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ENGINEERING REPORT

WNP-2 NUREG 0588 ENVIRONMENTAL EQUIPMENT QUALIFICATION REPORT

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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. All Class 1E equipment at WNP-2 has 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.

Additional environmental qualification submittals will be made as qualification activities are completed. These submittals will document the actions that are being taken to resolve all qualification deficiencies and provide a justification for interim operation for equipment with deficient qualification documentation.

2.0 CLASS 1E EQUIPMENT LIST

D 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.

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

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

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

- Safety Function. The Class 1E function or functions a piece of equipment or system is required to perform or monitor. Safety functions include emergency reactor shutdown, containment isolation, reactor core cooling, containment heat removal, reactor heat removal and prevention of release of radioactive material to the environment.
- Required Operating Time. The time a component is required to be functional or retain its pressure integrity following a Design Basis Accident.

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

A plant walkdown was performed to determine the manufacturer's data for each Class 1E component. 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 in primary containment and the reactor building are provided. This list is included in Appendix A.

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 were defined according to Reference 5 and the WNP-2 FSAR (Reference 6). The accident profile, presented in Appendix B, was determined from a General Electric analysis of the response of a BWR Mark II containment to a full spectrum of possible

LOCA/HELB. The accident conditions due to a main steam line break are enveloped by the specified profile. The margin of $T_{\text{sat}} + 20^{\circ}\text{F}$ has been included in the accident profile.

A plant specific analysis is being performed to assure that this profile is a conservative representation of the response of the WNP-2 containment.

3.2.2 Spray

A demineralized water spray could be used in primary containment at WNP-2. Spray impingement on Class 1E equipment in the vicinity of the spray header has been evaluated.

3.2.3 Radiation Inside and Outside Containment

The accident radiation environments in the primary containment are being 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 5. A plant specific evaluation is being performed to verify the adequacy of the GE equipment environment interface data. Reference 19 contains the methodology being used to perform this evaluation.

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 chosen. 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 where a component was not qualified to the worst zone dose, component specific TID's were calculated.

The methodology and results of the radiation evaluations are documented 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 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.

The radiation levels in the Standby Gas Treatment (SGT) and Containment Atmosphere Control (CAC) areas are being redefined. More realistic primary containment leak rate and airborne activity assumptions are being used. Preliminary results indicate substantially reduced accident doses in these areas. Final determination of the qualification status of equipment in these areas is awaiting completion of this activity.

3.2.4 Temperature/Pressure Outside Containment

Class 1E equipment in the reactor building could be exposed to two postulated accident types: a LOCA/HELB 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/HELB in primary containment would cause an increase in the reactor building's temperature and humidity. The maximum conditions have been defined as $T_{\max} = 150^{\circ}\text{F}$ and 100% R.H. (Reference 6). An evaluation is currently being performed to determine the actual time/humidity profile.

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 relative humidity was assumed to be 100 percent to obtain the maximum accident temperatures.

The accident profile due to a main steam line break in the steam tunnel was determined from Reference 5. The remaining temperature/pressure profiles in the reactor building were developed using the RELAP4 and CONTEMP4 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 is currently underway for all postulated accidents. The results of this analysis may modify the worst environmental conditions for some components. At the conclusion of this analysis, additional component evaluations will be performed, if required.

3.2.5 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 diaphragm floor and the top of the downcomer vent pipes.

The flooding due to postulated high energy line breaks in the reactor building is being evaluated. Upon completion of the evaluation, if any Class 1E component is found to be located at or below the flood level, it will be relocated. If relocation is not feasible, it will be protected or qualified for submergence.

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).

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:

$T_{\max} = 108^{\circ}\text{F}$

$P_{\max} = \text{atmospheric}$

$\text{R.H.}_{\max} = 90\%$

Radiation $<10^4$ rad TID

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 life 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 in vendor qualification files 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

All 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, and IEEE 323-71. The Supply System Engineering Procedure EDI-4.8, 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.

c. 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 qualification, when necessary. The Equipment Qualification Reports in Appendix C summarize the evaluations that have been performed.

d. 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 described below, contained in Reference 18, were used to determine the qualification level of each component. They meet 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.

1. 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 demineralized water spray. This condition is found only in the primary containment.
2. Moderate Harsh environments--This environment is created by a steam line break outside containment and is characterized by High to Moderate temperatures, steam conditions and 100% relative humidity. High pressures, radiation, spray or flooding are not present in this environment.

These environments can cause adjacent plant area environments to change and produce harsher environments than would be present during normal operation. Most of the Reactor Building will experience a change from its normal environment due to a LOCA in primary containment. With the exception of the SGTS, Hydrogen Recombiner, and the RCIC pump room which have high radiation levels due to processing containment atmosphere, moderate radiation, moderate temperature, and 100% humidity characterize their conditions. Significant changes in pressure, steam conditions, spray or flooding do not occur.

In conformance with Appendix E of NUREG 0588, all 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 complete 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 qualified life,

radiation exposure, steam temperature/pressure levels and duration were adequate to envelop the containment environmental service conditions. When actual 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 (moderate harsh environment) and the secondary harsh environment created by the LOCA inside containment.

For equipment in moderate 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 100% 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 transistor 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 susceptibility 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 but they are produced by separate accidents.

4.3 MARGIN

Margin, or conservatism, is added to all 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 incontainment thermal hydraulic profiles contain the $T_{sat} + 200F$ margin. 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 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.

A qualified life has been determined for all Class 1E equipment in primary containment. 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 a qualified 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 in the reactor building is an unlikely event, in any case. Accident temperatures are low and radiation doses are often below the damage threshold of the components. Therefore, the stresses on components would not be increased significantly to cause common mode failure of equipment in an advanced life state.

4.5 DOCUMENTATION

The 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.



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

All of the installed Class 1E equipment and most of the equipment yet to be installed has been identified. 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 requirements of NUREG 0588, Category II. None of the components failed the qualification testing; but, 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 procured to address Reg. Guide 1.97 concerns.
- LOCA tests have been completed on terminal blocks. Test specifications are being developed for five other equipment types.
- Evaluation of fourteen (14) BWR NSSS generic instrument types is in progress.

- 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 being 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 the BWR Utility Equipment Environmental Qualification Group.
- All new Class 1E equipment located in harsh environment areas currently being ordered are specified to be qualified to IEEE 323-74 and 344-75.
- All IE Bulletins, Circulars and Information Notices are being reviewed to determine their impact on the WNP-2 equipment qualification program.

6.0 JUSTIFICATION FOR INTERIM OPERATION

To obtain an operating license for WNP-2, the Supply System has been notified that all 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 the Supply System that any corrective action determined as a result of this review must be completed before a full power license will be granted.

The Equipment Qualification Program for WNP-2 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 qualified before desired start-up of WNP-2. Therefore, a Justification for Interim Operation (JIO) of WNP-2 will be performed and submitted at a later date to provide a basis for operation. It is expected that this interim operating period would not exceed one refueling cycle.

This study will evaluate the following six safety objectives:

1. Emergency Reactor Shutdown
2. Containment Isolation
3. Reactor Core Cooling
4. Containment Heat Removal
5. Core Residual Heat Removal
6. Prevention of Significant Release of Radioactive Material to the Environment

The primary systems and equipment necessary to achieve these six safety functions have been identified and are provided herein (Reference Appendix Safety Function Data Field).

The basic design of WNP-2, which incorporates the BWR industry design practice of defense in depth, diversity of function and separation of divisions, provides other means of accomplishing the six safety functions. The JIO for WNP-2 will evaluate other means that can be used and determine the degree of influence of harsh environments on these alternate systems and equipment.

Preliminary investigation on WNP-2 and studies of this nature by other BWR plants of similar design provide confidence that this evaluation will show WNP-2 can achieve the six safety functions identified above without completion of the full qualification program prior to full power operation. In the event that this evaluation also shows that some equipment requires qualification prior to full power operation, qualification programs will be scheduled and completed consistent with the full power operating schedule.

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. The humidity in the reactor building due to a LOCA in containment is also being reevaluated. Radiation doses in primary containment and the SGT and CAC equipment areas are being reevaluated to reduce conservatisms.
- All Class 1E equipment has been identified by the tag number. 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 when additional data is received.
- Actions have been taken to resolve qualification deficiencies.

2792 Class 1E components have been identified. Qualification data has been evaluated and a qualification status has been determined for 2662 (95%) of these components. The status of the equipment evaluations is as follows:

- 1997 components are qualified to the environmental service conditions
- 171 components are being qualified by modification of the environment
- 108 components are being replaced or purchased qualified
- 51 components are being type tested
- 297 components are being qualified by engineering evaluations or testing.
- 168 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. Additional submittals will be made as qualification activities are completed.

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; 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.
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11. EDS Nuclear Inc., "WNP-2 Shielding Evaluation", Report No. 01-0740-1152, Revision 0, April 1981.
12. Washington Public Power Supply System, "WNP-2 Subcompartment Temperature and Pressure Analyses for High Energy Pipe Breaks in the Reactor Building", Memo ED-CDS-81-05, May 27, 1981.
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. CONTEMP4/MOD2, "A Multicompartment Containment Systems Analysis Program" TREE-NUREG 1202, February 1978.
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. Washington Public Power Supply System, "Interim Shielding Evaluation Radiation Report", letter No. GO-2-82-24 from G. D. Bouchey (WPPSS) to A. Schwencer (NRC), January 11, 1982.

Appendix A contains the following information:

- Class 1E List Users Manual: a description of the use fields and abbreviations on the Class 1E List A.1
- System Code List: a list of system abbreviations used on the Class 1E Equipment List A.10
- Component Table: a list of the component abbreviations used on the Class 1E Equipment List A.14
- Class 1E Equipment List



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.

<u>Symbol</u>	<u>Function</u>
A.	Emergency Reactor Shutdown including SCRAM Signals and Reactivity Insertion.

<u>Symbol</u>	<u>Function</u>
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 Oper- ability or Personnel Habitability

9. PLANT LOCATION The location of the component within the plant by build-
ing, 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

PROJ	SYSTEM CODE	SYSTEM TITLE
02	ANN	ANNUNCIATORS
02	APRH	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	BO	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	CHS	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-HYDRAULIC CONTROL SYSTEM
02	DG	DIESEL GENERATOR SYSTEM
02	DLO	DIESEL LUBE OIL SYSTEM
02	DHA	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	EOR	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	FRC	FUEL POOL COOLING SYSTEM

PROJ SYSTEM CODE

PROJ	SYSTEM CODE	SYSTEM TITLE
02	FV	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	GPMH	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 TRANSFERT SYSTEM
02	MV	MISCELLANEOUS VENTS (PIPING ONLY)
02	NW	MISCELLANEOUS WASTE SYSTEM
02	NWR	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	PHA	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	PVH	POTABLE HOT WATER
02	PWR	PROCESS RADIOACTIVE (SOLIDS) SYSTEM
02	R	REACTOR BLDG STRUCTURE & APPURTANCES
02	RBM	RBD 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	RRR	REACTOR BUILDING RETURN AIR (HVAC) SYSTEM
02	RRC	REACTOR RECIRCULATION SYSTEM
02	RWCU	REACTOR WATER CLEANUP SYSTEM
02	S	SAMPLING SYSTEM
02	SA	SERVICE AIR SYSTEM
02	SAT	SULFURIC ACID TREATMENT SYSTEM
02	SCH	SERVICE BUILDING CHILLED WATER SYSTEM
02	SCI	SUPERVISORY CONTROL INSTRUMENTATION
02	SCW	STATOR COOLING WATER SYSTEM
02	SEA	SERVICE BUILDING EXHAUST AIR (HVAC) SYSTEM
02	SEC	PLANT SECURITY SYSTEM
02	SEIS	SEISMIC MONITORING SYSTEM
02	SGT	STANDBY GAS TREATMENT SYSTEM
02	SHCO	SERVICE BUILDING HEATING CONDENSATE SYSTEM
02	SHHW	SERVICE BUILDING HEATING HOT WATER SYSTEM
02	SLC	STANDBY LIQUID CONTROL SYSTEM
02	SM	SAMPLING SYSTEM
02	SHA	SERVICE BUILDING MIXED AIR (HVAC) SYSTEM
02	SO	SEAL OIL SYSTEM
02	SPM	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 IN CORE PROBE SYSTEM
02	THU	TOWER MAKE UP WATER SYSTEM
02	TO	TURBINE LOEE 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	WHA	WASTE BUILDING MIXED AIR (HVAC) SYSTEM
02	WNP2	GENERAL SITE STRUCTURES, SYSTEMS & EQUIPMENT

WNP-2 MASTER EQUIPMENT LIST
SYSTEM CODE LIST
SYSTEM TITLE

PROJ SYSTEM CODE

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

As 13

COMP CODE	COMPONENT IDENTIFICATION	C	MFRD	ABCDEF	H	UNIT	H	UNIT	J	UNIT	C	IE	C	P	P	SPARE	S
		R	COMP								L	EE	GR	S	M	PART NO	CLS
AC	AIR CONDITIONING UNIT	M	BLOWER	K 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	EMCA				DEGF		AMP	B	#					02-386
AM	AMMETER	E	INSTRU	YX ##						B	#						02-295
AMP	AMPLIFIER		INSTRU	VX CA						B	#						02-195
ANN	ANNUNCIATORS	E	ANNUNC	C#####						B	#						02-
AO	AIR OPERATOR	M	VALVOP	##		LB		FTLB		B	C	#					02-303
AR	AIR RECEIVER																02-120
AR	ALARM RECORDER																02-205
ASU	AIR SWITCH	I	VALVEN	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	#						02-158
BD	BOARD	E		#####						B	#						02-##
BJH	BRANCH JUNCTION MODULE	I	INSTRU	XYOX##						B	#						02-385
BL	EAHER	M	HECFUN	XX ##		FTLB		RPM		RPM	C	#					02-020
BLR	BOILER	M	HTEXCH	B ##		KSFT		PSIG		MBH	C	#					02-025 OT
BUOY	BUOY	I	HECFUN	#####						B	D	#					02-175 OT
B3	24 VOLT BATTERY	E	BATTERY	##				VDC		AMPH	B	#					02-260
B1	125 VOLT BATTERY	E	BATTERY	##				VDC		AMPH	B	#					02-260
B2	250 VOLT BATTERY	E	BATTERY	##				VDC		AMPH	B	#					02-260
C	COMPRESSOR	M	BLOWER	##		SCFM		PSIG		HP	C	#					02-
CAR	CHLORINE ANALYZER/RECORDER	I	INSTRU	A ##						B	#						02-150
CB	CIRCUIT BREAKER	E	CKTBKR	A ##		VAC		DEGF		AMP	B	#					02-265
CBL	CABLE	E	ELECON	C#####													02-
CC	COOLING COIL	M	HTEXCH	CH ##		KSFT		PSIG		MBH	C	#					02-055
CCU	CENTRAL CONTROL UNIT	I	INSTRU	UCCFF													02-
CE	CONDUCTIVITY ELEMENT	I	INSTRU	CE ##						B	#						02-170
CF	CHARCOAL FILTER	M	FILTER	A ##		SCFM		PSIC		MICR	B	#					02-040
CHL	CHLORINATORS	M		#####						C	#						02-
CI	CONDUCTIVITY INDICATOR	I	INSTRU	CIRCX##						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	CORROSIIVITY SENSOR	I	INSTRU	XEN ##						B	#						02-
COMP	COMPUTER	I	INSTRU														02-202
CON	CONDUCTIVITY ANAL/CONTROLLER	I	INSTRU	CX ##						B	#						02-159
CONN	CONNECTOR, CL. 1E ONLY*	E	ELECON	A#####													02-
COR	CORROSIIVITY RECORDER	I	INSTRU	XR# ##						B	#						02-
CP	CONTROL PANEL	E		#####						B	#						02-##
CPL	CATA COUPLER	I	INSTRU	NYNCKM 00001		VDC		222		222							02-035
CR	DIODE, CL. 1E ONLY*																02-
CR	CONDUCTIVITY RECORDER																02-205
CR	CFILTER																02-055
CRA	CRANE	M	HECFUN	CX ##		FTLB		RPM	RPM	C	#						02-106
CRM	CONTRCL ROOM MODULE	I	INSTRU	UYCYX													02-
CS	CONDUCTIVITY SWITCH	I	INSTRU	CSH ##						B	#						02-325
CT	CURRENT TRANSFORMER																02-345

A.14

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 MASTER EQUIPMENT LIST
 COMPONENT TABLE

COMP CODE	COMPONENT IDENTIFICATION	C	NPRD	R	COMP	A	B	C	D	E	F	G	UNIT	H	UNIT	J	UNIT	L	IE	C/	P	P	SPARE	SAF	
																			EE	GR	S	H	PART NO	CLS	
CT	CONDUCTIVITY TRANSMITTER																							02-230	
CT	COOLING TOWER																							02-059	
CU	CONDENSING UNIT	M			ACCUKU	X							PSIG		DEGF									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-	
E	DAPPER	M			VALVEX	B	G						IN		PSIG		DEGF	C						02-019	OT
EC	CUST COLLECTOR	M			FILTER								SCFM		PSID		MICR	C						02-024	OT
DE	DENSITY ELEMENT	I			INSTRU	XEN												B						02-170	
DET	DETECTOR	I			INSTRU	ASEAG												B						02-170	
DFS	DIFFERENTIAL FLOW SWITCH	I			INSTRU	FSD												B						02-325	
DIF	DIFFUSER	M			PIPEXX	X							IN		PSIG			C						02-080	OT
DISC	FUSED DISCONNECT	E			CKTBRK	A	A								DEGF		AMP							02-	
CLR	DIFFERENTIAL LEVEL RECORDER	I			INSTRU	LRO												B						02-205	
DL	DIFFERENTIAL LEVEL SWITCH	I			INSTRU	LSD												B						02-325	
DLT	DIFFERENTIAL LEVEL TRANSMITTER	I			INSTRU	LTO												B						02-230	
DH	DEMINERALIZER	M			DIINX								GPM		PSID		GHSF	B						02-042	
DMS	DEHISTER	M			AIRDY	CD							PSIG		SCFM		DEGF							02-	
DMTR	DEMAND METER	E			INSTRU	IICB									APP		AMP							02-295	
COE	DISSOLVED OXYGEN ELEMENT	I			INSTRU	XEN												B						02-170	
DOIT	DISSOLVED OXYGEN INDIC TRANS	I			INSTRU	ATI												B						02-230	
DOOR	DOOR	M			PENETR	ZNA												D						02-115	OT
DP	DISTRIBUTION PANEL	E			CKTBRK	K-DAB							120 VAC		DEGF		AMP	B						02-305	
DPC	D PRESS CONTROLLER	I			INSTRU	PCD												B						02-155	
DPE	D RIP PAN ELBOW	M			PIPEXX								IN		PSIG			D						02-080	OT
OPI	D PRESS INDICATOR	I			INSTRU	PIO												B						02-175	
DPIC	D PRESS INDICAT CONTROLLER	I			INSTRU	PCI												B						02-155	
CPIR	D PRESS INDICAT RECORDER	I			INSTRU	PRI												B						02-205	
DPIS	D PRESS INDICATING SWITCH	I			INSTRU	PSI												B						02-325	
OPIT	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	XSB												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	TTO												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			AIRDY								PSIG		SCFM		DEGF	C						02-982	
E/H	ELECTROHYDRAULIC CONVERTER	I			INSTRU	EXN												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	
EAHF	ELECTRICE STAGE AMPLIFIER OR PREAMPL	I			INSTRU	EYF												B						02-177	
ED	ELECTRICE CTOR	M			PUMPXX	K									GPM			C						02-081	O
EPFX	EXCESS FLOW CHECK VALVE	M			VALVEX	CXK	B						IN		PSIG		DEGF	B						02-130	
EHC	ELECTRIC HEATING COIL	E			HEATER	X												C						02-290	

A-15

COMP CODE	COMPONENT IDENTIFICATION	C	NPRD COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	C	IE	C/	P	P	SPARE PART NO	SAF
		R									L	EE	GR	S	M		CLS
EHO	ELECTROHYDRAULIC OPERATOR	M	VALVOP	C #		LB		FTLB #			B					02-304	
EI	VOLTMETER(SEE V FOR B&R USE)	E	INSTRU	EINCB#												02-295	
EJ	EXPANSION JOINT	M	PIPEXX	X X		IN		PSIG #			C					02-080	
EJC	EJECTOR, INJECTOR OR EDUCTOR	M	PUMPXX	X #		FTHO		GPH #			C					02-081	
ELEV	ELEVATOR	E	MECFUN	XX#		FTLB		RPM		RPM	C					02-106	
ELF	EMER LIGHT FIXTURE, CL. 1E*	E	ELECON	XABXX		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	#X#		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	E									C					02-035	
ES	EXHAUST SILENCER	M	PIPEXX	X #		IN		PSIG #			D					02-080	OT
ESH	ELECTRIC STRIP HEATER	E	HEATER	X#X#X#							C					02-290	
ETD	TRANSLOCER, VOLTAGE	I	INSTRU	EYN #							B					02-	
EUH	ELECTRIC UNIT HEATER	E	HEATER	X#X#X#							C					02-290	OT
EV	EVAPORATOR	M	HTEXCH	E #		KSFT		PSIG		MBH	C					02-055	
EX	EXHAUSTER	M	BLOWER	C A #		SCFM		PSIG		HP	D					02-280	
EXC	EXCITER	E	GENERA	X		RPM				KW	B					02-285	
F	FLUO FILTER	M	FILTER	#				PSID		HICR	C					02-	
FA	FLAME ARRESTOR	M	PIPEXX	X #		IN		PSIG #			D					02-080	OT
FC	FAN COIL															02-024	
FC	FLOW CONTROLLER															02-199	
FCN	FILL CONNECTION	M	PIPEXX	X #		IN					D					02-080	OT
FCV	FLOW CONTROL VALVE	M	VALVEX	F G		IN		PSIG #		DEGF	C					02-133	
FE	FLOW ELEMENT	I	INSTRU	FENA #							B					02-170	
FG	FLOW GLASS	I	INSTRU	FINCC#							B					02-175	OT
FGEN	FUNCTION GENERATOR	I	INSTRU													02-177	
FH	FUME HOOD	M	BLOWER	D #		SCFM		PSIG		HP	D					02-024	OT
FI	FLOW INDICATOR	I	INSTRU	FI#							B					02-175	
FIC	FLOW INDICATING CONTROLLER	I	INSTRU	FCI #							B					02-195	
FIS	FLOW INDICATING SWITCH	I	INSTRU	FSI #							B					02-325	
FIT	FLOW INDICATING TRANSMITTER	I	INSTRU	FTI #							B					02-250	
FL	FILTER	M	FILTER	#		SCFM		PSID		HICR	C					02-040	
FLT	FILTER	M	FILTER	#		GPH		PSID		HICR	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	FQO #							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 CTRL 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 CONTRCL VLV-SPV.	E	VALVEX	XEX		IN		PSIG		DEGF	B					02-	
FT	FLOW TRANSMITTER	I	INSTRU	FT#							B					02-230	
FTD	TRANSDUCER, FREQUENCY	I	INSTRU	SY#							B					02-	
FU	FILTER UNIT	M	FILTER	#				PSID		HICR	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	OT
GEN	GENERATOR	E	GENERA	D A		RPM		VAC		KW	B					02-285	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 MASTER EQUIPMENT LIST
 COMPONENT TABLE

COMP CODE	COMPONENT IDENTIFICATION	C	NPRD COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	L	IE	C/GR	P/S	P/H	SPARE PART NO	SAF CLS
EVT	GRAVITY VENTILATOR	H	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	H	HEATER	####	#	#	#	#	#	#	C	#	#	#	#	02-290	
HCU	HYDRAULIC CONTROL UNIT	H	CORVE	X####	#	#	#	#	#	#	B	#	#	#	#	02-065	
HF	HIGH EFFICIENCY FILTER	H	FILTER	A##	#	SCFM	#	PSID	#	MICR	B	#	#	#	#	02-040	
HGR	HANGER, SHUDDER, STRUT & SUPPT	H	SUPORT	#	#	KIPS	#	#	#	#	#	#	#	#	#	02-	
HO	HYDRAULIC OPERATOR	H	VALVOP	C##	#	LB	#	FTLB	#	RPM	B	#	#	#	#	02-304	
HOI	HOIST	H	HECFUN	C#	#	FTLB	#	RPM	#	RPM	B	#	#	#	#	02-106	
HP	HYDRAULIC POWER UNIT	H	HECFUN	CXO##	#	FTLB	#	RPM	#	RPM	B	#	#	#	#	02-065	
HR	HYDROGEN RECOMBINER	H	RECOMB	####	#	BTUH	#	SCFM	#	DEGF	B	#	#	#	#	02-054	
HS	HOSE STATION	H	PIPEXX	XA#	#	IN	#	PSIG	#	#	D	#	#	#	#	02-045	OT
HT	HYDRANT	H	VALVEX	FAD	#	IN	#	#	#	#	D	#	#	#	#	02-045	OT
HTP	HOT WATER HEAT EXCHANGER	H	HTEXCH	####	#	#	#	#	#	#	C	#	#	#	#	02-055	OT
HU	HUMIDIFIER	H	HTEXCH	E	#	KSFT	#	PSIG	#	M8H	C	#	#	#	#	02-024	OT
HV	HEATING AND VENTILATION UNIT	H	HTEXCH	GH	#	KSFT	#	#	#	M8H	D	#	#	#	#	02-024	
HX	HEAT EXCHANGER	H	HTEXCH	BY	#	KSFT	#	PSIG	#	M8H	C	#	#	#	#	02-055	
HZM	FREQUENCY METER	E	INSTRU	SI#CC	#	HZ	#	HZ	#	HZ	#	#	#	#	#	02-	
HZR	HYDROGEN RECORDER	I	INSTRU	ARN	#	#	#	#	#	#	B	#	#	#	#	02-235	
I/P	CURRENT/PNEUMATIC CONVERTER	I	INSTRU	IYDC#	#	#	#	#	#	#	B	#	#	#	#	02-165	
IL	INDICATOR LIGHT, *CL.1E ONLY*	I	INSTRU	ZINCK	#	MV	#	MV	#	#	#	#	#	#	#	02-	
IN	INVERTER	E	GENERA	FDANFD	#	#	#	VAC	#	KVA	B	#	#	#	#	02-185	
IR	INSTRUMENT RACK	E	HECFUN	XAX#	#	#	#	#	#	#	#	#	#	#	#	02-	
ITO	TRANSDUCER CURRENT	I	INSTRU	IYN	#	#	#	#	#	#	B	#	#	#	#	02-	
JI	WATTMETER (SEE W FOR B&R USE)	E	INSTRU	IINCB#	#	#	#	WATT	#	WATT	#	#	#	#	#	02-295	
JP	JET PUMP	H	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	H	VALVEX	F X	#	IN	#	PSIG	#	DEGF	C	#	#	#	#	02-133	
LE	LEVEL ELEMENT	I	INSTRU	LEN	#	#	#	#	#	#	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	ZSN	#	#	#	#	#	#	B	#	#	#	#	02-325	
LMS	LOCAL MANUAL SWITCH	E	INSTRU	ZSN	#	#	#	#	#	#	B	#	#	#	#	02-325	
LHTR	VOLTAGE/CURRENT SIGNAL LIMIT	I	INSTRU	VC FE	#	#	#	#	#	#	B	#	#	#	#	02-155	
LOC	LUBE OIL CONDITIONER	H	FILTER	C##	#	GPM	#	PSID	#	MICR	B	#	#	#	#	02-075	OT
LP	LIGHTING PANEL	E	CKTBKR	K DAB	#	2DE 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	#	#	#	#	02-250	
LTO	TRANSDUCER LEVEL	I	INSTRU	LTE	#	#	#	#	#	#	B	#	#	#	#	02-	
LWS	LOW VOLUME SELECTOR	I	INSTRU	UY#	#	#	#	#	#	#	B	#	#	#	#	02-325	
LX	LEVEL TEST POINT	I	INSTRU	LE#BX#	#	#	#	#	#	#	#	#	#	#	#	02-080	
M	MOTOR	E	MOTORX	##	#	#	#	RPM	#	#	C	#	#	#	#	02-300	
M/A	MANUAL OR AUTO STATION	I	INSTRU	UC#	#	#	#	#	#	#	B	#	#	#	#	02-155	

COMP CODE	COMPONENT IDENTIFICATION	C	MPRD	R	COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	L	IE	C/P	P/S	SPARE PART NO	SAF
MC	MOISTURE CONTROLLER					X								B	#		02-155	
MC	MOTOR CONTROL CENTER					X								B	#		02-305	
ME	MOISTURE ELEMENT	I	INSTRU			HE###	N							B	#		02-170	
MI	MOISTURE INDICATOR	I	INSTRU			HI#	N							B	#		02-175	
MIC	MOISTURE INDIC CONTROLLER	I	INSTRU			HCI	N							B	#		02-155	
MIS	MOISTURE INDICATING SWITCH	I	INSTRU			HSI	N							B	#		02-325	
MO	MOTOR OPERATOR	E	VALVOP					LB		FTLB				C	#		02-302	
MR	MOISTURE RECORDER	I	INSTRU			HR#	N							B	#		02-205	
MS	MOISTURE SEPARATOR	M	HTEKCH					KSFT		PSIG		MBH		C	#		02-055	
MT	MOISTURE TRANSMITTER	I	INSTRU			HT#	N							B	#		02-230	
MV/P	H/VOLT TO CURRENT CONVERTER	I	INSTRU			YVDD#								B	#		02-165	
MV/P	MILLIVOLT TO PNEUMATIC CONVE	I	INSTRU			EV#	N							B	#		02-165	
HX	PIXER	M	HECFUN					FTLB		RPH		RPM		C	#		02-121	OT
MZ	MULTIZONE AIR CONDITIONER	M	HTEKCH			GH	N	KSFT				MBH		C	#		02-015	
N	NOZZLE	M	PIPEXX			E	N	IN		PSIG				C	#		02-080	OT
NR	NEUTRAL GROUNDING RESISTOR	E	ELECON					VAC						B	#		02-345	
O5C	O5CILLOGRAPH	E	INSTRU			ER#								B	#		02-315	
O2R	OXYGEN RECORDER	I	INSTRU			AR#	N							B	#		02-205	
P	PUMP	M	PUMPXX					FTHO		GPH		RPH		C	#		02-090	
PBU	SEISMIC PLAYBACK UNIT	I	INSTRU											B	#		02-205	
FC	PRESSURE CONTROLLER	I	INSTRU			PC#	N							B	#		02-155	
PCV	PRESSURE CONTROL VALVE	M	VALVEX			H		IN		PSIG		DEGF		C	#		02-133	
PH	PH ANALYZER	I	INSTRU			AC#	N							B	#		02-150	
FHE	PH ELEMENT	I	INSTRU			PE#	N							B	#		02-170	
PHIC	PH INDICATING CONTROLLER	I	INSTRU			ACI	N							B	#		02-155	
PHIT	PH INDICATING TRANSMITTER	I	INSTRU			ATI	N							B	#		02-230	
PHRC	PH RECORDING CONTROLLER	I	INSTRU			ACR	N							B	#		02-205	
PHY	PH TRANSMITTER	I	INSTRU			AT#	N							B	#		02-230	
PI	PRESSURE INDICATOR	I	INSTRU			PI#	N							B	#		02-175	
PIC	PRESS INDICATING CONTROLLER	I	INSTRU			PCI	N							B	#		02-155	
PIS	PRESSURE INDICATING SWITCH	I	INSTRU			PSI	N							B	#		02-325	
POE	POSITION INDICATION ELEMENT	I	INSTRU			E								B	#		02-175	
POI	POSITION INDICATOR	I	INSTRU			ZI#	N							B	#		02-175	
POS	POSITION SWITCH	I	INSTRU			ZS#	N							B	#		02-325	
POT	POSITION TRANSMITTER	I	INSTRU			ZTN	N							B	#		02-230	
POTR	POTENTIOMETER, CL. IE ONLY	E	ELECCN			XXXXXX								B	#		02-	
PP	PUMP PACKAGE													B	#		02-090	
PP	POWER PANEL													B	#		02-305	
PR	PRESSURE RECORDER	I	INSTRU			PR#	N							B	#		02-205	
PROG	PROGRAMMER	I	INSTRU			UYC	N							B	#		02-	
PRV	PRESSURE REDUCING VALVE	M	VALVEX			FH		IN		PSIG		DEGF		C	#		02-133	
PS	PRESSURE SWITCH	I	INSTRU			PS#	N							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#	N							B	#		02-175	
PUIT	PURITY INDIC TRANSMITTER	I	INSTRU			XTI	N							B	#		02-230	
PUS	PURITY SWITCH	I	INSTRU			XSN	N							B	#		02-325	
PV	PILOT VALVE	M	VALVEX			X		IN		PSIG		DEGF		C	#		02-130	
PWC	DEW POINT TRANSMITTER	I	INSTRU			HT#	N							B	#		02-230	
PWS	PIPE WHIP RESTRAINT	N	SUPPORT			I	N	KIPS						D	#		02-080	
PX	PRESSURE TEST POINT	I	INSTRU			PX###	N							C	#		02-080	OT

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 MASTER EQUIPMENT LIST
 COMPONENT TABLE

COMP CODE	COMPONENT IDENTIFICATION	C	HPRD	R	COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	K	LEE	C/GR	P/S	P/M	SPARE PART NO	SAF CLS
QDC	QUICK DISCONNECT COUPLING	H	PIPEXX	X	#	#	#	IN	#	PSIG	#	#	#	D	#	#	#	02-	OT
QHM	RUN TIME METER	E	INSTRU	XINCC	#	#	#	#	#	HR	#	#	#	#	#	#	#	02-	
QSV	QUICK ACTING SOLENOID PILOT	E	VALVEX	XEX	#	#	#	IN	#	PSIG	#	#	#	DEGF	B	#	#	02-134	
R/I	RESISTANCE/CURRENT CONVER	I	INSTRU	YYN	#	#	#	#	#	#	#	#	#	B	#	#	#	02-165	
RAM	RADIATION AMPLIFIER	I	INSTRU	APN	#	#	#	#	#	#	#	#	#	B	#	#	#	02-016	
RC	REMOTE CAPPER	E	VALVEX	XEX	#	#	#	IN	#	PSIG	#	#	#	DEGF	B	#	#	02-395	
RC	RADIATION CONTROLLER	E	RELAYX	W	#	#	#	#	#	#	#	#	#	B	#	#	#	02-155	
RC	RECOMBINER	E	ELECON	XXXXX	#	#	#	#	#	#	#	#	#	B	#	#	#	02-054	
RD	RUPTURE DISC	H	PIPEXX	#	#	#	#	IN	#	PSIG	#	#	#	C	#	#	#	02-085	
RE	RADIATION ELEMENT	I	INSTRU	REN	#	#	#	#	#	#	#	#	#	B	#	#	#	02-170	
REL	FLOW BALANCING RELAY	I	INSTRU	UYN	#	#	#	#	#	#	#	#	#	B	#	#	#	02-399	
RES	RESISTOR *CL. 1E ONLY*	E	ELECON	XXXXX	#	#	#	#	#	#	#	#	#	B	#	#	#	02-170	
RF	REFRIGERATION MACHINE	H	HTECH	C	#	#	#	KSFT	#	PSIG	#	#	#	MBH	C	#	#	02-015	
RI	RADIATION INDICATOR	I	INSTRU	RIN	#	#	#	#	#	#	#	#	#	B	#	#	#	02-175	
RIS	RADIATION INDICATING SWITCH	I	INSTRU	R	#	#	#	#	#	#	#	#	#	B	#	#	#	02-325	
RLY	RELAY	E	RELAYX	W	#	#	#	#	#	#	#	#	#	B	#	#	#	02-355	
RMC	REMOTE MANUAL CONTROLLER	I	INSTRU	WCSEX	#	#	#	#	#	#	#	#	#	B	#	#	#	02-155	
RHS	REMOTE MANUAL CONTROL SWITCH	E	CKTBRK	ECDAAA	#	#	#	#	#	DEGF	#	#	#	AMP	B	#	#	02-325	OT
RO	RESTRICTING ORIFICE	H	PIPEXX	D	#	#	#	IN	#	PSIG	#	#	#	C	#	#	#	02-080	
ROD	ROD	H	CONROD	EFBBN	#	#	#	#	#	#	#	#	#	B	#	#	#	02-026	
RPV	REACTOR PRESSURE VESSEL	H	VESSEL	A	####	#	#	#	#	PSIG	#	#	#	DEGF	B	#	#	02-026	
RR	RADIATION RECORDER	I	INSTRU	RRN	#	#	#	#	#	#	#	#	#	B	#	#	#	02-209	
RS	RADIATION SWITCH	I	INSTRU	RSN	#	#	#	#	#	#	#	#	#	B	#	#	#	02-329	
RSA	RESPONSE SPECTRUM ANNUNCIATOR	I	INSTRU	UX AM	#	#	#	#	#	#	#	#	#	B	#	#	#	02-251	
RSH	RADIATION SAMPLER	I	INSTRU	RENXXN	#	#	#	#	#	#	#	#	#	B	#	#	#	02-	OT
RSR	TRIAXIAL RESPNSE SPECTRUM R	I	INSTRU	VR AM	#	#	#	#	#	#	#	#	#	B	#	#	#	02-205	
RSRT	RSR TRANSDUCER FOR RSA	I	INSTRU		#	#	#	#	#	#	#	#	#	B	#	#	#	02-205	
RST	RESIN TRAP	H	FILTER		#	#	#	GPH	#	PSID	#	#	#	MICR	C	#	#	02-100	
RT	RADIATION TRANSMITTER	I	INSTRU	RTN	#	#	#	#	#	#	#	#	#	B	#	#	#	02-230	
RV	RELIEF VALVE	H	VALVEX	F B	#	#	#	IN	#	PSIG	#	#	#	DEGF	C	#	#	02-085	
RVT	ROOF VENTILATOR	H	BLOWER	D	#	#	#	SCFM	#	PSIG	#	#	#	HP	D	#	#	02-024	OT
S	ELECTRONIC TRIP UNIT	E		X	#	#	#	#	#	#	#	#	#	#	#	#	#	02-187	
S	SILENCER	E		X	#	#	#	#	#	#	#	#	#	#	#	#	#	02-080	
SC	SPEED CONTROLLER	I	INSTRU	SCN	#	#	#	#	#	#	#	#	#	B	#	#	#	02-155	
SCR	SCREEN	H	FILTER	A	#	#	#	#	#	PSID	#	#	#	MICR	D	#	#	02-100	OT
SE	SPEED ELEMENT	I	INSTRU	SEX	#	#	#	#	#	#	#	#	#	B	#	#	#	02-170	
SEW	SAFETY EYE WASH	H	#	#####	#	#	#	#	#	#	#	#	#	#	#	#	#	02-	OT
SH	6.9 KV SWITCH GEAR	E	CKTBRK	FACAFE	6900	VAC	#	#	#	2000	AMP	B	#	#	#	#	#	02-330	
SI	SPEED INDICATOR	E	INSTRU	XT	#	#	#	#	#	#	#	#	#	B	#	#	#	02-175	
SIOA	SILICON AND OXYGEN ANALYZER	I	INSTRU	AEN	#	#	#	#	#	#	#	#	#	B	#	#	#	02-150	
SL	480VOLT SWITCH GEAR	E	CKTBRK	FACACO	480	VAC	#	#	#	#	#	#	#	AMP	B	#	#	02-330	
SN	4.16KV SWITCH GEAR	E	CKTBRK	FACAAE	4160	VAC	#	#	#	#	#	#	#	AMP	B	#	#	02-330	
SHA	TRIAXIAL ACCELERATION SENSOR	I	INSTRU	VEI AM	#	#	#	#	#	#	#	#	#	B	#	#	#	02-170	
SMD	SHOKE DETECTOR	I	INSTRU	XSE	#	#	#	#	#	#	#	#	#	B	#	#	#	02-045	
SMX	STATIC MIXER	H	PIPEXX	X	#	#	#	IN	#	PSIG	#	#	#	C	#	#	#	02-080	OT
SNB	SNLBER	H	SUPPORT	D	#	#	#	KIPS	#	#	#	#	#	C	#	#	#	02-080	
SP	SAMPLE POINT	H	PIPEXX	X	#	#	#	IN	#	PSIG	#	#	#	C	#	#	#	02-210	OT
SPV	SOLENOID PILOT VALVE	E	VALVEX	XEX	#	#	#	IN	#	PSIG	#	#	#	DEGF	B	#	#	02-134	
SQR	STARE ROOT EXTRACTOR	I	INSTRU	UYR	#	#	#	#	#	#	#	#	#	B	#	#	#	02-165	
SR	SAMPLE RACK	E	#	#####	#	#	#	#	#	#	#	#	#	B	#	#	#	02-	
SS	SELECTOR SWITCH	H	CKTBRK	FADN	#	#	#	#	#	DEGF	#	#	#	AMP	B	#	#	02-325	
SS	SPEED SWITCH	H	CKTBRK	FABN	#	#	#	#	#	DEGF	#	#	#	AMP	B	#	#	02-	
ST	STRAINER	I	INSTRU	VEI AM	#	#	#	#	#	#	#	#	#	B	#	#	#	02-100	

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COMP CODE	COMPONENT IDENTIFICATION	C	M	N	P	R	C	IE	C/	P	P	SPARE	SAF				
		R	COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	L	EE	GR	S	M	PART NO	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	UQH #							B					02-215	
SUMP	SUMP	M	ACCUMU	BX ##				PSIG		DEGF	D #					02-120	OT
SV	SOLENOID OPERATED VALVE	E	VALVEX	XE		IN		PSIG		DEGF	B					02-	
T	TRAP	H	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	HR#GX #		222 #		222 #		222						02-035	
TBE	TURBIDITY ELEMENT	I	INSTRU	XEH #							B #					02-170	
TBI	TURBIDITY INDICATING TRANS	I	INSTRU	KTI #							B #					02-	
TBR	TURBIDITY RECORDER	I	INSTRU	KRI #							B #					02-205	
TBS	TURBIDITY SWITCH	I	INSTRU	XSN #							B #					02-325	
TBT	TURBIDITY TRANSMITTER	I	INSTRU	XT# #							B					02-230	
TC	TEMPERATURE CONTROLLER	I	INSTRU	CH #							B					02-155	
TCV	TEMPERATURE CONTROL VALVE	M	VALVEX			IN		PSIG		DEGF	C #					02-133	
TD	TIME DELAY RELAY															02-399	
TD	TRANSFER DOLLY															02-399	
TDS	TIME DELAY SWITCH	I	INSTRU	XSK #							B #					02-325	
TE	TEMPERATURE ELEMENT	I	INSTRU	TE# #							B					02-170	
TI	TEMPERATURE INDICATOR	I	INSTRU	TI# #							B #					02-175	
TIC	TEMP INDICATING CONTROLLER	I	INSTRU	TCI #							B #					02-155	
TIS	TEMP INDICATING SWITCH	I	INSTRU	SI #							B #					02-325	
TK	TANK	M	ACCUMU					PSIG		DEGF	C #					02-120	
TH	TIMER	I	INSTRU	XSC #							B					02-225	
TQ	TIME TOTALIZER	I	INSTRU	XQH #							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	AAXXX												02-	
TRL	TRANSLATOR	I	INSTRU	EYEE #		222	00001	VDC	00001	VDC						02-039	
TRS	TEMPERATURE RECORDING SWITCH	I	INSTRU	YSR #							B					02-205	
TS	TEMPERATURE SWITCH	I	INSTRU	SN #							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	UYCK #												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	TRANSOLCER, VAR	E	INSTRU	Y#							B					02-	
VB	VACUUM BREAKER	M	VALVEX			IN		PSIG			C					02-085	
VBAM	VIBRATION AMPLIFIER	I	INSTRU	VP# #							B #					02-	
VBE	VIBRATION ELEMENT	I	INSTRU	VE# #							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	VSN #							B #					02-325	
VD	VIEWING DEVICE	M	PIPEXX	A		IN		PSIG			C #					02-395	OT

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 MASTER EQUIPMENT LIST
 COMPONENT TABLE

COMP CODE	COMPONENT IDENTIFICATION	C	NPRO	R	COMP	ABCDEF	G	UNIT	H	UNIT	J	UNIT	L	TE	C/	P	P	SPARE	ISAF
														EE	GR	S	M	PART NO	CLS
VX	INSTRUMENT ISOLATION VALVE	M	VALVEX	FAD	B			IN-		PSIG		DEGF	C	#					02-
VZ	VAPORIZER	M	HTEXCH	E	#			KSFT		PSIG		HEH	C	#					02-055
4	USE JI FOR MEL(B&R USE ONLY)																		02-
WOR	WIND DIRECTION RECORDER	I	INSTRU	ZR6A	#	00005		VDC	#	ZZZ	00005	VDC							02-035
WDT	WIND DIRECTION TRANSMITTER	I	INSTRU	ZETE	#	00540		DEG	00001	VDC	00001	VDC							02-035
WHM	WATT-HOUR METER	E	INSTRU	IQIC	#														02-295
WSR	WIND SPEED RECORDER	I	INSTRU	SR6A	#	00005		VDC	#	ZZZ	00005	VDC							02-055
WST	WIND SPEED TRANSMITTER	I	INSTRU	SETA	#	00090		MPH	00001	VCC	00001	VDC							02-035
WTD	WATT TRANSDUCER	E	INSTRU	YM															02-
WUH	WATER UNIT HEATER	M	HTEXCH	A	#			KSFT		PSIG		MBH	C	#					02-055
X	PRIMARY CONTAINMENT PENETRAT	M	PENETR		#														02-115
XE	ELEMENT, SPECIAL TYPES	I	INSTRU	E															02-170
XR	RECORDER, SPECIAL TYPES	I	INSTRU																02-
XT	TRANSMITTER, SPECIAL TYPES	I	INSTRU																02-230
33C	VLV TRVL POS SW CLOSED	E	INSTRU	ZSH	#														02-
33IC	VLV TRVL POS SW INTER CLOSED	E	INSTRU	ZSH	#														02-
33IO	VLV TRVL POS SW INTER OPEN	E	INSTRU	ZSH	#														02-
33O	VLV TRVL POS SW OPEN	E	INSTRU	ZSH	#														02-
33TC	VLV TRVL POS SW TORQ CLOSED	E	INSTRU	QSH	#														02-
33TO	VLV TRVL POS SW TORQ OPEN	E	INSTRU	QSH	#														02-
42	ELECTRICAL MOTOR START COIL	E	CKTBRK	D						DEGF		AMP	B						02-

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 1

CON LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	DEL. NO.	QID	TEST	ANL	F/C	C	TM	HL
			PLANT LOCATION	ROOM	AGE	DBE	C	HOURS	USE		
71 3 D	E-CP-CAC/HR1A+ POWER SUPPLY	CAC-E/S-1A24	R 572 N.6/6.5	B040 9166Y987				4320	1 0		
71 3 D	E-CP-CAC/HR1A+	CAC-E/S-1A43	R 572 N.6/6.5	B040 298				4320	1 0		
71 3 D		CAC-E/S-1B24	R 572 N.5/7.0	B040 9166Y987				4320	1 0		
71 3 D		CAC-E/S-1B43	R 572 N.7/7.2	B040				4320	1 0		
71 2 D	CAC-HR-1A+ 37 KW PREHEATER	CAC-EHC-1A	R 580 N.7/6.6	C332 SA213-T347 S.S. R604 M554 F14	109007	2 1	0 0	4320	09	Y	
71 2 D	CAC-HR-1B+ 37 KW PREHEATER	CAC-EHC-1B	R 580 N.7/7.4	C332 SA213-T347 S.S. R604 M554 E2	109007	2 1	0 0	4320	09	Y	
71 2 D		CAC-EHO-1A	R 573 N.5/6.6	I206 NH95H2670F3L2 R604 M554 F15	110002	2 1	0 0	4320	33	P N	
42A 2 D		CAC-EHO-1A/FCV	R 575 L.9/5.0	I206 NH91 R611 M554 J10	110004	2 1	0 0	4320	09	P Y	
71 2 D		CAC-EHO-1B	R 573 N.5/7.4	I206 NH95H2670F3L2 M554 F2	110002	2 1	0 0	4320	33	P N	
42A 2 D		CAC-EHO-1B/FCV	R 570 J.8/6.5	I206 NH91J4002F2L18 R509 M554 H6	110004	2 1	0 0	4320	09	P Y	
71 2 D		CAC-EHO-2A	R 573 N.5/6.6	I206 NH91H2070F3L2 M554 F12	110004	2 1	0 0	4320	33	P N	
42A 2 D		CAC-EHO-2A/FCV	R 558 N.2/7.1	I206 NH91J4002F2218 R504 M554 G11	110004	2 1	0 0	4320	09	P Y	

Morrow Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
VWP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 2

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG MODEL NO. PLANT LOCATION DRAWING	ROOM	AS	QID AGING	TEST DRE	ANC C	F/O HOURS	C	FREQ ACCURACY	TH	HL
71 2	D	CAC-EHO-2B	I206	NH91H2070F362 R 573 M.5/7.4 M554 FA		AM	110004	2 1	0 0	4320		33	P	N
42A 2	D	CAC-EHO-2B/FCV	I206	NH91J4002F211B R 563 6.5/M.5 M554 G6		AM	110004	2 1	0 0	4320		09	P	Y
71 2	D	CAC-EHO-3A	I206	NH91H2070F362 R 573 M.5/6.6 M554 012		AM	110004	2 1	0 0	4320		33	P	N
42A 2	D	CAC-EHO-3A/FCV	I206	NH91 R 493 M.8/4.4 M554 011		AM	110004	2 1	0 0	4320		09	P	Y
71 2	D	CAC-EHO-3B	I206	NH91H2070F362 R 573 M.5/7.4 M554 04		AM	110004	2 1	0 0	4320		33	P	N
42A 2	D	CAC-EHO-3B/FCV	I206	NH91J4002F211B R 494 J.0/7.4 M554 C6		AM	110004	2 1	0 0	4320		09	P	Y
71 2	D	CAC-EHO-4A	I206	NH92H9970F3L29 R 573 M.5/6.6 M554 012		AM	110001	2 1	0 0	4320		33	P	N
42A 2	D	CAC-EHO-4A/FCV	I206	NH91J4002F2L18 R 495 8.2/M.6 M554 E11		AM	110004	2 1	0 0	4320		09	P	Y
71 2	D	CAC-EHO-4B	I206	NH92 R 573 M.5/7.4 M554 04		AM	110001	2 1	0 0	4320		33	P	N
42A 2	D	CAC-EHO-4B/FCV	I206	NH91J4002F2L18 R 493 N.4/6.0 M554 E6		AM	110004	2 1	0 0	4320		09	P	Y
71 2	D	CAC-EHO-5A/FCV	I206	NH91H4070F3L16 R 572 M.6/6.5 M554 F14		AM	110004	2 1	0 0	4320		09	P	Y
71 2	D	CAC-EHO-5B/FCV	I206	NH91H4070F3216 R 573 M.5/7.5 M554 F2		AM	110004	2 1	0 0	4320		09	P	Y

Moore Equipment Farms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS E EQUIPMENT LIST

DATE 01/12/82 PAGE 3

COMP. NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG. NO.	MODEL NO.	QID	TEST	ANL	P/O	C	ACCURACY	TM	HL
1	SAFETY FUNCTION	PLANT LOCATION	ROOM	AS	AGING	DEF	C	HOURS				
CC	EQUIPMENT DESCRIPTION	DRAWING							USE			
71 2	D	CAC-EHG-6A/FCV	1206	NH92								
		R 572 M.6/6.5						4320		09	P	Y
		M554	612						1 0			
71 2	D	CAC-EHO-6B/FCV	1206	NH91H4070F3216								
		R 573 M.5/7.5						4320		09	P	Y
		M554	64						1 0			
71 3	D	E-CP-CAC/HR1A+ FIC FOR CAC-FCV-6A	B045 R 572 M.5/6.6	50-701003AAAA1								
								4320		09	F	Y
		M554	F12						1 0			
71 3	D	E-CP-CAC/HR1B+ FIC FOR CAC-FCV-6B	B015 R 577 M.5/8.0	50-701003AAAA1								
								4320		09	F	Y
		M554	F4						1 0			
71 3	D	E-CP-CAC/HR1A+ FLOW SWITCH FOR CAC-FCV-6A	M422 R 576 M.2/5.7	DCA/4-20MA/D-X2-X3								
								4320		09	F	Y
		M554	F12						1 0			
71 3	D	E-CP-CAC/HR1B+ FLOW SWITCH FOR CAC-FCV-6B	M422 R 576 M.5/8.0	DCA/4-20MA/DX2								
								4320		09	F	Y
		M554	F4						1 0			
220 3	D	E-IR-67+ FT TO CAC-FIC-1A	R369 R 555 5.8/M.8	1DPS022T0003PB								
								4320		33+		N
		M554	J11						1 0			
220 3	D	E-IR-68+ FT TO CAC-FIC-1B	R369 R 551 8.2/M.7	1DPS022T0003PB								
								4320		33+		N
		M554	J5						1 0			
220 3	D	E-IR-67+ FT TO CAC-FIC-2A	R369 R 555 5.8/M.8	1DPS022T0003PB								
								4320		33+		N
		M554	611						1 0			
220 3	D	E-IR-68+ FT TO CAC-FIC-2B	R369 R 551 8.2/M.7	1DPS022T0003PB								
								4320		33+		N
		M554	65						1 0			
220 3	D	E-IR-66+ FT TO CAC-FIC-3A	G080 R 501 M.8/5.5	542203								
								4320		33+		N
		M554	011						1 0			
220 3	D	E-IR-63+ FT TO CAC-FIC-3B	R369 R 501 L4/9.3	115-1DPS022T0003PB								
								4320		33+		N
		M554	05						1 0			

Moore Business Forms, Inc. 87

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WHP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 4

CONTRACT LV	COMPOSITE NO. FC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID QS	TEST AGEING	ANL C	F/O HOURS	C. USE	FREQ ACCURACY	TM	HL
220 3	D	E-IR-66+ CAC-FT-4A FT TO CAC-FIC-4A	R 501 N8/5.5	R369 115-16P5D22T0003PB M554 F11	RA	156002	1 4	0 0	4320	33+		N
220 3	D	E-IR-64+ CAC-FT-4B FT TO CAC-FIC-4B	R 501 N.6/5.1	R369 1151-DPS022T0003PB M554 F5	RA	156005	1 4	0 0	4320	33+		N
71 3	G	CAC-HR-1A+ 0-50 IN H2O 0-50 IN H2O	R 578 M.5/6.6	B080 386 M554 F14	R604 YA	156004	2 1	0 0	4320	09	F	N
71 3	G	CAC-HR-1B+ 0-50 IN H2O 0-50 IN H2O	R 578 M.5/7.4	B080 386 M554 F2	R604 YA	156004	2 1	0 0	4320	09	F	N
71 3	D	CAC-HR-1A+ FT TO CAC-FC-67A	R 575 M.5/6.6	I204 386 M554 F12	R604 AA	156004	2 1	0 0	4320	09	F	Y
71 3	D	CAC-HR-1B+ FT TO CAC-FC-67B	R 575 M.5/7.4	I204 386 M554 F4	R604 AA	156004	2 1	0 0	4320	09	F	Y
71 3	D	CAC-HR-1A+ FT TO CAC-FIC-67A	R 576 M.5/6.6	I204 386 M554 F12	R604 AA	156004	2 1	0 0	4320	09	F	Y
71 3	D	CAC-HR-1B+ FT TO CAC-FIC-67B	R 576 M.5/7.4	I204 386 M554 F4	R604 AA	156004	2 1	0 0	4320	09	F	Y
71 3	D	E-CP-CAC/HR1A+ LEVEL IND. SWITCH IN CAC-MS-1A	R 578 M.2/5.7	M422 DCA/4-20MA/0-X1-X4 M554 D14	R604 AN	207009	2 1	0 0	4320	09	F	Y
71 3	D	E-CP-CAC/HR1B+ LEVEL IND. SWITCH IN CAC-MS-1B	R 578 M.5/8.0	M422 DCA/4-20MA/X1 M554 D3	R604 AN	207009	2 1	0 0	4320	09	F	Y
71 3	D	CAC-HR-1A+ 0-50 IN H2O 0-50 IN H2O	R 574 M.5/6.6	I204 386 M554 D13	R604 AA	209002	2 1	0 0	4320	09	F	Y
71 3	D	CAC-HR-1B+ 0-50 IN H2O 0-50 IN H2O	R 574 M.5/7.4	I204 386 M554 D3	R604 AA	209002	2 1	0 0	4320	09	F	Y

WPPSS Business Forms, Inc.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 5

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QIO OS	TEST DRE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
EC			DRAWING		AGING				USE			
71 2	CAC-MR-1A+ 25HP/1A MOTOR FOR CAC-FN-1A	CAC-M-1A	M120 R 572 M5/6.6	75042473 M554 E13	R604 AA	213048	2 1	0 0	4320	09		Y
71 2	CAC-MR-1B+ 25HP/1A MOTOR FOR CAC-FN-1B	CAC-M-1B	M120 R 572 M5/7.4	75042473 M554 E3	R604 AA	213048	2 1	0 0	4320	09		Y
41A 2		CAC-MO-11	L200 R 561 M.5/7.5	SMR-000-5/D56A M554 F7	R511 AA	221011	1 4	0 0	4320	35		N
41A 2		CAC-MO-13	L200 R 487 M.0/6.0	SMR-000-5/D56A M554 E6	R206 AA	221011	1 4	0 0	4320	35		N
41A 2		CAC-MO-15	L200 R 570 J.8/6.8	SMR-000-5/D56A M554 H7	R509 AA	221011	1 4	0 0	4320	35		Y
41A 2		CAC-MO-17	L200 R 494 J.0/7.4	SMR-000-5/D56A M554 C7	R211 AA	221011	1 4	0 0	4320	35		N
41A 2		CAC-MO-2	L200 R 558 M.2/7.1	SMR-000-5/D56A M554 F10	R604 AA	221011	1 4	0 0	4320	35		N
41A 2		CAC-MO-4	L200 R 495 M.2/7.8	SMR-000-5/D56A M554 F10	R206 AA	221011	1 4	0 0	4320	35		N
41A 2		CAC-MO-6	L200 R 575 L.2/5.0	SMR-000-5/D56A M554 H9	R611 AA	221011	1 4	0 0	4320	35		N
41A 2		CAC-MO-8	L200 R 480 M.9/4.3	SMR-000-5/D56A M554 C10	R206 AA	221011	1 4	0 0	4320	35		N
71 3	CAC-PT-68A+ PS TO MOIST SEP 1A	CAC-PS-68A	M422 R 576 M.2/5.7	DCA/4-20MA/D0-X2-X3 M554 E13	R604 AN	256012	2 1	0 0	4320	09	F	Y
71 3	CAC-PT-68B+ PS TO MOIST SEP 1B FROM COULER	CAC-PS-68B	M422 R 577 M.5/8.0	DCA/4-20MA/DX2/X3 M554 E3	R604 AN	256012	2 1	0 0	4320	09	F	Y

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WNP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 6

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TM	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	GS	AGING	PRE	HOURS	USE	ACCURACY		
71 3 G	CAC-HR-1A+	CAC-PT-1A	I204	386				259006				F
	0-30 PSIG FOR CAC-FN-1A	R 572 M.5/6.6	M554	F14	AA			4320		2 0		
71 3 G	CAC-HR-1B+	CAC-PT-1B	I204	386				259006				F
	0-30 PSIG FOR CAC-FN-1B	R 575 M.5/7.4	M554	F1	AA			4320		2 0		
71 3 D	CAC-HR-1A+	CAC-PT-68A	I204	386				259006				F
	PRESS TRANS ON CAC-MS-1A	R 572 M.5/6.6	M554	D12	A			4320		1 0		
71 3 D	CAC-HR-1B+	CAC-PT-68B	I204	386				259006				F
	PRESS TRANS ON CAC-MS-1B	R 572 M.5/7.4	M554	D03	A			4320		1 0		
71 3 D	CAC-HR-1A	CAC-R/I-4A	B015	50-740320CAA1				271001				F
	CURRENT RESET ON CAC-HR-1A	R 577 M.2/5.7			T			4320		1 0		
71 3 D	E-CP-CAC/HR1B+	CAC-R/I-4B	B015	50-740320CAA1				271001				F
	H2 RECOMBINER OUTLET TEMP	R 572 M.5/8.0	M554	E4	R604	BT		4320		1 0		
71 3 D	E-CP-CAC/HR1A+	CAC-RLY-CR5A	A109									F
	RELAY	R 572 M.6/6.5			M			4320		1 0		
71 3 D	E-CP-CAC/HR1A+	CAC-RLY-CR6A	A109									F
	RELAY	R 572 M.6/6.5			M			4320		1 0		
71 3	E-CP-CAC/HR1B+	CAC-RLY-CR6B	A109									F
	RELAY	R 572 M.4/8.0			M			4320		1 0		
218 3 D	CAC-PP-TB/R364+	CAC-RLY-1A	A500	RA225-052-CP				283011				F
	CONTROL RELAY FOR CAC-FCV-1A	R 475 N.1/9.3	E519/15D11	R206	RM			4320		1 0		
218 3 D	CAC-PP-TB/R363+	CAC-RLY-1B	A500	RA225-052-CP				283011				F
	CONTROL RELAY FOR CAC-FCV-1B	R 475 N.0/8.3	E519/15H2	R206	RM			4320		1 0		
218 3 D	CAC-PP-TB/R364+	CAC-RLY-2A	A500	RA225-052-CP				283011				F
	CONTROL RELAY FOR CAC-FCV-2A	R 475 N.1/9.3	E519/15H4	R206	RM			4320		1 0		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT-LOCATION	MFG. MODEL NO. ROOM	QID US	TEST ORF	ANL C	F70 HOURS	FREQ ACCURACY	TM HL
218 3 D	CAC-PP-TB/R363+	CAC-RLY-2B	A500 R 475 N.0/8.3	RA225-052-CP E519/15H4	R206 RM	283011		4320	1.0	
218 3 D	CAC-PP-TB/R364+	CAC-RLY-3A	A500 R 475 N.1/9.3	RA225-052-CP E519/15H4	R206 RM	283011		4320	1.0	
218 3 D	CAC-PP-TB/363+	CAC-RLY-3B	A500 R 475 N.0/8.3	RA225-052-CP E519/15H4	R206 RM	283011		4320	1.0	
3 D		CAC-RLY-4/1234	A500 R 475					4320	1.0	
218 3 D	CAC-PP-TB/R364+	CAC-RLY-4A	A500 R 475 N.1/9.3	RA225-052-CP E519/15H4	R206 RM	283011		4320	1.0	
71 3 D	E-CP-CAC/HR1A+	CAC-RLY-4A/1234	A500 R 475 N.1/9.3	RA225-052CP E519/13/15	R604 AB	283011	2 1 0 0	4320	09	Y
218 3 D	CAC-PP-TB/363+	CAC-RLY-4B	A500 R 475 N.0/8.3	RA225-052-CP E545/12	R206 RM	283011		4320	1.0	
71 3 D	E-CP-CAC/HR1B+	CAC-RLY-4B/1234	A500 R 475 N.0/8.3	RA225-052CP E519/13/15	R604 AB	283011	2 1 0 0	4320	09	Y
3 D	E-CP-CAC/HR1A+	CAC-TDS-1A	A109 R 574 P2/5.7	7012AH		338002		4320	1.0	
3 D	E-CP-CAC/HR1B+	CAC-TDS-1B	A109 R 574 M5/8.0	7012AH		338002		4320	1.0	
71 2 D	CAC-HR-1A+	CAC-TE-1A	T165 R 577 N.5/6.6	80500 M554 E13	R604 AB	339006	2 1 0 0	4320	09	F Y
71 2 G	CAC-HR-1A+	CAC-TE-1A1	T165 R 580 N.5/6.6	80500 M554 E13	R604 AB	339006	2 1 0 0	4320	09	F Y

Manning-Bassett Forming, Inc. 17

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID ASING	TEST DBE	ANL C	F70 HOURS	C	FREQ ACCURACY	TH	HL
EC	USE											
71 2 G	CAC-CR-1A+	CAC-TE-1A2	R 576 M.3/6.4	M554 E15	AB	2 1	0 0	4320			F	Y
71 2 G	CAC-CR-1A+	CAC-TE-1A3	R 576 M.3/6.4	M554 D14	AB	2 1	0 0	4320			F	Y
71 2 G	CAC-CR-1A+	CAC-TE-1A4	R 576 M.3/6.4	M554 D14	AB	2 1	0 0	4320			F	Y
71 2 G	CAC-CR-1A+	CAC-TE-1A5	R 576 M.3/6.4	M554 D14	AB	2 1	0 0	4320			F	Y
71 2 G	CAC-CR-1A+	CAC-TE-1A6	T165 R 573 M.3/6.4	P0-004-1371-109 M554 D14	AB 339018	2 1	0 0	4320			F	Y
71 2 G	CAC-CR-1A+	CAC-TE-1A7	T165 R 573 M.3/6.4	P0-004-1371-109 M554 D14	AB 339018	2 1	0 0	4320			F	Y
71 2 D	CAC-HR-1B+	CAC-TE-1B	T165 R 577 M.5/7.4	P0-004-1371-109 M554 E3	AB 339018	2 1	0 0	4320		09	F	Y
71 2 G	CAC-HR-1B+	CAC-TE-1B1	T165 R 580 M.5/7.4	80500 M554 E3	R604 AB 339006	2 1	0 0	4320		09	F	Y
71 2 G	CAC-CR-1B+	CAC-TE-1B2	T165 R 576 M.3/7.2	M554 E3	AB	2 1	0 0	4320			F	Y
71 2 G	CAC-CR-1B+	CAC-TE-1B3	T165 R 576 M.3/7.2	M554 D2	AB	2 1	0 0	4320			F	Y
71 2 G	CAC-CR-1B+	CAC-TE-1B4	T165 R 576 M.3/7.2	M554 D2	AB	2 1	0 0	4320			F	Y
71 2 G	CAC-CR-1B+	CAC-TE-1B5	T165 R 576 M.3/7.2	M554 D2	AB	2 1	0 0	4320			F	Y

Mooney Equipment (Form) Inc. 11

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID OS	TEST AGING	ANL C	PZO HOURS	C C	FREQ ACCURACY	TH HL	HL
71 2 G	CAC-CR-1B+	CAC-TE-1B6	T165 R 573 M.5/7.2	PO-004-137-109 M554 02	R604	AB	339018	2 1	0 0	4320	2 0	F Y
71 2 G	CAC-CR-1B+	CAC-TE-1B7	T165 R 573 M.5/7.2	PO-004-137-109 M554 02	R604	AB	339018	2 1	0 0	4320	2 0	F Y
71 2 D	CAC-HR-1A+	CAC-TE-2A	T165 R 582 M.5/6.6	80500 M554 E13	R604	AB	339006	2 1	0 0	4320	09	F Y
71 2 D	CAC-HR-1B+	CAC-TE-2B	T165 R 582 M.5/7.4	80500 M554 E2	R604	AB	339006	2 1	0 0	4320	09	F Y
71 2 D	CAC-HR-1A+	CAC-TE-3A	T165 R 577 M.5/6.6	80500 M554 E14	R604	AB	339006	2 1	0 0	4320	09	F Y
71 2 D	CAC-HR-1B+	CAC-TE-3B	T165 R 577 M.5/7.4	80500 M554 E2	R604	AB	339006	2 1	0 0	4320	09	F Y
71 2 D	CAC-HR-1A+	CAC-TE-4A	T165 R 578 M.5/6.6	80500 M554 E14	R604	AB	339006	2 1	0 0	4320	09	F Y
71 2 D	CAC-HR-4B+	CAC-TE-4B	T165 R 578 M.5/7.4	80500 M554 E4	R604	AB	339006	2 1	0 0	4320	09	F Y
71 2 D	CAC-HR-1A+	CAC-TE-5A	T165 R 577 M.5/6.6	80500 M554 013	R604	AB	339006	2 1	0 0	4320	09	F Y
71 2 D	CAC-HR-1B+	CAC-TE-5B	T165 R 577 M.5/7.4	80500 M554 02	R604	AB	339006	2 1	0 0	4320	09	F Y
71 2 D	CAC-HR-1A+	CAC-TE-6A	T165 R 578 M.5/6.6	80500 M554 E13	R604	AB	339006	2 1	0 0	4320	09	F Y
71 2 D	CAC-HR-1B+	CAC-TE-6B	T165 R 578 M.5/7.4	80500 M554 E13	R604	AB	339006	2 1	0 0	4320	09	F Y

Meyer Instrument Farms, Inc. NY

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFC PLANT	HFC MODEL NO. ROOM	QD AGING	TEST DBE	ARL C	F/C HOURS	C	FREQ ACCURACY	TM	HL
EC	EQUIPMENT DESCRIPTION		DRAWING		USE							
71 3	E-CP-CAC/HR1A+	CAC-TIC-4A	B045	50-701003AAAA1	341001	2 1	0 0			09		Y
	TEMP CNTL DISCH	CAC-MS-1A	R 575 M5/5.7	M554 E13	R604 AN			4320		1 0		
71 3	E-CP-CAC/HR1B+	CAC-TIC-4B	B015	50-701003AAAA1	341001	2 1	0 0			09		Y
	TEMP CNTL DISCH	CAC-MS-1B	R 572 M.5/8.0	M554 E4	R604 AN			4320		1 0		
71 3	E-CP-CAC/HR1A+	CAC-TS-1A	M422	RBA/3W-100/D-X1-X4	355007	2 1	0 0			09	F	Y
	TEMP SWITCH DISCH	CAC-FN-1A	R 575 M.2/5.7	M554 E13	R604 AN			4320		1 0		
71 3	E-CP-CAC/HR1B+	CAC-TS-1B	M422	RBA/3W-100/D-X1-X4	355007	2 1	0 0			09	F	Y
	TEMP SWITCH DISCH	CAC-FN-1B	R 575 M.5/8.0	M554 E3	R604 AN			4320		1 0		
71 3	E-CP-CAC/HR1A+	CAC-TS-2A	M422	RBA/3W-400/D-X1-X4	355007	2 1	0 0			09	F	Y
	0-1500F ON	CAC-EHC-1A	R 575 M.2/5.7	M554 E13	R604 AN			4320		1 0		
71 3	E-CP-CAC/HR1B+	CAC-TS-2B	M422	RBA/3W-400/DX1/X4	355007	2 1	0 0			09	F	Y
	0-1500F ON	CAC-EHC-1B	R 577 M.5/8.0	M554 E2	R604 AN			4320		1 0		
71 3	E-CP-CAC/HR1A+	CAC-TS-3A	M422	RBA/3W-400/D-X1-X4	355007	2 1	0 0			09	F	Y
	0-1200F ON	CAC-EHC-1A	R 575 M.2/5.7	M554 E13	R604 AN			4320		1 0		
71 3	E-CP-CAC/HR1B+	CAC-TS-3B	M422	RBA/3W-400/DX1/X4	355007	2 1	0 0			09	F	Y
	0-1200F ON	CAC-EHC-1B	R 575 M.5/8.0	M554 E2	R604 AN			4320		1 0		
71 3	E-CP-CAC/HR1A+	CAC-TS-5A	M422	RBA/3W-400/D-X1-X4	355007	2 1	0 0			09	F	Y
	0-1500F DISCH	CAC-EHC-1A	R 575 M.2/5.7	M554 E13	R604 AN			4320		1 0		
71 3	E-CP-CAC/HR1B+	CAC-TS-5B	M422	RBA/3W-400/D-X1/X4	355007	2 1	0 0			09	F	Y
	E-CP-CAC/HR1B+		R 575 M.5/8.0	M554 D2	R604 AN			4320		1 0		
71 3	E-CP-CAC/HR1A+	CAC-TS-6A	M422	RBA/3W-100/D-X1-X4	355007	2 1	0 0			09	F	Y
	0-340F DISCH	CAC-MS-1A	R 575 M.2/5.7	M554 E13	R604 AN			4320		1 0		
71 3	E-CP-CAC/HR1B+	CAC-TS-6B	M422	RBA/3W-100/DX1/X4	355007	2 1	0 0			09	F	Y
	0-340F DISCH	CAC-MS-1B	R 575 M.5/8.0	M554 E4	R604 AN			4320		1 0		

Meters Service Form, Inc. 11

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG PLANT	MODEL NO. LOCATION	ROOM	QID AGING	TEST DEF	ANL C	F/O HOURS	C ACCURACY	FREQ ACCURACY	TH HL
EC				DRAWING							USE	
71 3 D	CAC-HR-1A+	CAC-TT-4A	R 575 M.0/5.8	B045 TYPE 740		357001	2 1	0 0	4320	0 9	F Y	
	TEMP TRANS DISCH	CAC-HS-1A		M554 E13						1 0		
71 3 D	CAC-HR-1B+	CAC-TT-4B	R 575 M.5/8.0	B045 TYPE 740		357001			4320		F	
	TEMP TRANS DISCH	CAC-HS-1B		M554 E4						1 0		
68 2 B1,F	CEP-V-1A+	CEP-LMS-1A	R 563 6.5/2.4	N007 1703100		200005			4320			
	LMS FOR CEP-V-1A			M J13						2 3		
68 2 B1,F	CEP-V-1B+	CEP-LMS-1B	R 563 6.5/2.4	N007 1703100		200005			4320			
	LMS FOR CEP-V-1B			M J13						2 3		
68 2 B1,F	CEP-V-2A+	CEP-LMS-2A	R 563 6.5/2.4	N007 1703100		200005			4320			
	LMS FOR CEP-V-2A			M543 J13						2 3		
68 2 B1,F	CEP-V-2B+	CEP-LMS-2B	R 563 6.5/2.4	N007 1703100		200005			4320			
	LMS FOR CEP-V-2B			M543 J13						2 3		
68 2 B1,F	CEP-V-3A+	CEP-LMS-3A	R 471 H.4/6.8	N007 74080100		200010			4320			
	LMS FOR CEP-V-3A			M543 C14						2 3		
68 2 B1,F	CEP-V-3B+	CEP-LMS-3B	R 495 H.5/5.4	N007 74080100		200010			4320			
	LMS FOR CEP-V-3B			M C14						2 3		
68 2 B1,F	CEP-V-4A+	CEP-LMS-4A	R 495 H.5/5.4	N007 74080100		200010			4320			
	LMS FOR CEP-V-4A			M543 C14						2 3		
68 2 B1,F	CEP-V-4B+	CEP-LMS-4B	R 495 H.5/5.4	N007 74080100		200010			4320			
	LMS FOR CEP-V-4B			M543 C14						2 3		
215 2 R1	CIA-V-20+	CIA-MO-20	R 525 J.3/7.0	L200 SPB-000-5/P48		221011	1 4		24	33	P N	
	MOTOR OPERATOR	CIA-V-20		M556 J6	AA					1 0		
215 2 B1	CIA-V-30A+	CIA-MO-30A	R 565 J.8/4.7	L20C SPB-000-5/P48		221011	1 4		24	33	N	
	1HP MOTOR OPERATOR	CIA-V-30A		M556 H6	AA					1 0		

MOTOR OPERATOR FORM, INC. 17

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	REG. PLANT LOCATION	REG. MODEL NO. ROOM	QID Q5	TEST AGING	ANL DRE	F/O HOURS	C C	FREQ ACCURACY	TH	HL
215 2	B1	CIA-V-30B+ 1HP MOTOR OPERATOR CIA-V-30B	L200 R 545 H45/6.8	SMR-000-5/P4A M556 F6	221011	1 A		24		33	P	N
58 2	G	E-IR-67+ DIV.1 CIA N2 HDR PRESSURE IR-67	1204 R 557.638/M.8	0288 M556 J6	256007	2 5	0.0	4320		33+	F	N
58 2	G	E-IR-68+ DIV.2 CIA N2 HDR PRESSURE IR-68	8080 R 548 H7/8.1	088A M556 F6	256007	1 A	0.0	4320		08		N
220 2	G	E-IR-67+ REMOTE LOCAL PS	R 548	M556 H1				4320		2 3		
220 2	G	CIA-PS-29 PRESS SWITCH CONTAINMENT SUPPLY	R 522	M556 K07				4320		2 0		
58 2	G	E-IR-71+ CIA CROSSTIE TO CN BACKUP IR-71	M239 R 523 H26/7.0	DAV7023-804 M556 J7	256011	2 8	0.0	4320		33+	F	N
58 2	G	E-IR-74+ CIA CROSSTIE TO CN BACKUP IR-74	M235 R 525 H47/7.1	DAV-7023-804-R85 M556 J7	256011	2 5	0.0	4320		33+		N
59 2	G	E-IR-71+ PT DOWNSTREAM OF CIA-AR-1	6080 R 522 J/6.7	712203 M556 K09	259004			4320		2 0		
59 2	G	E-IR-67+ CIA HEADER PRESS. IR-67	R369 R 548 H.8/5.7	6P7A22T0003PB M556 J6	259004			4320		2 3		
59 2	G	E-IR-68+ CIA HEADER PRESS. IR-68	6080 R 550 H.7/8.2	6P7A22T000PB M556 F6	259004			4320		2 3		
215 2	U1	CIA-SPV-1A 0.5" SCL PILOT ON N2 BOTTLE DISCH	M090 R 440 N/4.3	MV229HQ-S2 M556 68	315009			4320		1 0		
215 2	B1	CIA-SPV-1B 0.5" SOLENOID PILOT VALVE	M090 R 440 N/7	MV229HQ-S2 M556 F8	315009			4320		1 0		

Morrow Process Forms, Inc. 1"

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CONTRACT LV.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	AHL	F/D	C	FREQ	TH	HL
EC	SAFETY FUNCTION	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	EX	AGING	DBE	C	HOURS	ACCURACY		
				DRAWING						USE		
215 2 B1		CIA-SPV-10A	M090	MV229HQ-S2	315009							
	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/4.3	M556	68	R105	TT		4320		1 0		
215 2 R1		CIA-SPV-10B	M090	MV229HQ-S2	315009							
	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/7	M556	FA	R105	TT		4320		1 0		
215 2 B1		CIA-SPV-11A	M090	MV229HQ-S2	315009							
	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/4.3	M556	68	R105	TT		4320		1 0		
215 2 B1		CIA-SPV-11B	M090	MV229HQ-S2	315009							
	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/7	M556	F8	R105	TT		4320		1 0		
215 2 B1		CIA-SPV-12A	M090	MV229HQ-S2	315009							
	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/4.3	M556	68	R105	TT		4320		1 0		
215 2 B1		CIA-SPV-12B	M090	MV229HQ-S2	315009							
	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/7	M556	F8	R105	TT		4320		1 0		
215 2 B1		CIA-SPV-13A	M090	MV229HQ-S2	315009							
	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/4.3	M556	68	R105	TT		4320		1 0		
215 2 B1		CIA-SPV-13B	M090	MV229HQ-S2	315009							
	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/7	M556	FA	R105	TT		4320		1 0		
215 2 B1		CIA-SPV-14A	M090	MV229HQ-S2	315009							
	0.5" SCL PILOT ON N2 BOTTLE DISCH	R 440 N/4.3	M556	68	R105	TT		4320		1 0		
215 2 B1		CIA-SPV-14B	M090	MV229HQ-S2	315009							
	0.5" SOLENOID PILOT VALVE	R 440 N/7.9	M556	F8	R105	TT		4320		1 0		
215 2 B1		CIA-SPV-15A	M090	MV229HQ-S2	315009							
	0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556	68	R105	TT		4320		1 0		
215 2 B1		CIA-SPV-15B	M090	MV229HQ-S2	315009							
	0.5" SOLENOID PILOT VALVE	R 440 N/7.9	M556	F8	R105	TT		4320		1 0		

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CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F70	C	FREQ	TH	HL
EC	SAFETY FUNCTION	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	OS	AGING	DBE	HOURS	ACCURACY	USE		
215 2 B1		CIA-SPV-16B	M090	MV229MQ-S2						315009		
		SOLENOID PILOT VALVE	R 440 N/7.9	M556 F8		R105	TT			4320		1 0
215 2 B1		CIA-SPV-17B	M090	MV229MQ-S2						315009		
		SOLENOID PILOT VALVE	R 440 N/7.9	M556 F8		R105	TT			4320		1 0
215 2 B1		CIA-SPV-18B	M090	MV229MQ-S2						315009		
		0.5" SOL PILOT ON N2 BOTTLE DISCH.	R 440 N/7.9	M556 F8		R105	TT			4320		1 0
215 2 B1		CIA-SPV-19B	M090	MV229MQ-S2						315009		
		SOLENOID PILOT VALVE	R 440 N/7.9	M556 F8		R105	TT			4320		1 0
215 2 B1		CIA-SPV-2A	M090	MV229MQ-S2						315009		
		0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556 F8		R105	TT			4320		1 0
215 2 B1		CIA-SPV-2B	M090	MV229MQ-S2						315009		
		0.5" SOLENOID PILOT VALVE	R 440 N/7	M556 F8		R105	TT			4320		1 0
215 2 B1		CIA-SPV-3A	M090	MV229MQ-S2						315009		
		0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556 F8		R105	TT			4320		1 0
215 2 B1		CIA-SPV-3B	M090	MV229MQ-S2						315009		
		0.5" SOLENOID PILOT VALVE	R 440 N/7	M556 F8		R105	TT			4320		1 0
215 2 B1		CIA-SPV-4A	M090	MV229MQ-S2						315009		
		0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556 F8		R105	TT			4320		1 0
215 2 B1		CIA-SPV-4B	M090	MV229MQ-S2						315009		
		0.5" SOLENOID PILOT VALVE	R 440 N/7	M556 F8		R105	TT			4320		1 0
215 2 H1		CIA-SPV-5A	M090	MV229MQ-S2						315009		
		0.5" SOLENOID PILOT VALVE	R 440 N/4.3	M556 F8		R105	TT			4320		1 0
215 2 B1		CIA-SPV-5B	M090	MV229MQ-S2						315009		
		0.5" SOLENOID PILOT VALVE	R 440 N/7	M556 F8		R105	TT			4320		1 0

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NOS SAFETY FUNCTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	Q10 RS	TEST AGEING	ANL C	F/G HOURS	C USE	FREQ ACCURACY	IN HL
EC	EQUIPMENT DESCRIPTION	DRAWING									
215 2 B1	CIA-SPV-6A 0.5" SOLENOID PILOT VALVE	M090 R 440 N/4.3	MV229HQ-S2 M556 F8	R105	TT			315009 4320		1 0	
215 2 B1	CIA-SPV-6B 0.5" SOLENOID PILOT VALVE	M090 R 440 N/7	MV229HQ-S2 M556 F8	R105	TT			315009 4320		1 0	
215 2 B1	CIA-SPV-7A 0.5" SOLENOID PILOT VALVE	M090 R 440 N/4.3	MV229HQ-S2 M556 F8	R105	TT			315009 4320		1 0	
215 2 B1	CIA-SPV-7B 0.5" SOLENOID PILOT VALVE	M090 R 440 N/7	MV229HQ-S2 M556 F8	R105	TT			315009 4320		1 0	
215 2 B1	CIA-SPV-8A 0.5" SOLENOID PILOT VALVE	M090 R 440 N/4.3	MV229HQ-S2 M556 F8	R105	TT			315009 4320		1 0	
215 2 B1	CIA-SPV-8B 0.5" SOLENOID PILOT VALVE	M090 R 440 N/7	MV229HQ-S2 M556 F8	R105	TT			315009 4320		1 0	
215 2 B1	CIA-SPV-9A 0.5" SOLENOID PILOT VALVE	M090 R 440 N/4.3	MV229HQ-S2 M556 F8	R105	TT			315009 4320		1 0	
215 2 B1	CIA-SPV-9B 0.5" SOLENOID PILOT VALVE	M090 R 440 N/7	MV229HQ-S2 M556 F8	R105	TT			315009 4320		1 0	
215 2 B1	CIA-SV-39A .5" SOL. AIR TIE TO N2 HDR	M090 R 540 K.0/4.3	MV229HS-S2 M556 H7		TT			4320		1 0	
215 2 B1	CIA-SV-39B .5" SOL. AIR TIE TO N2 HDR	M090 R 540 M.8/7.7	MV229HS-S2 M556 F7		TT			4320		1 0	
92B 2 I	S-SR-13+ H2O2 ANALYZER	CMS-AY-1 SR-13	B135 M543 E6	7C(H2)AND 755(02)	PP			025002 4320		1 3	
92B 2 I	S-SR-14+ H2O2 ANALYZER	CMS-AY-2	B135 M543 H14	7C(H2)AND 755(02)	PP			025002 4320		1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGEING	TEST DRE	ANL C	E/C HOURS	C	FREQ ACCURACY	TM	HL
EC	EQUIPMENT DESCRIPTION	DRAWING								USE		
59 2	I SUPPRES. CHAMBER WTR LEVEL MONIT. IR	CMS-LT-1	R 465 J45/A.3	M040 TSI-IX-MFG-M14HY R206 BM	209007	1 4	0 0	24		50		N
59 2	I SUPPRES CHAMBER WTR LEVEL MONIT IR	CMS-LT-2	R 465 No.2/7.7	R369 1DP4022T003PB R214 BB	209077	1 4	0 0	24		50		N
220 2	I HE FOR DRYWELL	CMS-ME-1	R 536 190 D AZ	P047 M2R M543 E13				24				1 3
220 2	I HE FOR DRYWELL	CMS-ME-2	R 536 195 D AZ	P047 M2R M543 F7				24				1 3
220 2	I HE FOR DRYWELL	CMS-ME-3	R 536 195 D AZ	P047 M2R M543 E7				24				1 3
220 2	I HE FOR DRYWELL	CMS-ME-4	R 536 190 D AZ	P047 M2R M543 E13				24				1 3
220 2	I HE FOR DRYWELL	CMS-ME-5	R 536 45 D AZ	P047 M2R M543 E7	217002			24				1 3
220 3	I HT FOR DRYWELL	CMS-MT-1	R 536	P047 600 M543 E13				24				1 3
220 3	I HT FOR DRYWELL	CMS-MT-2	R 536	P047 600 M543 F7				24				1 3
220 3	I HT FOR DRYWELL	CMS-MT-3	R 536	P047 600 M543 E7				24				1 3
220 3	I HT FOR DRYWELL	CMS-MT-4	R 536	P047 600 M543 E13				24				1 3
220 3	I HT FOR DRYWELL	CMS-MT-5	R 536	P047 600 M543 E7				24				1 3

