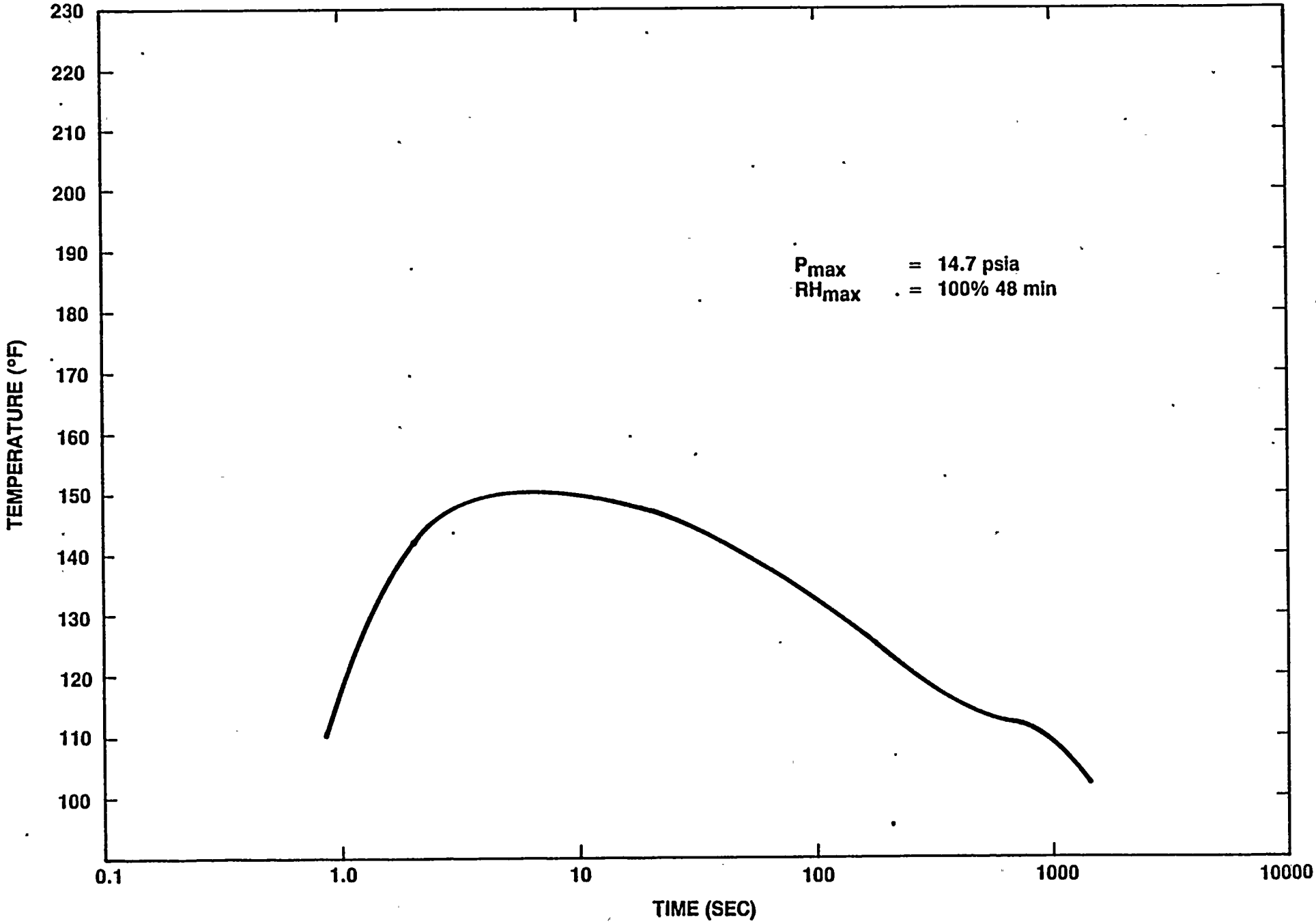
PROFILE 24. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535). RESPONSE IN CRD EAST (A), CRD EAST WALKWAY (B) AREAS (EL 522).

621772-3A



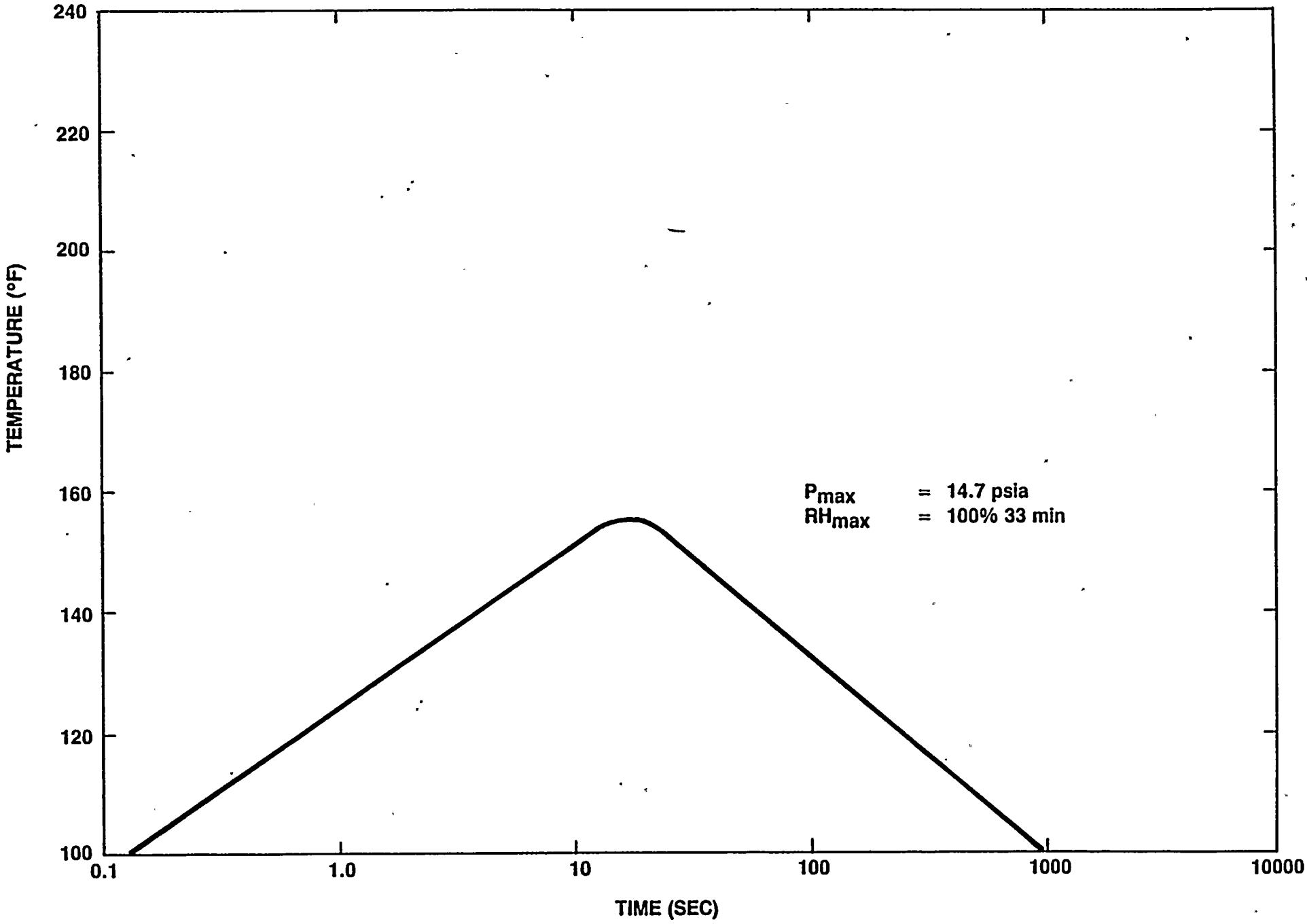
PROFILE 25. 6" RWCU LINE BREAK IN THE RWCU HEAT EXCHANGER ROOM (EL 548). RESPONSE IN RWCU HEAT EXCHANGER ROOM (EL 548).

821772-15A



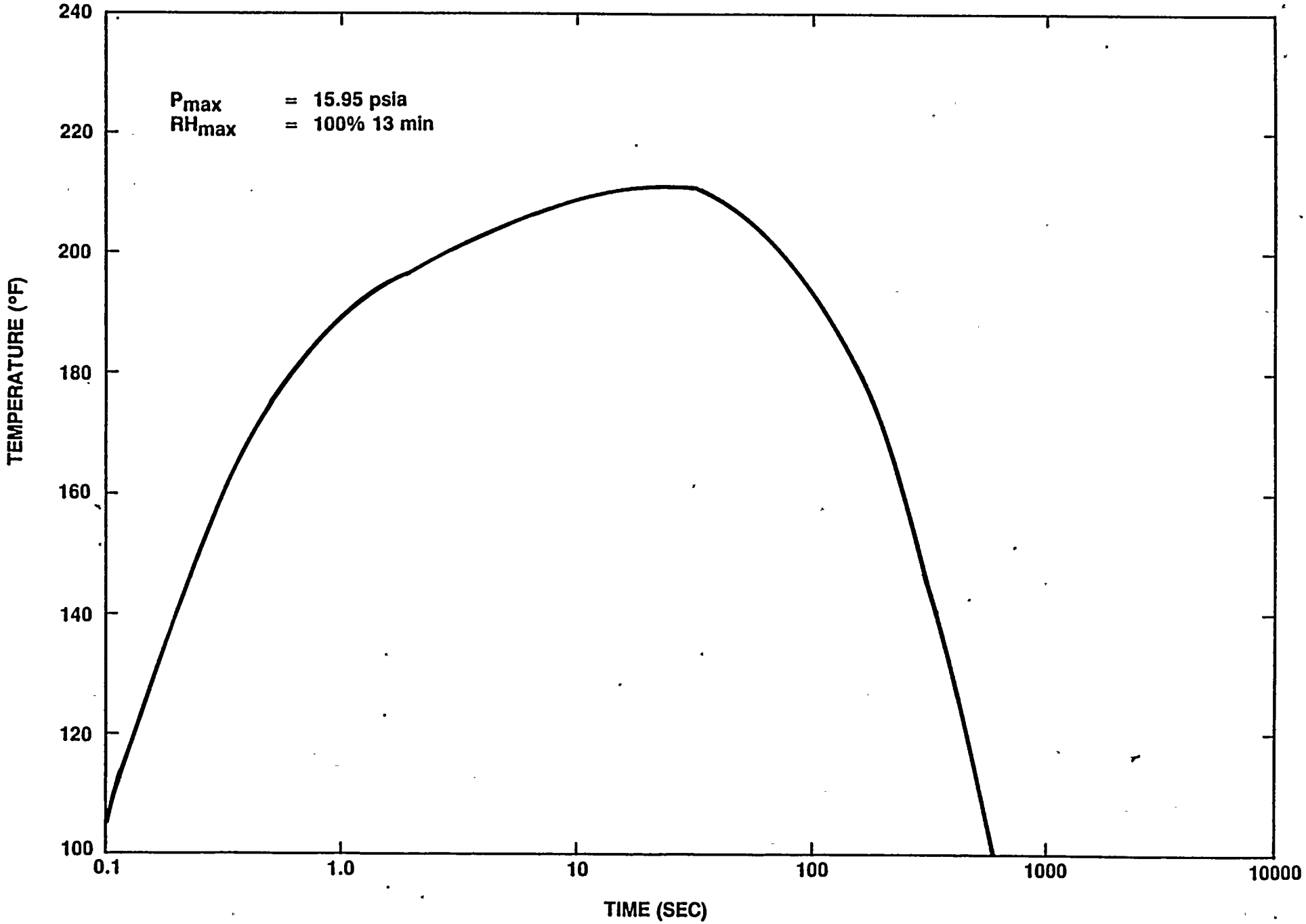
PROFILE 26. 6" RWCU LINE BREAK IN THE RWCU HEAT EXCHANGER ROOM (EL 548). RESPONSE IN NE AREA OF EL 548.

821772-14A



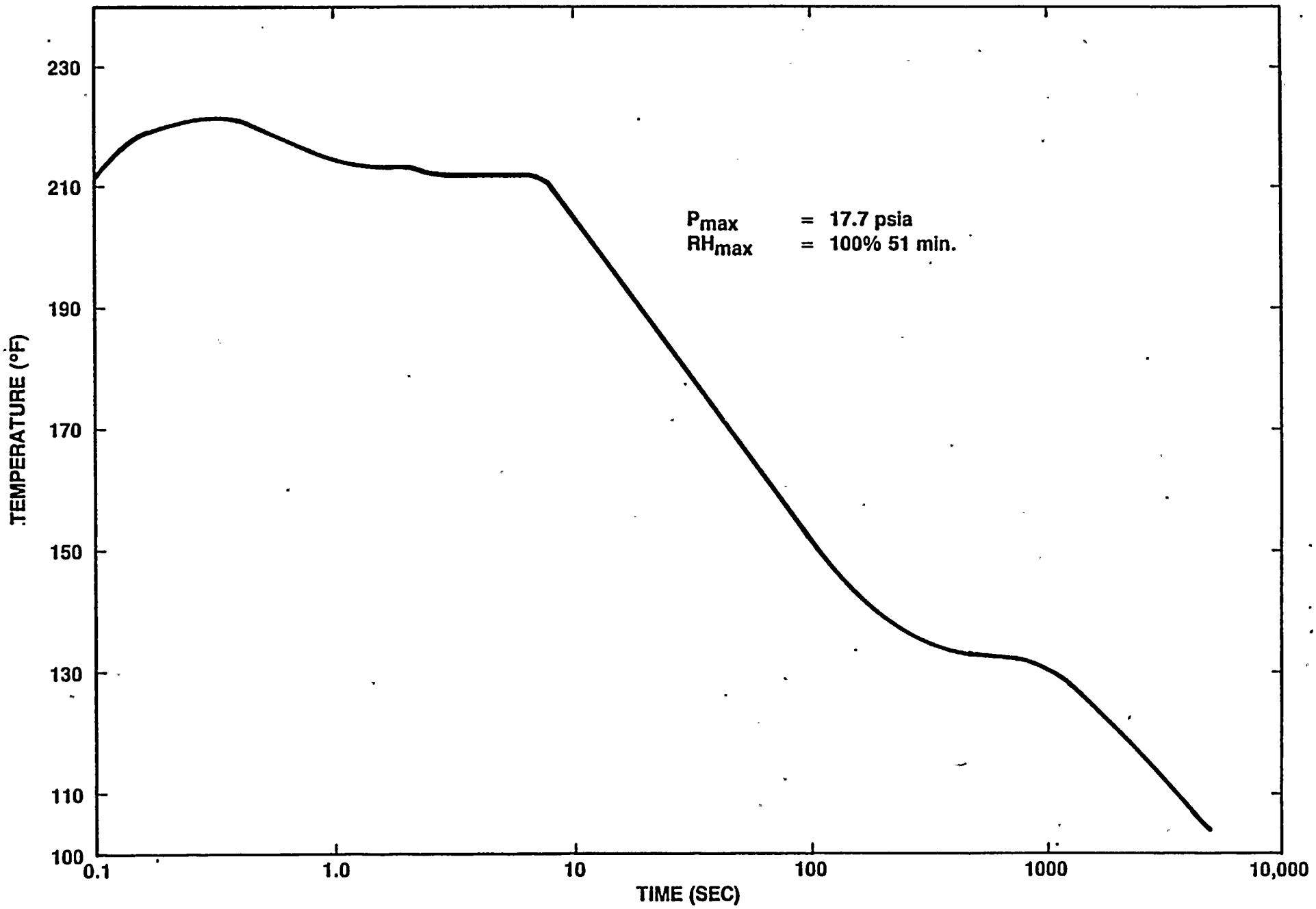
PROFILE 27. 6" RWCU LINE BREAK IN THE RWCU HEAT EXCHANGER ROOM (EL 548). RESPONSE IN NW AREA OF EL 548.

821772-8A



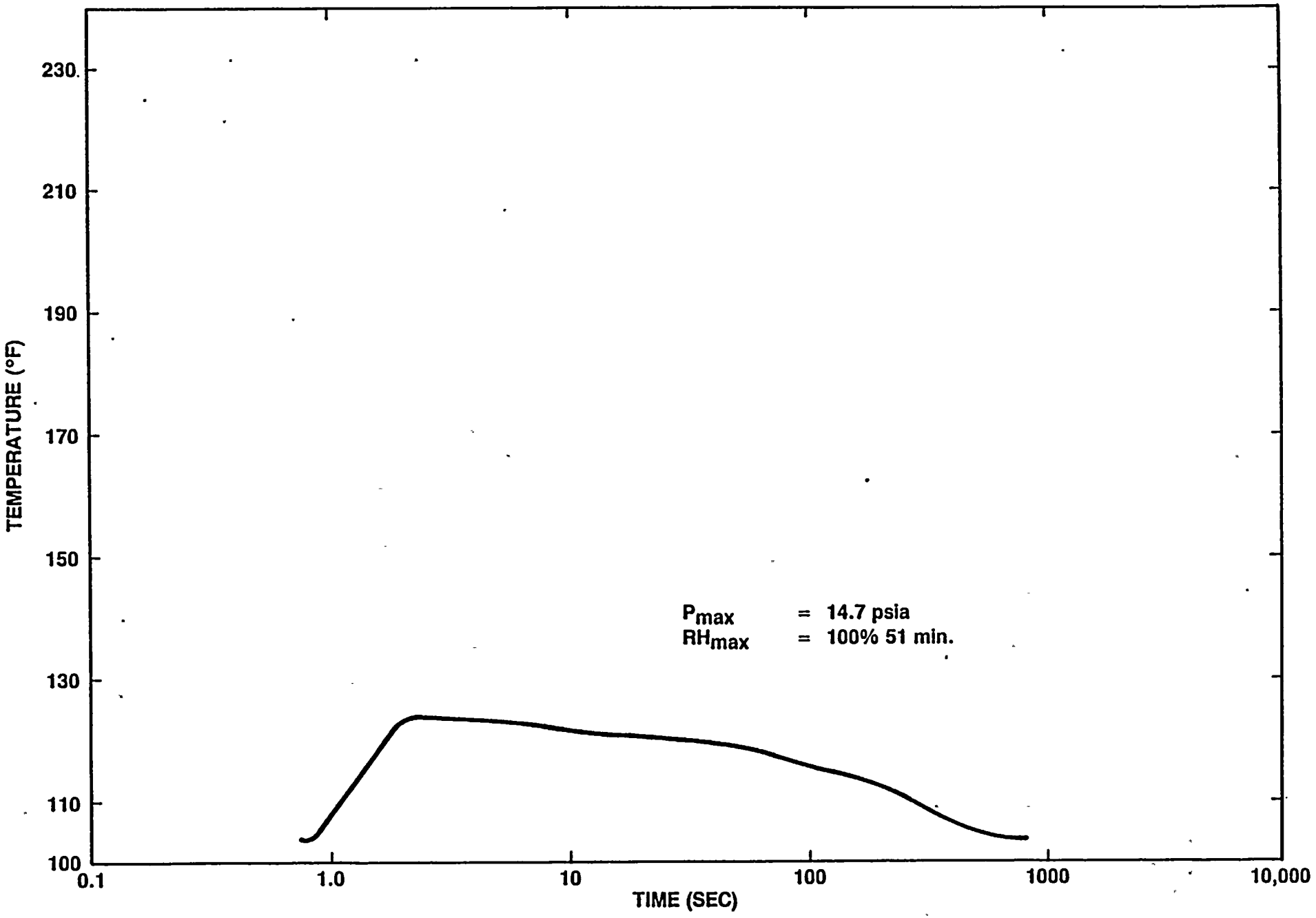
PROFILE 28. 6" RWCU LINE BREAK IN VALVE ROOM NORTH OF CONTAINMENT (EL 548). RESPONSE IN VALVE ROOM NORTH OF CONTAINMENT (EL 548).