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. DRAWING	QID AGEING	TEST DRE	ANL P	F70 HOURS	C ACCURACY	FREQ ACCURACY	TM HL
58 2	I E-IR-67+	CMS-PT-1 CONTAINMENT PRESS. MONITORING IR-6	R 369 555 5.8/H.8	1151G7A22MBGE3 M543 F13	259003 AB	1 4	0 0	4320	1 3	07	R N
58 2	I E-IR-68+	CMS-PT-2 CONTAINMENT PRESS. MONITORING IR-68	R 369 551 8.2/H.7	1151G7A22MBGE3 M543 G7	259003 AB	1 4	0 0	4320	1 3	07	R N
59 2	I E-IR-68+	CMS-PT-2R PRIMARY CCNT. PRESS.	R 369 550 H.7/R.2	163C1984P442203 M543 G7	259010 B			4320			
59 2	I E-IR-66+	CMS-PT-3 SUPPRES. CHAMB. PRESS. MONITOR IR-66	R 369 501 N.0/5.1	1151G2A22MBGE3 M543 C15	259003 AB	1 4		4320	1 0	07	R N
59 2	I E-IR-63+	CMS-PT-4 SUPPRES. CHAMB. PRESS. MONITOR IR-63	R 369 501 L.4/9.3	1151G2A227BGE3 M543 R6	259003 AB	1 4		4320	1 0	07	R N
59 2	I E-IR-67+	CMS-PT-5 CONTAINMENT PRESS. MONITORING IR-67	R 369 555 5.8/H.8	1151G7A22MBGE3 M543 G13	259003 AB	1 4		4320	1 3	07	R N
59 2	I E-IR-68+	CMS-PT-6 CONTAINMENT PRESS. MONITORING IR-68	R 369 551 8.2/H.7	1151G4A22MBGE3 M543 H7	259003 AB	1 4		4320	1 3	07	R N
59 2	I E-IR-68+	CMS-PT-6R CONTAINMENT PRESS. HIGH RANGE	R 369 550 N.7/8.2	16P7A22T0003PB M543 H7	259003 AB	1 4		4320	2 0	07	R N
2	I S-SR-20+	CMS-RE-12A RE FOR DRYWELL	R	M543 F13	N			4320	1 3		
2	I S-SR-21+	CMS-RE-12B RE FOR DRYWELL	R	M543 F6	N			4320	1 3		
92B 2	I RE FOR LOCA DRYWELL MONITOR	CMS-RE-278	R 220 526 K.3/7.1	RS-CA-1606-203 M544 G3	P			4320	1 3		
92B 2	I RAD ELEMENT ELEVATED RELEASE PT.	CMS-RE-27D	R 220 611 H.3/6.2	RS-CA-1606-203 M544 G3	P			4320	1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID OS	TEST DBE	ANL C	F70 HOURS	C ACCURACY	FREQ TA	HL
EC				DRAWING					USE		
218 2 I		CMS-TE-17A TEMPERATURE ELEMENT EL 5640*	C 564	M543 H9	BP	339004	0 1	4320	99+	1 3	N
218 2 I		CMS-TE-17B TEMPERATURE ELEMENT EL 5480*	C 548	M543 E9	BP	339004	0 1	4320	99+	1 3	N
218 2 I		CMS-TE-17C TEMPERATURE ELEMENT EL 5320*	C 532	M543 E9	BP	339004	0 1	4320	99+	1 3	N
218 2 I		CMS-TE-17D TEMPERATURE ELEMENT EL 5160*	C 516	M543 C9	BP	339004	0 1	4320	99+	1 3	N
218 2 I		CMS-TE-21 REACTOR DRYWELL	C 515	M543 D10	DP			4320		1 3	
218 2 I		CMS-TE-22 REACTOR DRYWELL	C 515	M543 D10	DP			4320		1 3	
218 2 I		CMS-TE-23 REACTOR DRYWELL	C 515	M543 D10	DP			4320		1 3	
218 2 I		CMS-TE-41 TE FOR SUPPRESSION POOL WATER	C 451 2 DEG AZ	H329 TC-113X-T-A-24-3 M543 B13	D	339002		24		1 0	
218 2 I		CMS-TE-42 TE FOR SUPPRESSION POOL AIR	C 492 225 DEG AZ	H329 TC-113X-T-A-24-3 M543 B6	D	339002		24		1 0	
218 2 I		CMS-TE-43 TE FOR SUPPRESSION POOL WATER	C 451 225 DEG AZ	H329 TC-113X-T-A-24-3 M543 B6	D	339002		24		1 0	
218 2 I		CMS-TE-44 TE FOR SUPPRESSION POOL AIR	C 492 2 DEG AZ	H329 TC-113X-T-A-24-3 M543 B13	D	339002		24		1 0	
02 3 A		CRD-IR-1* DIFF. PRESS. INDICATOR	CRD-DPI-5 R 522 N.4/3.6	G080 13722 M528 C7				1.0		2 1	

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CONTRACT LY	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. BOOK	QTY	TEST AGEING	ANL DRF	F/O HOURS	C ACCURACY	FREQ USE	TM	HL
02 3	A	CRD-IR-1+	CRD-DPI-9	G080 R 522 N.4/3.6	13733			140		2 3		
		DIFF. PRESS. INDICATOR		M528 B6								
02 2	A	CRD-IR-1A+	CRD-DPIS-15	B080 R 426 N.8/3.7	288		086001	4320		2 3		
		DIFF. PRESS. INDIC. SWITCH		M528 B1A								
02 2	A	CRD-IR-1+	CRD-DPIS-2	B080 R 522 N.4/3.6	288		086001	4320		2 3		
		DIFF. PRESS. INDIC. SWITCH		M528 B10								
02 2	A	CRD-IR-1+	CRD-DPT-11	B080 R 522 N.4/3.6	368		091003	4320		2 1		
		DIFF. PRESS. TRANSMITTER		M528 D7								
02 2	A	CRD-IR-1+	CRD-DPT-8	B080 R 522 N.4/3.6	368		091003	4320		2 3		
		DIFF. PRESS. TRANSMITTER		M528 B6								
02 2	A	CRD-IR-3+	CRD-E/P-001	G080 R 524 N.8/3.8	158B7013P7		104001	140		2 1		
				M528 C8								
02 2	A	CRD-IR-1+	CRD-FI-7	R369 R 522 N.4/3.6	1151DP5022T0001PB			140		2 1		
		CRD FLOW - -		M528 B6								
02 2	A	CRD-IR-1+	CRD-FT-9	R369 R 522 N.4/3.6	1151DP5022T0001PB			4320		2 1		
		CRD FLOW - -		M528 C7								
02 1	A	CRD-IR-1A+	CRD-IR-1A+	G080 R 426 N.8/3.7						1 3		
		CRD PUMP INSTRUMENT RACK										
02 1	A	CRD-IR-1B+	CRD-IR-1B+	G080 R 426 N.8/3.8						1 3		
		CRD PUMP INSTRUMENT RACK										
02 1	A	CRD-IR-1C+	CRD-IR-1C+	G080 R 426 N.8/4.8						1 3		
		CRD PUMP INSTRUMENT RACK										
02C12 2	A	CRD-LS-13A	CRD-LS-13A	M043 R 322 J226.9	5.0-751-1X-MPG-S13HY	207004	1 4 0 0	00		W N		
		CRD LEVEL - -		M528 J11	RA04			4017		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID Q.S.	TEST AGEING	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL HL
02C12 2 A	EC	CRD-LS-13B	M040	5.0-751-1X-MPG-S13HY	207004	1.4	0.0	00		M	N
		CRD LEVEL - -	R 930 J2/6.9	M528 J11	R404 TH			6017			
02C12 2 A		CRD-LS-13C	M040	5.0-751-1X-MPG-M13HY	207004	1.4	0.0	00		M	N
		CRD LEVEL - -	R 532 J.4/4.9	M528 J16	R404 TH			6017			
02C12 2 A		CRD-LS-13D	M040	5.0-751-1X-MPG-M13HY	207004	1.4	0.0	00		M	N
		CRD LEVEL - -	R 532 J.4/4.9	M528 J7	R404 TH			6017			
02C12 2 A		CRD-LS-13E	M040	5.0-751-2X-MPG-M14HY	207004	1.4	0.0	00		M	N
		CRD LEVEL - -	R 528 J.4/4.9	M528 H7	R408 TH			6017			
02C12 2 A		CRD-LS-13F	M040	5.0-751-2X-MPG-M14HY	207004	1.4	0.0	00		M	N
		CRD LEVEL - -	R 525 J.4/4.9	M528 H7	R408 TH			6017			
02 2 A		CRD-FCV-2A+	CRD-M/A-9A								
		MAN/AUTO. STATION	R 524 M.8/3.8	M528 B7				1.0			
02 2 A		CRD-FCV-2B+	CRD-M/A-9B								
		MAN/AUTO. STATION	R 524 M.8/3.8	M528 B7				1.0			
02C12 2 A		CRD-V-3	CRD-MO-3	P295							
		133HP MOTOR OPERATOR CRD-V-3	R 524 M.0/3.5	M528 C7				4320			
02 2 A		CRD-IR-1B+	CRD-PS-1A	S382	6N-AA21-X3V11						
		INLET TO CRD-ST-1A	R 426 M.8/3.8	M528 C13				4320			
02 2 A		CRD-IR-1C+	CRD-PS-1B	S382	6N-AA21-X3V11						
		INLET TO CRD-ST-1B	R 426 M.8/4.8	M528 B12				4320			
02C12 2 A		CRD-HCU-0219	CRD-PS-130/0219	B069	B11-6H32SS						
		ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	256019	1.1	0.1	1.0		F	N
02C12 2 A		CRD-HCU-0223	CRD-PS-130/0223	B069	B11-6H32SS						
		ACCUM PRESS 970-940 PSIG DECREAS	R 522 L5/8.4	M528 C4	256019	1.1	0.1	1.0		F	N

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QIO AS	TEST DRE	AHL C	F/O HOURS	C	FREQ ACCURACY	TM	HL
FC			DRAWING		ABNO					USE		
02C12 2 A	CRD-HCU-0227 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0227	B069 R 522 L5/8.4	B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-0231 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0231	B069 R 522 L5/8.4	B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-0235 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0235	B069 R 522 K2/8.4	B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-0239 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0239	B069 R 522 K2/8.4	B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-0243 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0243	B069 R 522 K2/8.4	B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-0615 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0615	B069 R 522 L5/8.4	B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-0619 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0619	B069 R 522 L9/8.4	B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-0623 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0623	B069 R 522 L5/8.4	B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-0627 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0627	B069 R 522 L5/8.4	B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-0631 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0631	B069 R 522 L9/8.4	B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-0635 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0635	B069 R 522 K2/8.4	B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-0639 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0639	B069 R 522 K2/8.4	B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N

Metcalf & Eddy, Inc. LV

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL.	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	AS	AGING	DEF	HOURS	ACCURACY			
												USE
02C12 2 A	CRD-HCU-0643 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0643 R 522 K2/8.4	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3			F N
		M528 C4										
02C12 2 A	CRD-HCU-0647 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/0647 R 522 K2/8.4	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3			F N
		M528 C4										
02C12 2 A	CRD-HCU-1011 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1011 R 522 L5/8.4	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3			F N
		M528 C4										
02C12 2 A	CRD-HCU-1015 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1015 R 522 L5/8.4	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3			F N
		M528 C4										
02C12 2 A	CRD-HCU-1019 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1019 R 522 L5/8.4	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3			F N
		M528 C4										
02C12 2 A	CRD-HCU-1025 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1025 R 522 L5/8.4	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3			F N
		M528 C4										
02C12 2 A	CRD-HCU-1027 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1027 R 522 L5/8.4	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3			F N
		M528 C4										
02C12 2 A	CRD-HCU-1031 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1031 R 522 L5/8.4	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3			F N
		M528 C4										
02C12 2 A	CRD-HCU-1035 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1035 R 522 K2/8.4	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3			F N
		M528 C4										
02C12 2 A	CRD-HCU-1039 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1039 R 522 K2/8.4	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3			F N
		M528 C4										
02C12 2 A	CRD-HCU-1043 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1043 R 522 K2/8.4	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3			F N
		M528 C4										
02C12 2 A	CRD-HCU-1047 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1047 R 522 K2/8.4	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3			F N
		M528 C4										

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG. PLANT	MFG. MODEL NO. ROOM	QTY	QTY	TEST	AHL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING							HOURS	ACCURACY			
										USE			
02C12 2 A	CRD-HCU-1051 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1051 R 522 K2/8.4	B069	B1T-6H32SS M528 C4		AB	256019	1 1	0 1		1.0	1 3	F N
02C12 2 A	CRD-HCU-1407 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1407 R 522 L5/8.4	B069	B1T-6H32SS M528 C4		AB	256019	1 1	0 1		1.0	1 3	F N
02C12 2 A	CRD-HCU-1411 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1411 R 522 L5/8.4	B069	B1T-6H32SS M528 C4		AB	256019	1 1	0 1		1.0	1 3	F N
02C12 2 A	CRD-HCU-1415 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1415 R 522 L5/8.4	B069	B1T-6H32SS M528 C4		AB	256019	1 1	0 1		1.0	1 3	F N
02C12 2 A	CRD-HCU-1419 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1419 R 522 L5/8.4	B069	B1T-6H32SS M528 C4		AB	256019	1 1	0 1		1.0	1 3	F N
02C12 2 A	CRD-HCU-1423 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1423 R 522 L5/8.4	B069	B1T-6H32SS M528 C4		AB	256019	1 1	0 1		1.0	1 3	F N
02C12 2 A	CRD-HCU-1427 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1427 R 522 L5/8.4	B069	B1T-6H32SS M528 C4		AB	256019	1 1	0 1		1.0	1 3	F N
02C12 2 A	CRD-HCU-1431 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1431 R 522 L5/8.4	B069	B1T-6H32SS M528 C4		AB	256019	1 1	0 1		1.0	1 3	F N
02C12 2 A	CRD-HCU-1435 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1435 R 522 K2/8.4	B069	B1T-6H32SS M528 C4		AB	256019	1 1	0 1		1.0	1 3	F N
02C12 2 A	CRD-HCU-1439 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1439 R 522 K2/8.4	B069	B1T-6H32SS M528 C4		AB	256019	1 1	0 1		1.0	1 3	F N
02C12 2 A	CRD-HCU-1443 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1443 R 522 K2/8.4	B069	B1T-6H32SS M528 C4		AB	256019	1 1	0 1		1.0	1 3	F N
02C12 2 A	CRD-HCU-1447 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1447 R 522 K2/8.4	B069	B1T-6H32SS M528 C4		AB	256019	1 1	0 1		1.0	1 3	F N

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT	MFG. MODEL NO. LOCATION	QID ROOM	TEST AGE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-1451	CRD-PS-130/1451 ACCUM PRESS 970-940 PSIG DECREAS	B069 R 522 K2/8.4	B1T-6H32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-1455	CRD-PS-130/1455 ACCUM PRESS 970-940 PSIG DECREAS	B069 R 522 K2/8.4	B1T-6H32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-1803	CRD-PS-130/1803 ACCUM PRESS 970-940 PSIG DECREAS	B069 R 522 L3/8.4	B1T-6H32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-1807	CRD-PS-130/1807 ACCUM PRESS 970-940 PSIG DECREAS	B069 R 522 L3/8.4	B1T-6H32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-1811	CRD-PS-130/1811 ACCUM PRESS 970-940 PSIG DECREAS	B069 R 522 L5/8.4	B1T-6H32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-1815	CRD-PS-130/1815 ACCUM PRESS 970-940 PSIG DECREAS	B069 R 522 L5/8.4	B1T-6H32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-1819	CRD-PS-130/1819 ACCUM PRESS 970-940 PSIG DECREAS	B069 R 522 L5/8.4	B1T-6H32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-1823	CRD-PS-130/1823 ACCUM PRESS 970-940 PSIG DECREAS	B069 R 522 L5/8.4	B1T-6H32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-1827	CRD-PS-130/1827 ACCUM PRESS 970-940 PSIG DECREAS	B069 R 522 L5/8.4	B1T-6H32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-1831	CRD-PS-130/1831 ACCUM PRESS 970-940 PSIG DECREAS	B069 R 522 L5/8.4	B1T-6H32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-1835	CRD-PS-130/1835 ACCUM PRESS 970-940 PSIG DECREAS	B069 R 522 K2/8.4	B1T-6H32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-1839	CRD-PS-130/1839 ACCUM PRESS 970-940 PSIG DECREAS	B069 R 522 K2/8.4	B1T-6H32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO. PLANT LOCATION	ROOM	OS	DID AGTIB	TEST DBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
EC	EQUIPMENT DESCRIPTION			DRAWING							USE			
02C12 2 A	CRD-HCU-1843 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1843	B069 R 522 K2/8.4	B1T-6H32SS M528 C4			256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-1847 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1847	B069 R 522 K2/8.4	B1T-6H32SS M528 C4			256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-1851 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1851	B069 R 522 K2/8.4	B1T-6H32SS M528 C4			256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-1855 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1855	B069 R 522 K2/8.4	B1T-6H32SS M528 C4			256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-1859 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/1859	B069 R 522 K2/8.4	B1T-6H32SS M528 C4			256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-2203 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2203	B069 R 522 L5/8.4	B1T-6H32SS M528 C4			256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-2207 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2207	B069 R 522 L5/8.4	B1T-6H32SS M528 C4			256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-2211 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2211	B069 R 522 L5/8.4	B1T-6H32SS M528 C4			256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-2215 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2215	B069 R 522 L5/8.4	B1T-6H32SS M528 C4			256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-2219 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2219	B069 R 522 L5/8.4	B1T-6H32SS M528 C4			256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-2223 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2223	B069 R 522 L5/8.4	B1T-6H32SS M528 C4			256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-2227 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2227	B069 R 522 L5/8.4	B1T-6H32SS M528 C4			256019 AB	1 1	0 1	1.0		1 3	F	N

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 WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	BID ASINO	TEST OBE	ANG C	F/O HOURS	C ACCURACY	FREQ TH	HL
EC	EQUIPMENT DESCRIPTION		DRAWING		USE						
02C12 2 A	CRD-HCU-2231	CRD-PS-130/2231	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS		R 522 L5/8.4	M528 C4	AB						
02C12 2 A	CRD-HCU-2235	CRD-PS-130/2235	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS		R 522 K2/8.4	M528 C4	AB						
02C12 2 A	CRD-HCU-2239	CRD-PS-130/2239	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS		R 522 K2/8.4	M528 C4	AB						
02C12 2 A	CRD-HCU-2243	CRD-PS-130/2243	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS		R 522 K2/8.4	M528 C4	AB						
02C12 2 A	CRD-HCU-2247	CRD-PS-130/2247	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS		R 522 K2/8.4	M528 C4	AB						
02C12 2 A	CRD-HCU-2251	CRD-PS-130/2251	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS		R 522 K2/8.4	M528 C4	AB						
02C12 2 A	CRD-HCU-2255	CRD-PS-130/2255	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS		R 522 K2/8.4	M528 C4	AB						
02C12 2 A	CRD-HCU-2259	CRD-PS-130/2259	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS		R 522 K2/8.4	M528 C4	AB						
02C12 2 A	CRD-HCU-2603	CRD-PS-130/2603	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS		R 522 L5/8.4	M528 C4	AB						
02C12 2 A	CRD-HCU-2607	CRD-PS-130/2607	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS		R 522 L5/8.4	M528 C4	AB						
02C12 2 A	CRD-HCU-2611	CRD-PS-130/2611	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS		R 522 L5/8.4	M528 C4	AB						
02C12 2 A	CRD-HCU-2615	CRD-PS-130/2615	B069	B11-GH32SS	256019	1 1	0 1	1.0	1 3	F	N
	ACCUM PRESS 970-940 PSIG DECREAS		R 522 L5/8.4	M528 C4	AB						

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	REG. PLANT LOCATION	REG. MODEL NO. ROOM	QID OS	TEST AGING	ANL DBE	F70 HOURS	C	FREQ ACCURACY	TH	HL
02C12 2	A	CRD-HCU-2619 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2619 R 522 L5/8.4	B069 M528 C4	B11-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-2623 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2623 R 522 L5/8.4	B069 M528 C4	B11-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-2627 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2627 R 522 L4/8.4	B069 M528 C4	B11-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-2631 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2631 R 522 L5/8.4	B069 M528 C4	B11-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-2635 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2635 R 522 K2/8.4	B069 M528 C4	B11-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-2639 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2639 R 522 K2/8.4	B069 M528 C4	B11-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-2643 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2643 R 522 K2/8.4	B069 M528 C4	B11-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-2647 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2647 R 522 K2/8.4	B069 M528 C4	B11-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-2651 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2651 R 522 K2/8.4	B069 M528 C4	B11-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-2655 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2655 R 522 K2/8.4	B069 M528 C4	B11-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-2659 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/2659 R 522 K2/8.4	B069 M528 C4	B11-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-3003 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3003 R 522 L5/8.4	B069 M528 C4	B11-GH32SS	256019	1 1	0 1		1.0	1 3	F N

Account Entered From: 11/82

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QTO AGING	TEST OBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TM	HL
EC				DRAWING						USE		
02C12 2 A	CRD-HCU-3007 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3007	B069 R 522 L5/8.4	B1T-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-3011 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3011	B069 R 522 L5/8.4	B1T-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-3015 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3015	B069 R 522 L5/8.4	B1T-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-3019 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3019	B069 R 522 L5/8.4	B1T-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-3023 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3023	B069 R 522 L5/8.4	B1T-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-3027 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3027	B069 R 522 L5/8.4	B1T-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-3031 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3031	B069 R 522 K2/3.7	B1T-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-3035 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3035	B069 R 522 K2/3.7	B1T-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-3039 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3039	B069 R 522 K2/3.7	B1T-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-3043 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3043	B069 R 522 K2/3.7	B1T-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-3047 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3047	B069 R 522 K2/3.7	B1T-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-3051 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3051	B069 R 522 K2/3.7	B1T-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F	N

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QIO AGING	TEST DBE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TM	HL
02C12 2	A	CRD-HCU-3055 R 522 K2/3.7 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3055 R 522 K2/3.7	B069 B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3059 R 522 K2/3.7 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3059 R 522 K2/3.7	B069 B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3403 R 522 L5/3.7 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3403 R 522 L5/3.7	B069 B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3407 R 522 L5/3.7 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3407 R 522 L5/3.7	B069 B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3411 R 522 L5/3.7 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3411 R 522 L5/3.7	B069 B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3415 R 522 L5/3.7 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3415 R 522 L5/3.7	B069 B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3419 R 522 L5/3.7 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3419 R 522 L5/3.7	B069 B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3423 R 522 L5/3.7 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3423 R 522 L5/3.7	B069 B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3427 R 522 L5/3.7 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3427 R 522 L5/3.7	B069 B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3431 R 522 K2/3.7 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3431 R 522 K2/3.7	B069 B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3435 R 522 K2/3.7 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3435 R 522 K2/3.7	B069 B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N
02C12 2	A	CRD-HCU-3439 R 522 K2/3.7 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3439 R 522 K2/3.7	B065 B11-GH32SS	256019	1 1	0 1	1.0	1 3		F	N

None Present Form No. 11

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
USE												
02C12 2	A	CRD-HCU-3443 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3443 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-3447 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3447 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-3451 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3451 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS	256019	1 1	0.1		1.0	1 3	F N
02C12 2	A	CRD-HCU-3455 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3455 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-3459 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3459 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-3803 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3803 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS	256019	1 1	0.1		1.0	1 3	F N
02C12 2	A	CRD-HCU-3807 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3807 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-3811 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3811 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-3815 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3815 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS	256019	1 1	0.1		1.0	1 3	F N
02C12 2	A	CRD-HCU-3819 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3819 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-3823 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3823 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS	256019	1 1	0 1		1.0	1 3	F N
02C12 2	A	CRD-HCU-3827 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3827 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS	256019	1 1	0 1		1.0	1 3	F N

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT (LOCATION)	MFG. MODEL NO. ROOM DRAWING	QID AGING	TEST DBE	ANL C	F/C HOURS	C USE	FREQ ACCURACY	TH	HL
02C12 2	A	CRD-HCU-3831 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3831 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3835 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3835 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3839 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3839 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3843 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3843 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3847 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3847 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3851 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3851 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3855 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3855 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-3859 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/3859 R 522 K2/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-4203 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4203 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-4207 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4207 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-4211 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4211 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2	A	CRD-HCU-4215 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4215 R 522 L5/3.7	B069 M528 C4	B1T-GH32SS AB	256019	1 1	0 1	1.0	1 3	F	N

Model Number from DC TV

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	HFG PLANT LOCATION	HFG MODEL NO. ROOM	QID OS	TEST AGING	ANL DBE	F/C C	HOURS	C	FREQ ACCURACY	TH	HL
EC				DRAWING						USE			
02C12 2 A	CRD-HCU-4219 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4219	B069 R 522 L5/3.7	B1T-6H32SS M528 C4		256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4223 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4223	B069 R 522 L5/3.7	B1T-6H32SS M528 C4		256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4227 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4227	B069 R 522 L5/3.7	B1T-6H32SS M528 C4		256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4231 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4231	B069 R 522 K2/3.7	B1T-6H32SS M528 C4		256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4235 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4235	B069 R 522 K2/3.7	B1T-6H32SS M528 C4		256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4239 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4239	B069 R 522 K2/3.7	B1T-6H32SS M528 C4		256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4243 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4243	B069 R 522 K2/3.7	B1T-6H32SS M528 C4		256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4247 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4247	B069 R 522 K2/3.7	B1T-6H32SS M528 C4		256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4251 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4251	B069 R 522 K2/3.7	B1T-6H32SS M528 C4		256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4255 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4255	B069 R 522 K2/3.7	B1T-6H32SS M528 C4		256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4259 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4259	B069 R 522 K2/3.7	B1T-6H32SS M528 C4		256019 AB	1 1	0 1	1.0		1 3	F	N
02C12 2 A	CRD-HCU-4607 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4607	B069 R 522 L5/3.7	B1T-6H32SS M528 C4		256019 AB	1 1	0 1	1.0		1 3	F	N

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	REF MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC			PLANT LOCATION	ROOM	OS	AGING	DBE	HOURS	USE	ACCURACY		
02C12 2 A	CRD-HCU-4611 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4611	B069	B11-6H32SS		256019	1 1	0.1		1.0	1 3	F N
			R 522 L5/3.7	M528 C4	AB							
02C12 2 A	CRD-HCU-4615 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4615	B069	B11-6H32SS		256019	1 1	0.1		1.0	1 3	F N
			R 522 L5/3.7	M528 C4	AB							
02C12 2 A	CRD-HCU-4619 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4619	B069	B11-6H32SS		256019	1 1	0.1		1.0	1 3	F N
			R 522 L5/3.7	M528 C4	AB							
02C12 2 A	CRD-HCU-4623 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4623	B069	B11-6H32SS		256019	1 1	0.1		1.0	1 3	F N
			R 522 L5/3.7	M528 C4	AB							
02C12 2 A	CRD-HCU-4627 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4627	B069	B11-6H32SS		256019	1 1	0.1		1.0	1 3	F N
			R 522 L5/3.7	M528 C4	AB							
02C12 2 A	CRD-HCU-4631 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4631	B069	B11-6H32SS		256019	1 1	0.1		1.0	1 3	F N
			R 522 K2/3.7	M528 C4	AB							
02C12 2 A	CRD-HCU-4635 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4635	B069	B11-6H32SS		256019	1 1	0.1		1.0	1 3	F N
			R 522 K2/3.7	M528 C4	AB							
02C12 2 A	CRD-HCU-4639 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4639	B069	B11-6H32SS		256019	1 1	0.1		1.0	1 3	F N
			R 522 K2/3.7	M528 C4	AB							
02C12 2 A	CRD-HCU-4643 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4643	B069	B11-6H32SS		256019	1 1	0.1		1.0	1 3	F N
			R 522 K2/3.7	M528 C4	AB							
02C12 2 A	CRD-HCU-4647 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4647	B069	B11-6H32SS		256019	1 1	0.1		1.0	1 3	F N
			R 522 K2/3.7	M528 C4	AB							
02C12 2 A	CRD-HCU-4651 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4651	B069	B11-6H32SS		256019	1 1	0.1		1.0	1 3	F N
			R 522 K2/3.7	M528 C4	AB							
02C12 2 A	CRD-HCU-4655 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/4655	B069	B11-6H32SS		256019	1 1	0.1		1.0	1 3	F N
			R 522 K2/3.7	M528 C4	AB							

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MF6 PLANT LOCATION	MF6 MODEL NO. ROOM	Q10 OS	TEST AGING	ANL DBE	F/O C	F/O HOURS	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-5011	CRD-PS-130/5011 ACCUM PRESS 970-940 PSIG DECREAS	8069 R 522 L5/3.7	B1T-GH32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-5015	CRD-PS-130/5015 ACCUM PRESS 970-940 PSIG DECREAS	8069 R 522 L5/3.7	B1T-GH32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-5019	CRD-PS-130/5019 ACCUM PRESS 970-940 PSIG DECREAS	8069 R 522 L5/3.7	B1T-GH32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-5023	CRD-PS-130/5023 ACCUM PRESS 970-940 PSIG DECREAS	8069 R 522 L5/3.7	B1T-GH32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-5027	CRD-PS-130/5027 ACCUM PRESS 970-940 PSIG DECREAS	8069 R 522 L5/3.7	B1T-GH32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-5031	CRD-PS-130/5031 ACCUM PRESS 970-940 PSIG DECREAS	8069 R 522 K2/3.7	B1T-GH32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-5035	CRD-PS-130/5035 ACCUM PRESS 970-940 PSIG DECREAS	8069 R 522 K2/3.7	B1T-GH32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-5039	CRD-PS-130/5039 ACCUM PRESS 970-940 PSIG DECREAS	8069 R 522 K2/3.7	B1T-GH32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-5043	CRD-PS-130/5043 ACCUM PRESS 970-940 PSIG DECREAS	8069 R 522 K2/3.7	B1T-GH32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-5047	CRD-PS-130/5047 ACCUM PRESS 970-940 PSIG DECREAS	8069 R 522 K2/3.7	B1T-GH32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-5051	CRD-PS-130/5051 ACCUM PRESS 970-940 PSIG DECREAS	8069 R 522 K2/3.7	B1T-GH32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N
02C12 2 A	CRD-HCU-5415	CRD-PS-130/5415 ACCUM PRESS 970-940 PSIG DECREAS	8069 R 522 L5/3.7	B1T-GH32SS M528 C4	AB	256019	1 1	0 1	1.0	1 3	F	N

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID OS	TEST DBE	ANL. C	F/O HOURS	C	FREQ ACCURACY	TH. HL
EC	EQUIPMENT DESCRIPTION	DRAWING			AGING				USE		
02C12 2 A	CRD-HCU-5419 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5419 R 522 L5/3.7	B069	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F N
02C12 2 A	CRD-HCU-5423 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5423 R 522 L5/3.7	B069	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F N
02C12 2 A	CRD-HCU-5427 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5427 R 522 L5/3.7	B069	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F N
02C12 2 A	CRD-HCU-5431 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5431 R 522 K2/3.7	B069	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F N
02C12 2 A	CRD-HCU-5435 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5435 R 522 K2/3.7	B069	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F N
02C12 2 A	CRD-HCU-5439 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5439 R 522 K2/3.7	B069	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F N
02C12 2 A	CRD-HCU-5443 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5443 R 522 K2/3.7	B069	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F N
02C12 2 A	CRD-HCU-5447 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5447 R 522 K2/3.7	B069	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F N
02C12 2 A	CRD-HCU-5819 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5819 R 522 L5/3.7	B069	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F N
02C12 2 A	CRD-HCU-5823 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5823 R 522 L5/3.7	B069	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F N
02C12 2 A	CRD-HCU-5827 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5827 R 522 L5/3.7	B069	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F N
02C12 2 A	CRD-HCU-5831 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5831 R 522 K2/3.7	B069	B11-GH32SS M528 C4	256019 AB	1 1	0 1	1.0		1 3	F N

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CONTRACT LV	COMPGSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HFG. PLANT LOCATION	HFG MODEL NO. RQDN DS DRAWING	QID AGING	TEST DBE	ANL C	F/C HOURS	C	FREQ ACCURACY	TH	HL
02C12 2	A	CRD-HCU-5835 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5835 R 522 K2/3.7	8069 B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02C12 2	A	CRD-HCU-5839 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5839 R 522 K2/3.7	8069 B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02C12 2	A	CRD-HCU-5843 ACCUM PRESS 970-940 PSIG DECREAS	CRD-PS-130/5843 R 522 K2/3.7	8069 B11-GH32SS	256019	1 1	0 1	1.0		1 3	F	N
02 2	A	CRD-IR-2+ CRD-FU-3A,B TO CHARGING WATER HOR	CRD-PT-5 R 522 M.7/3.5	8042 K6556110FAAA1				4320		2 1		
02 2	A	CRD-IR-3+ PRESSURE TRANSMITTER AIR SUP.	CRD-PT-52 R 526 M.8/3.8		M528 D12			1.0		2 3		
02C12 2	A	CRD-IR-3+ 1.5" SOL. CAS-F-6 OISCH.	CRD-SPV-110A R 529 M.6/3.8	A499 HVA-103-632				1.0		1 3		
02C12 2	A	CRD-IR-3+ 1.5" SOL. CAS-F-6 OISCH.	CRD-SPV-110B R 528 M.8/3.8	A499 HVA-103-632				1.0		1 3		
02C12 2	A	CRD-HCU-0219 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1170219 R 522 L5/8.4	A610 HVA904052-J				1.0		1 3		
02C12 2	A	CRD-HCU-0223 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1170223 R 522 L5/8.4	A610 HVA904052-J				1.0		1 3		
02C12 2	A	CRD-HCU-0227 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1170227 R 522 L5/8.4	A610 HVA904052-J				1.0		1 3		
02C12 2	A	CRD-HCU-0231 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1170231 R 522 L5/8.4	A610 HVA904052-J				1.0		1 3		
02C12 2	A	CRD-HCU-0235 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1170235 R 522 K2/3.4	A610 HVA904052-J				1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	QID OS	TEST AGEING	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-0239	CRD-SPV-1170239 R 522 K2/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-0243	CRD-SPV-1170243 R 522 K2/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-0615	CRD-SPV-1170615 R 522 L5/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-0619	CRD-SPV-1170619 R 522 L5/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-0623	CRD-SPV-1170623 R 522 L5/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-0627	CRD-SPV-1170627 R 522 L5/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-0631	CRD-SPV-1170631 R 522 L5/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-0635	CRD-SPV-1170635 R 522 K2/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-0639	CRD-SPV-1170639 R 522 K2/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-0643	CRD-SPV-1170643 R 522 K2/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-0647	CRD-SPV-1170647 R 522 K2/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-1011	CRD-SPV-1171011 R 522 L5/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AS	TEST DRE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
EC				DRAWING					USE			
02C12 2 A	CRD-HCU-1015 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171015	A610 R 522 L5/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1019 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171019	A610 R 522 L5/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1023 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171023	A610 R 522 L5/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1027 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171027	A610 R 522 L5/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1031 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171031	A610 R 522 L5/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1035 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171035	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1039 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171039	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1043 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171043	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1047 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171047	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1051 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171051	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1407 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171407	A610 R 522 L5/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1411 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171411	A610 R 522 L5/8.4	HVA904052-J				1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SUBJECT FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QTY	TEST	ANL	F/G	C	FREQ	TM	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DRAWING	OS	AGE	DBE	C	HOURS	ACCURACY		
												USE
02C12 2 A	CRD-HCU-1415 SCRAM SOLENOID PILOT	CRD-SPV-1171415 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J M528 D2	A				1.0			1 3
02C12 2 A	CRD-HCU-1419 SCRAM SOLENOID PILOT	CRD-SPV-1171419 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J M528 D2	A				1.0			1 3
02C12 2 A	CRD-HCU-1423 SCRAM SOLENOID PILOT	CRD-SPV-1171423 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J M528 D2	A				1.0			1 3
02C12 2 A	CRD-HCU-1427 SCRAM SOLENOID PILOT	CRD-SPV-1171427 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J M528 D2	A				1.0			1 3
02C12 2 A	CRD-HCU-1431 SCRAM SOLENOID PILOT	CRD-SPV-1171431 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J M528 D2	A				1.0			1 3
02C12 2 A	CRD-HCU-1435 SCRAM SOLENOID PILOT	CRD-SPV-1171435 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J M528 D2	A				1.0			1 3
02C12 2 A	CRD-HCU-1439 SCRAM SOLENOID PILOT	CRD-SPV-1171439 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J M528 D2	A				1.0			1 3
02C12 2 A	CRD-HCU-1443 SCRAM SOLENOID PILOT	CRD-SPV-1171443 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J M528 D2	A				1.0			1 3
02C12 2 A	CRD-HCU-1447 SCRAM SOLENOID PILOT	CRD-SPV-1171447 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J M528 D2	A				1.0			1 3
02C12 2 A	CRD-HCU-1451 SCRAM SOLENOID PILOT	CRD-SPV-1171451 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J M528 D2	A				1.0			1 3
02C12 2 A	CRD-HCU-1455 SCRAM SOLENOID PILOT	CRD-SPV-1171455 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J M528 D2	A				1.0			1 3
02C12 2 A	CRD-HCU-1803 SCRAM SOLENOID PILOT	CRD-SPV-1171803 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J M528 D2	A				1.0			1 3

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	OS	AGING	ORE	C	HOURS	ACCURACY		
												USE
02C12 2 A	CRD-HCU-1807 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171807	A610	HVA904052-J R 522 L5/8.4						1.0		1 3
02C12 2 A	CRD-HCU-1811 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171811	A610	HVA904052-J R 522 L5/8.4						1.0		1 3
02C12 2 A	CRD-HCU-1815 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171815	A610	HVA904052-J R 522 L5/8.4						1.0		1 3
02C12 2 A	CRD-HCU-1819 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171819	A610	HVA904052-J R 522 L5/8.4						1.0		1 3
02C12 2 A	CRD-HCU-1823 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171823	A610	HVA904052-J R 522 L5/8.4						1.0		1 3
02C12 2 A	CRD-HCU-1827 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171827	A610	HVA904052-J R 522 L5/8.4						1.0		1 3
02C12 2 A	CRD-HCU-1831 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171831	A610	HVA904052-J R 522 L5/8.4						1.0		1 3
02C12 2 A	CRD-HCU-1835 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171835	A610	HVA904052-J R 522 K2/8.4						1.0		1 3
02C12 2 A	CRD-HCU-1839 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171839	A610	HVA904052-J R 522 K2/8.4						1.0		1 3
02C12 2 A	CRD-HCU-1843 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171843	A610	HVA904052-J R 522 K2/8.4						1.0		1 3
02C12 2 A	CRD-HCU-1847 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171847	A610	HVA904052-J R 522 K2/8.4						1.0		1 3
02C12 2 A	CRD-HCU-1851 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171851	A610	HVA904052-J R 522 K2/8.4						1.0		1 3

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID OS AGING	TEST OBS	ANL C	F/O HOURS	C ACCURACY	FREQ	TH	HL
02C12 2	A	CRD-HCU-1855 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171855 R 522 K2/8.4	A610	HVA904052-J	M528 D2	A	1.0	1.3			
02C12 2	A	CRD-HCU-1859 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1171859 R 522 K2/8.4	A610	HVA904052-J	M528 D2	A	1.0	1.3			
02C12 2	A	CRD-HCU-2203 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172203 R 522 L5/8.4	A610	HVA904052-J	M528 D2	A	1.0	1.3			
02C12 2	A	CRD-HCU-2207 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172207 R 522 L5/8.4	A610	HVA904052-J	M528 D2	A	1.0	1.3			
02C12 2	A	CRD-HCU-2211 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172211 R 522 L5/8.4	A610	HVA904052-J	M528 D2	A	1.0	1.3			
02C12 2	A	CRD-HCU-2215 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172215 R 522 L5/8.4	A610	HVA904052-J	M528 D2	A	1.0	1.3			
02C12 2	A	CRD-HCU-2219 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172219 R 522 L5/8.4	A610	HVA904052-J	M528 D2	A	1.0	1.3			
02C12 2	A	CRD-HCU-2223 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172223 R 522 L5/8.4	A610	HVA904052-J	M528 D2	A	1.0	1.3			
02C12 2	A	CRD-HCU-2227 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172227 R 522 L5/8.4	A610	HVA904052-J	M528 D2	A	1.0	1.3			
02C12 2	A	CRD-HCU-2231 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172231 R 522 L5/8.4	A610	HVA904052-J	M528 D2	A	1.0	1.3			
02C12 2	A	CRD-HCU-2235 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172235 R 522 K2/8.4	A610	HVA904052-J	M528 D2	A	1.0	1.3			
02C12 2	A	CRD-HCU-2239 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172239 R 522 K2/8.4	A610	HVA904052-J	M528 D2	A	1.0	1.3			

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT	MFG MODEL NO. LOCATION	QID ROOM	TEST AGING	ANL DBE	F/O C	FREQ HOURS	TH ACCURACY	HL USE
02C12 2	A	CRD-HCU-2243 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172243	A610 R 522 K2/8.4	HVA904052-J				1.0	1 3	
02C12 2	A	CRD-HCU-2247 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172247	A610 R 522 K2/8.4	HVA904052-J				1.0	1 3	
02C12 2	A	CRD-HCU-2251 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172251	A610 R 522 K2/8.4	HVA904052-J				1.0	1 3	
02C12 2	A	CRD-HCU-2255 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172255	A610 R 522 K2/8.4	HVA904052-J				1.0	1 3	
02C12 2	A	CRD-HCU-2259 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172259	A610 R 522 K2/8.4	HVA904052-J				1.0	1 3	
02C12 2	A	CRD-HCU-2603 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172603	A610 R 522 L5/8.4	HVA904052-J				1.0	1 3	
02C12 2	A	CRD-HCU-2607 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172607	A610 R 522 L5/8.4	HVA904052-J				1.0	1 3	
02C12 2	A	CRD-HCU-2611 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172611	A610 R 522 L5/8.4	HVA904052-J				1.0	1 3	
02C12 2	A	CRD-HCU-2615 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172615	A610 R 522 L5/8.4	HVA904052-J				1.0	1 3	
02C12 2	A	CRD-HCU-2619 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172619	A610 R 522 L5/8.4	HVA904052-J				1.0	1 3	
02C12 2	A	CRD-HCU-2623 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172623	A610 R 522 L5/8.4	HVA904052-J				1.0	1 3	
02C12 2	A	CRD-HCU-2627 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1172627	A610 R 522 L5/8.4	HVA904052-J				1.0	1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DBE	AHL C	F/C HOURS	C	FREQ ACCURACY	TH	HL
EC	EQUIPMENT DESCRIPTION		DRAWING							USE		
02C12 2 A	CRD-HCU-2631	CRD-SPV-1172631	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-2635	CRD-SPV-1172635	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-2639	CRD-SPV-1172639	A610	HVA904052-U				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-2643	CRD-SPV-1172643	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-2647	CRD-SPV-1172647	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-2651	CRD-SPV-1172651	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-2655	CRD-SPV-1172655	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-2659	CRD-SPV-1172659	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-3003	CRD-SPV-1173003	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-3007	CRD-SPV-1173007	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-3011	CRD-SPV-1173011	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-3015	CRD-SPV-1173015	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 L5/8.4	M528 D2								

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID OS	TEST AGE	ANL C	F/C HOURS	C C	FREQ ACCURACY	TR	HL
EC				DRAWING					USE			
02C12 2 A	CRD-HCU-3019 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173019	A610 R 522 L5/8.4	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-3023 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173023	A610 R 522 L5/8.4	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-3027 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173027	A610 R 522 L5/8.4	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-3031 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173031	A610 R 522 K2/8.4	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-3035 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173035	A610 R 522 K2/8.4	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-3039 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173039	A610 R 522 K2/8.4	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-3043 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173043	A610 R 522 K2/8.4	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-3047 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173047	A610 R 522 K2/8.4	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-3051 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173051	A610 R 522 K2/8.4	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-3055 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173055	A610 R 522 K2/8.4	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-3059 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173059	A610 R 522 K2/8.4	HVA904052-J M528 D2				1.0		1 3		
02C12 2 A	CRD-HCU-3403 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173403	A610 R 522 L5/8.4	HVA904052-J M528 D2				1.0		1 3		

Mason-Dixon Form, Inc. 14

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG. PLANT	MFG MODEL NO. LOCATION	QID ROOM	TEST DRE	ANL C	F/C HOURS	C	FREQ ACCURACY	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING								USE		
02C12 2 A	CRD-HCU-3407 SCRAM SOLENOID PILOT	CRD-SPV-1173407 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3411 SCRAM SOLENOID PILOT	CRD-SPV-1173411 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3415 SCRAM SOLENOID PILOT	CRD-SPV-1173415 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3419 SCRAM SOLENOID PILOT	CRD-SPV-1173419 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3423 SCRAM SOLENOID PILOT	CRD-SPV-1173423 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3427 SCRAM SOLENOID PILOT	CRD-SPV-1173427 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3431 SCRAM SOLENOID PILOT	CRD-SPV-1173431 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3435 SCRAM SOLENOID PILOT	CRD-SPV-1173435 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3439 SCRAM SOLENOID PILOT	CRD-SPV-1173439 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3443 SCRAM SOLENOID PILOT	CRD-SPV-1173443 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3447 SCRAM SOLENOID PILOT	CRD-SPV-1173447 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		
02C12 2 A	CRD-HCU-3451 SCRAM SOLENOID PILOT	CRD-SPV-1173451 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J	M528 D2			1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID OS	TEST DBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
EC				DRAWING					USE			
02C12 2	CRD-HCU-3455 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173455 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2	CRD-HCU-3459 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173459 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2	CRD-HCU-3803 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173803 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2	CRD-HCU-3807 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173807 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2	CRD-HCU-3811 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173811 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2	CRD-HCU-3815 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173815 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2	CRD-HCU-3819 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173819 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2	CRD-HCU-3823 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173823 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2	CRD-HCU-3827 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173827 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2	CRD-HCU-3831 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173831 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2	CRD-HCU-3835 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173835 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2	CRD-HCU-3839 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1173839 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFG. PLANT LOCATION	HFG MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH HL
		DRAWING								USE	
02C12 2	A CRD-HCU-3843	CRD-SPV-1173843 R 522 K2/8.4 SCRAM SOLENOID PILOT CRD-V-1268127	A610	HVA904052-J				1.0		1 3	
02C12 2	A CRD-HCU-3847	CRD-SPV-1173847 R 522 K2/8.4 SCRAM SOLENOID PILOT CRD-V-1268127	A610	HVA904052-J				1.0		1 3	
02C12 2	A CRD-HCU-3851	CRD-SPV-1173851 R 522 K2/8.4 SCRAM SOLENOID PILOT CRD-V-1268127	A610	HVA904052-J				1.0		1 3	
02C12 2	A CRD-HCU-3855	CRD-SPV-1173855 R 522 K2/8.4 SCRAM SOLENOID PILOT CRD-V-1268127	A610	HVA904052-J				1.0		1 3	
02C12 2	A CRD-HCU-3859	CRD-SPV-1173859 R 522 K2/8.4 SCRAM SOLENOID PILOT CRD-V-1268127	A610	HVA904052-J				1.0		1 3	
02C12 2	A CRD-HCU-4203	CRD-SPV-1174203 R 522 L5/8.4 SCRAM SOLENOID PILOT CRD-V-1268127	A610	HVA904052-J				1.0		1 3	
02C12 2	A CRD-HCU-4207	CRD-SPV-1174207 R 522 L5/8.4 SCRAM SOLENOID PILOT CRD-V-1268127	A610	HVA904052-J				1.0		1 3	
02C12 2	A CRD-HCU-4211	CRD-SPV-1174211 R 522 L5/8.4 SCRAM SOLENOID PILOT CRD-V-1268127	A610	HVA904052-J				1.0		1 3	
02C12 2	A CRD-HCU-4215	CRD-SPV-1174215 R 522 L5/8.4 SCRAM SOLENOID PILOT CRD-V-1268127	A610	HVA904052-J				1.0		1 3	
02C12 2	A CRD-HCU-4219	CRD-SPV-1174219 R 522 L5/8.4 SCRAM SOLENOID PILOT CRD-V-1268127	A610	HVA904052-J				1.0		1 3	
02C12 2	A CRD-HCU-4223	CRD-SPV-1174223 R 522 L5/8.4 SCRAM SOLENOID PILOT CRD-V-1268127	A610	HVA904052-J				1.0		1 3	
02C12 2	A CRD-HCU-4227	CRD-SPV-1174227 R 522 L5/8.4 SCRAM SOLENOID PILOT CRD-V-1268127	A610	HVA904052-J				1.0		1 3	

Murray Equipment Form, Inc. 17

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/G	C.	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	OS	ASING	DBE	C	HOURS	ACCURACY			
				DRAWING					USE			
02C12 2 A	CRD-HCU-4231 SCRAM SOLENOID PILOT	CRD-SPV-1174231	A610	HVA904052-J	R 522 K2/8.4	A		1.0		1 3		
02C12 2 A	CRD-HCU-4235 SCRAM SOLENOID PILOT	CRD-SPV-1174235	A610	HVA904052-J	R 522 K2/8.4	A		1.0		1 3		
02C12 2 A	CRD-HCU-4239 SCRAM SOLENOID PILOT	CRD-SPV-1174239	A610	HVA904052-J	R 522 K2/8.4	A		1.0		1 3		
02C12 2 A	CRD-HCU-4243 SCRAM SOLENOID PILOT	CRD-SPV-1174243	A610	HVA904052-J	R 522 K2/8.4	A		1.0		1 3		
02C12 2 A	CRD-HCU-4247 SCRAM SOLENOID PILOT	CRD-SPV-1174247	A610	HVA904052-J	R 522 K2/8.4	A		1.0		1 3		
02C12 2 A	CRD-HCU-4251 SCRAM SOLENOID PILOT	CRD-SPV-1174251	A610	HVA904052-J	R 522 K2/8.4	A		1.0		1 3		
02C12 2 A	CRD-HCU-4255 SCRAM SOLENOID PILOT	CRD-SPV-1174255	A610	HVA904052-J	R 522 K2/8.4	A		1.0		1 3		
02C12 2 A	CRD-HCU-4259 SCRAM SOLENOID PILOT	CRD-SPV-1174259	A610	HVA904052-J	R 522 K2/8.4	A		1.0		1 3		
02C12 2 A	CRD-HCU-4607 SCRAM SOLENOID PILOT	CRD-SPV-1174607	A610	HVA904052-J	R 522 L5/8.4	A		1.0		1 3		
02C12 2 A	CRD-HCU-4611 SCRAM SOLENOID PILOT	CRD-SPV-1174611	A610	HVA904052-J	R 522 L5/8.4	A		1.0		1 3		
02C12 2 A	CRD-HCU-4615 SCRAM SOLENOID PILOT	CRD-SPV-1174615	A610	HVA904052-J	R 522 L5/8.4	A		1.0		1 3		
02C12 2 A	CRD-HCU-4619 SCRAM SOLENOID PILOT	CRD-SPV-1174619	A610	HVA904052-J	R 522 L5/8.4	A		1.0		1 3		

Master Control Form, Inc. 17

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGEING	TEST DBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
02C12 2	A	CRD-HCU-4623 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174623 R 522 L5/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4627 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174627 R 522 L5/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4631 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174631 R 522 K2/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4635 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174635 R 522 K2/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4639 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174639 R 522 K2/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4643 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174643 R 522 K2/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4647 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174647 R 522 K2/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4651 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174651 R 522 K2/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4655 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1174655 R 522 K2/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-5011 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1175011 R 522 L5/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-5015 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1175015 R 522 L5/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-5019 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1175019 R 522 L5/8.4	A610 HVA904052-J				1.0		1	3	

Micro Systems Form, Inc.

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	AHL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DRAWING	OS	AGEING	DBF	HOURS	C	ACCURACY		
										USE		
02C12 2 A	CRD-HCU-5023	CRD-SPV-1175023	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4		M528 02				1.0		1.3		
02C12 2 A	CRD-HCU-5027	CRD-SPV-1175027	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4		M528 02				1.0		1.3		
02C12 2 A	CRD-HCU-5031	CRD-SPV-1175031	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4		M528 02				1.0		1.3		
02C12 2 A	CRD-HCU-5035	CRD-SPV-1175035	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4		M528 02				1.0		1.3		
02C12 2 A	CRD-HCU-5039	CRD-SPV-1175039	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4		M528 02				1.0		1.3		
02C12 2 A	CRD-HCU-5043	CRD-SPV-1175043	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4		M528 02				1.0		1.3		
02C12 2 A	CRD-HCU-5047	CRD-SPV-1175047	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4		M528 02				1.0		1.3		
02C12 2 A	CRD-HCU-5051	CRD-SPV-1175051	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4		M528 02				1.0		1.3		
02C12 2 A	CRD-HCU-5415	CRD-SPV-1175415	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRE-V-1268127	R 522 L5/8.4		M528 02				1.0		1.3		
02C12 2 A	CRD-HCU-5419	CRD-SPV-1175419	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4		M528 02				1.0		1.3		
02C12 2 A	CRD-HCU-5423	CRD-SPV-1175423	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4		M528 02				1.0		1.3		
02C12 2 A	CRD-HCU-5427	CRD-SPV-1175427	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4		M528 02				1.0		1.3		

Merrill Lynch, Pierce, Fenner & Smith, Inc.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
VNP-2 CLASS 3 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	OS	AGING	DBE	C	HOURS		ACCURACY		
												USE
02C12 2 A	CRD-HCU-5431 SCRAM SOLENOID PILOT	CRD-SPV-1175431 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J			A	1.0			1 3	
02C12 2 A	CRD-HCU-5435 SCRAM SOLENOID PILOT	CRD-SPV-1175435 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J			A	1.0			1 3	
02C12 2 A	CRD-HCU-5439 SCRAM SOLENOID PILOT	CRD-SPV-1175439 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J			A	1.0			1 3	
02C12 2 A	CRD-HCU-5443 SCRAM SOLENOID PILOT	CRD-SPV-1175443 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J			A	1.0			1 3	
02C12 2 A	CRD-HCU-5447 SCRAM SOLENOID PILOT	CRD-SPV-1175447 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J			A	1.0			1 3	
02C12 2 A	CRD-HCU-5819 SCRAM SOLENOID PILOT	CRD-SPV-1175819 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J			A	1.0			1 3	
02C12 2 A	CRD-HCU-5823 SCRAM SOLENOID PILOT	CRD-SPV-1175823 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J			A	1.0			1 3	
02C12 2 A	CRD-HCU-5827 SCRAM SOLENOID PILOT	CRD-SPV-1175827 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J			A	1.0			1 3	
02C12 2 A	CRD-HCU-5831 SCRAM SOLENOID PILOT	CRD-SPV-1175831 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J			A	1.0			1 3	
02C12 2 A	CRD-HCU-5835 SCRAM SOLENOID PILOT	CRD-SPV-1175835 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J			A	1.0			1 3	
02C12 2 A	CRD-HCU-5839 SCRAM SOLENOID PILOT	CRD-SPV-1175839 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J			A	1.0			1 3	
02C12 2 A	CRD-HCU-5843 SCRAM SOLENOID PILOT	CRD-SPV-1175843 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J			A	1.0			1 3	

Morse Brown Form, Inc. 11

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION		PLANT	LOCATION	ROOM	GS	AGING	DRG	C	HOURS	ACCURACY	
												USE
02C12 2 A	CRD-HCU-0219 SCRAM SOLENOID PILOT	CRD-SPV-1180219 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J						1.0	1 3	
02C12 2 A	CRD-HCU-0223 SCRAM SOLENOID PILOT	CRD-SPV-1180223 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J						1.0	1 3	
02C12 2 A	CRD-HCU-0227 SCRAM SOLENOID PILOT	CRD-SPV-1180227 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J						1.0	1 3	
02C12 2 A	CRD-HCU-0231 SCRAM SOLENOID PILOT	CRD-SPV-1180231 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J						1.0	1 3	
02C12 2 A	CRD-HCU-0235 SCRAM SOLENOID PILOT	CRD-SPV-1180235 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J						1.0	1 3	
02C12 2 A	CRD-HCU-0239 SCRAM SOLENOID PILOT	CRD-SPV-1180239 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J						1.0	1 3	
02C12 2 A	CRD-HCU-0243 SCRAM SOLENOID PILOT	CRD-SPV-1180243 CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J						1.0	1 3	
02C12 2 A	CRD-HCU-0615 SCRAM SOLENOID PILOT	CRD-SPV-1180615 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J						1.0	1 3	
02C12 2 A	CRD-HCU-0619 SCRAM SOLENOID PILOT	CRD-SPV-1180619 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J						1.0	1 3	
02C12 2 A	CRD-HCU-0623 SCRAM SOLENOID PILOT	CRD-SPV-1180623 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J						1.0	1 3	
02C12 2 A	CRD-HCU-0627 SCRAM SOLENOID PILOT	CRD-SPV-1180627 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J						1.0	1 3	
02C12 2 A	CRD-HCU-0631 SCRAM SOLENOID PILOT	CRD-SPV-1180631 CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J						1.0	1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
EC				DRAWING						USE		
02C12 2 A	CRD-HCU-0635	CRD-SPV-1180635 R 522 K2/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-0639	CRD-SPV-1180639 R 522 K2/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-0643	CRD-SPV-1180643 R 522 K2/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-0647	CRD-SPV-1180647 R 522 K2/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-1011	CRD-SPV-1181011 R 522 L5/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-1015	CRD-SPV-1181015 R 522 L9/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-1019	CRD-SPV-1181019 R 522 L5/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-1023	CRD-SPV-1181023 R 522 L5/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-1027	CRD-SPV-1181027 R 522 L5/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-1031	CRD-SPV-1181031 R 522 L5/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-1035	CRD-SPV-1181035 R 522 K2/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								
02C12 2 A	CRD-HCU-1039	CRD-SPV-1181039 R 522 K2/8.4	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2								

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	NFB PLANT LOCATION	NFB MODEL NO. ROOM	Q10 Q5	TEST DBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
EC	EQUIPMENT DESCRIPTION		DRAWING						USE			
02C12 2 A	CRD-HCU-1043 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181043 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1047 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181047 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1051 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181051 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1407 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181407 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1411 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181411 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1415 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181415 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1419 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181419 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1423 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181423 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1427 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181427 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1431 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181431 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1435 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181435 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-1439 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1181439 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION		PLANT LOCATION	ROOM	OS	AGING	DBE	HOURS	ACCURACY			
										USE		
02C12 2 A	CRD-HCU-1443	CRD-SPV-1181443	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-1447	CRD-SPV-1181447	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-1451	CRD-SPV-1181451	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-1455	CRD-SPV-1181455	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-1803	CRD-SPV-1181803	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1807	CRD-SPV-1181807	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1811	CRD-SPV-1181811	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1815	CRD-SPV-1181815	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1819	CRD-SPV-1181819	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1823	CRD-SPV-1181823	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1827	CRD-SPV-1181827	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-1831	CRD-SPV-1181831	A610	HVA904052-J				1.0		1.3		
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528 D2								

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT	MFG. MODEL NO. LOCATION	QID ROOM	TEST DBE	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
EC					DS	AGING					
				DRAWING							USE
02C12 2 A	CRD-HCU-1835	CRD-SPV-1181835 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2							
02C12 2 A	CRD-HCU-1839	CRD-SPV-1181839 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2							
02C12 2 A	CRD-HCU-1843	CRD-SPV-1181843 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2							
02C12 2 A	CRD-HCU-1847	CRD-SPV-1181847 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2							
02C12 2 A	CRD-HCU-1851	CRD-SPV-1181851 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2							
02C12 2 A	CRD-HCU-1855	CRD-SPV-1181855 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2							
02C12 2 A	CRD-HCU-1859	CRD-SPV-1181859 R 522 K2/8.4	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2							
02C12 2 A	CRD-HCU-2203	CRD-SPV-1182203 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2							
02C12 2 A	CRD-HCU-2207	CRD-SPV-1182207 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2							
02C12 2 A	CRD-HCU-2211	CRD-SPV-1182211 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2							
02C12 2 A	CRD-HCU-2215	CRD-SPV-1182215 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2							
02C12 2 A	CRD-HCU-2219	CRD-SPV-1182219 R 522 L5/8.4	A610	HVA904052-J				1.0		1 3	
	SCRAM SOLENOID PILOT	CRD-V-1268127		M528 D2							

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT-LOCATION	MFG MODEL NO. ROOM	QID Q3	TEST OBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-2223 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182223	A610 R 522 L5/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-2227 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182227	A610 R 522 L5/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-2231 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182231	A610 R 522 L5/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-2235 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182235	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-2239 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182239	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-2243 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182243	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-2247 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182247	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-2251 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182251	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-2255 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182255	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-2259 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182259	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-2603 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182603	A610 R 522 L5/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-2607 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1182607	A610 R 522 L5/8.4	HVA904052-J				1.0		1 3		

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CONTRACT LV	COMPSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HPG PLANT LOCATION	HPG MODEL NO. ROOM	Q10 Q5	TEST AGEING	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
02C12 2 A	CRD-HCU-2611	CRD-SPV-1182611 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J				1.0		1.3	
02C12 2 A	CRD-HCU-2615	CRD-SPV-1182615 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J				1.0		1.3	
02C12 2 A	CRD-HCU-2619	CRD-SPV-1182619 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J				1.0		1.3	
02C12 2 A	CRD-HCU-2623	CRD-SPV-1182623 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J				1.0		1.3	
02C12 2 A	CRD-HCU-2627	CRD-SPV-1182627 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J				1.0		1.3	
02C12 2 A	CRD-HCU-2631	CRD-SPV-1182631 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J				1.0		1.3	
02C12 2 A	CRD-HCU-2635	CRD-SPV-1182635 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J				1.0		1.3	
02C12 2 A	CRD-HCU-2639	CRD-SPV-1182639 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J				1.0		1.3	
02C12 2 A	CRD-HCU-2643	CRD-SPV-1182643 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J				1.0		1.3	
02C12 2 A	CRD-HCU-2647	CRD-SPV-1182647 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J				1.0		1.3	
02C12 2 A	CRD-HCU-2651	CRD-SPV-1182651 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J				1.0		1.3	
02C12 2 A	CRD-HCU-2655	CRD-SPV-1182655 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J				1.0		1.3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	QS	AGING	OBE	C	HOURS	ACCURACY			
		DRAWING							USE			
02C12 2 A	CRD-HCU-2659	CRD-SPV-1182659	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-3003	CRD-SPV-1183003	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-3007	CRD-SPV-1183007	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-3011	CRD-SPV-1183011	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-3015	CRD-SPV-1183015	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-3019	CRD-SPV-1183019	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-3023	CRD-SPV-1183023	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-3027	CRD-SPV-1183027	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 L5/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-3031	CRD-SPV-1183031	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-3035	CRD-SPV-1183035	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-3039	CRD-SPV-1183039	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		
02C12 2 A	CRD-HCU-3043	CRD-SPV-1183043	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127	R 522 K2/8.4	M528	D2				1.0		1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TM	HL
EC			PLANT LOCATION	ROOM	OS	AGING	ORE	HOURS		ACCURACY		
										USE		
02C12 2 A	CRD-HCU-3047 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183047	A610	HVA904052-J				1.0		1 3		
			R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-3051 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183051	A610	HVA904052-J				1.0		1 3		
			R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-3055 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183055	A610	HVA904052-J				1.0		1 3		
			R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-3059 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183059	A610	HVA904052-J				1.0		1 3		
			R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-3403 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183403	A610	HVA904052-J				1.0		1 3		
			R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-3407 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183407	A610	HVA904052-J				1.0		1 3		
			R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-3411 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183411	A610	HVA904052-J				1.0		1 3		
			R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-3415 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183415	A610	HVA904052-J				1.0		1 3		
			R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-3419 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183419	A610	HVA904052-J				1.0		1 3		
			R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-3423 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183423	A610	HVA904052-J				1.0		1 3		
			R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-3427 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183427	A610	HVA904052-J				1.0		1 3		
			R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-3431 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1183431	A610	HVA904052-J				1.0		1 3		
			R 522 K2/8.4	M528 D2								

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CONTRACT LV.	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	BID	TEST	ANL	F/O	C	FREQ	TM	HL
EC	EQUIPMENT DESCRIPTION		PLANT LOCATION	ROOM	OS	AGNR	DBF	C	HOURS	ACCURACY		
												USE
02C12 2 A	CRD-HCU-3435	CRD-SPV-1183435	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528	D2				1.0		1.3	
02C12 2 A	CRD-HCU-3439	CRD-SPV-1183439	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528	D2				1.0		1.3	
02C12 2 A	CRD-HCU-3443	CRD-SPV-1183443	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528	D2				1.0		1.3	
02C12 2 A	CRD-HCU-3447	CRD-SPV-1183447	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528	D2				1.0		1.3	
02C12 2 A	CRD-HCU-3451	CRD-SPV-1183451	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528	D2				1.0		1.3	
02C12 2 A	CRD-HCU-3455	CRD-SPV-1183455	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528	D2				1.0		1.3	
02C12 2 A	CRD-HCU-3459	CRD-SPV-1183459	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 K2/8.4	M528	D2				1.0		1.3	
02C12 2 A	CRD-HCU-3803	CRD-SPV-1183803	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528	D2				1.0		1.3	
02C12 2 A	CRD-HCU-3807	CRD-SPV-1183807	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528	D2				1.0		1.3	
02C12 2 A	CRD-HCU-3811	CRD-SPV-1183811	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528	D2				1.0		1.3	
02C12 2 A	CRD-HCU-3815	CRD-SPV-1183815	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528	D2				1.0		1.3	
02C12 2 A	CRD-HCU-3819	CRD-SPV-1183819	A610	HVA904052-J								
	SCRAM SOLENOID PILOT CRD-V-1268127		R 522 L5/8.4	M528	D2				1.0		1.3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	PLANT LOCATION	ROOM	Q3	QID	TEST	ANL	F/O	C	FREQ	TM	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	AGING	DBE	C	HOURS	ACCURACY	USE							
02C12 2 A	CRD-HCU-3823	CRD-SPV-1183823	A610	HVA904052-J	R 522 L5/8.4								1.0		1 3
	SCRAM SOLENOID PILOT CRD-V-1268127			M528 D2											
02C12 2 A	CRD-HCU-3827	CRD-SPV-1183827	A610	HVA904052-J	R 522 L5/8.4								1.0		1 3
	SCRAM SOLENOID PILOT CRD-V-1268127			M528 D2											
02C12 2 A	CRD-HCU-3831	CRD-SPV-1183831	A610	HVA904052-J	R 522 K2/8.4								1.0		1 3
	SCRAM SOLENOID PILOT CRD-V-1268127			M528 D2											
02C12 2 A	CRD-HCU-3835	CRD-SPV-1183835	A610	HVA904052-J	R 522 K2/8.4								1.0		1 3
	SCRAM SOLENOID PILOT CRD-V-1268127			M528 D2											
02C12 2 A	CRD-HCU-3839	CRD-SPV-1183839	A610	HVA904052-J	R 522 K2/8.4								1.0		1 3
	SCRAM SOLENOID PILOT CRD-V-1268127			M528 D2											
02C12 2 A	CRD-HCU-3843	CRD-SPV-1183843	A610	HVA904052-J	R 522 K2/8.4								1.0		1 3
	SCRAM SOLENOID PILOT CRD-V-1268127			M528 D2											
02C12 2 A	CRD-HCU-3847	CRD-SPV-1183847	A610	HVA904052-J	R 522 K2/8.4								1.0		1 3
	SCRAM SOLENOID PILOT CRD-V-1268127			M528 D2											
02C12 2 A	CRD-HCU-3851	CRD-SPV-1183851	A610	HVA904052-J	R 522 K2/8.4								1.0		1 3
	SCRAM SOLENOID PILOT CRD-V-1268127			M528 D2											
02C12 2 A	CRD-HCU-3855	CRD-SPV-1183855	A610	HVA904052-J	R 522 K2/8.4								1.0		1 3
	SCRAM SOLENOID PILOT CRD-V-1268127			M528 D2											
02C12 2 A	CRD-HCU-3859	CRD-SPV-1183859	A610	HVA904052-J	R 522 K2/8.4								1.0		1 3
	SCRAM SOLENOID PILOT CRD-V-1268127			M528 D2											
02C12 2 A	CRD-HCU-4203	CRD-SPV-1184203	A610	HVA904052-J	R 522 L5/8.4								1.0		1 3
	SCRAM SOLENOID PILOT CRD-V-1268127			M528 D2											
02C12 2 A	CRD-HCU-4207	CRD-SPV-1184207	A610	HVA904052-J	R 522 L5/8.4								1.0		1 3
	SCRAM SOLENOID PILOT CRD-V-1268127			M528 D2											

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CONTRACT LV.	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	AS	AGING	DBE	C	HOURS	ACCURACY			
		DRAWING							USE			
02C12 2 A	CRD-HCU-4211	CRD-SPV-1184211	A610	HVA904052-J								
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1	3	
02C12 2 A	CRD-HCU-4215	CRD-SPV-1184215	A610	HVA904052-J								
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1	3	
02C12 2 A	CRD-HCU-4219	CRD-SPV-1184219	A610	HVA904052-J								
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1	3	
02C12 2 A	CRD-HCU-4223	CRD-SPV-1184223	A610	HVA904052-J								
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1	3	
02C12 2 A	CRD-HCU-4227	CRD-SPV-1184227	A610	HVA904052-J								
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 L5/8.4	M528 D2				1.0		1	3	
02C12 2 A	CRD-HCU-4231	CRD-SPV-1184231	A610	HVA904052-J								
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1	3	
02C12 2 A	CRD-HCU-4235	CRD-SPV-1184235	A610	HVA904052-J								
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1	3	
02C12 2 A	CRD-HCU-4239	CRD-SPV-1184239	A610	HVA904052-J								
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1	3	
02C12 2 A	CRD-HCU-4243	CRD-SPV-1184243	A610	HVA904052-J								
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1	3	
02C12 2 A	CRD-HCU-4247	CRD-SPV-1184247	A610	HVA904052-J								
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1	3	
02C12 2 A	CRD-HCU-4251	CRD-SPV-1184251	A610	HVA904052-J								
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1	3	
02C12 2 A	CRD-HCU-4255	CRD-SPV-1184255	A610	HVA904052-J								
	SCRAM SOLENOID PILOT	CRD-V-1268127	R 522 K2/8.4	M528 D2				1.0		1	3	

WNP-2 Class 1 Equipment List

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CONTRACT LV	COMPSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID Q5	TEST DHE	ANL C	F/O HOURS	C.	FREQ ACCURACY	TH	HL
DRAWING												
USE												
02C12 2	A	CRD-HCU-4259 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1184259 R 522 K2/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4607 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1184607 R 522 L5/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4611 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1184611 R 522 L5/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4615 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1184615 R 522 L5/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4619 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1184619 R 522 L5/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4623 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1184623 R 522 L5/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4627 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1184627 R 522 L5/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4631 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1184631 R 522 K2/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4635 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1184635 R 522 K2/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4639 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1184639 R 522 K2/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4643 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1184643 R 522 K2/8.4	A610 HVA904052-J				1.0		1	3	
02C12 2	A	CRD-HCU-4647 SCRAM SOLENOID PILOT CRD-V-1268127	CRD-SPV-1184647 R 522 K2/8.4	A610 HVA904052-J				1.0		1	3	

Morse Battery Farms, Inc. NY

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID QS	TEST AGING	AHL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-4651	CRD-SPV-1184651	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT	CRD-V-126&127	R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-4655	CRD-SPV-1184655	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT	CRD-V-126&127	R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-5011	CRD-SPV-1185011	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT	CRD-V-126&127	R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-5015	CRD-SPV-1185015	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT	CRD-V-126&127	R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-5019	CRD-SPV-1185019	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT	CRD-V-126&127	R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-5023	CRD-SPV-1185023	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT	CRD-V-126&127	R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-5027	CRD-SPV-1185027	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT	CRD-V-126&127	R 522 L5/8.4	M528 D2								
02C12 2 A	CRD-HCU-5031	CRD-SPV-1185031	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT	CRD-V-126&127	R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-5035	CRD-SPV-1185035	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT	CRD-V-126&127	R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-5039	CRD-SPV-1185039	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT	CRD-V-126&127	R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-5043	CRD-SPV-1185043	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT	CRD-V-126&127	R 522 K2/8.4	M528 D2								
02C12 2 A	CRD-HCU-5047	CRD-SPV-1185047	A610	HVA904052-J				1.0		1 3		
	SCRAM SOLENOID PILOT	CRD-V-126&127	R 522 K2/8.4	M528 D2								

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QTD	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	OS	AGING	DBE	C	HOURS		ACCURACY		
												USE
02C12 2 A	CRD-HCU-5051 SCRAM SOLENOID PILOT	CRD-SPV-1185051	A610	HVA904052-J				1.0				1 3
		R 522 K2/8.4		M528 D2								
02C12 2 A	CRD-HCU-5415 SCRAM SOLENOID PILOT	CRD-SPV-1185415	A610	HVA904052-J				1.0				1 3
		R 522 L5/8.4		M528 D2								
02C12 2 A	CRD-HCU-5419 SCRAM SOLENOID PILOT	CRD-SPV-1185419	A610	HVA904052-J				1.0				1 3
		R 522 L5/8.4		M528 D2								
02C12 2 A	CRD-HCU-5423 SCRAM SOLENOID PILOT	CRD-SPV-1185423	A610	HVA904052-J				1.0				1 3
		R 522 L5/8.4		M528 D2								
02C12 2 A	CRD-HCU-5427 SCRAM SOLENOID PILOT	CRD-SPV-1185427	A610	HVA904052-J				1.0				1 3
		R 522 L5/8.4		M528 D2								
02C12 2 A	CRD-HCU-5431 SCRAM SOLENOID PILOT	CRD-SPV-1185431	A610	HVA904052-J				1.0				1 3
		R 522 K2/8.4		M528 D2								
02C12 2 A	CRD-HCU-5435 SCRAM SOLENOID PILOT	CRD-SPV-1185435	A610	HVA904052-J				1.0				1 3
		R 522 K2/8.4		M528 D2								
02C12 2 A	CRD-HCU-5439 SCRAM SOLENOID PILOT	CRD-SPV-1185439	A610	HVA904052-J				1.0				1 3
		R 522 K2/8.4		M528 D2								
02C12 2 A	CRD-HCU-5443 SCRAM SOLENOID PILOT	CRD-SPV-1185443	A610	HVA904052-J				1.0				1 3
		R 522 K2/8.4		M528 D2								
02C12 2 A	CRD-HCU-5447 SCRAM SOLENOID PILOT	CRD-SPV-1185447	A610	HVA904052-J				1.0				1 3
		R 522 K2/8.4		M528 D2								
02C12 2 A	CRD-HCU-5819 SCRAM SOLENOID PILOT	CRD-SPV-1185819	A610	HVA904052-J				1.0				1 3
		R 522 L5/8.4		M528 D2								
02C12 2 A	CRD-HCU-5823 SCRAM SOLENOID PILOT	CRD-SPV-1185823	A610	HVA904052-J				1.0				1 3
		R 522 L5/8.4		M528 D2								

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CONTRACT LV	COMPSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AS	TEST DBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
02C12 2 A	CRD-HCU-5827	CRD-SPV-1185827 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 L5/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-5831	CRD-SPV-1185831 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-5835	CRD-SPV-1185835 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-5839	CRD-SPV-1185839 SCRAM SOLENOID PILOT CRD-V-1266127	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-HCU-5843	CRD-SPV-1185843 SCRAM SOLENOID PILOT CRD-V-1268127	A610 R 522 K2/8.4	HVA904052-J				1.0		1 3		
02C12 2 A	CRD-IR-3	CRD-SPV-9 1.5" SOLENOID CAS TO CRD-V-10	A499 R 528 N.0/3.5	HT832322				1.0		1 3		
02C12 2 G	CRD-HCU-0219	CRD-SV-120/0219 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-0223	CRD-SV-120/0223 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-0227	CRD-SV-120/0227 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-0231	CRD-SV-120/0231 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-0235	CRD-SV-120/0235 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-0239	CRD-SV-120/0239 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		

Morse Equipment Form, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WWP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	AKL	F/O	C	FREQ	TH	HL
EC	SAFETY FUNCTION	PLANT LOCATION	ROOM	OS	AGING	DBE	C	HOURS	ACCURACY	USE		
	EQUIPMENT DESCRIPTION	DRAWING										
02C12 2 G	CRD-HCU-0243	CRD-SV-120/0243	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-0615	CRD-SV-120/0615	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-0619	CRD-SV-120/0619	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-0623	CRD-SV-120/0623	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-0627	CRD-SV-120/0627	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-0631	CRD-SV-120/0631	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-0635	CRD-SV-120/0635	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-0639	CRD-SV-120/0639	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-0643	CRD-SV-120/0643	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-0647	CRD-SV-120/0647	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-1011	CRD-SV-120/1011	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B			4320		1 3		
02C12 2 G	CRD-HCU-1015	CRD-SV-120/1015	A610	HVA1709662A								
	.5"SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B			4320		1 3		

MAGNETIC RECORDING, INC. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WNP-2 CLASS 3 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	AHL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DRAWING	OS	AGE	DBE	C	HOURS	ACCURACY		
02C12 2 G	CRD-HCU-1019	CRD-SV-120/1019	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B							
02C12 2 G	CRD-HCU-1023	CRD-SV-120/1023	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B							
02C12 2 G	CRD-HCU-1027	CRD-SV-120/1027	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B							
02C12 2 G	CRD-HCU-1031	CRD-SV-120/1031	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B							
02C12 2 G	CRD-HCU-1035	CRD-SV-120/1035	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B							
02C12 2 G	CRD-HCU-1039	CRD-SV-120/1039	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B							
02C12 2 G	CRD-HCU-1043	CRD-SV-120/1043	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B							
02C12 2 G	CRD-HCU-1047	CRD-SV-120/1047	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B							
02C12 2 G	CRD-HCU-1051	CRD-SV-120/1051	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B							
02C12 2 G	CRD-HCU-1407	CRD-SV-120/1407	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B							
02C12 2 G	CRD-HCU-1411	CRD-SV-120/1411	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B							
02C12 2 G	CRD-HCU-1415	CRD-SV-120/1415	A610	HVA1709662A						4320	1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B							

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QTY	TEST AGING	ANL C	F/C HOURS	C	FREQ ACCURACY	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING										USE
02C12 2 G	CRD-HCU-1419 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1419 R 522 L5/8.4	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1423 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1423 R 522 L5/8.4	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1427 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1427 R 522 L5/8.4	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1431 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1431 R 522 L5/8.4	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1435 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1435 R 522 K2/8.4	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1439 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1439 R 522 K2/8.4	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1443 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1443 R 522 K2/8.4	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1447 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1447 R 522 K2/8.4	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1451 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1451 R 522 K2/8.4	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1455 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1455 R 522 K2/8.4	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1803 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1803 R 522 L5/8.4	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-1807 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1807 R 522 L5/8.4	A610	HVA1709662A	B			4320		1 3		

WASHINGTON PUBLIC WATER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGEING	TEST DBE	ANL C	F/C HOURS	C	FREQ ACCURACY	TM	HL
EC			DRAWING						USE			
02C12 2 G	CRD-HCU-1811 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1811	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-1815 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1815	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-1819 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1819	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-1823 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1823	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-1827 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1827	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-1831 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1831	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-1835 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1835	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-1839 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1839	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-1843 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1843	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-1847 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1847	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-1851 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1851	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		
02C12 2 G	CRD-HCU-1855 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/1855	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		

Water Resources Forum, Inc. LV

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DRE	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
02C12 2 G	CRD-HCU-1859	CRD-SV-120/1859 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2203	CRD-SV-120/2203 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2207	CRD-SV-120/2207 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2211	CRD-SV-120/2211 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2215	CRD-SV-120/2215 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2219	CRD-SV-120/2219 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2223	CRD-SV-120/2223 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2227	CRD-SV-120/2227 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2231	CRD-SV-120/2231 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2235	CRD-SV-120/2235 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2239	CRD-SV-120/2239 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2243	CRD-SV-120/2243 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A	B			4320		1 3		

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WHP-2 CLASS EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	HFG. PLANT LOCATION	HFG MODEL NO. ROOM	QID AGING	TEST OBS	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
EC				DRAWING					USE			
02C12 2 G	CRD-HCU-2247 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2247	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2251 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2251	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2255 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2255	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2259 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2259	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2603 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2603	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2607 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2607	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2611 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2611	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2615 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2615	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2619 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2619	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2623 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2623	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2627 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2627	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		
02C12 2 G	CRD-HCU-2631 .5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2631	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3		

Manning-Bassett Form, Inc. 81

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TM	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	OS	AGING	DBE	C	HOURS	USE	ACCURACY		
02C12 2 G	CRD-HCU-2635 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2635	A610	HVA1709662A R 522 K2/8.4			B	4320		1	3	
02C12 2 G	CRD-HCU-2639 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2639	A610	HVA1709662A R 522 K2/8.4			B	4320		1	3	
02C12 2 G	CRD-HCU-2643 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2643	A610	HVA1709662A R 522 K2/8.4			B	4320		1	3	
02C12 2 G	CRD-HCU-2647 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2647	A610	HVA1709662A R 522 K2/8.4			B	4320		1	3	
02C12 2 G	CRD-HCU-2651 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2651	A610	HVA1709662A R 522 K2/8.4			B	4320		1	3	
02C12 2 G	CRD-HCU-2655 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2655	A610	HVA1709662A R 522 K2/8.4			B	4320		1	3	
02C12 2 G	CRD-HCU-2659 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/2659	A610	HVA1709662A R 522 K2/8.4			B	4320		1	3	
02C12 2 G	CRD-HCU-3003 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/3003	A610	HVA1709662A R 522 L5/8.4			B	4320		1	3	
02C12 2 G	CRD-HCU-3007 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/3007	A610	HVA1709662A R 522 L5/8.4			B	4320		1	3	
02C12 2 G	CRD-HCU-3011 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/3011	A610	HVA1709662A R 522 L5/8.4			B	4320		1	3	
02C12 2 G	CRD-HCU-3015 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/3015	A610	HVA1709662A R 522 L5/8.4			B	4320		1	3	
02C12 2 G	CRD-HCU-3019 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/3019	A610	HVA1709662A R 522 L5/8.4			B	4320		1	3	

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WASHINGTON PUBLIC WATER SUPPLY SYSTEM
 WWP-2 CLASSIFICATION EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID OS	TEST DBE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH HL
02C12 2 G	CRD-HCU-3023	CRD-SV-120/3023	A610	HVA1709662A							
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4					4320		1 3	
02C12 2 G	CRD-HCU-3027	CRD-SV-120/3027	A610	HVA1709662A							
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4					4320		1 3	
02C12 2 G	CRD-HCU-3031	CRD-SV-120/3031	A610	HVA1709662A							
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4					4320		1 3	
02C12 2 G	CRD-HCU-3035	CRD-SV-120/3035	A610	HVA1709662A							
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4					4320		1 3	
02C12 2 G	CRD-HCU-3039	CRD-SV-120/3039	A610	HVA1709662A							
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4					4320		1 3	
02C12 2 G	CRD-HCU-3043	CRD-SV-120/3043	A610	HVA1709662A							
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4					4320		1 3	
02C12 2 G	CRD-HCU-3047	CRD-SV-120/3047	A610	HVA1709662A							
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4					4320		1 3	
02C12 2 G	CRD-HCU-3051	CRD-SV-120/3051	A610	HVA1709662A							
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4					4320		1 3	
02C12 2 G	CRD-HCU-3055	CRD-SV-120/3055	A610	HVA1709662A							
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4					4320		1 3	
02C12 2 G	CRD-HCU-3059	CRD-SV-120/3059	A610	HVA1709662A							
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 K2/8.4					4320		1 3	
02C12 2 G	CRD-HCU-3403	CRD-SV-120/3403	A610	HVA1709662A							
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4					4320		1 3	
02C12 2 G	CRD-HCU-3407	CRD-SV-120/3407	A610	HVA1709662A							
	.5" SOLENOID WITHDRAW EXHAUST VALVE		R 522 L5/8.4					4320		1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	HFC PLANT LOCATION	HFC MODEL NO. ROOM	Q10 DS	TEST AGE	ANL OBE	F/O HOURS	C ACCURACY	FREQ TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING							USE		
02C12 2 G	CRD-HCU-3411	CRD-SV-120/3411	A610	HVA1709662A				4320		1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B						
02C12 2 G	CRD-HCU-3415	CRD-SV-120/3415	A610	HVA1709662A				4320		1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B						
02C12 2 G	CRD-HCU-3419	CRD-SV-120/3419	A610	HVA1709662A				4320		1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B						
02C12 2 G	CRD-HCU-3423	CRD-SV-120/3423	A610	HVA1709662A				4320		1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B						
02C12 2 G	CRD-HCU-3427	CRD-SV-120/3427	A610	HVA1709662A				4320		1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B						
02C12 2 G	CRD-HCU-3431	CRD-SV-120/3431	A610	HVA1709662A				4320		1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B						
02C12 2 G	CRD-HCU-3435	CRD-SV-120/3435	A610	HVA1709662A				4320		1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B						
02C12 2 G	CRD-HCU-3439	CRD-SV-120/3439	A610	HVA1709662A				4320		1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B						
02C12 2 G	CRD-HCU-3443	CRD-SV-120/3443	A610	HVA1709662A				4320		1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B						
02C12 2 G	CRD-HCU-3447	CRD-SV-120/3447	A610	HVA1709662A				4320		1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B						
02C12 2 G	CRD-HCU-3451	CRD-SV-120/3451	A610	HVA1709662A				4320		1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B						
02C12 2 G	CRD-HCU-3455	CRD-SV-120/3455	A610	HVA1709662A				4320		1 3	
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B						

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DRAWING	OS	AGNO	DBE	C	HOURS	ACCURACY		
									USE			
02C12 2 6	CRD-HCU-3459	CRD-SV-120/3459	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B				4320		1 3	
02C12 2 6	CRD-HCU-3803	CRD-SV-120/3803	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B				4320		1 3	
02C12 2 6	CRD-HCU-3807	CRD-SV-120/3807	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B				4320		1 3	
02C12 2 6	CRD-HCU-3811	CRD-SV-120/3811	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B				4320		1 3	
02C12 2 6	CRD-HCU-3815	CRD-SV-120/3815	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B				4320		1 3	
02C12 2 6	CRD-HCU-3819	CRD-SV-120/3819	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B				4320		1 3	
02C12 2 6	CRD-HCU-3823	CRD-SV-120/3823	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B				4320		1 3	
02C12 2 6	CRD-HCU-3827	CRD-SV-120/3827	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 L5/8.4			B				4320		1 3	
02C12 2 6	CRD-HCU-3831	CRD-SV-120/3831	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B				4320		1 3	
02C12 2 6	CRD-HCU-3835	CRD-SV-120/3835	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B				4320		1 3	
02C12 2 6	CRD-HCU-3839	CRD-SV-120/3839	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B				4320		1 3	
02C12 2 6	CRD-HCU-3843	CRD-SV-120/3843	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW EXHAUST VALVE	R 522 K2/8.4			B				4320		1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT	MFG MODEL NO. LOCATION	QID ROOM	TEST AGING	ANL DBE	F/O C	FREQ HOURS	TH ACCURACY	HL
		DRAWING							USE		
02C12 2 G	CRD-HCU-3847	CRD-SV-120/3847 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A					4320	1 3	
02C12 2 G	CRD-HCU-3851	CRD-SV-120/3851 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A					4320	1 3	
02C12 2 G	CRD-HCU-3855	CRD-SV-120/3855 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A					4320	1 3	
02C12 2 G	CRD-HCU-3859	CRD-SV-120/3859 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A					4320	1 3	
02C12 2 G	CRD-HCU-4203	CRD-SV-120/4203 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A					4320	1 3	
02C12 2 G	CRD-HCU-4207	CRD-SV-120/4207 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A					4320	1 3	
02C12 2 G	CRD-HCU-4211	CRD-SV-120/4211 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A					4320	1 3	
02C12 2 G	CRD-HCU-4215	CRD-SV-120/4215 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A					4320	1 3	
02C12 2 G	CRD-HCU-4219	CRD-SV-120/4219 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A					4320	1 3	
02C12 2 G	CRD-HCU-4223	CRD-SV-120/4223 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A					4320	1 3	
02C12 2 G	CRD-HCU-4227	CRD-SV-120/4227 R 522 L5/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A					4320	1 3	
02C12 2 G	CRD-HCU-4231	CRD-SV-120/4231 R 522 K2/8.4 .5"SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A					4320	1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	HFG. PLANT LOCATION	HFG MODEL NO. ROOM	QID OS	TEST AGEING	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
EC	EQUIPMENT DESCRIPTION		DRAWING		USE							
02C12 2 G	CRD-HCU-4235	CRD-SV-120/4235	A610	HVA1709662A R 522 K2/8.4	B			4320		1	3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		G									
02C12 2 G	CRD-HCU-4239	CRD-SV-120/4239	A610	HVA1709662A R 522 K2/8.4	B			4320		1	3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		G									
02C12 2 G	CRD-HCU-4243	CRD-SV-120/4243	A610	HVA1709662A R 522 K2/8.4	B			4320		1	3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		G									
02C12 2 G	CRD-HCU-4247	CRD-SV-120/4247	A610	HVA1709662A R 522 K2/8.4	B			4320		1	3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		G									
02C12 2 G	CRD-HCU-4251	CRD-SV-120/4251	A610	HVA1709662A R 522 K2/8.4	B			4320		1	3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		G									
02C12 2 G	CRD-HCU-4255	CRD-SV-120/4255	A610	HVA1709662A R 522 K2/8.4	B			4320		1	3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		G									
02C12 2 G	CRD-HCU-4259	CRD-SV-120/4259	A610	HVA1709662A R 522 K2/8.4	B			4320		1	3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		G									
02C12 2 G	CRD-HCU-4607	CRD-SV-120/4607	A610	HVA1709662A R 522 L5/8.4	B			4320		1	3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		G									
02C12 2 G	CRD-HCU-4611	CRD-SV-120/4611	A610	HVA1709662A R 522 L5/8.4	B			4320		1	3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		G									
02C12 2 G	CRD-HCU-4615	CRD-SV-120/4615	A610	HVA1709662A R 522 L5/8.4	B			4320		1	3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		G									
02C12 2 G	CRD-HCU-4619	CRD-SV-120/4619	A610	HVA1709662A R 522 L5/8.4	B			4320		1	3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		G									
02C12 2 G	CRD-HCU-4623	CRD-SV-120/4623	A610	HVA1709662A R 522 L5/8.4	B			4320		1	3	
	.5"SOLENOID WITHDRAW EXHAUST VALVE		G									

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	HPG PLANT LOCATION	HPG MODEL NO. ROOM	QID Q5	TEST AGE DRE	ANL C	F/O HOURS	C	FREQ ACCURACY	IN HL
EC	EQUIPMENT DESCRIPTION	DRAWING								USE	
02C12 2 G	CRD-HCU-4627 5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4627	A610 R 522 L5/8.4	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-4631 5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4631	A610 R 522 K2/8.4	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-4635 5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4635	A610 R 522 K2/8.4	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-4639 5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4639	A610 R 522 K2/8.4	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-4643 5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4643	A610 R 522 K2/8.4	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-4647 5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4647	A610 R 522 K2/8.4	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-4651 5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4651	A610 R 522 K2/8.4	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-4655 5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/4655	A610 R 522 K2/8.4	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-5011 5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5011	A610 R 522 L5/8.4	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-5015 5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5015	A610 R 522 L5/8.4	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-5019 5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5019	A610 R 522 L5/8.4	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-5023 5" SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5023	A610 R 522 L5/8.4	HVA1709662A				4320		1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG MODEL NO. PLANT LOCATION DRAWING	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC				ROOM	AS	AGING	OBE	HOURS	ACCURACY			
									USE			
02C12 2 6	CRD-HCU-5027 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5027	A610	HVA1709662A R 522 L5/8.4				4320	1	3		
02C12 2 6	CRD-HCU-5031 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5031	A610	HVA1709662A R 522 K2/8.4				4320	1	3		
02C12 2 6	CRD-HCU-5035 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5035	A610	HVA1709662A R 522 K2/8.4				4320	1	3		
02C12 2 6	CRD-HCU-5039 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5039	A610	HVA1709662A R 522 K2/8.4				4320	1	3		
02C12 2 6	CRD-HCU-5043 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5043	A610	HVA1709662A R 522 K2/8.4				4320	1	3		
02C12 2 6	CRD-HCU-5047 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5047	A610	HVA1709662A R 522 K2/8.4				4320	1	3		
02C12 2 6	CRD-HCU-5051 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5051	A610	HVA1709662A R 522 K2/8.4				4320	1	3		
02C12 2 6	CRD-HCU-5415 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5415	A610	HVA1709662A R 522 L5/8.4				4320	1	3		
02C12 2 6	CRD-HCU-5419 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5419	A610	HVA1709662A R 522 L5/8.4				4320	1	3		
02C12 2 6	CRD-HCU-5423 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5423	A610	HVA1709662A R 522 L5/8.4				4320	1	3		
02C12 2 6	CRD-HCU-5427 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5427	A610	HVA1709662A R 522 L5/8.4				4320	1	3		
02C12 2 6	CRD-HCU-5431 .5"SOLENOID WITHDRAW EXHAUST VALVE	CRD-SV-120/5431	A610	HVA1709662A R 522 K2/8.4				4320	1	3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT	MFG. MODEL NO. LOCATION	ROOM	OS	QID AGING	TEST DRF	ANL C	F/O HOURS	C ACCURACY	FREQ USE	TM HL
02C12 2 6	CRD-HCU-5435	CRD-SV-120/5435 R 522 K2/8.4 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A						4320		1 3	
02C12 2 6	CRD-HCU-5439	CRD-SV-120/5439 R 522 K2/8.4 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A						4320		1 3	
02C12 2 6	CRD-HCU-5443	CRD-SV-120/5443 R 522 K2/8.4 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A						4320		1 3	
02C12 2 6	CRD-HCU-5447	CRD-SV-120/5447 R 522 K2/8.4 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A						4320		1 3	
02C12 2 6	CRD-HCU-5819	CRD-SV-120/5819 R 522 L5/8.4 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A						4320		1 3	
02C12 2 6	CRD-HCU-5823	CRD-SV-120/5823 R 522 L5/8.4 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A						4320		1 3	
02C12 2 6	CRD-HCU-5827	CRD-SV-120/5827 R 522 L5/8.4 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A						4320		1 3	
02C12 2 6	CRD-HCU-5831	CRD-SV-120/5831 R 522 K2/8.4 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A						4320		1 3	
02C12 2 6	CRD-HCU-5835	CRD-SV-120/5835 R 522 K2/8.4 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A						4320		1 3	
02C12 2 6	CRD-HCU-5839	CRD-SV-120/5839 R 522 K2/8.4 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A						4320		1 3	
02C12 2 6	CRD-HCU-5843	CRD-SV-120/5843 R 522 K2/8.4 .5" SOLENOID WITHDRAW EXHAUST VALVE	A610	HVA1709662A						4320		1 3	
02C12 2 6	CRD-HCU-0219	CRD-SV-121/0219 R 522 L5/8.4 .5" SOLENOID INSERT EXHAUST VALVE	A610	HVA1709662A						4320		1 3	

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F/O HOURS	C	FREQ ACCURACY	TN HL
02C12 2 6	CRD-HCU-0223	CRD-SV-121/0223 R 522 L5/8.4 .5"SOLENOID INSERT EXHAUST VALVE	A610	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-0227	CRD-SV-121/0227 R 522 L5/8.4 .5"SOLENOID INSERT EXHAUST VALVE	A610	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-0231	CRD-SV-121/0231 R 522 L5/8.4 .5"SOLENOID INSERT EXHAUST VALVE	A610	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-0235	CRD-SV-121/0235 R 522 K2/8.4 .5"SOLENOID INSERT EXHAUST VALVE	A610	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-0239	CRD-SV-121/0239 R 522 K2/8.4 .5"SOLENOID INSERT EXHAUST VALVE	A610	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-0243	CRD-SV-121/0243 R 522 K2/8.4 .5"SOLENOID INSERT EXHAUST VALVE	A610	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-0615	CRD-SV-121/0615 R 522 L5/8.4 .5"SOLENOID INSERT EXHAUST VALVE	A610	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-0619	CRD-SV-121/0619 R 522 L5/8.4 .5"SOLENOID INSERT EXHAUST VALVE	A610	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-0623	CRD-SV-121/0623 R 522 L5/8.4 .5"SOLENOID INSERT EXHAUST VALVE	A610	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-0627	CRD-SV-121/0627 R 522 L5/8.4 .5"SOLENOID INSERT EXHAUST VALVE	A610	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-0631	CRD-SV-121/0631 R 522 L5/8.4 .5"SOLENOID INSERT EXHAUST VALVE	A610	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-0635	CRD-SV-121/0635 R 522 K2/8.4 .5"SOLENOID INSERT EXHAUST VALVE	A610	HVA1709662A				4320		1 3	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	OS	ARINO	OBE	C	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION	DRAWING						USE				
02C12 2 6	CRD-HCU-0639	CRD-SV-121/0639	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		G		B		4320			1 3	
02C12 2 6	CRD-HCU-0643	CRD-SV-121/0643	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		G		B		4320			1 3	
02C12 2 6	CRD-HCU-0647	CRD-SV-121/0647	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		G		B		4320			1 3	
02C12 2 6	CRD-HCU-1011	CRD-SV-121/1011	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		G		B		4320			1 3	
02C12 2 6	CRD-HCU-1015	CRD-SV-121/1015	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		G		B		4320			1 3	
02C12 2 6	CRD-HCU-1019	CRD-SV-121/1019	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		G		B		4320			1 3	
02C12 2 6	CRD-HCU-1023	CRD-SV-121/1023	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		G		B		4320			1 3	
02C12 2 6	CRD-HCU-1027	CRD-SV-121/1027	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		G		B		4320			1 3	
02C12 2 6	CRD-HCU-1031	CRD-SV-121/1031	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		G		B		4320			1 3	
02C12 2 6	CRD-HCU-1035	CRD-SV-121/1035	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		G		B		4320			1 3	
02C12 2 6	CRD-HCU-1039	CRD-SV-121/1039	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		G		B		4320			1 3	
02C12 2 6	CRD-HCU-1043	CRD-SV-121/1043	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		G		B		4320			1 3	

Morgan Ernest Press, Inc. 11

WASHINGTON POWER SUPPLY SYSTEM
WNP-2 CLASSIFICATION EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	HFG.	HFG MODEL NO. ROOM	QTD	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	AGE	AGING	DBE	C	HOURS	ACCURACY	USE		
02C12 2 6	CRD-HCU-1047 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1047	A610	HVA1709662A R 522 K2/8.4			B	4320		1	3	
02C12 2 6	CRD-HCU-1051 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1051	A610	HVA1709662A R 522 K2/8.4			B	4320		1	3	
02C12 2 6	CRD-HCU-1407 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1407	A610	HVA1709662A R 522 L5/8.4			B	4320		1	3	
02C12 2 6	CRD-HCU-1411 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1411	A610	HVA1709662A R 522 L5/8.4			B	4320		1	3	
02C12 2 6	CRD-HCU-1415 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1415	A610	HVA1709662A R 522 L5/8.4			B	4320		1	3	
02C12 2 6	CRD-HCU-1419 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1419	A610	HVA1709662A R 522 L5/8.4			B	4320		1	3	
02C12 2 6	CRD-HCU-1423 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1423	A610	HVA1709662A R 522 L5/8.4			B	4320		1	3	
02C12 2 6	CRD-HCU-1427 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1427	A610	HVA1709662A R 522 L5/8.4			B	4320		1	3	
02C12 2 6	CRD-HCU-1431 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1431	A610	HVA1709662A R 522 L5/8.4			B	4320		1	3	
02C12 2 6	CRD-HCU-1435 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1435	A610	HVA1709662A R 522 K2/8.4			B	4320		1	3	
02C12 2 6	CRD-HCU-1439 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1439	A610	HVA1709662A R 522 K2/8.4			B	4320		1	3	
02C12 2 6	CRD-HCU-1443 .5"SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1443	A610	HVA1709662A R 522 K2/8.4			B	4320		1	3	

Messer Aircraft Form, Inc. 11

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 WPP-2 CLASS I.E. EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	HF6 PLANT LOCATION	HF6 MODEL NO. ROOM	Q10 AGEING	TEST DBE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH HL
02C12 2 G	CRD-HCU-1447 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1447	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1451 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1451	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1455 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1455	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1803 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1803	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1807 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1807	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1811 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1811	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1815 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1815	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1819 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1819	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1823 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1823	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1827 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1827	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1831 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1831	A610	HVA1709662A				4320		1 3	
02C12 2 G	CRD-HCU-1835 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/1835	A610	HVA1709662A				4320		1 3	

WASHINGTON POWER SUPPLY SYSTEM
VHP-2 CLASSIFICATION EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
		EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	OS	AGING	DBE	HOURS	ACCURACY	USE		
02C12 2 G	CRD-HCU-1839	CRD-SV-121/1839	A610	HVA1709662A						4320		1 3
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B						
02C12 2 G	CRD-HCU-1843	CRD-SV-121/1843	A610	HVA1709662A						4320		1 3
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B						
02C12 2 G	CRD-HCU-1847	CRD-SV-121/1847	A610	HVA1709662A						4320		1 3
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B						
02C12 2 G	CRD-HCU-1851	CRD-SV-121/1851	A610	HVA1709662A						4320		1 3
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B						
02C12 2 G	CRD-HCU-1855	CRD-SV-121/1855	A610	HVA1709662A						4320		1 3
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B						
02C12 2 G	CRD-HCU-1859	CRD-SV-121/1859	A610	HVA1709662A						4320		1 3
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B						
02C12 2 G	CRD-HCU-2203	CRD-SV-121/2203	A610	HVA1709662A						4320		1 3
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B						
02C12 2 G	CRD-HCU-2207	CRD-SV-121/2207	A610	HVA1709662A						4320		1 3
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B						
02C12 2 G	CRD-HCU-2211	CRD-SV-121/2211	A610	HVA1709662A						4320		1 3
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B						
02C12 2 G	CRD-HCU-2215	CRD-SV-121/2215	A610	HVA1709662A						4320		1 3
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B						
02C12 2 G	CRD-HCU-2219	CRD-SV-121/2219	A610	HVA1709662A						4320		1 3
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B						
02C12 2 G	CRD-HCU-2223	CRD-SV-121/2223	A610	HVA1709662A						4320		1 3
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B						

Morse-Barnett Farming, Inc. LV

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG. NO.	MFG. MODEL NO.	QID	TEST	ANL.	F/O	C.	FREQ.	TH	HL
LV.	SAFETY FUNCTION	PLANT LOCATION	ROOM	OS	AGING	DBE	C	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION	DRAWING								USE		
02C12 2 G	CRD-HCU-2227	CRD-SV-121/2227	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4										
02C12 2 G	CRD-HCU-2231	CRD-SV-121/2231	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4										
02C12 2 G	CRD-HCU-2235	CRD-SV-121/2235	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4										
02C12 2 G	CRD-HCU-2239	CRD-SV-121/2239	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4										
02C12 2 G	CRD-HCU-2243	CRD-SV-121/2243	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4										
02C12 2 G	CRD-HCU-2247	CRD-SV-121/2247	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4										
02C12 2 G	CRD-HCU-2251	CRD-SV-121/2251	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4										
02C12 2 G	CRD-HCU-2255	CRD-SV-121/2255	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4										
02C12 2 G	CRD-HCU-2259	CRD-SV-121/2259	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4										
02C12 2 G	CRD-HCU-2603	CRD-SV-121/2603	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4										
02C12 2 G	CRD-HCU-2607	CRD-SV-121/2607	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4										
02C12 2 G	CRD-HCU-2611	CRD-SV-121/2611	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4										

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QTD	TEST	ANL	F/O	C	FREQ	TH. HL
		EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	OS	AGING	USE	HOURS	ACCURACY		
02C12 2 G	CRD-HCU-2615	CRD-SV-121/2615	A610	HVA1709662A				4320		1	3
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B					
02C12 2 G	CRD-HCU-2619	CRD-SV-121/2619	A610	HVA1709662A				4320		1	3
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B					
02C12 2 G	CRD-HCU-2623	CRD-SV-121/2623	A610	HVA1709662A				4320		1	3
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B					
02C12 2 G	CRD-HCU-2627	CRD-SV-121/2627	A610	HVA1709662A				4320		1	3
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B					
02C12 2 G	CRD-HCU-2631	CRD-SV-121/2631	A610	HVA1709662A				4320		1	3
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4	G		B					
02C12 2 G	CRD-HCU-2635	CRD-SV-121/2635	A610	HVA1709662A				4320		1	3
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B					
02C12 2 G	CRD-HCU-2639	CRD-SV-121/2639	A610	HVA1709662A				4320		1	3
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B					
02C12 2 G	CRD-HCU-2643	CRD-SV-121/2643	A610	HVA1709662A				4320		1	3
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B					
02C12 2 G	CRD-HCU-2647	CRD-SV-121/2647	A610	HVA1709662A				4320		1	3
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B					
02C12 2 G	CRD-HCU-2651	CRD-SV-121/2651	A610	HVA1709662A				4320		1	3
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B					
02C12 2 G	CRD-HCU-2655	CRD-SV-121/2655	A610	HVA1709662A				4320		1	3
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B					
02C12 2 G	CRD-HCU-2659	CRD-SV-121/2659	A610	HVA1709662A				4320		1	3
		.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4	G		B					

Marty Bushnell Form, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WNP-2 CLASS I.E. EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QTY	TEST	ANL	F/O.	C.	FREQ	TH	HLF
EC	SAFETY FUNCTION	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	BS	AGING	DBE	C.	HOURS	ACCURACY		
				DRAWING								USE
02C12 2 G	CRD-HCU-3003	CRD-SV-121/3003	A610	HVA1709662A								
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4							4320		1 3
02C12 2 G	CRD-HCU-3007	CRD-SV-121/3007	A610	HVA1709662A								
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4							4320		1 3
02C12 2 G	CRD-HCU-3011	CRD-SV-121/3011	A610	HVA1709662A								
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4							4320		1 3
02C12 2 G	CRD-HCU-3015	CRD-SV-121/3015	A610	HVA1709662A								
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4							4320		1 3
02C12 2 G	CRD-HCU-3019	CRD-SV-121/3019	A610	HVA1709662A								
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4							4320		1 3
02C12 2 G	CRD-HCU-3023	CRD-SV-121/3023	A610	HVA1709662A								
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4							4320		1 3
02C12 2 G	CRD-HCU-3027	CRD-SV-121/3027	A610	HVA1709662A								
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4							4320		1 3
02C12 2 G	CRD-HCU-3031	CRD-SV-121/3031	A610	HVA1709662A								
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4							4320		1 3
02C12 2 G	CRD-HCU-3035	CRD-SV-121/3035	A610	HVA1709662A								
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4							4320		1 3
02C12 2 G	CRD-HCU-3039	CRD-SV-121/3039	A610	HVA1709662A								
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4							4320		1 3
02C12 2 G	CRD-HCU-3043	CRD-SV-121/3043	A610	HVA1709662A								
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4							4320		1 3
02C12 2 G	CRD-HCU-3047	CRD-SV-121/3047	A610	HVA1709662A								
		.5"SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4							4320		1 3

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WASHINGTON POWER SUPPLY SYSTEM
 WNP-2 CLASSIFICATION EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT	MFG. MODEL NO. LOCATION	ROOM	QID	TEST	ANL	F/O	C	FREQ	TM	HL
EC		DRAWING					AGE		HOURS		ACCURACY		USE
02C12 2 G	CRD-HCU-3051	CRD-SV-121/3051 R 522 K2/8.4	A610	HVA1709662A					4320		1	3	
	.5"SOLENOID INSERT EXHAUST VALVE												
02C12 2 G	CRD-HCU-3055	CRD-SV-121/3055 R 522 K2/8.4	A610	HVA1709662A					4320		1	3	
	.5"SOLENOID INSERT EXHAUST VALVE												
02C12 2 G	CRD-HCU-3059	CRD-SV-121/3059 R 522 K2/8.4	A610	HVA1709662A					4320		1	3	
	.5"SOLENOID INSERT EXHAUST VALVE												
02C12 2 G	CRD-HCU-3403	CRD-SV-121/3403 R 522 L5/8.4	A610	HVA1709662A					4320		1	3	
	.5"SOLENOID INSERT EXHAUST VALVE												
02C12 2 G	CRD-HCU-3407	CRD-SV-121/3407 R 522 L5/8.4	A610	HVA1709662A					4320		1	3	
	.5"SOLENOID INSERT EXHAUST VALVE												
02C12 2 G	CRD-HCU-3411	CRD-SV-121/3411 R 522 L5/8.4	A610	HVA1709662A					4320		1	3	
	.5"SOLENOID INSERT EXHAUST VALVE												
02C12 2 G	CRD-HCU-3415	CRD-SV-121/3415 R 522 L5/8.4	A610	HVA1709662A					4320		1	3	
	.5"SOLENOID INSERT EXHAUST VALVE												
02C12 2 G	CRD-HCU-3419	CRD-SV-121/3419 R 522 L5/8.4	A610	HVA1709662A					4320		1	3	
	.5"SOLENOID INSERT EXHAUST VALVE												
02C12 2 G	CRD-HCU-3423	CRD-SV-121/3423 R 522 L5/8.4	A610	HVA1709662A					4320		1	3	
	.5"SOLENOID INSERT EXHAUST VALVE												
02C12 2 G	CRD-HCU-3427	CRD-SV-121/3427 R 522 L5/8.4	A610	HVA1709662A					4320		1	3	
	.5"SOLENOID INSERT EXHAUST VALVE												
02C12 2 G	CRD-HCU-3431	CRD-SV-121/3431 R 522 K2/8.4	A610	HVA1709662A					4320		1	3	
	.5"SOLENOID INSERT EXHAUST VALVE												
02C12 2 G	CRD-HCU-3435	CRD-SV-121/3435 R 522 K2/8.4	A610	HVA1709662A					4320		1	3	
	.5"SOLENOID INSERT EXHAUST VALVE												

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 WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	OS	ABING	DBE	C	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION	DRAWING										USE
02C12 2 G	CRD-HCU-3439	CRD-SV-121/3439	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		G		B		4320			1 3	
02C12 2 G	CRD-HCU-3443	CRD-SV-121/3443	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		G		B		4320			1 3	
02C12 2 G	CRD-HCU-3447	CRD-SV-121/3447	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		G		B		4320			1 3	
02C12 2 G	CRD-HCU-3451	CRD-SV-121/3451	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		G		B		4320			1 3	
02C12 2 G	CRD-HCU-3455	CRD-SV-121/3455	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		G		B		4320			1 3	
02C12 2 G	CRD-HCU-3459	CRD-SV-121/3459	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4		G		B		4320			1 3	
02C12 2 G	CRD-HCU-3803	CRD-SV-121/3803	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		G		B		4320			1 3	
02C12 2 G	CRD-HCU-3807	CRD-SV-121/3807	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		G		B		4320			1 3	
02C12 2 G	CRD-HCU-3811	CRD-SV-121/3811	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		G		B		4320			1 3	
02C12 2 G	CRD-HCU-3815	CRD-SV-121/3815	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		G		B		4320			1 3	
02C12 2 G	CRD-HCU-3819	CRD-SV-121/3819	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		G		B		4320			1 3	
02C12 2 G	CRD-HCU-3823	CRD-SV-121/3823	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4		G		B		4320			1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO. DRAWING	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC			PLANT LOCATION	ROOM	OS	AGING	DBE	C	HOURS	ACCURACY		
												USE
02C12 2 G	CRD-HCU-3827 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3827	A610	HVA1709662A R-522 L5/8.4								4320 1 3
02C12 2 G	CRD-HCU-3831 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3831	A610	HVA1709662A R-522 K2/8.4								4320 1 3
02C12 2 G	CRD-HCU-3835 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3835	A610	HVA1709662A R-522 K2/8.4								4320 1 3
02C12 2 G	CRD-HCU-3839 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3839	A610	HVA1709662A R-522 K2/8.4								4320 1 3
02C12 2 G	CRD-HCU-3843 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3843	A610	HVA1709662A R 522 K2/8.4								4320 1 3
02C12 2 G	CRD-HCU-3847 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3847	A610	HVA1709662A R 522 K2/8.4								4320 1 3
02C12 2 G	CRD-HCU-3851 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3851	A610	HVA1709662A R-522 K2/8.4								4320 1 3
02C12 2 G	CRD-HCU-3855 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3855	A610	HVA1709662A R 522 K2/8.4								4320 1 3
02C12 2 G	CRD-HCU-3859 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/3859	A610	HVA1709662A R-522 K2/8.4								4320 1 3
02C12 2 G	CRD-HCU-4203 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/4203	A610	HVA1709662A R 522 L5/8.4								4320 1 3
02C12 2 G	CRD-HCU-4207 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/4207	A610	HVA1709662A R 522 L5/8.4								4320 1 3
02C12 2 G	CRD-HCU-4211 .5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/4211	A610	HVA1709662A R-522 L5/8.4								4320 1 3

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WNP-2 GLASSBORO EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO.	HFG	HFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
		EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	OS	AGING	DBE	HOURS		ACCURACY		
				DRAWING								USE
02C12	CRD-HCU-4215	CRD-SV-121/4215	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4			B		4320			1	3
02C12	CRD-HCU-4219	CRD-SV-121/4219	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4			B		4320			1	3
02C12	CRD-HCU-4223	CRD-SV-121/4223	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4			B		4320			1	3
02C12	CRD-HCU-4227	CRD-SV-121/4227	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 L5/8.4			B		4320			1	3
02C12	CRD-HCU-4231	CRD-SV-121/4231	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4			B		4320			1	3
02C12	CRD-HCU-4235	CRD-SV-121/4235	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4			B		4320			1	3
02C12	CRD-HCU-4239	CRD-SV-121/4239	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4			B		4320			1	3
02C12	CRD-HCU-4243	CRD-SV-121/4243	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4			B		4320			1	3
02C12	CRD-HCU-4247	CRD-SV-121/4247	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4			B		4320			1	3
02C12	CRD-HCU-4251	CRD-SV-121/4251	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4			B		4320			1	3
02C12	CRD-HCU-4255	CRD-SV-121/4255	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4			B		4320			1	3
02C12	CRD-HCU-4259	CRD-SV-121/4259	A610	HVA1709662A								
2	6	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4			B		4320			1	3

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGEING	TEST OBS	ANL C	F70 HOURS	C USE	FREQ ACCURACY	TH HL
02C12 2 G	CRD-HCU-4607	CRD-SV-121/4607	A610 R 522 L5/8.4	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE									
02C12 2 G	CRD-HCU-4611	CRD-SV-121/4611	A610 R 522 L5/8.4	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE									
02C12 2 G	CRD-HCU-4615	CRD-SV-121/4615	A610 R 522 L5/8.4	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE									
02C12 2 G	CRD-HCU-4619	CRD-SV-121/4619	A610 R 522 L5/8.4	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE									
02C12 2 G	CRD-HCU-4623	CRD-SV-121/4623	A610 R 522 L5/8.4	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE									
02C12 2 G	CRD-HCU-4627	CRD-SV-121/4627	A610 R 522 L5/8.4	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE									
02C12 2 G	CRD-HCU-4631	CRD-SV-121/4631	A610 R 522 K2/8.4	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE									
02C12 2 G	CRD-HCU-4635	CRD-SV-121/4635	A610 R 522 K2/8.4	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE									
02C12 2 G	CRD-HCU-4639	CRD-SV-121/4639	A610 R 522 K2/8.4	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE									
02C12 2 G	CRD-HCU-4643	CRD-SV-121/4643	A610 R 522 K2/8.4	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE									
02C12 2 G	CRD-HCU-4647	CRD-SV-121/4647	A610 R 522 K2/8.4	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE									
02C12 2 G	CRD-HCU-4651	CRD-SV-121/4651	A610 R 522 K2/8.4	HVA1709662A				4320		1 3	
		.5"SOLENOID INSERT EXHAUST VALVE									

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	REF. R	MFG. MODEL NO. ROOM	QTY	TEST AGE	ANL C	F70 HOURS	C	FREQ ACCURACY	TH HL
02C12 2 6	CRD-HCU-4655 5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/4655	A610 R 522 K2/8.4	HVA1709662A	6	B		4320		1 3	
02C12 2 6	CRD-HCU-5011 5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/5011	A610 R 522 L5/8.4	HVA1709662A	6	B		4320		1 3	
02C12 2 6	CRD-HCU-5015 5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/5015	A610 R 522 L5/8.4	HVA1709662A	6	B		4320		1 3	
02C12 2 6	CRD-HCU-5019 5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/5019	A610 R 522 L5/8.4	HVA1709662A	6	B		4320		1 3	
02C12 2 6	CRD-HCU-5023 5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/5023	A610 R 522 L5/8.4	HVA1709662A	6	B		4320		1 3	
02C12 2 6	CRD-HCU-5027 5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/5027	A610 R 522 L5/8.4	HVA1709662A	6	B		4320		1 3	
02C12 2 6	CRD-HCU-5031 5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/5031	A610 R 522 K2/8.4	HVA1709662A	6	B		4320		1 3	
02C12 2 6	CRD-HCU-5035 5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/5035	A610 R 522 K2/8.4	HVA1709662A	6	B		4320		1 3	
02C12 2 6	CRD-HCU-5039 5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/5039	A610 R 522 K2/8.4	HVA1709662A	6	B		4320		1 3	
02C12 2 6	CRD-HCU-5043 5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/5043	A610 R 522 K2/8.4	HVA1709662A	6	B		4320		1 3	
02C12 2 6	CRD-HCU-5047 5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/5047	A610 R 522 K2/8.4	HVA1709662A	6	B		4320		1 3	
02C12 2 6	CRD-HCU-5051 5" SOLENOID INSERT EXHAUST VALVE	CRD-SV-121/5051	A610 R 522 K2/8.4	HVA1709662A	6	B		4320		1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TM	HL
EC	EQUIPMENT DESCRIPTION	PLANT	LOCATION	ROOM	OS	AGING	DRF	HOURS	ACCURACY	USE		
02C12 2 6	CRD-HCU-5415	CRD-SV-121/5415	A610	HVA1709662A						4320		1 3
	.5" SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4									
02C12 2 6	CRD-HCU-5419	CRD-SV-121/5419	A610	HVA1709662A						4320		1 3
	.5" SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4									
02C12 2 6	CRD-HCU-5423	CRD-SV-121/5423	A610	HVA1709662A						4320		1 3
	.5" SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4									
02C12 2 6	CRD-HCU-5427	CRD-SV-121/5427	A610	HVA1709662A						4320		1 3
	.5" SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4									
02C12 2 6	CRD-HCU-5431	CRD-SV-121/5431	A610	HVA1709662A						4320		1 3
	.5" SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4									
02C12 2 6	CRD-HCU-5435	CRD-SV-121/5435	A610	HVA1709662A						4320		1 3
	.5" SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4									
02C12 2 6	CRD-HCU-5439	CRD-SV-121/5439	A610	HVA1709662A						4320		1 3
	.5" SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4									
02C12 2 6	CRD-HCU-5443	CRD-SV-121/5443	A610	HVA1709662A						4320		1 3
	.5" SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4									
02C12 2 6	CRD-HCU-5447	CRD-SV-121/5447	A610	HVA1709662A						4320		1 3
	.5" SOLENOID INSERT EXHAUST VALVE		R 522 K2/8.4									
02C12 2 6	CRD-HCU-5819	CRD-SV-121/5819	A610	HVA1709662A						4320		1 3
	.5" SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4									
02C12 2 6	CRD-HCU-5823	CRD-SV-121/5823	A610	HVA1709662A						4320		1 3
	.5" SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4									
02C12 2 6	CRD-HCU-5827	CRD-SV-121/5827	A610	HVA1709662A						4320		1 3
	.5" SOLENOID INSERT EXHAUST VALVE		R 522 L5/8.4									

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	AF61	MFG MODEL NO.	QTY	TEST	ANL	F/O	C	FREQ	LTH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	DRWG	QTY	ANL	DBP	HOURS	ACCURACY	USE		
EC	EQUIPMENT DESCRIPTION											
02C12 2 6	CRD-HCU-5831	CRD-SV-121/5831	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4						4320			1 3	
02C12 2 6	CRD-HCU-5835	CRD-SV-121/5835	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4						4320			1 3	
02C12 2 6	CRD-HCU-5839	CRD-SV-121/5839	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4						4320			1 3	
02C12 2 6	CRD-HCU-5843	CRD-SV-121/5843	A610	HVA1709662A								
	.5" SOLENOID INSERT EXHAUST VALVE	R 522 K2/8.4						4320			1 3	
02C12 2 6	CRD-HCU-0219	CRD-SV-122/0219	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4						4320			1 3	
02C12 2 6	CRD-HCU-0223	CRD-SV-122/0223	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4						4320			1 3	
02C12 2 6	CRD-HCU-0227	CRD-SV-122/0227	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4						4320			1 3	
02C12 2 6	CRD-HCU-0231	CRD-SV-122/0231	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4						4320			1 3	
02C12 2 6	CRD-HCU-0235	CRD-SV-122/0235	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4						4320			1 3	
02C12 2 6	CRD-HCU-0239	CRD-SV-122/0239	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4						4320			1 3	
02C12 2 6	CRD-HCU-0243	CRD-SV-122/0243	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4						4320			1 3	
02C12 2 6	CRD-HCU-0615	CRD-SV-122/0615	A610	HVA1709662A								
	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4						4320			1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HPG PLANT LOCATION	HPG MODEL NO. ROOM	DWG DRAWING	TEST DTE	ANL C	P/O HOURS	FREQ ACCURACY	TH HL
02C12 2 6	CRD-HCU-0619	CRD-SV-122/0619 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-0623	CRD-SV-122/0623 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-0627	CRD-SV-122/0627 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-0631	CRD-SV-122/0631 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-0635	CRD-SV-122/0635 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-0639	CRD-SV-122/0639 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-0643	CRD-SV-122/0643 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-0647	CRD-SV-122/0647 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1011	CRD-SV-122/1011 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1015	CRD-SV-122/1015 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1019	CRD-SV-122/1019 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1023	CRD-SV-122/1023 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	

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CONTRACT LV	COMPOSITE NOS SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NOS	RFQ#	RFQ MODEL NOS	GIO	TEST	AKL	F70	C	FREQ	TH	HL
EC			PLANT LOCATION	ROOM	AS	DRAWING	DBE	C	HOURS	ACCURACY		
												USE
02C12 2 6	CRD-HCU-1027 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1027	A610	HVA1709662A						4320	1 3	
			R 522 L5/8.4				B					
02C12 2 6	CRD-HCU-1031 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1031	A610	HVA1709662A						4320	1 3	
			R 522 L5/8.4				B					
02C12 2 6	CRD-HCU-1035 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1035	A610	HVA1709662A						4320	1 3	
			R 522 K2/8.4				B					
02C12 2 6	CRD-HCU-1039 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1039	A610	HVA1709662A						4320	1 3	
			R 522 K2/8.4				B					
02C12 2 6	CRD-HCU-1043 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1043	A610	HVA1709662A						4320	1 3	
			R 522 K2/8.4				B					
02C12 2 6	CRD-HCU-1047 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1047	A610	HVA1709662A						4320	1 3	
			R 522 K2/8.4				B					
02C12 2 6	CRD-HCU-1051 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1051	A610	HVA1709662A						4320	1 3	
			R 522 K2/8.4				B					
02C12 2 6	CRD-HCU-1407 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1407	A610	HVA1709662A						4320	1 3	
			R 522 L5/8.4				B					
02C12 2 6	CRD-HCU-1411 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1411	A610	HVA1709662A						4320	1 3	
			R 522 L5/8.4				B					
02C12 2 6	CRD-HCU-1415 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1415	A610	HVA1709662A						4320	1 3	
			R 522 L5/8.4				B					
02C12 2 6	CRD-HCU-1419 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1419	A610	HVA1709662A						4320	1 3	
			R 522 L5/8.4				B					
02C12 2 6	CRD-HCU-1423 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/1423	A610	HVA1709662A						4320	1 3	
			R 522 L5/8.4				B					

Meyer Business Forms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS II EQUIPMENT LIST

DATE 01/12/82 PAGE 101

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG.	MFG MODEL NO. PLANT LOCATION	R00A	Q10	TEST	ANL	F/O	C	FREQ	TH	HL
									HOURS	ACCURACY			
02C12 2 6	CRD-HCU-1427	CRD-SV-122/1427 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4		B			4320		1	3	
02C12 2 6	CRD-HCU-1431	CRD-SV-122/1431 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4		B			4320		1	3	
02C12 2 6	CRD-HCU-1435	CRD-SV-122/1435 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4		B			4320		1	3	
02C12 2 6	CRD-HCU-1439	CRD-SV-122/1439 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4		B			4320		1	3	
02C12 2 6	CRD-HCU-1443	CRD-SV-122/1443 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4		B			4320		1	3	
02C12 2 6	CRD-HCU-1447	CRD-SV-122/1447 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4		B			4320		1	3	
02C12 2 6	CRD-HCU-1451	CRD-SV-122/1451 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4		B			4320		1	3	
02C12 2 6	CRD-HCU-1455	CRD-SV-122/1455 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4		B			4320		1	3	
02C12 2 6	CRD-HCU-1803	CRD-SV-122/1803 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4		B			4320		1	3	
02C12 2 6	CRD-HCU-1807	CRD-SV-122/1807 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4		B			4320		1	3	
02C12 2 6	CRD-HCU-1811	CRD-SV-122/1811 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4		B			4320		1	3	
02C12 2 6	CRD-HCU-1815	CRD-SV-122/1815 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4		B			4320		1	3	

Murray Equipment Form, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 102

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F70	C	FREQ	TR	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DRWG	ASNG	DBE	C	HOURS	ACCURACY	USE		
02C12 2 6	CRD-HCU-1819	CRD-SV-122/1819	A610	HVA1709662A						4320	1	3
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 L5/8.4				B					
12C12 2 6	CRD-HCU-1823	CRD-SV-122/1823	A610	HVA1709662A						4320	1	3
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 L5/8.4				B					
02C12 2 6	CRD-HCU-1827	CRD-SV-122/1827	A610	HVA1709662A						4320	1	3
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 L5/8.4				B					
02C12 2 6	CRD-HCU-1831	CRD-SV-122/1831	A610	HVA1709662A						4320	1	3
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 L5/8.4				B					
02C12 2 6	CRD-HCU-1835	CRD-SV-122/1835	A610	HVA1709662A						4320	1	3
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4				B					
02C12 2 6	CRD-HCU-1839	CRD-SV-122/1839	A610	HVA1709662A						4320	1	3
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4				B					
02C12 2 6	CRD-HCU-1843	CRD-SV-122/1843	A610	HVA1709662A						4320	1	3
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4				B					
02C12 2 6	CRD-HCU-1847	CRD-SV-122/1847	A610	HVA1709662A						4320	1	3
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4				B					
02C12 2 6	CRD-HCU-1851	CRD-SV-122/1851	A610	HVA1709662A						4320	1	3
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4				B					
02C12 2 6	CRD-HCU-1855	CRD-SV-122/1855	A610	HVA1709662A						4320	1	3
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4				B					
02C12 2 6	CRD-HCU-1859	CRD-SV-122/1859	A610	HVA1709662A						4320	1	3
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 K2/8.4				B					
02C12 2 6	CRD-HCU-2203	CRD-SV-122/2203	A610	HVA1709662A						4320	1	3
	.5" SOLENOID WITHDRAW DRIVE VALVE		R 522 L5/8.4				B					

Meyer Business Forms, Inc. 11"

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WNP-2 CLASS 1 EQUIPMENT LIST

DATE - 01/12/02 PAGE 103

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO.	MFG. PLANT	MFG. MODEL NO. LOCATION	QTY	TEST	AND	F/O	C	FREQ	TH	HL
		EQUIPMENT DESCRIPTION		DRAWING				HOURS		ACCURACY		USE
02C12 2 6	CRD-HCU-2207	CRD-SV-122/2207	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE										
02C12 2 6	CRD-HCU-2211	CRD-SV-122/2211	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE										
02C12 2 6	CRD-HCU-2215	CRD-SV-122/2215	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE										
02C12 2 6	CRD-HCU-2219	CRD-SV-122/2219	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE										
02C12 2 6	CRD-HCU-2223	CRD-SV-122/2223	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE										
02C12 2 6	CRD-HCU-2227	CRD-SV-122/2227	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE										
02C12 2 6	CRD-HCU-2231	CRD-SV-122/2231	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE										
02C12 2 6	CRD-HCU-2235	CRD-SV-122/2235	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE										
02C12 2 6	CRD-HCU-2239	CRD-SV-122/2239	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE										
02C12 2 6	CRD-HCU-2243	CRD-SV-122/2243	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE										
02C12 2 6	CRD-HCU-2247	CRD-SV-122/2247	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE										
02C12 2 6	CRD-HCU-2251	CRD-SV-122/2251	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3		
		.5" SOLENOID WITHDRAW DRIVE VALVE										

Morgan Equipment Form, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/02 PAGE 104

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/D	C	FREQ	TH	HL
		EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	OS	AGING	DBE	C	HOURS	ACCURACY		
				DRAWING						USE		
02C12	CRD-HCU-2255	CRD-SV-122/2255	A610	HVA1709662A						4320	1	3
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12	CRD-HCU-2259	CRD-SV-122/2259	A610	HVA1709662A						4320	1	3
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12	CRD-HCU-2603	CRD-SV-122/2603	A610	HVA1709662A						4320	1	3
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12	CRD-HCU-2607	CRD-SV-122/2607	A610	HVA1709662A						4320	1	3
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12	CRD-HCU-2611	CRD-SV-122/2611	A610	HVA1709662A						4320	1	3
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12	CRD-HCU-2615	CRD-SV-122/2615	A610	HVA1709662A						4320	1	3
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12	CRD-HCU-2619	CRD-SV-122/2619	A610	HVA1709662A						4320	1	3
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12	CRD-HCU-2623	CRD-SV-122/2623	A610	HVA1709662A						4320	1	3
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12	CRD-HCU-2627	CRD-SV-122/2627	A610	HVA1709662A						4320	1	3
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12	CRD-HCU-2631	CRD-SV-122/2631	A610	HVA1709662A						4320	1	3
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B							
02C12	CRD-HCU-2635	CRD-SV-122/2635	A610	HVA1709662A						4320	1	3
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							
02C12	CRD-HCU-2639	CRD-SV-122/2639	A610	HVA1709662A						4320	1	3
2	6	.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B							

Mount Bureau Form, Inc. 17

WASHINGTON POWER SUPPLY SYSTEM
 WHP-2 CLASS 1F EQUIPMENT LIST

DATE 01/12/82 PAGE 105

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFG PLANT LOCATION	HFG MODEL NO. ROOM	QID AS	TEST DR	ANE C	F/O HOURS	C ACCURACY	FREQ TH	HL
02C12 2 6	CRD-HCU-2643	CRD-SV-122/2643 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R-522 K2/8.4	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-2647	CRD-SV-122/2647 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R-522 K2/8.4	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-2651	CRD-SV-122/2651 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R-522 K2/8.4	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-2655	CRD-SV-122/2655 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R-522 K2/8.4	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-2659	CRD-SV-122/2659 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R-522 K2/8.4	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-3003	CRD-SV-122/3003 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R-522 L5/8.4	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-3007	CRD-SV-122/3007 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R-522 L5/8.4	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-3011	CRD-SV-122/3011 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R-522 L5/8.4	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-3015	CRD-SV-122/3015 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R-522 L5/8.4	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-3019	CRD-SV-122/3019 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R-522 L5/8.4	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-3023	CRD-SV-122/3023 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R-522 L5/8.4	HVA1709662A				4320		1 3	
02C12 2 6	CRD-HCU-3027	CRD-SV-122/3027 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R-522 L5/8.4	HVA1709662A				4320		1 3	

Moseley Business Forms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WNP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 106

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HPG PLANT	HPG MODEL NO. LOCATION	QID AS	TEST A/TING	ANL DBE	F/O C	HOURS	FREQ ACCURACY	TN HL
02C12 2 6	CRD-HCU-3031	CRD-SV-122/3031 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4			B		4320		1 3
02C12 2 6	CRD-HCU-3035	CRD-SV-122/3035 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4			B		4320		1 3
02C12 2 6	CRD-HCU-3039	CRD-SV-122/3039 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4			B		4320		1 3
02C12 2 6	CRD-HCU-3043	CRD-SV-122/3043 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4			B		4320		1 3
02C12 2 6	CRD-HCU-3047	CRD-SV-122/3047 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4			B		4320		1 3
02C12 2 6	CRD-HCU-3051	CRD-SV-122/3051 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4			B		4320		1 3
02C12 2 6	CRD-HCU-3055	CRD-SV-122/3055 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4			B		4320		1 3
02C12 2 6	CRD-HCU-3059	CRD-SV-122/3059 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4			B		4320		1 3
02C12 2 6	CRD-HCU-3403	CRD-SV-122/3403 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4			B		4320		1 3
02C12 2 6	CRD-HCU-3407	CRD-SV-122/3407 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4			B		4320		1 3
02C12 2 6	CRD-HCU-3411	CRD-SV-122/3411 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4			B		4320		1 3
02C12 2 6	CRD-HCU-3415	CRD-SV-122/3415 .5" SOLENOID WITHDRAW DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4			B		4320		1 3

Moore Business Forms, Inc. 17

WASHINGTON: PUBLIC WATER SUPPLY SYSTEM
 WWP-2 CLASSIFICATION EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	DID	TEST	ANL	F70	C	FREQ	TH	HL
EC	SAFETY FUNCTION	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	WS	ANALOG	OFF	C	HOURS	ACCURACY		
												USE
02C12 2 6	CRD-HCU-3419	CRD-SV-122/3419	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4						4320			1 3
02C12 2 6	CRD-HCU-3423	CRD-SV-122/3423	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4						4320			1 3
02C12 2 6	CRD-HCU-3427	CRD-SV-122/3427	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4						4320			1 3
02C12 2 6	CRD-HCU-3431	CRD-SV-122/3431	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4						4320			1 3
02C12 2 6	CRD-HCU-3435	CRD-SV-122/3435	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4						4320			1 3
02C12 2 6	CRD-HCU-3439	CRD-SV-122/3439	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4						4320			1 3
02C12 2 6	CRD-HCU-3443	CRD-SV-122/3443	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4						4320			1 3
02C12 2 6	CRD-HCU-3447	CRD-SV-122/3447	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4						4320			1 3
02C12 2 6	CRD-HCU-3451	CRD-SV-122/3451	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4						4320			1 3
02C12 2 6	CRD-HCU-3455	CRD-SV-122/3455	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4						4320			1 3
02C12 2 6	CRD-HCU-3459	CRD-SV-122/3459	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4						4320			1 3
02C12 2 6	CRD-HCU-3803	CRD-SV-122/3803	A610	HVA1709662A								
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4						4320			1 3

Mayer Business Forms, Inc. 11"

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGING	TEST OBE	AHL C	F/O HOURS	C ACCURACY	FREQ TH	HL	USE
02C12 2 6	CRD-HCU-3807	CRD-SV-122/3807 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3811	CRD-SV-122/3811 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3815	CRD-SV-122/3815 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3819	CRD-SV-122/3819 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3823	CRD-SV-122/3823 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3827	CRD-SV-122/3827 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3831	CRD-SV-122/3831 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3835	CRD-SV-122/3835 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3839	CRD-SV-122/3839 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3843	CRD-SV-122/3843 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3847	CRD-SV-122/3847 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		
02C12 2 6	CRD-HCU-3851	CRD-SV-122/3851 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A				4320		1 3		

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C.	FREQ	TH	HL
		EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	RS	AGING	DRF	HOURS	ACCURACY	USE		
02C12 2 6	CRD-HCU-3855	CRD-SV-122/3855	A610	HVA1709662A				4320		1	3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4									
02C12 2 6	CRD-HCU-3859	CRD-SV-122/3859	A610	HVA1709662A				4320		1	3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4									
02C12 2 6	CRD-HCU-4203	CRD-SV-122/4203	A610	HVA1709662A				4320		1	3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4									
02C12 2 6	CRD-HCU-4207	CRD-SV-122/4207	A610	HVA1709662A				4320		1	3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4									
02C12 2 6	CRD-HCU-4211	CRD-SV-122/4211	A610	HVA1709662A				4320		1	3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4									
02C12 2 6	CRD-HCU-4215	CRD-SV-122/4215	A610	HVA1709662A				4320		1	3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4									
02C12 2 6	CRD-HCU-4219	CRD-SV-122/4219	A610	HVA1709662A				4320		1	3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4									
02C12 2 6	CRD-HCU-4223	CRD-SV-122/4223	A610	HVA1709662A				4320		1	3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4									
02C12 2 6	CRD-HCU-4227	CRD-SV-122/4227	A610	HVA1709662A				4320		1	3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4									
02C12 2 6	CRD-HCU-4231	CRD-SV-122/4231	A610	HVA1709662A				4320		1	3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4									
02C12 2 6	CRD-HCU-4235	CRD-SV-122/4235	A610	HVA1709662A				4320		1	3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4									
02C12 2 6	CRD-HCU-4239	CRD-SV-122/4239	A610	HVA1709662A				4320		1	3	
		.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4									

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	HPQ	HPQ MODEL NO.	PLANT LOCATION	ROOM	OS	QID	TEST	AND	F/O	C	FREQ	TH	HL
EC								AGIND	DRE	C	HOURS		ACCURACY		
															USE
02C12 2 6	CRD-HCU-4243 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/4243	A610	HVA1709662A							4320		1 3		
02C12 2 6	CRD-HCU-4247 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/4247	A610	HVA1709662A							4320		1 3		
02C12 2 6	CRD-HCU-4251 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/4251	A610	HVA1709662A							4320		1 3		
02C12 2 6	CRD-HCU-4255 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/4255	A610	HVA1709662A							4320		1 3		
02C12 2 6	CRD-HCU-4259 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/4259	A610	HVA1709662A							4320		1 3		
02C12 2 6	CRD-HCU-4607 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/4607	A610	HVA1709662A							4320		1 3		
02C12 2 6	CRD-HCU-4611 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/4611	A610	HVA1709662A							4320		1 3		
02C12 2 6	CRD-HCU-4615 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/4615	A610	HVA1709662A							4320		1 3		
02C12 2 6	CRD-HCU-4619 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/4619	A610	HVA1709662A							4320		1 3		
02C12 2 6	CRD-HCU-4623 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/4623	A610	HVA1709662A							4320		1 3		
02C12 2 6	CRD-HCU-4627 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/4627	A610	HVA1709662A							4320		1 3		
02C12 2 6	CRD-HCU-4631 .5" SOLENOID WITHDRAW DRIVE VALVE	CRD-SV-122/4631	A610	HVA1709662A							4320		1 3		

Robert Bennett Form, Inc. LV

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. DRAWING	QTY	TEST DATE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TM HL
02C12 2 6	CRD-HCU-4635	CRD-SV-122/4635 .5"SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	6			4320		1 3	
02C12 2 6	CRD-HCU-4639	CRD-SV-122/4639 .5"SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	6			4320		1 3	
02C12 2 6	CRD-HCU-4643	CRD-SV-122/4643 .5"SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	6			4320		1 3	
02C12 2 6	CRD-HCU-4647	CRD-SV-122/4647 .5"SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	6			4320		1 3	
02C12 2 6	CRD-HCU-4651	CRD-SV-122/4651 .5"SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	6			4320		1 3	
02C12 2 6	CRD-HCU-4655	CRD-SV-122/4655 .5"SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	6			4320		1 3	
02C12 2 6	CRD-HCU-5011	CRD-SV-122/5011 .5"SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	6			4320		1 3	
02C12 2 6	CRD-HCU-5015	CRD-SV-122/5015 .5"SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	6			4320		1 3	
02C12 2 6	CRD-HCU-5019	CRD-SV-122/5019 .5"SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	6			4320		1 3	
02C12 2 6	CRD-HCU-5023	CRD-SV-122/5023 .5"SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	6			4320		1 3	
02C12 2 6	CRD-HCU-5027	CRD-SV-122/5027 .5"SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	6			4320		1 3	
02C12 2 6	CRD-HCU-5035	CRD-SV-122/5035 .5"SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	6			4320		1 3	

Honeywell Form 10, Inc. 17

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	RFQ NO.	RFQ MODEL NO.	QTY	TEST	ANL	F70	FC	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	NS	AGING	DBE	C	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION	DRAWING								USE		
02C12	CRD-HCU-5039	CRD-SV-122/5039	A610	HVA1709662A								
2	G	1.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320			1	3
02C12	CRD-HCU-5043	CRD-SV-122/5043	A610	HVA1709662A								
2	G	1.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320			1	3
02C12	CRD-HCU-5047	CRD-SV-122/5047	A610	HVA1709662A								
2	G	1.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320			1	3
02C12	CRD-HCU-5051	CRD-SV-122/5051	A610	HVA1709662A								
2	G	1.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320			1	3
02C12	CRD-HCU-5415	CRD-SV-122/5415	A610	HVA1709662A								
2	G	1.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320			1	3
02C12	CRD-HCU-5419	CRD-SV-122/5419	A610	HVA1709662A								
2	G	1.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320			1	3
02C12	CRD-HCU-5423	CRD-SV-122/5423	A610	HVA1709662A								
2	G	1.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320			1	3
02C12	CRD-HCU-5427	CRD-SV-122/5427	A610	HVA1709662A								
2	G	1.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 L5/8.4		B			4320			1	3
02C12	CRD-HCU-5431	CRD-SV-122/5431	A610	HVA1709662A								
2	G	1.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320			1	3
02C12	CRD-HCU-5435	CRD-SV-122/5435	A610	HVA1709662A								
2	G	1.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320			1	3
02C12	CRD-HCU-5439	CRD-SV-122/5439	A610	HVA1709662A								
2	G	1.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320			1	3
02C12	CRD-HCU-5443	CRD-SV-122/5443	A610	HVA1709662A								
2	G	1.5" SOLENOID WITHDRAW DRIVE VALVE	R 522 K2/8.4		B			4320			1	3

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID OR	TEST OR	ANL OR	F/D OR	C OR	FREQ ACCURACY	TH HL
EC				DRAWING						USE	
02C12 2 6	CRD-HCU-5447	CRD-SV-122/5447 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A						4320	1 3
02C12 2 6	CRD-HCU-5819	CRD-SV-122/5819 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A						4320	1 3
02C12 2 6	CRD-HCU-5823	CRD-SV-122/5823 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A						4320	1 3
02C12 2 6	CRD-HCU-5827	CRD-SV-122/5827 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A						4320	1 3
02C12 2 6	CRD-HCU-5831	CRD-SV-122/5831 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A						4320	1 3
02C12 2 6	CRD-HCU-5835	CRD-SV-122/5835 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A						4320	1 3
02C12 2 6	CRD-HCU-5839	CRD-SV-122/5839 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A						4320	1 3
02C12 2 6	CRD-HCU-5843	CRD-SV-122/5843 .5" SOLENOID WITHDRAW DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A						4320	1 3
02C12 2 6	CRD-HCU-0219	CRD-SV-123/0219 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A						4320	1 3
02C12 2 6	CRD-HCU-0223	CRD-SV-123/0223 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A						4320	1 3
02C12 2 6	CRD-HCU-0227	CRD-SV-123/0227 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A						4320	1 3
02C12 2 6	CRD-HCU-0231	CRD-SV-123/0231 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A						4320	1 3

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFO PLANT LOCATION	HFO MODEL NO. ROOM	Q10 AGE	TEST DRE	ANL C	F70 HOURS	C ACCURACY	FREQ TH	HL	USE
02C12 2 6	CRD-HCU-0235	CRD-SV-123/0235 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3		
02C12 2 6	CRD-HCU-0239	CRD-SV-123/0239 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3		
02C12 2 6	CRD-HCU-0243	CRD-SV-123/0243 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3		
02C12 2 6	CRD-HCU-0615	CRD-SV-123/0615 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3		
02C12 2 6	CRD-HCU-0619	CRD-SV-123/0619 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3		
02C12 2 6	CRD-HCU-0623	CRD-SV-123/0623 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3		
02C12 2 6	CRD-HCU-0627	CRD-SV-123/0627 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3		
02C12 2 6	CRD-HCU-0631	CRD-SV-123/0631 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3		
02C12 2 6	CRD-HCU-0635	CRD-SV-123/0635 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3		
02C12 2 6	CRD-HCU-0639	CRD-SV-123/0639 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3		
02C12 2 6	CRD-HCU-0643	CRD-SV-123/0643 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3		
02C12 2 6	CRD-HCU-0647	CRD-SV-123/0647 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3		

Morrow Business Forms, Inc. 57

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	BID NO. ROOM	TEST DATE	ANL. C	F/O HOURS	FREQ. ACCURACY	TH. HLT.
02C12 2 6	CRD-HCU-1011	CRD-SV-123/1011 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320	1 3	
02C12 2 6	CRD-HCU-1015	CRD-SV-123/1015 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320	1 3	
02C12 2 6	CRD-HCU-1019	CRD-SV-123/1019 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320	1 3	
02C12 2 6	CRD-HCU-1023	CRD-SV-123/1023 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320	1 3	
02C12 2 6	CRD-HCU-1027	CRD-SV-123/1027 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320	1 3	
02C12 2 6	CRD-HCU-1031	CRD-SV-123/1031 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320	1 3	
02C12 2 6	CRD-HCU-1035	CRD-SV-123/1035 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320	1 3	
02C12 2 6	CRD-HCU-1039	CRD-SV-123/1039 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320	1 3	
02C12 2 6	CRD-HCU-1043	CRD-SV-123/1043 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320	1 3	
02C12 2 6	CRD-HCU-1047	CRD-SV-123/1047 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320	1 3	
02C12 2 6	CRD-HCU-1051	CRD-SV-123/1051 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320	1 3	
02C12 2 6	CRD-HCU-1407	CRD-SV-123/1407 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320	1 3	

Marty Equipment Forms, Inc. LV

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HPG. PLANT LOCATION	HPG. MODEL NO. ROOM	QID AGING	TEST DBE	ANL C	F70 HOURS	FREQ ACCURACY	TH HL
02C12 2 6	CRD-HCU-1415	CRD-SV-123/1415 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	USE
02C12 2 6	CRD-HCU-1419	CRD-SV-123/1419 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1423	CRD-SV-123/1423 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1427	CRD-SV-123/1427 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1431	CRD-SV-123/1431 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1435	CRD-SV-123/1435 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1439	CRD-SV-123/1439 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1443	CRD-SV-123/1443 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1447	CRD-SV-123/1447 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1451	CRD-SV-123/1451 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1455	CRD-SV-123/1455 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320	1 3	
02C12 2 6	CRD-HCU-1803	CRD-SV-123/1803 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320	1 3	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MPG PLANT LOCATION	MPG MODEL NO. ROOM	QID AGEING	TEST DBE	ANL C	F/O HOURS	C ACCURACY	FREQ USE	TH. HL
02C12 2 6	CRD-HCU-1807	CRD-SV-123/1807 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3	
02C12 2 6	CRD-HCU-1811	CRD-SV-123/1811 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3	
02C12 2 6	CRD-HCU-1815	CRD-SV-123/1815 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3	
02C12 2 6	CRD-HCU-1819	CRD-SV-123/1819 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3	
02C12 2 6	CRD-HCU-1823	CRD-SV-123/1823 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3	
02C12 2 6	CRD-HCU-1827	CRD-SV-123/1827 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3	
02C12 2 6	CRD-HCU-1831	CRD-SV-123/1831 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 L5/8.4	HVA1709662A	B			4320		1 3	
02C12 2 6	CRD-HCU-1835	CRD-SV-123/1835 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3	
02C12 2 6	CRD-HCU-1839	CRD-SV-123/1839 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3	
02C12 2 6	CRD-HCU-1843	CRD-SV-123/1843 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3	
02C12 2 6	CRD-HCU-1847	CRD-SV-123/1847 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3	
02C12 2 6	CRD-HCU-1851	CRD-SV-123/1851 .5" SOLENOID INSERT DRIVE VALVE	A610 R 522 K2/8.4	HVA1709662A	B			4320		1 3	

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 16 EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QTY	TEST AND	F70	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	AGE	DRG	DRG	HOURS		ACCURACY		
EC	EQUIPMENT DESCRIPTION	DRAWING									USE
02C12 2 6	CRD-HCU-1855	CRD-SV-123/1855	A610	HVA1709662A							
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4					4320				1 3
02C12 2 6	CRD-HCU-1859	CRD-SV-123/1859	A610	HVA1709662A							
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4					4320				1 3
02C12 2 6	CRD-HCU-2203	CRD-SV-123/2203	A610	HVA1709662A							
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4					4320				1 3
02C12 2 6	CRD-HCU-2207	CRD-SV-123/2207	A610	HVA1709662A							
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4					4320				1 3
02C12 2 6	CRD-HCU-2211	CRD-SV-123/2211	A610	HVA1709662A							
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4					4320				1 3
02C12 2 6	CRD-HCU-2215	CRD-SV-123/2215	A610	HVA1709662A							
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4					4320				1 3
02C12 2 6	CRD-HCU-2219	CRD-SV-123/2219	A610	HVA1709662A							
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4					4320				1 3
02C12 2 6	CRD-HCU-2223	CRD-SV-123/2223	A610	HVA1709662A							
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4					4320				1 3
02C12 2 6	CRD-HCU-2227	CRD-SV-123/2227	A610	HVA1709662A							
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4					4320				1 3
02C12 2 6	CRD-HCU-2231	CRD-SV-123/2231	A610	HVA1709662A							
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4					4320				1 3
02C12 2 6	CRD-HCU-2235	CRD-SV-123/2235	A610	HVA1709662A							
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4					4320				1 3
02C12 2 6	CRD-HCU-2239	CRD-SV-123/2239	A610	HVA1709662A							
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4					4320				1 3

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS OF EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL.	F/O	C.	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	HS	AGING	OBJ	G	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION	DRAWING								USE		
02C12 2 6	CRD-HCU-2243	CRD-SV-123/2243	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE	R-522 K2/864										
02C12 2 6	CRD-HCU-2247	CRD-SV-123/2247	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE	R-522 K2/864										
02C12 2 6	CRD-HCU-2251	CRD-SV-123/2251	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE	R-522 K2/864										
02C12 2 6	CRD-HCU-2255	CRD-SV-123/2255	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE	R-522 K2/864										
02C12 2 6	CRD-HCU-2259	CRD-SV-123/2259	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE	R-522 K2/864										
02C12 2 6	CRD-HCU-2603	CRD-SV-123/2603	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE	R-522 L5/864										
02C12 2 6	CRD-HCU-2607	CRD-SV-123/2607	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE	R-522 L5/864										
02C12 2 6	CRD-HCU-2611	CRD-SV-123/2611	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE	R-522 L5/864										
02C12 2 6	CRD-HCU-2615	CRD-SV-123/2615	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE	R-522 L5/864										
02C12 2 6	CRD-HCU-2619	CRD-SV-123/2619	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE	R-522 L5/864										
02C12 2 6	CRD-HCU-2623	CRD-SV-123/2623	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE	R-522 L5/864										
02C12 2 6	CRD-HCU-2627	CRD-SV-123/2627	A610	HVA1709662A						4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE	R-522 L5/864										

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QTY.	TEST	AND	F/O	C.	FREQ.	TH.	HL.
LV.	SAFETY FUNCTION	PLANT LOCATION	ROOM	OS	AGING	DBE	C	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION	DRAWING						USE				
02C12 2 6	CRD-HCU-2631	CRD-SV-123/2631	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8" 4	G					4320			1 3	
02C12 2 6	CRD-HCU-2635	CRD-SV-123/2635	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8" 4	G					4320			1 3	
02C12 2 6	CRD-HCU-2639	CRD-SV-123/2639	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8" 4	G					4320			1 3	
02C12 2 6	CRD-HCU-2643	CRD-SV-123/2643	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8" 4	G					4320			1 3	
02C12 2 6	CRD-HCU-2647	CRD-SV-123/2647	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8" 4	G					4320			1 3	
02C12 2 6	CRD-HCU-2651	CRD-SV-123/2651	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8" 4	G					4320			1 3	
02C12 2 6	CRD-HCU-2655	CRD-SV-123/2655	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8" 4	G					4320			1 3	
02C12 2 6	CRD-HCU-2659	CRD-SV-123/2659	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8" 4	G					4320			1 3	
02C12 2 6	CRD-HCU-3003	CRD-SV-123/3003	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L3/8" 4	G					4320			1 3	
02C12 2 6	CRD-HCU-3007	CRD-SV-123/3007	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8" 4	G					4320			1 3	
02C12 2 6	CRD-HCU-3011	CRD-SV-123/3011	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8" 4	G					4320			1 3	
02C12 2 6	CRD-HCU-3015	CRD-SV-123/3015	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8" 4	G					4320			1 3	

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/O	C.	FREQ	TM	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	AS	RATING	DRWG	OFF	C	HOURS	ACCURACY		
02C12 2 6	CRD-HCU-3019	CRD-SV-123/3019	A610	HVA1709662A						4320		
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									1 3
02C12 2 6	CRD-HCU-3023	CRD-SV-123/3023	A610	HVA1709662A						4320		
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									1 3
02C12 2 6	CRD-HCU-3027	CRD-SV-123/3027	A610	HVA1709662A						4320		
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									1 3
02C12 2 6	CRD-HCU-3031	CRD-SV-123/3031	A610	HVA1709662A						4320		
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									1 3
02C12 2 6	CRD-HCU-3035	CRD-SV-123/3035	A610	HVA1709662A						4320		
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									1 3
02C12 2 6	CRD-HCU-3039	CRD-SV-123/3039	A610	HVA1709662A						4320		
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									1 3
02C12 2 6	CRD-HCU-3043	CRD-SV-123/3043	A610	HVA1709662A						4320		
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									1 3
02C12 2 6	CRD-HCU-3047	CRD-SV-123/3047	A610	HVA1709662A						4320		
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									1 3
02C12 2 6	CRD-HCU-3051	CRD-SV-123/3051	A610	HVA1709662A						4320		
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									1 3
02C12 2 6	CRD-HCU-3055	CRD-SV-123/3055	A610	HVA1709662A						4320		
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									1 3
02C12 2 6	CRD-HCU-3059	CRD-SV-123/3059	A610	HVA1709662A						4320		
	.5" SOLENOID INSERT DRIVE VALVE		R 522 K2/8.4									1 3
02C12 2 6	CRD-HCU-3403	CRD-SV-123/3403	A610	HVA1709662A						4320		
	.5" SOLENOID INSERT DRIVE VALVE		R 522 L5/8.4									1 3

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS I/E EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	REG.	MFG. MODEL NO.	BID	TEST	ANL	F70	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	AS	AGING	DBE	C	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION	DRAWING						USE				
02C12 2 6	CRD-HCU-3407	CRD-SV-123/3407	A610	HVA1709662A				4320		1	3	
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4										
02C12 2 6	CRD-HCU-3411	CRD-SV-123/3411	A610	HVA1709662A				4320		1	3	
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4										
02C12 2 6	CRD-HCU-3418	CRD-SV-123/3418	A610	HVA1709662A				4320		1	3	
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4										
02C12 2 6	CRD-HCU-3419	CRD-SV-123/3419	A610	HVA1709662A				4320		1	3	
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4										
02C12 2 6	CRD-HCU-3423	CRD-SV-123/3423	A610	HVA1709662A				4320		1	3	
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4										
02C12 2 6	CRD-HCU-3427	CRD-SV-123/3427	A610	HVA1709662A				4320		1	3	
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4										
02C12 2 6	CRD-HCU-3431	CRD-SV-123/3431	A610	HVA1709662A				4320		1	3	
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4										
02C12 2 6	CRD-HCU-3435	CRD-SV-123/3435	A610	HVA1709662A				4320		1	3	
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4										
02C12 2 6	CRD-HCU-3439	CRD-SV-123/3439	A610	HVA1709662A				4320		1	3	
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4										
02C12 2 6	CRD-HCU-3443	CRD-SV-123/3443	A610	HVA1709662A				4320		1	3	
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4										
02C12 2 6	CRD-HCU-3447	CRD-SV-123/3447	A610	HVA1709662A				4320		1	3	
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4										
02C12 2 6	CRD-HCU-3451	CRD-SV-123/3451	A610	HVA1709662A				4320		1	3	
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4										

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WWP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	HFO PLANT LOCATION	HFO MODEL NO. ROOM	QID AGEING	TEST OBE	ANL C	F70 HOURS	C ACCURACY	FREQ TH	HL
02C12 2 6	CRD-HCU-3455	CRD-SV-123/3455 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3459	CRD-SV-123/3459 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3803	CRD-SV-123/3803 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3807	CRD-SV-123/3807 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3811	CRD-SV-123/3811 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3815	CRD-SV-123/3815 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3819	CRD-SV-123/3819 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3823	CRD-SV-123/3823 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3827	CRD-SV-123/3827 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3831	CRD-SV-123/3831 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3835	CRD-SV-123/3835 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3839	CRD-SV-123/3839 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3	

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 UHP-2 CLASS OF EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HPG PLANT LOCATION	HPG MODEL NO. ROOM	QID AGE	TEST OBE	ANL C	F/O HOURS	CI ACCURACY	FREQ TH	HL
EC											USE
02C12 2 6	CRD-HCU-3843	CRD-SV-123/3843 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3847	CRD-SV-123/3847 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3851	CRD-SV-123/3851 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3855	CRD-SV-123/3855 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-3859	CRD-SV-123/3859 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 K2/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-4203	CRD-SV-123/4203 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-4207	CRD-SV-123/4207 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-4211	CRD-SV-123/4211 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-4215	CRD-SV-123/4215 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-4219	CRD-SV-123/4219 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-4223	CRD-SV-123/4223 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	
02C12 2 6	CRD-HCU-4227	CRD-SV-123/4227 .5" SOLENOID INSERT DRIVE VALVE	A610	HVA1709662A R 522 L5/8.4	B			4320		1 3	

WASHINGTON POWER SUPPLY SYSTEM
 WWP-2 CLASS II EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	NFG.	NFG MODEL NO. PLANT LOCATION	ROOM	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING				ACTG	PRF	C	HOURS	ACCURACY	USE		
02C12 2 0	CRD-HCU-4231	CRD-SV-123/4231	A610	HVA1709662A	R 522 K2/8.4	B					4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE												
02C12 2 6	CRD-HCU-4235	CRD-SV-123/4235	A610	HVA1709662A	R 522 K2/8.4	B					4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE												
02C12 2 0	CRD-HCU-4239	CRD-SV-123/4239	A610	HVA1709662A	R 522 K2/8.4	B					4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE												
02C12 2 6	CRD-HCU-4243	CRD-SV-123/4243	A610	HVA1709662A	R 522 K2/8.4	B					4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE												
02C12 2 6	CRD-HCU-4247	CRD-SV-123/4247	A610	HVA1709662A	R 522 K2/8.4	B					4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE												
02C12 2 6	CRD-HCU-4251	CRD-SV-123/4251	A610	HVA1709662A	R 522 K2/8.4	B					4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE												
02C12 2 6	CRD-HCU-4255	CRD-SV-123/4255	A610	HVA1709662A	R 522 K2/8.4	B					4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE												
02C12 2 6	CRD-HCU-4259	CRD-SV-123/4259	A610	HVA1709662A	R 522 K2/8.4	B					4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE												
02C12 2 6	CRD-HCU-4607	CRD-SV-123/4607	A610	HVA1709662A	R 522 L5/8.4	B					4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE												
02C12 2 6	CRD-HCU-4611	CRD-SV-123/4611	A610	HVA1709662A	R 522 L5/8.4	B					4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE												
02C12 2 6	CRD-HCU-4615	CRD-SV-123/4615	A610	HVA1709662A	R 522 L5/8.4	B					4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE												
02C12 2 6	CRD-HCU-4619	CRD-SV-123/4619	A610	HVA1709662A	R 522 L5/8.4	B					4320	1	3
	.5" SOLENOID INSERT DRIVE VALVE												

Merry Equipment Firm, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	HFO.	HFO MODEL NO.	DR	BIO	TEST	ANL	F/O	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	DR	DR	DR	DR	DR	DR	DR	DR	DR	DR
EC	EQUIPMENT DESCRIPTION	DRAWING									USE		
02C12	CRD-HCU-4623	CRD-SV-123/4623	A610	HVA1709662A									
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4			B						4320	1 3	
02C12	CRD-HCU-4627	CRD-SV-123/4627	A610	HVA1709662A									
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4			B						4320	1 3	
02C12	CRD-HCU-4631	CRD-SV-123/4631	A610	HVA1709662A									
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4			B						4320	1 3	
02C12	CRD-HCU-4635	CRD-SV-123/4635	A610	HVA1709662A									
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4			B						4320	1 3	
02C12	CRD-HCU-4639	CRD-SV-123/4639	A610	HVA1709662A									
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4			B						4320	1 3	
02C12	CRD-HCU-4643	CRD-SV-123/4643	A610	HVA1709662A									
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4			B						4320	1 3	
02C12	CRD-HCU-4647	CRD-SV-123/4647	A610	HVA1709662A									
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4			B						4320	1 3	
02C12	CRD-HCU-4651	CRD-SV-123/4651	A610	HVA1709662A									
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4			B						4320	1 3	
02C12	CRD-HCU-4655	CRD-SV-123/4655	A610	HVA1709662A									
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4			B						4320	1 3	
02C12	CRD-HCU-5011	CRD-SV-123/5011	A610	HVA1709662A									
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4			B						4320	1 3	
02C12	CRD-HCU-5015	CRD-SV-123/5015	A610	HVA1709662A									
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4			B						4320	1 3	
02C12	CRD-HCU-5019	CRD-SV-123/5019	A610	HVA1709662A									
2 6	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4			B						4320	1 3	

Moody Research Corp., Inc. NY

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 HWP-2 CLASS 10 EQUIPMENT LIST

DATE 01/12/82 PAGE 127

CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QTY	TEST	ANL.	F/O.	C.	FREQ.	TH.	HL.
LV.	SAFETY FUNCTION	PLANT LOCATION	ROOM	NS	NS	NS	NS	NS	NS	NS	NS	NS
EC	EQUIPMENT DESCRIPTION	DRAWING						HOURS	ACCURACY	USE		
02C12 2 G	CRD-HCU-5023	CRD-SV-123/5023	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R-522 L5/8.4						4320		1.3		
02C12 2 B	CRD-HCU-5027	CRD-SV-123/5027	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R-522 L5/8.4						4320		1.3		
02C12 2 G	CRD-HCU-5031	CRD-SV-123/5031	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R-522 K2/8.4						4320		1.3		
02C12 2 B	CRD-HCU-5039	CRD-SV-123/5039	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R-522 K2/8.4						4320		1.3		
02C12 2 G	CRD-HCU-5039	CRD-SV-123/5039	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R-522 K2/8.4						4320		1.3		
02C12 2 G	CRD-HCU-5043	CRD-SV-123/5043	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R-522 K2/8.4						4320		1.3		
02C12 2 B	CRD-HCU-5047	CRD-SV-123/5047	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R-522 K2/8.4						4320		1.3		
02C12 2 G	CRD-HCU-5051	CRD-SV-123/5051	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R-522 K2/8.4						4320		1.3		
02C12 2 B	CRD-HCU-5419	CRD-SV-123/5419	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R-522 L5/8.4						4320		1.3		
02C12 2 G	CRD-HCU-5419	CRD-SV-123/5419	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R-522 L5/8.4						4320		1.3		
02C12 2 B	CRD-HCU-5423	CRD-SV-123/5423	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R-522 L5/8.4						4320		1.3		
02C12 2 B	CRD-HCU-5427	CRD-SV-123/5427	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R-522 L5/8.4						4320		1.3		

Harris Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	WPP	WPP MODEL NO.	WPP NO.	TEST	ANL	F/O	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	ASGNS	DR	C	HOURS	ACCURACY	USE			
EC	EQUIPMENT DESCRIPTION	DRAWING										
02C12 2 6	CRD-HCU-5431	CRD-SV-123/5431	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								4320	1 3	
02C12 2 6	CRD-HCU-5435	CRD-SV-123/5435	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								4320	1 3	
02C12 2 6	CRD-HCU-5439	CRD-SV-123/5439	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								4320	1 3	
02C12 2 6	CRD-HCU-5443	CRD-SV-123/5443	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								4320	1 3	
02C12 2 6	CRD-HCU-5447	CRD-SV-123/5447	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								4320	1 3	
02C12 2 6	CRD-HCU-5819	CRD-SV-123/5819	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								4320	1 3	
02C12 2 6	CRD-HCU-5823	CRD-SV-123/5823	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								4320	1 3	
02C12 2 6	CRD-HCU-5827	CRD-SV-123/5827	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 L5/8.4								4320	1 3	
02C12 2 6	CRD-HCU-5831	CRD-SV-123/5831	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								4320	1 3	
02C12 2 6	CRD-HCU-5835	CRD-SV-123/5835	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								4320	1 3	
02C12 2 6	CRD-HCU-5839	CRD-SV-123/5839	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								4320	1 3	
02C12 2 6	CRD-HCU-5843	CRD-SV-123/5843	A610	HVA1709662A								
	.5" SOLENOID INSERT DRIVE VALVE	R 522 K2/8.4								4320	1 3	

MCPRO Equipment Form, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGE	TEST DHE	ANL C	F/O HOURS	C ACCURACY	FREQ USE	TM HL
58 2 6	E-IR-63+	CSP-DPIS-4 PRIMARY SECONDARY CONTAIN. IR-63	B080 R 501 L4/943	288A M543 C14	R309 BB	086001	1 4	0.0		04	N
58 2 6	E-IR-64+	CSP-DPIS-5 ATMOS. SECONDARY CONTAIN. IR-64	B080 R 501 N-0/511	288A M543 C5	R309 BB	086001	1 4	0.0		04	N
58 2 6	E-IR-64+	CSP-DPIS-6 ATMOS. SECONDARY CONTAIN. IR-64	B080 R 501 N-0/511	288A M543 C6	R309 BB	086001	1 4	0.0		04	N
68 2 B1,F	CSP-V-1+	CSP-LMS-1 LMS FOR CSP-V-1	N015 R 508 N-5/766	D2400X M543 D5		200009				4320	2 3
H68 2 B1,F	CSP-V-2+	CSP-LMS-2 LMS FOR CSP-V-2	N015 R 508 N-5/764	D2400X M543 D6		200009				4320	2 3
68 2 B1,F	CSP-V-3+	CSP-LMS-3 LMS FOR CSP-V-3	N015 R 481 N-6/766	D2400X M543 D5		200009				4320	2 3
68 2 B1,F	CSP-V-4+	CSP-LMS-4 LMS FOR CSP-V-4	N015 R 478 N-6/766	D2400X M543 D5		200009				4320	2 3
68 2 B1,F	CSP-V-5+	CSP-LMS-5 LMS FOR CSP-V-5	N015 R 475 N-7/863	D2400X M543 D5		200015	1 4	0.0		4320	35 N
68 2 B1,F	CSP-V-6+	CSP-LMS-6 LMS FOR CSP-V-6	N015 R 480 N-5/767	D2400X M543 B14		200015	1 4	0.0		4320	35 N
68 2 B1,F	CSP-V-9+	CSP-LMS-9 LMS FOR CSP-V-9	N015 R 490 N-9/541	D2400X M543 B6		200009				4320	2 3
213 3 B1,F	E-CP-VB/1A+	CSP-RLY-10CR RLY CLOSE IND CSP-V-10 PNL VB-1A	S440 R 471 H3/8	219 BBXP E519/11 D3	R212 XA	283041				4320	2 3
213 3 B1,F	E-CP-VB/1A+	CSP-RLY-10R1 RLY CLOSE IND CSP-V-10 PNL VB-1A	0121 R 471 H3/8	WE-74/EX-2 E519/11 F4	R212 BA	283017	2 1	0.0		4320	33+ N