821772-13A



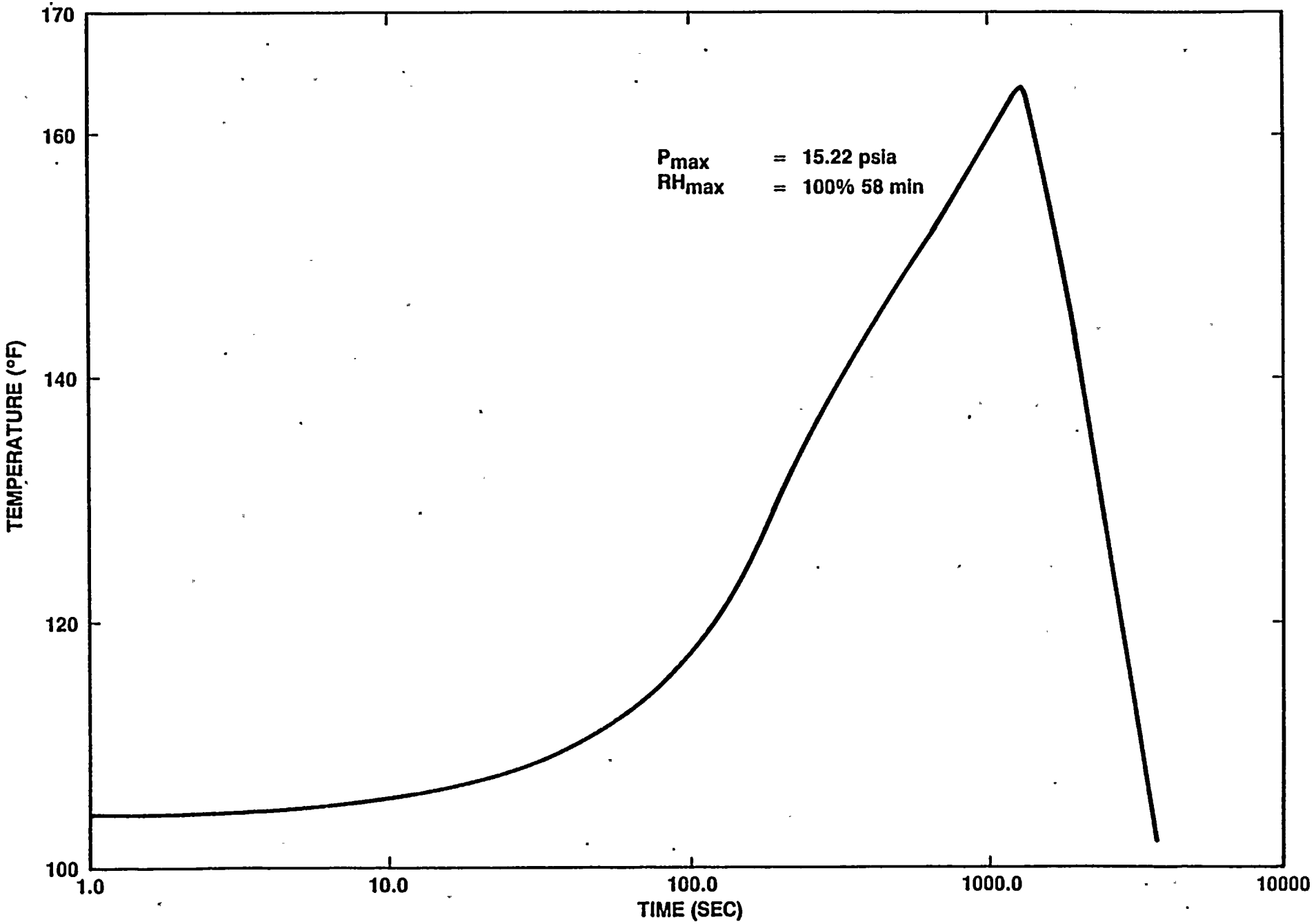
PROFILE 29. 6″ RWCU LINE BREAK IN VALVE ROOM SOUTH OF CONTAINMENT (EL 548). RESPONSE IN VALVE ROOM SOUTH OF CONTAINMENT (EL 548).

821772-21A



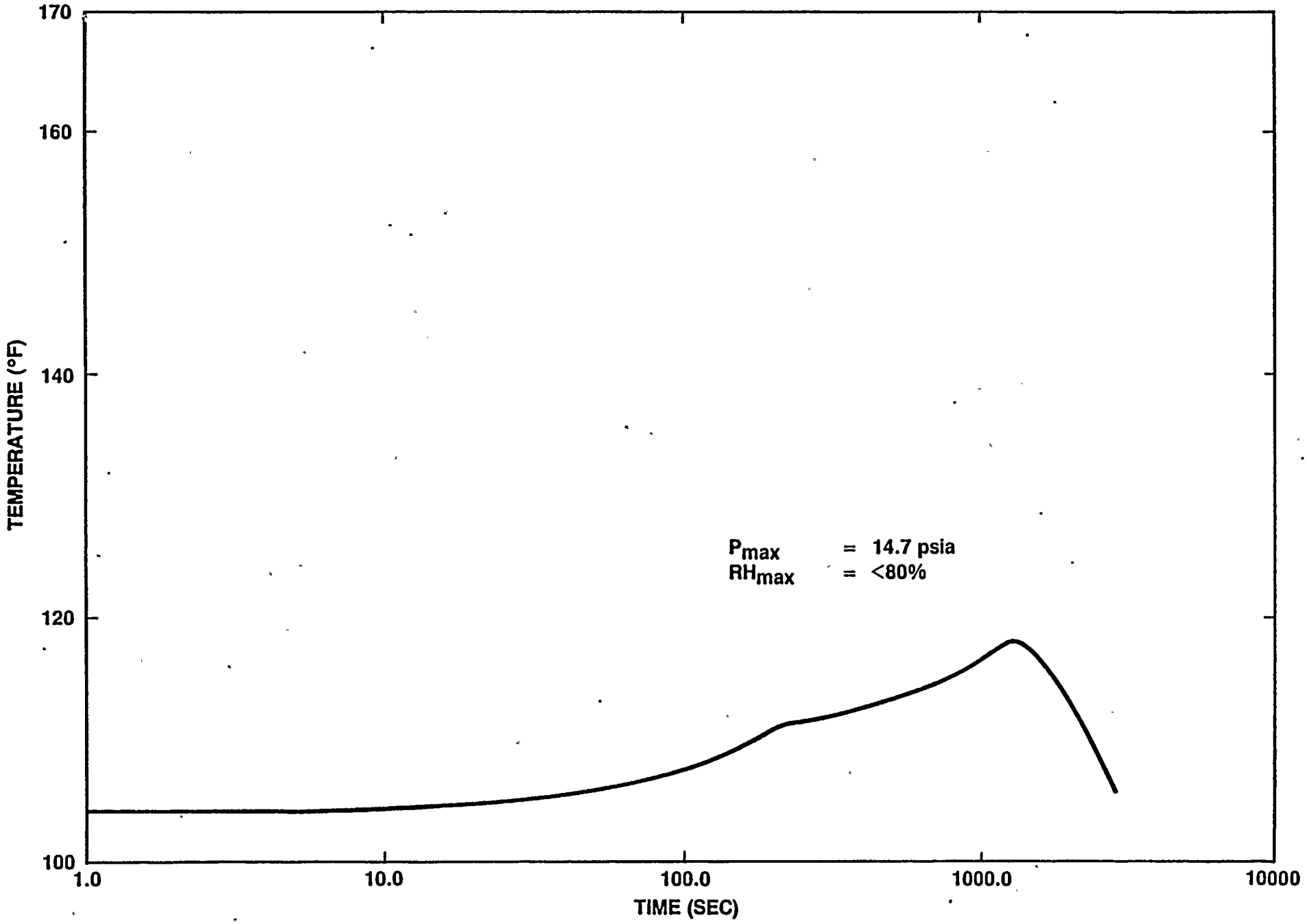
PROFILE 30. 6" RWCU LINE BREAK IN VALVE ROOM NORTH OF CONTAINMENT (EL 548). RESPONSE IN SOUTHWEST AREA (EL 548).

821772-20A



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

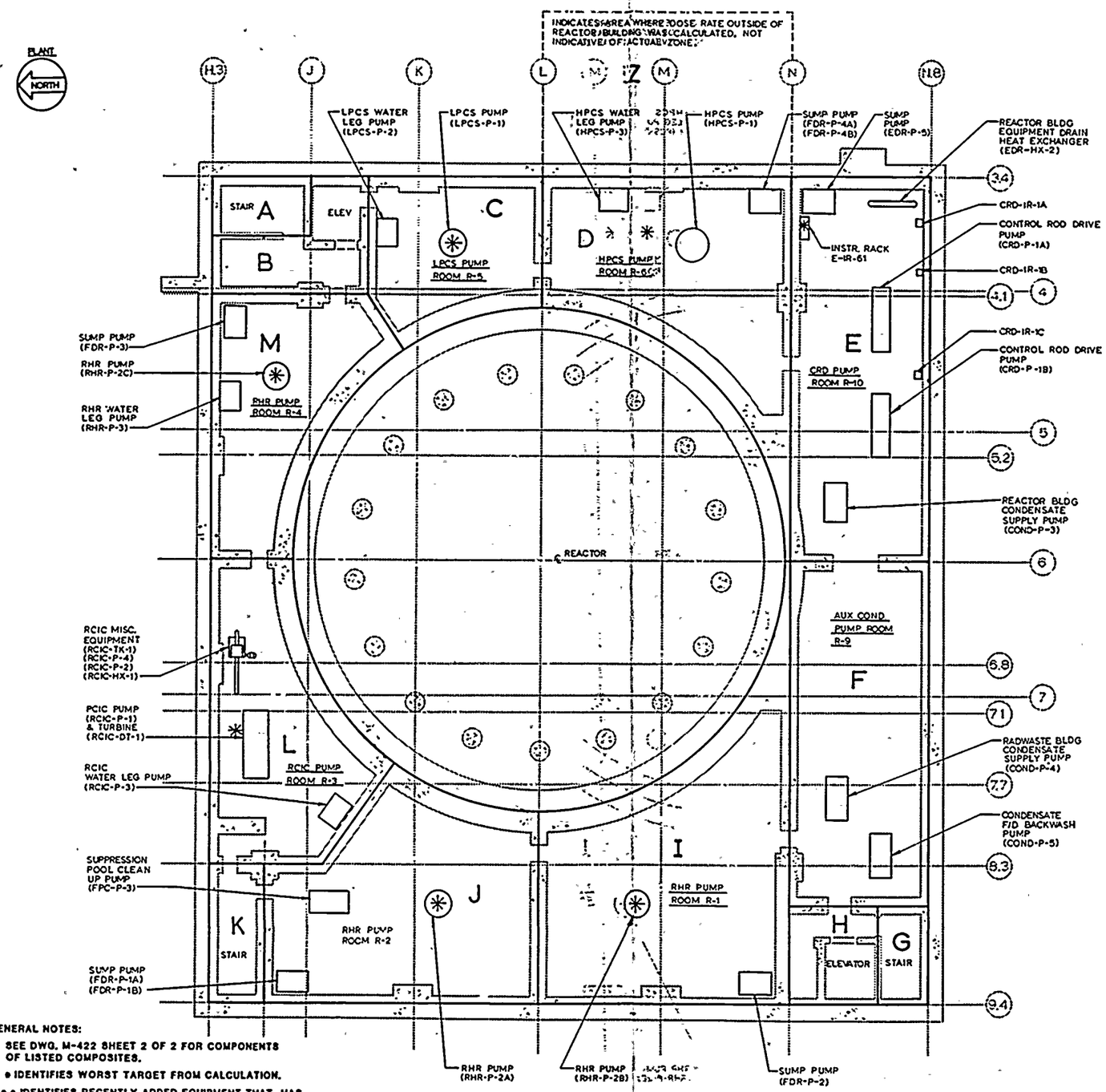
821772 23A



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



REACTOR BUILDING EL. 422'-3"

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-45
**LPCS-PI-1G
FDR-LS-41
LD-TE-27B
LD-TE-27D
**FPC-PI-17

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+

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 J

- RHR-M-P/2A
- 2.0×10^6 rads

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

ZONE L

- RCIC-MO-V/46
- 1.2×10^7 rads

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+
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 M

- RHR-M-P/2C
- 1.9×10^6 rads

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

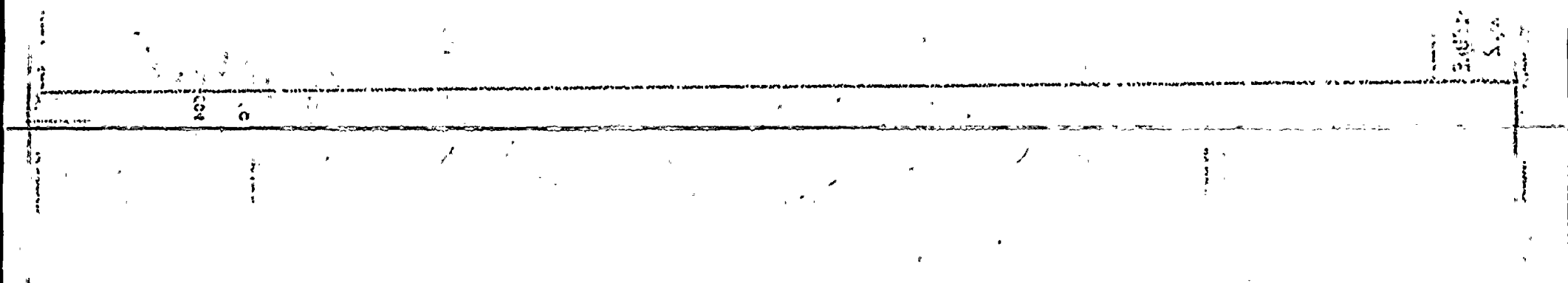
ZONE M

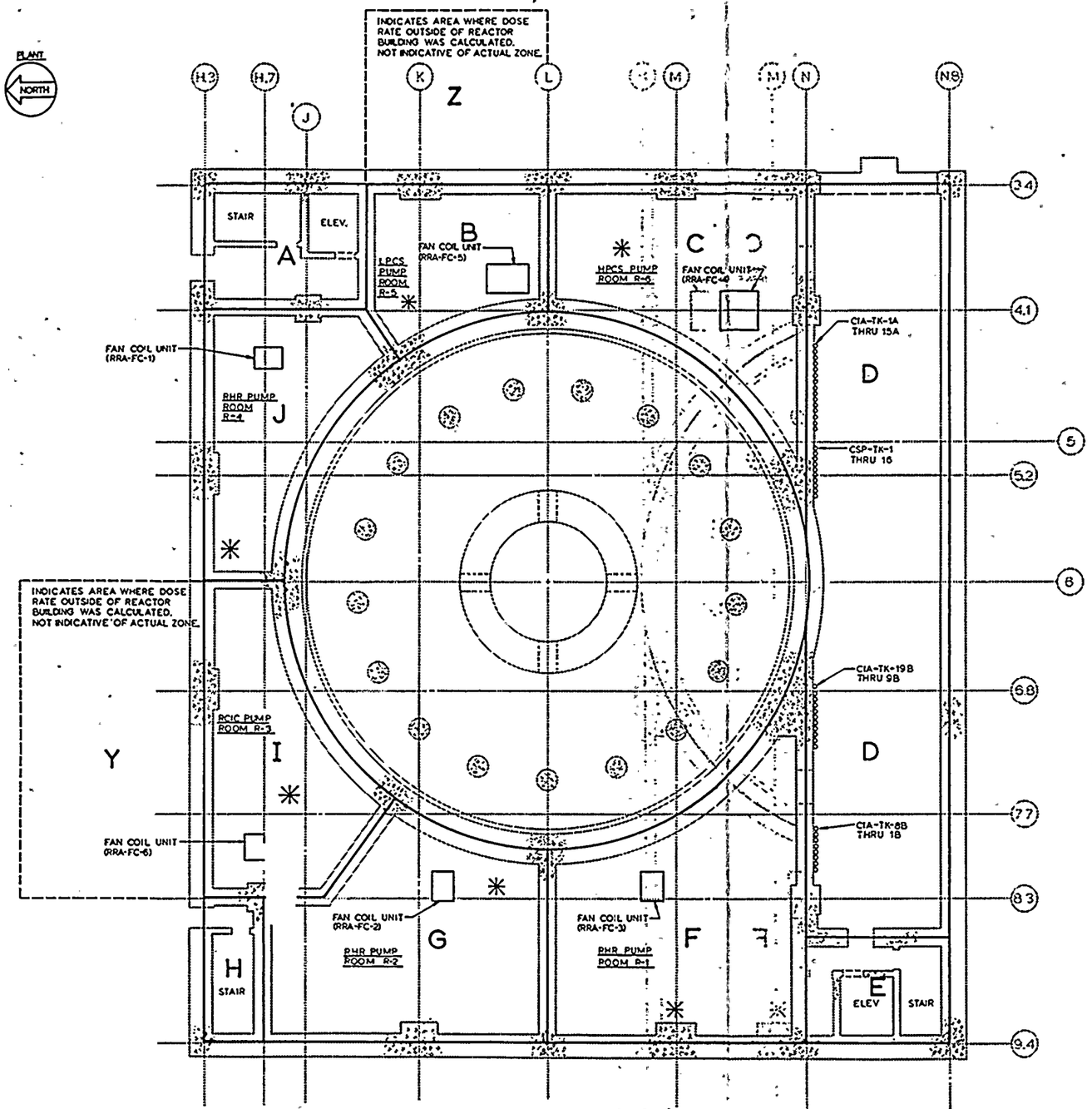
FDR-V-604+
- FDR-AO-604

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"

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

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

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

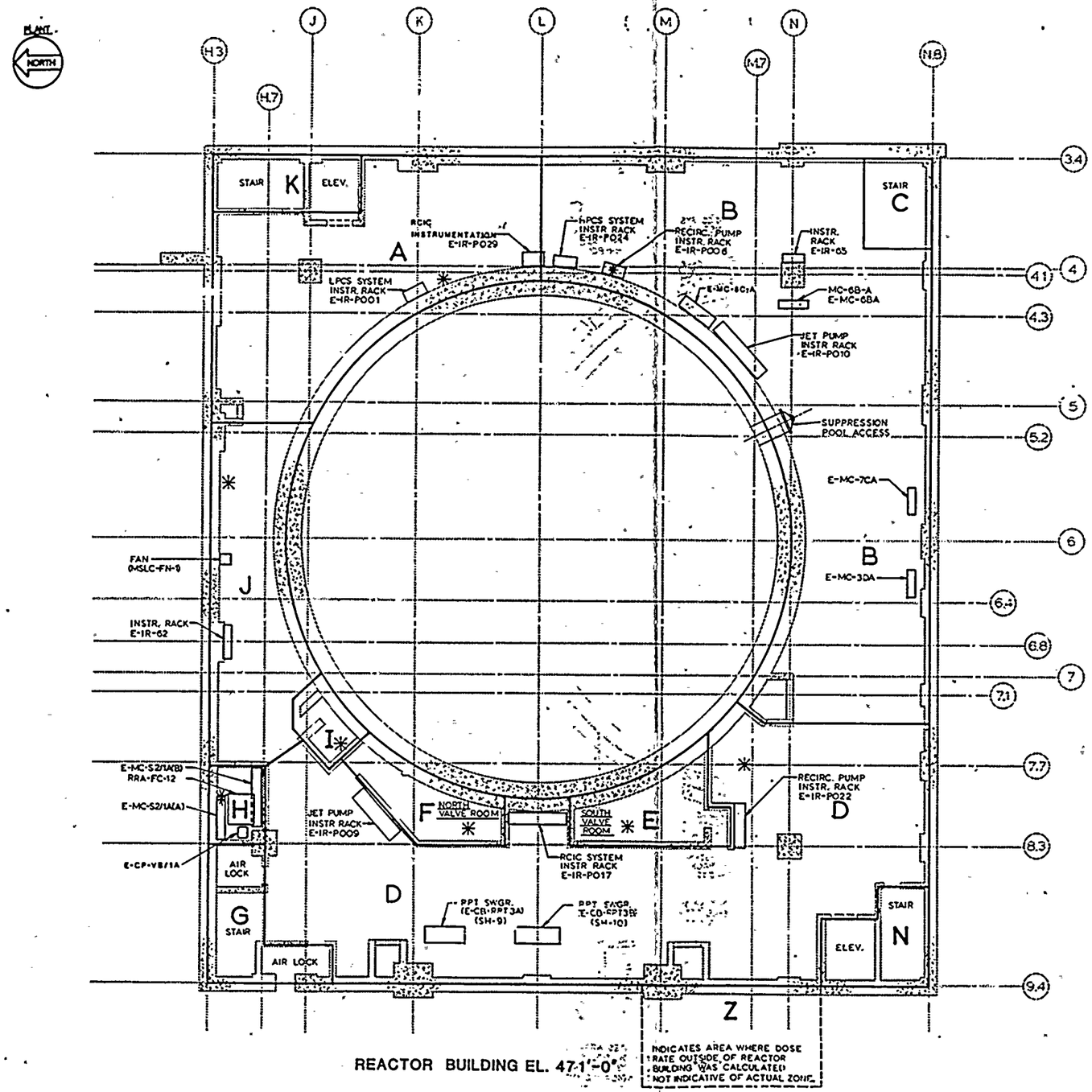
RHR-V-21+
- RHR-MO-21
- RHR-V-21

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"

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

39

E

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
- FDR-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

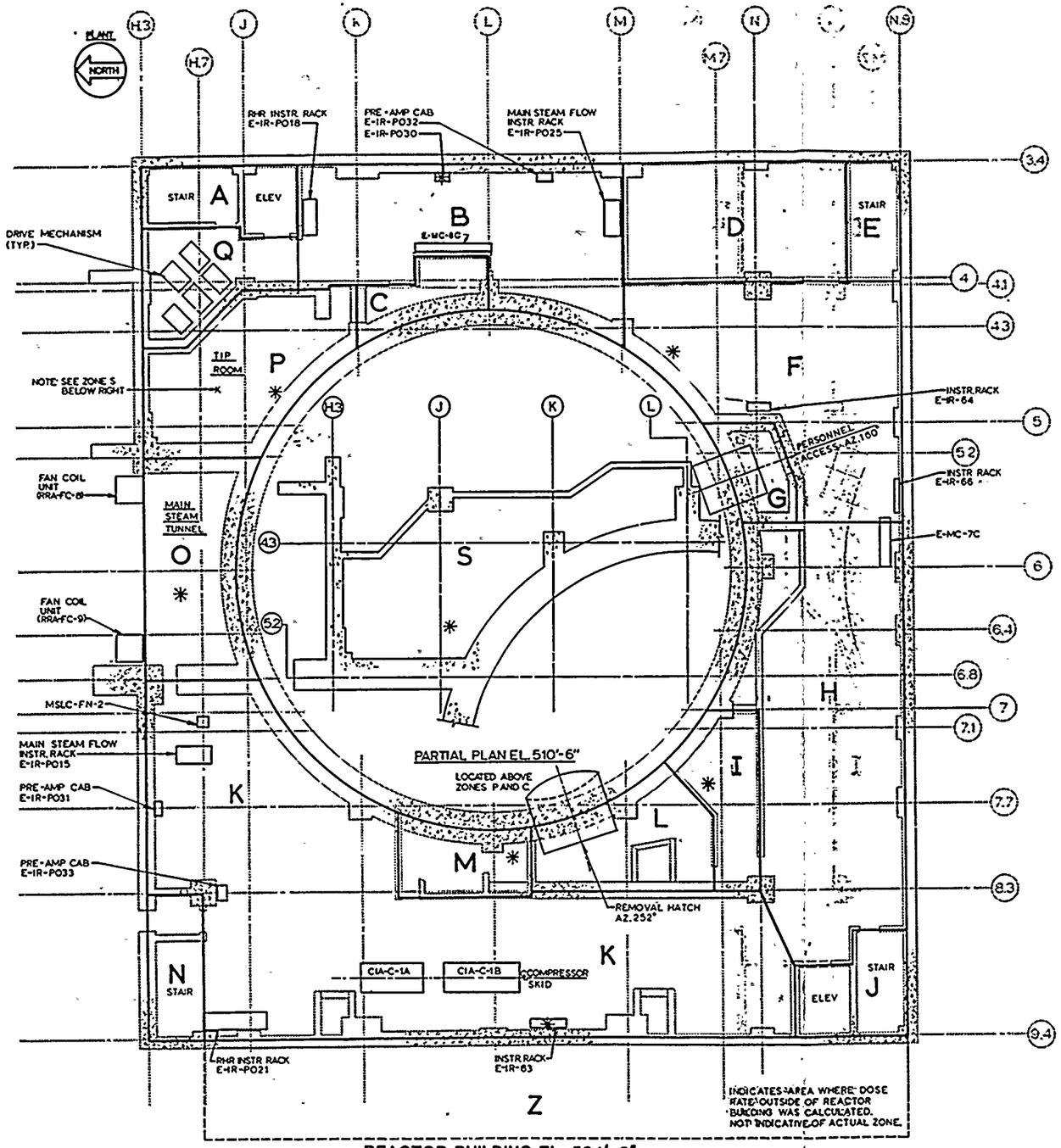
MSLC-V-1D+
- MSLC-MO-1D
- MSLC-V-1D

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

**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

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

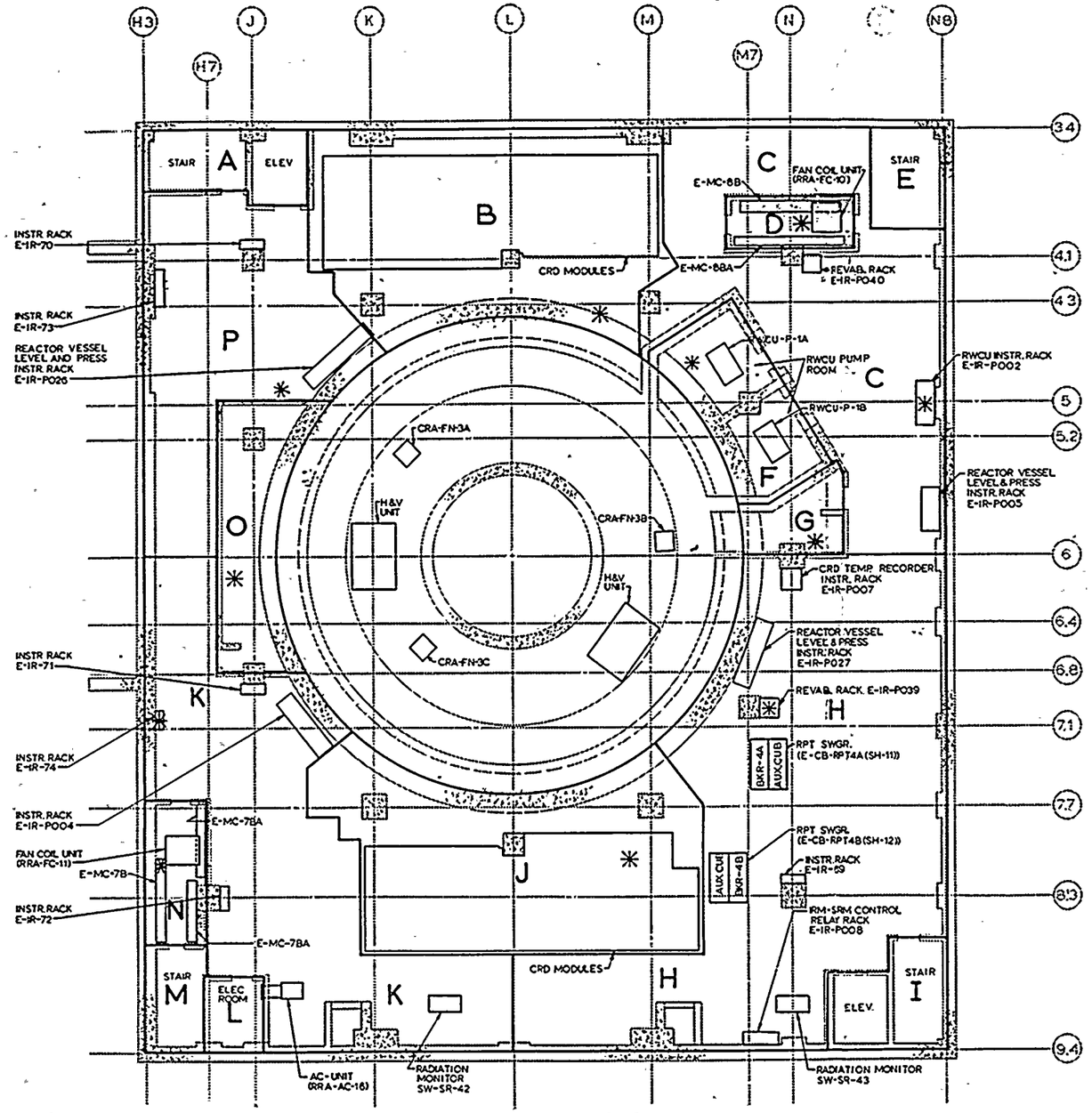
RCC-V-5+
- RCC-MO-5
- RCC-V-5

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

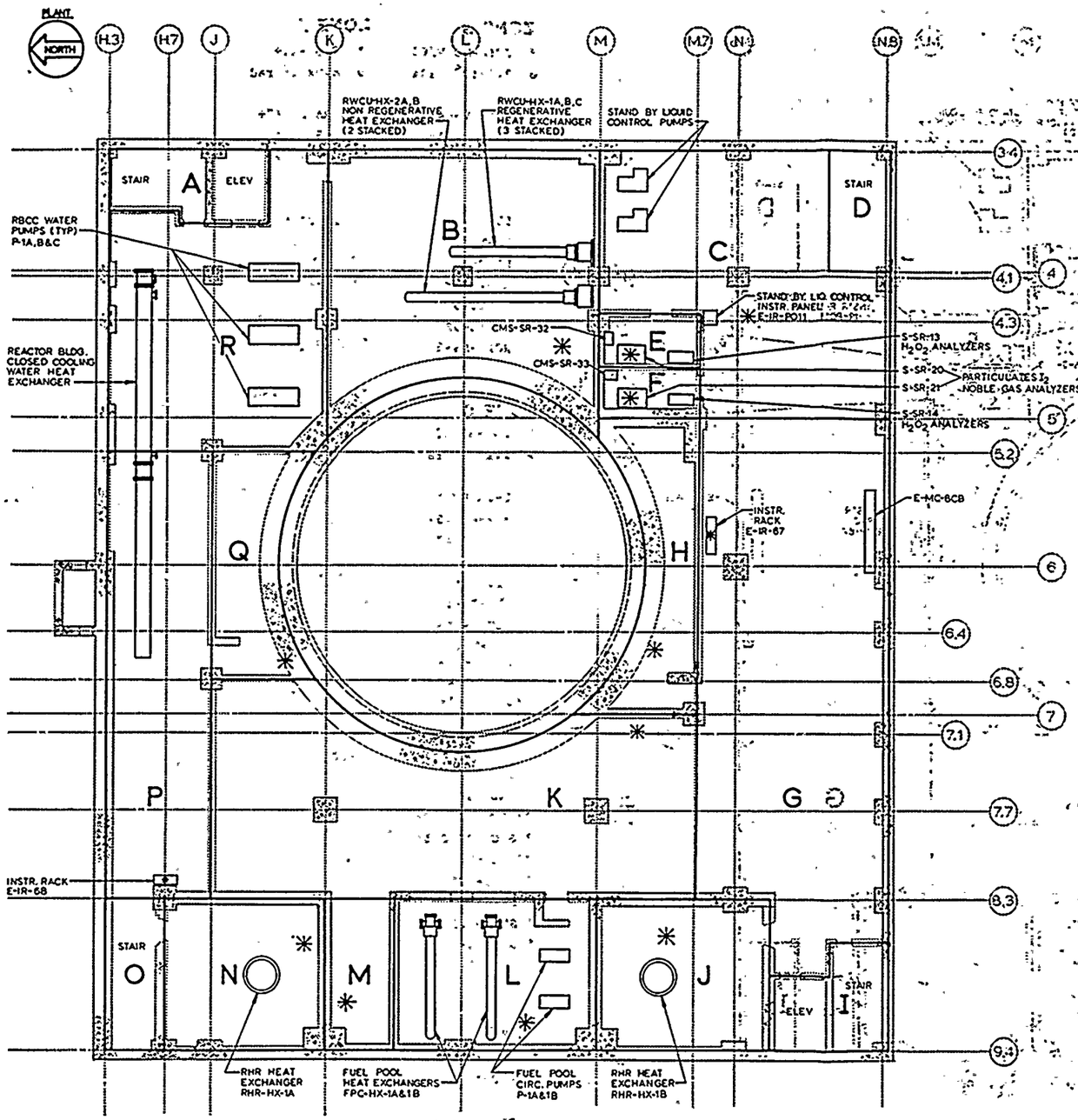
ZONE J

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-S-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