Murray Building Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

UNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MPB	MPB MODEL NO.	QID	TEST	PHAS	F/O	C	FREQ	TH	HL	
LV	EC	SAFETY FUNCTION	PLANT LOCATION	ROOM	OS	AGING	DBP	C	HOURS	ACCURACY			
		EQUIPMENT DESCRIPTION	DRAWING									USE	
213	3	E-CP-VB/1A	CSP-RLY-10R2	D121	ME-74/EX-2		R212	BA	283017	2 1	0.0	33+	N
		RLY CLOSE IND CSP-V-10	PNL VB-1A	R 471 H3/8	E519/11 E4				4320	2 3			
213	3	E-CP-VB/1A	CSP-RLY-10R5	D121	ME-74/EX-2		R212	BA	283017	2 1	0.0	33+	N
		RLY OPEN IND CSP-V-10	PNL VB-1A	R 471 H3/8	E519/11 D4				4320	2 3			
213	3	E-CP-VB/1A	CSP-RLY-7CR	S440	219 88XP		R212	BA	283041				
		RLY CLOSE IND CSP-V-7	PNL VB-1A	R 471 H3/8	E519/11 D3				4320	2 3			
213	3	E-CP-VB/1A	CSP-RLY-7R1	D121	ME-74/EX-2		R212	BA	283017	2 1	0.0	33+	N
		RLY CLOSE IND CSP-V-7	PNL VB-1A	R 471 H3/8	E519/11 F4				4320	2 3			
213	3	E-CP-VB/1A	CSP-RLY-7R2	D121	ME-74/EX-2		R212	BA	283017	2 1	0.0	33+	N
		RLY CLOSE IND CSP-V-7	PNL VB-1A	R 471 H3/8	E519/11 E4				4320	2 3			
213	3	E-CP-VB/1A	CSP-RLY-7R5	D121	ME-74/EX-2		R212	BA	283017	2 1	0.0	33+	N
		RLY OPEN IND CSP-V-7	PNL VB-1A	R 471 H3/8	E519/11 D4				4320	2 3			
213	3	E-CP-VB/1A	CSP-RLY-8CR	S440	219 88XP		R212	BA	283041				
		RLY CLOSE IND CSP-V-8	PNL VB-1A	R 471 H3/8	E519/11 D3				4320	2 3			
213	3	E-CP-VB/1A	CSP-RLY-8R1	D121	ME-74/EX-2		R212	BA	283017	2 1	0.0	33+	N
		RLY CLOSE IND CSP-V-8	PNL VB-1A	R 471 H3/8	E519/11 F4				4320	2 3			
213	3	E-CP-VB/1A	CSP-RLY-8R2	D121	ME-74/EX-2		R212	BA	283017	2 1	0.0	33+	N
		RLY CLOSE IND CSP-V-8	PNL VB-1A	R 471 H3/8	E519/11 E4				4320	2 3			
213	3	E-CP-VB/1A	CSP-RLY-8R5	D121	ME-74/EX-2		R212	BA	283017	2 1	0.0	33+	N
		RLY OPEN IND CSP-V-8	PNL VB-1A	R 471 H3/8	E519/11 D4				4320	2 3			
58	3	E-IR-64	CSP-SPV-9	F120	67ER		R305	AM	315015	2 1	0.0	33+	N
		SOLENOID PILOT FOR CSP-V-9 IR-64		R 301 N.0/5.1	M543 B6				4320	2 3			
49	2	E-MC-8B	E-CB-MC/8B/A	1005	TYPE H								
		BRKR TO E-MC-8BA		R 422 N.0/3.8	E503/8				4320	1 3			

Moore Business Forms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MHP-2 CLASS EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT	MFG MODEL NO. LOCATION	QTY	TEST AGE	ANL C	F70 HOURS	C. ACCURACY	FREQ USE	TM HL
49 2	H E-NC-8B+	E-CB-NC/8B/B BRKR TO E-NC-8BB	1005	TYPE M R 522 H 0/348 E503/8	B			4320	1 3		
49 2	H E-NC-7B+	E-CB-NC7BA BRKR TO E-NC-7BA	1005	R 522 H 4/841 E503/8	A			4320	1 3		
49 2	H E-NC-7B+	E-CB-NC7BB BRKR TO E-NC-7BB	1202	R 522 H 1/843 E503/8	A			4320	1 3		
47A 2	E E-SH-9+	E-CB-RPT3A DUAL TRIP BRKR TO RRC-P-1A	W120	24Y9836B11 R 475 L 4/943 E502/4 J14	DN	049007		4320	2 0		F
47A 2	E E-SH-10+	E-CB-RPT3B DUAL TRIP BRKR TO RRC-P-1B	W120	24Y9836B11 R 475 K 3/940 E502/4 J8	DN	049007		4320	2 0		F N
47A 2	E E-SH-11+	E-CB-RPT4A DUAL TRIP BRKR TO RRC-P-1A	W120	24Y9836B11 R 522 H 7/848 E502/4 G14	DN	049007		4320	2 0		F N
47A 2	E E-SH-12+	E-CB-RPT4B DUAL TRIP BRKR TO RRC-P-1B	W120	24Y9836B11 R 522 H 7/848 E502/4 H8	DN	049007		4320	2 0		F N
55 3	H CONNECTOR	E-CONN-X100A/01	A380	AMPHENOL JACK#82-503 C 507 98 D AZ R40 E539/30	RA	049001		4320	1 3		
55 3	H CONNECTOR	E-CONN-X100A/02	A380	AMPHENOL PLUG#28650 C 507 98 D AZ R40 E539/30	RA	049002		4320	1 3		
55 3	H CONNECTOR	E-CONN-X100B/01	A380	AMPHENOL JACK#82-503 C 507 102 D AZ R40 E539/30	RA	049001		4320	1 3		
55 3	H CONNECTOR	E-CONN-X100B/02	A380	AMPHENOL PLUG#28650 C 507 102 D AZ R40 E539/30	RA	049002		4320	1 3		
55 3	H CONNECTOR	E-CONN-X100C/01	A380	AMPHENOL JACK#82-503 C 511 315 D AZ R40 E539/30	RA	049001		4320	1 3		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

WPP-2 CLASS 16 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL.	F/O	C.	FREQ.	TR.	HL.
EC	SAFETY FUNCTION	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	OS	AGING	DBE	C	HOURS	ACCURACY		
				DRAWING								USE
55 3 H		E-CONN-X100C/02	A380	AMPHENOL PLUG#28650	049002							
	CONNECTOR	C-511 315 D AZ R40		E539/30					4320			1 3
55 3 H		E-CONN-X100D/01	A380	AMPHENOL JACK#82-503	049001							
	CONNECTOR	C-511 322 D AZ R40		E539/30					4320			1 3
55 3 H		E-CONN-X100D/02	A380	AMPHENOL PLUG#28650	049002							
	CONNECTOR	C-511 322 D AZ R40		E539/30					4320			1 3
218 3 H		E-CONN-X102A/01	A382	SOLIDSTRAND 34130	049006							
	CONNECTOR (SPLICE)	C-534 185 D AZ R40							4320			1 3
218 3 H		E-CONN-X102A/02	R098	MCSF-N SHRINK TUBE	049007							
	CONNECTOR	2 C-534 185 D AZ R40							4320			1 3
218 3 H		E-CONN-X102B/01	A382	SOLIDSTRAND 34130	049006							
	CONNECTOR (SPLICE)	C-534 219 D AZ R40							4320			1 3
218 3 H		E-CONN-X102B/02	R098	MCSF-N SHRINK TUBE	049007							
	CONNECTOR	C-534 219 D AZ R40							4320			1 3
1 D		E-CP-CAC/HR1A+	A136	S/N P-2040								
	HYDROGEN RECOMBINER CONTROL PNL 1A	R 572 M-4/5-6		71-00-0184								1 0
1 D		E-CP-CAC/HR1B+	A136	S/N P-2041								
	HYDROGEN RECOMBINER CONTROL PNL 1B	R 572 M-7/8-5		71-00-0104								1 0
218 1 H		E-CP-VB/1A+										
	VAC BRKR RLY PNL	R 471 H7/8-3		E545/158								F
49 3 H		E-MC-8BB+	E-EMSQ-CACFN1B	I202	CN 5641-DBDAR	117004						
	MEAN SQ VLT DEVICE	R 573 M-7/8-2		E503/12					4320			F
49 3 H		E-MC-8BB+	E-EMSQ-SGTFN1A2	I202	5641-DACAB	117004						
	MEAN SQ VLT DEVICE	R 576 M-7/8-2		E503/12					4320			F

Alpha Business Forms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SHEET/FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	BID NO.	TEST ANL. C	F70 C	FREQ. ACCURACY	TH	HL
02	1 H	E-IR-P001+ R 471 K74.2	6082 M568 D13	R208 AA	185003	2 1	0.3	1.0	F	N
02	1 H	E-IR-P002+ R 522 N75.0	6082 M569 D10	R408 AA	185003	2 1	0.3	2.3	F	N
02	1 H	E-IR-P004+ R 522 J577.2	6082 M569 D13	AA	185003	2 1	0.3	1.3	F	N
02	1 H	E-IR-P005+ R 522 N775.6	6082 M569 F9	R404 AA	185003	2 1	0.3	1.3	F	N
02	1 H	E-IR-P006+ R 471 L574.1	6082 M568 H12	AA	185003	2 1	0.3	2.3	F	N
02	1 H	E-IR-P008+ R 522 N779.3	6082 M569 C18	AA	185003	2 1	0.3	1.3	F	N
02	1 H	E-IR-P009+ R 471 J778.8	6082 M568 D13	AA	185003	2 1	0.3	2.2	F	N
02	2 H	E-IR-P010+ R 471 M574.5	6082 M568 G11	AA	185003	2 1	0.3	2.2	F	N
02	1 H	E-IR-P011+ R 568 N874.3	6082 M569 G4	R504 AA	185003	2 1	0.3	2.3	F	N
02	1 H	E-IR-P015+ R 501 N777.3	6082 M568 E8	R303 AA	185003	2 1	0.3	1.3	F	N
02	1 H	E-IR-P017+ R 471 L78	6082 M568 D12	AA	185003	2 1	0.3	2.2	F	N
02	1 H	E-IR-P018+ R 501 J.573.8	6080 M568	AA	185003	2 1	0.3	1.3	F	N

RHR-INST RACK DIV 1

Morrison Knudsen Corp., Inc. 87

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPPSS CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 134

CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	SAFETY FUNCTION	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DRWG	AGING	CHG	HOURS	ACCURACY	USE		
02 1 H	E-IR-P021+	G082	R 501 H9/9.3	R305	AA	185003	2 1	0.3			F	N
			M568 CB						1.3			
02 1 H	E-IR-P022+	G082	R 471 M5/7.9	AA		185003	2 1	0.3			F	N
			M568 D11						2.3			
02 1 H	E-IR-P024+	G080	R 471 L2/3.9	A								
			M568						1.3			
02 1 H	E-IR-P025+	G082	R 501 L9/3.7	R305	AA	185003	2 1	0.3			F	N
			M568 H5						1.3			
02 1 H	E-IR-P026+	G082	R 522 J8/4.6	R404	AA	185003	2 1	0.3			F	N
			M569 G13						1.3			
02 1 H	E-IR-P027+	G082	R 522 M8/6.6	R404	AA	185003	2 1	0.3			F	N
			M569 E77						1.3			
02 1 H	E-IR-P029+	G082	R 471 K9/3.8	R206	AA	185003	2 1	0.3			F	N
			M568 M12						1.0			
02 1 H	E-IR-P030+	G082	R 501 L6/3.5	R305	AA	185003	2 1	0.3			F	N
			M568 H6						1.3			
02 1 H	E-IR-P032+	G082	R 501 L5/3.5	R305	AA	185003	2 1	0.3			F	N
			M568 H5						1.3			
02 1 H	E-IR-P033+	G083	R 501 H8/8.3	AA		185003	2 1	0.3			F	N
			M568 DB						1.3			
02 1 H	E-IR-P039+	G082	R 522 M7/7	AA			2 1	0.3			F	N
			M569 E10						1.0			
02 1 H	E-IR-P040+	G082	R 522 H2/4.2	AA			2 1	0.3			F	N
			M569 H10						1.0			

Mesa Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WNP-2 CLASS EQUIPMENT LIST

DATE 01/12/82 PAGE 135

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QTY	TEST	ANL	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	BS	AGING	DEF	C	HOURS	ACCURACY	USE		
58 1 H	E-IR-61+	R 422 N1/385	M567 H10	AA	185002	2 1	0.1			33	F	N
	R BLDG INSTRU RACK DIV II							1 0				
58 1 H	E-IR-62+	R 471 H4/648	M568 E14	R206 AA	185002	2 1	0.1			33	F	N
	IR BLDG INSTRU RACK DIV I							1 0				
58 1 H	E-IR-63+	R 501 J035	M568 C6	R309 AA	185002	2 1	0.1			33	F	N
	R BLDG INSTRU RACK DIV II							1 0				
58 1 H	E-IR-64+	R 501 N7488	M568 G4	R309 AA	185002	2 1	0.1			33	F	N
	R BLDG INSTRU RACK DIV II							1 0				
58 1 H	E-IR-65+	R 471 N/4	M568 H10	R206 AA	185002	2 1	0.1			33	F	N
	R BLDG INSTRU RACK DIV I							1 0				
58 1 H	E-IR-66+	R 501 N82513	M568 F3	R309 AA	185002	2 1	0.1			33	F	N
	R BLDG INSTRU RACK DIV I							1 0				
58 1 H	E-IR-67+	R 548 H8/567	M569 F4	R504 AA	185002	2 1	0.1			33	F	N
	R BLDG INSTRU RACK DIV I							1 0				
58 1 H	E-IR-68+	R 548 H7/8.1	M569 D8	R504 AA	185002	2 1	0.1			33	F	N
	R BLDG INSTRU RACK DIV II							1 0				
58 1 H	E-IR-69+	R 522 N/8.1	M569 D10	R404 AA	185002	2 1	0.1			33	F	N
	R BLDG INSTRU RACK DIV II							1 0				
58 1 H	E-IR-70+	R 522 J/4	M569 H14	R404 AA	185002	2 1	0.1			33	F	N
	RCC INSTRU RACK DIV II							2 3				
58 1 H	E-IR-71+	R 522 J/6.7	M569 E14	R406 AA	185002	2 1	0.1			33	F	N
	R BLDG INSTRU RACK DIV I							2 3				
58 1 H	E-IR-72+	R 522 J7/8.3	M569 D13	R404 AA	185002	2 1	0.1			33	F	N
	CONT INSTRU AIR INSTRU RACK							2 3				

Morse-Brownell Form, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS-1E EQUIPMENT LIST

DATE 01/12/82 PAGE 136

CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	RFG.	TYPE MODEL NO.	QID	TEST	ANL	F70	C	FREQ	TH	HL
LV.	SAFETY FUNCTION	PLANT LOCATION	ROOM	OS	APNO	OBE	C	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION	DRAWING								USE		
58	E-IR-73+	R 522 H4/4.2	M569 618	M404	AA	185002	2 1	0.1		33	F	N
1	H	MSIV LEAKAGE CONTROL IR								1 0		
58	E-IR-74+	R 522 H4/7	M569 E1A	M404	AA	185002	2 1	0.1		33	F	N
1	H	MSIV LEAKAGE CONTROL IR								1 0		
49	E-MC-S2/1A+	1202 R 47A H4/7/7.8	5640VC-111SPL-C1090	R208	AA	216001	2 5	0.0		08	F	N
1	H	MOTOR CONTROL CENTER S2-1A	E505 614							1 3		
49	E-MC-78+	1202 R 522 H45/8.3	5640VB-111C108-C1090	R411	AA	216001	2 5	0.0		08	F	N
1	H	MOTOR CONTROL CENTER 78	E503/8 612							2 3		
49	E-MC-78A+	1202 R 522 H47/8.3	5640VB-111C108-C1090	R211	AA	216001	2 5	0.0		08	F	N
1	H		E503/7 H12							2 3		
49	E-MC-78B+	1202 R 572 H4/5.8	5640VB-111C108-C1090	R611	AA	216001	2 5	0.0		08	F	N
1	H		E503							2 3		
49	E-MC-88+	1202 R 522 H40/3.5	5640VA-111SPL-C1090	R410	AA	216001	2 5	0.0		08	F	N
1	H	MOTOR CONTROL CENTER 88	E503/8C12							2 3		
49	E-MC-88A+	1202 R 522 H40/3.9	5640VC-111SPL-C1090	R410	AA	216001	2 5	0.0		08	F	N
1	H		E503/7 H12							2 3		
49	E-MC-88B+	1202 R 572 H4/5.8	5640VC-111SPL-C1090	R612	AA	216001	2 5	0.0		08	F	N
1	H		E503/12 F12							2 3		
218	E-PP-7AE+	S345 R 47A H2/9.3	QM-02693-28EF6	R206	AA	252002	2 1	0.0		10		N
1	H		E508/1							1 3		
218	E-PP-8AE+	S345 R 47A 8.5/N	QMB		AA	252002	2 1	0.0		10		N
1	H		E508/1							1 3		
49	E-MC-78B+	S440 R 572 H4/5.8	219BBXP		B	4320				1 0		
3	D	RELAY CUB/2F	E535/44A-E									

Morse-Barnett Form, Inc. 17

WASHINGTON PUBLIC POWER AND LIGHTS DEPARTMENT
 WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 137

CONTRACT NO. LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QTY	TEST AGEING	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
49 3	D	E-MC-8BB+ RELAY CUB/80	E-RLY-CACEN1B R 572 H.7/8.3	S440 E935/56A-H	219BBXP			4320		1	0
49 3	C	E-MC-7BA+ RELAY CUB/1B	E-RLY-LPCSFV11 R 522 H.7/8.3	S440 E935/43A-H	219BBXP			4320		1	0
49 3	C	E-MC-7BA+ RELAY CUB/1B	E-RLY-LPCSV1 R 522 H.7/8.3	S440 E935/43A-H	219BBXP			4320		1	0
49 3	C	E-MC-7BA+ RELAY CUB/1B	E-RLY-LPCSV12 R 522 H.7/8.3	S440 E935/43A-H	219BBXP			4320		2	0
49 3	C	E-MC-7BA+ RELAY CUB/1B	E-RLY-LPCSV5 R 522 H.7/8.3	S440 E935/43A-H	219BBXP			4320		1	0
49 3	F	E-MC-7BA+ RELAY CUB/80	E-RLY-MSLCHTRA R 522 H.7/8.3	S440 E935/43A-H	219BBXP			24		1	0
49 3	F	E-MC-7BA+ RELAY CUB/80	E-RLY-MSLCHTRB R 522 H.7/8.3	S440 E935/43A-H	219BBXP			24		1	0
49 3	F	E-MC-7BA+ RELAY CUB/80	E-RLY-MSLCHTRC R 522 H.7/8.3	S440 E935/43A-H	219BBXP			24		1	0
49 3	F	E-MC-7BA+ RELAY CUB/80	E-RLY-MSLCHTRD R 522 H.7/8.3	S440 E935/43A-H	219BBXP			24		1	0
49 3	F	E-MC-7BA+ RELAY CUB/4C	E-RLY-MSLCV1A R 522 H.7/8.3	S440 E935/43A-H	219BBXP			4320		1	0
49 3	F	E-MC-7BA+ RELAY CUB/4C	E-RLY-MSLCV1B R 522 H.7/8.3	S440 E935/43A-H	219BBXP			4320		1	0
49 3	F	E-MC-7BA+ RELAY CUB/4C	E-RLY-MSLCV1C R 522 H.7/8.3	S440 E935/43A-H	219BBXP			4320		1	0

Alamo Business Forms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 138

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO. PLANT LOCATION	MFG# ROOM	MFG MODEL NO. DRAWING	QID AGEING	TEST DRE	ANL C	F70 HOURS	CT ACCURACY	FREQ TH	HL
49 3 F	E-MC-7BA+ RELAY: CUB/4C	E-RLY-MSLCV10 R: 522 H.7/8.3	S440	219BBXP E535/43A-H	A			4320	1 0		
49 3 F	E-MC-8B+ RELAY: CUB/7E	E-RLY-MSLCV10 R: 522 H.0/3.5	S440	219BBXP E535/44A-F	B			4320	1 0		
49 3 F	E-MC-8B+ RELAY: CUB/7E CTRL 2A,B,C,D	E-RLY-MSLCV12 R: 522 H.0/3.5	S440	219BBXP E535/44A-F	B			4320	1 0		
49 3 F	E-MC-7BA+ RELAY: CUB/8D	E-RLY-MSLCV2A R: 522 H.7/8.3	S440	219BBXP E535/43A-H	A			4320	1 0		
49 3 F	E-MC-7BA+ RELAY: CUB/4C	E-RLY-MSLCV2B R: 522 H.7/8.3	S440	219BBXP E535/43A-H	A			4320	1 0		
49 3 F	E-MC-7BA+ RELAY: CUB/8D	E-RLY-MSLCV2C R: 522 H.7/8.3	S440	219BBXP E535/43A-H	A			4320	1 0		
49 3 F	E-MC-7BA+ RELAY: CUB/4C	E-RLY-MSLCV2D R: 522 H.7/8.3	S440	219BBXP E535/43A-H	A			4320	1 0		
49 3 F	E-MC-7BA+ RELAY: CUB/8D	E-RLY-MSLCV3A R: 522 H.7/8.3	S440	219BBXP E535/43A-H	A			4320	1 0		
49 3 F	E-MC-7BA+ RELAY: CUB/8D	E-RLY-MSLCV3B R: 522 H.7/8.3	S440	219BBXP E535/43A-H	A			4320	1 0		
49 3 F	E-MC-7BA+ RELAY: CUB/8D	E-RLY-MSLCV3C R: 522 H.7/8.3	S440	219BBXP E535/43A-H	A			4320	1 0		
49 3 F	E-MC-7BA+ RELAY: CUB/4C	E-RLY-MSLCV3D R: 522 H.7/8.3	S440	219BBXP E535/43A-H	A			4320	1 0		
49 3 F	E-MC-8B+ RELAY: CUB/7E	E-RLY-MSLCV4 R: 522 H.0/3.5	S440	219BBXP E535/44A-F	B			4320	1 0		

Alpha Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS EQUIPMENT LIST

DATE 01/12/82 PAGE 139

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. NO. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGING	TEST OBS	ANL. C	F/O HOURS	C	FREQ ACCURACY	TH HL
49	E-MC-8B+	E-RLY-MSLCV5	S440	219BBXP							
3	F	RELAY CUB/7E	R 522 N.0/3.5	E535/55A-F				4320		1.0	
49	E-MC-8B+	E-RLY-MSLCV9	S440	219BBXP							
3	F	RELAY CUB/7E	R 522 N.0/3.5	E535/55A-F				4320		1.0	
49	E-MC-8BA+	E-RLY-RCICV63	S440	219BBXP							
3	B1+C	RELAY CUB/7C	R 522 N.0/3.5	E535/55A-F				24		2.1	
49	E-MC-7BA+	E-RLY-RHRV11A	S440	219BBXP							
3	B1+C,E	RELAY CUB/AC	R 522 N.0/3.5	E535/43A-H				4320		1.1	
49	E-MC-8BA+	E-RLY-RHRV11B	S440	219BBXP							
3	B1+C,E	RELAY CUB/7C	R 522 N.0/3.5	E535/55A-F				4320		1.1	
49	E-MC-7BB+	E-RLY-RHRV16A	S440	219BBXP							
3	B1+C,E	RELAY CUB/8B	R 572 N.4/3.8	E535/44A-E				24		1.0	
49	E-MC-8BA+	E-RLY-RHRV16B	S440	219BBXP							
3	B1+C,E	RELAY CUB/7C	R 522 N.0/3.5	E535/55A-F				24		1.0	
49	E-MC-7BB+	E-RLY-RHRV17A	S440	219BBXP							
3	B1+C,E	RELAY CUB/8B	R 572 N.4/3.8	E535/44A-E				24		1.0	
49	E-MC-8BA+	E-RLY-RHRV17B	S440	219BBXP							
3	B1+C,E	RELAY CUB/7C	R 522 N.0/3.5	E535/55A-F				24		1.0	
49	E-MC-8BA+	E-RLY-RHRV21	S440	219BBXP							
3	B1+C,E	RELAY CUB/7C	R 522 N.0/3.5	E535/55A-F				4320		1.0	
49	E-MC-7BA+	E-RLY-RHRV24A	S440	219BBXP							
3	B1+C,E	RELAY CUB/1B	R 522 N.7/8.3	E535/43A-H				4320		1.0	
49	E-MC-8BA+	E-RLY-RHRV24B	S440	219BBXP							
3	B1+C,E	RELAY CUB/7C	R 522 N.0/3.5	E535/55A-F				4320		1.0	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 NWP CLASS A EQUIPMENT LIST

DATE 01/12/82 PAGE 140

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MPG PLANT LOCATION	MPG MODEL NO. RMR	QTY	TEST ASING	ANL ORP	F/O HOURS	C ACCURACY	FREQ TH	HL
EC	EQUIPMENT DESCRIPTION		DRAWING		USE						
49 3	C/E	E-MC-7BA RELAY CUB/4C	E-RLY-RHRV26A R 522 H 7/843	S440 E535/43A-H	219BBXP			4320		1	1
49 3	C/E	E-MC-8BA RELAY CUB/7C	E-RLY-RHRV26B R 522 H 8/349	S440 E535/55A-F	219BBXP			4320		1	1
49 3	BL C/E	E-MC-7BA RELAY CUB/1B	E-RLY-RHRV27A R 522 H 7/843	S440 E535/43A-H	219BBXP			4320		2	0
49 3	BL C/E	E-MC-8BA RELAY CUB/7C	E-RLY-RHRV27B R 522 H 8/349	S440 E535/55A-F	219BBXP			4320		2	0
49 3	C/E	E-MC-7BB RELAY CUB/8B	E-RLY-RHRV3A R 572 H 4/548	S440 E535/44A-E	219BBXP			4320		1	3
49 3	C/E	E-MC-7BB RELAY CUB/8B	E-RLY-RHRV3B R 572 H 7/842	S440 E535/56A-E	219BBXP			4320		1	3
49 3	BL C/E	E-MC-7BA RELAY CUB/1B	E-RLY-RHRV4A R 522 H 7/843	S440 E535/43A-H	219BBXP			4320		2	0
49 3	BL C/E	E-MC-8BA RELAY CUB/1B	E-RLY-RHRV4B R 522 H 0/349	S440 E535/55A-F	219BBXP			4320		1	0
49 3	BL C/E	E-MC-8BA RELAY CUB/1B	E-RLY-RHRV4C R 522 H 0/349	S440 E535/55A-F	219BBXP			4320		1	0
49 3	BL C/E	E-MC-7BA RELAY CUB/1B	E-RLY-RHRV42A R 522 H 7/843	S440 E535/43A-H	219BBXP			4320		1	0
49 3	BL C/E	E-MC-8BA RELAY CUB/1B	E-RLY-RHRV42B R 522 H 0/349	S440 E535/55A-F	219BBXP			4320		1	0
49 3	BL C/E	E-MC-8BA RELAY CUB/1B	E-RLY-RHRV42C R 522 H 0/349	S440 E535/55A-F	219BBXP			4320		1	0

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS EQUIPMENT LIST

DATE 01/12/82 PAGE 141

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	QTY	TEST ANL	F70 C	FREQ C	TH	HL
					AS	ASNG	DBE	HOURS	ACCURACY	
EC										USE
49	E-MC-7BB	E-RLY-RHRV47A	S440	219BBXP				4320		
3	C,E	RELAY CUB/8B	R 572 N.4/5.8	E535/44A-E					1	3
49	E-MC-8BB	E-RLY-RHRV47B	S440	219BBXP				4320		
3	C,E	RELAY CUB/8C	R 572 N.7/8.2	E535/56A-E					1	3
49	E-MC-7BB	E-RLY-RHRV48A	S440	219BBXP				4320		
3	C,E	RELAY CUB/8B	R 572 N.4/5.8	E535/44A-E					1	3
49	E-MC-8BB	E-RLY-RHRV48B	S440	219BBXP				4320		
3	C,E	RELAY CUB/8C	R 572 N.7/8.2	E535/56A-E					1	3
49	E-MC-7BB	E-RLY-RHRV52A	S440	219BBXP				4320		
3	C,E	RELAY CUB/8B	R 572 N.4/5.8	E535/44A-E					1	1
49	E-MC-8BB	E-RLY-RHRV52B	S440	219BBXP				4320		
3	C,E	RELAY CUB/8C	R 572 N.7/8.2	E535/56A-E					1	1
49	E-MC-7BA	E-RLY-RHRV53A	S440	219BBXP				4320		
3	B1,C,F	RELAY CUB/1B	R 522 N.7/8.3	E535/43A-H					1	3
49	E-MC-7BA	E-RLY-RHRV53B	S440	219BBXP				4320		
3	1,C,E	RELAY CUB/8D	R 522 N.7/8.3	E535/43A-H					1	3
49	E-MC-7BA	E-RLY-RHRV6A	S440	219BBXP				4320		
3	C,E	RELAY CUB/1B	R 522 N.7/8.3	E535/43A-H					1	3
49	E-MC-8BA	E-RLY-RHRV6B	S440	219BBXP				4320		
3	C,E	RELAY CUB/1B	R 522 N.0/3.9	E535/55A-F					1	3
49	E-MC-7BB	E-RLY-RHRV68A	S440	219BBXP				4320		
3	C,E,F	RELAY CUB/8B	R 572 N.4/5.8	E535/44A-E					2	0
4	E-MC-8BB	E-RLY-RHRV68B	S440	219BBXP				4320		
3	C,E,F	RELAY CUB/8D	R 572 N.7/8.2	E535/56A-E					2	0

Merry Equipment Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 NMP-2 CLASS 1E EQUIPMENT LIST

DATE 07/12/82 PAGE 142

CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	BID	TEST	JANL	F/O	C.	FREQ	TH	HL
EC	SAFETY FUNCTION	PLANT LOCATION	ROOM	DR.	AREA	DBF	CH	HOURS	ACCURACY			
	EQUIPMENT DESCRIPTION			DRAWING						USE		
49	E-MC-7BB+	E-RLY-RHRV87A	S440	219BBXP								
3	C/E	RELAY CUB/8B	R 572 N.4/5.8	E535/44A-E					4320		1	1
49	E-MC-8BB+	E-RLY-RHRV87B	S440	219BBXP								
3	C/E	RELAY CUB/8C	R 572 N.7/8.2	E535/44A-E					4320		1	1
49	E-MC-8BA+	E-RLY-RHRV9	S440	219BBXP								
3	D/C/E	RELAY CUB/1B	R 522 N.0/3.9	E535/55A-F					4320		1	3
49	E-MC-8BB+	E-RLY-SGT/5A2	S440	219BBXP								
3	D/F	RELAY CUB/8D	R 572 N.7/8.2	E535/56A-E					4320		1	0
49	E-MC-8BB+	E-RLY-SGTEHC1A2	S440	219BBXP								
3	D/F	RELAY CUB/2A	R 572 N.7/8.2	E535/56A-E					4320		1	0
49	E-MC-8BB+	E-RLY-SGTEHC1B2	S440	219BBXP								
3	D/F	RELAY CUB/2A	R 572 N.7/8.2	E535/56A-E					4320		1	0
49	E-MC-7BB+	E-RLY-SGTEH1A1	S440	219BBXP								
3	D/F	RELAY CUB/2F	R 572 N.4/5.8	E535/44A-E					4320		1	0
49	E-MC-7BB+	E-RLY-SGTEH1B1	S440	219BBXP								
3	D/F	RELAY CUB/2F	R 572 N.4/5.8	E535/44A-E					4320		1	0
49	E-MC-7BB+	E-RLY-SGTFN1A1	S440	219BBXP								
3	D/F	RELAY CUB/2F	R 572 N.4/5.8	E535/44A-E					4320		1	0
49	E-MC-8BB+	E-RLY-SGTEN1A2	S440	219BBXP								
3	D/F	RELAY CUB/2A	R 572 N.7/8.2	E535/56A-E					4320		1	0
49	E-MC-7BB+	E-RLY-SGTFN1B1	S440	219BBXP								
3	D/F	RELAY CUB/2F	R 572 N.4/5.8	E535/44A-E					4320		1	0
49	E-MC-8BB+	E-RLY-SGTFN1B2	S440	219BBXP								
3	D/F	RELAY CUB/2A	R 572 N.7/8.2	E535/56A-E					4320		1	0

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG.	MFG MODEL NO. PLANT LOCATION	ROOM	QID	TEST	ANL	F/0	C	FREQ	TH	HL
EC						03	DATE	TIME	HOURS		ACCURACY		USE
49 3 D,F	E-MC-78B+	E-RLY-SGTR2B1	S440	2198XP	R 572 N.4/5.8	0			4320		1 0		
	RELAY CUB/1B			E535/44A-E									
49 3 D,F	E-MC-78B+	E-RLY-SGTV1A	S440	2198XP	R 572 N.4/5.8	0			4320		1 0		
	RELAY CUB/8B			E535/44A-E									
49 3 D,F	E-MC-78B+	E-RLY-SGTV5A1	S440	2198XP	R 572 N.4/5.8	0			4320		1 0		
	RELAY CUB/2F			E535/44A-E									
49 3 D,F	E-MC-88B+	E-RLY-SGTV3A2	S440	2198XP	R 572 N.7/8.2	0			4320		1 0		
	RELAY CUB/2A			E535/56A-E									
49 3 D,F	E-MC-78B+	E-RLY-SGTV3B1	S440	2198XP	R 572 N.4/5.8	0			4320		1 0		
	RELAY CUB/2E			E535/44A-E									
49 3 D,F	E-MC-88B+	E-RLY-SGTV3B2	S440	2198XP	R 572 N.7/8.2	0			4320		1 0		
	RELAY CUB/2A			E535/56A-E									
49 3 D,F	E-MC-78B+	E-RLY-SGTV4A1	S440	2198XP	R 572 N.4/5.8	0			4320		1 0		
	RELAY CUB/2F			E535/44A-E									
49 3 D,F	E-MC-88B+	E-RLY-SGTV4A2	S440	2198XP	R 572 N.7/8.2	0			4320		1 0		
	RELAY CUB/2A			E535/56A-E									
49 3 D,F	E-MC-78B+	E-RLY-SGTV4B1	S440	2198XP	R 572 N.4/5.8	0			4320		1 0		
	RELAY CUB/8B			E535/44A-E									
49 3 D,F	E-MC-88B+	E-RLY-SGTV4B2	S440	2198XP	R 572 N.7/8.2	0			4320		1 0		
	RELAY CUB/8C			E535/56A-E									
49 3 D,F	E-MC-78B+	E-RLY-SGTV5A1	S440	2198XP	R 572 N.4/5.8	0			4320		1 0		
	RELAY CUB/8B			E535/44A-E									
49 3 D,F	E-MC-88B+	E-RLY-SGTV5A2	S440	2198XP	R 572 N.7/8.2	0			4320		1 0		
	RELAY CUB/8C			E535/56A-E									

Morse Broadcast Form, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID	TEST	ANL	F/O	C	FREQ	TM	HL
EC					AGING	DBE	C	HOURS		ACCURACY		
49 3	D,F	E-MC-78B+ RELAY CUB/8B	E-RLY-SGTV5B1 R 972 H 4/7/81B	S440 E535/44X-E	21988XP			4320			1	0
49 3	D,F	E-MC-88B+ RELAY CUB/8C	E-RLY-SGTV5B2 R 972 H 7/6/82	S440 E535/56A-E	21988XP			4320			1	0
49 3	A	E-MC-78+ RELAY CUB/8A	E-RLY-SLCP1A R 522 H 4/7/81	S440 E535/42A-E	21988XP			4320			1	0
49 3	A	E-MC-88+ RELAY CUB/7E	E-RLY-SLCP1B R 522 H 0/3/85	S440 E535/54A-E	21988XP			4320			1	0
49 3	A	E-MC-78+ RELAY CUB/8A	E-RLY-SLCV1A R 522 H 5/8/83	S440 E535/42A-E	21988XP			4320			1	0
49 3	C,D	E-MC-78+ RELAY CUB/8A	E-RLY-SNV44 R 522 H 5/8/83	S440 E535/42A-E	21988XP			4320			1	0
47A 1	H	E-SH-10	W120 R 471 L 2/9/80	75-DHP-500 E502/4 J0	305001		DN					F N
47A 1	H	E-SH-11	W120 R 522 H 8/7/84	75-DHP-500 E502/4 J14	305001		DN				2	3
47A 1	H	E-SH-12	W120 R 522 H 5/8/88	75-DHP-500 E502/4 H8	305001		DN				2	3
47A 1	H	E-SH-96	W120 R 471 K 3/9/80	75-DHP-500 E502/4 J14	305001		DN				2	3
218 2	H	E-ELP-78A+ ELP-78-A TRANSFORMER	E-TR-78A R 606 J 6/3/87	S250 E503/12B15	122091-3	R700	BR	349004	21	0.0	24	76 F N
218 2	H	E-ELP-78B+ ELP-78-B TRANSFORMER	E-TR-78B R 478 H 4/3/88	S258 E503/8 69	124176-12	R206	BR	349007	21	0.0	24	76 F N

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	QID QTY	TEST DRE	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
55 3 H		E-TRB-X104A/01 TERMINAL BLOCK FOR X-104A/01	C 502:109 D AZ	C754 CURTIS #BT-17	352001			4320		2 3	
55 3 H		E-TRB-X104B/01 TERMINAL BLOCK FOR X-104B/01	C 501:110 D AZ	C754 CURTIS #BT-17	352001			4320		2 3	
55 3 H		E-TRB-X104C/01 TERMINAL BLOCK FOR X-104C/01	C 522:188 D AZ	C754 CURTIS #BT-17	352001			4320		2 3	
55 3 H		E-TRB-X104D/01 TERMINAL BLOCK FOR X-104D/01	C 522:223 D AZ	C754 CURTIS #BT-17	352001			4320		2 3	
55 3 H		E-TRB-X105A/01 TERMINAL BLOCK FOR X-105A/01	C 501:100 D AZ	T282 TRU-CINCH # 27-541	352002			4320		2	
55 3 H		E-TRB-X105A/02 TERMINAL BLOCK FOR X-105A/02	C 501:100 D AZ	T282 TRU-CINCH #13-541	352003			4320		2 3	
55 3 H		E-TRB-X105B/01 TERMINAL BLOCK FOR X-105B/01	C 501:135 D AZ	T282 TRU-CINCH #27-541	352005			4320		2 3	
55 3 H		E-TRB-X105B/02 TERMINAL BLOCK FOR X-105B/02	C 501:135 D AZ	T282 TRU-CINCH #13-541	352003			4320		2 3	
55 3 H		E-TRB-X105C/01 TERMINAL BLOCK FOR X-105C/01	C 523:195 D AZ	T282 TRU-CINCH #27-541	352005			4320		2 3	
55 3 H		E-TRB-X105C/02 TERMINAL BLOCK FOR X-105C/02	C 523:195 D AZ	T282 TRU-CINCH #13-541	352003			4320		2 3	
55 3 H		E-TRB-X105D/01 TERMINAL BLOCK FOR X-105D/01	C 501:225 D AZ	T282 TRU-CINCH #27-541	352005			4320		2 3	
55 3 H		E-TRB-X105D/02 TERMINAL BLOCK FOR X-105D/02	C 501:225 D AZ	T282 TRU-CINCH #13-541	352003			4320		2 3	

Moore Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPPSS CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	WPPSS	WPPS MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TR	HL
EC	SAFETY FUNCTION	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	CS	AGING	DRF	C	HOURS	ACCURACY		
				DRAWING						USE		
55 3	H	E-TRB-X107A/01	C754	CURTIS 8BT-15						352001		
		TERMINAL BLOCK FOR X-107A/01	C 501 52 D AZ	S797						4320	2 3	
55 3	H	E-TRB-X107A/02	T282	TRB-CINCH W25-541						352004		
		TERMINAL BLOCK FOR X-107A/02	C 501 52 D AZ	S797						4320	2 3	
55 3	H	E-TRB-X107B/01	C754	CURTIS 8BT-15						352001		
		TERMINAL BLOCK FOR X-107B/01	C 411 150 D AZ	S797						4320	2 3	
55 3	H	E-TRB-X107B/02	T282	TRB-CINCH W25-541						352004		
		TERMINAL BLOCK FOR X-107B/02	C 411 150 D AZ	S797						4320	2 3	
55 3	H	E-X-100A	W120	55-00-0002						382003		
		NEUTRON MONITOR ELECTRICAL PENET	C 501 98 D AZ	S796						4320	2 3	
55 3	H	E-X-100B	W120	55-00-0002						382003		
		NEUTRON MONITOR ELECTRICAL PENET	C 501 105 D AZ	S796						4320	2 3	
55 3	H	E-X-100C	W120	55-00-0002						382003		
		NEUTRON MONITOR ELECTRICAL PENET	C 501 316 D AZ	S796						4320	2 3	
55 3	H	E-X-100D	W120	55-00-0002						382003		
		NEUTRON MONITOR ELECTRICAL PENET	C 501 330 D AZ	S796						4320	2 3	
55 3	H	E-X-101A	W120	55-00-0002						382003		
		CRD POS INDIC ELECTRICAL PENET	C 501 130 D AZ	S796						4320	2 3	
55 3	H	E-X-101B	W120	55-00-0002						382003		
		CRD POS INDIC ELECTRICAL PENET	C 501 140 D AZ	S796						4320	2 3	
55 3	H	E-X-101C	W120	55-00-0002						382003		
		CRD POS INDIC ELECTRICAL PENET	C 501 312 D AZ	S796						4320	2 3	
55 3	H	E-X-101D	W120	55-00-0002						382003		
		CRD POS INDIC ELECTRICAL PENET	C 501 320 D AZ	S796						4320	2 3	

Honeywell Information Systems, Inc. 81

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WNP-2 CLASS I/E EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QTY	TEST	ANL.	F/O	C.	FREQ.	TH.	HL.
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	AS	AGING	DRG.	C.	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION	DRAWING							USE			
55 3	H	E-X-102A	W120	55-00-0002		382003		4320				
		T/C AND RTD ELECTRICAL PENETRATION	C 522 183 D AZ	S796					2	3		
55 3	H	E-X-102B	W120	55-00-0002		382003		4320				
		T/C AND RTD ELECTRICAL PENETRATION	C 522 220 D AZ	S796						2	3	
55 3	H	E-X-103A	W120	55-00-0002		382003		4320				
		MED VOLTAGE POWER ELECTRICAL PENET	C 522 208 D AZ	S796							2	3
55 3	H	E-X-103B	W120	55-00-0002		382003		4320				
		MED VOLTAGE POWER ELECTRICAL PENET	C 522 213 D AZ	S796							2	3
55 3	H	E-X-103C	W120	55-00-0002		382003		4320				
		MED VOLTAGE POWER ELECTRICAL PENET	C 522 305 D AZ	S796							2	3
55 3	H	E-X-103D	W120	55-00-0002		382003		4320				
		MED VOLTAGE POWER ELECTRICAL PENET	C 522 325 D AZ	S796								2 3
55 3	H	E-X-104A	W120	55-00-0002		382003		4320				
		LOW VOLTAGE POWER ELECTRICAL PENET	C 501 109 D AZ	S796								2 3
55 3	H	E-X-104B	W120	55-00-0002		382003		4320				
		LOW VOLTAGE POWER ELECTRICAL PENET	C 501 110 D AZ	S796								2 3
55 3	H	E-X-104C	W120	55-00-0002		382003		4320				
		LOW VOLTAGE POWER ELECTRICAL PENET	C 522 188 D AZ	S796								2 3
55 3	H	E-X-104D	W120	55-00-0002		382003		4320				
		LOW VOLTAGE POWER ELECTRICAL PENET	C 522 223 D AZ	S796								2 3
55 3	H	E-X-105A	W120	55-00-0002		382003		4320				
		CONTROL AND INDIC ELECTRICAL PENET	C 501 100 D AZ	S797 EB								2 3
55 3	H	E-X-105B	W120	55-00-0002		382003		4320				
		CONTROL AND INDIC ELECTRICAL PENET	C 501 135 D AZ	S796								2 3

Murray Equipment Farm, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION	MFG. PLANT LOCATION	MFR. MODEL NO. ROOM	QID	TEST	ANL	IF70	C	FREQ	TH	HL
		EQUIPMENT DESCRIPTION		DRAWING				HOURS		ACCURACY		
										USE		
55	3	H	E-X-105C	W120	55-00-0002	382003				4320		2.3
			CONTROL AND INDIC ELECTRICAL PENET	0 523 195 D:AZ	5796							
55	3	H	E-X-105D	W120	55-00-0002	382003				4320		2.3
			CONTROL AND INDIC ELECTRICAL PENET	C 501 225 D:AZ	5796							
85	3	H	E-X-107A	W120	55-00-0002	382003				4320		2.3
			LO VOLT PWR/CNTL/IND ELECT PENET	C 501 52 D:AZ	5796							
55	3	H	E-X-107B	W120	55-00-0002	382003				4320		2.3
			LO VOLT PWR/CNTL/IND ELECT PENET	C 411 250 D:AZ	5796 F15							
49	2	H	E-MC-78B*	E-42-CAC/EHC1A	1005	TYPE 0				4320		1.0
			DISC TO CAC-EHC-1A	R 572 M.7/6.0	E503/12							
49	2	H	E-MC-88B*	E-42-CAC/EHC1B	1005	TYPE 0				4320		1.0
			DISC TO CAC-EHC-1B	R 572 M.7/6.0	E503/12							
49	2	H	E-MC-78B*	E-42-CAC/FN1A	1005	TYPE 0*				4320		1.0
			NEMA 2 MOTOR STARTER TO CAC-FN-1A	R 572 M.7/6.0	E503/12							
49	2	H	E-MC-88B*	E-42-CAC/FN1B	1005	TYPE 0				4320		1.0
			NEMA 1 MOTOR STARTER CAC-FN-1B	R 572 M.7/6.0	E503/12							
49	2	D	E-MC-78B*	E-42-CAC/1AFOR	1005	TYPE 0*				4320		1.0
			FEEDER TO RECOMBINER VLV ACTUATORS	R 572 M.7/6.0	E503/12							
49	2	D	E-MC-88B*	E-42-CAC/1BFOR	1005	TYPE 0*				4320		1.0
			FEEDER TO RECOMBINER VLV ACTUATORS	R 572 M.7/6.0	E503/12							
49	2	H		E-42-CAC/EN1A	1005	TYPE 0*						1.0
				R 572 M.7/6.0								
49	2	H		E-42-CIA/V20	1005	TYPE 0				4320		1.0
				R 522 M.7/6.0								
				E503/A								

Mesa Bureau Form, Inc. LV

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QTY AS	TEST AGRD	ANL. C	F70 HOURS	FREQ ACCURACY	TH HL
49 2 H		E-42-CIA/V30A R 522 H4/8.1	I005	TYPE D				4320	1 3	F
				E50378						
49 2 H		E-42-CIA/V30B R 522 N073.8	I005	TYPE D		035024		4320	1 3	F
				E50378						
49 2 J,F,B1	E-MC-8BA+	E-42-FPC/V153 NEMA 1 MTR STR FPC-V-153	I005	TYPE D		035026		4320	2 3	
				E50377						
49 2 J,F,B2	E-MC-7BA+	E-42-FPC/V154 NEMA 1 MTR STR FPC-V-154	I005	TYPE D		035026		4320	2 3	
				E50377						
49 2 J,F,B2	E-MC-7BA+	E-42-FPC/V156 NEMA 1 MTR STR FPC-V-156	I005	TYPE D		035026		4320	2 3	
				E50377						
49 2 J,F,B2	E-MC-7BA+	E-42-FPC/V172 NEMA 1 MTR STR FPC-V-172	I005	TYPE D				4320	2 3	
				E50377						
49 2 J,F,B2	E-MC-8BA+	E-42-FPC/V173 NEMA 1 MTR STR FPC-V-173	I005	TYPE D				4320	2 3	
				E50377						
49 2 H	E-MC-8BA+	E-42-FPC/V175 NEMA 1 MTR STR FPC-V-175	I005	TYPE D				4320	2 3	
				E50377						
49 2 G	E-MC-7BA+	E-42-FPC/V181A NEMA 1 MOTOR STARTER FOR FPC-V181A	I005	TYPE D				4320	2 3	F
				E50377						
49 2 J,F,B2	E-MC-8BA+	E-42-FPC/V181B NEMA 1 MTR STR FPC-V-181	I005	TYPE D				4320	2 3	
				E50377						
49 2 B1	E-MC-8BA+	E-42-FPC/V184 NEMA 1 MOTOR STARTER FOR FPC-V-184	I005	TYPE D				4320	2 3	F
				E50377						
49 2 H	E-MC-7BA+	E-42-LPCS/FCV11 NEMA 1 MTR STR LPCS-FCV-11	I005	TYPE D				4320	1 0	
				E50377						

Murray Engineering Firm, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPPSS - CLASSIFICATION LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	WFO	WFO MODEL NO.	QID	TEST	ANL	F70	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	INS	AGING	DRG	C	HOURS	ACCURACY	USE		
EC	EQUIPMENT DESCRIPTION	DRAWING										
49	E-MC-7B+	E-42-LPCS/P2	1005	TYPE A4								
2	H	NEHA2 MTR STR LPCS-P42	R 522 H43/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-LPCS/V1	1005	TYPE D								
2	H	NEHA1 MTR STR LPCS-V-1	R 522 H47/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-LPCS/V12	1005	TYPE D								
2	H	NEHA1 MTR STR LPCS-V-12	R 522 H47/843	E503/7				4320		2 0		
49	E-MC-7BA+	E-42-LPCS/V5	1005	TYPE D								
2	H	NEHA1 MTR STR LPCS-V-5	R 522 H47/843	E503/7				4320		1 0		
49		E-42-MS/V16	1005	TYPE D								F
2	H		R 522 H87/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-MS/V67A	1005	TYPE D								
2	H	NEHA1 MTR STR MS-V-67A	R 522 H47/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-MS/V67B	1005	TYPE D								
2	H	NEHA1 MTR STR MS-V-67B	R 522 H47/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-MS/V67C	1005	TYPE D								
2	H	NEHA1 MTR STR MS-V-67C	R 522 H47/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-MS/V67D	1005	TYPE D								
2	H	NEHA1 MTR STR MS-V-67D	R 522 H47/843	E503/7				4320		1 0		
49	E-MC-7BA+	E-42-MSLC/FN1	1005	TYPE A								
2	H	NEHA1 MTR STR MSLC-FN-1	R 526 H47/843	E503/7				24		1 0		
49	E-MC-8B+	E-42-MSLC/FN2	1005	TYPE D								
2	H	STARTING COIL FOR MSLC-FN-2	R 522 H40/343	E503/7				24		1 0		
49	E-MC-7BA+	E-42-MSLC/V1A	1005	TYPE D								
2	H	NEHA1 MTR STR MSLC-V-1A	R 522 H45/843	E503/7				4320		1 0		

Meyer Burnett Firm, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION	DESCRIPTION	MFG. NO.	MFG. MODEL NO.	QTY	TEST	ANL	F70	C	FREQ	TH	HL
				PLANT LOCATION	DRAWING	AS	DATE	CLASS	HOURS	ACCURACY			
49		E-MC-7BA4	E-42-MSLC/V1B	1005	TYPE 000								F
2	F			R 522 H67/863	E503/7	A			4320		2 0		
			NEMA 1 MOTOR STARTER FOR MSLC-V-1B										
49		E-MC-7BA4	E-42-MSLC/V1C	1005	TYPE 000								F
2	F			R 522 H67/863	E503/7	A			4320		2 0		
			NEMA 1 MOTOR STARTER FOR MSLC-V-1C										
49		E-MC-7BA4	E-42-MSLC/V1D	1005	TYPE 000								F
2	F			R 522 H67/863	E503/7	A			4320		2 0		
			NEMA 1 MOTOR STARTER FOR MSLC-V-1D										
49		E-MC-7BA4	E-42-MSLC/V1E	1005	TYPE 000								F
2	H1			R 522 H07/368	E503/8	A			4320		1 0		
			NEMA 1 MOTOR STARTER FOR MSLC-V-1E										
49		E-MC-7BA4	E-42-MSLC/V2A	1005	TYPE D								F
2	H			R 522 H65/864	E503/7	A			4320		1 0		
			NEMA 1 MOTOR STARTER FOR MSLC-V-2A										
49		E-MC-7BA4	E-42-MSLC/V2B	1005	TYPE 000								F
2	F			R 522 H67/863	E503/7	A			4320		2 0		
			NEMA 1 MOTOR STARTER FOR MSLC-V-2B										
49		E-MC-7BA4	E-42-MSLC/V2C	1005	TYPE 000								F
2	F			R 522 H67/863	E503/7	A			4320		2 0		
			NEMA 1 MOTOR STARTER FOR MSLC-V-2C										
49		E-MC-7BA4	E-42-MSLC/V2D	1005	TYPE 000								F
2	F			R 522 H67/863	E503/7	A			4320		2 0		
			NEMA 1 MOTOR STARTER FOR MSLC-V-2D										
49		E-MC-7BA4	E-42-MSLC/V3A	1005	TYPE D								F
2	H1			R 522 H65/864	E503/7	A			4320		1 0		
			NEMA 1 MOTOR STARTER FOR MSLC-V-3A										
49		E-MC-7BA4	E-42-MSLC/V3B	1005	TYPE 000								F
2	F			R 522 H67/863	E503/7	A			4320		2 0		
			NEMA 1 MOTOR STARTER FOR MSLC-V-3B										
49		E-MC-7BA4	E-42-MSLC/V3C	1005	TYPE 000								F
2	F			R 522 H67/863	E503/7	A			4320		2 0		
			NEMA 1 MOTOR STARTER FOR MSLC-V-3C										
49		E-MC-7BA4	E-42-MSLC/V3D	1005	TYPE 000								F
2	F			R 522 H67/863	E503/7	A			4320		2 0		
			NEMA 1 MOTOR STARTER FOR MSLC-V-3D										

Mary Bessent Form, Inc. 8"

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP&S 2 YEARS OF EQUIPMENT LIST

DATE 01/12/62 PAGE 192

CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	REF NO.	MANUFACTURER	MODEL NO.	SIZE	TEST	AKL	F/O	C	FREQ	WHL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	OR	DATE	ONE	C	HOURS	ACCURACY	USE		
EC	EQUIPMENT DESCRIPTION	DRAWING										
49 2	H	E-42-HSLC/V4	I005	TYPE D								F
		R: 522 N0/3.8		E503/8				4320		1 0		
49 2	H	E-42-HSLC/V5	I005	TYPE D								F
		R: 522 N0/3.8		E503/8				4320		1 0		
49 2	H	E-42-HSLC/V9	I005	TYPE D								F
		R: 522 N0/3.8		E503/8				4320		1 0		
		NEMA 1 MOTOR STARTER FOR HSLC-V-9										
49 2	B1+F	E-HC-8BA+	E-42-RCC/V108	I202	TYPE D							F
		R: 526 N/3.8		E503/7		035026		4320		1 0		
		NEMA 1 MTR STR RCC-V-108										
49 2	F	E-HC-8BA+	E-42-RCC/V129	I005	TYPE D							F
		R: 522 N0/4.0		E503/7				4320		1 0		
		NEMA 1 MTR STR RCC-V-129										
49 2	B1+F	E-HC-7BA+	E-42-RCC/V21	I202	TYPE D							F
		R: 527 H47/8.0		E503/7		035026		4320		1 0		
		NEMA 1 MTR STR RCC-V-21										
49 2	B1+F	E-HC-7BA+	E-42-RCC/V40	I202	TYPE D							F
		R: 527 H47/8.0		E503/7		035026		4320		1 0		
		NEMA 1 MTR STR RCC-V-40										
49 2	B1+F	E-HC-7BA+	E-42-RCC/V5	I005	TYPE D							F
		R: 527 H47/8.0		E503/7		035026		4320		1 0		
		NEMA 1 MTR STR RCC-V-5										
49 2	B1+C	E-HC-S2/1A+	E-42-RCIC/V13	I005	TYPE OH							F
		R: 471 H47/7.8		E505				24		2 1		
		NEMA 1 MOTOR STARTER FOR RCIC-V-13										
49 2	G	E-HC-8BA+	E-42-RCIC/V63	I005	TYPE D							F
		R: 522 N0/3.8		E503/7		035026		24		2 1		
		NEMA 1 MTR STR RCIC-V-63										
49 2	B1+C	E-HC-S2/1A+	E-42-RCIC/V64	I005	TYPE OH							F
		R: 471 H47/7.8		E505				24		2 1		
		NEMA 2 MOTOR STARTER FOR RCIC-V-64										
49 2	B1+C	E-HC-S2/1A+	E-42-RCIC/V69	I005	TYPE OH							F
		R: 471 H47/7.8		E505				24		2 1		
		NEMA 1 MOTOR STARTER FOR RCIC-V-69										

Morgan Business Forms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 MNC-2 CLASS 1E EQUIPMENT LIST

DATE: 01/12/82 PAGE: 153

CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	RFQ	RFQ MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TM	HL
EC	SAFETY FUNCTION	PLANT LOCATION	ROOM	OS	ABING	DBE	0	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION		DRAWING		USE							
49	E-MC-8BA+	E-42-RCIC/V76	1005	TYPE D	035026							F
2	BI, C	NEMA1 NTR STR RCIC-V-76	R 522 N.07/3.8	E503/7				24			2 1	
49	E-MC-7BA+	E-42-RHR/FCV64A	1005	TYPE D								
2	C/E	NEMA1 NTR STR RHR-FCV-64A	R 522 N.77/8.3	E503/7				4320			1 3	
49	E-MC-8BA+	E-42-RHR/FCV64B	1005	TYPE D	035026							
2	C/E	NEMA1 NTR STR RHR-FCV-64B	R 522 N.07/3.8	E503/7				4320			1 3	
49	E-MC-8BA+	E-42-RHR/FCV64C	1005	TYPE D	035026							
2	C/E	NEMA1 NTR STR RHR-FCV-64C	R 522 N.07/3.8	E503/7				4320			1 0	
49	E-MC-8B+	E-42-RHR/P3	1005	TYPE A	035024							F
2	C/E	NEMA2 NTR STR RHR-P-3	R 522 N.67/8.3	E503/8				4320			2 3	
49	E-MC-7BA+	E-42-RHR/V11A	1005	TYPE D								
2	C/E	NEMA1 NTR STR RHR-V-11A	R 522 N.77/8.3	E503/7				4320			1 1	
49	E-MC-8BA+	E-42-RHR/V11B	1005	TYPE D	035026							
2	C/E	NEMA1 NTR STR RHR-V-11B	R 522 N.07/3.8	E503/7				4320			1 1	
49	E-MC-8BB+	E-42-RHR/V115	1005	TYPE D								
2	C/E	NEMA1 NTR STR RHR-V-115	R 573 N.77/8.2	E503/12				4320			1 0	
49	E-MC-8BB+	E-42-RHR/V116	1005	TYPE D								
2	C/E	NEMA1 NTR STR RHR-V-116	R 576 N.77/8.2	E503/12				4320			1 0	
49	E-MC-8A+	E-42-RHR/V123A	1005	TYPE D	035026							
2	C/E	NEMA1 NTR STR RHR-V-123A	R 522 N.07/3.8	E503/7				4320			2 3	
49	E-MC-8BA+	E-42-RHR/V123B	1005	TYPE D	035026							
2	C/E	NEMA1 NTR STR RHR-V-123B	R 522 N.07/3.8	E503/7				4320			2 3	
49	E-MC-7BA+	E-42-RHR/V124A	1005	TYPE D								
2	C/E	NEMA1 NTR STR RHR-V-124A	R 522 N.77/8.0	E503/7				4320			2 1	

Merrill Lynch, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
UNP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 154

CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	HP	HP MODEL NO.	QTY	TEST	ANL	F/F	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	AS	AUTH	DRP	HR	HR	HR	ACCURACY		
EC	EQUIPMENT DESCRIPTION		DRAWING		USE							
49	E-NC-78A	E-42-RHR/V124B	1005	TYPE D								
2	C/E	NEMA1 MTR STR RHR-V-124B	R 522 H.0/3.0	E503/7						4320		2 1
49	E-NC-88A	E-42-RHR/V125A	1005	TYPE D								
2	C/E	NEMA1 MTR STR RHR-V-125A	R 522 H.0/3.0	E503/7						4320		2 1
49	E-NC-88A	E-42-RHR/V125B	1005	TYPE D								
2	C/E	NEMA 1 MOTOR STARTER FOR RHR-V125B	R 522 H.0/3.0	E503/7						4320		2 1
49	E-NC-78A	E-42-RHR/V134A	1005	TYPE D								
2	C/E	NEMA1 MTR STR RHR-V-134A	R 522 H.7/8.0	E503/7						4320		1 0
49	E-NC-88A	E-42-RHR/V134B	1005	TYPE D								
2	C/E	NEMA1 MTR STR RHR-V-134B	R 522 H.0/3.0	E503/7						4320		1 0
49	E-42-RHR/V16A	1005	TYPE D									
2	C/E	MOTOR START COIL FOR RHR-V-16A	H 572 H.4/5.7	E503/12								1 0
49	E-NC-88A	E-42-RHR/V16B	1005	TYPE D								
2	C/E	NEMA2 MTR STR RHR-V-16B	R 522 H.0/3.0	E503/7						24		1 0
49	E-NC-78B	E-42-RHR/V17A	1005	TYPE D								
2	C/E	NEMA2 MTR STR RHR-V-17A	R 572 H.4/5.7	E503/12						24		1 0
49	E-NC-88A	E-42-RHR/V17B	1005	TYPE D								
2	C/E	NEMA2 MTR STR RHR-V-17B	R 522 H.0/3.0	E503/7						24		1 0
49	E-NC-88A	E-42-RHR/V21	1005	TYPE D								
2	H	NEMA 1 MTR STR RHR-V-21	R 522 H.0/4.0	E503/7						4320		1 0
49	E-NC-82/1A	E-42-RHR/V23	1005	TYPE D								
2	B1 & C/E	NEMA 1 MOTOR STARTER FOR RHR-V-23	R 471 H.7/7.0	E503						4320		1 3
49	E-NC-78A	E-42-RHR/V24A	1005	TYPE D								
2	C/E	NEMA1 MTR STR RHR-V-24A	R 522 H.0/4.0	E503/7						4320		1 0

MOTOR BUSINESS FORMS, INC. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 155

CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HL
EC	SAFETY FUNCTION	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	AGE	DBE	C	HOURS	ACCURACY			
				DRAWING					USE			
49	E-MC-8BA	E-42-RHR/V24B	1005	TYPE 0	035026							
2	C&E	NEMA1 MTR STR RHR-V-24B	R 522 N.0/3.8	E503/7				4320		1 0		
49	E-MC-7BA	E-42-RHR/V26A	1005	TYPE 0								
2	C&E	NEMA 1 MTR STR RHR-V-26A	R 522 N.0/4.0	E503/7				4320		1 1		
49	E-MC-7BA	E-42-RHR/V27A	1005	TYPE 0								
2	C&E	NEMA1 MTR STR RHR-V-27A	R 522 N.0/4.0	E503/7				4320		1 0		
49	E-MC-7BA	E-42-RHR/V3A	1005	TYPE 0								F
2	C&E		R 572 N.7/6.0	E503/12				4320		1 3		
49	E-MC-7BA	E-42-RHR/V3B	1005	TYPE 0								F
2	C&E		R 572 N.7/6.2	E503/12				4320		1 3		
49	E-MC-7BA	E-42-RHR/V4A	1005	TYPE 0								
2	C&E	NEMA1 MTR STR RHR-V-4A	R 522 N.0/3.8	E503/7				4320		2 0		
49	E-MC-8BA	E-42-RHR/V4B	1005	TYPE 0								F
2	C&E	NEMA1 MTR STR RHR-V-4B	R 522 N.0/4.0	E503/7				4320		1 0		
49	E-MC-8BA	E-42-RHR/V4C	1005	TYPE 0								F
2	C&E	NEMA1 MTR STR RHR-V-4C	R 522 N.0/4.0	E503/7				4320		1 0		
49	E-MC-7BA	E-42-RHR/V42A	1005	TYPE 0								
2	C&E	NEMA2 MTR STR RHR-V-42A	R 522 N.0/4.0	E503/7				4320		1 0		
49	E-MC-8BA	E-42-RHR/V42B	1005	TYPE 0	035026							
2	C&E	NEMA2 MTR STR RHR-V-42B	R 522 N.0/3.8	E503/7				4320		1 0		
49	E-MC-8BA	E-42-RHR/V42C	1005	TYPE 0	035026							
2	C&E	NEMA2 MTR STR RHR-V-42C	R 522 N.0/3.8	E503/7				4320		1 0		
49	E-MC-7BB	E-42-RHR/V47A	1005	TYPE 0								
2	C&E	NEMA1 MTR STR RHR-V-47A	R 572 N.4/5.8	E503/12				4320		1 3		

4899 General Form, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 VMP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/02 PAGE 156

CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	HP	HP MODEL NO.	Q10	TEST	ANLI	P/O	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	NO.	AGING	ONE	CA	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION	DRAWING								USE		
49	E-NC-88B+	E-42-RHR/V47B	1005	TYPE 00*								
2	C/E	NEMAI MTR STR RHR-V-47B	R 572 H-7/842	E503/12				4320			1	3
49	E-NC-78B+	E-42-RHR/V48A	1005	TYPE 00*								
2	C/E	NEMAI MTR STR RHR-V-48A	R 572 H-4/56	E503/12				4320			1	3
49	E-NC-88B+	E-42-RHR/V48B	1005	TYPE 00*								
2	C/E	NEMAI MTR STR RHR-V-48B	R 572 H-7/842	E503/12				4320			1	3
49	E-NC-88B+	E-42-RHR/V49	1005	TYPE 00*								
2	C/E	NEMAI MTR STR RHR-V-49B	R 572 H-7/842	E503/12				4320			2	0
49	E-NC-78B+	E-42-RHR/V52A	1005	TYPE 00*								
2	C/E	NEMAI MTR STR RHR-V-52A	R 572 H-4/56	E503/12				4320			1	1
49	E-NC-88B+	E-42-RHR/V52B	1005	TYPE 00*								
2	C/E	NEMAI MTR STR RHR-V-52B	R 572 H-7/842	E503/12				4320			1	1
49	E-NC-78A+	E-42-RHR/V53A	1005	TYPE 00*								
2	C/E	NEMAI MTR STR RHR-V-53A	R 522 H-7/843	E503/7				4320			1	3
49	E-NC-78A+	E-42-RHR/V53B	1005	TYPE 00*			025026					
2	C/E	NEMAI MTR STR RHR-V-53B	R 522 H-7/843	E503/7				4320			1	3
49	E-NC-88A+	E-42-RHR/V6A	1005	TYPE 00*								
2	C/E	NEMAI MTR STR RHR-V-6A	R 522 H-7/843	E503/7				4320			1	3
49	E-NC-88A+	E-42-RHR/V6B	1005	TYPE 00*								
2	C/E	NEMAI MTR STR RHR-V-6B	R 522 H-0/40	E503/7				4320			1	3
49	E-NC-78B+	E-42-RHR/V68A	1005	TYPE 00*								
2	C/E	NEMAI MTR STR RHR-V-68A	R 572 H-7/60	E503/12				4320			2	0
49	E-NC-88B+	E-42-RHR/V68B	1005	TYPE 00*								
2	C/E	NEMAI MTR STR RHR-V-68B	R 572 H-5/57	E503/12				4320			2	0

Meadel Electric Form, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 157

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO. PLANT LOCATION	QTY	TEST AGE	AGE	ANL C	F70 HOURS	C1 ACCURACY	FREQ TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING								USE		
49 2 H	E-MC-78B+ NEMA:1 MTR STR FOR RHR-V-73A	E-42-RHR/V73A	1005	TYPE D R 572 H 5/8 2					4320		1 3	
49 2 C&E	E-MC-88B+ NEMA1 MTR STR RHR-V-73B	E-42-RHR/V73B	1005	TYPE DD R 572 H 7/8 2					4320		1 3	
49 2 C&E	E-MC-78B+ NEMA1 MTR STR RHR-V-74A	E-42-RHR/V74A	1005	TYPE DD R 572 H 4/8 2					4320		1 3	
49 2 C&E	E-MC-88B+ NEMA1 MTR STR RHR-V-74B	E-42-RHR/V74B	1005	TYPE DD R 572 H 7/8 2					4320		1 3	
49 2 H	E-MC-S271A+ NEMA:2 MOTOR STARTER FOR RHR-V-8	E-42-RHR/V8	1005	TYPE H R 471 H 7/8 8					4320		1 3	F
49 2 H	E-MC-78B+ NEMA1 MTR STR FOR RHR-V-87A	E-42-RHR/V87A	1005	TYPE D R 572 H 5/8 2					4320		1 1	
49 2 C&E	E-MC-88B+ NEMA1 MTR STR RHR-V-87B	E-42-RHR/V87B	1005	TYPE DD R 572 H 7/8 2					4320		1 1	
49 2 C&E	E-MC-88A+ NEMA1 MTR STR RHR-V-9	E-42-RHR/V9	1005	TYPE DD R 522 H 0/4 8					4320		1 3	F
49 2 H	E-MC-88+ NEMA1 MTR STR RRA-FN-1	E-42-RRR/FN1	1005	TYPE A R 522 H 0/3 8			035024		4320		1 3	F
49 2 J	E-MC-88+ NEMA 1 MTR STR FOR RRA-FN-10	E-42-RRR/FN10	1005	TYPE AA R 522 H 0/3 8			035024		4320		1 3	F
49 2 J	E-42-RRR/FN11	E-42-RRR/FN11	1005	TYPE AA R 522 H 4/8 1			A 035024		4320		1 3	F
49 2 H	E-MC-7B+ NEMA:1 MOTOR STARTER FOR RRA-FN-12	E-42-RRR/FN12	1005	TYPE AA R 522 H 5/8 3			A		4320		1 0	F

Meters Bureau Form, P. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
UNPWR CLASS I.E. EQUIPMENT LIST

DATE 01/12/82 PAGE 158

CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	REFG	REFG MODEL NO.	QTY	TEST	ANL	F70	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	DRWG	ASNG	OBJ	CT	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION									USE		
49		E-42-BBA/FN13	1005	TYPE "A"	035026							F
2	J	R 574 H.4/5.7		E503/12				4320		1 3		
49		E-42-RRR/FN14	1005	TYPE "A"	035026							F
2	J	R 574 H.4/5.7		E503/12				4320		1 3		
49		E-MC-7BB	E-42-RRR/FN15	1005	TYPE "A"							F
2	J	R 572 H.4/5.8		E503/12				4320		1 0		
		NEMA 1 MOTOR STARTER FOR RRA-FN-15										
49		E-MC-8BB	E-42-BRA/FN17	1005	TYPE "A"							F
2	J	R 572 H.7/6.2		E503/12				4320		1 0		
		NEMA 1 MOTOR STARTER FOR RRA-FN-17										
49		E-42-RRR/FN2	1005	TYPE "A"	035026							F
2	J	R 527 H3/8.3		E503/8				4320		1 3		
49		E-MC-8BA	E-42-RRR/FN20	1005	TYPE "A"							F
2	J	R 522 H.0/5.9		E503/7				4320		1 3		
		NEMA 1 MOTOR STARTER FOR RRA-FN-20										
49		E-MC-8B	E-42-RRR/FN3	1005	TYPE "A"							F
2	HA	R 522 H.0/3.6		E503/8				4320		1 0		
		NEMA 1 MTR STR RRA-FN-3										
49		E-42-RRR/FN5	1005	TYPE "A"	035024							F
2	J	R 522 H4/8.1		E503/8				24		1 3		
49		E-42-RRR/FN6	1005	TYPE "A"	035024							F
2	J	R 522 H0/3.6		E503/8						1 3		
49		E-MC-8BA	E-42-RRC/V16A	1005	TYPE "D"							F
2	J	R 522 H.7/8.3		E503/7				4320		2 0		
		NEMA 1 MTR STR RRC-V-16A										
49		E-MC-7BA	E-42-RRC/V16B	1005	TYPE "D"							F
2	J	R 522 H.7/8.3		E503/7				4320		2 0		
		NEMA 1 MOTOR STARTER FOR RRC-V-16B										
49		E-42-RRCU/V1	1005	TYPE "D"								F
2	J	R 522 H0/9.0		E503/7				4320		1 3		

Merrill Lynch, Pierce, Fenner & Smith, Inc.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 - NEMA CLASS 1E EQUIPMENT LIST -

DATE 01/12/82 PAGE 159

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG PLANT LOCATION	MFG MODEL NO. ROOM	QTY HS	TEST AGING	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL	USE
49 2	B1	E-MC-S2/1A+ NEMA 1 MOTOR STARTER FOR RUCU-V-4	E-42-RUCU/V4	I005 R 471 H.7/7/8	TYPE 0H E505			4320				F
49 2	H	E-MC-78B+ DISC TO SGT-EHC-1B1	E-42-SGT/EHC1B1	I005 R 572 H.7/6.0	TYPE 4G			4320				F
49 2	D		E-42-SGT/FN1A1	I005 R 476 H.4/7/8	TYPE 0D E503/12			4320				F
49 2	F	E-MC-88B+ NEMA 2 MOTOR STR FOR SGT-FN-1A-2	E-42-SGT/FN1A2	I005 R 572 H.7/8.2	TYPE 0A E503/12			4320				F
49 2	D		E-42-SGT/FN1B1	I005 R 575 H.4/5.7	CH 5641-DACAB E503/12			4320				F
49 2	F	E-MC-88B+ NEMA 2 MOTOR STARTER SGT-FN-1B-2	E-42-SGT/FN1B2	I005 R 472 H.7/8.2	TYPE 0A E503/12			4320				F
49 2	D	E-MC-78B+ NEMA 1 MOTOR STR TR SGT-V-1A	E-42-SGT/V1A	I005 R 572 H.5/8.2	TYPE 0D E503/12			4320				F
49 2	D		E-42-SGT/V1B	I005 R 572 H.5/8.2	TYPE 0D E503/12			4320				F
49 2	D	E-MC-78B+ NEMA1 MTR STR SGT-V-3A1	E-42-SGT/V3A1	I005 R 576 H.4/5.7	TYPE 0 E503/12			4320				F
49 2	D	E-MC-88B+ NEMA1 MTR STR SGT-V-3A2	E-42-SGT/V3A2	I005 R 576 H.7/8.2	TYPE 0 E503/12			4320				F
49 2	D	E-MC-78B+ NEMA1 MTR STR SGT-V-3B+	E-42-SGT/V3B1	I005 R 575 H.4/5.7	TYPE 0 E503/12			4320				F
49 2	D	E-MC-88B+ NEMA1 MTR STR SGT-V-3B2	E-42-SGT/V3B2	I005 R 575 H.7/8.2	TYPE 0 E503/12			4320				F

Marty Business Forms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS I-E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	UID AGING	TEST DUE	ANL C	F/O HOURS	FREQ ACCURACY	TH HL
49 2	D D	E-MC-7BB+ NEMA 1 MTR STR SGT-V-4A1	E-42-SGT/V4A1 R 573 M.4/5.7	1005 E503/12	TYPE D			4320	1 0	F
49 2	D D	E-MC-8BB+ NEMA 1 MTR STR SGT-V-4A2	E-42-SGT/V4A2 R 573 M.7/8.2	1005 E503/12	TYPE D			4320	1 0	F
49 2	D D	E-MC-7BB+ NEMA 1 MTR STR SGT-V-4B1	E-42-SGT/V4B1 R 576 M.4/5.7	1005 E503/12	TYPE D			4320	1 0	F
49 2	D D	E-MC-8BB+ NEMA 1 MTR STR SGT-V-4B2	E-42-SGT/V4B2 R 576 M.7/8.2	1005 E503/12	TYPE D			4320	1 0	F
49 2	D D	E-MC-7BB+ NEMA 1 MTR STR SGT-V-5A1	E-42-SGT/V5A1 R 576 M.4/5.7	1005 E503/12	TYPE D			4320	1 0	F
49 2	D D	E-MC-8BB+ NEMA 1 MTR STR SGT-V-5A2	E-42-SGT/V5A2 R 576 M.7/8.2	1005 E503/12	TYPE D			4320	1 0	F
49 2	D D	E-MC-7BB+ NEMA 1 MTR STR SGT-V-5B1	E-42-SGT/V5B1 R 575 M.4/5.7	1005 E503/12	TYPE D			4320	1 0	F
49 2	D D	E-MC-8BB+ NEMA 1 MTR STR SGT-V-5B2	E-42-SGT/V5B2 R 575 M.7/8.2	1005 E503/12	TYPE D			4320	1 0	F
49 2	D D	E-MC-8BB+ DISC TO SGT EHC-1A2	E-42-SGTEHC1A2 R 572 M.5/6.2	1005 E503/12	TYPE D			4320	1 0	F
49 2	D D	E-MC-7BB+ BRKR TO SGT-ERC-1B1	E-42-SGTEHC1B1 R 576 M.4/5.7	1005 5641D	TYPE *00			4320	1 0	F
49 2	D D	E-MC-8BB+ BRKR TO SGT-EHC-1B2	E-42-SGTEHC1B2 R 572 M.7/8.2	1005 5641D	TYPE *00			4320	1 0	F
49 2	D D	E-MC-7B+ NEMA 3 MOTOR STARTER FOR SLC-P-1A	E-42-SLC/P1A R 522 M.7/8.2	1005 E503/8	TYPE D			4320	1 0	F

Mettler-Barnett Form, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WNP-2 CLASS 1F EQUIPMENT LIST

DATE 01/12/82 PAGE 161

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG MODEL NO. PLANT LOCATION	QTY	TEST AGEING	ANL C	F/O HOURS	C	FREQ ACCURACY	TM	HL
EC				DRAWING						USE		
49 2 D	E-MC-8B+ NEMA 3 MOTOR STARTER FOR SLC-P-1B	E-42-SLC/P1B	I005	TYPE D R 526 N/3.8 E503/8				4320		1 0		F
49 2 D	E-MC-7B+ NEMA 3 MOTOR STARTER FOR SLC-V-1A	E-42-SLC/V1A	I005	TYPE D R 522 H4/8.1 E503/8				4320		1 0		F
49 2 D	E-MC-8B+ NEMA 1 MOTOR STARTER FOR SLC-V-1B	E-42-SLC/V1B	I005	TYPE D R 526 N/3.8 E503/8		035026		4320		1 0		F
49 2 E	E-MC-7BA+ NEMA 1 MOTOR STARTER FOR SW-V-187A	E-42-SW/V187A	I005	TYPE D R 522 H.7/8.3 E503/7						1 3		F
49 2 E	E-MC-8BA+ NEMA 1 MOTOR STARTER FOR SW-V-187B	E-42-SW/V187B	I005	TYPE D R 522 N.0/3.9 E503/7						1 3		F
49 2 C	E-MC-7B+ NEMA 1 MOTOR STARTER FOR SW-V-24A	E-42-SW/V24A	I005	TYPE D R 522 H4/8.1 E503/8				4320		1 3		F
49 2 C	E-MC-8BA+ NEMA 1 MOTOR STARTER FOR SW-V-24B	E-42-SW/V24B	I005	TYPE D R 522 N0/4.0 E503/7				4320		1 3		F
49 2 C	E-MC-8BA+ NEMA 1 MOTOR STARTER FOR SW-V-24C	E-42-SW/V24C	I005	TYPE D R 522 N0/4.0 E503/7				4320		1 3		F
49 2 C	E-MC-7B+ NEMA 1 MOTOR STARTER FOR SW-V-44	E-42-SW/V44	I005	TYPE D R 522 H4/8.1 E503/8				4320		1 0		F
49 2 E	E-MC-7BA+ NEMA 1 MOTOR STARTER FOR SW-V-75A	E-42-SW/V75A	I005	TYPE D R 522 H.7/8.3 E503/7				4320		1 0		F
49 2 E	E-MC-7BA+ NEMA 1 MOTOR STARTER FOR SW-V-75B	E-42-SW/V75B	I005	TYPE D R 522 H.7/8.3 E503/7				4320		1 0		F
49 2 B1		EDR-LMS-V19						4320		1 0		F
				H537 D9		XP						

Meters Bureau Form, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 162

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. DRAWING	QID ROOM	TEST DBB	ANL C	F/O HOURS	C ACCURACY	FREQ TM	HL	USE
2	B1	FDR-LMS-V20	R 468 H 4/4 43	M537 D9	RP			4320				1 0.
58	E-IR-61+	FDR-SPV-19	A499 WJHT831654	M537 D9	R10	AM	315004	2 1 0.0		33+	N	
2	B1	PILOT VALVE FOR CONT ISO VLV V-19	R 426 H 1/3 6	M537 D9				4320				1 0.
58	E-IR-65+	FDR-SPV-20	A499 WJHT831654	M537 D9	R206	BH	315004	2 1 0.0		33+	N	
2	B1	PILOT VALVE FOR CONT ISO VLV V-20	R 471 H 0/3 6	M537 D9				4320				1 0.
41	B1,F	FDR-LMS-3	N007 SAI-133	M539 D6	P		200004	4320				2 0.
2	B1,F	FDR-LMS-4	N007 SAI-133	M539 D6	P		200004	4320				2 0.
206	F	FDR-RMS-601	M322	M539 C12	A			4320				4 0.
3	F	RMS FOR FDR-V-601	R 426 H 7/9 4	M539 C13				4320				4 0.
206	F	FDR-RMS-602	M322	M539 C13	A			4320				4 0.
3	F	RMS FOR FDR-V-602	R 426 H 7/9 4	M539 C13				4320				4 0.
206	F	FDR-RMS-603	M322	M539 C7	A			4320				4 0.
3	F	RMS FOR FDR-V-603	R 441	M539 C7				4320				4 0.
206	F	FDR-RMS-604	M322	M539 C9	A			4320				4 0.
3	F	RMS FOR FDR-V-604	R 441	M539 C9				4320				4 0.
58	E-IR-61+	FDR-SPV-3	A499 WJHT8344A72	M539 D6	R10	AM	315004	2 1 0.0		33+	N	
2	B1	CONTAINMENT FOR ISOLATION VALVE (X)	R 426 H 1/3 6	M539 D6				4320				1 0.
58	E-IR-65+	FDR-SPV-4	A499 WJHT831654	M539 D6	R206	BH	315004	2 1 0.0		33+	N	
2	B1	SOLENOID PILOT FOR FDR-V-4 IR-65	R 471 H 0/3 9	M539 D6				4320				1 0.
58	E-IR-62+	FDR-SPV-601	A499 WJHT831654	M539 C11	AM		315004	2 1 0.0		33+	R N	
2	F	REACTOR BLDG. AREA DRAINS TO SUMP	R 476 H 4/6 48	M539 C11				4320				2 0.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MWP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 163

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	WFO: PLANT LOCATION	WFO MODEL NO: ROOM	QID AS	TEST DBE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH	HL
58 2	E-IR-62+ SOLENOID PILOT FOR FDR-V-602 IR-62	FDR-SPV-602 R 476 H44/648	A499	MJHT831654 B13	315004	2 1	0.0	4320	2 0	33+	R	N
58 2	E-IR-61+ SOLENOID PILOT FOR FDR-V-603 IR-61	FDR-SPV-603 R 427 H.1/364	A499	MJHT831654 C7	315004	2 1	0.0	4320	2 0	33+	R	N
58 2	E-IR-62+ SOLENOID PILOT FOR FDR-V-604 IR-62	FDR-SPV-604 R 476 H44/648	A499	MJHT831676 C9	315004	2 1	0.0	4320	2 0	33+	R	N
3 3	E-IR-62+ F/OH BYPASS FLOW CONTROL OP	FPC-OPIC-1 R 476 H44/648	F130	M526 C9				4320	2 3			
220 3	G FUEL POOL RECIRC FLOW CONTROL	FPC-FIC-21 R		M526 J10				4320	2 3			
215 2	F FPC-TK-1A HIGH-HIGH LEVEL	FPC-LIS-1A R 572 K40/648	I204	289A M526 J9	198007	2 1	0.0	4320	2 3	33+		Y
215 2	F FPC-TK-1B HIGH-HIGH LEVEL	FPC-LIS-1B R 572 K.0/648	I204	289A M526 J8	198007	2 1	0.0	4320	2 3	33+		Y
215 2	F FPC-TK-1A LEVEL CONTROL HIGH SIDE	FPC-LIS-2A R 572 K.0/648	I204	289A M526 J9	198007	2 1	0.0	4320	2 3	33+		Y
215 2	F FPC-TK-1B LEVEL CONTROL HIGH SIDE	FPC-LIS-2B R 572 K.0/648	I204	289A M526 J8	198007	2 1	0.0	4320	2 3	33+		Y
215 2	F FPC-TK-1A LEVEL CONTROL LOW SIDE	FPC-LIS-3A1 R 572 K.0/649	I204	289A M526 J9	198007			4320	2 3			
215 2	F FPC-TK-1A LOW-LOW LEVEL	FPC-LIS-3A2 R 572 K.0/649	I204	289A M526 H9	198007			4320	2 3			
215 2	F FPC-TK-1B LEVEL CONTROL LOW SIDE	FPC-LIS-3B1 R 572 H40/649	I204	289A M526 J8	198007			4320	2 3			

Morrow Engineering Firm, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS-1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	RFC	RFC MODEL NO.	PLANT LOCATION	ROOM	Q3	BIO	TEST	ANL	F70	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING						ABTNG	DBE	C	HOURS		ACCURACY		
															USE
220 2 F	FPC-LIS-382	L204	289A					198007	2 1	0.0			17		Y
	FPC-TK-1B LOW-LOW LEVEL	R 572 N/06.9		M526 H8							4320		2 3		
215 2 F	FPC-P-1A+	FPC-M-1A	M120	TADP/326TS				213014							
	50HP/58A MOTOR FOR FPC-P-1A	R 550 M.2/3.5		M526 D13							4320		2 3		
215 2 F	FPC-P-1B+	FPC-M-1B	M120	TADP/326TS				213014							
	50HP/58A MOTOR FOR FPC-P-1B	R 550 M.2/3.5		M526 C13							4320		2 3		
21A 2 B1	FPC-V-153+	FPC-MO-153	L200	SMB-080-5				221016							
	MO FOR FPC-V-153	R 452 K/7.9		M526 B11							4320		2 3		
41A 2 B1	FPC-V-154+	FPC-MO-154	L200	SMB-080-5				221016							
	MO FOR FPC-V-154	R 452 J9/8		M526 B11							4320		2 3		
41A 2 B1	FPC-V-156+	FPC-MO-156	L200	SMB-080				221016							
	MO FOR FPC-V-156	R 460 K2/8.2		M526 C11							4320		2 3		
41A 2 B2	FPC-V-172+	FPC-MO-172													
	MO FOR FPC-V-172	R 471 K.9/9.0		M526 C9							4320		2 3		
41A 2 B2	FPC-V-173+	FPC-MO-173													
	MO FOR FPC-V-173	R 471 K/9.4		M526 C8							4320		2 3		
41A 2 B2	FPC-V-175+	FPC-MO-175													
	MO FOR FPC-V-175	R 448		M526 C10							4320		2 3		
41A 2 F	FPC-V-181A+	FPC-MO-181A													
	MO FOR FPC-V-181A	R 548		M526 D14							4320		2 3		
41A 2 F	FPC-V-181B+	FPC-MO-181B													
	MO FOR FPC-V-181B	R 548		M526 C14							4320		2 3		
41A 2 B2	FPC-V-184+	FPC-MO-184													
	MO FOR FPC-V-184	R 471 L.0/9.4		M526 C9							4320		2 3		

Murray Broadcast Forms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WWP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AS	TEST AGING	ANL DBE	F/O C	FREQ HOURS	TH ACCURACY	HL	USE
58 2 6	E-IR-71+	FPC-PS-6A	B070	D21-M1503S					4320			
		PUMP SUCTION PRESSURE P-1A	R 522 J.0/7.6.9	M526 E14						2 3		
58 2 6	E-IR-69+	FPC-PS-6B	B070	D21-M1503S					4320			
		PUMP SUCTION PRESSURE P-1B	R 522 N/8.1	M526 D14						2 3		
58 2 6	E-IR-71+	FPC-PS-9A	B070	D21-M125S					4320			
		PUMP DISCHARGE PRESSURE P-1A	R 522 N.0/7.6.1	M526 D13						2 3		
58 2 6	E-IR-69+	FPC-PS-9B	B070	D21-M125S					4320			
		PUMP DISCHARGE PRESSURE P-1B	R 522 N.0/7.6.1	M526 D13						2 3		
3 6		FPC-RMS-P1A	R 522 J.0/7.6.9	M526 E14					4320			
3 6		FPC-RMS-P1B	R 522 N.0/7.6.1	M526 D14					4320			
2 6	E-IR-62+	FPC-SPV-1	R 471 H.4/7.6.8	M526 C9					4320			
		FPC-V-1 F/DN BYPASS								2 3		
215 2 6	E-IR-69+	FPC-SPV-113	A499	MTHT831654					4320		33+	R N
		FPC CLEANUP BYPASS SOLENOID OPER.	R 525 N.0/7.6.0	M526 C14						2 3		
02E22 3 C	E-IR-P024+	HPCS-DPIS-9	I204	289								
		HPCS BREAK LOGIC H22-P024	R 471 L.2/7.3.9	M520 J7						1 0		
02E22 3 C & I	E-IR-P024+	HPCS-FIS-6	I204	0289							33+	N
		HPCS-P-1 DISCH.	R 471 L.2/7.3.9	M520 B4	R206	AB			24		1 0	
02E22 3 C & I	E-IR-P024+	HPCS-FT-5	6082	50-595-11CHA4WCF							33+	N
		HPCS-P-1 DISCH	R 471 L.2/7.3.9	M520 B4	R206	AP			24		1 0	
69 2 C	HPCS-V-5+	HPCS-LMS-5	N007	84836-0577								
		LMS FOR HPCS-V-5 CONT ISOL	C 549 247 D. A2 R17	M520 HB					24		2 0	

Murray Equipment Forms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 HPS-3 CLASSIFIED EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AS	TEST DATE	ANL. C.	F70. HOURS	C. ACCURACY	FREQ. TN	HL
02E22 2 C		HPCS-LS-2A POOL LEVEL HPCS VALVE CNTL	M040 R 465 U.5/7.1	1.5-751-1X-HPC-M14BY M545 B1A	207002	1 4	0.0	24	1.0		N
02E22 2 C		HPCS-LS-2B POOL LEVEL HPCS VALVE CNTL	M040 R 471 M/8.0	159C4294P002 M545 B5	207002	1 4	0.0	24	1.0		N
02E22 2 C		HPCS-P-1+ 3000HP/373A MOTOR DRIVER HPCS-P-1	M080 R 430 M.0/4.0	5K6357XC10A M520 B6	213013	1 4	0.0	24	1.0		N
35A 2 C		HPCS-P-3+ 15HP/18A MOTOR FOR HPCS-P-3	M120 R 430 L.5/3.5	750A766 M520 C6	213016	1 4	0.0	24	1.0		N
02E22 2 C		HPCS-V-1+ 1.6HP 3.9A MOTOR OPER. HPCS-V-1	L200 R 435 M.0/4.0	SMB-000+25/P12B M520 C7	221012	1 4	0.0	24	33+		N
02E22 2 C		HPCS-V-10+ 26.0HP MOTOR OPERATOR HPCS-V-10	L200 R 451 M/3.8	SMB-3-150/C215Y M520 E3	221012	1 4	0.0	24	33		N
02E22 2 C		HPCS-V-11+ 9.75HP MOTOR OPERATOR HPCS-V-11	L200 R 451 M/3.8	SMB-3-150/C215Y M520 E3	221012	1 4	0.0	24	33+		N
02E22 2 C		HPCS-V-12+ 5HP 8.9A MOTOR OPER. HPCS-V-12	L200 R 430 M/3.4	SMB-2-40/C184Y M520 B5	221012	1 4	0.0	24	33+		N
02E22 2 C		HPCS-V-15+ MOTOR OPERATOR HPCS-V-15	L200 R 435 L.4/3.6	SMB-2-60/C184Y M520 D7	221012	1 4	0.0	24	33+		N
02E22 2 C		HPCS-V-23+ 9.75HP MOTOR OPERATOR HPCS-V-23	L200 R 451 L.5/3.9	SMB-4-150/C215Y M520 E5	221012	1 4	0.0	24	33+		N
02E22 2 C		HPCS-V-4+ 26HP 35A MOTOR OPERATOR HPCS-V-4	L200 R 547 M.3/7.3	SMB-4-200/3264R4 M520 G7	221012	1 4	0.0	24	33+	P	N
02E22 3 C		E-IR-P024+ HPCS-P-3 LOW DISCH ALARM H22-P024	I204 R 471 L.2/3.9	H288A M520 C4	245001	1 4	0.0	3320	33+		N

Murray Broadcast Form, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 NMP-2 CLASS 1E-EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/O	C.	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	OS	AGING	DHP	C.	HOURS	ACCURACY		
										USE		
02E22 2 C	E-IR-P024+ HPCS-P-1 DISCH	HPCS-PS-12 H22-P024	S382 R 471 L.2/3.9	SN-AA3-V105TT M208 B5	256015	1 A	0.0			33+		N
02E22 2 C	E-IR-P024+ HPCS-P-1 SUCTION	HPCS-PS-3 H22-P024	R240 R 471 L.2/3.9	SP-222-C M520 C4	256013					4320		1 0
2 6		HPCS-SP-20								4320		1 0
02C51 2 A	IRM-DET-2H INTER. RGE DET. IRM. DETECT		G080 C	112C3143BR IN. RPV 807E162TC	067001	1 A	0.0			04		N
02E31 2 F	LD-TE-18A LD TE RHR EQUIP AREA AMB TEMP		P427 R 468 K.07/9.0	282-N1A72 2-21-0603	339004		0.1			99+		N
02E31 2 F	LD-TE-18B LD TE RHR EQUIP AREA AMB TEMP		P427 R 465 K.07/9.0	282-N1A72 2-21-0603	339004		0.1			99+		N
02E31 2 F	LD-TE-18C LD TE RHR EQUIP AREA AMB TEMP		P427 R 468 K.07/9.0	282-N1A72 2-21-0603	339004		0.1			99+		N
02E31 2 F	LD-TE-18D LD TE RHR EQUIP AREA AMB TEMP		P427 R 465 K.07/9.0	282-N1A72 2-21-0603	339004		0.1			99+		N
02E31 2 F	LD-TE-27A LD TE RHR EQUIP AREA INLET VENT		N070 R 432 K9/9.4	N145C3224P1 2-21-0603	339004		0.1			99+		N
02E31 2 F	LD-TE-27B LD TE RHR EQUIP AREA INLET VENT		N070 R 432 K9/9.4	N145C3224P1 2-21-0603	339004		0.1			99+		N
02E31 2 F	LD-TE-27C LD TE RHR EQUIP AREA INLET VENT		N070 R 432 L5/9.4	N145C3224P1 2-21-0603	339004		0.1			99+		N
02E31 2 F	LD-TE-27D LD TE RHR EQUIP AREA INLET VENT		N070 R 432 K9/9.4	N145C3224P1 2-21-0603	339004		0.1			99+		N

MORRIS ENGINEERING, INC.