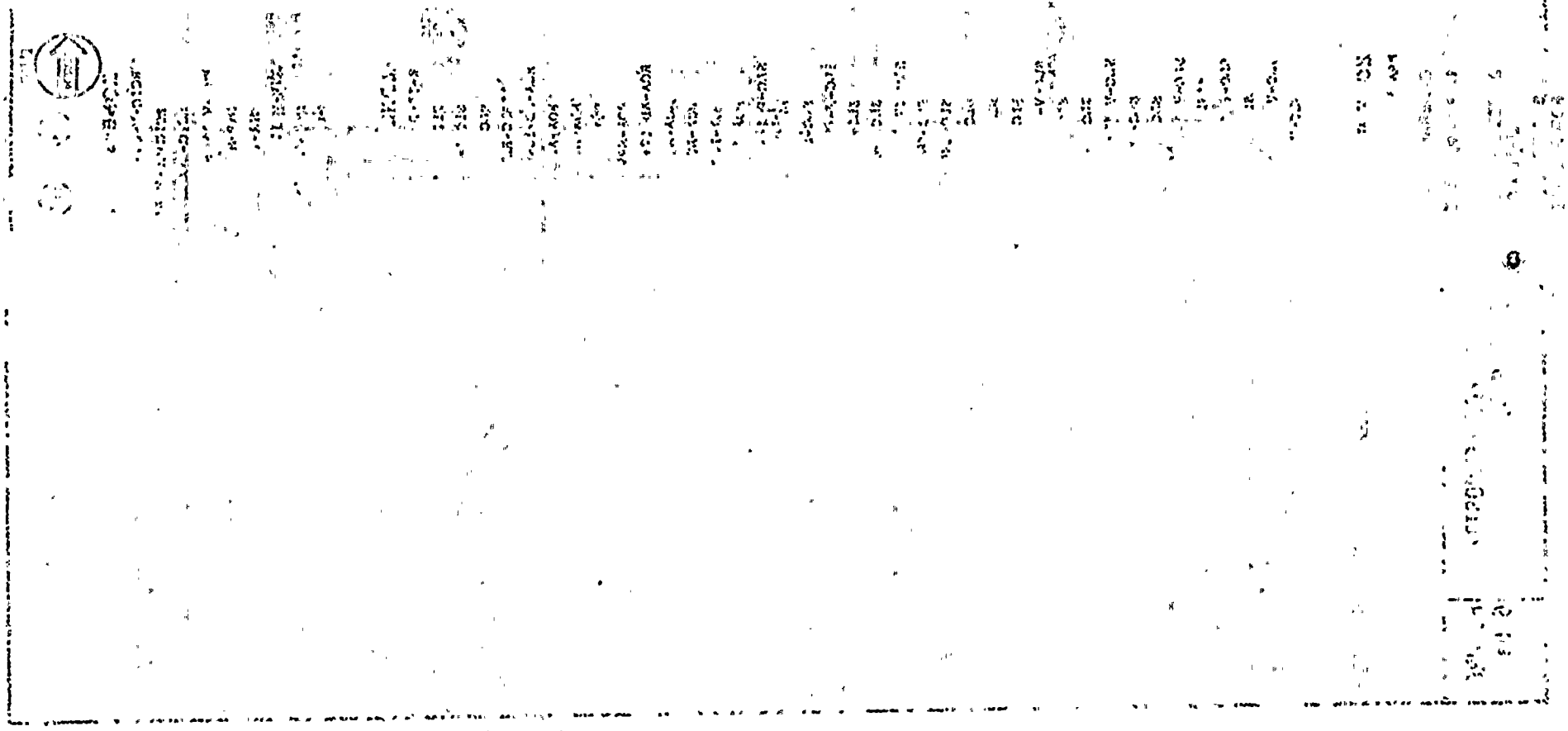
CAC-FCV-1B+
CAC-V-15+
CEP-V-1A+
CEP-V-1B+
CEP-V-2A+
CEP-V-2B+

**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

**RCIC-POS-V/19B

**RCIC-V-19B

ZONE L

**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 R

E-IR-68+1

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-1B+

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

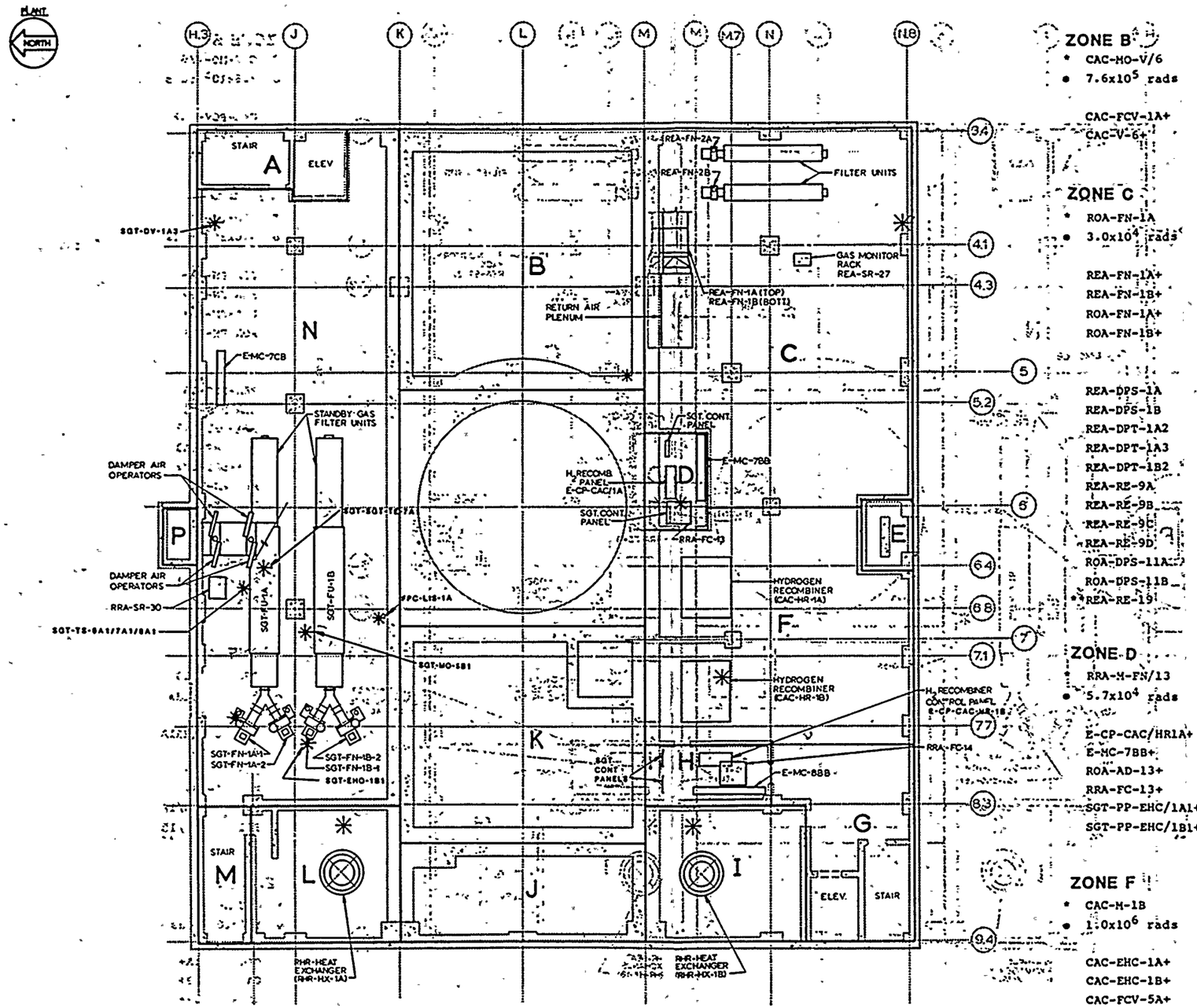
CEP-V-2B+

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"

ZONE B
- * CAC-MO-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+

SAFETY RELATED EQUIPMENT -BY ZONES

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-FCV-1A+
CAC-EHO-FCV/1A
CAC-FCV-1A
CAC-POS-FCV/1A
CAC-V-6+
CAC-HO-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-FCV/67A
CAC-FR-67A1
CAC-FS-6A
CAC-LI-1A
CAC-LS-1A
CAC-PI-1A1
CAC-R/I-4A
CAC-RLY-CR4AVI4
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-RHC-2A/LOCL
**CAC-RMS-11A/LOC
**CAC-RMS-1ASTA
**CAC-RMS-1ASTO
**CAC-RMS-PBA/LOC
E-HC-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-ELP/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-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-EH1A1T
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-EH1B1T
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-1BTHO-DAC
CAC-EHC-1B+
CAC-CNTR-1BTHO-DAC
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-1BYA
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-FI-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-CR4BVI4
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-RHC-2B/LOCL
**CAC-RMS-11B/LOC
**CAC-RMS-1BSTA
**CAC-RMS-1BSTO
**CAC-RMS-PBB/LOC
E-HC-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
RHR-V-74A
RHR-V-87A+
RHR-HO-87A
RHR-V-87A

ZONE I

RHR-PCV-51B+
RHR-PCV-51B
RHR-V-47B+
RHR-HO-47B
RHR-V-47B
RHR-V-52B+
RHR-HO-52B
RHR-V-52B
RHR-V-73B+
RHR-HO-73B
RHR-V-73B
RHR-V-74B+
RHR-HO-74B
RHR-V-74B
RHR-V-87B+
RHR-HO-87B
RHR-V-87B

ZONE L

RHR-PCV-51A+
RHR-PCV-51A
RHR-V-47A+
RHR-HO-47A
RHR-V-47A
RHR-V-52A+
RHR-HO-52A
RHR-V-52A
RHR-V-73A+
RHR-HO-73A
RHR-V-73A
RHR-V-74A+
RHR-HO-74A

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

WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO. 2	COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON FIGURE 6.7	FIGURE 6.7a

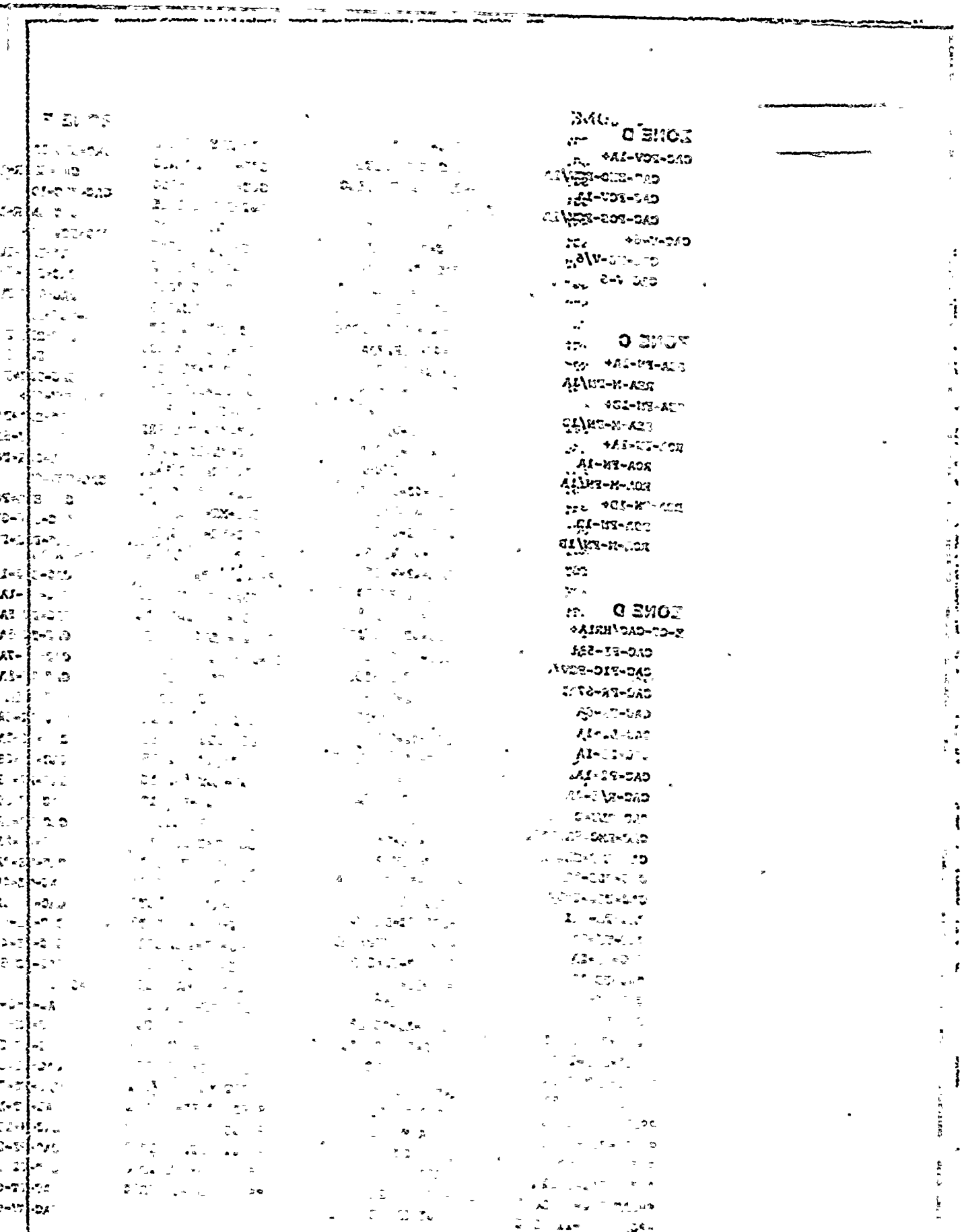


FIGURE 6.7b

COMPONENT EQUIPMENT LIST FOR COMPOSITE - OF FIGURE SHOWN ON FIGURE 6.7

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-RMS-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-RMS-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

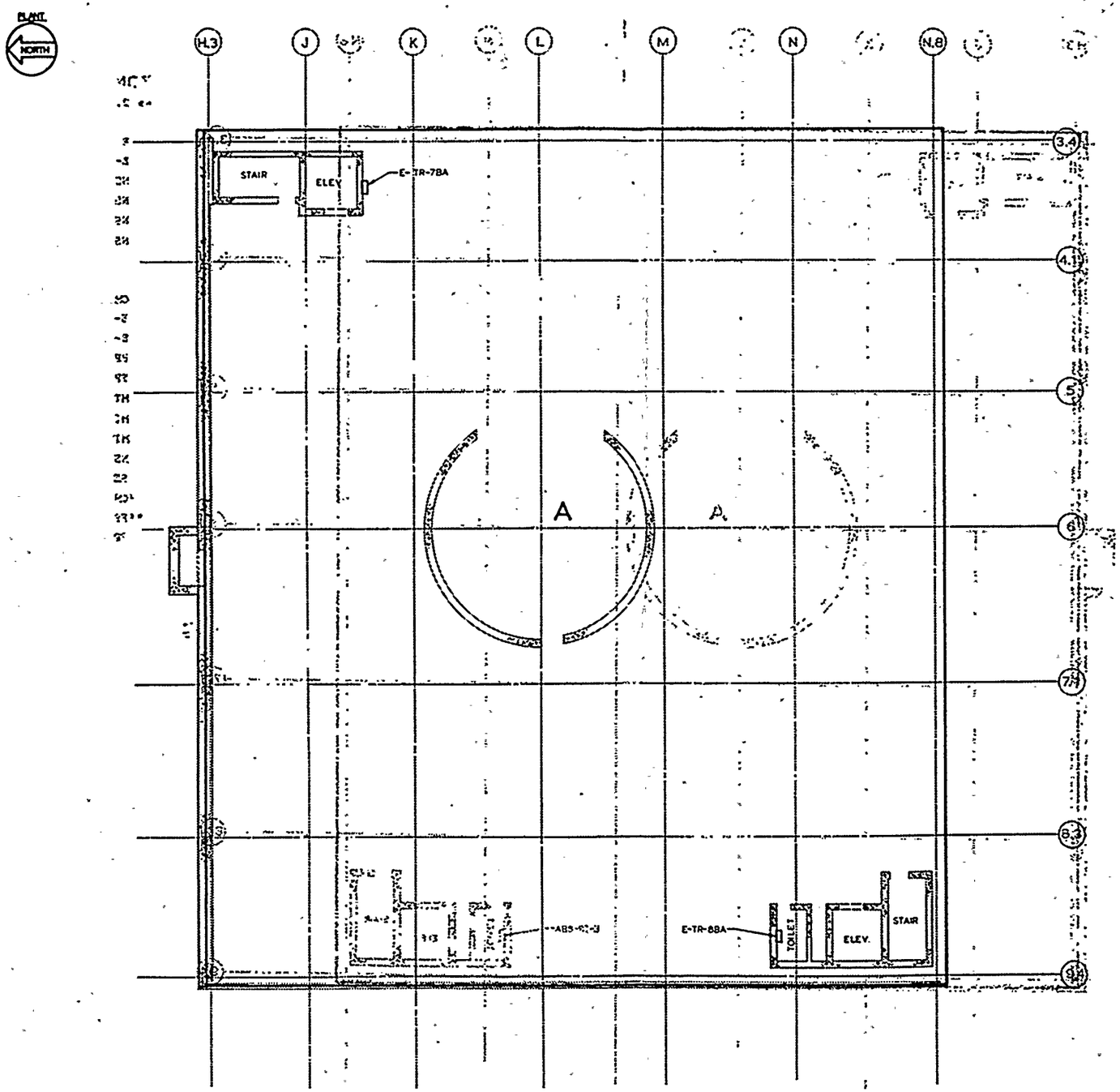
CRD-V-11+
- CRD-V-11

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+

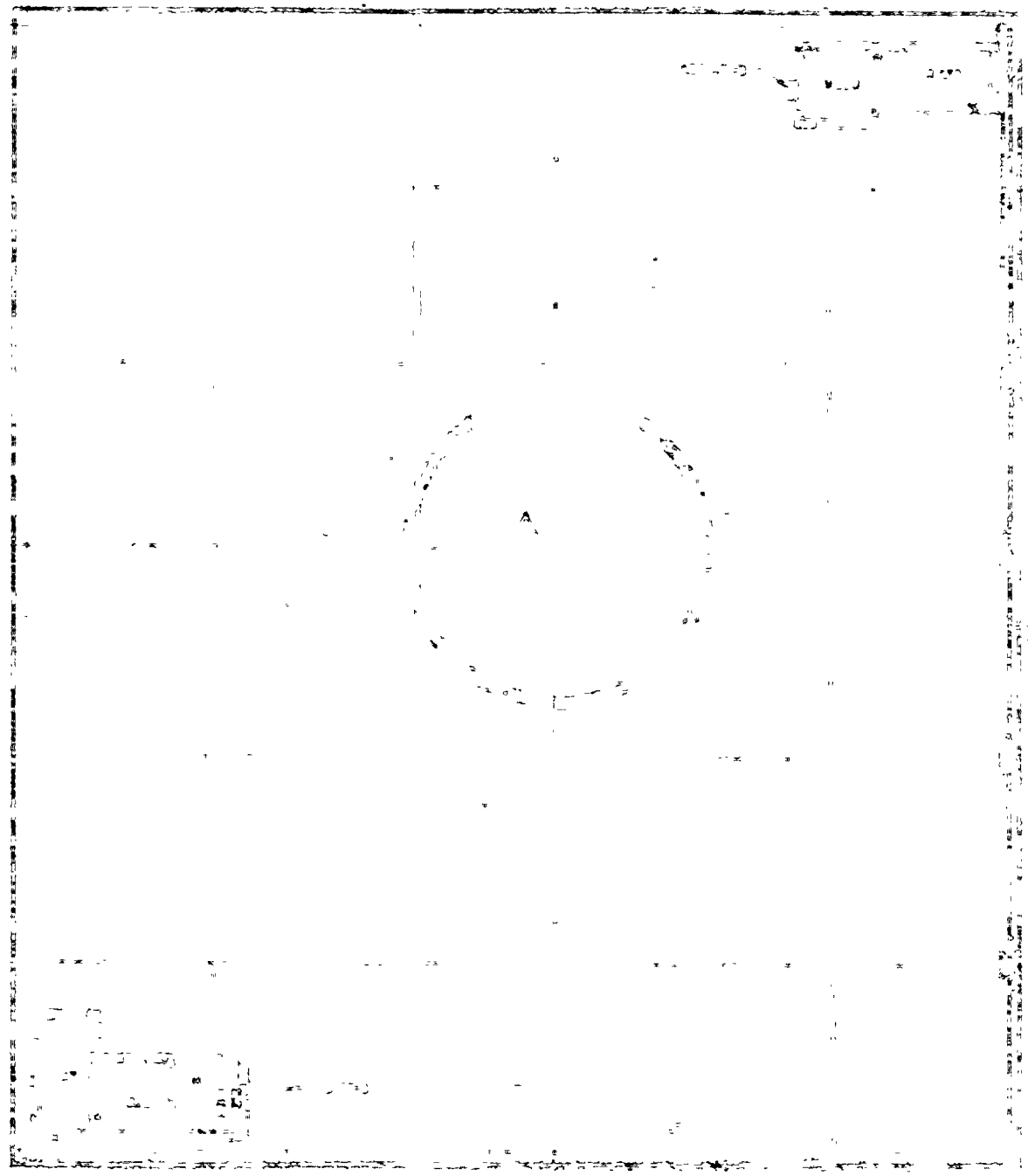
- CMS-RE-27D
- E-TR-7BA
- E-TR-8BA
- FPC-TE-7
- FPC-TE-8
- MT-CRA-2
- MT-CRA-9A
- MT-CRA-9B
- NSSE-EQ-8
- REA-RE-19