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NOS. ROOM	QTY. OS	TEST TAGING	ANL. ONE	F/O C. HOURS	FREQ. ACCURACY	TH	NL
02E31 2 F		LD-TE-28A LD TE RHR EQUIP AREA OUTLET VENT	P427 R 461 L3/9.3	282F9137 R115	339004			0.1 4320	99+		N
02E31 2 F		LD-TE-28B LD TE RHR EQUIP AREA OUTLET VENT	P427 R 465 K.9/9.3	102-9038-08-8042 R116	339004			0.1 4320	99+		N
02E31 2 F		LD-TE-28C LD TE RHR EQUIP AREA OUTLET VENT	P427 R 461 L3/9.3	282F9137 R115	339004			0.1 4320	99+		N
02E31 2 F		LD-TE-28D LD TE RHR EQUIP AREA OUTLET VENT	P427 R 465 K.9/9.3	102-9037-08-8042 R116	339004			0.1 4320	99+		N
02E21 3 C		E-CP-P001+ INJECTION VALVE D/P	LPCS-DPIS-6 H22-P001	I204 288 R 471 K.0/4.2	R206 AB	086001	1 4	0.0 4320	33+		N
02E21 3 C		E-CP-P001+ LPCS-P-1 DISCH FLOW	LPCS-FIS-4 H22-P001	I204 288 R 471 K.0/4.2	R206 AB	140001	1 4	0.0 29	33+		N
02E21 3 C		E-CP-P001+ LPCS-P-1 DIS FLOW TX	LPCS-FI-3 H22-P001	R080 355 R 471 K.0/4.2	AP	156003	1 4	0.0 4320	33+		N
2 C		LPCS-V-54 LIMIT SWITCH	LPCS-LMS-5	N007 C 554 110.0 AZ R16	D2400X-2 M520 G11	200009		4320			
69 2 C		LPCS-V-64 LIMIT SWITCH	LPCS-LMS-6	N007 C 547 124.0 AZ R16	M520 G9			4320			
02E21 2 C		LPCS-P-1+ 1500HP/192A MOTOR DRIVER	LPCS-M-1	G082 R 429 K.4/3.8	SK437X665A R12	213033	0 1	24			Y
41A 2 C		LPCS-V-1+ 1.62HP MOTOR OPERATOR	LPCS-MO-1	L200 R 460 K/4.1	SMB-0-40/756 R114	221011	1 4	0.0 24	35		Y
02E21 2 C		LPCS-FCV-11+ MOTOR OPERATOR	LPCS-MO-11	L200 R 425 K.2/3.9	SMB-000-3/K48 R12	221016		24			
					M520 B13						1 0

Morgan Stanley Form, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS-1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	LNFB. PLANT LOCATION	WFO MODEL NO. DRAWING	BID MS	TEST OBS	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
41B 2 C	LPCS-V-12+	LPCS-MO-12 3.89HP MOTOR OPERATOR LPCS-V-12	L200 R 460 K/4.1	SMB-2-60/148R M520 E15	221009 AB	1 4	0.0	24	37	1 0	Y
41A 2 C	LPCS-V-3+	LPCS-MO-3 9.75HP MOTOR OPERATOR LPCS-V-3	L200 R 930 L68/4.3	SMB-2-100/254UR3 M520 B11	221009 AB	1 4	0.0	24	37	1 0	Y
2 C	E-CP-P001+	LPCS-PI3-1	R 290 R 471 K40/4.2	M520 B13				24		1 0	
D2H22 2 C	E-CP-P001+	LPCS-PS-5 LPCS-P-1 DISCHARGE H22-P001	R 290 R 471 K/4.2	SP-222-C M520 B14	256013 AB	1 4	0.0	24	33+	1 0	N
02E21 2 C	E-CP-P001+	LPCS-PS-9 LPCS PUMP DISCHARGE PS TO ADS	B069 R 471 K/4.2	PIH-M600SS-V M520 B13	256005 AB	1 4	0.0	24	33+	1 0	N
5B 3 B1	E-IR-P025+	MS-DPIS-100 15-0-150 LINE C D/P	B080 R 501 L9/3.6	288 M502 D9	086001 AB	1 4	0.0	4320	33+	1 0	R N
02E31 3 I	E-IR-P015+	MS-DPIS-11A PCIS HI STM FLOW LINE D - H22-P015	I204 R 508 H6/7.3	0288 M529 D3	086001 AB	1 4	0.0	4320	33+	1 0	N
02E31 3 I	E-IR-P022+	MS-DPIS-11B PCIS HI STM FLOW LINE D	I204 R 471 H.6/8.1	288A M529 D3	086001 AB	1 4	0.0	4320	33+	1 0	N
02E31 3 I	E-IR-P010+	MS-DPIS-11C PCIS STM FLOW LINE D H22-P010	I204 R 471 H.5/7.5	288A M529 C3	086001 AB	1 4	0.0	4320	33+	1 0	N
02E31 3 I	E-IR-P025+	MS-DPIS-11D 15-0+150 LINE D D/P H22-P025	I294 R 501 L.9/3.6	288A M529 C3	086001 AB	1 4	0.0	4320	33+	1 0	N
02E31 3 I	E-IR-P015+	MS-DPIS-8A PCIS HI STM FLOW LINE A - H22-P015	I204 R 501 H.6/7.3	0288 M529 E14	086001 AB	1 4	0.0	4320	33+	1 0	N
02E31 3 I	E-IR-P022+	MS-DPIS-8B PCIS HI STM FLOW LINE A - H22-P022	I204 R 471 H.6/8.1	288A M529 E14	086001 AB	1 4	0.0	4320	33+	1 0	N

Murray Broadcast Form, Inc. 17

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	P70	C	FREQ	TM	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	MS	AGING	DBE	HOURS	ACCURACY			
02E31 3 I	E-IR-P010+ PCIS HI STM FLOW LINE A	MS-OPIS-8C	I204	288A	086001	1 4	0 0			33+		N
			R 471 M.5/4.5	M529	E14			4320	1 0			
02E31 3 I	E-IR-P025+ PCIS HI STM FLOW LINE A	MS-OPIS-8D	I204	288A	086001	1 4	0 0			33+		N
			R 501 L.9/3.6	M529	E14			4320	1 0			
02E31 3 I	E-IR-P015+ PCIS HI STM LINE A	MS-OPIS-9A	I204	288A	086001	1 4	0 0			33+		N
			R 501 M.6/7.4	M529	D14			4320	1 0			
02E31 3 I	E-IR-P022+ PCIS HI STM FLOW LINE B	MS-OPIS-9B	I204	288A	086001	1 4	0 0			33+		N
			R 471 M.6/7.5	M529	D14			4320	1 0			
02E31 3 I	E-IR-P010+ PCIS HI STM FLOW LINE B	MS-OPIS-9C	I204	288A	086001	1 4	0 0			33+		N
			R 471 M.5/4.5	M529	C14			4320	1 0			
02E31 3 I	E-IR-P025+ 15-D+150 LINE B	MS-OPIS-9D	I204	288A	086001	1 4	0 0			33+		N
			R 501 L.9/3.6	M529	C14			4320	1 0			
02 2 G	E-IR-P009+ MAIN STEAM DIFF PRESS RPV	MS-DPT-32	6080	555011BNAAMCA	091088							
			R 472 J.6/2.9	M530	G12			4320	2 3			
02 2 G	E-IR-P010+ MS FLOW -- H22-P010	MS-FT-33A	6082	4UCH	156088							
			R 471 M.5/4.5	M530	H12			4320	2 3			
02 2 G	E-IR-P009+ MS FLOW -- H22-P009	MS-FT-33B	6082	5055111BNAAMCA	156003							
			R 471 J.6/8.1	M530	H6			4320	2 3			
02 2 G	E-IR-P010+ MS FLOW -- H22-P010	MS-FT-33C	6082	4EAH	156007							
			R 471 M.5/4.5	M530	H13			4320	2 3			
02 2 G	E-IR-P009+ MS FLOW -- H22-P009	MS-FT-33D	6082	5055111BNAAMCH	156003							
			R 471 J.6/8.1	M530	H5			4320	2 3			
02 2 G	E-IR-P010+ NB-JP-1 FLOW TRANSMITTER	MS-FT-34A	6080	555111BNAAMCA	156003	I R H	2 2	P 0	1			F
			R 471 M.7/4.4	M530	F2			4320	2 3			

Moore Business Forms, Inc. 37

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFO. PLANT LOCATION	HFO MODEL NO. ROOM	QIO OR	TEST OR	ANL C	F70 HOURS	C FREQ ACCURACY	TH HL
02 2	E-IR-P009+	MS-FT-34B NB-JP-11 FLOW TRANSMITTER	6080 R 471 M.7/4.4	5551118NAA4WCA M530 E2	B	156003 I R H	2 2	P 0 4320	0	F -
02 2	E-IR-P010+	MS-FT-34C NB-JP-2 FLOW TRANSMITTER	6080 R 471 M.7/4.4	5551118NAA4WCA M530 E2	B	156003 I R H	2 2	P 0 4320	1	F -
02 2	E-IR-P009+	MS-FT-34D NB-JP-12 FLOW TRANSMITTER	6080 R 471 M.7/4.4	5551118NAA4WCA M530 E2	B	156003 I R H	2 2	P 0 4320	0	F -
02 2	E-IR-P010+	MS-FT-34E NB-JP-3 FLOW TRANSMITTER	6080 R 471 M.7/4.4	5551118NAA4WCA M530 E2	B	156003 I R H	2 2	P 0 4320	1	F -
02 2	E-IR-P009+	MS-FT-34F NB-JP-13 FLOW TRANSMITTER	6080 R 471 M.7/4.4	5551118NAA4WCA M530 E2	B	156003 I R H	2 2	P 0 4320	0	F -
02 2	E-IR-P010+	MS-FT-34G NB-JP-4 FLOW TRANSMITTER	6082 R 471 M.5/4.5	4EAH M530 F2	B	156007		4320		
02 2	E-IR-P009+	MS-FT-34H NB-JP-14 FLOW TRANSMITTER	6082 R 471 J6/8.1	50551118NAA4WCA M530 E2	B	156003		4320		
02 2	E-IR-P010+	MS-FT-34J NB-JP-5 FLOW TRANSMITTER	6082 R 471 M.5/4.5	4EAH M530 H13	B	156007		4320		
02 2	E-IR-P009+	MS-FT-34K NB-JP-15 FLOW TRANSMITTER	6082 R 471 J6/8.1	50551118NAA4WCA M530 H5	B	156003		4320		
02 2	E-IR-P010+	MS-FT-34L NB-JP-6 FLOW TRANSMITTER H22-P010	6082 R 471 M.5/4.5	4EAH M530 F2	B	156007		4320		
02 2	E-IR-P009+	MS-FT-34M NB-JP-16 FLOW TRANSMITTER	6082 R 471 J6/8.1	50551118NAA4WCA M530 E2	B	156003		4320		
02 2	E-IR-P010+	MS-FT-34N NB-JP-7 FLOW TRANSMITTER H22-P010	6082 R 471 M.5/4.5	4EAH M530 F2	B	156007		4320		

Murray Business Forms, Inc. 17

WASHINGTON/PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	WFO PLANT LOCATION	WFO MODEL NO. ROOM	QID AGEING	TEST OBE	ANL C	F/O HOURS	C ACCURACY	FREQ	TH	HL		
EC		DRAWING							USE					
02 2	E-IR-P010+	MS-FI-34P	6082	555118NAAA4MCA										
6	NB-JP-17 FLOW TRANSMITTER	R 471 H.5/4.5		M530 F2				4320		2	3			
02 2	E-IR-P009+	MS-FI-34S	6082	555118NAAA4MCA										
6	NB-JP-18 FLOW TRANSMITTER	R 471 H.7/4.4		M530 F2				4320		2	3			
02 2	E-IR-P009+	MS-FI-34U	6082	555118NAAA4MCA										
6	NB-JP-19 FLOW TRANSMITTER	R 471 J.7/8.0		M530 E2				4320		2	3			
02 2	E-IR-P010+	MS-FI-34V	6082	4FAH										
6	NB-JP-10 FLOW TRANSMITTER H22-P010	R 471 H.5/4.5		M530 H14				4320		2	3			
02 2	E-IR-P009+	MS-FI-34W	6080	555118NAAA4MCA										
6	MS FLOW - H22-P009	R 471 J.7/8.0		M530 H4				4320		2	3			
02B22 2	E-IR-P004+	MS-LIS-24A	1204	16483				198003	1.4	0.0		33+	F	N
A,B1,C	REACTOR LEVEL 3 AND 8 TRIPS	R 525 H.4/7.1		M529 H12				24				1.0		
02B22 2	E-IR-P027+	MS-LIS-24B	1204	288A				198001	1.4	0.0		33+		N
A,B1	MS LEVEL	R 527 H.7/6.8		M529 J5	R404	AB		24				1.0		
02B22 2	E-IR-P005	MS-LIS-24C	1204	228535-1				198004	1.4	0.0		33+		N
A,B1,C	MS LEVEL	R 526 N8/5.8		M529 H5	R404	AB		24				1.0		
02B22 2	E-IR-P026+	MS-LIS-24D	1204	159C843010				198005	1.4	0.0		33+	F	N
A,B1	MS LEVEL	R 530 J.9/9.5		M529 J12	R404	AB		24				1.0		
02B22 2	E-IR-P004+	MS-LIS-31A	6080	288A				198001						F
0	VESSEL LEVEL FOR HPCS	R 525 4.5/7.4		M529 H14	R404	NB		24				1.0		
02B22 2	E-IR-P005+	MS-LIS-31B	1204	16483				198003	1.4	0.0		33+		N
C	VESSEL LEVEL FOR HPCS	R 526 H.8/5.8		M529 H4	R404	AB		24				1.0		
02B22 2	E-IR-P004+	MS-LIS-31C	1204	288A				198001						
C	VESSEL LEVEL FOR HPCS	R 525 4.5/7.1		M529 H14	R404	NB		24				1.0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	P/O	C.	FREQ	TN	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DRAWING	LABING	DEF.	C.	HOURS	ACCURACY	USE		
02B22 2 C	E-IR-P004+	MS-LIS-310	I204	164R3		198003	1 4	0 0		33+		N
	VESSEL LEVEL FOR HPCS	H22-P004	R 526 J.9/4.5	M529	H4			24		1 0		
02B22 2 C	E-IR-P026+	MS-LIS-36A	Y010	33961		198008	1 4	0 0		33+		W N
	MS LEVEL	H22-P026	R 530 J.9/4.5	M529	J14			24		1 0		
02B22 2 C	E-IR-P027+	MS-LIS-36B	Y010	4418C		198002	1 4	0 0		33+		N
	MS LEVEL	H22-P027	R 527 J.9/4.5	M529	H4			24		1 0		
02B22 2 C	E-IR-P026+	MS-LIS-36C	Y010	4418C		198002	1 4	0 0		33+		F N
	MS LEVEL	H22-P026	R 524 J.9/4.5	M529	H4			24		1 0		
02B22 2 C	E-IR-P027+	MS-LIS-36D	Y010	4418C		198002	1 4	0 0		33+		F N
	MS LEVEL	H22-P027	R 527 J.9/4.5	M529	H4			24		1 0		
02B22 2 A	E-IR-P026+	MS-LIS-37A	I204	288A		198001	1 4	0 0		33+		N
	MS LEVEL	H22-P026	R 530 J.9/4.5	M529	J13			24		1 0		
02B22 2 A	E-IR-P027+	MS-LIS-37B	I204	164R3		198003	1 4	0 0		33+		F N
	MS LEVEL	H22-P027	R 527 J.9/4.5	M529	H4			24		1 0		
02B22 2 A	E-IR-P026+	MS-LIS-37C	I204	288A		198001	1 4	0 0		33+		F N
	MS LEVEL	H22-P026	R 524 J.9/4.5	M529	J14			24		1 0		
02B22 2 A	E-IR-P027+	MS-LIS-37D	I204	164R3		198003	1 4	0 0		33+		F N
	MS LEVEL	H22-P027	R 527 J.9/4.5	M529	H4			24		1 0		
02B22 2 A	E-IR-P026+	MS-LIS-38A	R080	288A		198001	1 4	0 0		33+		F N
	MS LEVEL	H22-P026	R 524 J.9/4.5	M529	J12			24		1 0		
02B22 2 A	E-IR-P027+	MS-LIS-38B	I204	958-943-467-947		198006	1 4	0 0		33+		N
	MS LEVEL	H22-P027	R 527 J.9/4.5	M529	J5			24		1 0		
02B22 2 A	E-IR-P026+	MS-LIS-26A	I204	760		199001	1 4	0 0		33+		F N
	MS LEVEL - - H22-P004		R 530 J.9/4.5	M529	H13			24		1 0		

Heavy Business Forms, Inc. 51

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 WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QTY	TEST	ANL	F/O	C	FREQ.	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	DR	ASMB	DBE	E	HOURS	ACCURACY	USE		
EC	EQUIPMENT DESCRIPTION	DRAWING										
02B22 2 A	E-IR-P027+	MS-LITS-26B	I204	943-958-93	199002	1 4	0.0	24	33+	F	N	
	MS LEVEL	H22-P027	R 527 M77/628	M529 H4	R404	AM			1.0			
02B22 2 A	E-IR-P026+	MS-LITS-26C	8089	760	199001	1 4	0.0	24	33+		N	
	MS LEVEL	H22-P005	R 526 N8/5.8	M529 H3	R404	AM			1.0			
02B22 2 A	E-IR-P027+	MS-LITS-26D	8089	760	199001	1 4	0.0	24	33+		N	
	MS LEVEL	H22-P026	R 522 M87/446	M529 J13		AM			1.0			
02B22 2 A	E-IR-P010+	MS-LITS-44A	I204	760	199001			24				
	MS LEVEL TRIP	H22-P010	R 471 M.57/465	M530 H14		RM			1.0			
02B22 2 A	E-IR-P009+	MS-LITS-44B	I204	760	199001	1 4	0.0	24	33+		N	
	MS LEVEL TRIP	H22-P009	R 471 J.67/8.1	M530 G6		AM			1.0			
02B22 2 B1	MS-V-22A+	MS-LMS-22A1	N007	EA700-86010	200002			24				
	MN STM ISO VLV 22A LMT SW1		C 513 9.0 AZ R27	M529 F12		XP			1.3			
02B22 2 A, B1	MS-V-22A+	MS-LMS-22A2	N007	EA700-86010	200002			24				
	MN STM ISO VLV 22A LMT SW2 TO RPS		C 513 5.0 AZ R27	M529 F12		XP			1.3			
02B22 2 B1	MS-V-22A+	MS-LMS-22A3	N007	EA700-86010	200002			24				
	MN STM ISO VLV 22A LMT SW3		C 513 5.0 AZ R27	M529 F12		XP			1.3			
02B22 2 A, B1	MS-V-22B+	MS-LMS-22B1	N007	EA700-86010	200002			24				
	MN STM ISO VLV 22B LMT SW1		C 513 15.0 AZ R27	M529 E12		XP			1.3			
02B22 2 A, B1	MS-V-22B+	MS-LMS-22B2	N007	EA700-86010	200002			24				
	MN STM ISO VLV 22B LMT SW2 TO RPS		C 513 15.0 AZ R27	M529 E12		XP			1.3			
02B22 2 B1	MS-V-22B+	MS-LMS-22B3	N007	EA700-86010	200002			24				
	MN STM ISO VLV 22B LMT SW3		C 513 15.0 AZ R27	M529 E12		XP			1.3			
02B22 2 B1	MS-V-22C+	MS-LMS-22C1	N007	EA700-86010	200002			24				
	MN STM ISO VLV 22C LMT SW1		C 513 3.95.0 AZ R27	M529 F5		XP			1.3			

Murray Business Forms, Inc.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG.	MFG. MODEL NO. PLANT LOCATION	ROOM	Q'S	QID A B I N G	TEST D B E	ANL C	F/O HOURS	C ACCURACY	FREQ	TM	HL
EC				DRAWING							USE			
02B22 2 A,B1	MS-V-22C+	MS-LMS-22C2	N007	EA700-86010						200002				
	MN STM ISO VLV 22C LMT SW2 TO RPS		C 513 345 D AZ R27				XP			24		1	3	
02B22 2 B1	MS-V-22C+	MS-LMS-22C3	N007	EA700-86010						200002				
	MN STM ISO VLV 22C LMT SW3		C 513 345 D AZ R27				XP			24		1	3	
02B22 2 B1	MS-V-22D+	MS-LMS-22D1	N007	EA700-86010						200002				
	MN STM ISO VLV 22D LMT SW1		C 513 355 D AZ R27				XP			24		1	3	
02B22 2 A,B1	MS-V-22D+	MS-LMS-22D2	N007	EA700-86010						200002				
	MN STM ISO VLV 22D LMT SW2 TO RPS		C 513 355 D AZ R27				XP			24		1	3	
02B22 2 B1	MS-V-22D+	MS-LMS-22D3	N007	EA700-86010						200002				
	MN STM ISO VLV 22D LMT SW3		C 513 355 D AZ R27				XP			24		1	3	
02B22 2 B1	MS-V-28A+	MS-LMS-28A1	N007	EA700-86010						200002				
	MN STM ISO VLV 28A LMT SW1		R 543 H7/5.9				P			24		1	3	
02B22 2 A,B1	MS-V-28A+	MS-LMS-28A2	N007	EA700-86010						200002				
	MN STM ISO VLV 28A LMT SW2 TO RPS		R 543 H7/5.9				XP			24		1	3	
02B22 2 B1	MS-V-28A+	MS-LMS-28A3	N007	EA700-86010						200002				
	MN STM ISO VLV 28A LMT SW3		R 543 H7/5.9				P			24		1	3	
02B22 2 B1	MS-V-28B+	MS-LMS-28B1	N007	EA700-86010						200002				
	MN STM ISO VLV 28B LMT SW1		R 543 H7/5.6				XP			24		1	3	
02B22 2 A,B1	MS-V-28B+	MS-LMS-28B2	N007	EA700-86010						200002				
	MN STM ISO VLV 28B LMT SW2 TO RPS		R 543 H7/5.6				XP			24		1	3	
02B22 2 B1	MS-V-28B+	MS-LMS-28B3	N007	EA700-86010						200002				
	MN STM ISO VLV 28B LMT SW3		R 543 H7/5.6				P			24		1	3	
02B22 2 B1	MS-V-28C+	MS-LMS-28C1	N007	EA700-86010						200002				
	MN STM ISO VLV 28C LMT SW1		R 543 H7/5.6				P			24		1	3	

Albany Business Forms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFQ	MFQ MODEL NO.	QID	TEST	ANL	F70	C	FREQ	TH	HL
EC			PLANT LOCATION	ROOM	DRWG	AGE	ONE	HOURS		ACCURACY		USE
02B22 2 A, B1	MS-V-28C+ MN STM ISO VLV 28C LMT SW2 TO RPS	MS-LMS-28C2	N007	EA700-86010				200002				
			R 543 H7/6.4	M529 F4	R310	XP		24		1.3		
02B22 2 B1	MS-V-28C+ MN STM ISO VLV 28C LMT SW1	MS-LMS-28C3	N007	EA700-86010				200002				
			R 543 H7/6.4	M529 F4		P		24		1.3		
02B22 2 B1	MS-V-28D+ MN STM ISO VLV 28D LMT SW1	MS-LMS-28D1	N007	EA700-86010				200002				
			R 543 H7/6.1	M529 E4		P		24		1.3		
02B22 2 A, B1	MS-V-28D+ MN STM ISO VLV 28D LMT SW2 TO RPS	MS-LMS-28D2	N007	EA700-86010				200002				
			R 543 H7/6.1	M529 E4	R310	XP		24		1.3		
02B22 2 B1	MS-V-28D+ MN STM ISO VLV 28D LMT SW3	MS-LMS-28D3	N007	EA700-86010				200002				
			R 543 H7/6.1	M529 E4		P		24		1.3		
02H22 3 G	E-IR-H22/P027 MS LEVEL	MS-LT-27	G080	C 504555				209005				
			R 524 H8/6.6	M529 J4		H		24		2.0		
41A 2 C	MS-V-16+ MOTOR OPERATOR MS-V-16	MS-MO-16	L200	SMB-000-7.5/1.56				221011	1.4	0.0		35 P Y
			R 504 H.8/6.2	M529 B13	R37	AA		24		1.3		
41A 2 C	MS-V-19+ 0.36HP 3.8A MOTOR OPERATOR MS-V-19	MS-MO-19	L200	SMB-000-9/D56A				221011	1.4	0.0		35 N
			R 504 H.8/6.2	M529 B14	R310	AA		24		1.3		
41B 2 C	MS-V-20+ 0.66HP MOTOR OPERATOR MS-V-20	MS-MO-20	L200	SMB-00-10/L56				221016				1.3
			R 504 H12/5.9	M529 C15	AA			24		1.3		
215 2 C	MS-V-67A+ 0.5 HP MOTOR OPERATOR FOR MS-V-67A	MS-MO-67A	L200	SMB-000-5/				221016				1.3
			R 501 H7/5.8	M529 F13	R310	SA		24		1.3		
215 2 C	MS-V-67B+ 0.5 HP MOTOR OPERATOR FOR MS-V-67B	MS-MO-67B	L200	SMB-000-5/				221016				1.3
			R 501 H7/5.6	M529 D13	R310	SA		24		1.3		
215 2 C	MS-V-67C+ 0.5 HP MOTOR OPERATOR FOR MS-V-67C	MS-MO-67C	L200	SMB-000-5/				221016				1.3
			R 501 H7/6.4	M529 F4	R310	SA		24		1.3		

Address Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFG. PLANT LOCATION	HFG. MODEL NO. ROOM	QID AGING	TEST DUE	ANL C	F/O HOURS	C ACCURACY	FREQ.	TR	HL
EC				DRAWING								USE
215 2 C	MS-V-67D+	MS-MQ-67D 15 HP MOTOR OPERATOR FOR MS-V-67D	L200 R 501 H7/8.2	SMR-000-5/ M310				24				1 3
02 2 B	E-IR-H22/P026+	MS-PI-4A MS PRESSURE - H22-P026	R290 R 525 J.7/4.7	EP M529 J13				24				2 3
02B22 2 A	E-IR-P004+	MS-PS-20A MAIN STEAM ISO. VLV SCRAM INTERLOK	B069 R 525 J.9/7.1	164C5354P00R001 M529 H12		256002	1 4 0.0	24				33+ 1 0
02B22 2 A	E-IR-P027+	MS-PS-20B MS ISO. VLV SCRAM INTRLK - H22-P027	B069 R 524 H.7/6.8	164C5359P001-002 M529 J5		256002	1 4 0.0	24				33+ 1 0
02B22 2 A	E-IR-P003+	MS-PS-20C MS ISO. VLV SCRAM INTRLK - H22-P003	B069 R 526 H.8/5.8	164C5359P001R03 M529 H5		256002	1 4 0.0	24				33+ 1 0
02B22 2 A	E-IR-P026+	MS-PS-20D MS ISO. VLV SCRAM INTRLK - H22-P026	B069 R 524 H.9/4.5	164C5359P001R02 M529 J12		256002	1 4 0.0	24				33+ 1 0
02B22 2 A	E-IR-P004+	MS-PS-23A HIGH VESSEL PRESSURE H22-P004	B069 R 525 J.9/7.1	164C5354P00R01 M529 H13		256002	1 4 0.0	24				33+ 1 0
02B22 2 A	E-IR-P027+	MS-PS-23B HIGH VESSEL PRESSURE	B069 R 524 H.7/6.8	164C5359P001-K02 M529 J5		256002	1 4 0.0	24				33+ 1 0
02B22 2 A	E-IR-P00B+	MS-PS-23C HIGH VESSEL PRESSURE H22-P003	B069 R 526 H.8/5.8	164C5359P001R03 M529 H5		256002	1 4 0.0	24				33+ 1 0
02B22 2 A	E-IR-P026+	MS-PS-23D HIGH VESSEL PRESSURE H22-P026	B069 R 524 J.9/4.5	164C5359P001R02 M529 J13		256002	1 4 0.0	24				33+ 1 0
02B22 2 C	E-IR-P026+	MS-PS-39A RELIEF VLV PRESS SWITCH	B069 R 524 J.9/4.5	164C5359P001R02 M529 J13		256002	1 4 0.0	24				33+ 1 0
02B22 2 C	E-IR-P026+	MS-PS-39B RELIEF VLV PRESS SWITCH	B069 R 524 J.9/4.5	164C5359P001R02 M529 J13		256002	1 4 0.0	24				33+ 1 0

Morris Business Forms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1F EQUIPMENT LIST

DATE 01/12/82 PAGE 178

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	UID	TEST DATE	ANL. C	F70 HOURS	FREQ. ACCURACY	TH	HL
EC				DRAWING					USE		
02B22 2 C	E-IR-P026+	MS-PS-39C	B069 R 524 J.9/4.5	164C5359P001R02 M529 J13 R404	RB	256002		24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39D	B069 R 524 J.9/4.5	164C5359P001R02 M529 J13 R404	RB	256002		24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39E	B069 R 524 J.9/4.5	164C5359P001R02 M530 J13 R404	RB	256002		24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39F	B069 R 524 J.9/4.5	164C5359P001 M529 J13 R404	RB	256002		24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39G	B069 R 524 J.9/4.5	164C5359P001R02 M529 J13 R404	RB	256002		24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39H	B069 R 530 J.9/4.5	164C5359P001R02 M529 J13 R404	RB	256002	1 4	0 0	33+		F N
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39I	B069 R 530 J.9/4.5	164C5359P001 M529 J13 R404	RB	256002		24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39J	B069 R 524 J.9/4.5	164C5359P001 M529 J13 R404	RB	256002	1 4	0 0	33+		N
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39K	B069 R 530 J.9/4.5	164C5359P001R02 M529 J13 R404	RB	256002		24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39L	B069 R 530 J.9/4.5	164C5359P001R02 M529 J13 R404	RB	256002		24	1 0		F
		RELIEF VLV PRESS SWITCH									
02B22 2 C	E-IR-P026+	MS-PS-39M	B069 R 524 J.5/4.5	164C1359P001R03 M529 J13 R404	RB	256002		24	1 0		F
		RELIEF VLV PRESSURE SWCH H22-P26									
02B22 2 C	E-IR-P026+	MS-PS-39N	B069 R 524 J.5/4.5	164C1359P001R03 M529 J13 R404	RB	256002	1 4	0 0	33+		F N
		RELIEF VLV PRESS SWITCH									

Mayer Business Forms, Inc. 31

WASHINGTON PUBLIC WATER SUPPLY SYSTEM
 WWP-2 CLASS 12 EQUIPMENT LIST

DATE 01/12/82 PAGE 179

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	RID AS	TEST DRC	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
EC	EQUIPMENT DESCRIPTION		DRAWING		USE							
02B22 2 C	E-IR-P026+	MS-PS-39P	B069 R 524 J.5/7.5	164C1359P001R03 M529 J13	256002	1 4	0.0	24		33+	F	N
		RELIEF VLV PRESS SWITCH								1.0		
02B22 2 C	E-IR-P026+	MS-PS-39R	B069 R 524 J.5/7.5	164C1359P001R03 M529 J13	256002	1 4	0.0	24		33+	F	N
		RELIEF VLV PRESS SWITCH								1.0		
02B22 2 C	E-IR-P026+	MS-PS-39S	B069 R 524 J.5/7.5	164C1359P001R03 M529 J13	256002	1 4	0.0	24		33+	F	N
		RELIEF VLV PRESS SWITCH								1.0		
02B22 2 C	E-IR-P026+	MS-PS-39U	B069 R 524 J.5/7.5	164C1359P001R03 M529 J13	256002	1 4	0.0	24		33+	F	N
		RELIEF VLV PRESS SWITCH								1.0		
02B22 2 C	E-IR-P026+	MS-PS-39V	B069 R 524 J.5/7.5	164C1359P001R03 M529 J13	256002	1 4	0.0	24		33+	F	N
		RELIEF VLV PRESS SWITCH								1.0		
02B22 2 C	E-IR-P026+	MS-PS-45A	B069 R 524 J.5/7.5	164C1359P001R03 M529 J13	256002	1 4	0.0	24		33+	F	N
		MS PRESSURE H22-P026								1.0		
02B22 2 C	E-IR-P027+	MS-PS-45C	B069 R 524 M.7/6.8	14C5359P001-R03 M529 J5	256002	1 4	0.0	24		33+	F	N
		MS PRESSURE H22-P027								1.0		
02B22 2 C	E-IR-P027+	MS-PS-45D	B069 R 524 M.7/6.8	14C5359P001-R03 M529 J5	256002	1 4	0.0	24		33+	F	N
		MS PRESSURE H22-P027								1.0		
02B22 2 C	E-IR-P004+	MS-PS-47A	S382 R 575 J.5/7.1	12N-AAS-SLOTT M529 G12	256016	1 4	0.0	24		33+	F	N
		DRYWELL								1.0		
02B22 2 C	E-IR-P005+	MS-PS-47B	S382 R 526 N.8/5.8	12N-AAS-NOTT M529 G4	256016	1 4	0.0	24		33+		N
		DRYWELL PRESS FOR HPCS H22-P005								1.0		
02B22 2 C	E-IR-P004+	MS-PS-47C	S382 R 575 J.5/7.1	12N-AAS-XLOTT M529 G12	256016	1 4	0.0	24		33+	F	N
		DRYWELL PRESSURE								1.0		
02B22 2 C	E-IR-P005+	MS-PS-47D	S382 R 526 N.8/5.8	12N-AAS-NOTT M529 G4	256016	1 4	0.0	24		33+		N
		DRYWELL PRESS FOR HPCS H22-P005								1.0		

Mopac Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WNP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NOS	MFG.	MFG MODEL NO.	QID	TEST	ANL	F70	C	FREQ	TH	HL
EC			PLANT LOCATION	ROOM	GS	ADIND	DBE	C	HOURS	ACCURACY		
				DRAWING					USE			
02B22 2 C	E-IR-P026+ DRYWELL PRESSURE	MS-PS-48A H22-P026	S382 R 535 J.5/4.5	12-AAS-X1051TT M529 G12	256016 R404 AB	1 4	0 0	24	33+	F	N	
02B22 2 C	E-IR-P027+ DRYWELL PRESSURE	MS-PS-48B H22-P027	S382 R 527 M.7/6.8	2B2-F7H67 M529 G5	256016 R404 AB	1 4	0.0	24	33+	F	N	
02B22 2 C	E-IR-P026+ DRYWELL PRESSURE	MS-PS-48C H22-P026	S382 R 535 J.5/4.5	12-AAS-X1051TT M529 G12	256016 R404 AB	1 4	0.0	24	33+	F	N	
02B22 2 C	E-IR-P027+ DRYWELL PRESSURE	MS-PS-48Q H22-P027	S382 R 527 M.7/6.8	12N-AA5-Y1051TT M529 G5	256016 R404 AB			24				F
02B22 3 I	E-IR-P026+ MS PRESSURE - - H22-P026	MS-PT-51A H22-P026	B015 R 535 J.4/7.1	K0556 M529 H12	259001 R404 AP	1 4	0.0	24	33+	F	N	
02B22 3 I	E-IR-P027+ MS PRESSURE - - H22-P027	MS-PT-51B H22-P027	B045 R 522 M.8/6.6	856110EATAALNEW M529 K4	259001 R404 AP	1 4	0.0	24	33+		N	
02D17 2 A	MAIN STEAM LINE "A" RADIATION	MS-RE-3A	G080 R 508 H7/5.9	237X7316001 M502 D2	277002 R310 XD			24				1 0
02D17 2 A	MAIN STEAM LINE "B" RADIATION	MS-RE-3B	G080 R 508 H7/5.6	237X7316001 M502 D1	277002 R310 XD			24				1 0
02D17 2 A	MAIN STEAM LINE "C" RADIATION	MS-RE-3C	G080 R 508 H7/6.4	237X7316001 M502 D2	277002 R310 XD			24				1 0
02D17 2 A	MAIN STEAM LINE "D" RADIATION	MS-RE-3D	G080 R 508 H7/6.1	237X7316001 M502 D1	277002 R310 XD			24				1 0
02 2 C	MS-RV-1A+ SPV FOR MS-RV-1A	MS-SPV-1AC	G080 C 543 25 D AZ	921D886NG001 R20 M529 K15				24				1 0
02 2 C	MS-RV-1B+ SPV FOR MS-RV-1B	MS-SPV-1BC	G080 C 543 30 D AZ	921D886NG001 R25 M529 K15				24				1 0

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID USE	TEST OBS	ANL C	F/O HOURS	FREQ ACCURACY	TM HL
02 2 C	MS-RV-1C+ SPV FOR MS-RV-1C	MS-SPV-1CC	G080 C 543 315 D AZ R25	921DR8GN001 M529 K15	A			24	1 0	
02 2 C	MS-RV-1D+ SPV FOR MS-RV-1D	MS-SPV-1DC	G080 C 543 335 D AZ R20	921D88GN001 M529 K15	A			24	1 0	
02 2 C	MS-RV-2A+ SPV FOR MS-RV-2A	MS-SPV-2AC	G080 C 543 30 D AZ R20	921D88GN001 M529 K15	A			24	1 0	
02 2 C	MS-RV-2B+ SPV FOR MS-RV-2B	MS-SPV-2BC	G080 C 543 45 D AZ R25	921DR8GN001 M529 K15	A			24	1 0	
02 2 C	MS-RV-2C+ SPV FOR MS-RV-2C	MS-SPV-2CC	G080 C 543 300 D AZ R25	921D88GN001 M529 K15	A			24	1 0	
02 2 C	MS-RV-2D+ SPV FOR MS-RV-2D	MS-SPV-2DC	G080 C 543 320 D AZ R20	921D88GN001 M529 K15	A			24	1 0	
02B22 2 B1	MN STM ISO VLV 22A TEST SOLENOID	MS-SPV-22A1	A610 C 513 5 D AZ R27	H7X-R320A20 M529 F12	315011 PP			24	1 3	
02B22 2 B1	MN STM ISO VLV 22A TEST SOLENOID	MS-SPV-22A2	C 513 5 D AZ R21	M529 F12	PP			24	1 3	
02B22 2 B1	MN STM ISO VLV 22A TEST SOLENOID	MS-SPV-22A3	C 513 5 D AZ R27	M529 F12	PP			24	1 3	
02B22 2 B1	MN STM ISO VLV 22B TEST SOLENOID	MS-SPV-22B2	C 513 15 D AZ R27	M529 F12	PP			24	1 3	
02B22 2 B1	MN STM ISO VLV 22B TEST SOLENOID	MS-SPV-22B3	C 513 15 D AZ R27	M529 F12	PP			24	1 3	
02B22 2 B1	MN STM ISO VLV 22C TEST SOLENOID	MS-SPV-22C2	A449 C 513 345 D AZ R27	M529 F05	PP			24	1 3	

Morgan Equipment Farms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP&S CLASS. I.F. EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	REF. PLANT LOCATION	REF. MODEL NO. ROOM	BID. ROOM	TEST. OBS.	ANL. C.	F70 HOURS	C. FREQ. ACCURACY	TH. HL. USE
02B22 2	B1	MS-SPV-22C3 MN STM ISO VLV 22C TEST SOLENOID	A949 C 513 345 D AZ R27	M529 F05		PP		24	1 3	
12B22 2	B1	MS-SPV-22D2 MN STM ISO VLV 22D TEST SOLENOID	C 513 355 D AZ R27	M529 F05		PP		24	1 3	
02B22 2	B1	MS-SPV-22D3 MN STM ISO VLV 22D TEST SOLENOID	C 513 355 D AZ R27	M529 E05		PP		24	1 3	
02B22 2	B1	MS-SPV-28A2 MN STM ISO VLV 28A TEST SOLENOID	R 513 H3/5.9	M529 F13		PP		24	1 3	
02B22 2	B1	MS-SPV-28A3 MN STM ISO VLV 28A TEST SOLENOID	R 513 H3/5.7	M529 F13		PP		24	1 3	
02B22 2	B1	MS-SPV-28B2 MN STM ISO VLV 28B TEST SOLENOID	R 513 H3/5.6	M529 E13		PP		24	1 3	
02B22 2	B1	MS-SPV-28B3 MN STM ISO VLV 28B TEST SOLENOID	R 513 H3/5.6	M529 E13		PP		24	1 3	
02B22 2	B1	MS-SPV-28C2 MN STM ISO VLV 28C TEST SOLENOID	R 513 H3/6.4	M529 F04		PP		24	1 3	
02B22 2	B1	MS-SPV-28C3 MN STM ISO VLV 28C TEST SOLENOID	R 513 H3/6.4	M529 F04		PP		24	1 3	
02B22 2	B1	MS-SPV-28D2 MN STM ISO VLV 28D TEST SOLENOID	R 513 H3/6.1	M529 E04		PP		24	1 3	
02B22 2	B1	MS-SPV-28D3 MN STM ISO VLV 28D TEST SOLENOID	R 513 H3/6.1	M529 E04		PP		24	1 3	
02 2	C	MS-RV-3A* SPV FOR MS-RV-3A	MS-SPV-3AC C 513 49 D AZ R20	6080 M529 K15	921D886H6001	B		24	1 0	

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MWP-2 CLASS EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AS	TEST OBS	ANL C	F/D HOURS	C ACCURACY	FREQ USE	TM HL
02 2	C EC	MS-RV-3B+ SPV FOR MS-RV-3B	MS-SPV-3BC	G080 C 543 67 D AZ R20 M529 K15	9210886N001	B		24		1 0	
02 2	C	MS-RV-3C+ SPV FOR MS-RV-3C	MS-SPV-3CC	G080 C 543 290 D AZ R20 M529 K15	9210886N001	B		24		1 0	
02B22 2	C	MS-RV-3D+ SOLENOID PILOT FOR MS-RV-3D	MS-SPV-3DA	A613 C 547 310 DEG AZ M529 08	C5246	RB	315008	24		1 0	
02B22 2	C	MS-RV-3D+ SOLENOID PILOT FOR MS-RV-3D	MS-SPV-3DB	A613 C 547 310 DEG AZ M529 08	C5246	RB	315008	24		1 0	
02 2	C	MS-RV-3D+ SPV FOR MS-RV-3D	MS-SPV-3DC	G080 C 543 310 D AZ R20 M529 K15	9210886N001	B		24		1 0	
02B22 2	C	MS-RV-4A+ SOLENOID PILOT FOR MS-RV-4A	MS-SPV-4AA	A613 C 547 62 DEG AZ M529 F9	C5246	RB	315008	24		1 0	
02B22 2	C	MS-RV-4A+ SOLENOID PILOT FOR MS-RV-4A	MS-SPV-4AB	A613 C 547 62 DEG AZ M529 F9	C5246	RB	315008	24		1 0	
02 2	C	MS-RV-4A+ SPV FOR MS-RV-4A	MS-SPV-4AC	G080 C 543 55 D AZ R20 M529 K15	9210886N001	B		24		1 0	
02B22 2	C	MS-RV-4B+ SOLENOID PILOT FOR MS-RV-4B	MS-SPV-4BA	A613 C 547 75 DEG AZ M529 D10	C5246	RB	315008	24		1 0	
02B22 2	C	MS-RV-4B+ SOLENOID PILOT FOR MS-RV-4B	MS-SPV-4BB	A613 C 547 75 DEG AZ M529 D10	C5246	RB	315008	24		1 0	
02 2	C	MS-RV-4B+ SPV FOR MS-RV-4B	MS-SPV-4BC	G080 C 543 80 D AZ R17 M529 K15	9210886N001	B		24		1 0	
02B22 2	C	MS-RV-4C+ SOLENOID PILOT FOR MS-RV-4C	MS-SPV-4CA	A613 C 547 285 DEG AZ M529 F8	C5246	RB	315008	24		1 0	

MWP-2 Class Equipment Form, Rev. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG PLANT LOCATION	MFG MODEL NO. ROOM	HTG MS	TEST AGING	ANL DBE	F/O C	FREQ HOURS	TH ACCURACY	HL	USE
02B22 2 C	MS-RV-4C+	MS-SPV-4CB	A613	C5246	315008				24	1 0		
		SOLENOID PILOT FOR MS-RV-4C	C 547 285 DEG AZ	M529 FB								
02 2 C	MS-RV-4C+	MS-SPV-4CC	6080	921D886NG001					24	1 0		
		SPV FOR MS-RV-4C	C 543 285 D AZ R25	M529 K15								
02B22 2 C	MS-RV-4D+	MS-SPV-4DA	A613	C5246	315008				24	1 0		
		SOLENOID PILOT FOR MS-RV-4D	C 547 300 DEG AZ	M529 DB								
02B22 2 C	MS-RV-4D+	MS-SPV-4DB	A613	C5246	315008				24	1 0		
		SOLENOID PILOT FOR MS-RV-4D	C 547 300 DEG AZ	M529 DB								
02 2 C	MS-RV-4D+	MS-SPV-4DC	6080	921D886NG001					24	1 0		
		SPV FOR MS-RV-4D	C 543 300 D AZ R20	M529 K15								
02B22 2 C	MS-RV-5B+	MS-SPV-5BA	A613	C5246	315008				24	1 0		
		SOLENOID PILOT FOR MS-RV-5B	C 547 80 DEG AZ	M529 D9								
02B22 2 C	MS-RV-5B+	MS-SPV-5BB	A613	C5246	315008				24	1 0		
		SOLENOID PILOT FOR MS-RV-5B	C 547 80 DEG AZ	M529 D9								
02 2 C	MS-RV-5B+	MS-SPV-5BC	6080	921D886NG001					24	1 0		
		SPV FOR MS-RV-5B	C 543 80 D AZ R20	M529 K15								
02B22 2 C	MS-RV-5C+	MS-SPV-5CA	A613	C5246	315008				24	1 0		
		SOLENOID PILOT FOR MS-RV-5C	C 547 275 DEG AZ	M529 FB								
02B22 2 C	MS-RV-5C+	MS-SPV-5CB	A613	C5246	315008				24	1 0		
		SOLENOID PILOT FOR MS-RV-5C	C 547 275 DEG AZ	M529 FB								
02 2 C	MS-RV-5C+	MS-SPV-5CC	6080	921D886NG001					24	1 0		
		SPV FOR MS-RV-5C	C 543 280 D AZ R25	M529 K15								
02B22 2 1		MS-TE-4A	P427					0.0	24	00	Y	
		MS TEMP REBLDG541J4-4.8	C 501									
				M529 F10					24	1 0		

WASHINGTON PUBLIC WATER SUPPLY SYSTEM
MWP-2 CLASS 1 EQUIPMENT LIST

DATE 01/12/82 PAGE 185

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGING	TEST OBE	ANL C	P/O HOURS	C	FREQ ACCURACY	TM	HL
				DRAWING								USE
02B22	2 I	MS-TE-4B MS TEMP REBLD6541L2-4.2	P427 C 501	M529 F10			0.0	24		00		Y
02B22	2 I	MS-TE-4C MS TEMP REBLD6541J9-7.2	P427 C 501	M529 D7			0.0	24		00		Y
02B22	2 I	MS-TE-4D MS TEMP REBLD6541K1-7.7	P427 C 501	M529 F7			0.0	24		00		Y
02B22	2 I	MS-TE-4E MS TEMP REBLD6541L9-4.3	P427 C 501	M529 D11			0.0	24		00		Y
02B22	2 I	MS-TE-4F MS TEMP REBLD6541M5-4.2	P427 C 501	M529 D11			0.0	24		00		Y
02B22	2 I	MS-TE-4G MS TEMP REBLD6541M5-7.2	P427 C 501	M529 F6			0.0	24		00		Y
02B22	2 I	MS-TE-4H MS TEMP REBLD6541M0-4.3	P427 C 501	M529 D10			0.0	24		00		Y
02B22	2 I	MS-TE-4J MS TEMP REBLD6541M7-6.5	P427 C 501	M529 F11			0.0	24		00		Y
02B22	2 I	MS-TE-4K MS TEMP REBLD6541J1-7.0	P427 C 501	M529 D7			0.0	24		00		Y
02B22	2 I	MS-TE-4L MS TEMP REBLD6541J8-7.5	P427 C 501	M529 F6			0.0	24		00		Y
02B22	2 I	MS-TE-4M MS TEMP REBLD6541M6-6.9	P427 C 501	M529 F8			0.0	24		00		Y
02B22	2 I	MS-TE-4N MS TEMP REBLD6541M1-7.3	P427 C 501	M529 F8			0.0	24		00		Y

Meters Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
VMP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 186

CONTRACT LV	COMPOSITE NO. & SAFETY FUNCTION	EQUIPMENT NO. & DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. & DRAWING	Q10	TEST DATE	ANLT. C. HOURS	F/O C. HOURS	FREQ. ACCURACY	TR	HL
02B22 2 I		MS-TE-4P MS TEMP REBLDG541K4-7.8	C 501	P427 M529 D0			0.0	24	00		Y
02B22 2 I		MS-TE-4R MS TEMP REBLDG541L9-4.3	C 501	P427 M529 D10			0.0	24	00		Y
02B22 2 I		MS-TE-4S MS TEMP REBLDG541L9-4.8	C 501	P427 M529 F9			0.0	24	00		Y
02B22 2 I		MS-TE-4U MS TEMP REBLDG541J8-4.3	C 501	P427 M529 D9			0.0	24	00		Y
02B22 2 I		MS-TE-4V MS TEMP REBLDG541J2-5.0	C 501	P427 M529 D8			0.0	24	00		Y
215 2 F		MSLC-FT-3A LOOP "A" TO MANIFOLD	R 477 H.4/5.7	F180 E130L M557 C6		156001		4320	1.0		
215 2 F		MSLC-FT-3B LOOP "B" TO MANIFOLD	R 474 H.4/5.7	F180 E130L M557 C5		156001		4320	1.0		
215 2 F		MSLC-FT-3C LOOP "C" TO MANIFOLD	R 477 H.4/5.8	F180 E130L M557 C6		156001		4320	1.0		
215 2 F		MSLC-FT-3D LOOP "D" TO MANIFOLD	R 474 H.4/5.8	F180 E130L M557 E5		156001		4320	1.0		
215 2 F		MSLC-H-A MAIN STM LEAKAGE CONTROL HTR A	R 480 H.4/5.3	C268 M557 C8				24	1.0		
215 2 F		MSLC-H-B MAIN STM LEAKAGE CONTROL HTR B	R 474 H.4/5.3	C268 M557 C7				24	1.0		
215 2 F		MSLC-H-C MAIN STM LEAKAGE CONTROL HTR C	R 481 H.4/5.3	C268 M557 E8				24	1.0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WHP-2 CLASS C EQUIPMENT LIST

DATE 01/12/82 PAGE 187

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HFC PLANT LOCATION	HFC MODEL NO. DRAWING	QID AS	TEST DHE	ANL C	P70 HOURS	C C	FREQ ACCURACY	TH HL
215 2	F EC	MSLC-H-D MAIN STM LEAKAGE CONTROL HTR D	C268 R 474 H.4/5.5	M557 ET	R206	RR		24		1 0	
28 2	F	MSLC-FH-1+ 1.5 HP MOTOR FOR MSLC-FH-1	M120 R 473 H.4/6.5	TBFC M557 F4	R206	XB	213020	24		1 0	
28 2	F	MSLC-FH-2+ 1.5HP MOTOR FOR MSLC-FH-2	M120 R 501 H.6/7.5	TBFC M557 G3	R308	XB	213020	24		1 0	
215 2	F	MSLC-V-1A+ 1HP MOTOR OPERATOR MSLC-V-1A	L200 R 474 H.5/5.5	SMC-04-3/42 M557 C7	R310	XA	221016	24		1 0	
215 2	F	MSLC-V-1B+ 1HP MOTOR OPERATOR MSLC-V-1B	L200 R 474 H.5/5.6	SMC-04-3/42 M557 C6	R310	XA	221016	24		1 0	
215 2	F	MSLC-V-1C+ 1HP MOTOR OPERATOR MSLC-V-1C	M120 R 474 H.5/5.6	TBFC M557 D7	R310	XA	221016	24		1 0	
215 2	F	MSLC-V-1D+ 1HP MOTOR OPERATOR MSLC-V-1D	L200 R 474 H.5/5.5	SMC-04-3/42 M557 D6	R310	XA	221016	24		1 0	
215 2	F	MSLC-V-10+ 1HP MOTOR OPERATOR MSLC-V-10	L200 R 502 H5/6.0	SMB-000-5/P48 M557 H5	R310	XA	221016	24		1 0	
215 2	F	MSLC-V-2A+ 1HP MOTOR OPERATOR MSLC-V-2A	L200 R 502 H6/5.5	SMB-000-5/P48 M557 C8	R310	XA	221016	24		1 0	
215 2	F	MSLC-V-2B+ 1HP MOTOR OPERATOR MSLC-V-2B	L200 R 502 H5/5.3	SMB-000-5/P48 M557 C8	R310	XA	221016	24		1 0	
215 2	F	MSLC-V-2C+ 1HP MOTOR OPERATOR MSLC-V-2C	L200 R 502 H6/6.4	SMB-000-5/P48 M557 E8	R310	XA	221016	24		1 0	
215 2	F	MSLC-V-2D+ 1HP MOTOR OPERATOR MSLC-V-2D	L200 R 502 H4/5.8	SMB-000-5/P48 M557 E8	R310	XA	221016	24		1 0	

Robert Marshall Form, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WNP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 188

CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFGS	MFG MODEL NO.	BID	TEST	ANL	P/O	C	FREQ	TH	HL
EC	SAFETY FUNCTION	PLANT LOCATION	ROOM	OS	AGING	ONE	C	HOURS	ACCURACY			
	EQUIPMENT DESCRIPTION	DRAWING							USE			
215 2	F	MSLC-V-3A+	MSLC-MO-3A	L200	SHB-000-5/P48	221016						
		1HP MOTOR OPERATOR MSLC-V-3A	R 502 H6/5.5	M557 C5	R310	XA		24		1.0		
215 2	F	MSLC-V-3B+	MSLC-MO-3B	L200	SHB-000-5/P48	221016						
		1HP MOTOR OPERATOR MSLC-V-3B	R 502 H6/5.3	M557 C6	R310	XA		24		1.0		
215 2	F	MSLC-V-3C+	MSLC-MO-3C	L200	SHB-000-5/P48	221016						
		1HP MOTOR OPERATOR MSLC-V-3C	R 502 H6/6.0	M557 C8	R310	XA		24		1.0		
215 2	F	MSLC-V-3D+	MSLC-MO-3D	L200	SHB-000-5/P48	221016						
		1HP MOTOR OPERATOR MSLC-V-3D	R 502 H4/5.8	M557 E8	R310	RA		24		1.0		
215 2	F	MSLC-V-4+	MSLC-MO-4	L200	SHB-000-5/P48	221016						
		1.0HP MOTOR OPERATOR MSLC-V-4	R 502 H2/6.0	M557 J5	R310	XA		24		1.0		
215 2	F	MSLC-V-5+	MSLC-MO-5	L200	SHB-000-5/P48	221016						
		1.0HP MOTOR OPERATOR MSLC-V-5	R 502 H2/6.2	M557 J5	R310	XA		24		1.0		
215 2	F	MSLC-V-9+	MSLC-MO-9	L200	SHB-000-5/P48	221016						
		1 HP MOTOR OPERATOR MSLC-V-9	R 502 H2/6.4	M557 H5	R310	XA		24		1.0		
58 3	F	E-IR-74+	MSLC-PS-20	I204	0288	256007		1 4	0 0		04	F N
		REACTOR PRESS INTERLOCK IR-74	R 575 J.5/7.1	M557 KA	R404	BB		4320		1.0		
58 3	F	E-IR-74+	MSLC-PS-24	I204	0288	256007		1 4	0 0		04	F N
		HEADER PRESS IR-74	R 575 H.4/7.1	M557 JB	R404	BB		4320		1.0		
58 3	F	E-IR-74+	MSLC-PS-25	I204	0288	256007		1 4	0 0		04	F N
		HEADER PRESS IR-74	R 575 H.4/7.1	M557 JB	R404	BB		4320		1.0		
58 3	F	E-IR-74+	MSLC-PS-60	0080	0288	256007		1 4	0 0		04	F N
		HEADER PRESS IR-74	R 575 H.4/7.1	M557 JB	R404	BB		4320		1.0		
58 3	F	E-IR-73+	MSLC-PS-7A	J204	0288	256007		1 4	0 0		04	F N
		LOOP "A" IR-73	R 535 H.2/4.2	M557 610	R404	BB		4320		1.0		

Murray Business Forms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MWP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	ROOM	HS	QID	TEST	ANL	F/O	C	FREQ	TM	HL
EC	EQUIPMENT DESCRIPTION		PLANT LOCATION	DRAWING			ARINS	OHF	C	HOURS	USE	ACCURACY		
58 3 F	E-IR-73+ LOOP #B# IR-73	MSLC-PS-7B	B080	288A	R 528 H-4/73.2		R404	BB	256007	1 4	0 0	4320	04	N
				M557	F10							1 0		
58 3 F	E-IR-73+ LOOP #C# IR-73	MSLC-PS-7C	B080	288A	R 528 H-4/74.2		R404	BB	256007	1 4	0 0	4320	04	N
				M557	F10							1 0		
58 3 F	E-IR-73+ LOOP #D# IR-73	MSLC-PS-7D	B080	288A	R 522 H-4/74.2		R404	BB	256007	1 4	0 0	4320	04	N
				M557	F10							1 0		
58 3 F	E-IR-73+ LOOP #A# PRESS IR-73	MSLC-PS-70A	I204	0288	R 528 H-4/74.2		R404	BB	256007	1 4	0 0	4320	04	F N
				M557	F8							1 0		
58 3 F	E-IR-73+ LOOP #B# PRESS IR-73	MSLC-PS-70B	B080	288A	R 528 H-4/74.2		R404	BB	256007	1 4	0 0	4320	04	N
				M557	F8							1 0		
58 3 F	E-IR-73+ LOOP #C# PRESS IR-73	MSLC-PS-70C	B080	288A	R 528 H-4/74.2		R404	BB	256007	1 4	0 0	4320	04	N
				M557	F8							1 0		
58 3 F	E-IR-73+ LOOP #D# PRESS IR-73	MSLC-PS-70D	B080	288A	R 528 H-4/74.2		R404	BB	256007	1 4	0 0	4320	04	N
				M557	F8							1 0		
58 3 F	E-IR-73+ REACTOR PRESS INTERLOCK IR-73	MSLC-PS-8A	I204	0288	R 528 H-4/74.2		R404	BB	256007	1 4	0 0	4320	04	F N
				M557	E11							1 0		
58 3 F	E-IR-73+ REACTOR PRESS INTERLOCK IR-73	MSLC-PS-8B	B080	288A	R 528 H-4/74.2		R404	BB	256007	1 4	0 0	4320	04	N
				M557	F12							1 0		
58 3 F	E-IR-73+ REACTOR PRESS INTERLOCK IR-73	MSLC-PS-8C	B080	288A	R 528 H-4/74.2		R404	BB	256007	1 4	0 0	4320	04	N
				M557	E12							1 0		
58 3 F	E-IR-73+ REACTOR PRESS INTERLOCK IR-73	MSLC-PS-8D	B080	288A	R 528 H-4/74.2		R404	BB	256007	1 4	0 0	4320	04	N
				M557	D12							1 0		
59 3 F	E-IR-74+ HEADER PRESS, IR-74	MSLC-PT-23	G082	103C1564P9122	R 525 H-4/77.1			BB	259003			4320		
				M557	J8							1 0		

Mesa Business Forms, Inc. LV

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QTY	AGRD	TEST DBE	ANL C	F/D HOURS	C	FREQ ACCURACY	TH HL
59	E-IR-73+	MSLC-PT-6A	R369	11510P9A22MBGE3								
3	F	MS LINE A PRESS	R 528 H.4/4.2	R404	AB				4320		1 0	
59	E-IR-73+	MSLC-PT-6B	R369	11510P9A22MBGE3								
3	F	MS LINE B PRESS	R 528 H.4/4.2	R404	AB				4320		07	R
59	E-IR-73+	MSLC-PT-6C	R369	11510P9A22MBGE3								
3	F	MS LINE C PRESS	R 528 H.4/4.2	R404	AB				4320		07	R
59	E-IR-73+	MSLC-PT-6D	R369	11510P9A22MBGE3								
3	F	MS LINE D PRESS	R 528 H.4/4.2	R404	AB				4320		07	R
58	E-IR-74+	MSLC-RLY-CR/1	A500	RK223067-EP								
3	F	REACTOR & MS LINE CTRL INTERLK	R 527 H.4/7.1		AD				283015	2 1	0.0	02 N
58	E-IR-73+	MSLC-RLY-CR/1A	A500	RK223067-EP								
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD				283015	2 1	0.0	02 F N
58	E-IR-73+	MSLC-RLY-CR/1B	A500	RK223067-EP								
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD				283015	2 1	0.0	02 F N
58	E-IR-73+	MSLC-RLY-CR/1C	A500	RK223067-ED								
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD				283015	2 1	0.0	02 F N
58	E-IR-73+	MSLC-RLY-CR/1D	A500	RK223067-ED								
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD				283015	2 1	0.0	02 F N
58	E-IR-73+	MSLC-RLY-CR/1E	A500	RK223067-ED								
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD				283015	2 1	0.0	02 F N
58	E-IR-73+	MSLC-RLY-CR/10	A500	RXMH2-069EP								
3	F	MSIV CLOSURE INTERLK	R 522 H.4/4.2		AD				283015	2 1	0.0	02 N
58	E-IR-73+	MSLC-RLY-CR/11	A500	RXMH2-069EP								
3	F	MS-MSLC CONTROL INTERLK	R 522 H.4/4.2		AD				283015	2 1	0.0	02 N
58	E-IR-73+	MSLC-RLY-CR/12	A500	RK223067-EP								
3	F	MS-MSLC CONTROL INTERLK	R 528 H.4/4.2		AD				283015	2 1	0.0	02 F N

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS OF EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	HPG. PLANT LOCATION	HPG. MODEL NO. ROOM	QID QTY	TEST DUE	ANL C	F/O HOURS	C ACCURACY	FREQ USE	TH HL
58 3 F	E-IR-73+	MSLC-RLY-CR/13	A500	RK223067-EP	283015	2 1	0 0	24	02	F N	
		R 528 H.4/4.2		E519/30	AD			1 0			
58 3 F	E-IR-74+	MSLC-RLY-CR/3	A500	RK223067-EP	283015	2 1	0 0	24	02	N	
		R 527 H.4/7.1		E519/31	AD			1 0			
218 3 F	E-IR-74+	MSLC-RLY-CR/4	A500	RK223067-EP	283015	2 1	0 0	24	33	N	
		R 522 H.4/7.1		E519/31	AD			1 0			
218 3 F	E-IR-74+	MSLC-RLY-CR/5	S440	219DXP	283041			24	1 0		
		R 522 H.4/7.1		E519/31	AD			1 0			
58 3 F	E-IR-73+	MSLC-RLY-CR/5A1	A500	RK223067-EP	283015	2 1	0 0	24	02	F N	
		R 528 H.4/4.2		E519/30	AD			1 0			
58 3 F	E-IR-73+	MSLC-RLY-CR/5A2	A500	RK225052-CP	283011			24		F	
		R 528 H.4/4.2		E519/30	NN			1 0			
58 3 F	E-IR-73+	MSLC-RLY-CR/5B1	A500	RK225052-CP	283015	2 1	0 0	24	02	F N	
		R 528 H.4/4.2		E519/30	AD			1 0			
58 3 F	E-IR-73+	MSLC-RLY-CR/5B2	A500	RK225052-CP	283011			24		F	
		R 528 H.4/4.2		E519/30	NN			1 0			
58 3 F	E-IR-73+	MSLC-RLY-CR/5C1	A500	RK223067-EP	283015	2 1	0 0	24	02	F N	
		R 528 H.4/4.2		E519/30	AD			1 0			
58 3 F	E-IR-73+	MSLC-RLY-CR/5C2	A500	RK225052-CP	283011			24		F	
		R 528 H.4/4.2		E519/30	NN			1 0			
58 3 F	E-IR-73+	MSLC-RLY-CR/5D1	A500	RK223067-EP	283015	2 1	0 0	24	02	F N	
		R 528 H.4/4.2		E519/30	AD			1 0			
58 3 F	E-IR-73+	MSLC-RLY-CR/5D2	A500	RK225052-CP	283011			24		F	
		R 528 H.4/4.2		E519/30	NN			1 0			

Moore Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	NFB	NFB MODEL NO.	QID	TEST	ANL	F70	C	FREQ	TH	HL
EC	SAFETY FUNCTION	PLANT LOCATION	ROOM	AS	AGING	DHE	C	HOURS	ACCURACY			
	EQUIPMENT DESCRIPTION	DRAWING								USE		
58 3	E-IR-73+	MSLC-RLY-CR/6A1	A500	RK223067-EP	AD	283015	2 1	0 0		02	F	N
	MSL PRESSURE INTERLK (150 SEC TD)	E519/30	R 528 H.4/4.2					24	1 0			
58 3	E-IR-73+	MSLC-RLY-CR/6A2	A500	RK225052-CP	NN	283011				24		F
	MSL PRESSURE INTERLK (150 SEC TD)	E519/30	R 528 H.4/4.2						1 0			
58 3	E-IR-73+	MSLC-RLY-CR/6B1	A500	RK223067-EP	AD	283015	2 1	0 0		02	F	N
	MSL PRESSURE INTERLK (150 SEC TD)	E519/30	R 528 H.4/4.2					24	1 0			
58 3	E-IR-73+	MSLC-RLY-CR/6B2	A500	RK225052-CP	NN	283011				24		F
	MSL PRESSURE INTERLK (150 SEC TD)	E519/30	R 528 H.4/4.2						1 0			
58 3	E-IR-73+	MSLC-RLY-CR/6C1	A500	RK223067-EP	AD	283015	2 1	0 0		02	F	N
	MSL PRESSURE INTERLK (150 SEC TD)	E519/30	R 528 H.4/4.2					24	1 0			
58 3	E-IR-73+	MSLC-RLY-CR/6C2	A500	RK225052-CP	NN	283011				24		F
	MSL PRESSURE INTERLK (150 SEC TD)	E519/30	R 528 H.4/4.2						1 0			
58 3	E-IR-73+	MSLC-RLY-CR/6D1	A500	RK223067-EP	AD	283015	2 1	0 0		02	F	N
	MSL PRESSURE INTERLK (150 SEC TD)	E519/30	R 528 H.4/4.2					24	1 0			
58 3	E-IR-73+	MSLC-RLY-CR/6D2	A500	RK225052-CP	NN	283011				24		F
	MSL PRESSURE INTERLK (150 SEC TD)	E519/30	R 528 H.4/4.2						1 0			
58 3	E-IR-73+	MSLC-RLY-CR/8	A500	RK223067-EP	AD	283015	2 1	0 0		02	F	N
	CONTROL SWITCH INTERLK	E519/30	R 528 H.4/4.2					24	1 0			
58 3	E-IR-73+	MSLC-RLY-CR/9	A500	RK223067-EP	AD	283015	2 1	0 0		02	F	N
	CONTROL SWITCH INTERLK	E519/30	R 528 H.4/4.2					24	1 0			
58 3	E-IR-74+	MSLC-RLY-TK/2	A109	7012AE	AA	283013	2 1	0 0		40		N
	TIME DELAY PICKUP RELAY (60 SEC)	E519/31	R 527 H.4/7.1					24	1 0			
58 3	E-IR-73+	MSLC-RLY-TK/2A	A109	7012AE	AA	283013	2 1	0 0		40		N
	TIME DELAY PICKUP RELAY (60 SEC)	E519/30	R 528 H.4/4.2					24	1 0			

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MPG. PLANT LOCATION	MPG. MODEL NO. ROOM	QID ASIAN	TEST HBF	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
EC				DRAWING						USE		
58 3 F	E-IR-73+	MSLC-RLY-TK/2B	A109	7012AE	283013	2 1	0 0	24		40		N
		TIME DELAY PICKUP RELAY (60 SEC)	R 528 H-4/4.2	E519/30	AA					1 0		
58 3 F	E-IR-73+	MSLC-RLY-TK/2C	A109	7012AE	283013	2 1	0 0	24		40		N
		TIME DELAY PICKUP RELAY (60 SEC)	R 528 H-4/4.2	E519/30	AA					1 0		
58 3 F	E-IR-73+	MSLC-RLY-TK/2D	A109	7012AE	283013	2 1	0 0	24		40		N
		TIME DELAY PICKUP RELAY (60 SEC)	R 528 H-4/4.2	E519/30	AA					1 0		
58 3 F	E-IR-73+	MSLC-RLY-TK/3A	A109	7012AE	283013	2 1	0 0	24		40	F	N
		TIME DELAY PICKUP RELAY (120 SEC)	R 528 H-4/4.2	E519/30	AA					1 0		
58 3 F	E-IR-73+	MSLC-RLY-TK/3B	A109	7012AE	283013	2 1	0 0	24		40	F	N
		TIME DELAY PICKUP RELAY (120 SEC)	R 528 H-4/4.2	E519/30	AA					1 0		
58 3 F	E-IR-73+	MSLC-RLY-TK/3C	A109	7012AE	283013	2 1	0 0	24		40	F	N
		TIME DELAY PICKUP RELAY (120 SEC)	R 528 H-4/4.2	E519/30	AA					1 0		
58 3 F	E-IR-73+	MSLC-RLY-TK/3D	A109	7012AE	283013	2 1	0 0	24		40		N
		TIME DELAY PICKUP RELAY (120 SEC)	R 528 H-4/4.2	E519/30	AA					1 0		
58 3 F	E-IR-73+	MSLC-RLY-TK/4A	A109	7012AE	283013	2 1	0 0	24		40	F	N
		TIME DELAY PICKUP RELAY (150 SEC)	R 528 H-4/4.2	E519/30	AA					1 0		
58 3 F	E-IR-73+	MSLC-RLY-TK/4B	A109	7012AE	283013	2 1	0 0	24		40	F	N
		TIME DELAY PICKUP RELAY (150 SEC)	R 528 H-4/4.2	E519/30	AA					1 0		
58 3 F	E-IR-73+	MSLC-RLY-TK/4C	A109	7012AE	283013	2 1	0 0	24		40	F	N
		TIME DELAY PICKUP RELAY (150 SEC)	R 528 H-4/4.2	E519/30	AA					1 0		
58 3 F	E-IR-73+	MSLC-RLY-TK/4D	A109	7012AE	283013	2 1	0 0	24		40	F	N
		TIME DELAY PICKUP RELAY (150 SEC)	R 528 H-4/4.2	E519/30	AA					1 0		
215 3 F	MSLC-H-A+	MSLC-TE-10A	H329	TC-2370-C-A-250-1T	339003			24				
		LOOP "A" TO MANIFOLD	R 377 H-4/5.7	M557	R206	XD				1 0		

Morgan Building Form, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION	MFG. PLANT	MFG. MODEL NO. LOCATION	ROOM	QID	TEST	ANL	P/O	C	FREQ	TH	HL
		EQUIPMENT DESCRIPTION	DRAWING				AGINE	DBE	C	HOURS	ACCURACY	USE	
215		MSLC-H-B+	MSLC-TE-10B	H329	TC-2370-C-A-250-1T								
3	F	LOOP "B" TO MANIFOLD	R 474 H49/947	H557	E7	R206	XD			24		1	0
215		MSLC-H-C+	MSLC-TE-10C	H329	TC-2370-C-A-250-1T								
3	F	LOOP "C" TO MANIFOLD	R 477 H49/948	H547	E8	R206	XD			24		1	0
215		MSLC-H-D+	MSLC-TE-10D	H329	TC-2370-C-A-250-1T								
3	F	LOOP "D" TO MANIFOLD	R 474 H49/948	H557	E8	R206	XD			24		1	0
220		PI-SV-250	T020	1021010-1-B-1-S									
2	B1		R 537 H48/643	H543	F13		BH			4320		1	0
220		PI-SV-251	T020	1021010-1-B-1-S									
2	B1		R 537 H48/643	H543	F13		BH			4320		1	0
220		PI-SV-253	T020	1021010-1-B-1-S									
2	B1		R 536 H48/643	H543	F13		BH			4320		1	0
220		PI-SV-256	T020	1021010-1-B-1-S									
2	B1		R 536 H5074.1	H543	F07		BH			4320		1	0
220		PI-SV-257	T020	1021010-1-B-1-S									
2	B1		R 536 K15	H543	F07		BH			4320		1	0
220		PI-SV-259	T020	1021010-1-B-1-S									
2	B1		R 536 K15	H543	F07		BH			4320		1	0
220		PI-SV-262	T020	1021010-1-B-1-S									
2	I		R 536	H543	E13		BH			4320		2	0
220		PI-SV-263	T020	1021010-1-B-1-S									
2	I		R 536	H543	E13		BH			4320		2	0
220		PI-SV-264	T020	1021010-1-B-1-S									
2	I		R 536	H543	E13		BH			4320		2	0

McGraw-Hill Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	PLANT LOCATION	NFB NO. DRAWING	NFB MODEL NO. ROOM	QID AGING	TEST DRE	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH HL
220 2 I		PI-SV-265	T020	1021010-1-B-1-S		324002						
		R 479		M543 E13					4320		2 0	
220 2 I		PI-SV-266	T020	1021010-1-B-1-S		324002						
		R 536		M543 E07					4320		2 0	
220 2 I		PI-SV-267	T020	1021010-1-B-1-S		324002						
		R 536		M543 E07					4320		2 0	
220 2 I		PI-SV-268	T020	1021010-1-B-1-S		324002						
		R 536		M543 E07					4320		2 0	
220 2 I		PI-SV-269	T020	1021010-1-B-1-S		324002						
		R 536		M543 E06					4320		2 0	
215 2 B1	RCC-V-104	RCC-MO-104										
		MOTOR OPERATOR FOR RCC-V-104		M525	E11				.017		1 0	
41A 2 F	RCC-V-129	RCC-MO-129										
		MOTOR OPERATOR		M525	E5				.017		1 0	
41A 2 F	RCC-V-130	RCC-MO-130										
		MOTOR OPERATOR		M525	E6				.017		1 0	
41A 2 F	RCC-V-131	RCC-MO-131										
		MOTOR OPERATOR		M525	E6				.017		1 0	
41A 2 B1	RCC-V-21	RCC-MO-21	L200	SNB-0-15/M56		221011		1 4	0 0		35	Y
		1HP 2.8A MOTOR OPERATOR RCC-V-21	R 515 K.7/4.1	M525	D10				.017		1 0	
41A 2 B1	RCC-V-40	RCC-MO-40	L200	SNB-0-15/M56		221011		1 4	0 0		35	Y
		0.7HP 2.3A MOTOR OPERATOR RCC-V-40	C 517 78 D AZ	M525	D11				.017		1 0	
41A 2 B1	RCC-V-5	RCC-MO-5	L200	SNB-0-15/M56		221011		1 4	0 0		35	Y
		1HP 2.8A MOTOR OPERATOR RCC-V-5	R 515 K.8/4.1	M525	E10				.017		1 0	

Power Systems Form, Inc. 57

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFOL PLANT LOCATION	MFOL MODEL NO. ROOM	QID QID	TEST TEST	ANL C	P/O HOURS	C C	FREQ ACCURACY	TH TH	HL HL
69	RCIC-V-65	RCIC-LMS-65	H007	2A1133								
3	B1,C	LIMIT SWITCH RCIC-V-65	R 368 H26/514	M519 H6				24		2 1		
3	B1,C	RCIC-V-66+	RCIC-LMS-66	C 606 150. D AZ	M519 J4			24		2 1		
41A	RCIC-V-13+	RCIC-MO-13	L200	SMB-D-40/D2020	221011	1 4	0 0			35		N
2	B1,C	2.9HP MOTOR OPERATOR RCIC-V-13	R 392 H6/7/0	M519 H7				24		2 1		
41A	RCIC-V-31+	RCIC-MO-31	L200	SMB-00-19/H56	221011	1 4	0 0			35		Y
2	B1,C	1HP 9.6A MOTOR OPERATOR RCIC-V-31	R 450 H-8/7/0	M519 D7				24		2 1		
41A	RCIC-V-59+	RCIC-MO-59	L200	SMB-0-40/D2020	221011	1 4	0 0			35		N
2	B2,C	2.9HP MOTOR OPERATOR RCIC-V-59	R 446 H7/0.0	M519 J8				24		2 1		
41A	RCIC-V-63+	RCIC-MO-63	L200	SMB-2-60/D21BR2	221009	1 4	0 0			35		N
2	B1,C	7HP 10.7A MOTOR OPER. RCIC-V-63	C 395 131.0 AZ	M519 H5				24		2 1		
41A	RCIC-V-64+	RCIC-MO-64	L200	SMB-2-80/DS224H	221009	1 4	0 0			35		Y
2	B1,C	5.8HP 20A MOTOR OPER. RCIC-V-64	R 556 4.6/L29	M519 G6				24		2 1		
41A	RCIC-V-68+	RCIC-MO-68	L200	SMB-015/D1S6F	221011	1 4	0 0			35		N
2	B1,C	1.08HP MOTOR OPERATOR RCIC-V-68	R 474 J.1/7.5	M519 E7				24		2 1		
215	RCIC-V-69+	RCIC-MO-69	L200	SMB-000-5	221016							
2	B1,C	2.0HP MOTOR OPERATOR RCIC-V-69	R 466 H6/266	M519 E7				24		2 1		
215	RCIC-V-76+	RCIC-MO-76	L200	SMB-000-5	221016							
2	B1,C	.33HP/1.9-.95A M O FOR RCIC-V-76	C 556 120 DEC	M519 H6				24		2 1		
41A	RCIC-V-8+	RCIC-MO-8	L200	SMB-00-7-5/D56C	221011	1 4	0 0			35		N
2	B1,C	.54HP/3.5A MOTOR OPER FOR RCIC-V-8	R 515 J.0/5.0	M519 F6				24		2 1		
215	RCIC-V-110+	RCIC-MO-80	L200	SMB-000-5	221016							
2	B1,C	MOTOR OPER FOR RCIC-V-110	R 474 J.2/7.2	M519 E7				24		2 1		

Address Bureau Form, Inc. 57

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	AFG. PLANT LOCATION	AFG. MODEL NO. ROOM	BID. AGING	TEST. DRE	ANL. C.	F/O. HOURS	FREQ. ACCURACY	TM HL
215 2	B1,C	RCIC-V-113+ MOTOR OPER FOR RCIC-V-113	L200	SHB-000-5 R 474 J.2/7.2	M519	ET		24		2 1
58 2	B1,C	E-IR-67+ REACTOR HEAD SPRAY IR -67-	A499	WJHT831654 R 556 5.8/7.8	M519	H6		24		2 1
58 2	B1,C	E-IR-71+ RCIC TO REACTOR ISOLATION VALVE IR	A499	WJHT831654 R 528 J.0/6.9	M519	H6		24		2 1
68-00 3	B2,F	REA-V-1+ LIMIT SWITCH ON REA-V-1	N007	740B100 R 593 H.5/6.0	M545	J3		4320		1 3
68-00 3	B2,F	REA-V-2+ LIMIT SWITCH ON REA-V-2	N007	740B0100 R 593 H.5/6.2	M545	J3		4320		1 3
92B 2	F	REA-RE-19 RE FOR ELEVATED DISCH BETA SCINT			M544	F1				4 3
59 2	B2,F	E-IR-71+ CONTROL RELAY FOR ISOLATION VALVES	A500	RK225052-CP R 527 J.0/6.9	E519-12			4320		4 3
59 2	B2,F	E-IR-68+ CONTROL RELAY FOR ISOLATION VALVES	A500	RK225-052-CP R 554 H.7/8.2	E519-12			4320		4 3
58 2	B,F	E-IR-71+ REACTOR BLDG. NORMALEXHAUST ISOLAT	A499	WJHT831654 R 530 J/6.9	M545	K3				1 3
58 2	B,F	E-IR-68+ REACTOR BLDG. NORMALEXHAUST ISOLAT	A499	WJHT831654 R 552 H.7/8.6	M545	K3				1 3
41A 2	G	RFW-V-65A+ 32.4HP MOTOR OPERATOR RFW-V-65A	L200	SHB-4-250/326UR4 R 505 H4/5.7	M529	613	AB	4320	29	2 3 Y
41A 2	G	RFW-V-65B+ 32.4HP MOTOR OPERATOR RFW-V-65B	L200	SHB-4-250/326UR4 R 505 H4/6.3	M529	64	AB	4320	29	2 3 Y

Murray Business Forms, Inc. 17

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION	EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID	TEST	AHL	F/O	C	FREQ	TH	HL
58 2	B1	E-IR-62+ RFM-SPV-32A1	SOLENOID PILOT FOR RFM-V-32A IR-62	A499 R 471 H.4/6.8	MJHT831654 M529 612	R206	AM	315004	2 1	0.0	4320	33+	N
58 2	B1	E-IR-62+ RFM-SPV-32A2	SOLENOID PILOT FOR RFM-V-32A IR-62	A499 R 471 H.4/6.8	MJHT831654 M529 612	R206	AM	315004	2 1	0.0	4320	33+	N
58 2	B1	E-IR-62+ RFM-SPV-32B1	SOLENOID PILOT FOR RFM-V-32B IR-62	A499 R 471 H.4/6.8	MJHT831654 M529 65	R206	AM	315004	2 1	0.0	4320	33+	N
58 2	B1	E-IR-62+ RFM-SPV-32B2	SOLENOID PILOT FOR RFM-V-32B IR-62	A499 R 471 H.4/6.8	MJHT831654 M529 65	R206	AM	315004	2 1	0.0	4320	33+	N
02 2	6	RHR-CE-1A	CONDUCTIVITY ELEMENT FOR RHR-HX-1A	R 540 J.9/8.5	M521 H13						4320	2 0	
02 2	6	RHR-CE-1B	RHR CONDUCTIVITY		M521 H4						4320	2 0	
02E12 2	6	E-IR-H22/P018+ RHR-DPIS-12A	SD COOLING SUCTION FLOW H22-P018	B080 R 501 J.6/3.6	MODEL 28A M530 612	R305	AB	086001	1 4	0.0	4320	33+	N
02E12 2	6	E-IR-H22/P021+ RHR-DPIS-12B	SD COOLING SUCTION FLOW H22-P021	B080 R 501 H8/9.3	MODEL 28B M521 F7	R305	AB	086001	1 4	0.0	4320	33+	N
02E12 2	6	E-IR-P018+ RHR-DPIS-29A	RHR DIF PRESS LOOP A RET TO PRV	B080 R 501 J.6/3.6	28A M521 H10	R512	AB	086001	1 4	0.0	4320	33+	N
02E12 2	6	E-IR-P021+ RHR-DPIS-29B	RHR DIF PRESS LOOP B RET TO PRV	B080 R 501 H.8/7.3	28B M521 H8	R305	AB	086001	1 4	0.0	4320	33+	N
02E12 2	C,E	RHR-DPIS-9A	RHR DIF PRESS LOOP A RET TO PRV	B080 R 522 H8/5.8	288A M521 H11	R408	BB	086001	1 4	0.0	4320	33	N
02E12 2	C,E	RHR-DPIS-9B	RHR DIF PRESS LOOP B RET TO PRV	B080 R 522 H8/6.2	288A M521 H7	R408	BB	086001	1 4	0.0	4320	33	N

Meters Equipment Form, Inc. 1V

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	QTY	TEST AGEING	ANL. C	F70 HOURS	C USE	FREQ ACCURACY	TH	HL
02E12 2 C,E	RHR-DPIS-9C	RHR-DPIS-9C	B080	288A	086001	1 4	0 0	4320	33			N
	RHR DIF PRESS LOOP A RETURN TO PRV	R 522 H8/6.2	M521	F11					2 0			
02E12 3 C,E,I	E-IR-P018+	RHR-FIS-10A	B080	289A	140001			4320	1 3			
	SHUTDOWN COOLING LOOP A FLOW	R 501 J773.6	M521	H12								
02E12 3 C,E,I	E-IR-P021+	RHR-FIS-10B	B080	289A	140001			4320	1 3			
	SHUTDOWN COOLING LOOP B FLOW	R 501 H577.9	M521	H4								
02E12 3 C,E,I	E-IR-P021+	RHR-FIS-10C	B080	289A	140001			4320	1 0			
	LOOP C FLOW TO VESSEL	R 501 J773.6	M521	C7								
02 3 6	E-IR-P021+	RHR-FT-13	6080	111BMAAAULF	156003			4320	2 3			H
	FLOW TRANSMIT TO REACTOR HD SPRAY	R 553 5.4/M.7	M521	H6								
02 3 I	E-IR-P018+	RHR-FT-15A	6080	111BMAAAULF	156003	1 4	0 0	4320	33			N
	FLOW TRANSMIT TO COOLING LOOP A	R 501 J.6/3.6	M521	H13					1 3			
02 3 I	E-IR-P021+	RHR-FT-15B	6080	111BMAAAULF	156003			4320	1 3			
	FLOW TRANSMIT TO COOLING LOOP B	R 501 H879.3	M521	H5								
02 3 I	E-IR-P021+	RHR-FT-15C	6082	111BMAAAUCF	156003			4320	1 0			
	FLOW TRANSMITTER TO LOOP C	R 501 H.8/7.3	M521	D7								
02E12 3 C,E	RHR-V-111A+	RHR-LMS-111A	N007	1703100	200005			4320	2 0			
	LIMIT SWITCH ON RHR-V-111A	C 563 20 D AZ	M521	69								
3 C,E	RHR-V-111B+	RHR-LMS-111B	N007	1703100	200005			4320	2 0			
	LIMIT SWITCH FOR RHR-V-111B	C 563 158 D AZ	M521	68								
3 C,E	RHR-V-111C+	RHR-LMS-111C	N007	1703100	200005			4320	2 0			
	LIMIT SWITCH FOR RHR-V-111C	C 563 325 D AZ	M521	69								
3 C,E	RHR-V-112A+	RHR-LMS-112A	N007	1703100	200013			4320	2 3			
	LIMIT SWITCH FOR RHR-V-112A	C 512 79 0 AZ	M521	69								

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	GIO	TEST	AHL	F70	C	FREQ	TH	HL
EC			PLANT LOCATION	ROOM	WS	AGING	USE	HOURS		ACCURACY		
				DRAWING								USE
3	C,E	RHR-V-112B+ LIMIT SWITCH FOR RHR-V-112B	RHR-LMS-112B	N007 1703100 C 512 265 D AZ R20 M521 08				4320		2 3		
3	C,E	RHR-V-113+ LIMIT SWITCH FOR RHR-V-113	RHR-LMS-113	N007 1703100 C 512 165 D AZ R22 M521 09				4320		2 3		
3	C,E	RHR-V-41A+ LIMIT SWITCH FOR RHR-V-41A	RHR-LMS-41A	N007 1703100 C 563 20 D AZ R19 M521 08		280009		4320		2 0		
3	C,E	RHR-V-41B+ LIMIT SWITCH FOR RHR-V-41B	RHR-LMS-41B	N007 1703100 C 563 58 D AZ R19 M521 08				4320		2 0		
3	C,E	RHR-V-41C+ LIMIT SWITCH FOR RHR-V-41C	RHR-LMS-41C	N007 1703100 C 563 360 D AZ R20 M521 08				4320		2 0		
3	C,E	RHR-V-50A+ LIMIT SWITCH FOR RHR-V-50A	RHR-LMS-50A	N007 1703100 C 512 100 D AZ R25 M521 08				4320		2 3		
3	C,F	RHR-V-50B+ LIMIT SWITCH FOR RHR-V-50B	RHR-LMS-50B	N007 1703100 C 508 270 D AZ R27 M521 08				4320		2 3		
3	C,E	RHR-V-89+ LIMIT SWITCH FOR RHR-V-89	RHR-LMS-89	N007 1703100 R 553 N.0/7.9 M521 06				4320		2 0		
215 3	B	RHR-LS-10A RHR DRAIN POT LOOP A - -	RHR-LS-10A	M040 751-SPX-M14 R 474 N.0/7.9 M521 D4		207011		4320		2 1		
215 3	B	RHR-LS-10B RHR DRAIN POT LOOP A - -	RHR-LS-10B	M040 751-SPX-M14 R 474 N.0/7.9 M521 D4		207011		4320		2 1		
215 3	B	RHR-LS-10C RCIC STM COND MODE DRIP LEG	RHR-LS-10C	M040 751-SPX-M14 R 474 N.0/7.9 M521 D4		207011	B	4320		2 1		
215 3	B	RHR-LS-10D RCIC STM COND MODE DRIP LEG	RHR-LS-10D	M040 751-SPX-M14 R 474 N.0/7.9 M521 D4		207011	B	4320		2 1		

Morrison Knudsen Corp., Inc. 87

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID AGING	TEST DRF	ANL C	F/O HOURS	FREQ ACCURACY	TH HL
215 3	G	RHR-LS-11A RHR DRAIN POT LOOP B	M040 R 474 K.0/8.0	751-SPX-M14 M521 D14	207011 B			4320	2 1	
215 3	G	RHR-LS-11B RHR DRAIN POT LOOP B	M040 R 474 K.0/8.0	751-SPX-M14 M521 D14	207011 B			4320	2 1	
215 3	G	RHR-LS-11C RHR DRAIN POT LOOP B	M040 R 474 K.0/8.0	751-SPX-M14 M521 D13	207011 B			4320	2 1	
215 3	G	RHR-LS-11D RHR DRAIN POT LOOP B	M040 R 474 K.0/8.0	751-SPX-M14 M521 D13	207011 B			4320	2 1	
02 2	C,E	RHR-LT-8A LEVEL TRANSMITTER TO HX-A	B080 R 548 J.0/8.6	352/358 M521 H14	209001 TD	2 1	0.0	4320	00	N
02 2	C,E	RHR-HX-1B LEVEL TRANSMITTER TO HX-B	B080 R 548	352/358 M521 H4	209001 TD	2 1	0.0	4320	00	N
02E12 2	C,E	RHR-P-2A 800HP/105A MOTOR FOR RHR-P-2A	B080 R 422 R/8.6	5K6339XC122A/P236 M521 B12	213032 R8 BM		0.1	4320	1 3	Y
02E12 2	C,E	RHR-P-2B 800HP/105A MOTOR FOR RHR-P-2B	B080 R 422 M/8.6	5K6339XC122A/P236 M521 B6	213032 R7 BM		0.1	4320	1 3	Y
02E12 2	C,E	RHR-P-2C 800HP/105A MOTOR FOR RHR-P-2C	B082 R 424 H.7/4.6	5K6339XC122A M521 B9	213032 R14 BM		0.1	4320	1 0	Y
35A 2	C,E	RHR-P-3 15HP/18.5A MOTOR FOR RHR-P-3	W120 R 429 H.4/4.8	750407A6 M521 B9	213016 R14 DB			4320	2 3	
41A 2	B1,C,E	RHR-V-11A .33HP .95A MOTOR OPER. RHR-V-11A	L200 R 475 K.2/8.1	SMB-000-5/K48 M521 F12	221008 R213 AB	1 4	0.0	4320	35	Y
41A 2	B1,C,E	RHR-V-11B .33HP MOTOR OPERATOR RHR-V-11B	L200 R 475 L.8/8.1	SMB-000-5/K48 M521 E7	221008 R213 AB	1 4	0.0	4320	35	Y

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	REF. PLANT LOCATION	REF. MODEL NO. ROOM	QTY	TEST AGEING	ANL. C	F75 HOURS	C FREQ ACCURACY	TH	HL
215	RHR-V-124A+	RHR-MO-124A	L200	SNC-04-5/42	221010	1 4	0 0		33		H
2	C,E	1HP MOTOR OPERATOR RHR-V-124A	R 473 K.3/8.1	M521 D14	R213	NA		4320	2 1		
215	RHR-V-124B+	RHR-MO-124B	L200	SNC-04-5/42	221010	1 4	0 0		33		H
2	C,E	5.3HP/16.8-8.4A MO FOR RHR-V-124B	R 473 K.9/8.1	M521 D14	R213	NA		4320	2 1		
215	RHR-V-125A+	RHR-MO-125A	L200	SNC-04/42	221016						
2	C,E	.33HP MOTOR OPERATOR RHR-V-125A	R 473 L.5/8.0	M521 D4	R214	NA		4320	2 1		
215	RHR-V-125B+	RHR-MO-125B	L200	SNC-04/42	221016	1 4	0 0		33		H
2	C,E	.33 HP MOTOR OPERATOR RHR-V-125B	R 473 L.4/8.0	M521 D4	R214	NA		4320	2 1		
215	RHR-V-134A+	RHR-MO-134A	L200		221016						
2	D	MOTOR OPERATOR RHR-V-134A	R 548 9.0/K.1	M521 G15	R504	XA		4320	1 0		
215	RHR-V-134B+	RHR-MO-134B	L200		221016						
2	D	MOTOR OPERATOR RHR-V-134B	R 548 1.5/9.2	M521 F2	R506	XA		4320	1 0		
41A	RHR-V-16A+	RHR-MO-16A	L200	SMB-2-80/C215Y	221006	1 4	0 0		33		H
2	B1,C,E	10.6HP 13.8A MOTOR OPER. RHR-V-16A	R 956 4.4/L.0	M521 H11	R510	NA		24	1 0		
41A	RHR-V-16B+	RHR-MO-16B	L200	SMB-2-80/C215Y	221016	1 4	0 0		33		H
2	B1,C,E	10.6HP 13.8A MOTOR OPER. RHR-V-16B	R 516 K.7/8.1	M521 F6	R305	NA		24	1 0		
41A	RHR-V-17A+	RHR-MO-17A	L200	SMB-2-80/C215Y	221006	1 4	0 0		33		H
2	B1,C,E	10.6HP 13.8A MOTOR OPER. RHR-V-17A	R 956 4.4/L.0	M521 H10	R510	NA		24	1 0		
41A	RHR-V-17B+	RHR-MO-17B	L200	SMB-2-80/C215Y	221016	1 4	0 0		33		H
2	B1,C,E	10.6HP 13.8A MOTOR OPER. RHR-V-17B	R 516 K.5/8.0	M521 F6	R310	NA		24	1 0		
41B	RHR-V-21+	RHR-MO-21	L200	SMB-3-80/213R3	221009	1 4	0 0		35		Y
2	B1,C,E	5.3HP 8.4A MOTOR OPER. RHR-V-21	R 453 5.2/H.4	M521 E11	R113	AB		4320	1 0		
41B	RHR-V-23+	RHR-MO-23	L200	SMB-0-15/056F	221011	1 4	0 0		35		H
2	B1,C,E	1.08HP 4.7A MOTOR OPER. RHR-V-23	R 992 5.4/H.6	M521 J7	R511	AA		4320	1 3		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG PLANT LOCATION	MFG MODEL NO. ROOM	Q10 AS	TEST AGING	ANL DEF	F/O HOURS	C ACCURACY	FREQ TH	HE
EC	EQUIPMENT DESCRIPTION		DRAWING		USE						
41B 2	RHR-V-24A+ B1,C,E	RHR-MO-24A	L200 R 476 K.0/8.1	SMB-1-80/213R3 M521 E15	221009	1 4	0 0	4320	35	1 0	Y
5.3HP 8.3A MOTOR OPER. RHR-V-24A											
41B 2	RHR-V-24B+ B1,C,E	RHR-MO-24B	L200 R 476 M.2/8.1	SMB-3-80/213R3 M521 E6	221009	1 4	0 0	4320	35	1 0	Y
5.3HP MOTOR OPERATOR RHR-V-24B											
41A 2	RHR-V-26A+ C,E	RHR-MO-26A	L200 R 476 K.5/8.1	SMB-000-5/K48 M521 G13	221008	1 4	0 0	4320	35	1 1	Y
0.333HP MOTOR OPERATOR RHR-V-26A											
41A 2	RHR-V-26B+ C,E	RHR-MO-26B	L200 R 474 L.2/8.1	SMB-000-5/K48 M521 F4	221008	1 4	0 0	4320	35	1 1	Y
0.333HP MOTOR OPERATOR RHR-V-26B											
41A 2	RHR-V-27A+ B1,C,E	RHR-MO-27A	L200 R 495 K.3/4.1	SMB-00-7.5/L56 M521 F11	221011	1 4	0 0	24	35	1 0	Y
0.5HP MOTOR OPERATOR RHR-V-27A											
41A 2	RHR-V-27B+ B1,C,E	RHR-MO-27B	L200 R 495 K.3/4.1	SMB-00-7.5/L56 M521 E7	221011	1 4	0 0	24	35	1 0	Y
0.5HP MOTOR OPERATOR RHR-V-27B											
41A 2	RHR-V-3A+ C,E	RHR-MO-3A	L200 R 562 S.3/J.9	SMB-1-40/T56 M521 J13	221007	1 4	0 0	4320	35	1 3	Y
2.66HP MOTOR OPERATOR RHR-V-3A											
41A 2	RHR-V-3B+ C,E	RHR-MO-3B	L200 R 560 S.4/M.2	SMB-1-40/T56 M521 J4	221007	1 4	0 0	4320	35	1 3	N
2.66HP MOTOR OPERATOR RHR-V-3B											
41A 2	RHR-V-4A+ C,E	RHR-MO-4A	L120 R 460 K.0/8.3	379507M M521 E11	221011	1 4	0 0	4320	35	1 0	Y
2.66HP MOTOR OPERATOR RHR-V-4A											
41A 2	RHR-V-4B+ C,E	RHR-MO-4B	L200 R 450 L.2/8.3	SMB-0-40/T56 M521 D6	221016	1 4	0 0	4320	35	1 0	N
2.66HP MOTOR OPERATOR RHR-V-4B											
41A 2	RHR-V-4C+ C,E	RHR-MO-4C	L200 R 450 J.6/T.3	SMB-0-40/T56 M521 D11	221011	1 4	0 0	4320	35	1 0	Y
2.66HP MOTOR OPERATOR RHR-V-4C											
41B 2	RHR-V-40+ B2	RHR-MO-40	L200 R 553 S.4/M.6	SMB-000-2/D56AA M521 G4	221011	1 4	0 0	4320	35	2 0	N
.3HP 1.9A MOTOR OPER. RHR-V-40											

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QTY	QTY	TEST AGEING	ANL C	F/Y HOURS	C ACCURACY	FREQ TH	HL
41A 2	RHR-V-42A+ B1,C,E	RHR-MO-42A 19.5HP/25.2A MTR OP FOR RHR-V-42A	L200 R 528 J.0/6.0	SMB-3-150/256UR3 R405 AB	221006	1	4	0.0	4320	35	Y	
41A 2	RHR-V-42B+ B1,C,E	RHR-MO-42B 19.5HP.25.2A MOTOR OPER. RHR-V-42B	L200 R 528 N.0/5.0	SMB-3-150/256UR3 R405 AB	221006	1	4	0.0	4320	35	P	Y
41A 2	RHR-V-42C+ B1,C,E	RHR-MO-42C 19.5HP 25.2A MOTOR OPER. RHR-V-42C	L200 R 528 J.0/6.0	SMB-3-150/256UR3 R405 AB	221006	1	4	0.0	4320	35	Y	
41A 2	RHR-V-47A+ C,E	RHR-MO-47A 2.6HP/11.5-5.75A MO FOR RHR-V-47A	L200 R 582 M.3/8.4	SMB-1-40/TS56 R606 AB	221007	1	4	0.0	4320	33	N	
41A 2	RHR-V-47B+ C,E	RHR-MO-47B 2.6HP/11.5-5.75A MO FOR RHR-V-47B	L200 R 526 N.1/9.4	SMB-1-40/TS56 R605 AB	221007	1	4	0.0	4320	33	N	
41B 2	RHR-V-48A+ C,E	RHR-MO-48A 5.3HP/8.4A MOTOR OPER. RHR-V-48A	L200 R 555 B.6/9.2	SMB-3-80/215R3 R607 AB	221009	1	4	0.0	4320	35	N	
41B 2	RHR-V-48B+ C,E	RHR-MO-48B 5.3HP 8.4A MOTOR OPER. RHR-V-48B	L200 R 555 B.4/N.0	SMB-3-80/215R3 R609 AB	221009	1	4	0.0	4320	35	N	
41A 2	RHR-V-49+ B2	RHR-MO-49 0.333HP MOTOR OPERATOR RHR-V-49	L200 R 553 B.4/N.7	SMB-000-8/K4B R505 AB	221011	1	4	0.0	4320	35	N	
42A 2	RHR-V-52A+ C,E	RHR-MO-52A 5.2HP MOTOR OPERATOR RHR-V-52A	L200 R 578 H.6/9.2	SMB-00-10/L56 R608 AB	221011	1	4	0.0	4320	35	N	
42A 2	RHR-V-52B+ C,E	RHR-MO-52B 5.2HP MOTOR OPERATOR RHR-V-52B	L200 R 578 N.1/8.6	SMB-00-10/L56 R605 AB	221011	1	4	0.0	4320	35	N	
41B 2	RHR-V-53A+ C,E,B1	RHR-MO-53A 8.2HP MOTOR OPERATOR RHR-V-53A	L200 R 515 K.9/4.1	SMB-2-60/215RZ R312 AB	221009	1	4	0.0	4320	35	Y	
41B 2	RHR-V-53B+ C,E,B1	RHR-MO-53B 7.9HP 10A MOTOR OPER. RHR-V-53B	L200 R 515 L.2/8.0	SMB-2-60/215RZ R316 AB	221009	1	4	0.0	4320	35	Y	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	DWG DRAWING	DID Q5	TEST DEF	ANL C	F/O HOURS	C USE	FREQ ACCURACY	TH HL
41A 2	RHR-V-6A+ C+E	RHR-MO-6A	L200 R 430 K.8/8.5	SMB-0-25/R56 R6	M521 C6	221011	1 4	0.0	4320	1 3	35	N
		2.66HP MOTOR OPERATOR RHR-V-6A										
41A 2	RHR-V-6B+ C+E	RHR-MO-6B	L200 R 430 L.8/8.5	SMB-0-25/R56 R7	M521 C6	221011	1 4	0.0	4320	1 3	35	N
		2.66HP MOTOR OPERATOR RHR-V-6B										
215 2	RHR-V-64A+ B1,D,C+E	RHR-MO-64A	L120 R 446 K.0/9.3	SMB-000-5/748 R11	M521 C12	221011	1 4	0.0	4320	1 3	35	N
		2.66HP MOTOR OPERATOR RHR-FCV-64A										
215 2	RHR-V-64B+ B1,D,C+E	RHR-MO-64B	L200 R 445 M/9.0	SMB-000-5/748 R11B	M521 C5	221016			4320	1 3		
		MOTOR OPERATOR RHR-FCV-64B										
215 2	RHR-V-64C+ B1,D,C+E	RHR-MO-64C	L200 R 446 J.0/5.0	SMB-000-5/748 R113	M521 CA	221011	1 4	0.0	4320	1 0	35	N
		MOTOR OPERATOR RHR-FCV-64C										
41A 2	RHR-V-68A+ C+E,F	RHR-MO-68A	L200 R 558 9.3/7.1	SMB-0-40/T86 R607	M524 H12	221011	1 4	0.0	4320	2 0	35	N
		2.6HP 5.75A MOTOR OPER. RHR-V-68A										
41A 2	RHR-V-68B+ C,E,F	RHR-MO-68B	L200 R 559 9.3/7.1	SMB-0-40/T86 R605	M524 H10	221011	1 4	0.0	4320	2 0	35	N
		2.6HP (5.75A) MOTOR OPER. RHR-V-68B										
215 2	RHR-V-73A+ C+E	RHR-MO-73A	L200 R 572 J8/9		M521 J14	221016			4320	1 3		
		2.0HP MOTOR OPERATOR RHR-V-73A										
215 2	RHR-V-73B+ C+E	RHR-MO-73B	L200 R 572		M521 J3	221016			4320	1 3		
		2.0HP MOTOR OPERATOR RHR-V-73B										
215 2	RHR-V-74A+ C+E	RHR-MO-74A	L200 R 572		M521 J14	221016			4320	1 3		
		2.0HP MOTOR OPERATOR RHR-V-74A										
215 2	RHR-V-74B+ C+E	RHR-MO-74B	L200 R 572		M521 J3	221016			4320	1 3		
		2.6HP MOTOR OPERATOR RHR-V-74B										
41A 2	RHR-V-8+ B1,C+E	RHR-MO-8	L200 R 512 M.9/7.3	SMB-2-80/DS224B R315	M521 F11	221009	1 4	0.0	4320	1 3	35	N
		5.8HP MOTOR OPERATOR RHR-V-8										

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CONTRACT LV	COMPOSITE NOS. SAFETY/FUNCTION	EQUIPMENT NO.	HP	HP	MODEL NO.	QTY	TEST	ANL.	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT	LOCATION	ROOM	AS	AGTH	DBE	C	HOURS	ACCURACY		
42A 2	RHR-V-87A+ C+E	RHR-MO-87A	L200	SHB-00-10/L56		221016							
	3.89HP MOTOR OPERATOR	RHR-V-87A	R 578	J/9/83		R604	NA			4320	1	1	
42A 2	RHR-V-87B+ C+E	RHR-MO-87B	L200	SHB-00-10/L56		221016							
	MOTOR OPERATOR	RHR-V-87B	R 578	M.8/8/86		R604	NA			4320	1	1	
41A 2	RHR-V-94 B1,C,E	RHR-MO-9	L200	SHB-2-60/215R2		221016							
	10.6HP MOTOR OPERATOR	RHR-V-9	C 503	150.0/AZ R25			RR			4320	1	3	
02G11 2	RHR-V-116+ B2,C,F	RHR-MO-93	L200	SHB-0-40/T56		221016							
	MOTOR OPERATOR FOR	RHR-V-116	R 592	8.6/H10			R505	NA		4320	1	0	
02G11 2	RHR-V-115+ B2,C,F	RHR-MO-94	L200	SHB-0-40/T56		221016							
	MOTOR OPERATOR FOR	RHR-V-115	R 592	9.0/H10			R505	NA		4320	1	0	
215 2	RHR-V-123A+ B1,C,E	RHR-MO-99A	L200	SHB-000-3/PAB		221016							P
	MOTOR OPERATOR FOR	RHR-V-123A	C 514	95.0/AZ R28			NA			4320	2	3	
215 2	RHR-V-123B+ B1,C,E	RHR-MO-99B	L200	SHB-000-3/PAB		221016							P
	MOTOR OPERATOR FOR	RHR-V-123B	C 510	270.0/AZ R27			NA			4320	2	3	
02 3	E-IR-P021+ 6	RHR-PIS-22A	R290										
	PRESSURE INDICATING SWITCH		R 503	J.0/9.4						4320	2	1	
02 3		RHR-PIS-22B	S382	CAT 5N-AA3-X10511		245002							
	PRESSURE INDICATING SWITCH		R 503	J.0/9.4						4320	2	1	
02 3	E-IR-P021+ 6	RHR-PIS-22C	R290										
	PRESSURE INDICATING SWITCH		R 501	H.8/9.3						4320	2	0	
02E12 2	C+E	RHR-PS-16A	S382	5N3-X10511		256016							
	PRESSURE SWITCH		R 501	J.6/3.6			R305	NB		24	1	0	
02E12 2	C+E	RHR-PS-16B	S382	5N-AA3X10511		256016							
	PRESSURE SWITCH		R 501	H.8/9.3			R305	AB		24	33	4	N

Alpha Business Forms, Inc. 87

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

WPP&P CLASSIFICATION EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	INFO. PLANT LOCATION	REG. MODEL NO. DRAWING	QID ROOM	TEST AGING	AHL DBE	F/O HOURS	C ACCURACY	FREQ FREQ	TM TM	HL HL
02E12 2 C/E	E-IR-P021+	RHR-PS-16C	S382 R 502 H.0/7.5	SN-AA3X103TT	256016	1 4	0 0		33+			N
	RHR PRESSURE			M521 B7				24	1 0			
02 2 C/E		RHR-PS-18	6080 R 501 H.0/7.5	2Q9A5127P004				4320				
	PRESS SWITCH SHUTDOWN COOLING			M521 F12					2 0			
02 2 C/E	E-IR-H22/P018+	RHR-PS-19A	S382 R 501 H.0/7.5	SN-AA3X103TT	256016							
	ADS PERMISSIVE PMP A H22-P018			M521 B13				24	1 0			
02 2 C/E	E-IR-H22/P021+	RHR-PS-19B	S382 R 501 L/13	SN-AA3X103TT	256016							F
	ADS PERMISSIVE PMP B H22-P021			M521 B4				24	1 0			
02 2 C/E	E-IR-H22/P021+	RHR-PS-19C	S382 R 501 L/13	SN-AA3X103TT	256016							F
	LPCI PERMISSIVE PUMP C 10-240 PSIG			M521 BB				24	1 0			
02 2 C/E	E-IR-P018+	RHR-PT-26A	R290 R 597 J.0/7.4	613B	259001							
	PRESSURE TRANSMITTER RCIC LOOPA			M521 K14				4320				2 1
02 2 C/E	E-IR-P021+	RHR-PT-26B	R290 R 597 H.0/8.3	613B	259001							
	PRESSURE TRANSMITTER RCIC LOOPB			M521 K6				4320				2 1
02 2 C/E	E-IR-P021+	RHR-PT-28	R290 R 503 J.0/9.4	613B	259005							
	PRESSURE TRANSMITTER RCIC LOOPA			M521 F13				4320				2 1
215 2 B2+F		RHR-SV-182	M090 R 548 L.0/9.0	282033								
				M521 J6				4320				2 0
215 2 B2		RHR-SV-60A	M090 R 548 H.0/8.3	282033								
				M521 J12				4320				2 0
215 2 B2		RHR-SV-60B	M090 R 548 K.0/8.3	282033								
				M521 J5				4320				2 0
02 2 I		RHR-TE-27A	G082 R 565 K/8	ITEM84	335011							
	TEMPERATURE ELEMENT (PRIMARY)			M521 H13				0.1	99+			N
								4320				1 3

Mettler Instrument Form, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 20A

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	UID AGE	TEST OFF	AHL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
02 2 I	RHR-TE-278	RHR-TE-278 TEMPERATURE ELEMENT (PRIMARY)	6082	ITEM #4 M521 H8	339011		0.1	4320		99+		N
02 2 G	RHR-TE-4A	RHR-TE-4A TEMPERATURE ELEMENT (PRIMARY)	6080	M521 J13	339011		0.1	4320		99+		N
02 2 G	RHR-TE-4B	RHR-TE-4B TEMPERATURE ELEMENT (PRIMARY)	6080	M521 J4	339011		0.1	4320		99+		N
02E12 2 G	RHR-TE-5A	RHR-TE-5A TEMPERATURE ELEMENT	6080	M524 H11	339011		0.1	4320		99+		N
02E12 2 G	RHR-TE-5B	RHR-TE-5B TEMPERATURE ELEMENT	6080	M524 H12	339011		0.1	4320		99+		N
2 J	ROA-AD-10+	ROA-LMS-10 LIMIT SWITCH ON ROA-AD-10	N007	70050100 M545 E14	200014			4320				1 0
2 J	ROA-SPV-11	ROA-LMS-11 LIMIT SWITCH ON ROA-AD-11	N007	70050100 M545 E8	200014			4320				1 0
216 2 J	ROA-AD-12+	ROA-LMS-12 LIMIT SWITCH ON ROA-AD-12	N007	70050100 M545 C7	200014			4320				1 0
216 2 J	ROA-AD-13+	ROA-LMS-13 LIMIT SWITCH ON ROA-AD-13	N007	70050100 M545 G14	200014			4320				1 0
216 2 J	ROA-AD-14+	ROA-LMS-14 LIMIT SWITCH ON ROA-AD-14	N007	70050100 M545 G13	200014			4320				1 0
216 2 J	ROA-AD-15+	ROA-LMS-15 LIMIT SWITCH ON ROA-AD-15	N007	70050100 M545 G12	200014			4320				1 0
216 2 J	ROA-AD-17+	ROA-LMS-17 LIMIT SWITCH ON ROA-AD-17	N007	70050100 M545 G14	200014			4320				1 0

Merrill Lynch, Pierce, Fenner & Smith, Inc.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASSIFICATION EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/D	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DRAWING	NS	AGING	DEF.	CLASS	ACCURACY	USE		
2	J	ROA-AD-19+	ROA-LMS-19	N007	7000100	200014				4320	1	0
			R 548 L.0/4.0	M545	F3							
3	B,D	ROA-RLY-CR1A								4320	1	0
			R 548 M.8/0.0	E519/12 D7								
3	B,D	ROA-RLY-CR200								4320	1	0
			R 522 M.0/0.5	E519/12								
216	B2,D	ROA-AD-10+	ROA-SPV-10	A610	HBR8320A-1	315002				4320	1	0
2		DIV II MCC ROOM DAMPER SOL PILOT	R 522 M.6/4	M545	E15							
216	B2,D	ROA-V-1+	ROA-SPV-100	A610	WJHT8316E35F	315004	2	1	0.0	4320	33	N
2		ROA-V-1 SOL PILOT VA	R 548 M.8/5.7	M545	F3							
216	B2,D	ROA-AD-11+	ROA-SPV-11	A610	HBR8320A-1	315002				4320	1	0
2		DIV I MCC ROOM DAMPER SOL PILOT	R 522 M.4/0.5	M545	D7							
216	B2,D	ROA-AD-12+	ROA-SPV-12	A610	HBR8320A-1	315002				4320	1	0
2		DC MCC ROOM DAMPER SOL PILOT	R 471 M.4/0.1	M545	C7							
216	B2,D	ROA-AD-13+	ROA-SPV-13	A610	HBR8320A-1	315002				4320	1	0
2		H2 RECOMB MCC RM (DIV I) DAMPER SO	R 575 M.4/5.7	M545	G15							
216	B2,D	ROA-AD-14+	ROA-SPV-14	A610	HBR8320A-1	315002				4320	1	0
2		H2 RECOMB MCC RM (DIV II) DAMPER S	R 572 M.8/7.8	M545	G14							
216	B2,D	ROA-AD-15+	ROA-SPV-15	A610	HBR8320A-1	315002				4320	1	0
2		SOLENOID PILOT VALVE	R 548 M.4/4.3	M545	G13							
216	B2,D	ROA-AD-17+	ROA-SPV-17	A610	HBR8320A-1	315002				4320	1	0
2		ANALYZER RM 1B DAMPER SOL PILOT LO	R 548 M.4/4.4	M545	G14							
216	B2,D	ROA-V-2+	ROA-SPV-200	A499	WJHT8316E35F	315004	2	1	0.0	4320	33	N
2		ROA-V-2 SOL PILOT VA	R 528 M.0/2.2	M545	F3							

Murray Broadcast Forms, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
WHP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F70	C	FREQ	TH	HL
LV.	SAFETY FUNCTION	PLANT LOCATION	ROOM	OS	AGING	ORE	C	HOURS	ACCURACY			
EC	EQUIPMENT DESCRIPTION	DRAWING							USE			
02C72 2 A	E-IR-P004+	RPS-PS-2A	S382	RK-AA4-X10TT	256016	1 4	0.0			33+	N	
	HIGH DRYWELL PRESSURE 0.2-6 PSI	R 525 H.5/7.1		R404 AB				.017		1 0		
02C72 2 A	E-IR-P027+	RPS-PS-2B	S382	12N-AA4-X10TT	256016	1 4	0.0			33+	F N	
	HIGH DRYWELL PRESSURE 0.2-6 PSI	R 525 H.8/6.6		R404 AB				.017		1 0		
02C72 2 A	E-IR-P003+	RPS-PS-2C	S382	12N-AA5-X10TT	256016							
	HIGH DRYWELL PRESSURE 0.2-6 PSI	R 526 H.9/5.8		R404 AB				.017		1 0		
02C72 2 A	E-IR-P026+	RPS-PS-2D	S382	12N-AA5-X10S1TT	256016	1 4	0.0			33+	N	
	HIGH DRYWELL PRESSURE 0.2-6 PSI	R 526 H.4/4.2		R404 AB				.017		1 0		
02C72 2 A		RPS-PS-4	B080	288A	256007							
	PRIM. CONT HIGH PRESS	R 522 J5/7.2		R404 XB				.017		1 0		
67 2 C/E	RRA-FC-1+	RRA-M-1	W120	FBFC	213012							
	3HP/4.7A MOTOR FOR RRA-FN-1	R 445 H.7/4.3		R118 AB				.4320		1 3		
67 2 J	RRA-FC-10+	RRA-M-10	W120	FBFC/102T	213023							
	3HP/4.65A MOTOR FOR RRA-FN-10	R 522 H.3/3.8		R410 AB				.4320		1 0		
67 2 J	RRA-FC-11+	RRA-M-11	W120	FBFC/102T	213023							
	3HP/4.65A MOTOR FOR RRA-FN-11	R 522 H.5/8		R411 AB				.4320		1 0		
216 2 J	RRA-FN-12+	RRA-M-12	W120	TBAN	213018							
	5HP/5.5A MOTOR FOR RRA-FN-12	R 490 H.6/7.8		R212 RM				.4320		1 0		
216 2 J	RRA-FC-13+	RRA-M-13	W120	TBAN	213015						F	
	3HP/7A MOTOR FOR RRA-FN-13	R 585 H.3/6.1		R611 RD				.4320		1 0		
216 2 J	RRA-FC-14+	RRA-M-14	W120	7905-01-003	213015						F	
	3HP/5.5A MOTOR FOR RRA-FN-14	R 585 H.7/8.0		R612 RD				.4320		1 0		
216 2 J	RRA-FC-15+	RRA-M-15	W120	TBAN	213015							
	3HP/5.4A MOTOR FOR RRA-FN-15	R 548 H.5/4.5		R516 XD				.4320		1 0		

Moore Business Forms, Inc. 17

WASHINGTON POWER SUPPLY SYSTEM
 WNP-2 CLASS EQUIPMENT LIST

DATE 01/12/82 PAGE 211

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL.	F/O	C	FREQ	TH	HL
EC	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	DWG	AGING	DBE	C	HOURS	ACCURACY	USE		
216 2 J	RRA-FC-17+ 3HP/5.7A MOTOR FOR RRA-FN-17	RRA-M-17	W120	TRAH				213015				
			R 548 M5/47	M512	KB			4320		1 0		
215 2 J	RRA-FC-19+ R 548 L10/8.4	RRA-M-19						4320		1 3		
67 2 J	RRA-FC-2+ 3HP/4.65A MOTOR FOR RRA-FN-2	RRA-M-2	W120	8BFC				213012				
			R 445 L10/8.3	M549	88			4320		1 3		
215 2 J	RRA-FC-20+ R 548 L8/8.4	RRA-M-20						4320		1 3		
67 2 J	RRA-FC-3+ 3HP/4.65A MOTOR FOR RRA-FN-3	RRA-M-3	W120	7BFC				213012				
			R 445 M7/8.3	M545	B9		R115 AB	4320		1 0		
67 2 J	RRA-FC-4+ 10HP/14A MOTOR FOR RRA-FN-4	RRA-M-4	W120	7BFC				213025				
			R 445 M5/7.1	M545	B13		R106 AB	24		1 0		
67 2 J	RRA-FC-5+ 5HP/6.8A MOTOR FOR RRA-FN-5	RRA-M-5	W120	5BFC				213013				
			R 445 K7/3.7	M545	B13		R114 AB	24		1 0		
67 2 J	RRA-FC-6+ 2HP/3A MOTOR FOR RRA-FN-6	RRA-M-6	W120	7BFC				213021				
			R 445 H.7/7.7	M545	B7		R112 AB	24		1 2		
218 3 J	RRA-FN-1+ LOCAL CONTROL SWITCH-RRA-FN-1	RRA-RMS-S1	G080	CR2940				4320		2 3		
				M545	A9							
218 3 J	RRA-FN-2+ CONTROL SWITCH-RRA-FN-2	RRA-RMS-S2	G080	CR2940				4320		2 0		
				M545	A8							
218 3 J	RRA-FN-3+ CONTROL SWITCH-RRA-FN-3	RRA-RMS-S3	G080	CR2940				4320		2 3		
				M545	A7							
218 3 J	RRA-FN-4+ CONTROL SWITCH-RRA-FN-4	RRA-RMS-S4	G080	CR2940				24		2 3		
				M545	A14							

ANSI Z39-18-1983 PERM. INC. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 15 EQUIPMENT LIST

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CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QTY	TEST	ANL	F/O	C	FREQ	TH	HL
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	OR	ABING	ORF	E	HOURS		ACCURACY		
EC	EQUIPMENT DESCRIPTION	DRAWING								USE		
218 3 J	RRA-FK-5+	RRA-RMS-S5	6080	CR2940								
	LOCAL CONTROL SWITCH, LPCS P RM 5	M545	A13					24		2.3		
218 3 J	RRA-FK-6+	RRA-RMS-S6	6080	CR2940								
	LOCAL CONTROL SWITCH, LPCS P RM 6	M545	A12					4320		2.2		
215 2 B1	RRC-V-16A+	RRC-MO-16A	L200			221016						
	2HP MOTOR OPERATOR FOR RRC-V-16A	M530	C14					1017		2.0		
215 2 B1	RRC-V-16B+	RRC-MO-16B	L200			221016						
	2 HP MOTOR OPERATOR FOR RRC-V-16B	M530	B14					1017		2.0		
02 2 G	RRC-V-23A+	RRC-MO-23A	L200	SMB-2-25		221012	1 4	0.0		33+		Y
	MOTOR OPERATOR RRC-V-23A	M530	D12					1017		2.0		
02 2 G	RRC-V-23B+	RRC-MO-23B	L200	SMB-2-25		221012	1 4	0.0		33+		Y
	6.4 HP MOTOR OPER FOR RRC-V-23B	M530	D6					1017		2.0		
02 2 G	RRC-V-67A+	RRC-MO-67A	L200	SMB-3-60		221012	1 4	0.0		33+		Y
	15.8HP MOTOR OPER FOR RRC-V-67A	M530	E10					1017		2.0		
02 2 B	RRC-V-67B+	RRC-MO-67B	L200	SMB-3-60		221012	1 4	0.0		33+		Y
	15.8 HP MOTOR OPER FOR RRC-V-67B	M530	E7					1017		2.0		
215 2 B1, I	RRC-SV-19+	RRC-POS-19		282033-9304								
		M530	F11					1017		2.0		
215 2 B1, I	RRC-SV-20+	RRC-POS-20		282033-9304								
		M530	F13					1017		2.0		
215 2 B1, I		RRC-SV-19	B350	P 81560		324003						
	1.0" SOLENOID SAMPLING VALVE	M530	F11							2.0		
215 2 B1, I		RRC-SV-20	B350	81560		324003						
	1.0" SOLENOID SAMPLING VALVE	M530	F12							2.0		

Moore Business Forms, Inc. 87

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WWP-2 CLASS 1 EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QTY	TEST	ANL	F/O	C	FREQ	TH	HL
EC	SAFETY FUNCTION	PLANT LOCATION	ROOM	SS	AWING	DR	C	HOURS	ACCURACY			
	EQUIPMENT DESCRIPTION	DRAWING						USE				
02E31 3 6		RCU-FT-36	6082	1110MAA4MBP	1	196003	1 4	0 0		33+		N
	FLOW ELEMENT 35 PRESSURE BOUNDARY	R 926 H.8/5.0		M523 F15				4320		2 0		
02 3 6	E-IR-P009+	RCU-FT-37										
	EXTENSION OF SYSTEM PRESS BOUNDARY	R 471 J7/8.0		M523 G12				4320		2 0		
3 6		RCU-FT-41	6080	055111BMAA4MBP								
	FLOW TRANSMITTER	R		M523 H11				4320		2 0		
41A 2 -B1	RCU-V-1+	RCU-MO-1	L200	SMB-0-25/R56	221011	1 4	0 0			35		Y
	1.6HP 4.0A MOTOR OPER. RCU-V-1	C 540 H.50 DE0		M523 F18				24		1 0		
41A 2 B1	RCU-V-4+	RCU-MO-4	L200	SMB-0-25/DK56H	221011	1 4	0 0			35		P
	1.8HP 7.5A MOTOR OPER. RCU-V-4	R 537 H.7/5.0		R406 AA				24		1 0		
41A 2 B1	RCU-V-40+	RCU-MO-40	L200	SMB-0-25/R56	221011	1 4	0 0			35		N
	1.6HP MOTOR OPER. RCU-V-40	R 514 H.6/5.1		M523 H11				24		1 0		
1 I		S-SR-13+										
	H2/D2 SAMPLE RACK COMPOSITE	R 548 H6/4.5		M543 E6						1 0		
1 I		S-SR-14+										
	H2/D2 SAMPLE RACK COMPOSITE	R 548 H6/4.6		M543 H14						1 0		
1 F,I		S-SR-42+										
		R 522 K.5/9.5		M524 G11						1 3		
1 F,I		S-SR-43+										
		R 522 N.1/9.5		M524 G10						1 3		
18 2 D,F	SGT-FU-1A+	SGT-EHC-1A1	C332	2747499	109008							F
	22.5 KW ELECTRIC HEATING COIL	R 576 H.7/5.6		M544 H13				4320		1 0		
18 2 D,F	SGT-FU-1A+	SGT-EHC-1A2	C332	2747499	109008							F
	ELECTRIC HEATING COIL	R 576 H.7/5.6		M544 H13				4320		1 0		

Meredith Business Forms, Inc. NY

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	RFG. PLANT LOCATION	RFG. MODEL NO. RDN	QID ACTING	TEST OBS	ANL C	F/O HOURS	C	FREQ ACCURACY	TH	HL
18 2	D,F	SGT-FU-1B+ 22.5 KW ELECTRIC HEATING COIL	SGT-EHC-1B1 R 576 H.7/56	C332 M544	2747499 D13	189008 BA		4320		1.0		F
18 2	D,F	SGT-FU-1B+ ELECTRIC HEATING COIL	SGT-EHC-1B2 R 576 J.3/56	C332 M544	2747499 D13	189008 BA		4320		1.0		F
28 2	D,F	SGT-FN-1A1+ SGT-FN-1A1 INLET VANES OPER	SGT-EHO-1A1 R 575 H.3/78	I207 M544	NH91G2073E1F-2N2001 F8	110004 BM	2 1	0.0		33	F	N
28 2	D,F	SGT-FN-1A2+ SGT-FN-1A2 INLET VANES OPER	SGT-EHO-1A2 R 575 H.6/78	I207 M544	NH91G2073E1F-2N20 G6	110004 BM	2 1	0.0		33	F	N
28 2	D,F	SGT-FN-1B1+ SGT-FN-1B1 INLET VANES OPER	SGT-EHO-1B1 R 575 J.2/78	I207 M544	NH91G2073E1F-2N20 G6	110004 BM	2 1	0.0		33	F	N
28 2	D,F	SGT-FN-1B2+ SGT-FN-1B2 INLET VANES OPER	SGT-EHO-1B2 R 575 J.3/78	I207 M544	NH91G2073E1F-2N20 E6	110004 BM	2 1	0.0		33	F	N
220 3	D,F	SGT-FU-1A+ SGT-FN-1A-1 DISCH. LOC-AL	SGT-FS-2A2 R 572 H.9/78				PD	4320		1.0		F
220 3	D,F	SGT-FU-1B+ SGT-FN-1B-2 DISCH. LOC-AL	SGT-FS-2B1 R 572 J.2/80				PD	4320		1.0		F
59 3	I	SGT-FN-1A1+ FLOW AFTER SGT-FN-1A-1 LOC-AL	SGT-FT-1A1 R 585 H8/71	R369 M544	1151DP3022MBGE01 J6	156005 R608	XM	4320		1.0		
59 3	I	SGT-FN-1A2+ FLOW AFTER SGT-FN-1A-2 LOC-AL	SGT-FT-1A2 R 585 H8/71	R369 M544	1151DP3022MBGE01 G6	156005 R608	XM	4320		1.0		
59 3	I	SGT-FN-1B1+ FLOW AFTER SGT-FN-1B-1 LOC-AL	SGT-FT-1B1 R 585 H8/71	R369 M544	1151DP3022MBGE01 G6	156005 R608	XM	4320		1.0		
59 3	I	SGT-FN-1B2+ FLOW AFTER SGT-FN-1B-2 LOC-AL	SGT-FT-1B2 R 585 H8/71	R369 M544	1151DP3022MBGE01 E6	156005 R608	XM	4320		1.0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WNP-2 CLASS EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	NFB PLANT LOCATION	NFB MODEL NO. DRAWING	G10 AGNB	TEST OFF	ANL C	P70 HOURS	C C	FREQ ACCURACY	TH HE
68 3	I SGT-V-2A+	SGT-LMS-2A R 580 J.3/5.5	N007	74000100 68-00-0007				4320		1.0	
68 3	I SGT-V-2B+	SGT-LMS-2B R 580 J.4/5.2	N007	74000200 68-00-0007				4320		1.0	
28 2	D,F SGT-FN-1A1+	SGT-M-1A1 R 576 H.7/7.6	M120	TBDP R608 BA	213017			4320		1.0	F
		25HP/61-30.5A MOTOR FOR SGT-FN-1A1		M544 F8						1.0	
28 2	D,F SGT-FN-1A2+	SGT-M-1A2 R 576 H.9/7.6	M120	TBDP R608 BA	213017			4320		1.0	F
		25HP/61-30.5A MOTOR FOR SGT-FN-1A2		M544 G6						1.0	
28 2	D,F SGT-FN-1B1+	SGT-M-1B1 R 576 J.2/7.6	M120	TBDP R607 BA	213017			4320		1.0	F
		25HP/61-30.5A MOTOR FOR SGT-FN-1B1		M544 C6						1.0	
28 2	D,F SGT-FN-1B2+	SGT-M-1B2 R 576 J.7/7.7	M120	TBDP R607 BA	213017			4320		1.0	F
		25HP/61-30.5A MOTOR FOR SGT-FN-1B2		M544 E6						1.0	
18 3	D,F SGT-FU-1A+	SGT-MC-6A R 582 H.7/5.5	C332	SWAGLOCK M544 H13	216006			4320		1.0	F
		SGT-EHC-1A-2 CONTROL SYSTEM - -								1.0	
18 3	D,F SGT-FU-1B+	SGT-MC-6B R 572 J.4/5.5	H349	XMA/C183 HYGROMETRIX M544 C13	216001			4320		1.0	F
		SGT-EHC-1B-1 CONTROL SYSTEM - -								1.0	
18 3	D,F SGT-FU-1A+	SGT-MC-7A R 582 H.7/5.5	C332	SWAGLOCK M544 J13	216006			4320		1.0	F
		SGT-EHC-1A-1 CONTROL SYSTEM - -								1.0	
18 3	D,F SGT-FU-1B+	SGT-MC-7B R 582 J.3/5.5	C332	SWAGLOCK M544 E13	216006			4320		1.0	F
		SGT-EHC-1B-2 CONTROL SYSTEM - -								1.0	
18 2	D,F SGT-FU-1A+	SGT-ME-6A R 582 H.7/5.5	H349	SWAGLOCK M544 J13	217001			4320		1.0	F
		SGT-FU-1A:MOIST. AFTER SGT-MS-1A L								1.0	
18 2	D,F SGT-FU-1B+	SGT-ME-6B R 582 J.3/5.5	H349	XMS-7AP M544 E13	217001			4320		1.0	F
		SGT-FU-1B MOIST. AFTER SGT-MS-1B L								1.0	

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV#	COMPOSITE NO. SAFETY/FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QTY QTY	TEST AGEING	ANL C	F70 HOURS	C C	FREQ ACCURACY	TH HL	USE
18 2	D,F	SGT-FU-1A+ SGT-FU-1A MOIST. AFTER SGT-MS-1A L	H349 R 582 H47/545	XMS-7AP M344 C13	1 1			4320		1 0		F
18 2	D,F	SGT-FU-1B+ SGT-FU-1B MOIST. AFTER SGT-MS-1B L	H349 R 582 J.3/545	XMS-7AP M344 H12	1 1			4320		1 0		F
68 2	D,F	SGT-V-1A+ 1.3HP/4.8-2.4A MOTOR OPER SGT-V-1A	L200 R 582 J.3/545	SMB-00-10/P56 M544 H14	1 1		0.0	4320		1 0		F N
68 2	D,F	SGT-V-1B+ 1.3HP/4.8-2.4A MOTOR OPER SGT-V-1B	L200 R 584 J4/512	SMB-00-10/P56 M544 E14	1 1		0.0	4320		1 0		F N
68 2	D,F	SGT-V-3A1+ 1.3HP 2.4A MOTOR OPER SGT-V-3A1	L200 R 578 H.4/7.6	SMB-00-10/P56 M544 G7	1 1	4		4320		1 0		F N
68 2	D,F	SGT-V-3A2+ 1.33HP 2.4A MOTOR OPER SGT-V-3A2	L200 R 578 H.6/7.6	SMB-00-10/P56 M544 G7	1 1	4	0.0	4320		1 0		F N
68 2	D,F	SGT-V-3B1+ 1.33HP 2.4A MOTOR OPER SGT-V-3B1	L200 R 578 J.4/7.6	SMB-00-10/P56 M544 E7	1 1	4	0.0	4320		1 0		F N
68 2	D,F	SGT-V-3B2+ 1.33HP 2.4A MOTOR OPER SGT-V-3B2	L200 R 578 J.6/7.6	SMB-00-10/P56 M544 C7	1 1	4	0.0	4320		1 0		F N
68 2	D,F	SGT-V-4A1+ 1.3HP 2.4A MOTOR OPER SGT-V-4A1	L200 R 578 H.4/7.6	SMB-00-10/P56 M544 H5	1 1	4	0.0	4320		33 1 0		F N
68 2	D,F	SGT-V-4A2+ 1.3HP 2.4A MOTOR OPER SGT-V-4A2	L200 R 588 J.1/7.0	SMB-00-10/P56 M544 U5	1 1	4	0.0	4320		33 1 0		F N
68 2	D,F	SGT-V-4B1+ 1.33HP 2.4A MOTOR OPER SGT-V-4B1	L200 R 587 H.8/7.0	SMB-00-10/P56 M544 C5	1 1	4	0.0	4320		33 1 0		N
68 2	D,F	SGT-V-4B2+ 1.33HP 2.4A MOTOR OPER SGT-V-4B2	L200 R 587 J.8/7.0	SMB-00-10/P56 M544 E5	1 1	4	0.0	4320		33 1 0		N

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	HFG. PLANT LOCATION	HFG. MODEL NO. ROOM	HFD. ABTNS	TEST	AHL C.	F70. HOURS	C. ACCURACY	FREQ TH. HL
EC	EQUIPMENT DESCRIPTION	DRAWING							USE	
68 2 D,F	SGT-V-5A1+ 1.33HP 2.4A MOTOR OPER	SGT-MO-5A1	L200 R 587 H.4/7.0	5MB-00-10/P56 R608 AB	221007	1 4	0 0	4320	33	N
68 2 D,F	SGT-V-5A2+ 1.33HP 2.4A MOTOR OPER	SGT-MO-5A2	L200 R 587 H.9/7.0	5MB-00-10/P56 R608 AB	221007	1 4	0 0	4320	33	N
68 2 D,F	SGT-V-5B1+ 1.33HP 2.4A MOTOR OPER	SGT-MO-5B1	L200 R 587 H.6/7.0	5MB-00-10/P56 R608 AB	221007	1 4	0 0	4320	33	N
68 2 D	SGT-V-5B2+ 1.33HP 2.4A MOTOR OPER	SGT-MO-5B2	L200 R 578 H.6/7.6	5MB-00-10/P56 R607 AB	221007	1 4	0 0	4320	33	N
18 1 D,F	HEATER CONTROL BOX	SGT-PP-EHC/1A1+	F030 R 572 H.0/6.0	E519-34A				4320	1 0	
18 1 D,F	HEATER CONTROL BOX	SGT-PP-EHC/1A2+	F030 R 572 H.0/6.0	E519-34A				4320	1 0	
18 1 D,F	HEATER CONTROL BOX	SGT-PP-EHC/1B1+	F030 R 572 H.0/6.0	E519-34A				4320	1 0	
18 1 D,F	HEATER CONTROL BOX	SGT-PP-EHC/1B2+	F030 R 572 H.0/6.0	E519-34A				4320	1 0	
18 2 D,F	CONTROL OF HEATER	SGT-EHC-1A1+ SGT-FHC-1A1	B135 R 572 H.4/5.9	A900-20COEAA-20	256008			4320	2 0	
18 2 D,F	CONTROL OF HEATER	SGT-EHC-1A2+ SGT-FHC-1A2	B135 R 572 H.8/6.0	A900-20COEAA-20	256008			4320	2 0	
18 2 D,F	CONTROL OF HEATER	SGT-EHC-1B1+ SGT-PS-EH1B1	B135 R 572 J.5/16.0	A900-20COEAA-20	256008			4320	2 0	
18 2 D,F	CONTROL OF HEATER	SGT-EHC-1B2+ SGT-PS-EH1B2	B135 R 572 J.2/6.0	A900-20COEAA-20	256008			4320	2 0	

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	QTY	TEST AGE	ANL C	F70 HOURS	C ACCURACY	FREQ TH	HL
EC									USE		
18 3 D,F	SGT-PP-EHC/1A1+	SGT-RLY-EH1A15	A160	700N800A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1A1	R 572 M.1/6.0	E686		M					
18 3 D,F	SGT-PP-EHC/1A1+	SGT-RLY-EH1A16	A160	700N600A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1A1	R 572 M.1/6.0	E686		M					
3 D,F	SGT-PP-EHC/1A1+	SGT-RLY-EH1A17	A160	700N600A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1A1	R 572 M.1/6.0	E686		M					
18 3 D,F	SGT-PP-EHC/1A2+	SGT-RLY-EH1A21	A160	700N400A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1A2	R 572 M.0/8.2	E696		M					
18 3 D,F	SGT-PP-EHC/1A2+	SGT-RLY-EH1A22	A160	700N400A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1A2	R 572 M.0/8.2	E696		M					
18 3 D,F	SGT-PP-EHC/1A2+	SGT-RLY-EH1A23	A160	700N400A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1A23	R 572 M.0/8.2	E696		M					
18 3 D,F	SGT-PP-EHC/1A2+	SGT-RLY-EH1A24	A160	700N600A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1A2	R 572 M.0/8.2	18-00-0092		M					
18 3 D,F		SGT-RLY-EH1A25	A160	700N800A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1A2	R 572 M.0/8.2	18-00-0092		M					
18 3 D,F		SGT-RLY-EH1A26	A160	700N600A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1A2	R 572 M.0/8.2	18-00-0092		M					
18 3 D,F		SGT-RLY-EH1A27	A160	700N400A1				4320	1 0		F
	CONTROL OF HEATER	SGT-RLY-EH1A27	R 572 M.0/8.2	18-00-8092		M					
18 3 D,F	SGT-PP-EHC/1B1+	SGT-RLY-EH1B11	A160	700N400A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1B1	R 572 M.1/5.8	18-00-0092		M					
18 3 D,F	SGT-PP-EHC/1B1+	SGT-RLY-EH1B12	A160	700N400A1				4320	1 0		F
	CONTROL OF HEATER	SGT-EHC-1B1	R 572 M.1/5.8	18-00-0092		M					

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION	RF8. PLANT LOCATION	RF0 MODEL No. ROOM	QID AGEING	TEST DBF	ANG O	F/O HOURS	C	FREQ ACCURACY	TM HL
		EQUIPMENT DESCRIPTION	DRAWING							USE	
18	3 D,F	SGT-PP-EHC/1B1+ SGT-RLY-EH1B13	A160	700H00A1				4320		1 0	
		CONTROL OF HEATER SGT-EHC-1B1	R 572 M.1/5.8	18-00-0092							
18	3 D,F	SGT-PP-EHC/1B1+ SGT-RLY-EH1B14	A160	700H00A1				4320		1 0	
		CONTROL OF HEATER SGT-EHC-1B1	R 572 M.1/5.8	18-00-0092							
18	3 D,F	SGT-PP-EHC/1B1+ SGT-RLY-EH1B15	A160	700H00A1				4320		1 0	
		CONTROL OF HEATER SGT-EHC-1B1	R 572 M.2/5.8	18-00-0092							
18	3 D,F	SGT-PP-EHC/1B1+ SGT-RLY-EH1B16	A160	700H00A1				4320		1 0	
		CONTROL OF HEATER SGT-EHC-1B1	R 572 M.1/5.8	18-00-0092							
18	3 D,F	SGT-PP-EHC/1B1+ SGT-RLY-EH1B17	A160	700H00A1				4320		1 0	
		CONTROL OF HEATER SGT-EHC-1B1	R 572 M.1/5.8	18-00-0092							
18	3 D,F	SGT-PP-EHC/1B2+ SGT-RLY-EH1B21	A160	700H00A1				4320		1 0	
		CONTROL OF HEATER SGT-EHC-1B2	R 572 M.0/8.0	E686							
18	3 D,F	SGT-PP-EHC/1B2+ SGT-RLY-EH1B22	A160	700H00A1				4320		1 0	
		CONTROL OF HEATER SGT-EHC-1B2	R 572 M.0/8.0	E686							
18	3 D,F	SGT-PP-EHC/1B2+ SGT-RLY-EH1B23	A160	700H00A1				4320		1 0	
		CONTROL OF HEATER SGT-EHC-1B2	R 572 M.0/8.0	E686							
18	3 D,F	SGT-PP-EHC/1B2+ SGT-RLY-EH1B24	A160	700H00A1				4320		1 0	
		CONTROL OF HEATER SGT-EHC-1B2	R 572 M.0/8.0	E686							
18	3 D,F	SGT-PP-EHC/1B2+ SGT-RLY-1B25	A160	700H00A1				4320		1 0	
		CONTROL OF HEATER SGT-EHC-1B2	R 572 M.0/8.0	18-00-0072							
18	3 D,F	SGT-PP-EHC/1B2+ SGT-RLY-1B26	A160	700H00A1				4320		1 0	
		CONTROL OF HEATER SGT-EHC-1B2	R 572 M.0/8.0	18-00-0072							
18	2 F	SGT-DV-1A1+ SGT-SPV-F1	A499	821102H0	315007			4320		2 0	
		1/2 S.O DELUGE VA ASSY SGT-DV-1A-	R 578 M.6/3.7	M544 812	R602 RM						

Mansueti Farms, Inc. NY

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 WHP-2 CLASS 1E EQUIPMENT LIST

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CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QTY	TEST	ANL	F/O	C	FREQ	TH	HL
EC	SAFETY FUNCTION	EQUIPMENT DESCRIPTION	PLANT LOCATION	ERRON	OS	AGING	URE	C	HOURS	ACCURACY	USE	
18 2	F	SGT-DV-1A2+	SGT-SPV-F2	A499	821102M0							
		1/2 S.O. DELUGE VA ASSY	R 578 H.6/3.6	M544	G11	R602	BM		4320	2 0		W
18 2	F	SGT-DV-1B3+	SGT-SPV-F3	A499	821102M0							
		1/2 S.O. DELUGE VA ASSY	R 578 H.6/3.6	M544	G9	R602	BM		4320	2 0		W
18 2	F	SGT-DV-1B1+	SGT-SPV-F4	A499	821102M0							
		1/2 S.O. DELUGE VA ASSY	R 578 H.6/3.6	M544	B12	R602	BM		4320	2 0		W
18 2	F	SGT-DV-1B2+	SGT-SPV-F5	A499	821102M0							
		1/2 S.O. DELUGE VA ASSY	R 578 H.6/3.6	M544	B11	R602	BM		4320	2 0		W
18 2	F	SGT-DV-1B3+	SGT-SPV-F6	A499	821102M0							
		1/2 S.O. DELUGE VA ASSY	R 578 H.6/3.6	M544	B9	R602	BM		4320	2 0		W
220 2	D	SGT-V-2A+	SGT-SPV-2A	A499	821102M0							
		SOL. PILOT VLV FOR SGT-V-2A	R 578 H.6/3.6	M539	J15	R600	BM	2 4	0 0	35		N
220 2	D	SGT-V-2B+	SGT-SPV-2B	A499	821102M0							
		SOL. PILOT VLV FOR SGT-V-2B	R 578 H.6/3.6	M539	D15	R607	BM	2 4	0 0	35		N
18 2	F	SGT-FU-1A+	SGT-TE-6A1	F081	21110-0							
		SGT-FU-1A; SGT-CF-1A-1 TEMPERATURE	R 572 H8/5.5	M544	H11	R608	BM		4320	2 0		
18 2	F	SGT-FU-1B+	SGT-TE-6B1	F081	21110-0							
		SGT-FU-1B; SGT-CF-1B-1 TEMPERATURE	R 572 J4/5.5	M544	D11	R607	BM		4320	2 0		
18 2	F	SGT-FU-1A+	SGT-TE-7A1	F081	21110-0							
		SGT-FU-1A; SGT-CF-1A-2 TEMPERATURE	R 572 H8/5.5	M544	H9	R608	BM		4320	2 0		
18 2	F	SGT-FU-1B+	SGT-TE-7B1	F081	21110-0							
		SGT-FU-1B; SGT-CF-1B-2 TEMPERATURE	R 572 J4/5.5	M544	D9	R607	BM		4320	2 0		
18 2	F	SGT-FU-1A+	SGT-TE-8A1	F081	21110-0							
		SGT-FU-1A TEMP. AFTER SGT-FL-1A LO	R 572 H8/5.5	M544	H12	R608	BM		4320	2 0		

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CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	WFO PLANT LOCATION	WFO MODEL NO. ROOM	QID AGING	TEST OBE	ANL C	F/O HOURS	C FREQ ACCURACY	TH IN	HL HL
18 2	EC F	SGT-FU-1B* SGT-FU-1B TEMP AFTER SGT-FL-1B LO	FO81 R 572 J4/5.9	21110-0 R607				339001 4320			2 0
18 3	F, D	SGT-FH-1A1* R 572		M544 16 NM				4320			1 0
18 3	F, D	SGT-FH-1A2* R 572		M544 16 NM				4320			1 0
18 3	F, D	SGT-FH-1B1* R 572		M544 16 NM				4320			1 0
18 3	F, D	SGT-FH-1B2* R 572		M544 16 NM				4320			2 0
18 2	D, F	SGT-EHC-1A1* CONTROL OF HEATER SGT-EHC-1A1	FO81 R 572 H.4/5.9	18000-0 E686				355003 4320			F 2 0
18 2	D, F	SGT-EHC-1A/* CONTROL OF STAGE 1 OF SGT-EHC-1A1	FO81 R 572 H.4/5.9	18000-0 E686				355003 4320			F 2 0
18 2	D, F	SGT-EHC-1A/* CONTROL OF HEATER SGT-EHC-1A1	FO81 R 572 H.4/5.9	18000-0 E686				355003 4320			F 2 0
18 2	D, F	SGT-EHC-1A/* CONTROL OF HEATER SGT-EHC-1A1	FO81 R 572 H.4/5.9	18000-0 E686				355003 4320			F 2 0
18 2	D, F	SGT-EHC-1A/* CONTROL OF HEATER SGT-EHC-1A1	FO81 R 572 H.4/5.9	18000-0 E686				355003 4320			F 2 0
18 2	D, F	SGT-EHC-1A/* CONTROL OF HEATER SGT-EHC-1A1	FO81 R 572 H.4/5.9	18000-0 E686				355003 4320			F 2 0

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CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION EQUIPMENT DESCRIPTION	RFQ PLANT LOCATION	RFQ MODEL NO. ROOM	QID AS	TEST AGE	ANL C	F/O HOURS	C C	FREQ ACCURACY	TM HL
18		SGT-EHC-1A1+	SGT-TS-EH1A116	F081	18000-0			355003			F
2	D,F	CONTROL OF HEATER SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2 0		
18		SGT-EHC-1A1+	SGT-TS-EH1A117	F081	18000-0			355003			F
2	D,F	CONTROL OF HEATER SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2 0		
18		SGT-EHC-1A1+	SGT-TS-EH1A118	F081	18000-0			355003			F
2	D,F	CONTROL OF HEATER SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2 0		
18		SGT-EHC-1A1+	SGT-TS-EH1A12	F081	18000-0			355003			F
2	D,F	CONTROL OF STAGE 1 OF SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2 0		
18		SGT-EHC-1A1+	SGT-TS-EH1A13	F081	18000-0			355003			F
2	D,F	CONTROL OF STAGE 1 OF SGT-EHC-1A1	R 572 H.4/5.9	E686				4320	2 0		
18		SGT-EHC-1A1+	SGT-TS-EH1A14	F081	18000-0			355003			F
2	D,F		R 572 H.4/5.9	E686				4320	2 0		
18		SGT-EHC-1A1+	SGT-TS-EH1A15	F081	18000-0			355003			F
2	D,F		R 572 H.4/5.9	E686				4320	2 0		
18		SGT-EHC-1A1+	SGT-TS-EH1A16	F081	18000-0			355003			F
2	D,F		R 572 H.4/5.9	E686				4320	2 0		
18		SGT-EHC-1A1+	SGT-TS-EH1A17	F081	18000-0			355003			F
2	D,F		R 572 H.4/5.9	E686				4320	2 0		
18		SGT-EHC-1A1+	SGT-TS-EH1A18	F081	18000-0			355003			F
2	D,F		R 572 H.4/5.9	E686				4320	2 0		
18		SGT-EHC-1A1+	SGT-TS-EH1A19	F081	18000-0			355003			F
2	D,F		R 572 H.4/5.9	E686				4320	2 0		
18		SGT-EHC-1A2+	SGT-TS-EH1A21	F081	18000-0			355003			F
2	D,F		R 572 H.8/6.8	E686				4320	2 0		

Agilent Business Forms, Inc. 18"

WASHINGTON POWER SUPPLY SYSTEM
 WHP-2 CLASSIFICATION EQUIPMENT LIST

DATE 01/12/82 PAGE 223

CONTRACT LV	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TM	HL
EC	SAFETY FUNCTION	EQUIPMENT DESCRIPTION	PLANT LOCATION	ROOM	AS	AGING	DRE	HOURS	ACCURACY	USE		
18 2	D,F	SGT-EHC-1A2+	SGT-TS-EH1A210	F081	18000-0					355003		F
			R-572 H-8/6.0							4320	2.0	
			E686									
18 2	D,F	SGT-EHC-1A2+	SGT-TS-EH1A211	F081	18000-0					355003		F
			R-572 H-8/6.0							4320	2.0	
			E686									
18 2	D,F	SGT-EHC-1A2+	SGT-TS-EH1A212	F081	18000-0					355003		F
			R-572 H-8/6.0							4320	2.0	
			E686									
18 2	D,F	SGT-EHC-1A2+	SGT-TS-EH1A213	F081	18000-0					355003		F
			R-572 H-8/6.0							4320	2.0	
			E686									
18 2	D,F	SGT-FU-1A+	SGT-TS-EH1A214	F081	18000-0					355003		F
			R-572 H-8/6.0							4320	2.0	
			E686									
18 2	D,F	SGT-FU-1A+	SGT-TS-EH1A215	F081	18000-0					355003		F
			R-572 H-8/6.0							4320	2.0	
			E686									
18 2	D,F	SGT-FU-1A+	SGT-TS-EH1A216	F081	18000-0					355003		F
			R-572 H-8/6.0							4320	2.0	
			E686									
18 2	D,F	SGT-FU-1A+	SGT-TS-EH1A217	F081	18000-0					355003		F
			R-572 H-8/6.0							4320	2.0	
		CONTROL OF HEATER	SGT-EHC-1A2									
			E686								2.0	
18 2	D,F	SGT-FU-1A+	SGT-TS-EH1A218	F081	18000-0					355003		F
			R-572 H-8/6.0							4320	2.0	
		CONTROL OF HEATER	SGT-EHC-1A2									
			E686								2.0	
18 2	D,F	SGT-FU-1A+	SGT-TS-EH1A22	F081	18000-0					355003		F
			R-572 H-8/6.0							4320	2.0	
		CONTROL OF STAGE 1 OF SGT-EHC-1A2										
			E686								2.0	
18 2	D,F	SGT-FU-1A+	SGT-TS-EH1A23	F081	18000-0					355003		F
			R-572 H-8/6.0							4320	2.0	
		CONTROL OF STAGE 1 OF SGT-EHC-1A2										
			E686								2.0	
18 2	D,F	SGT-FU-1A+	SGT-TS-EH1A24	F081	18000-0					355003		F
			R-572 H-8/6.0							4320	2.0	
		CONTROL OF STAGE 2 OF SGT-EHC-1A2										
			E686								2.0	

Moore Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
VNP-2 CLASS I/E EQUIPMENT LIST

DATE 01/12/82 PAGE 224

CONTRACT LV.	COMPOSITE NO. SAFETY FUNCTION EC	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QTY	TEST AGING	ANL C	F/O HOURS	C ACCURACY	FREQ TH	HL
18 2	D,F	SGT-FU-1A+ CONTROL OF STAGE 2 OF SGT-EHC-1A2	F081 R 572 H.8/6.0	18000-0 E686	355003	M		4320	2 0		F
18 2	D,F	SGT-FU-1A+ CONTROL OF STAGE 2 SGT-EHC-1A2	F081 R 572 H.8/6.0	18000-0 E686	355003	M		4320	2 0		F
18 2	D,F	SGT-FU-1A+ CONTROL OF STAGE 3 OF SGT-EHC-1A2	F081 R 572 H.8/6.0	18000-0 E686	355003	M		4320	2 0		F
18 2	D,F	SGT-FU-1A+ CONTROL OF STAGE 3 OF SGT-EHC-1A2	F081 R 572	18000-0 E686	355003	M		4320	2 0		F
18 2	D,F	SGT-FU-1A+ CONTROL OF STAGE 3 OF SGT-EHC-1A2	F081 R 572 H.8/6.0	18000-0 E686	355003	M		4320	2 0		F
18 2	D,F	SGT-FU-1B+ CONTROL OF STAGE 1 OF SGT-EHC-1B1	F081 R 572 J.5/6.0	18000-0 E686	355003	M		4320	2 0		F
18 2	D,F	SGT-FU-1B+ CONTROL OF HEATER SGT-EHC-1B1	F081 R 572	18000-0 E686	355003	M		4320	2 0		F
18 2	D,F	SGT-FU-1B+ CONTROL OF HEATER SGT-EHC 1B1	F081 R 572 J.5/6.0	18000-0 E686	355003	M		4320	2 0		F
18 2	D,F	SGT-FU-1B+ CONTROL OF HEATER SGT-EHC-1B1	F081 R 572 J.5/6.0	18000-0 E686	355003	M		4320	2 0		F
18 2	D,F	SGT-FU-1B+ CONTROL OF HEATER SGT-EHC-1B1	F081 R 572 J.5/6.0	18000-0 E686	355003	M		4320	2 0		F

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
MHP-2 CLASS II EQUIPMENT LIST

DATE 01/12/82 PAGE 225

CONTRACT LV	COMPOSITE NO. EC	EQUIPMENT NO. SAFETY FUNCTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID. AGING	TEST DHE	ANL. C	F70 HOURS	C	FREQ. ACCURACY	TH. HL	USE
		EQUIPMENT DESCRIPTION	DRAWING									
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B16	F081	18000-0		355003						F
		CONTROL OF HEATER SGT-EHC-1B1	R 572 J.5/6.0	E686				4320		2 0		
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B17	F081	18000-0		355003						F
		CONTROL OF HEATER SGT-EHC-1B1	R 572 J.5/6.0	E686				4320		2 0		
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B18	F081	18000-0		355003						F
		CONTROL OF HEATER SGT-EHC-1B1	R 572 J.5/6.0	E686				4320		2 0		
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B12	F081	18000-0		355003						F
		CONTROL OF STAGE 1 OF SGT-EHC-1B1	R 572 J.5/6.0	E686				4320		2 0		
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B13	F081	18000-0		355003						F
		CONTROL OF STAGE 1 OF SGT-EHC-1B1	R 572 J.5/6.0	E686				4320		2 0		
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B14	F081	18000-0		355003						F
		CONTROL OF STAGE 2 OF SGT-EHC-1B1	R 572 J.5/6.0	E686				4320		2 0		
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B15	F081	18000-0		355003						F
		CONTROL OF STAGE 2 OF SGT-EHC-1B1	R 572 J.5/6.0	E686				4320		2 0		
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B16	F081	18000-0		355003						F
		CONTROL OF STAGE 2 OF SGT-EHC-1B1	R 572 J.5/6.0	E686				4320		2 0		
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B17	F081	18000-0		355003						F
		CONTROL OF STAGE 3 OF SGT-EHC-1B1	R 572 J.5/6.0	E686				4320		2 0		
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B18	F081	18000-0		355003						F
		CONTROL OF STAGE 3 OF SGT-EHC-1B1	R 572 J.5/6.0	E686				4320		2 0		
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B19	F081	18000-0		355003						F
		CONTROL OF STAGE 3 OF SGT-EHC-1B1	R 572 J.5/6.0	E686				4320		2 0		
18	2 D,F	SGT-FU-1B+ SGT-TS-EH1B21	F081	18000-0		355003						F
		CONTROL OF STAGE 1 OF SGT-EHC-1B2	R 572 J.2/6.0	E686				4320		2 0		

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 226

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	WFO	WFO MODEL NO. PLANT LOCATION	ROOM	QID	TEST DRAWING	ANL ONE	F/O HOURS	C ACCURACY	FREQ	TM	HL
18 2	D,F	SGT-FU-1B+ CONTROL OF STAGE 1 OF SGT-EHC-1B2	F081	18000-0			355003		4320	2 0			F
18 2	D,F	SGT-FU-1B+ CONTROL OF HEATER SGT-EHC-1B2	F081	18000-0			355003		4320	2 0			F
18 2	D,F	SGT-FU-1B+ CONTROL OF HEATER SGT-EHC-1B2	F081	18000-0			355003		4320	2 0			F
18 2	D,F	SGT-FU-1B+ CONTROL OF HEATER SGT-EHC-1B2	F081	18000-0			355003		4320	2 0			F
18 2	D,F	SGT-FU-1B+ CONTROL OF HEATER SGT-EHC-1B2	F081	18000-0			355003		4320	2 0			F
18 2	D,F	SGT-FU-1B+ CONTROL OF HEATER SGT-EHC-1B2	F081	18000-0			355003		4320	2 0			F
18 2	D,F	SGT-FU-1B+ CONTROL OF HEATER SGT-EHC-1B2	F081	18000-0			355003		4320	2 0			F
18 2	D,F	SGT-FU-1B+ CONTROL OF HEATER SGT-EHC-1B2	F081	18000-0			355003		4320	2 0			F
18 2	D,F	SGT-FU-1B+ CONTROL OF HEATER SGT-EHC-1B2	F081	18000-0			355003		4320	2 0			F
18 2	D,F	SGT-FU-1B+ CONTROL OF STAGE 1 OF SGT-EHC-1B2	F081	18000-0			355003		4320	2 0			F
18 2	D,F	SGT-FU-1B+ CONTROL OF STAGE 2 OF SGT-EHC-1B2	F081	18000-0			355003		4320	2 0			F
18 2	D,F	SGT-FU-1B+ CONTROL OF STAGE 2 OF SGT-EHC-1B2	F081	18000-0			355003		4320	2 0			F