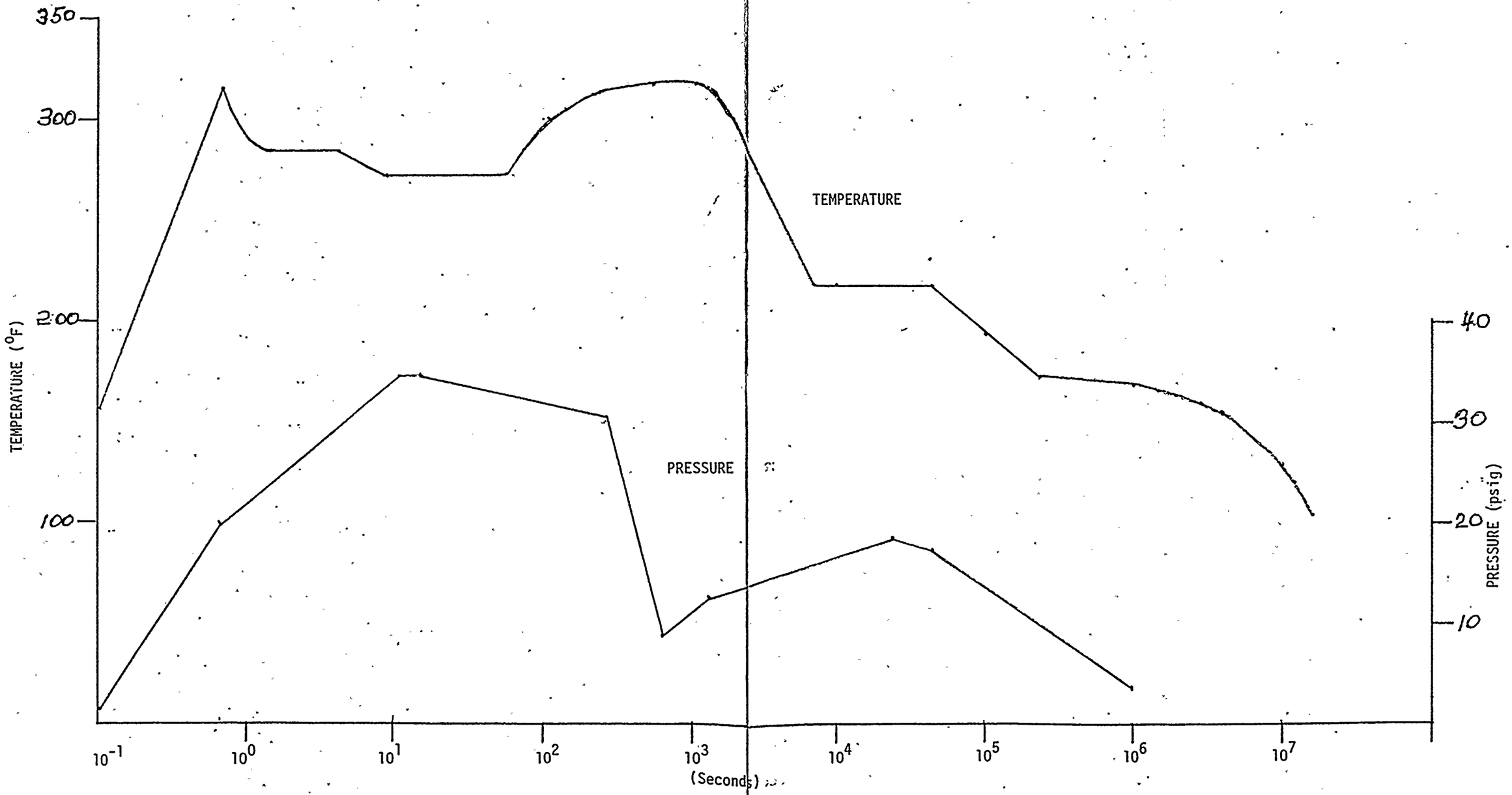
- **CMS-RE-27C
- **FPC-FIC-21
- **FPC-LT-21

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-7B
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-FP-ESH/1A+
SGT-RLY-ESH1A11
SGT-RLY-ESH1A21
SGT-RMS-ESH1A1
SGT-RMS-ESH1A2
SGT-FP-ESH/1B+
SGT-RMS-ESH1B1
SGT-RMS-ESH1B2
SGT-RLY-ESH1B11
SGT-RLY-ESH1B21
SGT-FP-ESH/2A+
SGT-RMS-ESH2A1
SGT-RMS-ESH2A2
SGT-FP-ESH/2B+
SGT-RMS-ESH2B1
SGT-RMS-ESH2B2
SGT-V-1A+
SGT-V-1A
SGT-V-1B+
SGT-V-1B
SGT-V-2A+
SGT-V-2A
SGT-V-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-FT-1A1
SGT-FN-1A2+
SGT-FT-1A2
SGT-FN-1B1+
SGT-FT-1B1
SGT-FN-1B2+
SGT-FT-1B2

SUBZONE N3

SGT-FN-1A1+
SGT-ECHO-FN/1A1
SGT-ECHO-FN/1A2
SGT-FN-1A2+
SGT-ECHO-FN/1A2
SGT-ECHO-FN/2A2
SGT-FN-1B1+
SGT-ECHO-FN/1B1
SGT-ECHO-FN/2B1
SGT-FN-1B2+
SGT-ECHO-FN/1B2
SGT-ECHO-FN/2B2

SUBZONE N4

REA-V-1+
REA-ECHO-V/1A1
REA-V-2+
REA-ECHO-V/2A1
SGT-FU-1A+
SGT-FS-2B2
SGT-FU-1B+
SGT-FS-2B1
SGT-V-1A+
SGT-NO-1A-TOS
SGT-V-1B+
SGT-NO-1B-TOS
SGT-V-2A+
SGT-ECHO-V/2A-TOS
SGT-V-2B+
SGT-ECHO-V/2B-TOS
SGT-V-3A1+
SGT-NO-3A1-TOS
SGT-V-3A2+
SGT-NO-3A2-TOS
SGT-V-3B1+
SGT-NO-3B1-TOS
SGT-V-3B2+
SGT-NO-3B2-TOS
SGT-V-4A1+
SGT-NO-4A1-TOS
SGT-V-4A2+
SGT-NO-4A2-TOS
SGT-V-4B1+
SGT-NO-4B1-TOS
SGT-V-4B2+
SGT-NO-4B2-TOS
SGT-V-5A1+
SGT-NO-5A1-TOS
SGT-V-5A2+
SGT-NO-5A2-TOS
SGT-V-5B1+
SGT-NO-5B1-TOS
SGT-V-5B2+
SGT-NO-5B2-TOS

SUBZONE N5

SGT-FU-1A+
SGT-HC-H/6A
SGT-HC-H/7A
SGT-TS-6A1
SGT-TS-7A1
SGT-TS-8A1
SGT-FU-1B+
SGT-HC-H/6B
SGT-HC-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-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
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SGT-TS-EH1B14
SGT-TS-EH1B15
SGT-TS-EH1B16
SGT-TS-EH1B17
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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

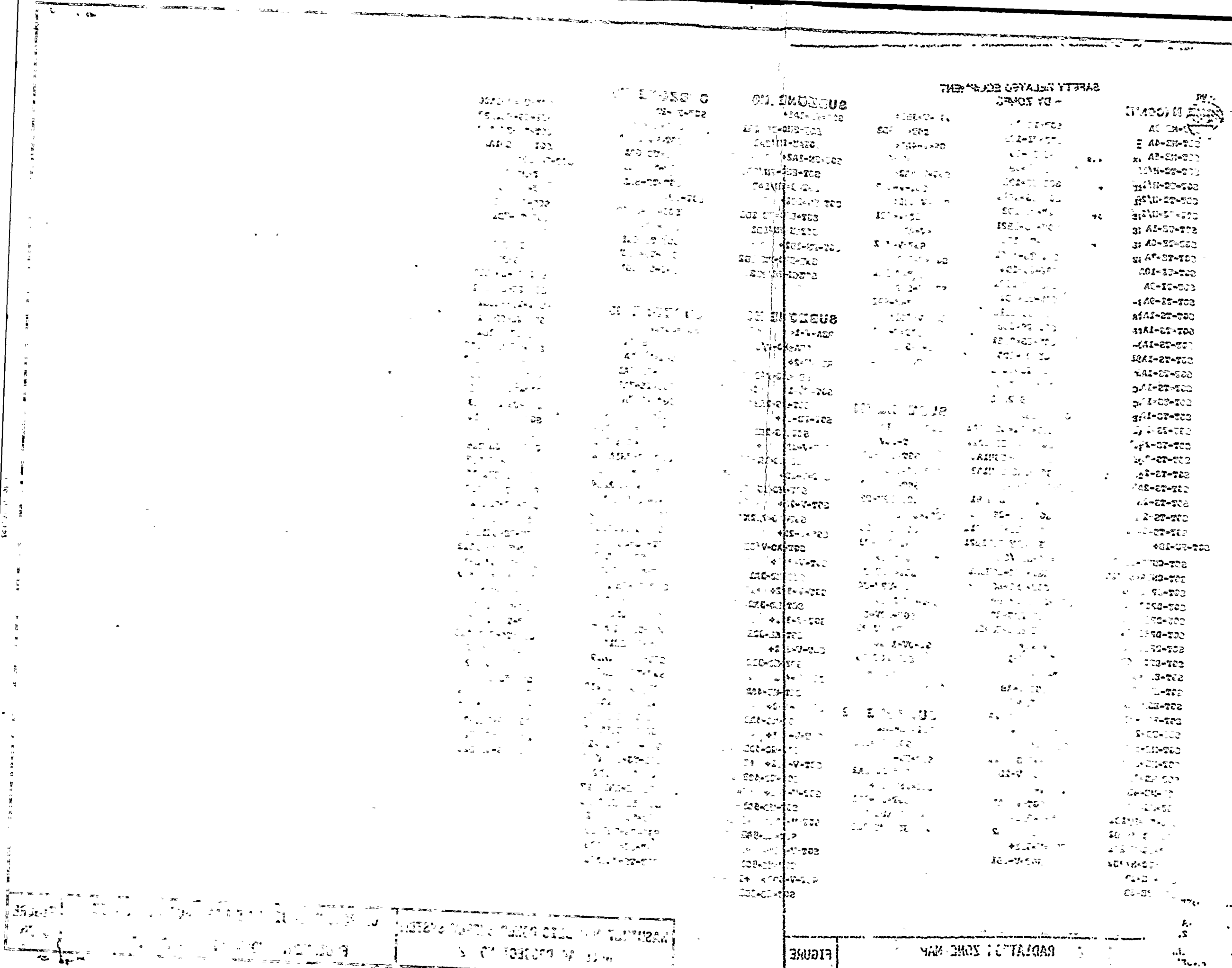

FIGURE 5.8

REACTOR BLDG EL. 606'-0 1/2"

8210070141

WNP-2
NUREG 0588 ENVIRONMENTAL EQUIPMENT QUALIFICATION REPORT

Volume 3

September 1982

Washington Public Power Supply System
Richland, Washington 99352

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] be required
[illegible] during
[illegible] operation
[illegible] equipment
[illegible] and

[illegible] shape.

[illegible] 3 acci-
[illegible] ride the
[illegible] breaks
[illegible] d your high
[illegible] n were
[illegible] ide the
[illegible] cation.
[illegible] mish could
[illegible] (section
[illegible] n the
[illegible] in s
[illegible] tion.

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.

[illegible] to fulfill
[illegible] case
[illegible] agreement
[illegible] nor
[illegible] Peters
[illegible] read
[illegible] to
[illegible] tion
[illegible] secured the
[illegible] threat to
[illegible] sec.
[illegible] fail
[illegible] ze identi-
[illegible] or
[illegible] Def was
[illegible]
The
[illegible] ing
[illegible] ible and
[illegible] xposed
[illegible] he
[illegible] The
[illegible] ntricated
[illegible] Greg I.
[illegible] formed for
[illegible] ncreased with
[illegible] tions, the
[illegible] ever-mine
[illegible] ncast

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

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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.

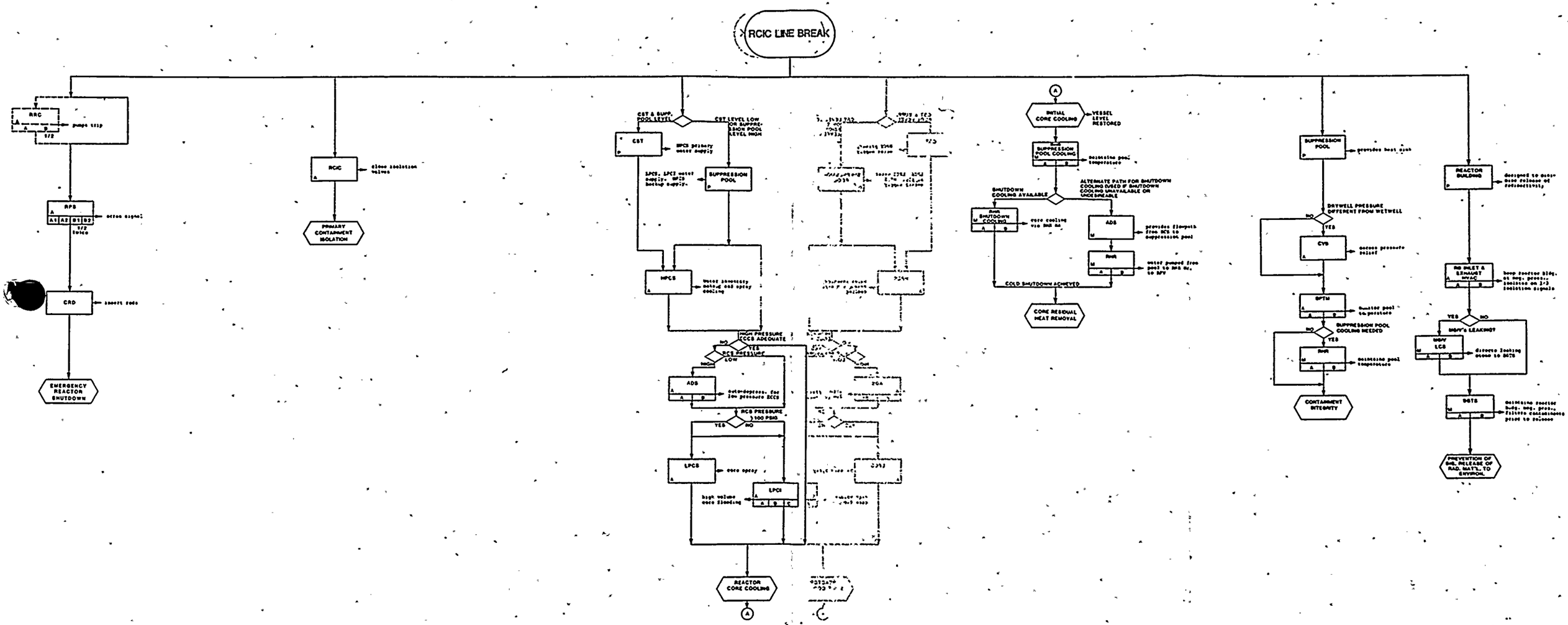
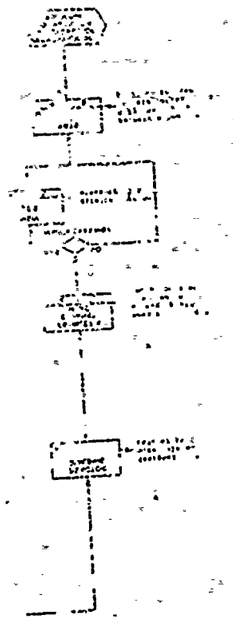


Figure 2.1

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.