Heavy Equipment Form, Inc. 11

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WHP-2 CLASS EQUIPMENT LIST

DATE 01/12/02 PAGE 227

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. DRAWING	QID REV.	TEST DTE	ARL C	F/O HOURS	FREQ ACCURACY	TH HL
18 2 D,F	SGT-FU-1B+	SGT-TS-EH1B26 CONTROL OF STAGE 2 OF SGT-EHC-1B2	F081 R 572 J42/6.8	1A000-0 E686	355003			4320 2.0		F
18 2 D,F	SGT-FU-1B+	SGT-TS-EH1B27 CONTROL OF STAGE 3 OF SGT-EHC-1B2	F081 R 572 J42/6.8	1A000-0 E686	355003			4320 2.0		F
18 2 D,F	SGT-FU-1B+	SGT-TS-EH1B28 CONTROL OF STAGE 3 OF SGT-EHC-1B2	F081 R 572 J42/6.8	1A000-0 E686	355003			4320 2.0		F
18 2 D,F	SGT-FU-1B+	SGT-TS-EH1B29 CONTROL OF STAGE 3 OF SGT-EHC-1B2	F081 R 572 J.2/6.8	1A000-0 E686	355003			4320 2.0		F
18 3 F	SGT-FU-1A+	SGT-TS-6A1 SGT-CF-1A-1 TEMP. LOC-AL-	K120 R 572 H8/5.5	CSD-3(A) M544 H11	355006	R608 NM		4320 2.0		F
18 3 F	SGT-FU-1B+	SGT-TS-6B1 SGT-CF-1B-1 TEMP. LOC-AL-	K120 R 572 J42/6.8	CSD-3(A) M544 C11	355006	R607 NM		4320 2.0		F
18 3 F	SGT-FU-1A+	SGT-TS-7A1 SGT-CF-1A-2 TEMP. -	K120 R 572 H8/5.5	CSD-3(A) M544 H9	355006	R608 NM		4320 2.0		F
18 3 F	SGT-FU-1B+	SGT-TS-7B1 SGT-CF-1B-2 TEMP. -	K120 R 572 J42/6.8	CSD-3(A) M544 C9	355006	R607 NM		4320 2.0		F
18 3 F	SGT-FU-1A+	SGT-TS-8A1 SGT-FU-1A TEMP. AFTER SGT-FL-1A:LO	K120 R 572 H8/5.5	CSD-3(A) M544 H12	355006	R607 NM		4320 2.0		F
18 3 F	SGT-FU-1B+	SGT-TS-8B1 SGT-FU-1B TEMP. AFTER SGT-FL-1B LO	K120 R 572 J42/6.8	CSD-3(A) M544 C12	355006	R607 NM		4320 2.0		F
02C41 2 A	SLC-TK-1+	SLC-EHC-2 MAINTAINING HEATER FOR SLC-TK-1	6080 R 548 M5/3.8	2043363 M522 H03	109009	R		24 1.3		
02C41 2 A	SLC-TK-1+	SLC-EHC-3 MIXING HEATER FOR SLC-TK-1	6080 R 548 M5/3.8	209070140 M522 H03	109010	NR		0.0 24 1.3		N

Adams Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 UWP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 228

CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QTY.	TEST	ANL.	F70	C.	FREQ.	TM.	HL.
LV	SAFETY FUNCTION	PLANT LOCATION	ROOM	WS	AGING	DBE	C	HOURS	ACCURACY	USE		
EQ	EQUIPMENT DESCRIPTION	DRAWING										
02C41 2	A SLC-P-1A	SLC-M-1A	G080	5K324AK2120/324T	213030							
	40HP/52A MOTOR FOR SLC-P-1A		R 530 3667M.2	M522 F8				24		1 0		
02C41 2	A SLC-P-1B	SLC-M-1B	G080	5K324AK2120/324T	213030							
	40HP/52A MOTOR FOR SLC-P-1B		R 530 3667M.2	M522 D6				24		1 0		
418 2	A SLC-V-1A	SLC-MO-1A	L200	SRB-000-5/K46	221008	1 4	0.0			35		N
	.33HP .95A MOTOR OPER. SLC-V-1A		R 552 3667M.2	M522 E4				24		1 0		
418 2	A SLC-V-1B	SLC-MO-1B	L200	SRB-000-5/K46	221008							
	.33HP .95A MOTOR OPER. SLC-V-1B		R 552 3667M.2	M522 D6				24		1 0		
02 2	A SLC-PT-4		G080	556110EAAA1WEM	259002	1 4	0.0			00		N
	SLC PUMP DISCHARGE PRESSURE TRANSM		R 553 M.0/345	M522 G8				4320		1 3		
02 3	A SLC-RMS-52		G080	CR2948								
	SLC HEATER SWITCH		R 548 M.0/347	807E161TC				24		4 3		
215 2	A SLC-TK-1	SLC-TF-6	F080	40-104044-103	339010							
	SLC STORAGE TANK TEMPERATURE		R 548 M.7/346	M522 H3				4320		2 3		
02 2	A SLC-TK-1	SLC-TIC-2	F080	40-104044-103	341004							
	SLC TEMP. CONTROLLER		R 548 M.0/345	M522 H3				24		1 3		
02 2	A SLC-TK-1	SLC-TS-3	F080	40-104044-103								
	SLC TEMP. SWITCH		R 548 M.0/345	M522 H3				4320		2 3		
02C41 2	A SLC-V-4A	SLC-V-4A	C515	1832159								
	SLC EXPLOSIVE ACT. INLET TO PRIMARY		R 548 M.2/3.7	M522 F8				4320		1 0		
02C41 2	A SLC-V-4B	SLC-V-4B	C515	1832159								
	SLC EXPLOSIVE ACT. INLET TO PRIMARY		R 548 M.2/3.8	M522 D8				4320		1 0		
218 2	I SPTH-TE-1A		H329	TC-113X-T-A-24-3	339002							
	SUPPRESSION POOL TEMP		C 466 SUPP POOL	M519 D6				24		1 0		

Alford Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WWP-2 CLASS EQUIPMENT LIST

DATE 01/12/82 PAGE 229

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG. MODEL NO. ROOM	QID AGE	TEST DRE	ANL C.Y.	F/O HOURS	C USE	FREQ ACCURACY	TN HL
218	EC	SPTH-TE-18	H329	TC-113X-T-A-24-3	339002						
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	M519 D6	DD			24		1.0	
218		SPTH-TE-10	H329	TC-113X-T-A-24-3	339002						
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 448 SUPP POOL	M519 B4	DD			24		1.0	
218		SPTH-TE-11	H329	TC-113X-T-A-24-3	339002						
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 448 SUPP POOL	M519 B5	DD			24		1.0	
218		SPTH-TE-12	H329	TC-113X-T-A-24-3	339002						
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 447 SUPP POOL	M519 B4	DD			24		1.0	
218		SPTH-TE-13	H329	TC-113X-T-A-24-3	339002						
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 447 SUPP POOL	M519 B4	DD			24		1.0	
218		SPTH-TE-14	H329	TC-113X-T-A-24-3	339002						
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 447 SUPP POOL	M519 B3	DD			24		1.0	
218		SPTH-TE-15	H329	TC-113X-T-A-24-3	339002						
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 447 SUPP POOL	M519 B3	DD			24		1.0	
218		SPTH-TE-16	H329	TC-113X-T-A-24-3	339002						
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 447 SUPP POOL	M519 B2	DD			24		1.0	
218		SPTH-TE-2A	H329	TC-113X-T-A-24-3	339002						
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	M519 D5	DD			24		1.0	
218		SPTH-TE-2B	H329	TC-113X-T-A-24-3	339002						
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	M519 D5	DD			24		1.0	
218		SPTH-TE-3A	H329	TC-113X-T-A-24-3	339002						
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	M519 D3	DD			24		1.0	
218		SPTH-TE-3B	H329	TC-113X-T-A-24-3	339002						
3	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	M519 D3	DD			24		1.0	

Murray Business Forms, Inc. 17

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 WPP-2 CLASS I/E EQUIPMENT LIST

DATE 01/12/82 PAGE 230

CONTRACT NO.	COMPOSITE NO.	EQUIPMENT NO.	WPP-2 CLASS I/E	WPP MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HU
LV	SAFETY FUNCTION	PLANT LOCATION	WPP-2 CLASS I/E	WPP MODEL NO.	QID	TEST	ANL	F/O	C	FREQ	TH	HU
EC	EQUIPMENT DESCRIPTION	DRAWING						HOURS	ACCURACY			
												USE
218		SPTH-TE-4A	H329	TC-113X-T-A-24-3	339002							
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519 D4	DD			24				1 0
218		SPTH-TE-4B	H329	TC-113X-T-A-24-3	339002							
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519 D4	DD			24				1 0
218		SPTH-TE-5A	H329	TC-113X-T-A-24-3	339002							
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519 D5	DD			24				1 0
218		SPTH-TE-5B	H329	TC-113X-T-A-24-3	339002							
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519 D5	DD			24				1 0
218		SPTH-TE-6A	H329	TC-113X-T-A-24-3	339002							
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519 D4	DD			24				1 0
218		SPTH-TE-6B	H329	TC-113X-T-A-24-3	339002							
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519 D4	DD			24				1 0
218		SPTH-TE-7A	H329	TC-113X-T-A-24-3	339002							
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519 D2	DD			24				1 0
218		SPTH-TE-7B	H329	TC-113X-T-A-24-3	339002							
3	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519 D2	DD			24				1 0
218		SPTH-TE-8A	H329	TC-113X-T-A-24-3	339002							
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519 D4	DD			24				1 0
218		SPTH-TE-8B	H329	TC-113X-T-A-24-3	339002							
2	I	SUPPRESSION POOL TEMP	C 466 SUPP POOL	H519 D4	DD			24				1 0
218		SPTH-TE-9	H329	TC-113X-T-A-24-3	339002							
2	I	SUPPRESSION POOL TEMP, OPER INFO	C 447 SUPP POOL	H519 B5	DD			24				1 0
2	A	SRM-DET-1A	G080	IN RPV				4320				
				807E162TC								1 3

Morgue Products Form, Inc. 11

WASHINGTON POWER SUPPLY SYSTEM
 WNP-2 CLASSIFICATION EQUIPMENT LIST

DATE: 01/12/82 PAGE: 231

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT	MFG. MODEL NO. LOCATION	ROOM	QTY	TEST OBS	ANL C	E70 HOURS	FREQ ACCURACY	IN HL
EC				DRAWING						USE	
2	A	SRM-DET-1B	6080	807E162TC					4320	1 3	
2	A	SRM-DET-1C	6080	807E162TC					4320	1 3	
2	A	SRM-DET-1D	6080	807E162TC					4320	1 3	
02	E-IR-P01B	SW-FI-7A					1 4	0.0		33+	N
3	I	FLOW TRANSMITTER	R 501 J.8/3.6	M524 011	AR				4320	1 3	
02	E-IR-P021	SW-FI-7B	6082	50-555111BMAA4WCF			1 4	0.0		33+	N
3	I	FLOW TRANSMITTER	R 501 H.8/7.3	M524 010	AP	156003			4320	1 3	
41A	SW-V-187A+	SW-MO-187A							4320	2 0	
2	6	NO FOR SW-V-187A INTO FPC-HX-1A	R 548	M524 B8	NB						
41A	SW-V-187B+	SW-MO-187B							4320	2 0	
2	6	SW-V-187B NO SW INTO FPC-HX-1B	R 548	M524 B6	NB						
41A	SW-V-188A+	SW-MO-188A							4320	2 0	
2	6	SW-V-188A NO SW OUT OF FPC-HX-1A	R 548	M524 B8	NB						
41A	SW-V-188B+	SW-MO-188B							4320	2 0	
2	6	SW-V-188B NO SW OUT OF FPC-HX-1B	R 548	M524 B7	NB						
215	SW-V-24A+	SW-MO-24A	L200	SMC-04-5/42		221010	1 4	0.0		33	N
2	C,E,J	0.32HP MOTOR OPERATOR SW-V-24A	R 448 K.6/8.0	M524 012	R116 RA				4320	1 3	
215	SW-V-24B+	SW-MO-24B	L200	SMC-04-5/42		221010	1 4	0.0		33	N
2	C,E,J	0.32HP MOTOR OPERATOR SW-V-24B	R 450 L8/8.3	M524 010	R115 RA				4320	1 3	
215	SW-V-24C+	SW-MO-24C	L200	SMC-04-5/42		221010	1 4	0.0		33	N
2	C,E,J	0.32HP MOTOR OPERATOR SW-V-24C	R 450 H.7/9.4	M524 013	R113 RA				4320	1 3	

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
 NNP-2 CLASS 1E EQUIPMENT LIST

DATE 01/12/82 PAGE 252

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO.	MFG.	MFG. MODEL NO.	QID	TEST	ANL	F/D	C	FREQ	TR	HL
EC	EQUIPMENT DESCRIPTION	DRAWING	PLANT LOCATION	ROOM	OS	ASXNG	DBE	CC	HOURS	ACCURACY		
										USE		
215 2 C1J	SW-V-44+ 0.5HP MOTOR OPERATOR SW-V-44	SW-MQ-44	L200 R 455 K6/9/89	SMC-04-5/42 M524 D9	221010			4320		33		N
215 2 J	SW-V-54+ 0.5HP MOTOR OPERATOR SW-V-54	SW-MQ-54	L200 R 450 M9/400	SMC-04-5/42 M524 D9	221016			4320		1 0		
215 2 F	SW-V-75A+ MOTOR OPERATOR FOR SW-V-75A	SW-MQ-75A	L200 R 422 J/9/84	SMC-04-5/42 M524 G11				4320		1 0		
215 2 F	SW-V-75B+ MOTOR OPERATOR FOR SW-V-75B	SW-MQ-75B	L200 R 522 M6/9/84	SMC-04-5/42 M524 G10				4320		1 0		P
220 2 F	SW-PS-1014 SUPPLY TO H2-02 ANALY SW-V-754	SW-PS-1014	A499 R 548	SC11AR/T010A44R M607/2 C15	256001	1 4	0.0	4320		50		N
220 2 F	SW-PS-1015 SUPPLY TO H2-02-ANALY SW-V-755	SW-PS-1015	A499 R 548	SC11AR/T010A44R M607/2 B15	256001	1 4	0.0	4320		50		N
02D17 2 F+I	S-SR-42+ SW DISCH FROM RHR-HX-1B	SW-RE-4	G080 R 522 K6/9/85	117B16816001 M524 G11	277004			4320		1 3		
02D17 2 F+I	S-SR-43+ SW DISCH FROM RHR-HX-1A	SW-RE-5	G080 R 522 N-1/9/85	117B16816001 M524 G10	277004			4320		1 3		
3 C/E/J	SW-RLY-CRV44 CONTROL RELAY FOR SW-V-44	SW-RLY-CRV44	S440 R 522 H-4/811	H E527 SH9				4320		1 3		
02 3 F+I	S-SR-42+ RHR-HX-1A OUTLET RAD TRANSMITTER	SW-RT-1	R 522	M524 G11				4320		1 3		
02 3 F+I	S-SR-43+ RHR-HX-1B OUTLET RAD TRANSMITTER	SW-RT-2	R 522	M524 G10				4320		1 3		
220 2 F	SW-SV-201	SW-SV-201	M095 R 548	MV229MQ-L2	324004			4320		1 0		
				M607/2 C15								

American Business Forms, Inc. 17

WASHINGTON POWER SUPPLY SYSTEM
 WNP-2 CLASSIFICATION EQUIPMENT LIST

DATE 01/12/82 PAGE 233

CONTRACT LV	COMPOSITE NO. SAFETY FUNCTION	EQUIPMENT NO. EQUIPMENT DESCRIPTION	MFG. PLANT LOCATION	MFG MODEL NO. ROOM	QID QTY	TEST DBE	ANL C	F70 HOURS	C	FREQ ACCURACY	TH	HL
220 2 F		SW-SV-204	R 548	M095 MV229HS-L2	324004	DA		4320		1 0		
				M60772 C15								
220 2 F		SW-SV-206	R 548	M095 MV229HS-L2	324004	DA		4320		1 0		
				M60772 B15								
220 2 F		SW-SV-209	R 548	M095 MV229HS-L2	324004	DA		4320		1 0		
				M60772 B15								
220 2 F		SW-SV-210	R 548	M095 MV229HS-L2	324004	DA		4320		1 0		
				M60772 A12								
220 2 F		SW-SV-211	R 548	M095 MV229RS-L2	324004	DA		4320		1 0		
				M60772 A12								
220 2 F		SW-SV-212	R 548	M095 MV229HS-L2	324004	DA		4320		1 0		
				M60772 B13								
220 2 F		SW-SV-213	R 548	M095 MV229HS-L2	324004	DA		4320		1 0		
				M60772 B13								
215 2 J		SW-V-34	R 460	M325 282232		R		4320		2 1		
		1.5" SOLENOID VLV RCIC PUMP RM		M525 D11								

Moore Business Forms, Inc. LV

Appendix B contains the following information:

- Normal and Abnormal Service Conditions: the normal and abnormal temperature, pressure and humidity for harsh environment areas B.1
- Primary Containment Service Conditions Due to a LOCA/HELB in Primary Containment B.2
- Reactor Building Service Conditions Due to a LOCA/HELB in Primary Containment: the temperature, pressure, humidity and radiation service conditions B.3
- Pressure/Temperature Profiles: the accident profiles due to a LOCA/HELB in containment (Profile 1) and HELB's in the reactor building (Profiles 2 through 30) B.4
- Radiation Zone Maps: the zone maps of the Reactor Building locating the Class 1E equipment and defining the 6-month accident plus 40-year normal radiation dose. B.34



NORMAL AND ABNORMAL SERVICE CONDITIONS

<u>Area</u>	<u>Temperature</u>	<u>Pressure</u>	<u>Humidity</u>
-----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 on Page B.4

Relative Humidity: 100%

Spray: Demineralized Water

Radiation (normal + accident):

- Above core: 3.4×10^7 rad
- Core region: 4.4×10^7 rad
- Under vessel: 2.9×10^7 rad
- Near recirculation lines: 3.4×10^7 rad
- >15 ft. from recirculation lines: 2.7×10^7 rad
- Suppression pool: 2.6×10^7 rad

REACTOR BUILDING SERVICE CONDITIONS DUE TO
A LOCA IN PRIMARY CONTAINMENT

Temperature: 150^oF maximum

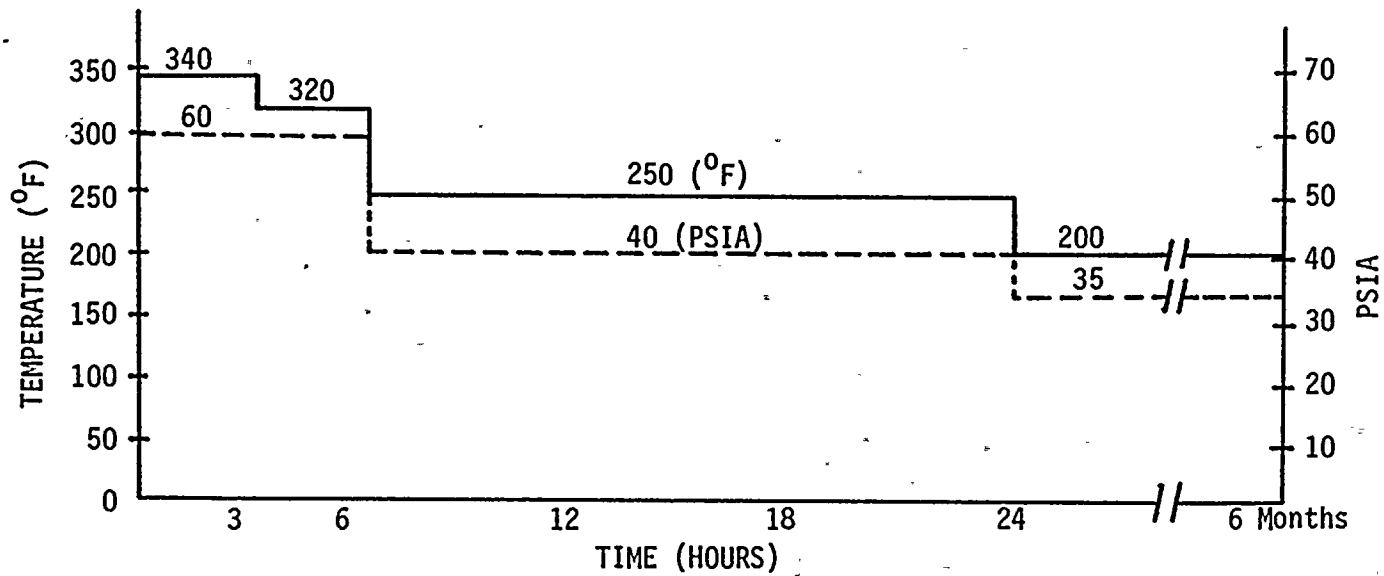
Pressure: 14.7 psia

Relative Humidity: 100%

Note: The humidity condition is currently being reevaluated.

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.

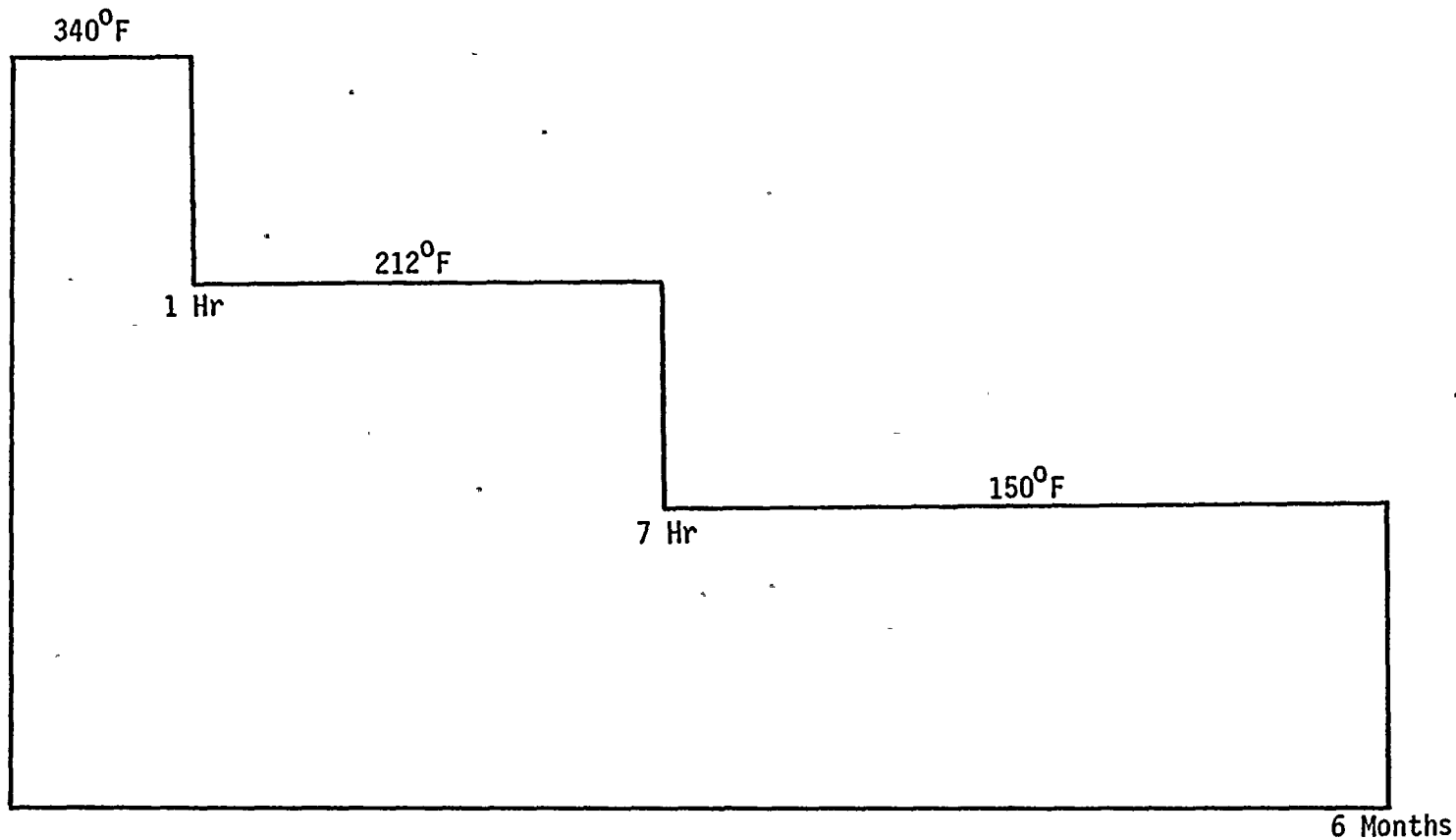
B.4



————— TEMP
----- PSIA

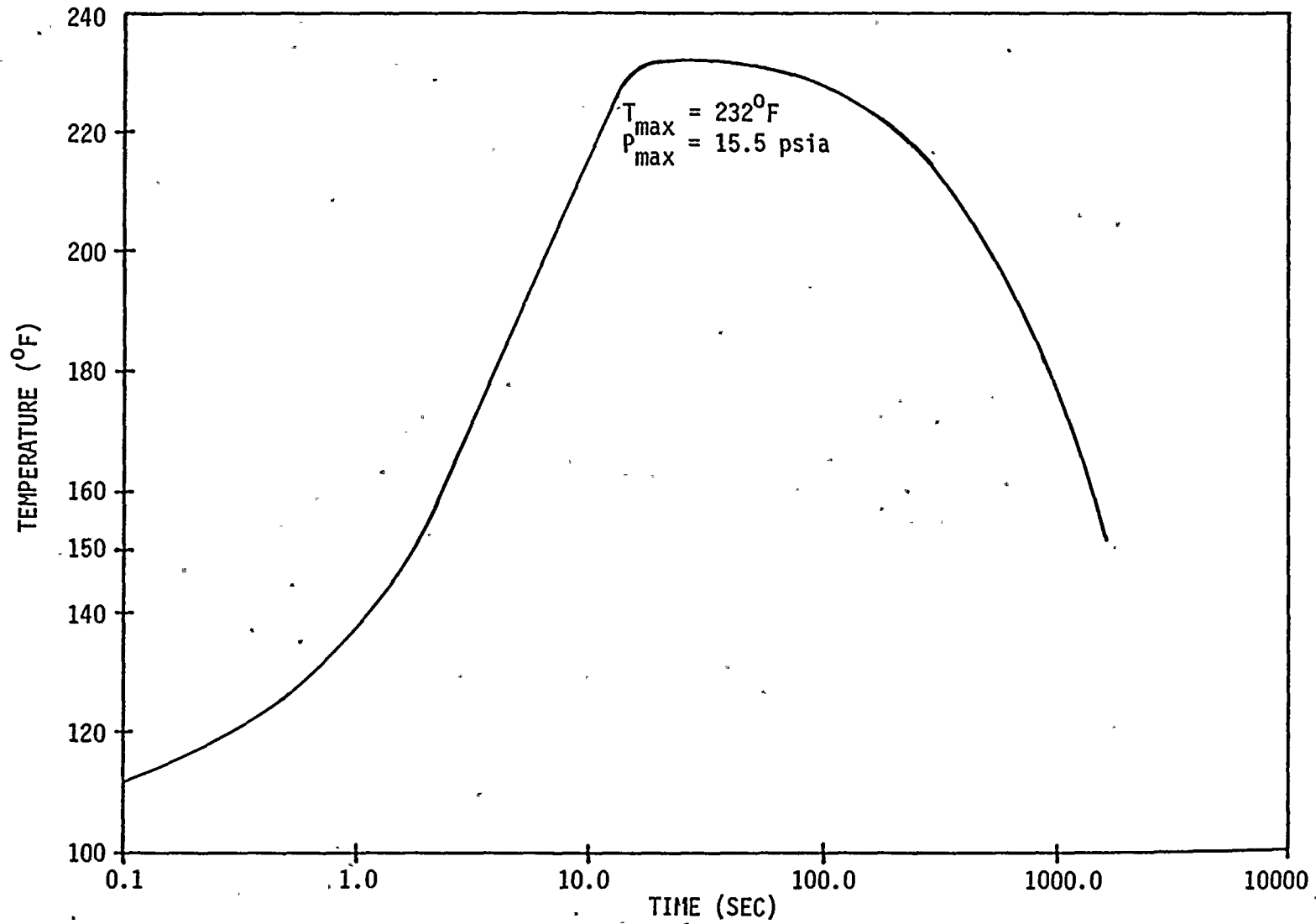
PROFILE 1. LOCA/HELB IN PRIMARY CONTAINMENT.
RESPONSE IN PRIMARY CONTAINMENT.

B.5



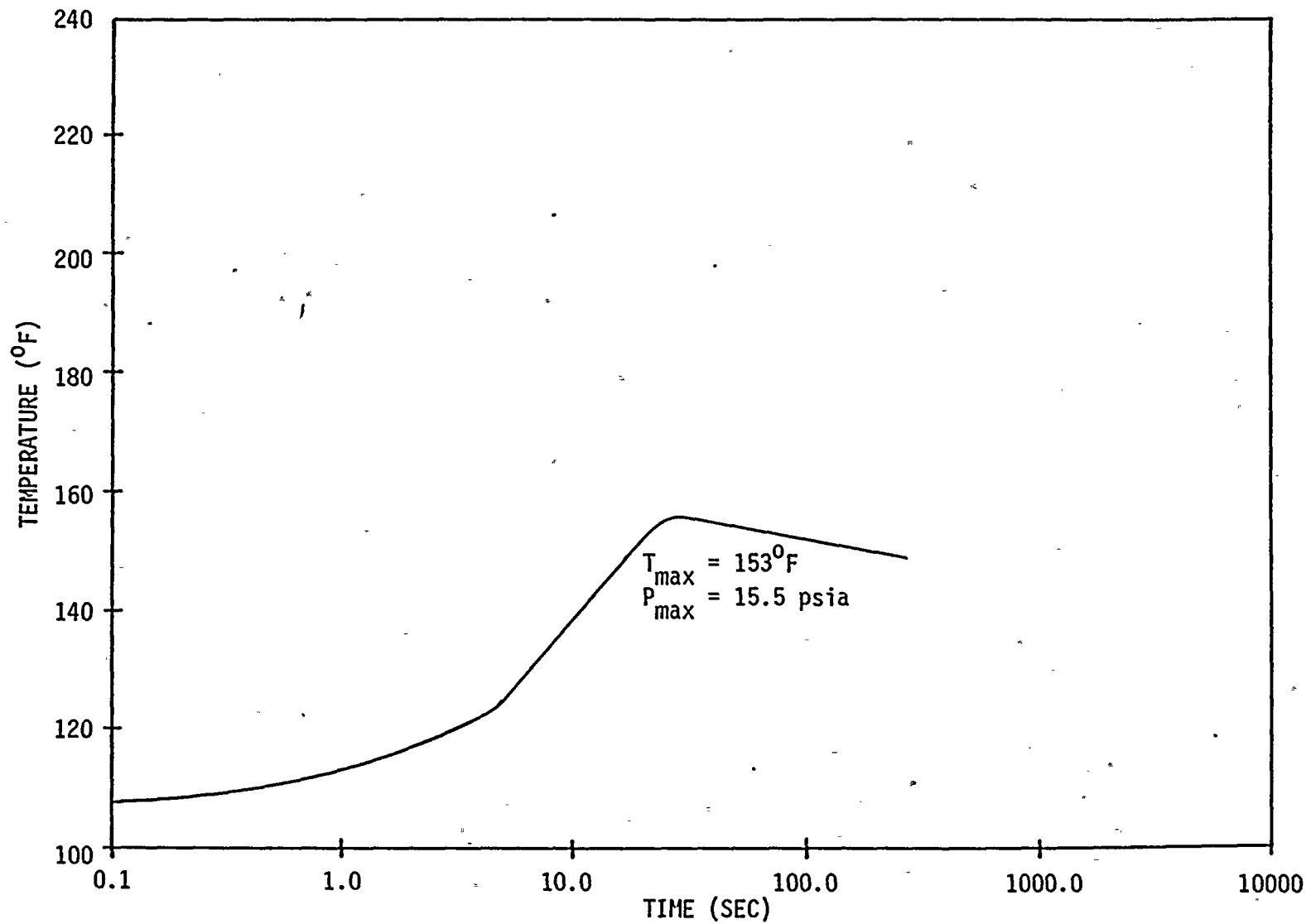
PROFILE 2. MSLB IN STEAM TUNNEL.
RESPONSE IN STEAM TUNNEL.

B.8



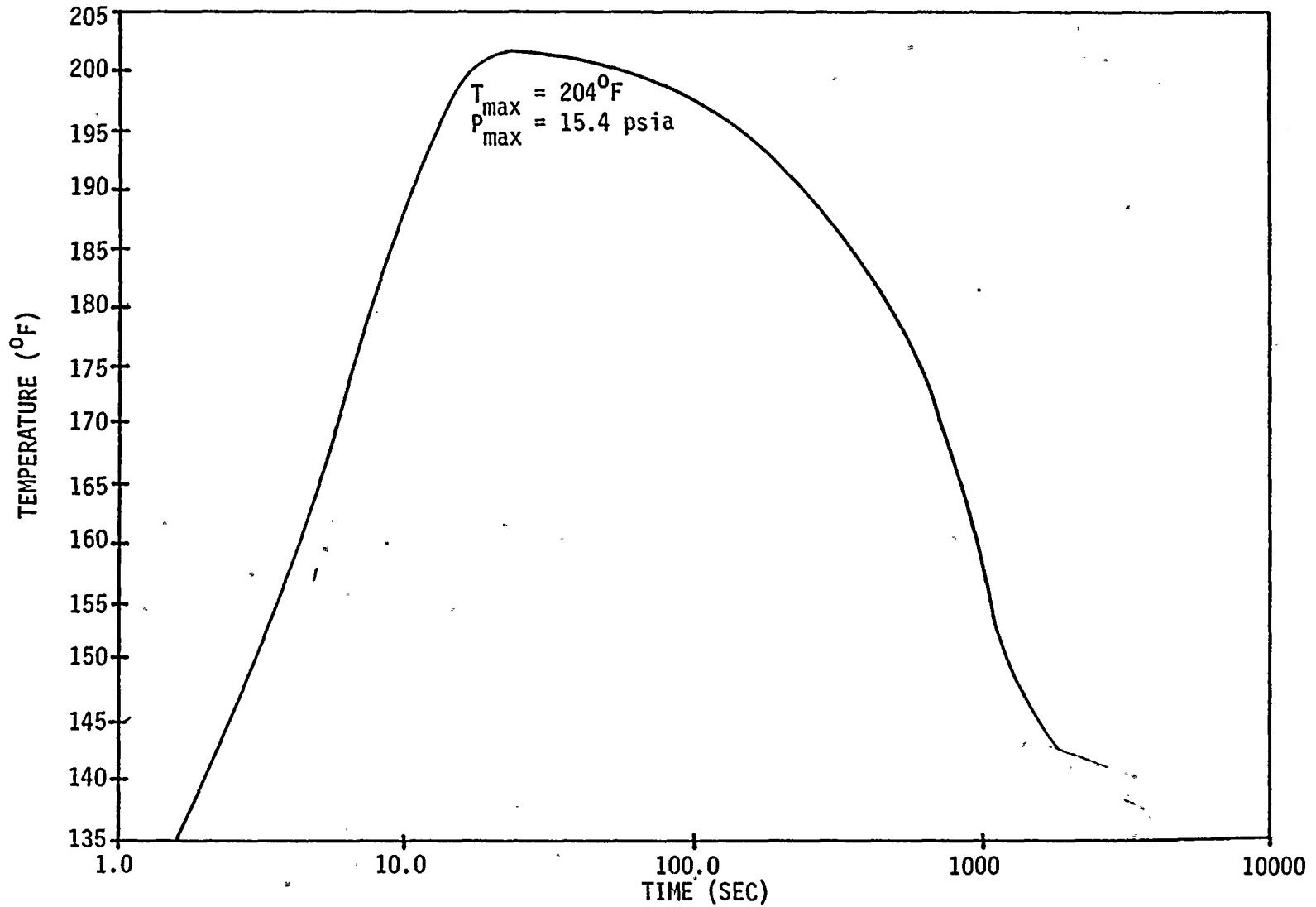
PROFILE 3. 4" RCIC LINE LEAK IN RCIC PUMP ROOM (EL. 422).
RESPONSE IN RCIC PUMP ROOM (EL 422).

B.7



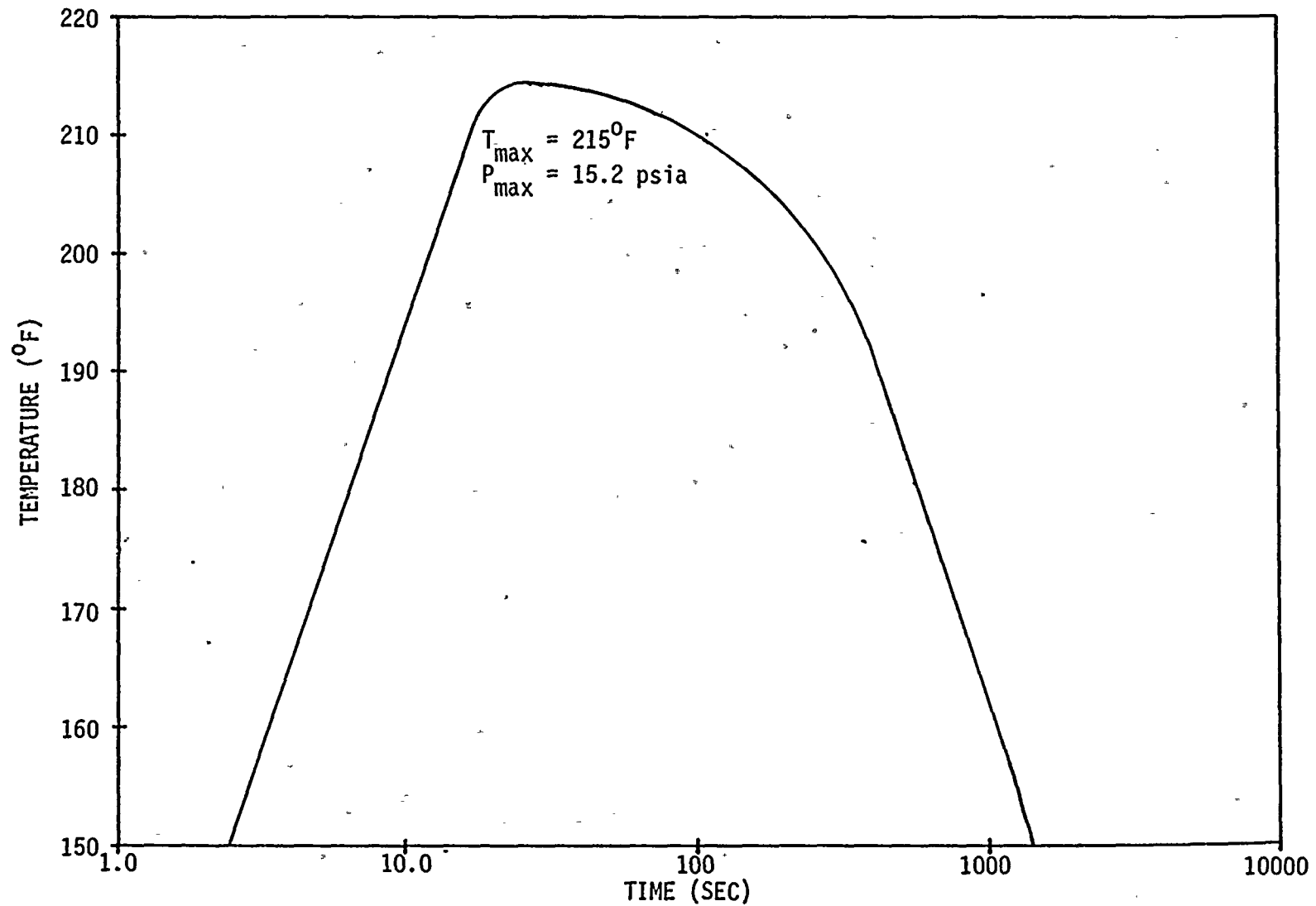
PROFILE 4. 4" RCIC LINE BREAK IN RCIC PUMP ROOM (EL 422).
RESPONSE IN ROOM ABOVE RCIC PUMP ROOM (EL 444).

B.8



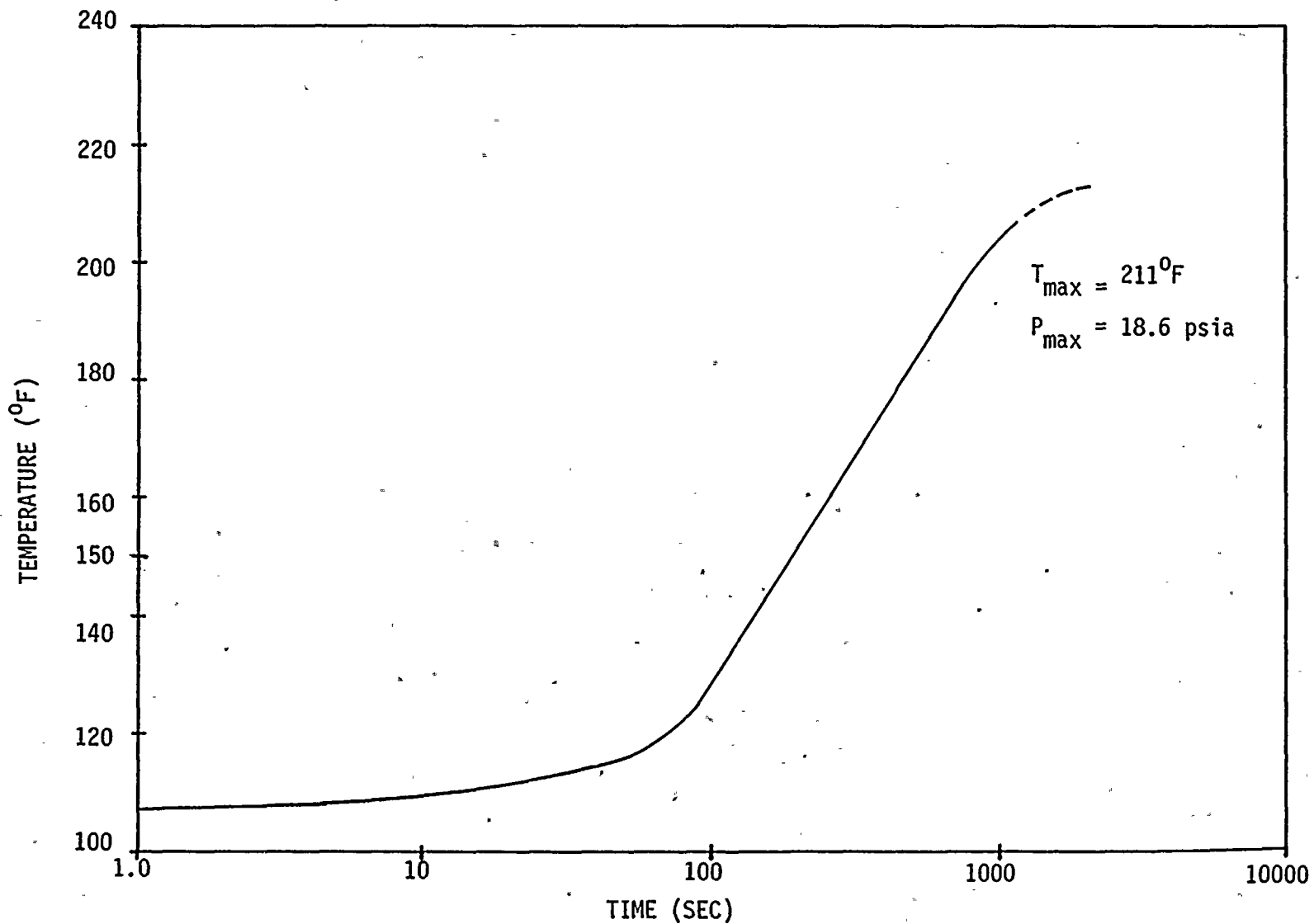
PROFILE 5. BREAK OF 4" RCIC LINE IN ROOM ABOVE RCIC PUMP ROOM (EL 444).
RESPONSE IN THE ROOM ABOVE RCIC PUMP ROOM (EL 444).

B.8



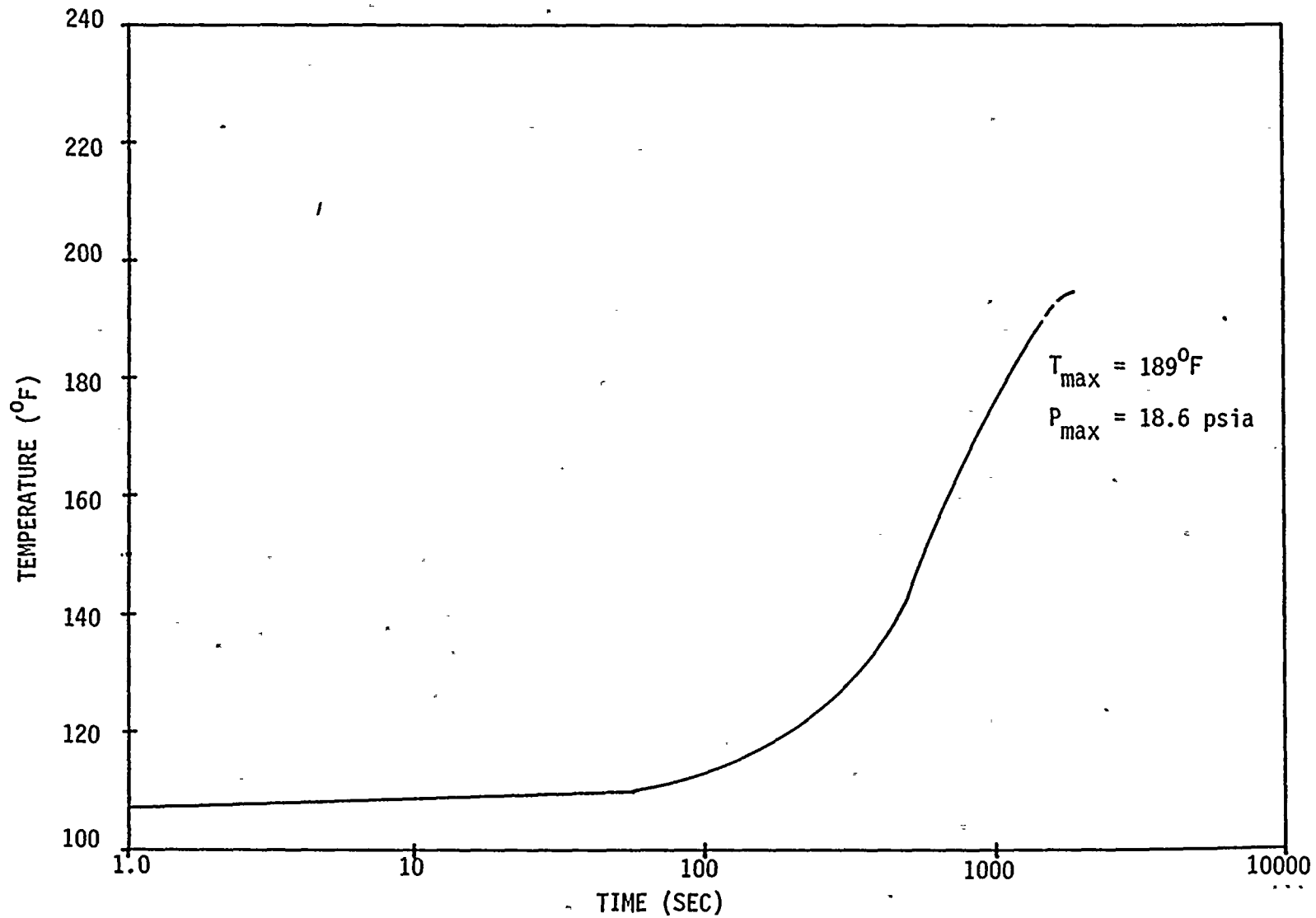
PROFILE 6. BREAK OF 4" RCIC LINE IN ROOM ABOVE RHR PUMP 2C ROOM (EL.444).
RESPONSE IN ROOM ABOVE RHR PUMP 2C ROOM (EL 444).

B.10



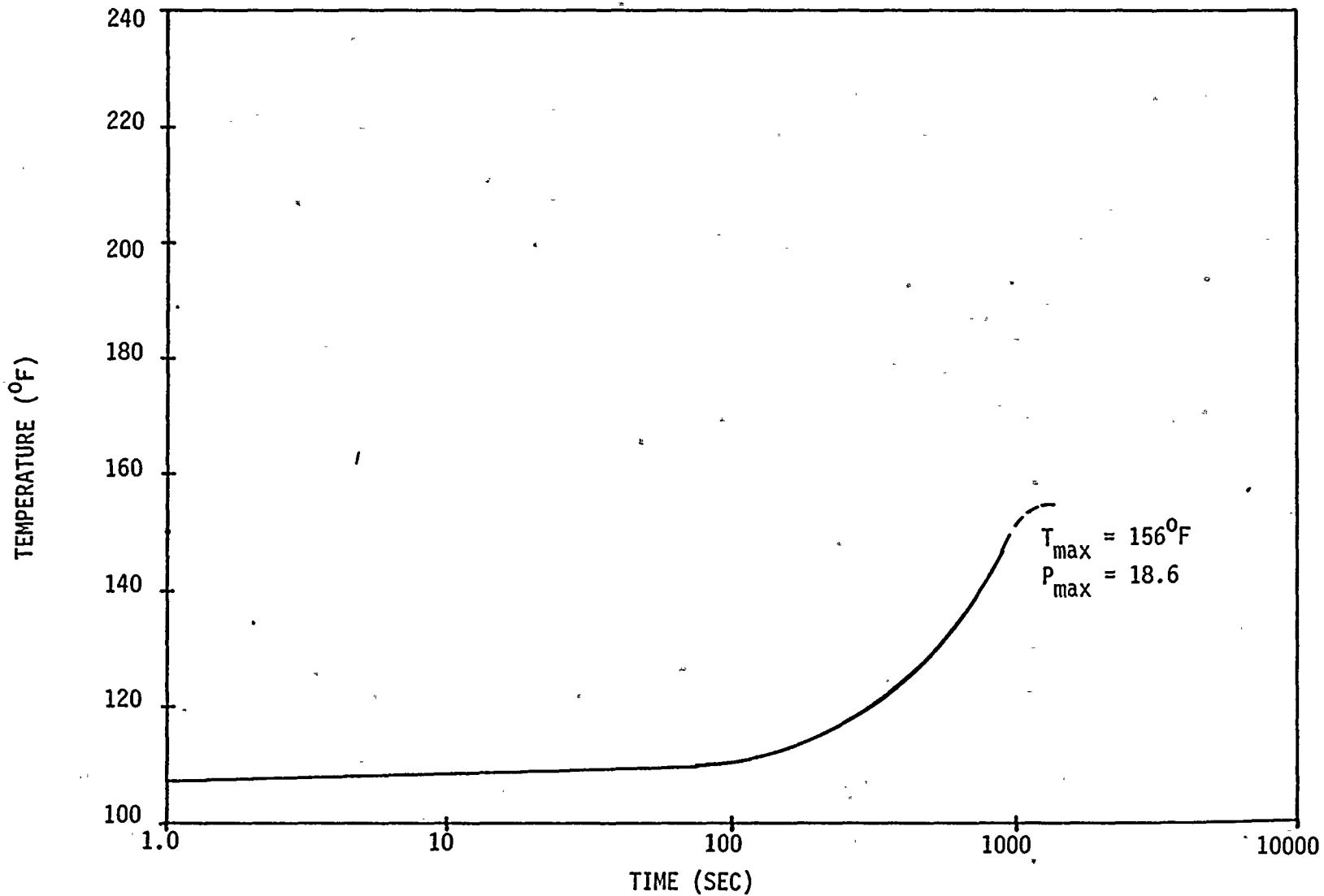
PROFILE 7. 4" LINE BREAK IN THE SOUTH EAST OPEN FLOOR AREA (EL 471).
RESPONSE IN ALL OPEN FLOOR AREA (EL 471).

B.11



PROFILE 8. 4" AS LINE BREAK IN THE SOUTHEAST OPEN FLOOR AREA (EL 471).
RESPONSE IN ALL OPEN FLOOR AREA (EL 501).

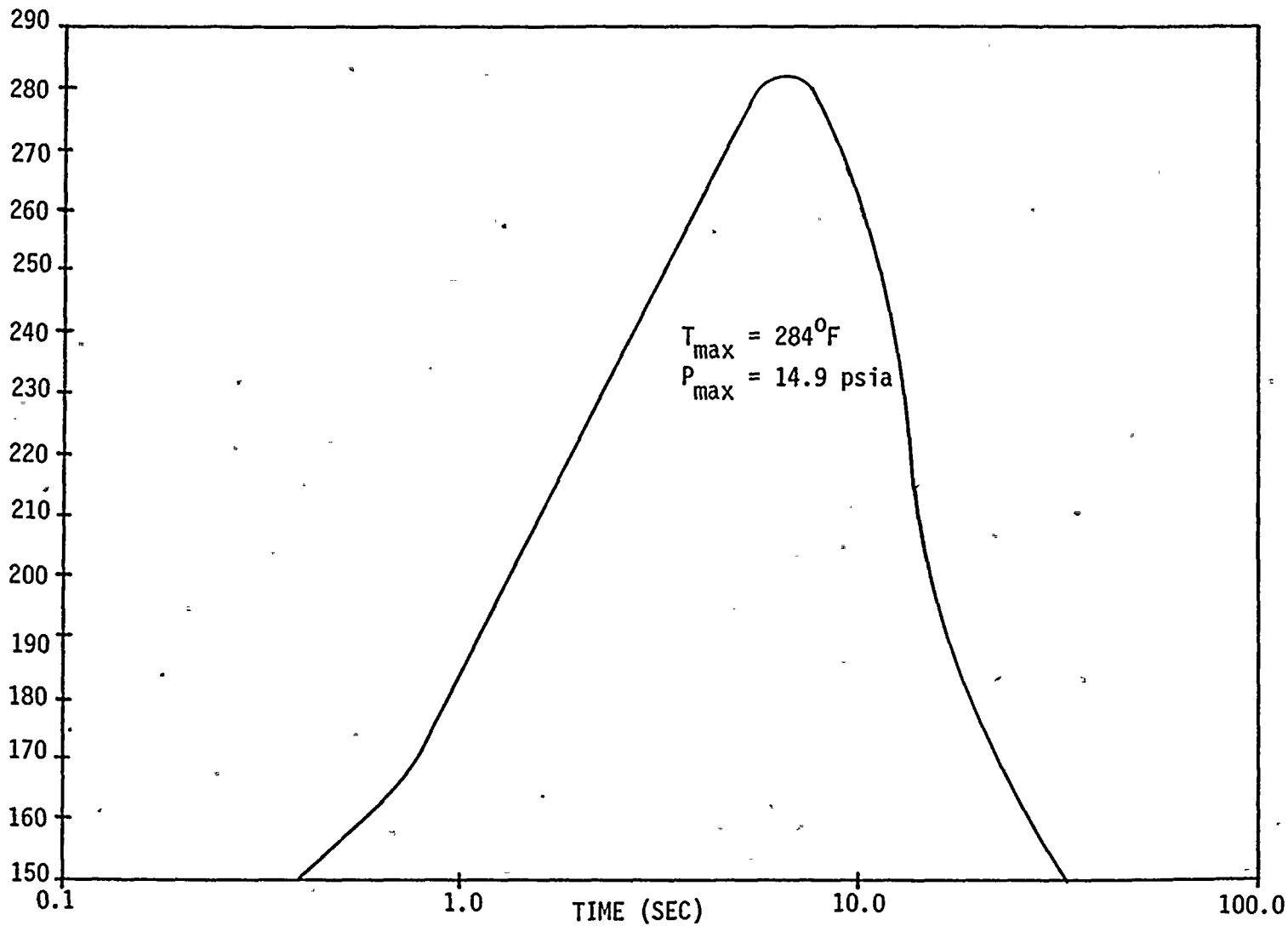
B.12



PROFILE 9. 4" AS LINE BREAK IN THE NEAREST OPEN FLOOR AREA (EL 471).
RESPONSE IN ALL OPEN FLOOR AREA (EL 522).

B.13

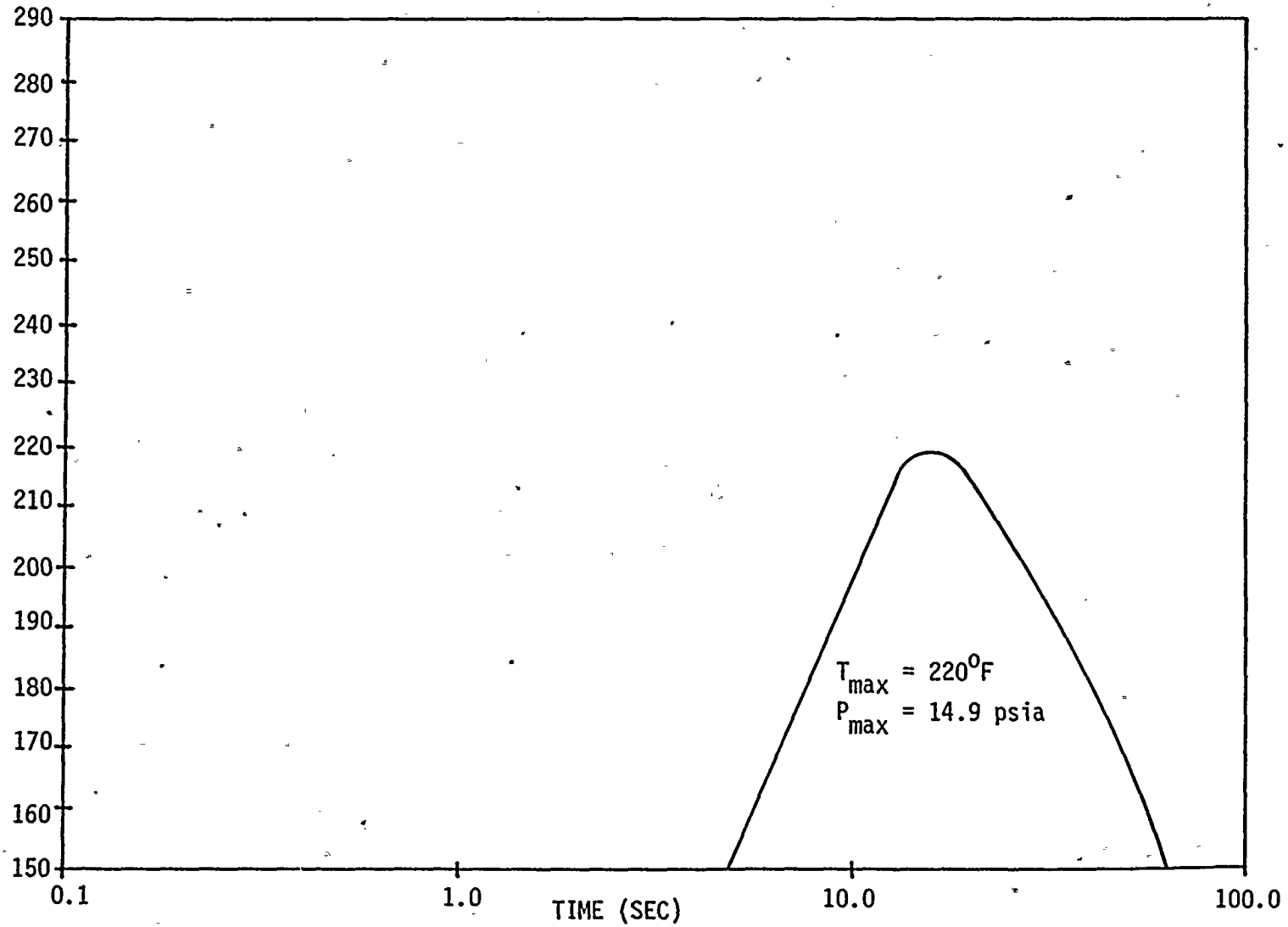
TEMPERATURE (°F)



PROFILE 10. 4" RCIC LINE BREAK IN T.I.P. ROOM (EL 501).
RESPONSE IN T.I.P. ROOM (EL 501).

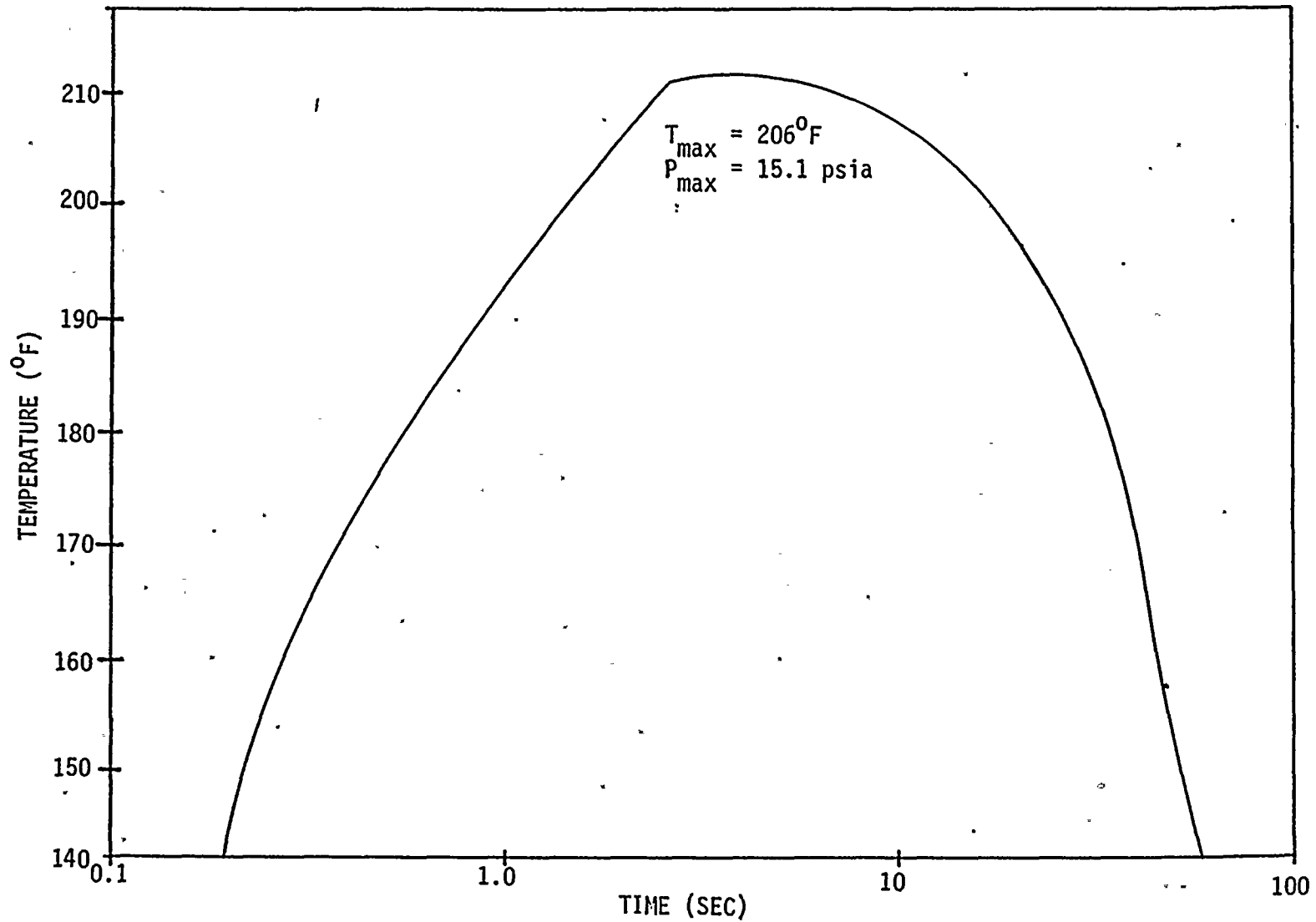
B.14

TEMPERATURE (°F)



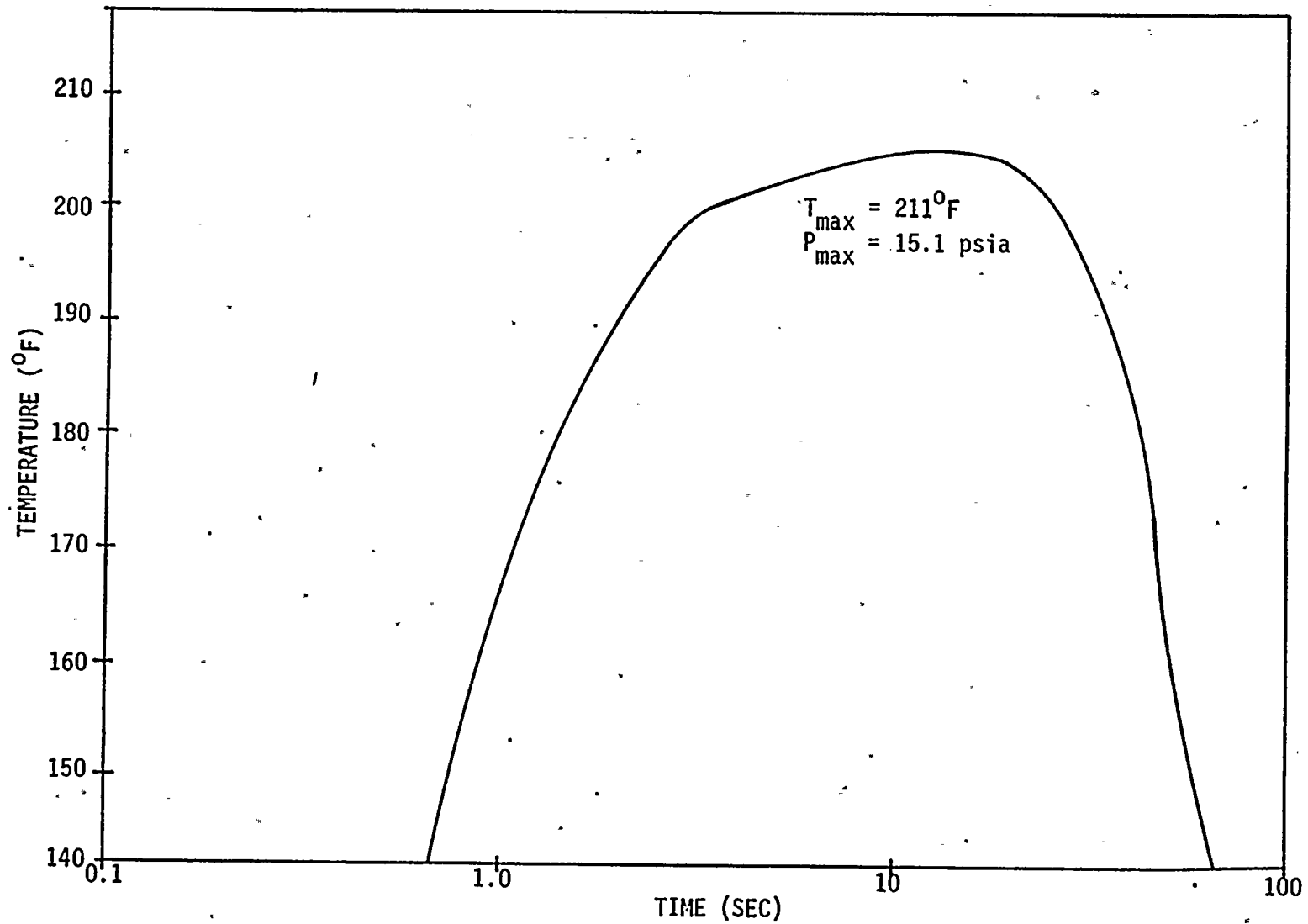
PROFILE 11. 4" RCIC LINE BREAK IN T.I.P. ROOM (EL 501).
RESPONSE IN THE ROOM ABOVE T.I.P. ROOM (EL 510.5).

B.15



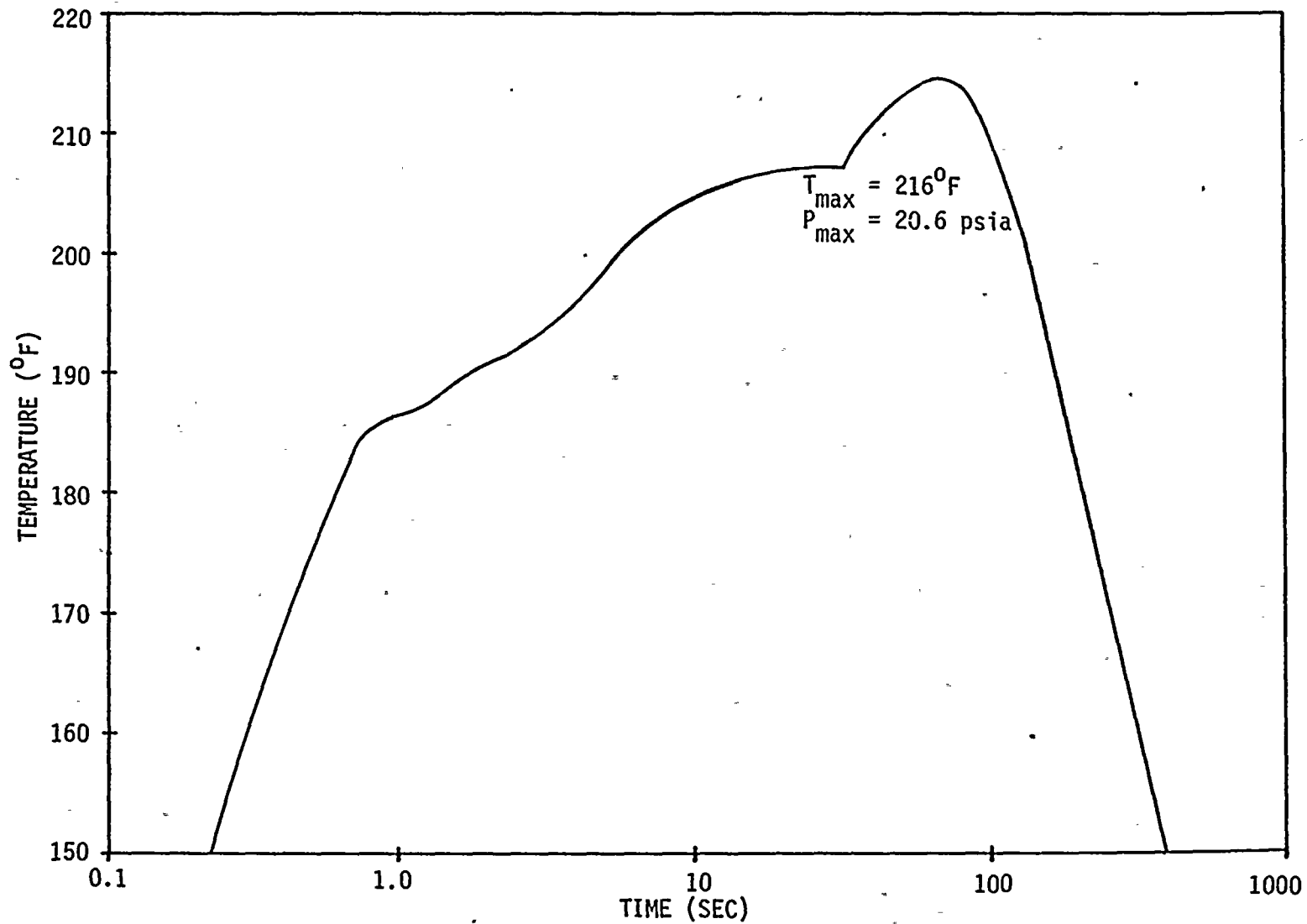
PROFILE 12. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5).
RESPONSE IN T.I.P. ROOM (EL 501).

B.16



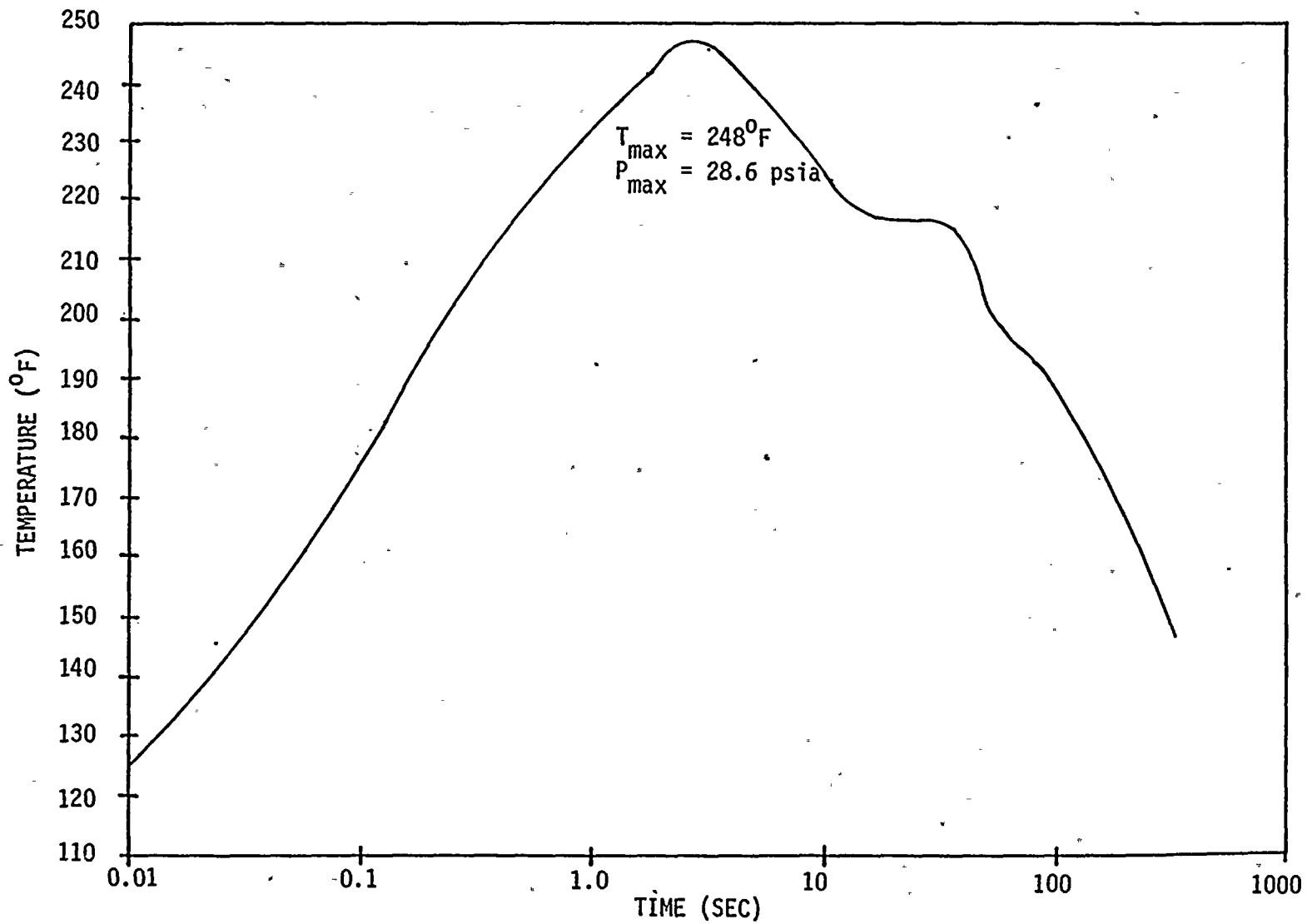
PROFILE 13. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5).
RESPONSE IN VALVE ROOM ABOVE T.I.P. ROOM (EL 510.5).

B.17



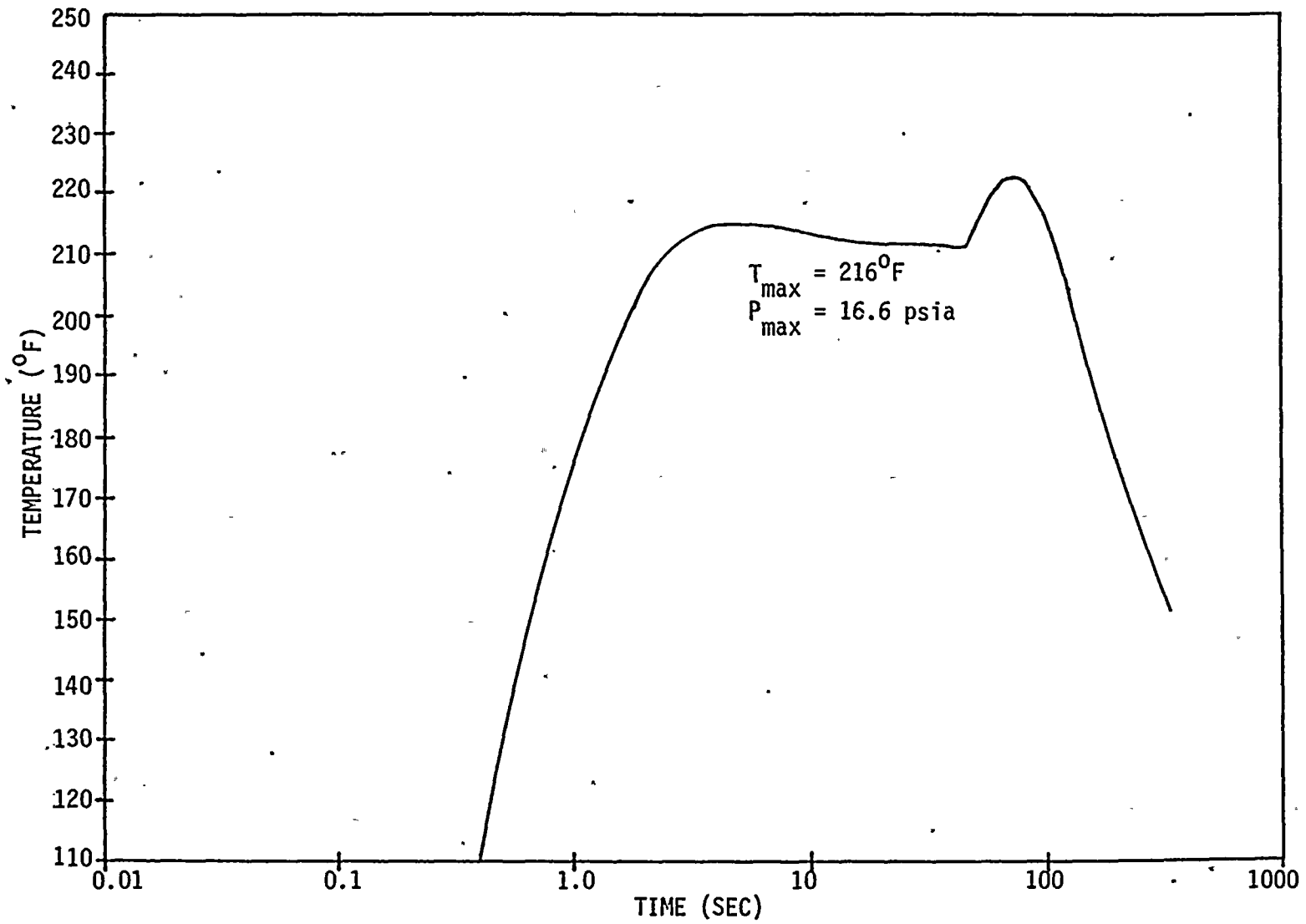
PROFILE 14. 6" RWCU LINE BREAK IN THE VALVE ROOM NORTH OF CONTAINMENT (EL 522).
RESPONSE IN THE VALVE ROOM NORTH OF CONTAINMENT (EL 522).

81.8



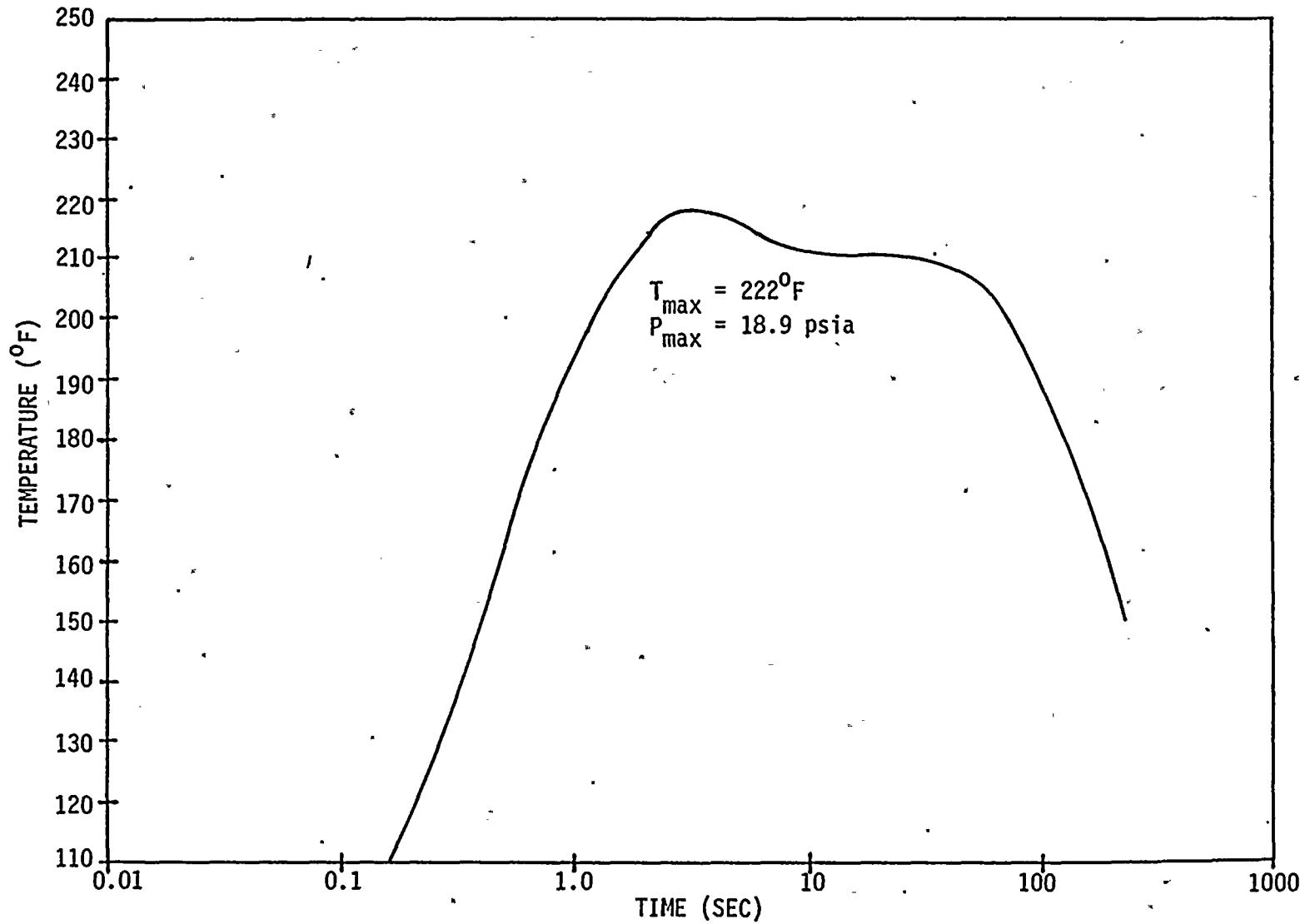
PROFILE 15. 4" RWCU LINE IN RWCU PUMP ROOMS (EL 522).
RESPONSE IN RWCU PUMP ROOMS (EL 522).