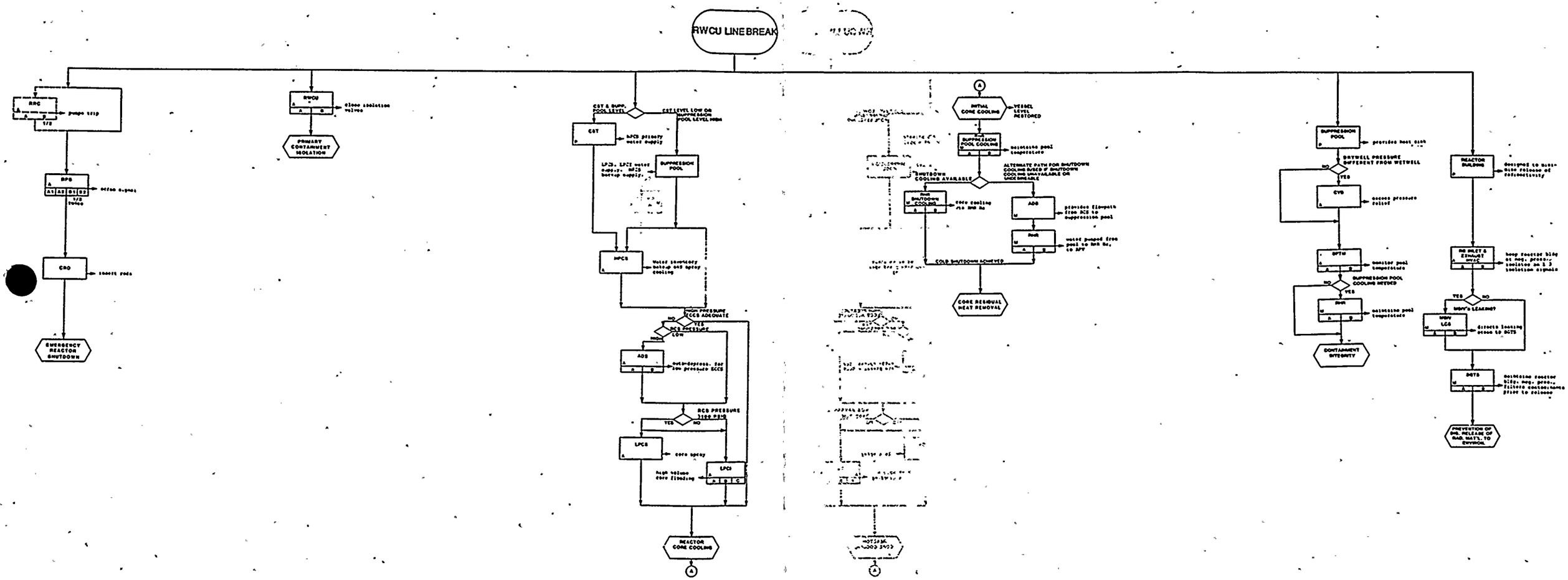
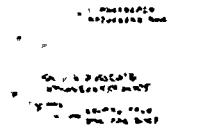
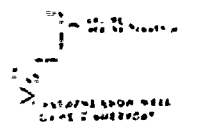


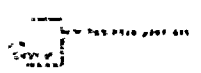
Figure 2.2

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.

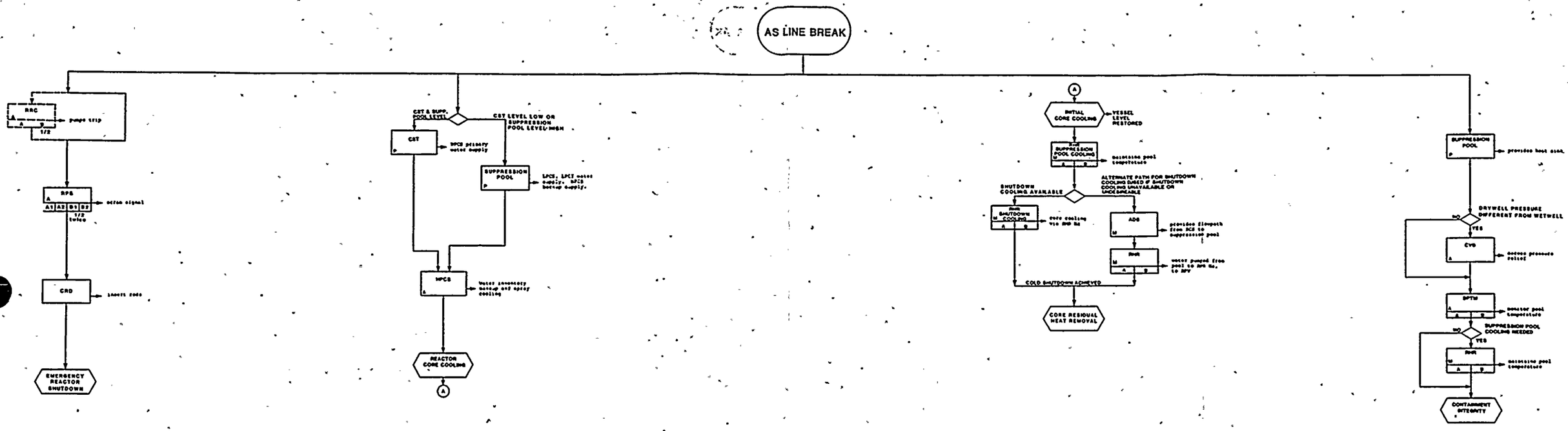
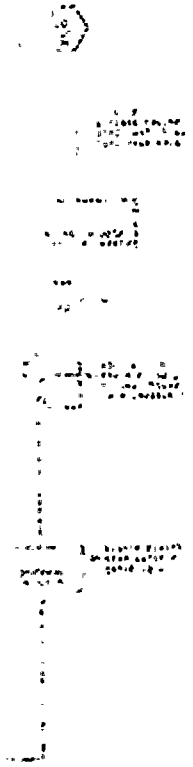


Figure 2.3

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.

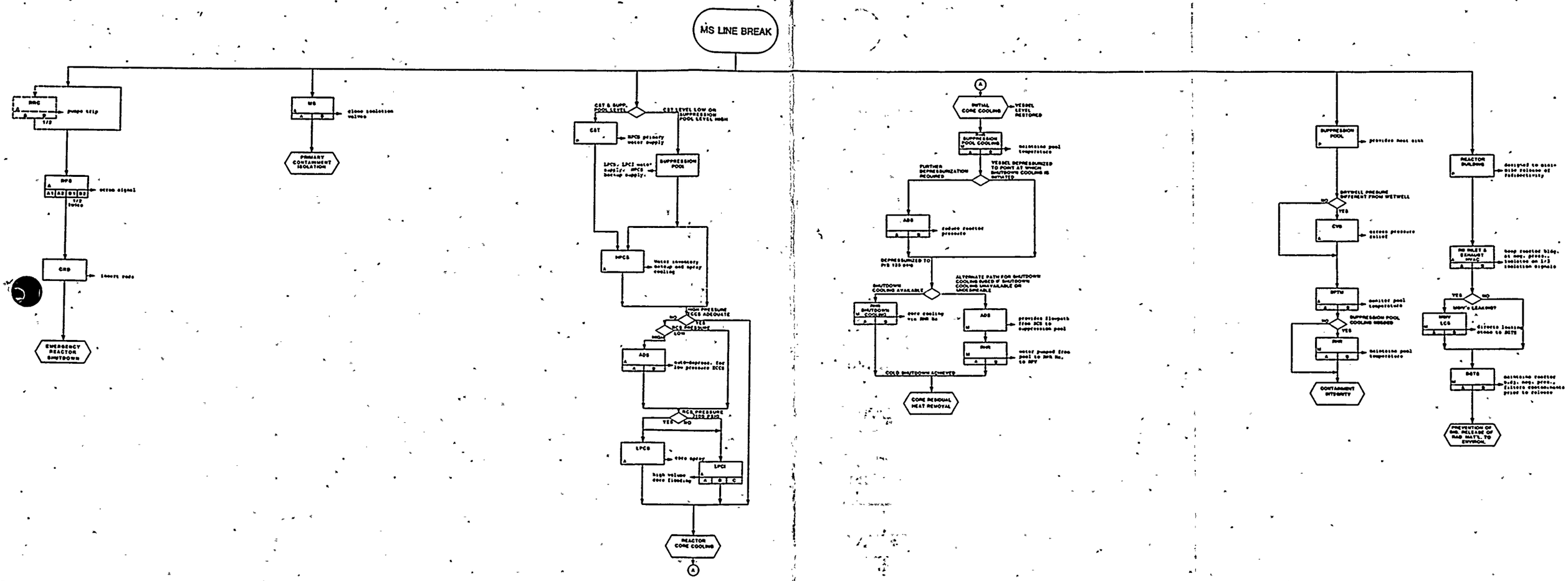


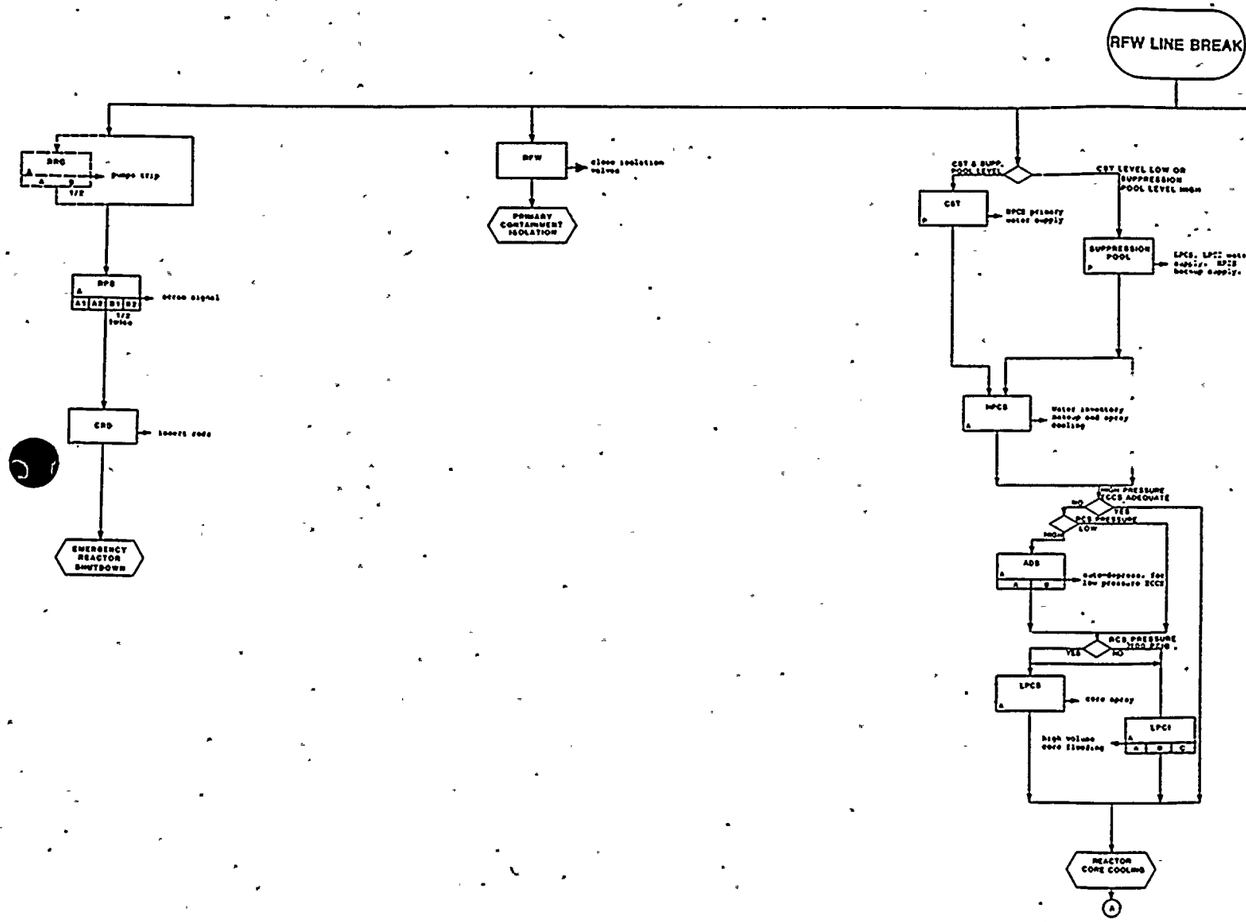
Figure 2.4

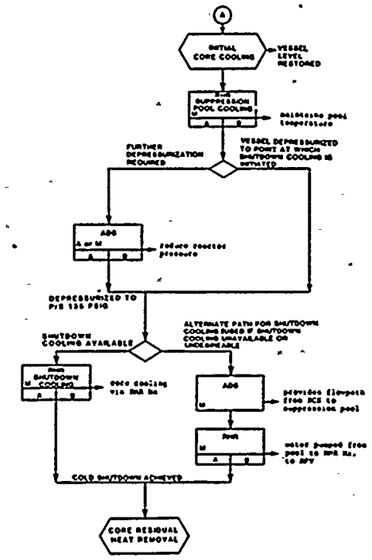
Safety Sequence Diagram

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.





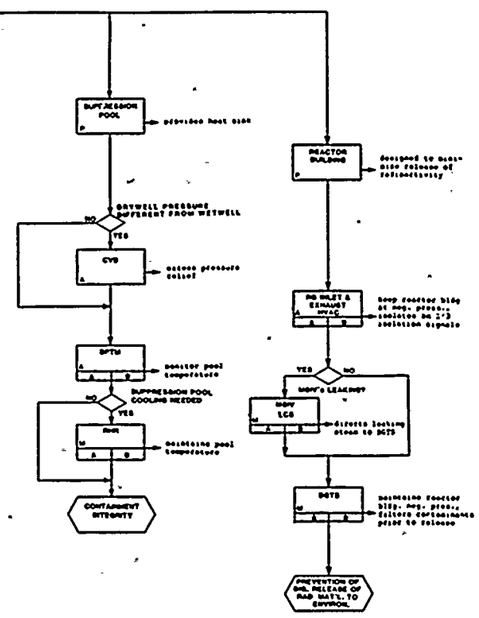


Figure 2.5

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.

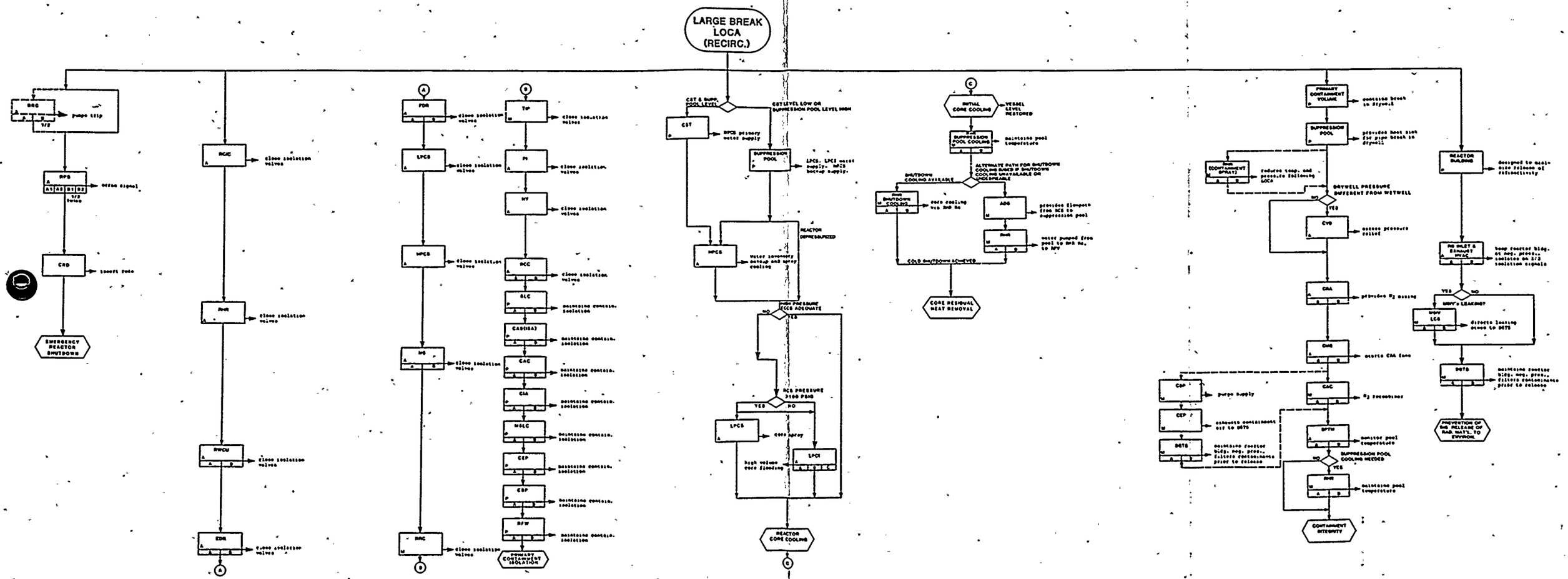


Figure 2.6

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.

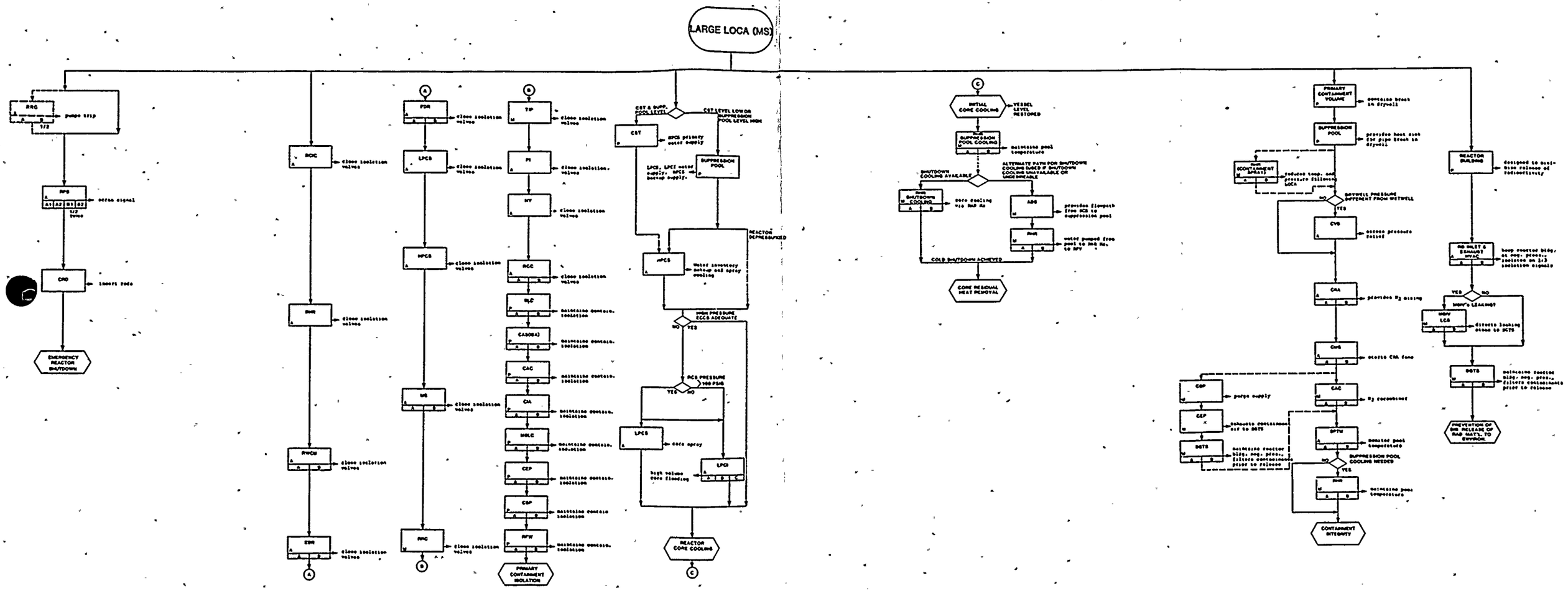


Figure 2.7

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.

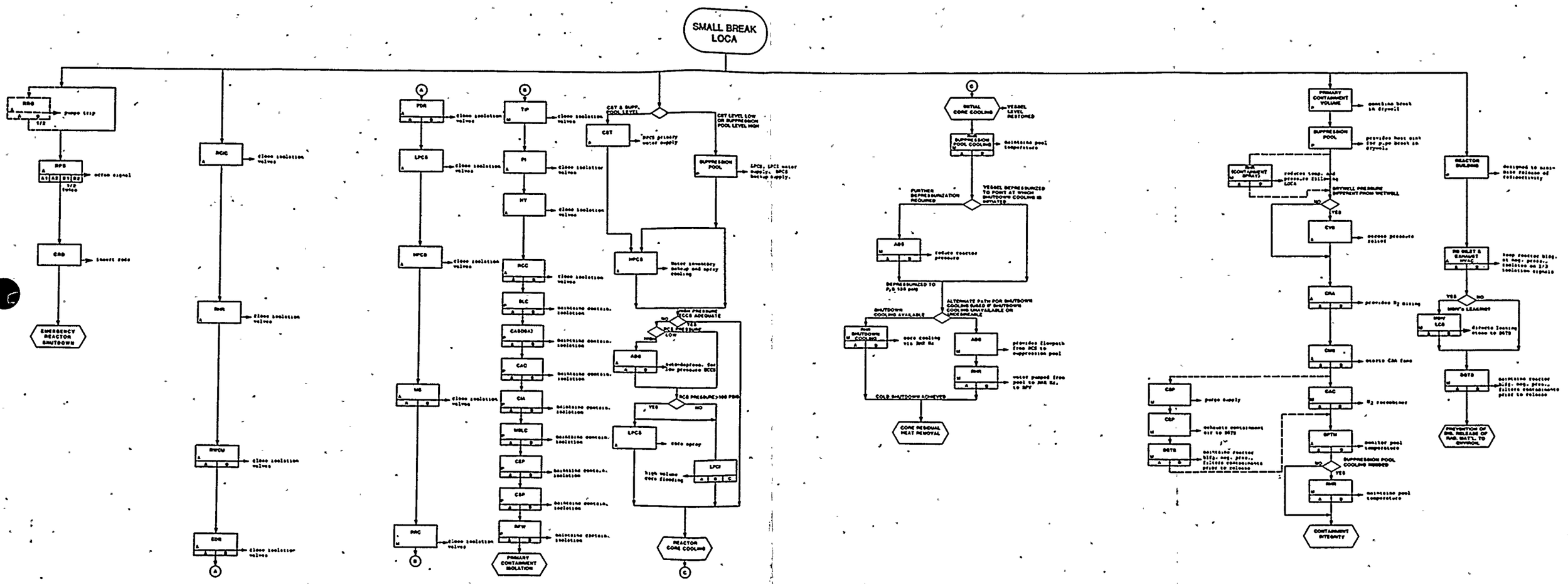


Figure 2.8

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.	5220	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

   - o Reactor Recirculation Line (RRC) Break (Large break)
     Accident Code P
   - o Small Main Steam Line (2" or less) Break
     Accident Code R
   - o Main Steam Line Break (26")
     Accident Code Q

2. Reactor Building - High Energy Line Breaks

   - o Reactor Water Clean-up (RWCU) Line Breaks
     Accident Codes F, G, H, I, J, K, L
   - o Reactor Core Isolation Cooling (RCIC) Steam Line Break
     Accident Codes A, B, C, E
   - o Auxiliary Steam System Pipe Break
     Accident Codes D, M
   - o 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

Safety System	Auxiliary Systems	Notes
(Abbreviations defined in Table F)		
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.

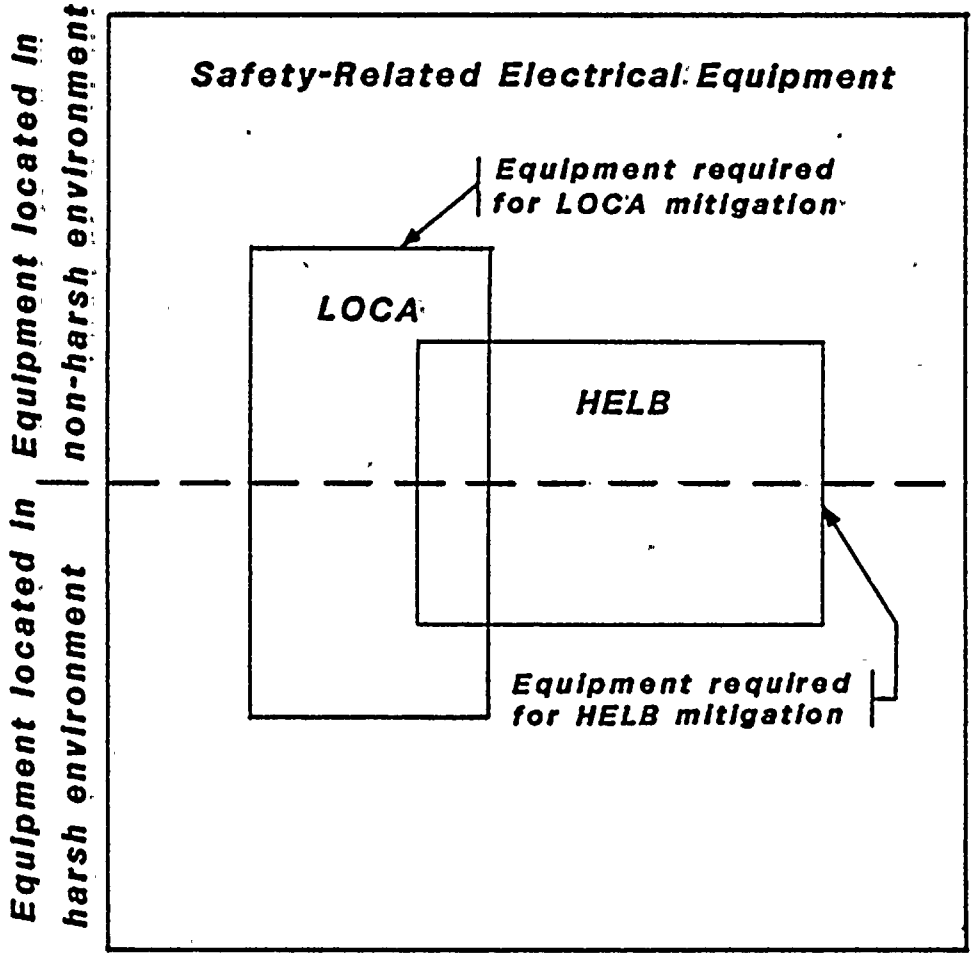
The seven postulated accident types are included in Table 2.1, and the areas of the plant affected by each postulated break location are identified in Table 2.2.

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

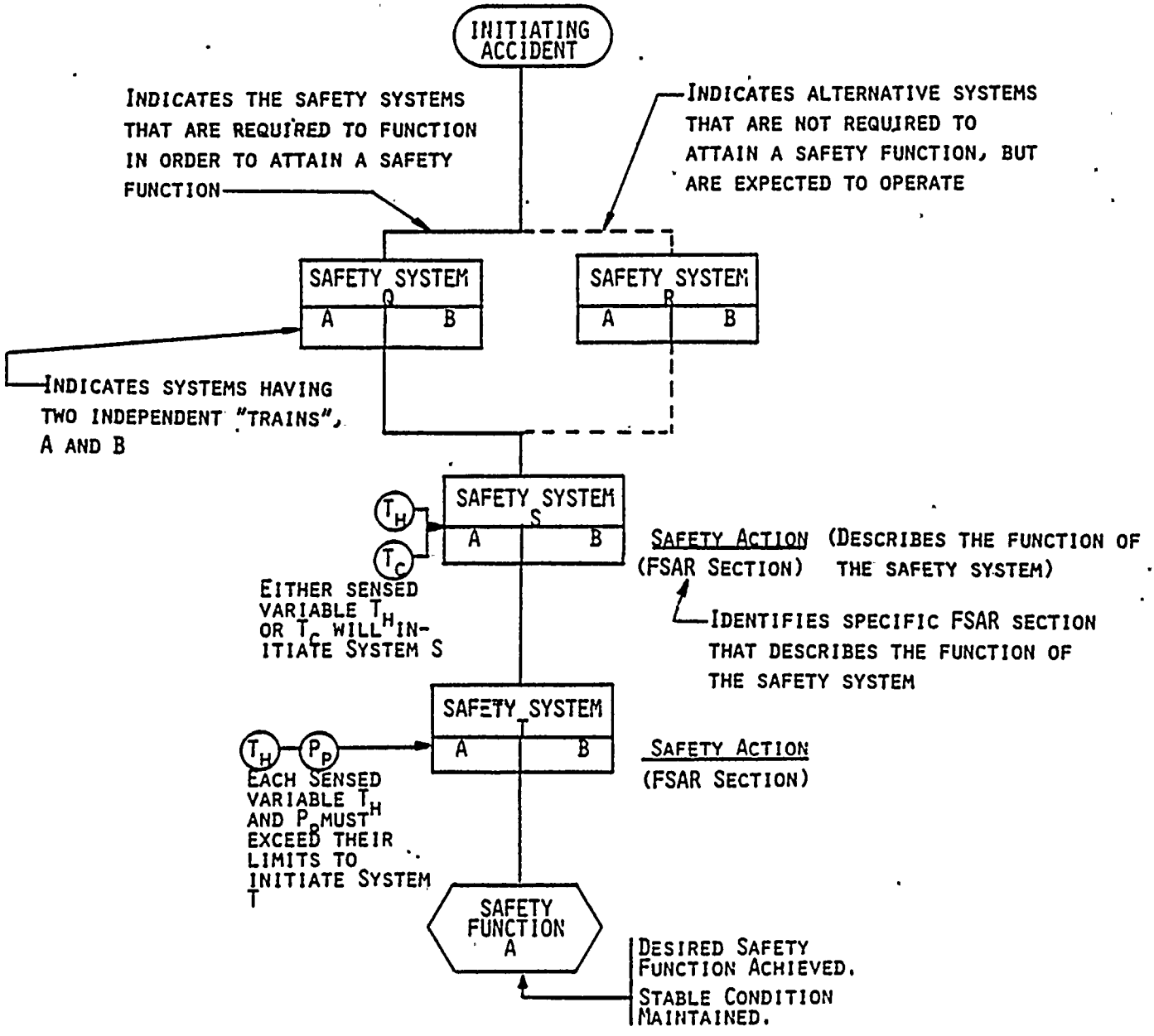


Figure 4.2
Sample Safety Function Path Diagram

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

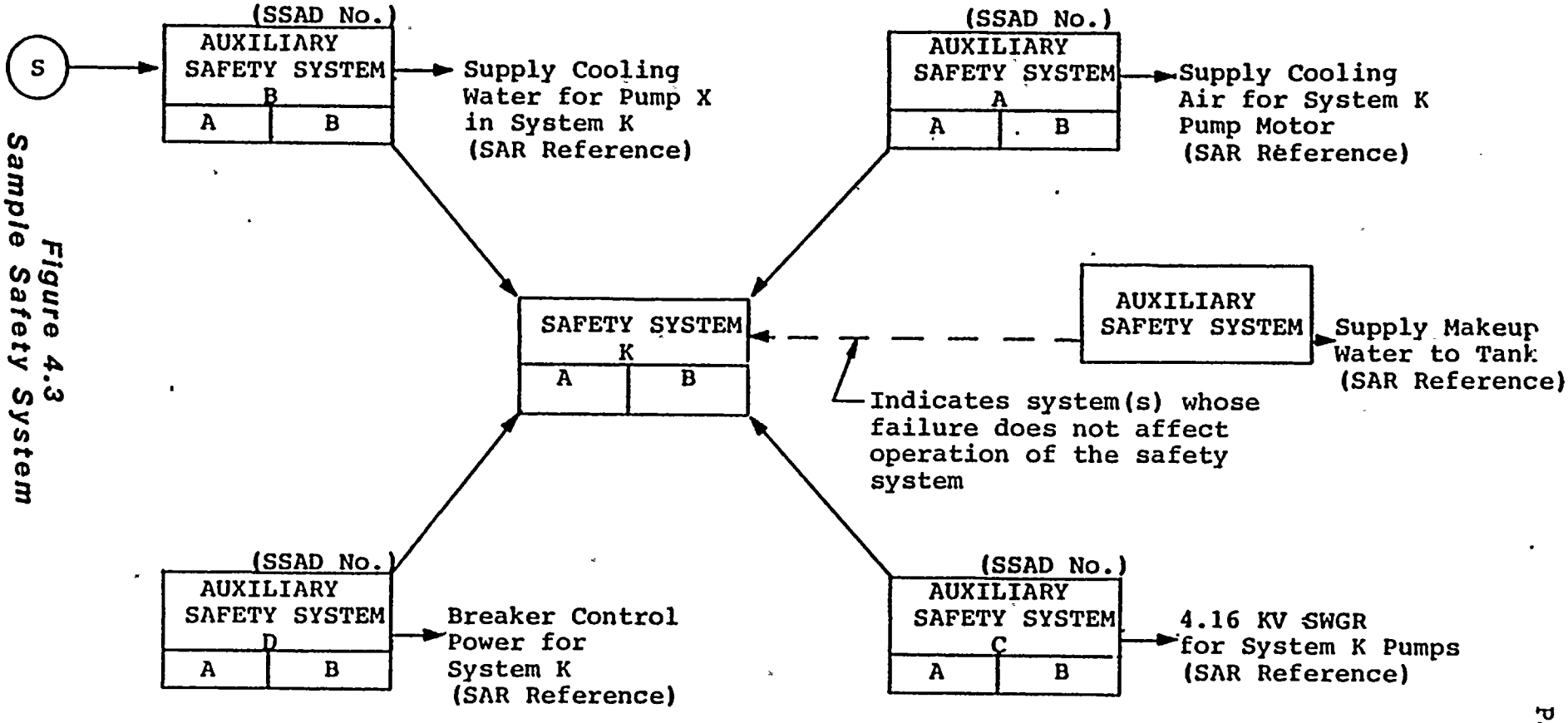


Figure 4.3
Sample Safety System
Auxiliary Diagram

SYSTEM DESCRIPTION

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

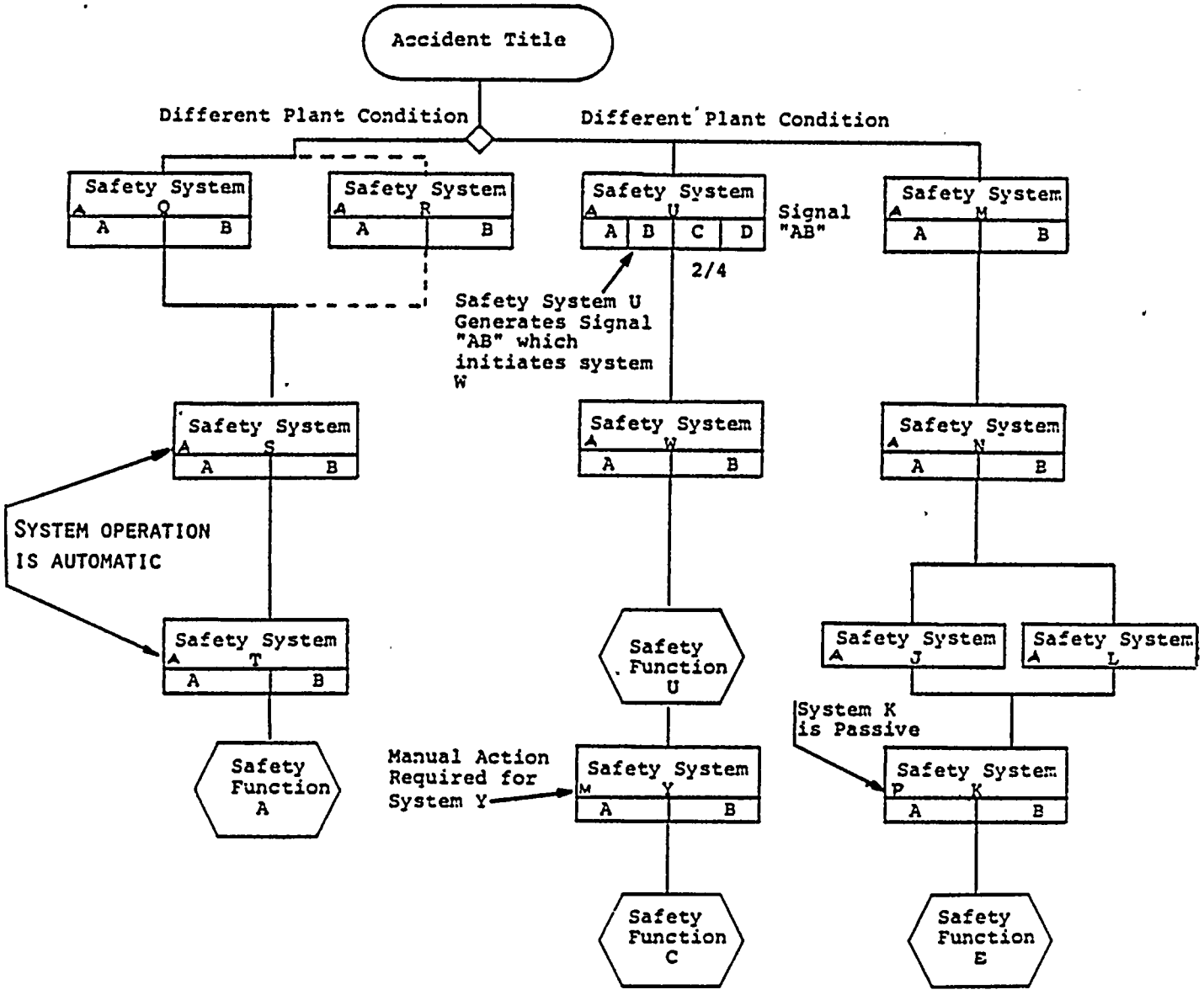


Figure 4.4
Sample Safety Sequence Diagram

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

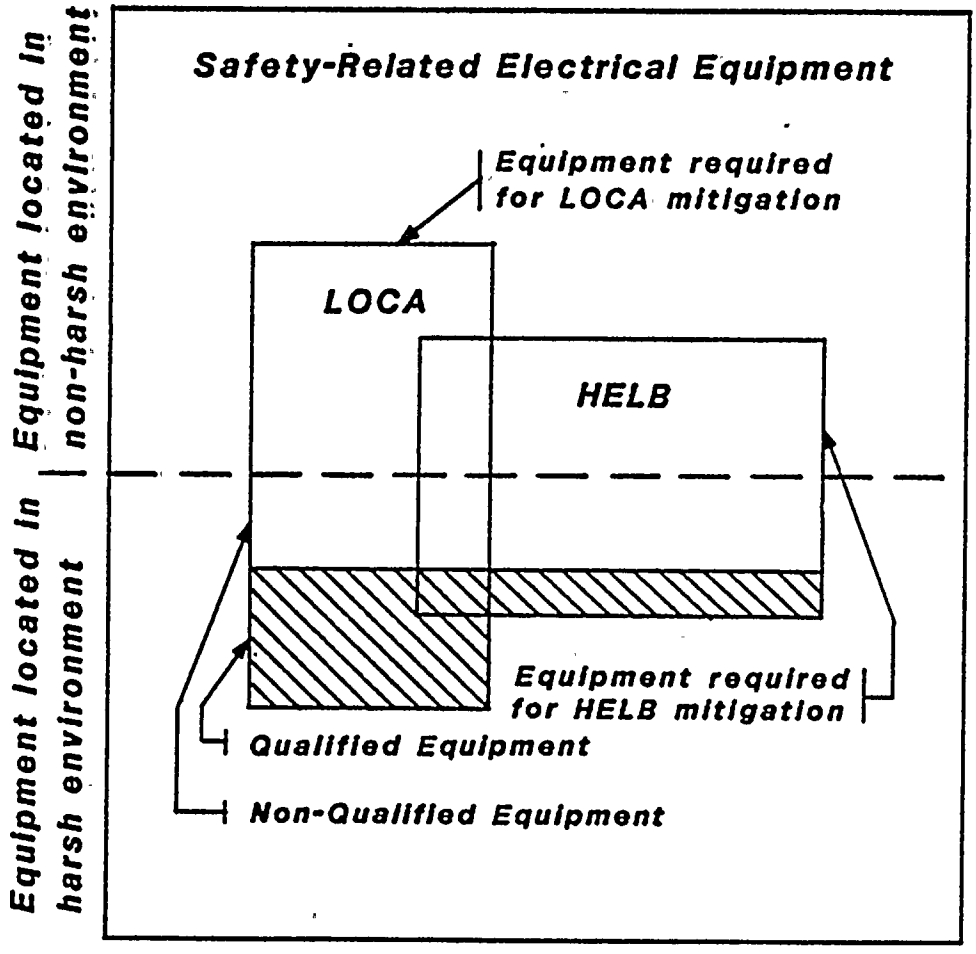


Figure 4.7

Safety-Related Electrical Equipment to Have Qualification Documentation Prior to Full Power Operation or First Refueling

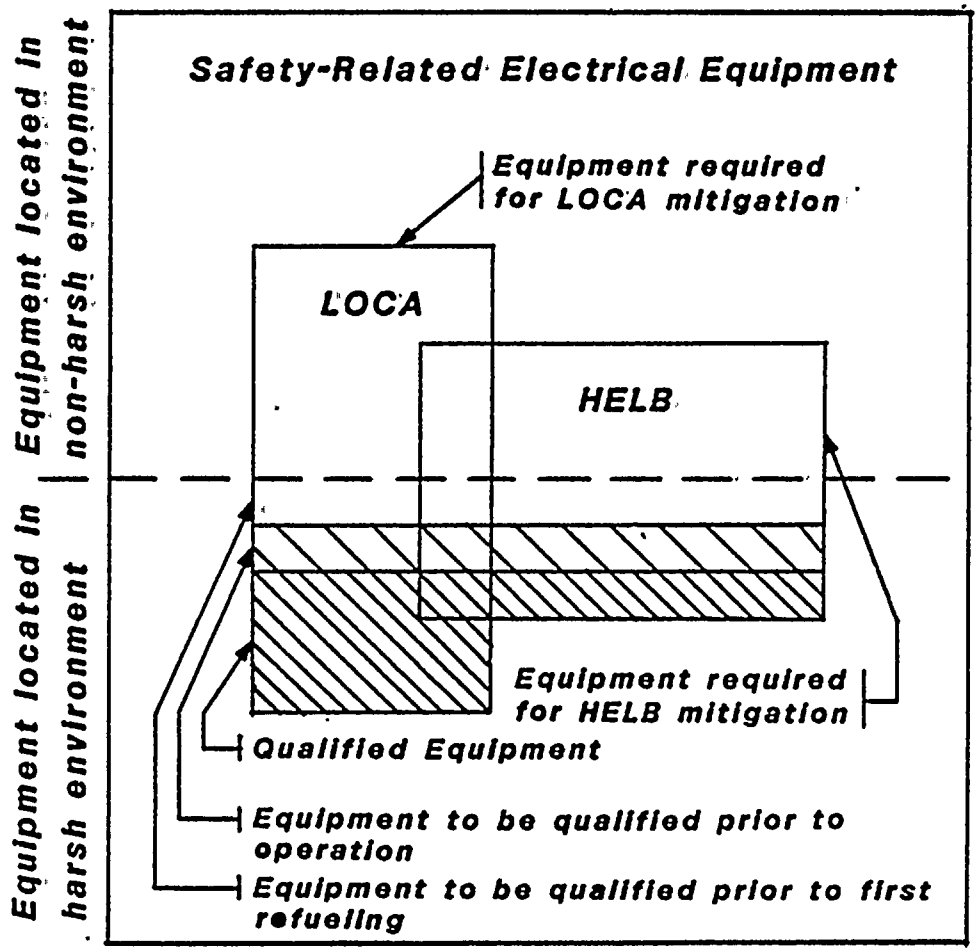


TABLE A

QUALIFIED EQUIPMENT

ACCIDENT 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	

NOTE: For definition of table headings, see Table E.

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
MSLC-42-EHC/A	R522N	2	None	3	*	
MSLC-42-EHC/B	R522N	2	None	3	*	
MSLC-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			STATUS
			Exp To	Reqd For	Qual To	
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/V1O	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			STATUS
			Exp To	Reqd For	Qual To	
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	*	

TABLE A

QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
REA-POS-V/1	R572N	1	M	1	*	
REA-POS-V/2	R572N	1	M	1	*	

TABLE A

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	*	

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QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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	*	

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QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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*	

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QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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*	

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QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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	*	

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QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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	*	

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QUALIFIED EQUIPMENT

EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
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EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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	*	" " " " "

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
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EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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	*	" " " " "

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
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EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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	*	"

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
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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
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EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS			
			Exp To	Reqd For	Qual To				
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*	"	"	"	

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EQUIPMENT TO HAVE QUALIFICATION DOCUMENTATION
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EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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
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EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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	" " " " "

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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	
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			STATUS
			Exp To	Reqd For	Qual To	
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	" " " " "

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	
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
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EPN	RAD ZONE	USE CODE	ACCIDENT INFORMATION			STATUS
			Exp To	Reqd For	Qual To	
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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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			STATUS
			Exp To	Reqd For	Qual To	
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	*	" " "

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	
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	*	" " "

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	
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*	" " "

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	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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	*	

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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*	

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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	*	

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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-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*	

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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			STATUS
			Exp To	Reqd For	Qual To	
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			STATUS
			Exp To	Reqd For	Qual To	
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*	

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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*	

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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	
REA-M-AD/8	R548K	1	LM	1	*	
REA-POS-AD/8	R548K	1	LM	1	*	

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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-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			STATUS
			Exp To	Reqd For	Qual To	
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	*	

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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	

SGT-ME-79			79
SGT-RCL-[illegible]		2	C
SGT-RCL-[illegible]		1	[illegible]
SGT-RCL-[illegible]		2	[illegible]
SGT-[illegible]		[illegible]	[illegible]
SGT-PHS-[illegible]		[illegible]	[illegible]
SGT-MWS-[illegible]		[illegible]	[illegible]
SGT-RMS-[illegible]		2	[illegible]
SGT-RMS-[illegible]		[illegible]	[illegible]
SGT-RMS-[illegible]		3	[illegible]
SGT-RMS-[illegible]		[illegible]	[illegible]
SGT-RMS-[illegible]		2	[illegible]
SGT-RMS-[illegible]		[illegible]	[illegible]
SGT-RMS-[illegible]		[illegible]	[illegible]
SGT-RMS-[illegible]		[illegible]	[illegible]
SGT-RMS-[illegible]		[illegible]	[illegible]
SGT-RMS-[illegible]		[illegible]	[illegible]
SGT-RMS-[illegible]		[illegible]	[illegible]
SGT-[illegible]		[illegible]	[illegible]
SGT-[illegible]		[illegible]	[illegible]
SGT

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	

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	

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

ROUTEMEMBERSHIP CAM FOR METRO AREA ASSIGNING BASE ROUTING

ITEM	REF NO	SEQ CODE	TRANSP CODE	COMMENT
SEC-TS-1	RC##C	1	P	SEC sys func is non-aerial/ne
SEC-LTC-LTC/1	RC##C	1	P	SEC sys func is non-aerial/ne
SEC-TC-6	TR##C	3	P	SEC sys func is non-aerial/ne
SEC-RMS-A\63	TR##C	3	P	SEC sys func is non-aerial/ne
SEC-RMS-B\IF	RT##C	3	P	SEC sys func is non-aerial/ne
SEC-RMS-5 IX	RT##C	3	P	SEC sys func is non-aerial/ne
SEC-RMS-FRC\2	RT##C	3	P	SEC sys func is non-aerial/ne
SEC-RLA-KC	RC##C	3	P	SEC sys func is non-aerial/ne
SEC-BL-4	RC##C	1	P	SEC sys func is non-aerial/ne
SEC-BOS-W\JI	RT##C	3	P	SEC sys func is non-aerial/ne
SEC-BOS-S	TR##C	1	P	SEC sys func is non-aerial/ne
SEC-MO-IF	TR##C	3	P	SEC sys func is non-aerial/ne
SEC-MO-I/	TR##C	3	P	SEC sys func is non-aerial/ne
SEC-W-F\IE	RT##C	3	P	SEC sys func is non-aerial/ne
SEC-W-5\IX	TR##C	3	P	SEC sys func is non-aerial/ne
SEC-UL-1	RC##C	3	P	SEC sys func is non-aerial/ne
SEC-EL-1	RT##C	3	P	SEC sys func is non-aerial/ne
SEC-ZIC-4	TR##C	3	P	SEC sys func is non-aerial/ne
SEC-EMC-3	RC##C	3	P	SEC sys func is non-aerial/ne
SEC-EMC-4	TR##C	3	P	SEC sys func is non-aerial/ne

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

EQUIP.	RAC ZONE	ISE CODE	PERSON CODE	COMMENTS
SW-RT-1	R5227K	3	9	
SW-RT-2	R5127K	3	9	

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

DESIGN FLOWS

The following limitations were accepted as realistic operating
in process results:

A. Safety Injection: A injection mode may be provided in order
to maintain the nuclear plant in a safe and stable condition.
Safety Injection modes below will assure that the NSP : plant
meets the safety objectives noted in Section 1.0.

The safety functions are:

1. Emergency reactor shutdown

By velocity C test - setup run and control core reactivity
to assure nuclear safety.

2. Primary Cores Under Monitor

Required all personnel in the use of primary containment
to remain at a safe distance to prevent a significant
release of radioac. ve material.

3. Reactor Core Cooling

a. Inertial C re l ntry - dynamic core heat removal
in ultimate containment or accident to prevent damage to
fuel rods. This function involves the injection of
the design cooling water by various methods and systems.

b. RCS Pressure Control - minimal reactor coolant system
pressure in accordance with thermal-hydraulic limits
for any given reactor operation mode.

c. RCS Level Control - minimal 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.

condition, or rated as acceptable.

0 The equipment will not exhaust the environmental conditions of design parameters according to the manufacturer's recommendations.

X

Use Codes:

Acceptance

are:

Codes for the equipment "USE" testing : Design Basis Accident

according instructions.

8. Use: Insert code which describe equipment in testing

materials in the structure.

ocean or distant exposure to radioactive

boron: a/ release rate out of the reactor building to

Feature Build ... - seismic - seismic and/or controlling

to the Navigation-Air

9. Recovery of light oil release of radioactive material

extended, method is given via recirculation of reactor

fuel-fire fuel build - burning core heat removal for

.unit,

5. Core Heating Heat Source:

nonessential structure and its' content.

accident. Used to ... wear to prevent damage to ...

to-water via the containment dual-purpose multi-

m. Primary Containment, pressure and temperature ... -

den exhaustion

limits to urges to prevent the possibility of a hydro-

containment H_2 and O_2 concentration within acceptable

a. Primary Containment Hydrogen Control - to maintain the

4. Containment Integrity

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.

zones are shown as tabs in Appendix B.

c. Radiation Zones: The reactor building was divided into zones to facilitate the equipment radiation dose determination. These

equipment would be located outside the Reactor Building exclusive of its accident resistive environment. This quantified to demonstrate operability under the expected maximum to withstand accident and that will be meaningful directions of a design basis accident for which it is designed and stamped. Safety related equipment that will not experience environ-

mental conditions, but may be qualified for its non-accident environment, and will not be required for any accident mitigation, and is not to be located to prove safety or accident condition of safe accident, and those failure in such a design basis accident through which it need not function

Equipment shall experience environmental conditions of-

to , with a safety margin to failure.

accident while that the time during which it must for

digned to demonstrate the capability to withstand any

plant safety accident mitigation, and it will be

shutdown which it must not fail in a manner detrimental to

an active function for mitigation of said accident ; a

a design basis accident through which it need not perform

Equipment will experience the environmental conditions as

to failure.

time indicated for accident mitigation with a safety margin

demonstrate operability in the accident environment for the

mitigate said accident, and that will be qualified to

of a design basis accident for which it must function

Equipment that will experience the environmental conditions

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 Indication: This column in Appendices A, B, and C includes "Exp To", which indicates the accident that equipment would be exposed to; "Used For", which identifies the accident that a component would be required for; and "Qual To", indicating the accident to which equipment must be qualified to.

E. Harsh Environment: An area that would be exposed to one or more of the following during design basis accidents and/or the total mission: (normal + accident) is above 1×10^4 rad, pressure is above 3 atmospheres in the maximum temperature, pressure is above

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 Mon. System
CPA:	Containment Medium Radiation Ex
CPD:	Control Rod Drive Hydraulic
CSP:	Containment Spray Supply
CVB:	Containment Vacuum Breaker
D:	Electrical
EDR:	Equipment Drain... Radioactive
FC:	Fuel Pool Cooling
FPC:	Fuel Pool Cooling
FPR:	Fuel Pool Radiation
HPCS:	High Pressure Core Spray
HX:	Hydraulic Control
IRM:	Intermediate Range Mon.
LD:	Leak Detection
LPCS:	Low Pressure Core Spray
LPRM:	Local Power Range Mon.
MS:	Main Steam
MSIC:	Main Steam Leakage Control
PI:	Process Rad Monitoring
RCC:	Reactor Building Closed Cooling
RIC:	Reactor Core Isolation Cooling
REA:	Reactor Exhaust Air
RM:	Reactor Feedwater
RR:	Recirc Heat Removal
ROA:	Reactor Bldg Air
RS:	Reactor Protection System
RWA:	Reactor Bldg Air
RWC:	Reactor Recirculation
RWCU:	Reactor Water Clean-Up
SBT:	Standby Gas Treatment
SC:	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