B.19



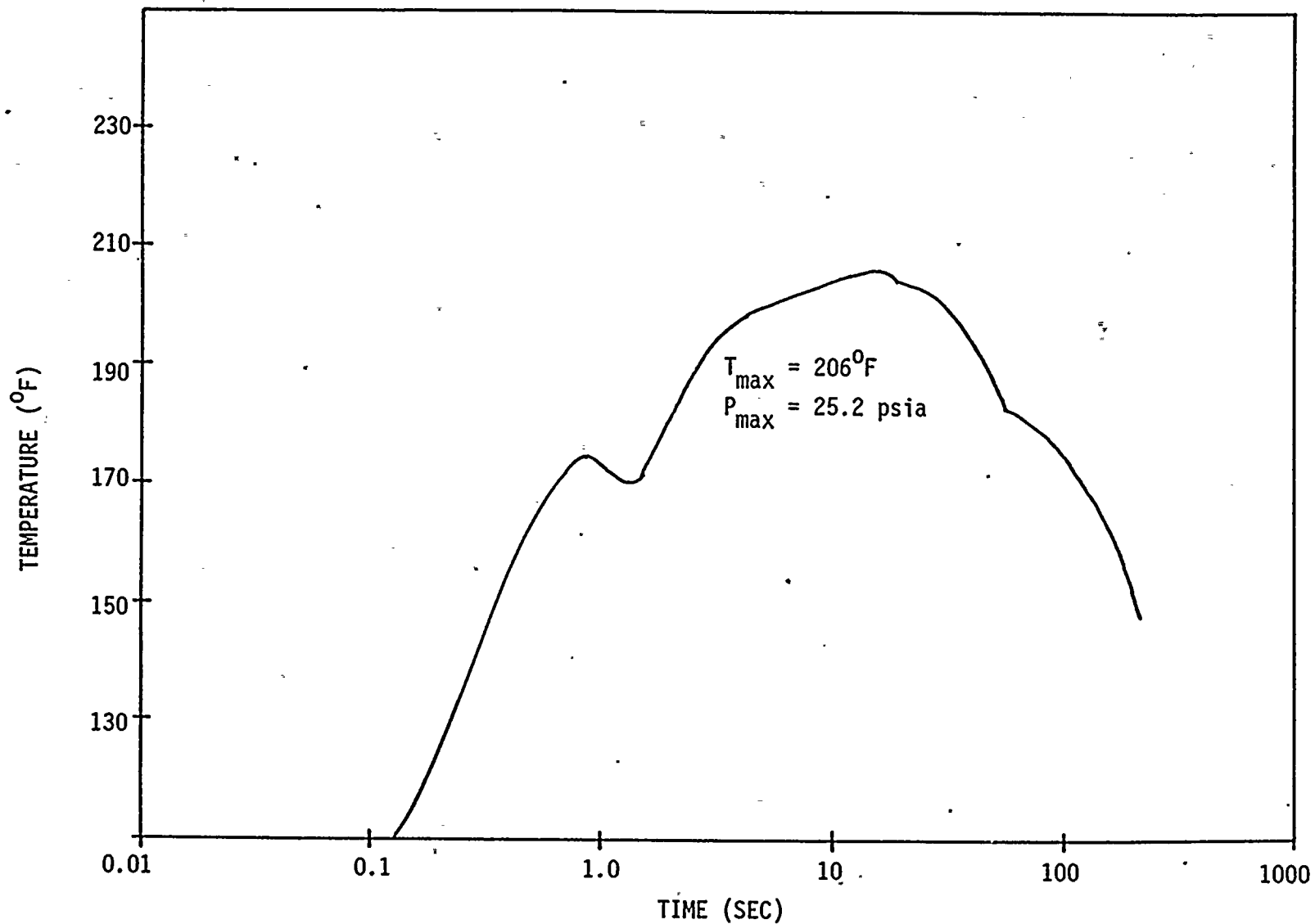
PROFILE 16. 4" RWCU LINE BREAK IN RWCU PUMP ROOMS (EL 522).
RESPONSE IN VALVE ROOM SOUTH OF CONTAINMENT (EL 522).

B.20



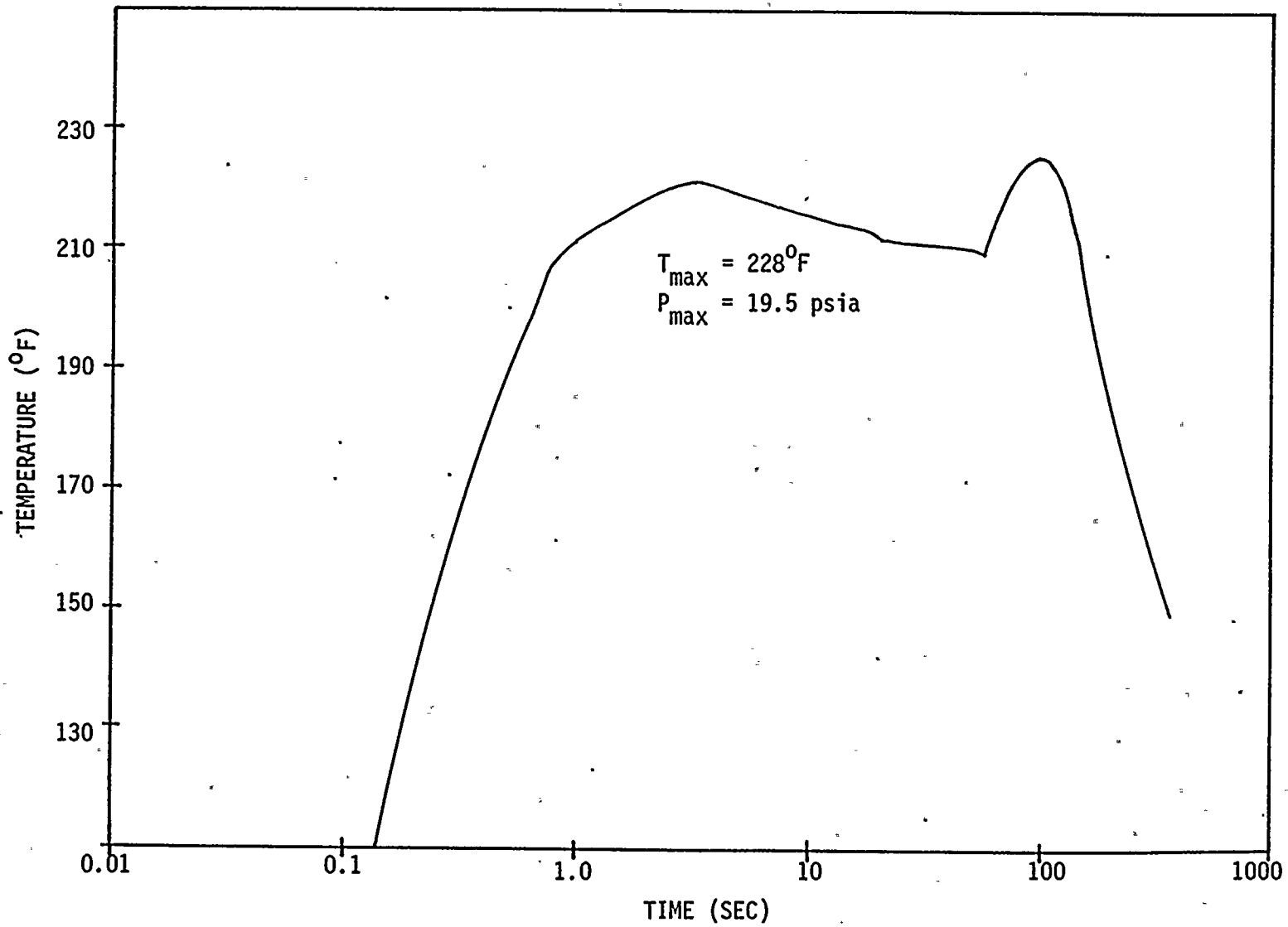
PROFILE 17. 4" RWCU LINE BREAK IN RWCU PUMP ROOMS (EL 522).
RESPONSE IN THE ROOM ABOVE RWCU PUMP ROOMS (EL 535).

B.21



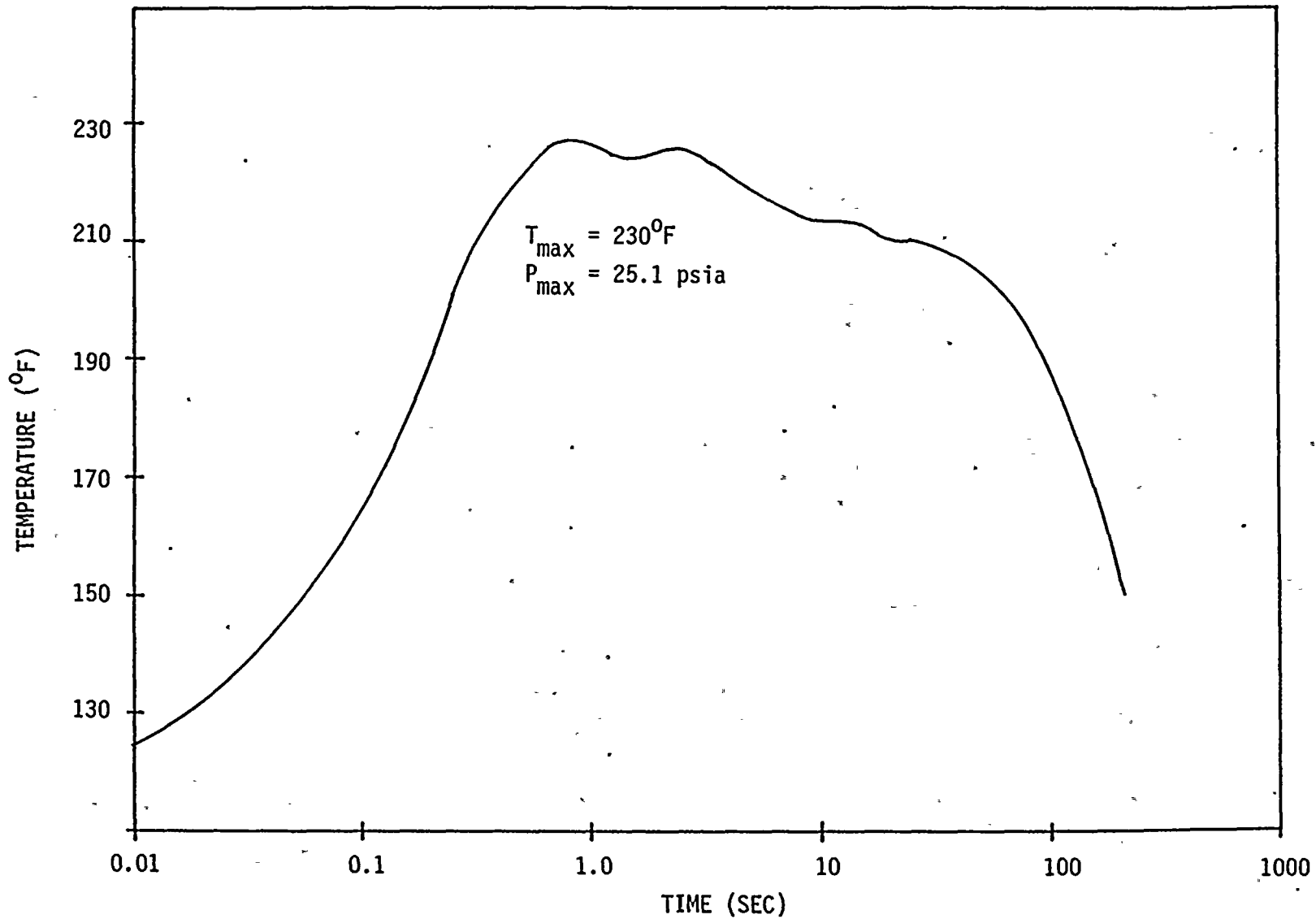
PROFILE 18. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535).
RESPONSE IN RWCU PUMP ROOMS (EL 522).

B.22

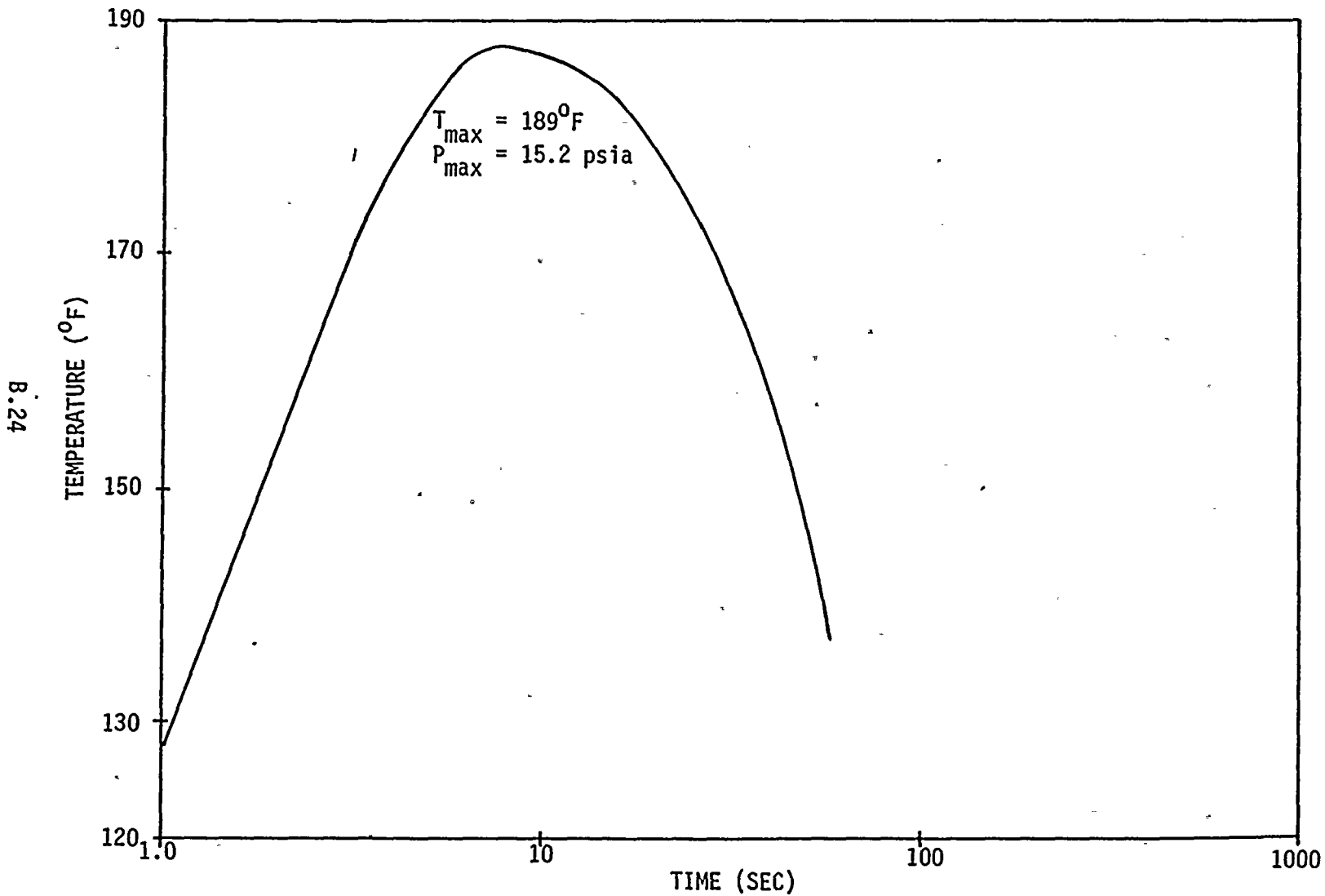


PROFILE 19. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535).
RESPONSE IN VALVE ROOM SOUTH OF CONTAINMENT (EL 522).

B.23

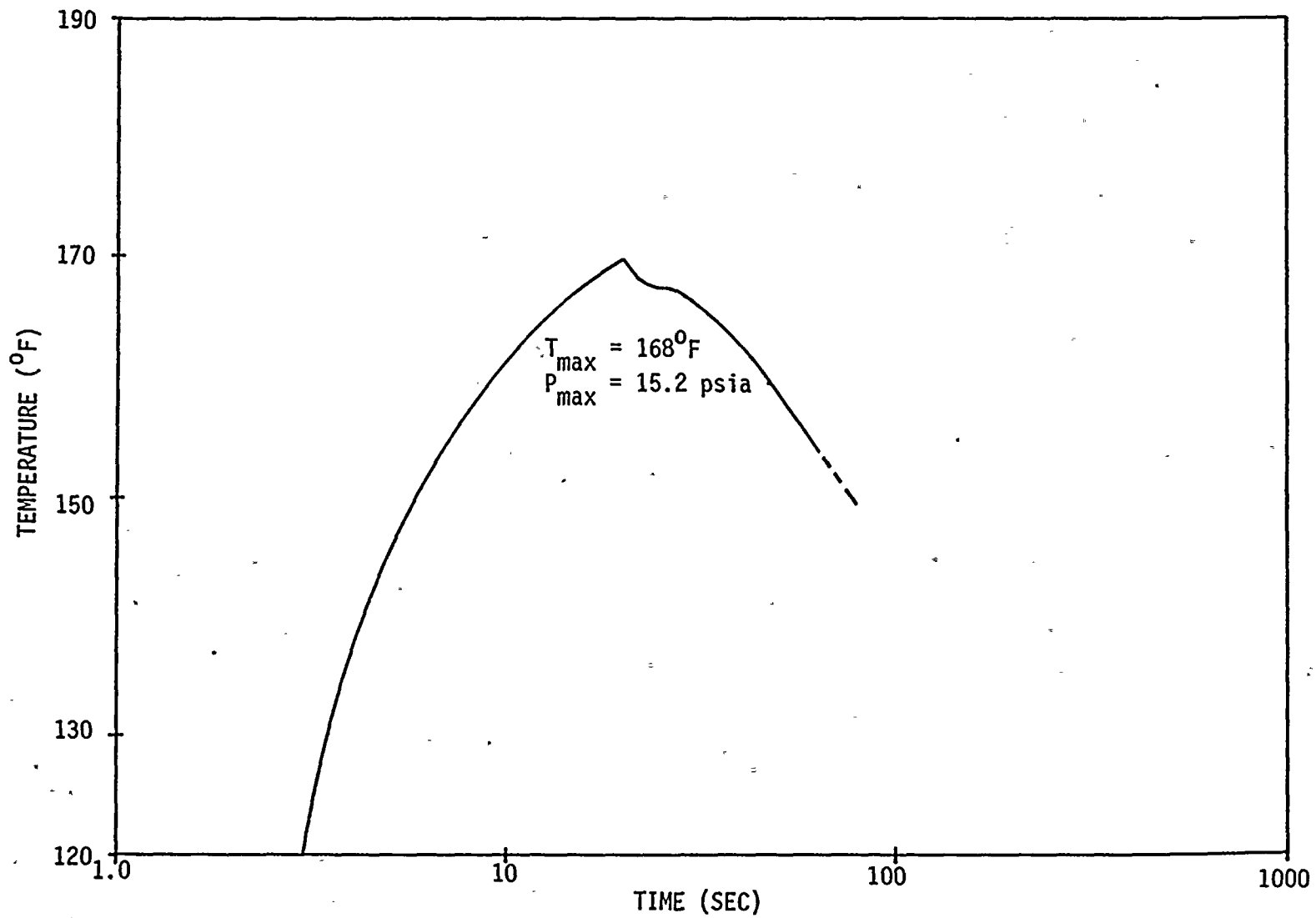


PROFILE 20. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535).
RESPONSE IN VALVE ROOM ABOVE PUMP ROOMS (EL 535).



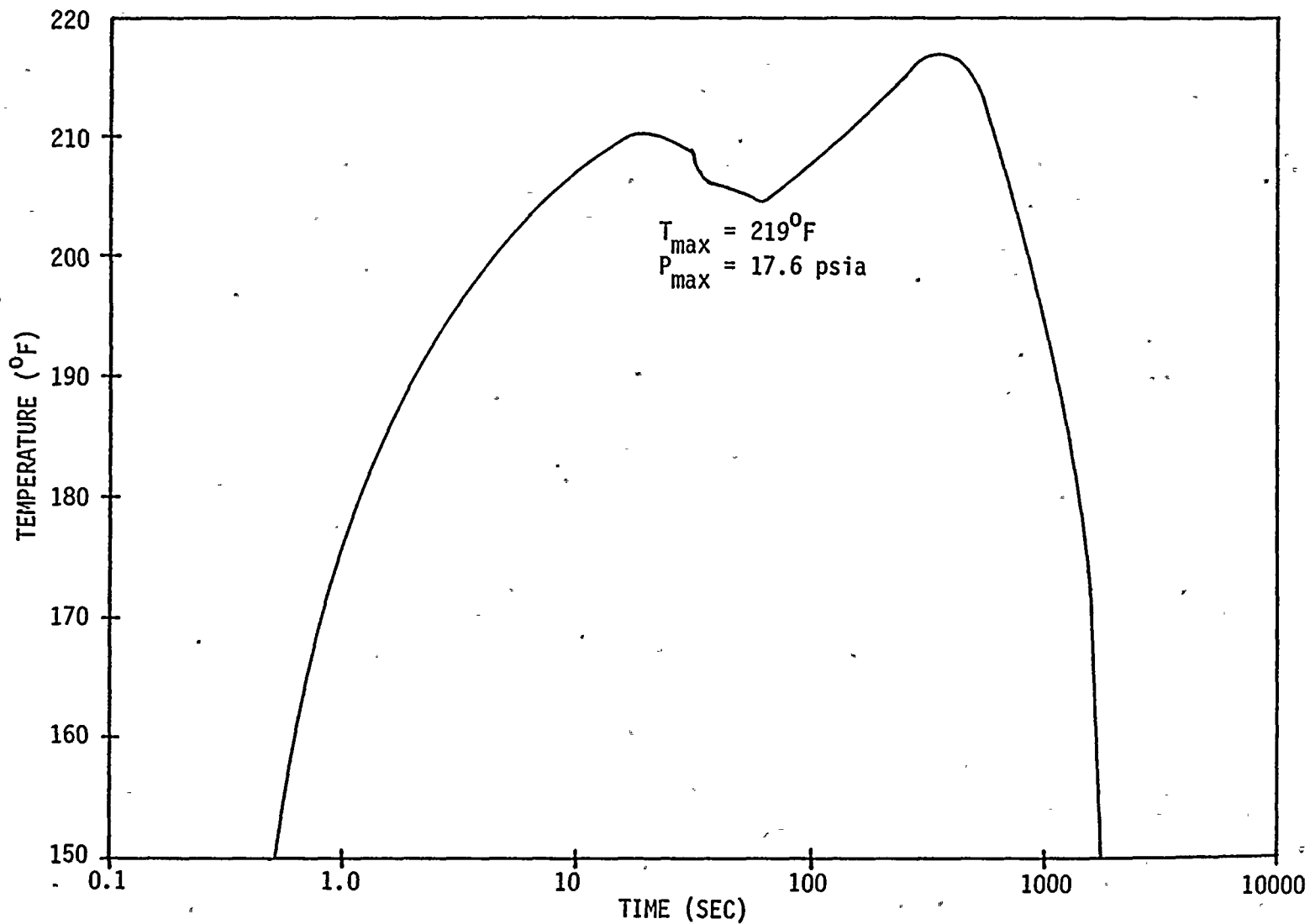
PROFILE 21'. 6" RWCU LINE BREAK IN ROOM ABOVE RWCU PUMP ROOMS (EL 535).
RESPONSE IN SOUTHEAST ROOM (EL 522).

B.25



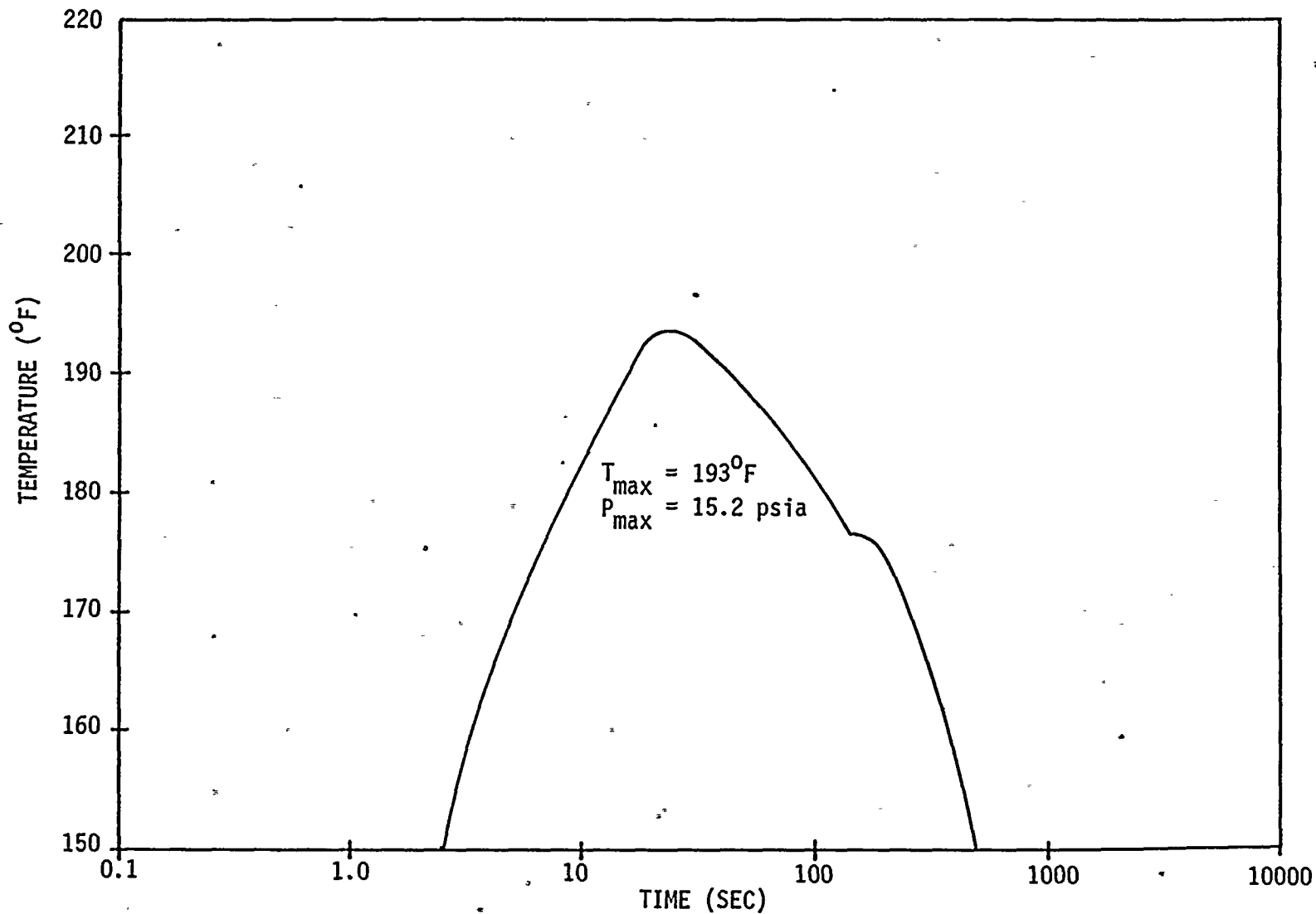
PROFILE 22. 6" RWCU LINE BREAK IN VALVE ROOM ABOVE RWCU PUMP ROOMS (EL 535).
RESPONSE IN CRD EAST AREA (EL 522).

B.26



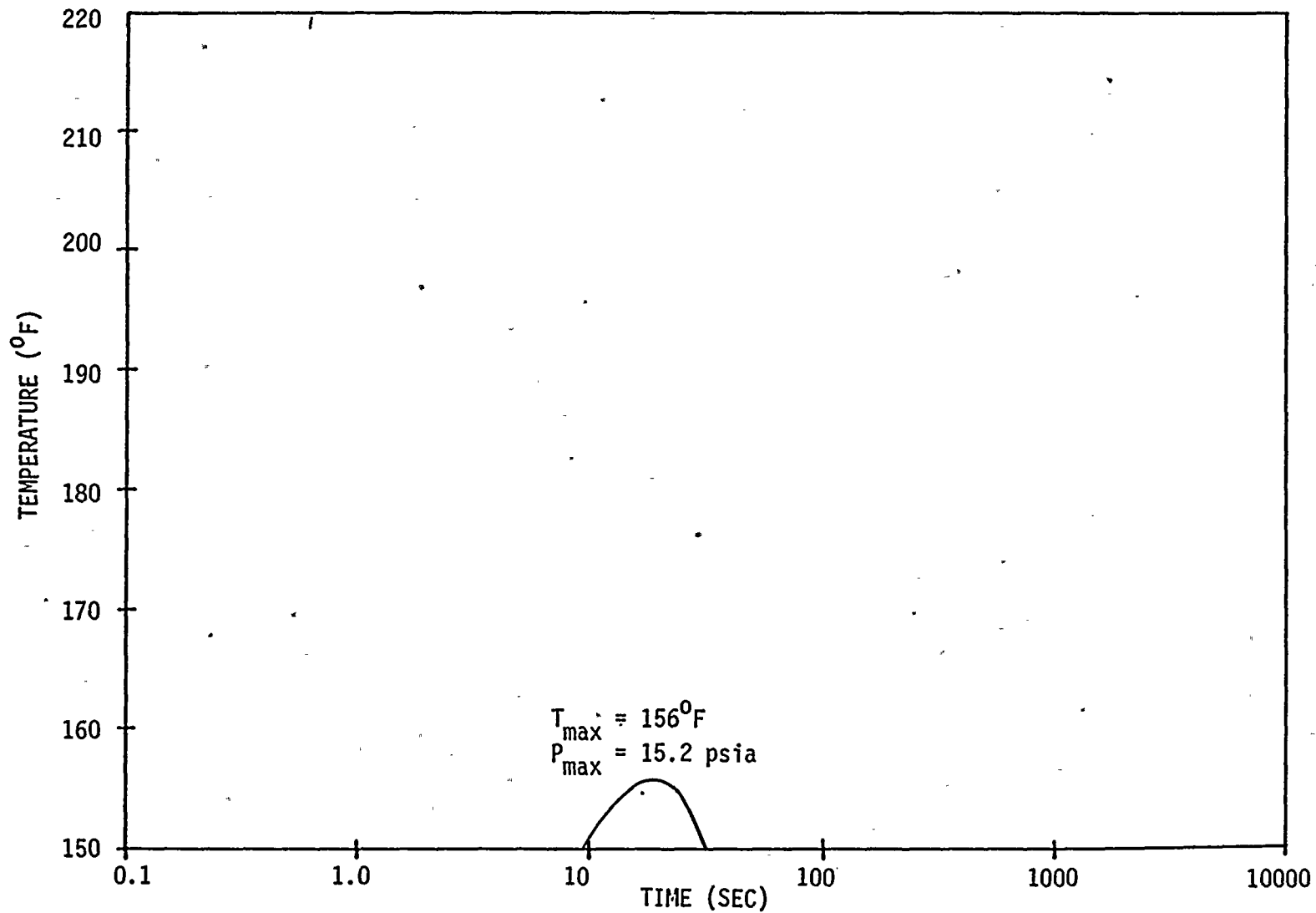
PROFILE 23. 6" RWCU LINE BREAK IN RWCU HEAT EXCHANGER ROOM (EL 548).
RESPONSE IN RWCU HEAT EXCHANGER ROOM (EL 548).

B.27



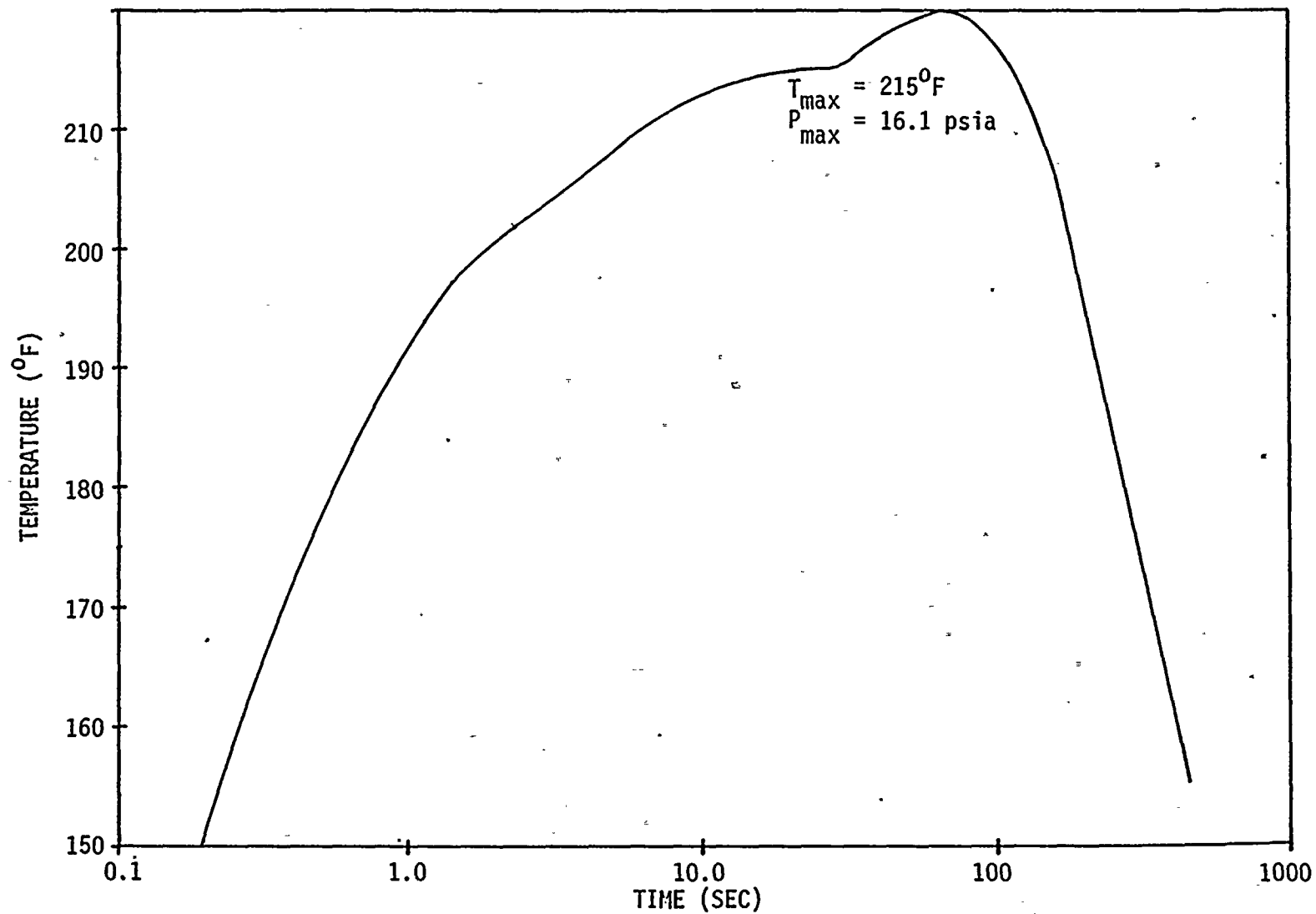
PROFILE 24. 6" RWCU LINE BREAK IN THE RWCU HEAT EXCHANGER ROOM (EL 548).
RESPONSE IN NE AREA OF EL 548.

B.28



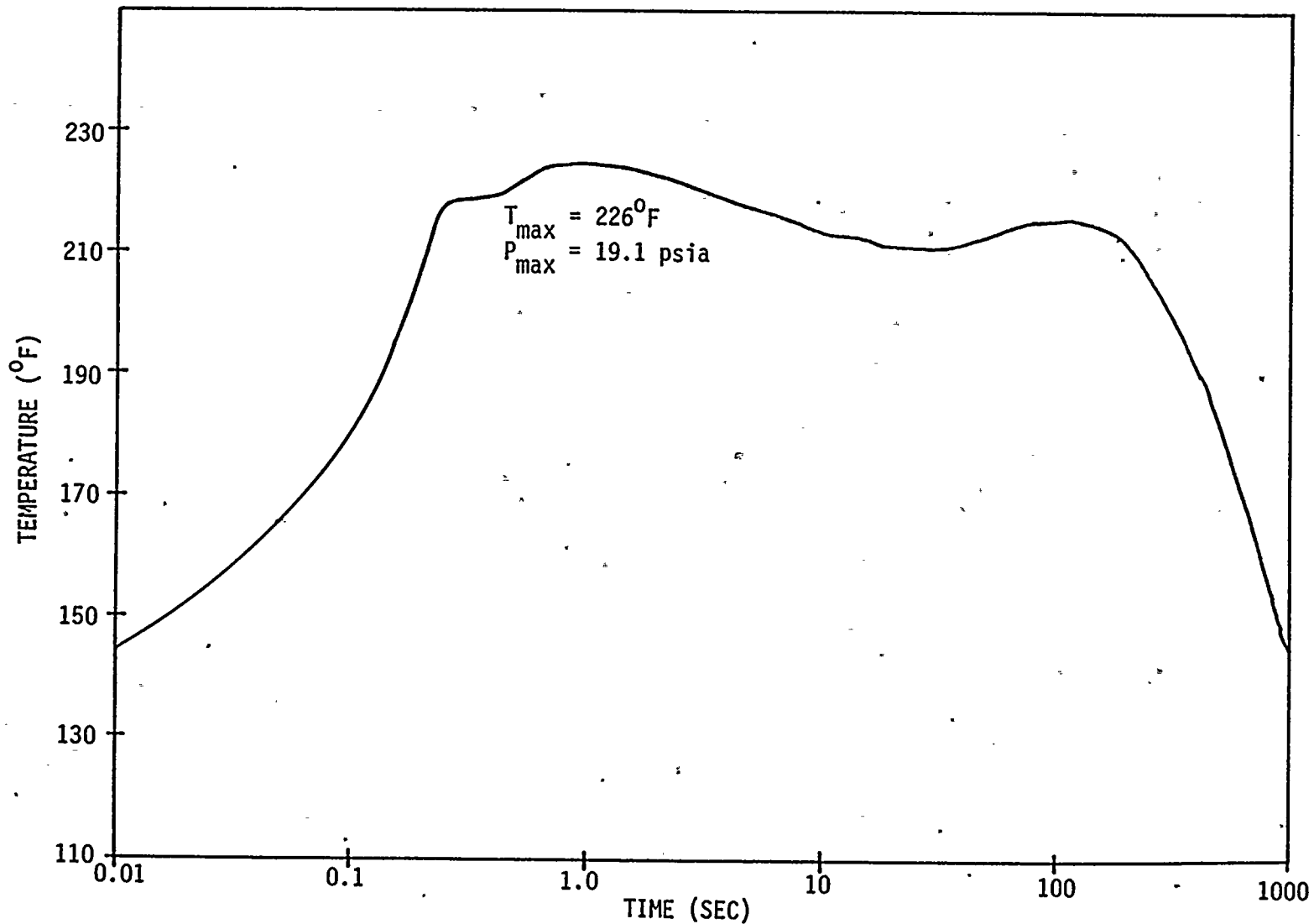
PROFILE 25. 6" RCU LINE BREAK IN THE RCU HEAT EXCHANGER ROOM (EL 548).
RESPONSE IN NW AREA EL 548.

B.29



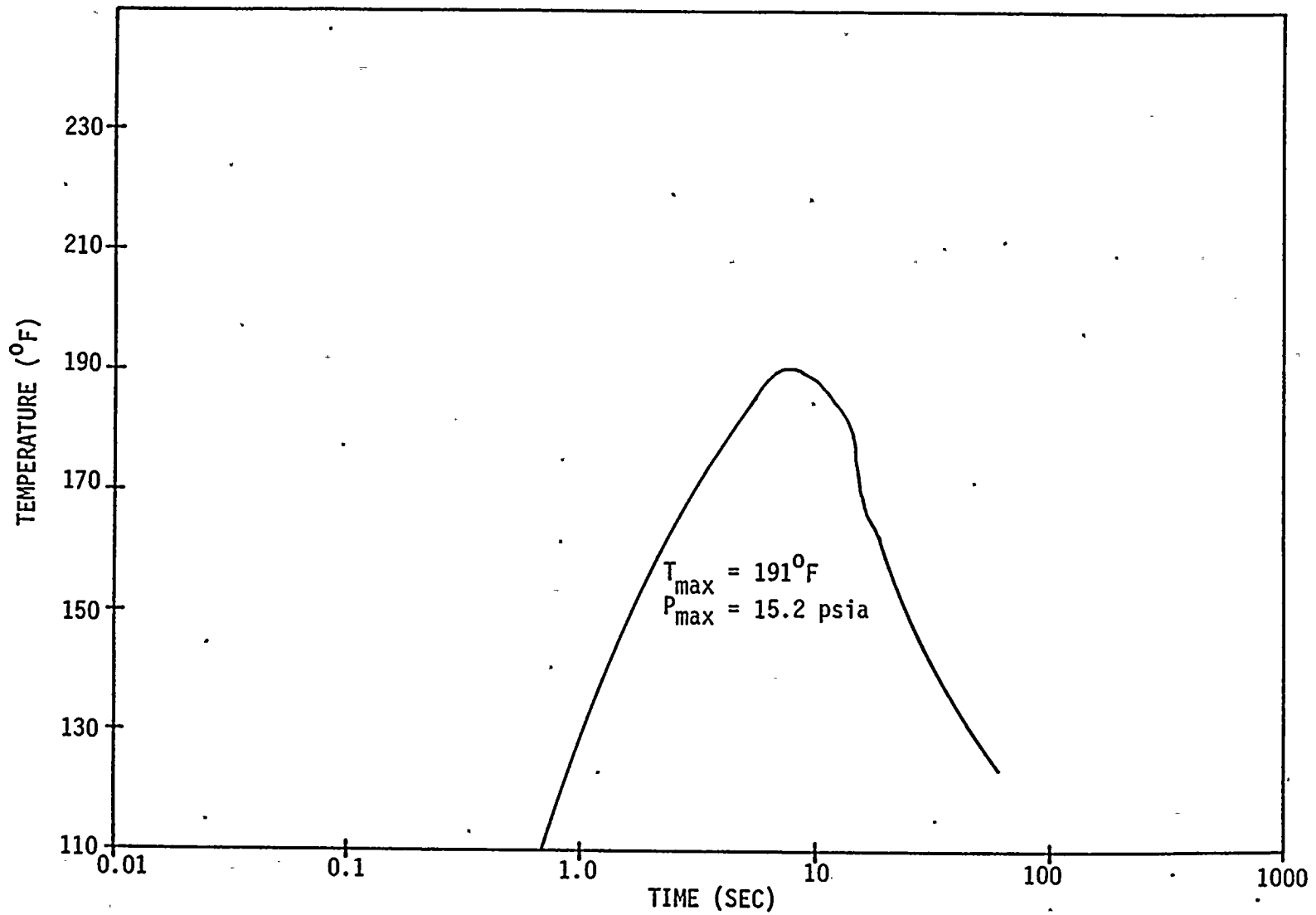
PROFILE 26. 6" RWCU LINE BREAK IN VALVE ROOM NORTH OF CONTAINMENT (EL 548).
RESPONSE IN VALVE ROOM NORTH OF CONTAINMENT (EL 548).

B.30



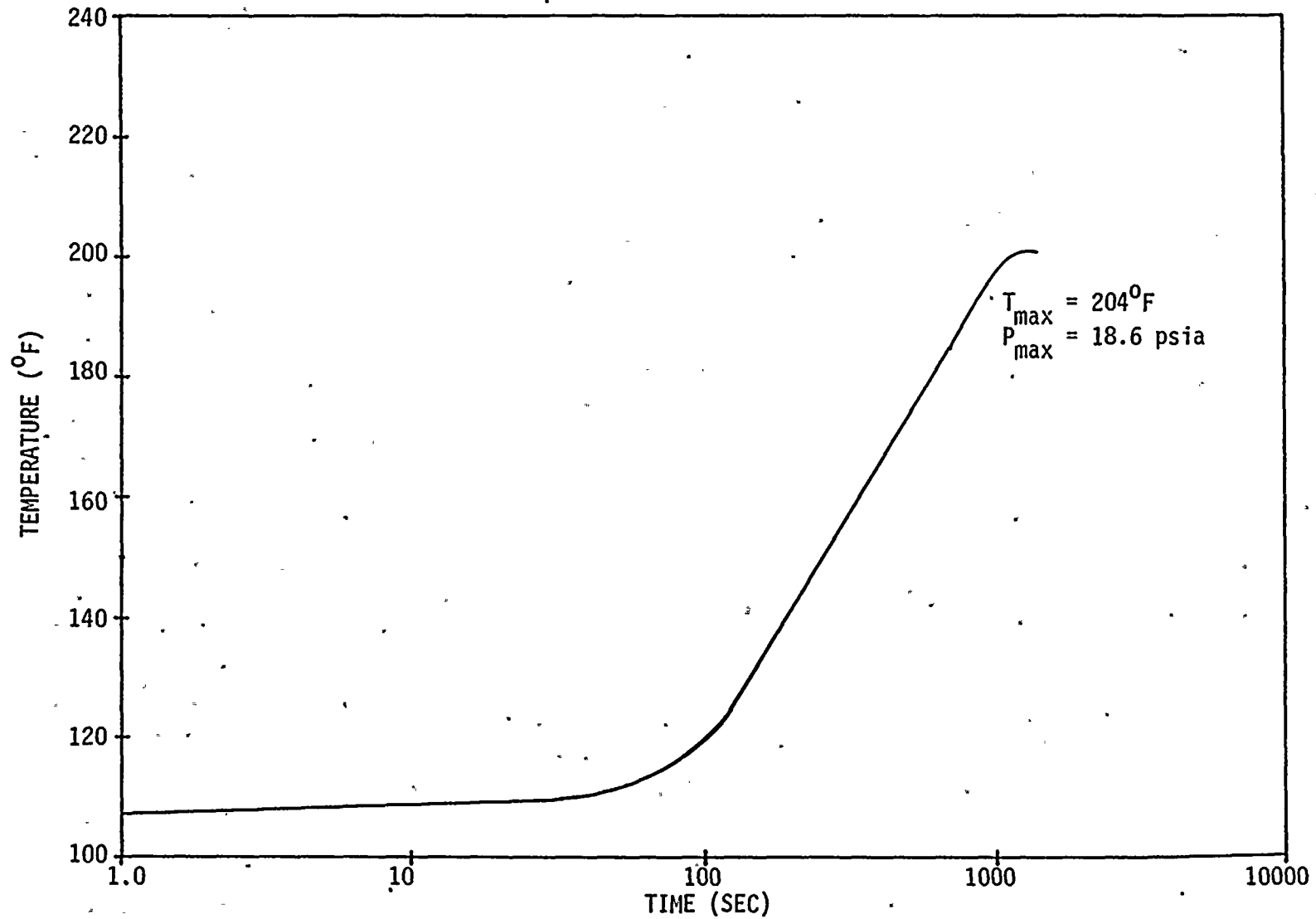
PROFILE 27. 6" RWCU LINE BREAK IN THE ROOM SOUTH OF CONTAINMENT (EL 548).
RESPONSE IN VALVE ROOM SOUTH OF CONTAINMENT (EL 548).

B.31



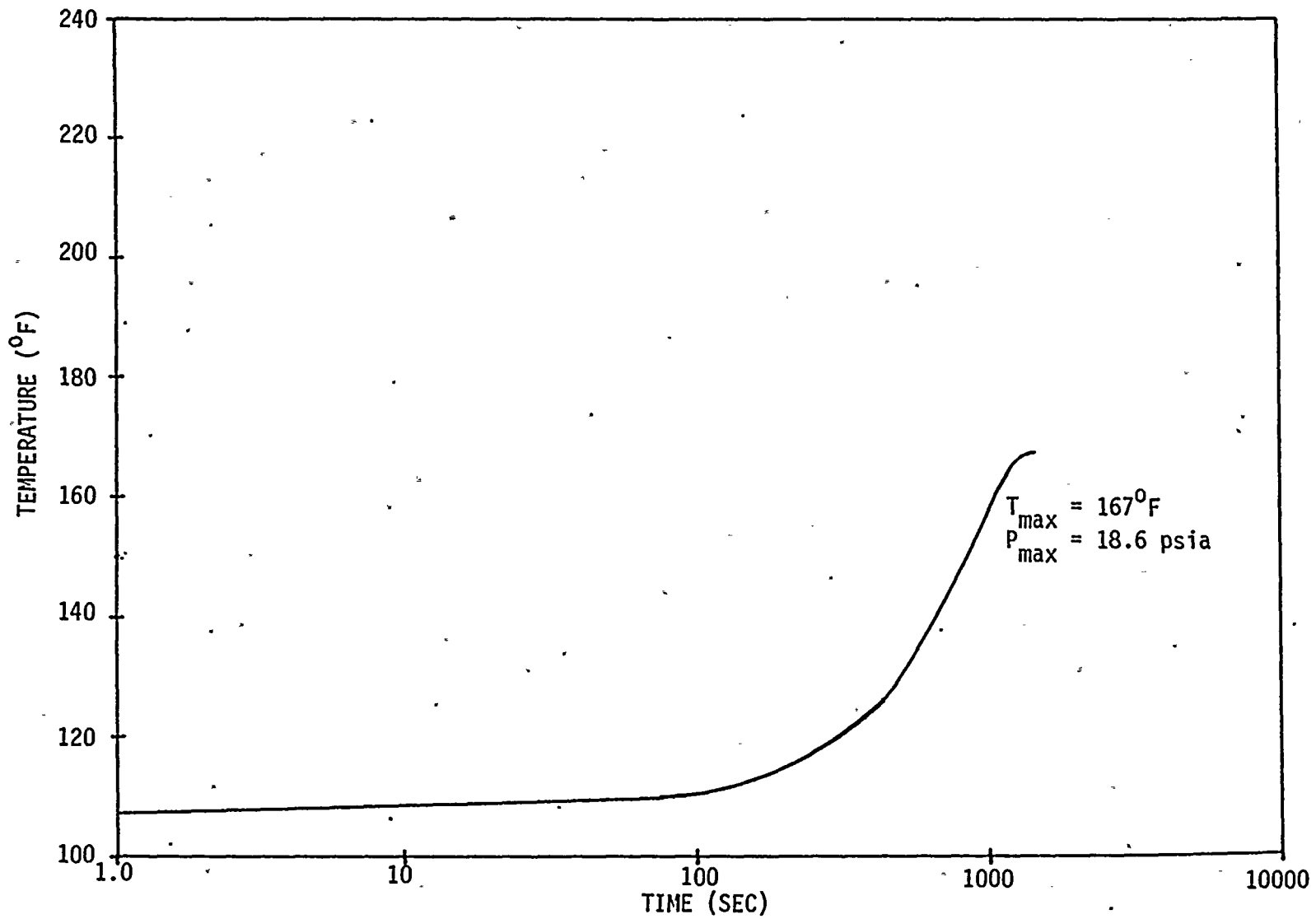
PROFILE 28. 6" RWCU LINE BREAK IN VALVE ROOM NORTH OF CONTAINMENT (EL 548).
RESPONSE IN SOUTHWEST AREA (EL 548).

B.32



PROFILE 29. 3" AS LINE BREAK IN SOUTHEAST OPEN FLOOR AREA (EL 572).
RESPONSE IN ALL OF FLOOR AREA (EL 572).

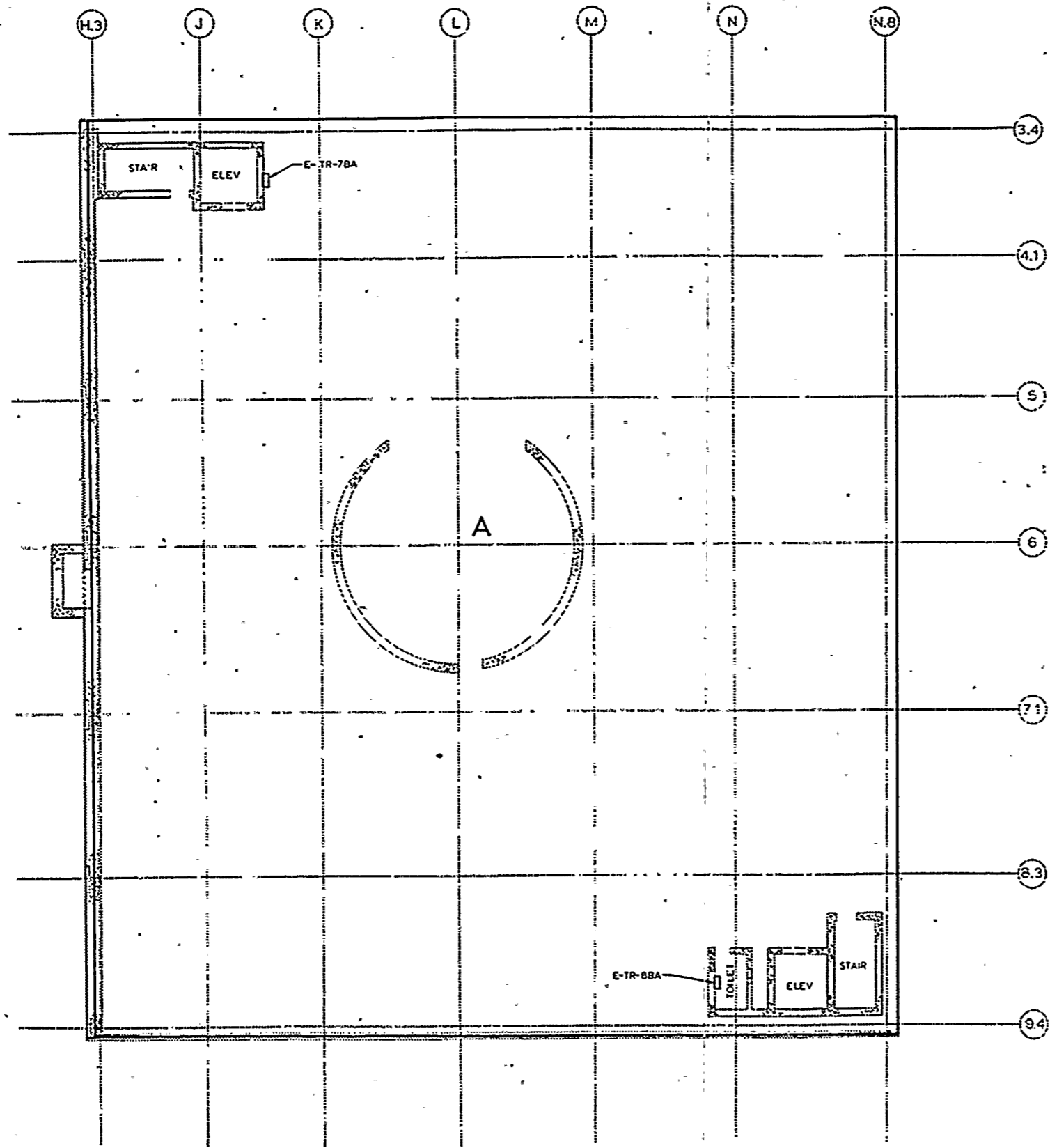
B.33



PROFILE 30. 3" AS LINE BREAK IN SOUTHEAST OPEN FLOOR AREA (EL 572).
RESPONSE IN ALL OPEN FLOOR AREA (EL 548).



909-W
M-606
DRAWING NO.



REACTOR BUILDING EL. 606'-10 1/2"

NOTES:

1. ●● ARE IDENTIFIED IN GENERAL NOTE 4 ON DRAWING M-422 SHEET 1
2. SEE GENERAL NOTE 6 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION

SAFETY RELATED EQUIPMENT
- BY ZONES

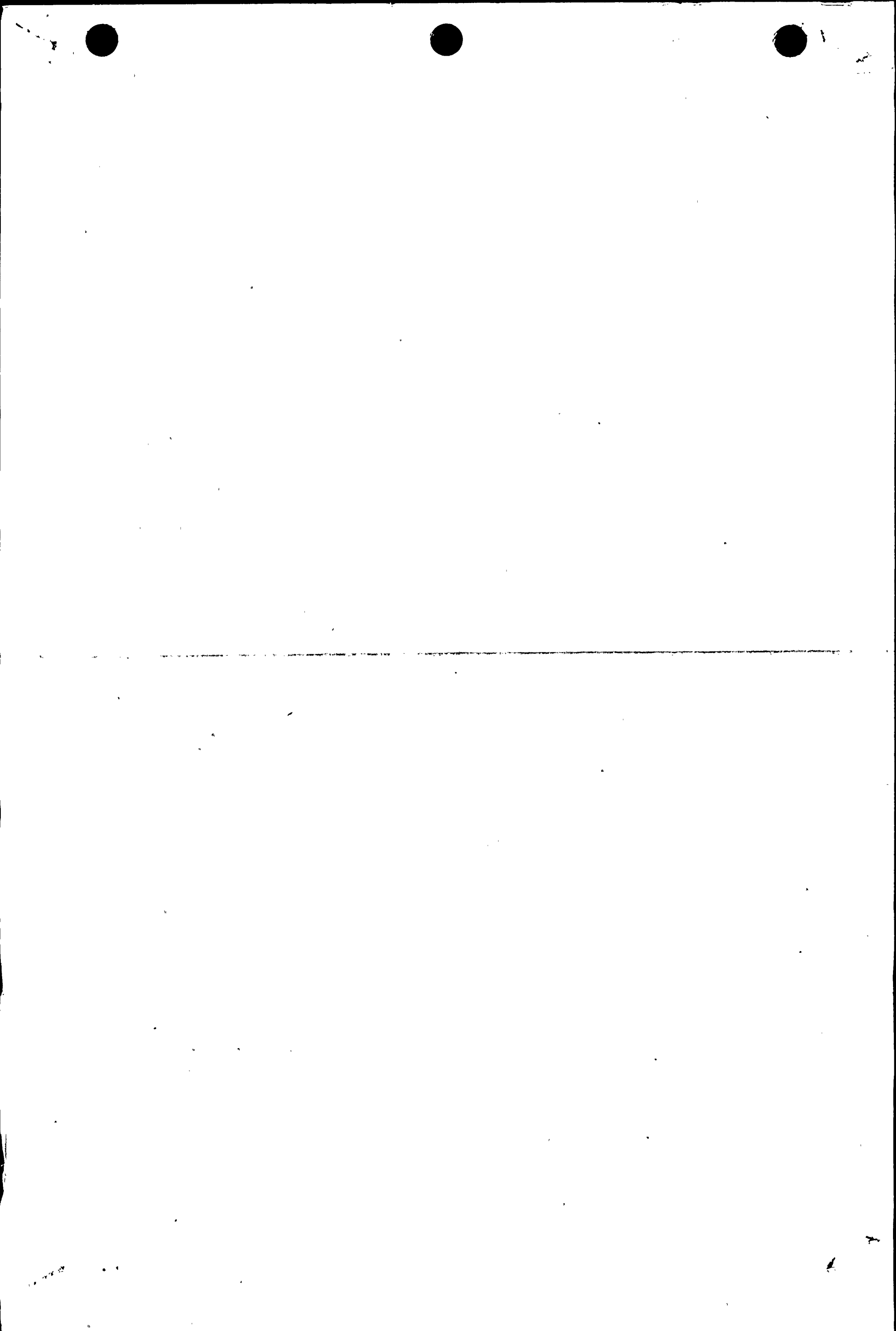
ZONE A

●● 1.9x10⁴ rad.

- CMS-RE-27D
- E-ELP-7BA
- E-ELP-8BA
- E-TR-7BA
- E-TR-8BA
- PPC-TE-7
- PPC-TE-8
- MT-CRA-2
- MT-CRA-9A
- MT-CRA-9B
- NSSE-CRA-3
- NSSE-EJ-1
- NSSE-EJ-2
- NSSE-EQ-10A
- NSSE-EQ-10B
- NSSE-EQ-11A
- NSSE-EQ-11B
- NSSE-EQ-11C
- NSSE-EQ-11D
- NSSE-EQ-11E
- NSSE-EQ-11F
- NSSE-EQ-11G
- NSSE-EQ-11H
- NSSE-EQ-14
- NSSE-EQ-15
- NSSE-EQ-18
- NSSE-EQ-1A
- NSSE-EQ-1B
- NSSE-EQ-2
- NSSE-EQ-22
- NSSE-EQ-23A
- NSSE-EQ-23B
- NSSE-EQ-23C
- NSSE-EQ-23D
- NSSE-EQ-8
- REA-RE-19

RADIATION ZONE MAP
REACTOR BUILDING EL. 606'-10 1/2"
WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

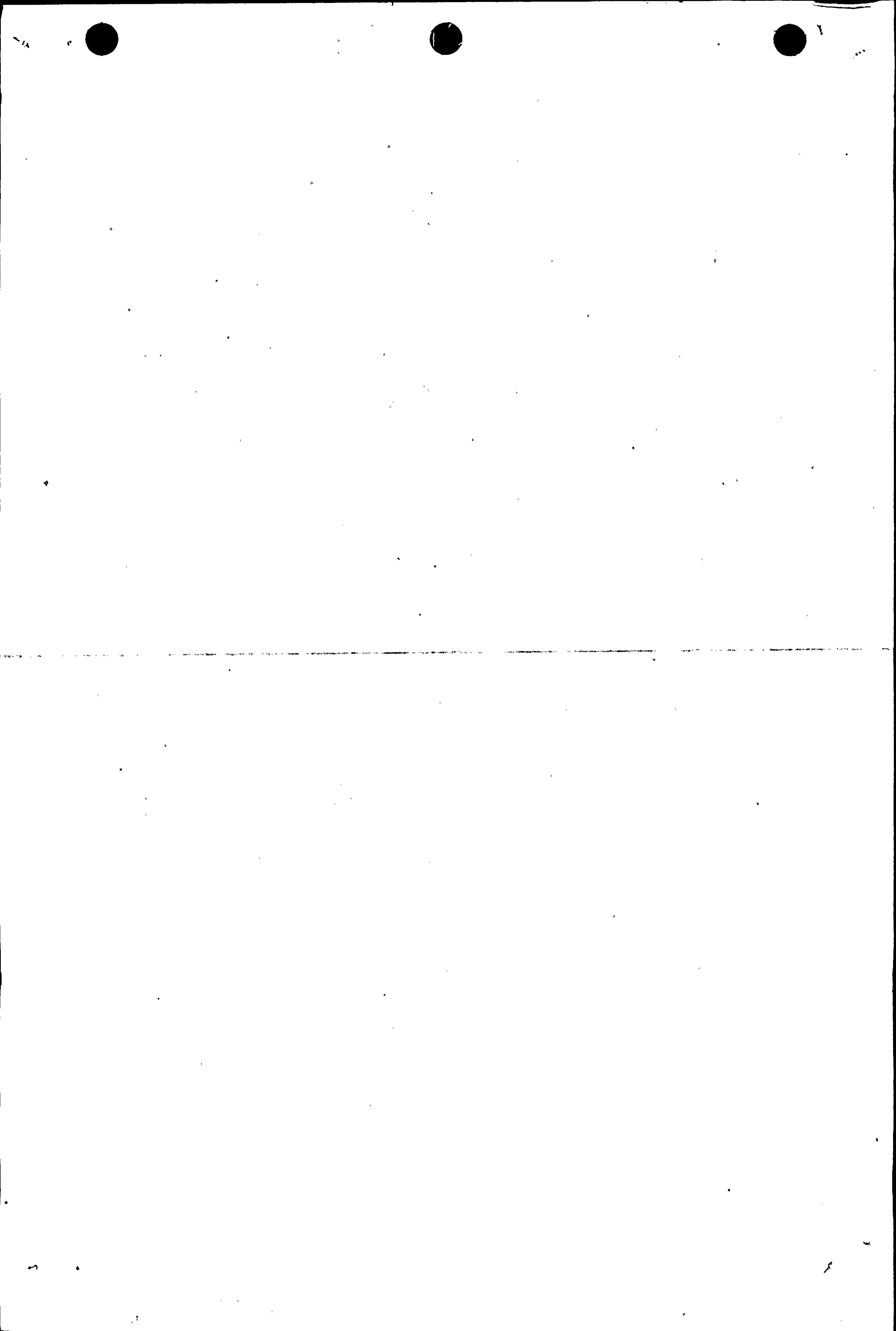
SCALE 1/8" = 1'-0"
JOB NO. 1140-001
DRAWING NO. M-606
REV. 2
SHEET 1 OF 1



ZONE N CONT.

SGT-EHC-1B1	SGT-TS-6B1	SGT-V-66B	SGT-V-2A	SGT-M-V5B2
SGT-EHC-1B2	SGT-TS-7B1	SGT-V-67B	SGT-V-2B+	SGT-MO-5B2
SGT-ESH-1B	SGT-TS-8B1	SGT-V-68B	SGT-AO-2B	SGT-V-5B2
SGT-ESH-2B	SGT-TS-EH1B10	SGT-V-69B	SGT-LMS-2B	
SGT-FL-1B	SGT-TS-EH1B11	SGT-V-704B	SGT-M-V2B	
SGT-FS-2B1	SGT-TS-EH1B111	SGT-V-705B	SGT-SPV-2B	
SGT-FS-2B2	SGT-TS-EH1B112	SGT-V-706B	SGT-V-2B	
SGT-HF-1B1	SGT-TS-EH1B113	SGT-V-707B	SGT-V-3A1+	
SGT-HF-1B2	SGT-TS-EH1B114	SGT-V-708B	SGT-M-V3A1	
SGT-MC-6B	SGT-TS-EH1B115	SGT-V-709B	SGT-MO-3A1	
SGT-MC-7B	SGT-TS-EH1B116	SGT-V-70B	SGT-V-3A1	
SGT-ME-16B	SGT-TS-EH1B117	SGT-V-710B	SGT-V-3A2+	
SGT-ME-17B	SGT-TS-EH1B118	SGT-V-711B	SGT-M-V3A2	
SGT-ME-3B	SGT-TS-EH1B12	SGT-V-712B	* SGT-MO-3A2	
SGT-ME-4B	SGT-TS-EH1B13	SGT-V-713B	• 9.4×10^6 rad.	
SGT-ME-5B	SGT-TS-EH1B14	SGT-V-714B		
SGT-ME-6B	SGT-TS-EH1B15	SGT-V-715B	SGT-V-3A2	
SGT-ME-7B	SGT-TS-EH1B16	SGT-V-71B	SGT-V-3B1+	
SGT-MS-1B	SGT-TS-EH1B17	SGT-V-725	SGT-M-V3B1	
SGT-PP-ESH/1B+	SGT-TS-EH1B18	SGT-PP-ESH/1A+	SGT-MO-3B1	
SGT-PP-ESH/2B+	SGT-TS-EH1B19	SGT-RLY-ESH1A11	SGT-V-3B1	
SGT-TC-1B1	SGT-TS-EH1B21	SGT-RLY-ESH1A12	SGT-V-3B2+	
SGT-TC-1B2	SGT-TS-EH1B210	SGT-RLY-ESH1A13	SGT-M-V3B2	
SGT-TC-2B1	SGT-TS-EH1B211	SGT-RLY-ESH1A14	SGT-MO-3B2	
SGT-TC-2B2	SGT-TS-EH1B212	SGT-RMS-ESH1A	SGT-V-3B2	
SGT-TE-1B	SGT-TS-EH1B213	SGT-RMS-ESH1A1	SGT-V-4A1+	
SGT-TE-1B1	SGT-TS-EH1B214	SGT-RMS-ESH1A2	SGT-M-V4A1	
SGT-TE-1B2	SGT-TS-EH1B215	SGT-PP-ESH/1B+	SGT-MO-4A1	
SGT-TE-2B1	SGT-TS-EH1B216	SGT-RMS-ESH1B	SGT-V-4A1	
SGT-TE-2B2	SGT-TS-EH1B217	SGT-RMS-ESH1B1	SGT-V-4A2+	
SGT-TE-6B	SGT-TS-EH1B218	SGT-RMS-ESH1B2	SGT-M-V4A2	
SGT-TE-6B1	SGT-TS-EH1B22	SGT-PP-ESH/2A+	SGT-MO-4A2	
SGT-TE-7B	SGT-TS-EH1B23	SGT-RMS-ESH2A	SGT-V-4A2	
SGT-TE-7B1	SGT-TS-EH1B24	SGT-RMS-ESH2A1	SGT-V-4B1+	
SGT-TE-8B1	SGT-TS-EH1B25	SGT-RMS-ESH2A2	SGT-M-V4B1	
SGT-TI-10B	SGT-TS-EH1B26	SGT-PP-ESH/2B+	SGT-MO-4B1	
SGT-TI-8B	SGT-TS-EH1B27	SGT-RMS-ESH2B	SGT-V-4B1	
SGT-TI-9B	SGT-TS-EH1B28	SGT-RMS-ESH2B1	SGT-V-4B2+	
SGT-TS-1B1	SGT-TS-EH1B29	SGT-RMS-ESH2B2	SGT-M-V4B2	
SGT-TS-1B11	SGT-V-51B	SGT-V-1A+	SGT-MO-4B2	
SGT-TS-1B2	SGT-V-52B	SGT-M-V1A	SGT-V-4B2	
SGT-TS-1B21	SGT-V-53B	SGT-MO-1A	SGT-V-5A1+	
SGT-TS-1B3	SGT-V-54B	SGT-V-1A	SGT-M-V5A1	
SGT-TS-1B31	SGT-V-55B	SGT-V-1B+	SGT-MO-5A1	
SGT-TS-1B4	SGT-V-56B	SGT-M-V1B	SGT-V-5A1	
SGT-TS-1B41	SGT-V-57B	SGT-MO-1B	SGT-V-5A2+	
SGT-TS-2B1	SGT-V-58B	SGT-V-1B	SGT-M-V5A2	
SGT-TS-2B11	SGT-V-59B	SGT-V-2A+	SGT-MO-5A2	
SGT-TS-2B2	SGT-V-60B	* SGT-AO-2A	SGT-V-5A2	
SGT-TS-2B21	SGT-V-61B	• 2.0×10^6 rad.	SGT-V-5B1+	
SGT-TS-2B3	SGT-V-62B		SGT-M-V5B1	
SGT-TS-2B31	SGT-V-63B	SGT-LMS-2A	SGT-MO-5B1	
SGT-TS-2B4	SGT-V-64B	SGT-M-V2A	SGT-V-5B1	
SGT-TS-2B41	SGT-V-65B	SGT-SPV-2A	SGT-V-5B2+	

COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON RADIATION ZONE MAP REACTOR BUILDING EL.572'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: NONE
JOB NO. 1140-001	DRAWING NO. 0	REV. 0
M-572		0
SHEET 4 OF 4		



ZONE H

CAC-TS-1B
CAC-TS-2B
CAC-TS-3B
CAC-TS-5B
CAC-TS-6B
E-MC-8BB+
E-42-8BB/2DSPAR
E-42-8BB/2ESPAR
E-42-8BB/6ASPAR
E-42-8BB/6BSPAR
E-42-CAC/1BFDR
E-42-CAC/EHC1B
E-42-CAC/FN1B
E-42-ELP/8BA
E-42-RHR/V115
E-42-RHR/V116
E-42-RHR/V3B
E-42-RHR/V47B
E-42-RHR/V48B
E-42-RHR/V49
E-42-RHR/V52B
E-42-RHR/V68B
E-42-RHR/V73B
E-42-RHR/V74B
E-42-RHR/V87B
E-42-RRA/FN14
E-42-RRA/FN17
E-42-SGT/FN1A2
E-42-SGT/FN1B2
E-42-SGT/V1B
E-42-SGT/V3A2
E-42-SGT/V3B2
E-42-SGT/V4A2
E-42-SGT/V4B2
E-42-SGT/V5A2
E-42-SGT/V5B2
E-42-SGTEHC1A2
E-42-SGTEHC1B2
E-CB-8BB/FPCP1B
E-EMSQ-CACFN1B
E-EMSQ-SGTFN1A2
E-FUSE-7BB/ID
E-RLY-CACFN1B
E-RLY-RHRV3B
E-RLY-RHRV47B
E-RLY-RHRV48B
E-RLY-RHRV52B
E-RLY-RHRV68B
E-RLY-RHRV87B
E-RLY-SGT/5A2
E-RLY-SGTEHC1A2
E-RLY-SGTEHC1B2
E-RLY-SGTFN1A2
E-RLY-SGTFN1B2

E-RLY-SGTV3A2
E-RLY-SGTV3B2
E-RLY-SGTV4A2
E-RLY-SGTV4B2
E-RLY-SGTV5A2
E-RLY-SGTV5B2
E-TM-SGT/5A2
E-TRB-8BB/TB2A
E-TRB-8BB/TB2B
E-TRB-8BB/TB2C
E-TRB-8BB/TB3A
E-TRB-8BB/TB3B
E-TRB-8BB/TB3C
E-TRB-8BB/TB4A
E-TRB-8BB/TB4B
E-TRB-8BB/TB4C
E-TRB-8BB/TB5A
E-TRB-8BB/TB5B
E-TRB-8BB/TB5C
E-TRB-8BB/TB6A
E-TRB-8BB/TB6B
E-TRB-8BB/TB6C
E-TRB-8BB/TB7A
E-TRB-8BB/TB7B
E-TRB-8BB/TB7C
E-TRB-8BB/TB8A
E-TRB-8BB/TB8B
E-TRB-RHRV115
E-TRB-RHRV116
E-TRB-RHRV3B
E-TRB-RHRV47B
E-TRB-RHRV48B
E-TRB-RHRV49
E-TRB-RHRV52B
E-TRB-RHRV68B
E-TRB-RHRV73B
E-TRB-RHRV74B
E-TRB-RHRV87B
E-TRB-RRAFN14
E-TRB-RRAFN17
E-TRB-SGTFN1A2
E-TRB-SGTFN1B2
E-TRB-SGTV1B
E-TRB-SGTV3A2
E-TRB-SGTV3B2
E-TRB-SGTV4A2
E-TRB-SGTV4B2
E-TRB-SGTV5A2
E-TRB-SGTV5B2
ROA-AD-14+
ROA-AD-14
ROA-AO-AD14
ROA-LMS-14
ROA-SPV-14

RRA-FC-14+
RRA-CC-14
RRA-FC-14
RRA-FN-14
RRA-M-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-EH1A21
SGT-RMS-EH1A22
SGT-RMS-EH1A23
SGT-XE-2RH/1A2
SGT-XE-2RHS/1A2
SGT-XE-3RH/1A2
SGT-XE-3RHS/1A2
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-EH1B21
SGT-RMS-EH1B22
SGT-RMS-EH1B23
SGT-RMS-EH1B27
SGT-XE-2RH/1B2
SGT-XE-2RHS/1B2
SGT-XE-3RH/1B2
SGT-XE-3RHS/1B2

ZONE I

RHR-PCV-51B+
RHR-PCV-51B
RHR-SPV-51B
RHR-V-47B+
RHR-M-V47B
RHR-MO-47B
RHR-V-47B
RHR-V-52B+
RHR-M-V52B
RHR-MO-52B

ZONE J

NONE

ZONE K

NONE

ZONE L

RHR-PCV-51A+
RHR-PCV-51A
RHR-SPV-51A
RHR-V-47A+
RHR-M-V47A
RHR-MO-47A
RHR-V-47A
RHR-V-52A+
RHR-M-V52A
RHR-MO-52A
RHR-V-52A
RHR-V-73A+
RHR-M-V73A
RHR-MO-73A
RHR-V-73A

ZONE M

NONE

ZONE N

REA-V-1+
REA-AO-V1
REA-LMS-1
REA-V-1
REA-V-2+
REA-AO-V2

RHR-V-52B
RHR-V-73B+
RHR-M-V73B
RHR-MO-73B
RHR-V-73B
RHR-V-74B+
RHR-M-V74B
RHR-MO-74B
RHR-V-74B
RHR-V-87B+
RHR-M-V87B
RHR-MO-87B
RHR-V-87B
RELA-LMS-2
REA-V-2
SGT-DV-1A1+
SGT-PCV-P1
SGT-PI-8A1
SGT-RO-8A1
SGT-SPV-F1
SGT-ST-F1A
SGT-V-701A
SGT-V-F11
SGT-V-F12
SGT-V-F13
SGT-V-F14
SGT-V-F15
SGT-DV-1A2+
SGT-PCV-F2
SGT-PI-6A1
SGT-RO-6A1
SGT-SPV-F2
SGT-ST-F2A
SGT-V-702A
SGT-V-F21
SGT-V-F22
SGT-V-F23
SGT-V-F24
SGT-V-F25
SGT-DV-1A3+
SGT-PCV-F3
SGT-PI-7A1
SGT-RO-7A1
SGT-SPV-F3
SGT-ST-F3A
SGT-V-703A
SGT-V-F31
SGT-V-F32
SGT-V-F33
SGT-V-F34
SGT-V-F35
SGT-DV-1B1+
• 3.9x10⁵ rad.
SGT-PCV-F4
SGT-PI-8B1
SGT-RO-8B1
SGT-SPV-F4
SGT-ST-F4A
SGT-V-701B
SGT-V-F41
SGT-V-F42
SGT-V-F43
SGT-V-F44
SGT-V-F45
SGT-DV-1B2+
SGT-PCV-F5
SGT-PI-6B1

SGT-RO-6B1
SGT-SPV-F5
SGT-ST-F5A
SGT-V-702B
SGT-V-F51
SGT-V-F52
SGT-V-F53
SGT-V-F54
SGT-V-F55
SGT-DV-1B3+
SGT-PCV-F6
SGT-PI-7B1
SGT-RO-7B1
SGT-SPV-F6
SGT-ST-F6A
SGT-V-703B
SGT-V-F61
SGT-V-F62
SGT-V-F63
SGT-V-F64
SGT-V-F65
SGT-EHC-1A1+
SGT-PS-EH1A11
SGT-TS-EH1A10
SGT-TS-EH1A11
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-EHC-1A2+
SGT-PS-EH1A21
SGT-TS-EH1A21
SGT-TS-EH1A210
SGT-TS-EH1A211
SGT-TS-EH1A212
SGT-TS-EH1A213
SGT-EHC-1B1+
SGT-PS-EH1B11
SGT-EHC-1B2+
SGT-PS-EH1B21
SGT-FN-1A1+
SGT-AD-1A1
SGT-EHO-1A1

SGT-FE-1A1
SGT-FN-1A1
SGT-FT-1A1
• 5.3x10⁶ rad.
SGT-M-1A1
SGT-TIS-1A1
SGT-V-716
SGT-V-717
SGT-FN-1A2+
SGT-AD-1A2
SGT-EHO-1A2
SGT-FE-1A2
SGT-FN-1A2
SGT-FT-1A2
SGT-M-1A2
SGT-TIS-1A2
SGT-V-718
SGT-V-719
SGT-FN-1B1+
SGT-AD-1B1
SGT-EHO-1B1
SGT-FE-1B1
SGT-FN-1B1
SGT-FT-1B1
SGT-M-1B1
SGT-TIS-1B1
SGT-V-722
SGT-V-723
SGT-FN-1B2+
SGT-AD-1B2
SGT-EHO-1B2
SGT-FE-1B2
SGT-FN-1B2
SGT-FT-1B2
SGT-M-1B2
SGT-TIS-1B2
SGT-V-720
SGT-V-721
SGT-FU-1A+
SGT-CF-1A1
SGT-CF-1A2
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-FL-1A

SGT-FS-2A1
SGT-FS-2A2
SGT-HF-1A1
SGT-HF-1A2
SGT-MC-6A
SGT-MC-7A
SGT-ME-16A
SGT-ME-17A
SGT-ME-3A
SGT-ME-4A
SGT-ME-5A
SGT-ME-6A
SGT-ME-7A
SGT-MS-1A
SGT-PP-ESH/1A+
SGT-PP-ESH/2A+
SGT-TC-1A1
SGT-TC-1A2
SGT-TC-2A1
SGT-TC-2A2
SGT-TE-1A
SGT-TE-1A1
SGT-TE-1A2
SGT-TE-2A1
SGT-TE-2A2
SGT-TE-6A
SGT-TE-6A1
SGT-TE-7A
SGT-TE-7A1
SGT-TE-8A1
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-TS-6A1
SGT-TS-7A1
SGT-TS-8A1
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-V-51A
SGT-V-52A
SGT-V-53A
SGT-V-54A
SGT-V-55A
SGT-V-56A
SGT-V-57A
SGT-V-58A
SGT-V-59A
SGT-V-60A
SGT-V-61A
SGT-V-62A
SGT-V-63A
SGT-V-64A
SGT-V-65A
SGT-V-66A
SGT-V-67A
SGT-V-68A
SGT-V-69A
SGT-V-704A
SGT-V-705A
SGT-V-706A
SGT-V-707A
SGT-V-708A
SGT-V-709A
SGT-V-710A
SGT-V-711A
SGT-V-712A
SGT-V-713A
SGT-V-714A
SGT-V-715A
SGT-V-71A
SGT-V-72A
SGT-FU-1B+
SGT-CF-1B1
SGT-CF-1B2
SGT-CNTR-ESH1B
SGT-CNTR-ESH2B
SGT-DPIS-1B
SGT-DPIS-2B
SGT-DPIS-3B
SGT-DPIS-4B
SGT-DPIS-5B
SGT-DPIS-6B

COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON RADIATION ZONE MAP REACTOR BUILDING EL. 572'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: NONE
JOB NO. 1140-001		REV.
DRAWING NO.	M-572	0
SHEET 3 OF 4		



ZONE A
NONE

ZONE B

- CAC-FCV-1A+
- CAC-EHO-1A/FCV
- CAC-FCV-1A
- CAC-LMS-1A/FCV
- CAC-M-1A/FCV
- CAC-V-6+
- CAC-LMS-6
- CAC-M-V6
- CAC-MO-6
- CAC-V-6

ZONE C

- REA-FN-1A+
- REA-FN-1A
- REA-M-1A
- REA-FN-1B+
- REA-FN-1B
- REA-M-1B
- ROA-FN-1A+
- ROA-FN-1A
- ROA-M-1A
- ROA-FN-1B+
- ROA-FN-1B
- ROA-M-1B

ZONE D

- CAC-PT-68A+
- CAC-PS-68A
- E-CP-CAC/HR1A+
- CAC-PI-5A1
- CAC-FIC-67A
- CAC-FR-67A1
- CAC-PS-6A
- CAC-LI-1A
- CAC-LS-1A
- CAC-PI-1A1
- CAC-R/I-4A
- CAC-RLY-4A/1234
- CAC-RMS-5A/LOCL
- CAC-RMS-EHC1A
- CAC-TDS-1A
- CAC-TIC-4A
- CAC-TR-1A1
- CAC-TS-1A
- CAC-TS-2A

- CAC-TS-3A
- CAC-TS-5A
- CAC-TS-6A
- E-MC-7BB+
- E-42-2ERSPARE
- E-42-7BB/6BSPAR
- E-42-7BB/7DSPAR
- E-42-7BB/8ASPAR
- E-42-7BB/8CSPAR
- E-42-7BB6A/SPAR
- E-42-CAC/1AFDR
- E-42-CAC/EHC1A
- E-42-CAC/FN1A
- E-42-ELP/7BA
- E-42-OBLGT/CP
- E-42-RHR/V16A
- E-42-RHR/V17A
- E-42-RHR/V3A
- E-42-RHR/V47A
- E-42-RHR/V48A
- E-42-RHR/V52A
- E-42-RHR/V68A
- E-42-RHR/V73A
- E-42-RHR/V74A
- E-42-RHR/V87A
- E-42-RRR/FN13
- E-42-RRR/FN15
- E-42-SGT/EHC1B1
- E-42-SGT/PN1A1
- E-42-SGT/PN1B1
- E-42-SGT/V1A
- E-42-SGT/V3A1
- E-42-SGT/V3B1
- E-42-SGT/V4A1
- E-42-SGT/V4B1
- E-42-SGT/V5A1
- E-42-SGT/V5B1
- E-42-SGTEHC1B1
- E-FUSE-8BB/1D
- E-RLY-CACFN1A
- E-RLY-RHRV16A
- E-RLY-RHRV17A
- E-RLY-RHRV3A
- E-RLY-RHRV47A
- E-RLY-RHRV48A
- E-RLY-RHRV52A
- E-RLY-RHRV68A
- E-RLY-RHRV87A
- E-RLY-SGTEH1A1
- E-RLY-SGTEH1B1
- E-RLY-SGTFN1A1
- E-RLY-SGTFN1B1
- E-RLY-SGTTK2B1
- E-RLY-SGTTK2B1
- E-RLY-SGTTK2B2

- E-RLY-SGTV1A
- E-RLY-SGTV3A1
- E-RLY-SGTV3B1
- E-RLY-SGTV4A1
- E-RLY-SGTV4B1
- E-RLY-SGTV5A1
- E-RLY-SGTV5B1
- E-TRB-7BB/TB2A
- E-TRB-7BB/TB2B
- E-TRB-7BB/TB2C
- E-TRB-7BB/TB3A
- E-TRB-7BB/TB3B
- E-TRB-7BB/TB3C
- E-TRB-7BB/TB4A
- E-TRB-7BB/TB4B
- E-TRB-7BB/TB4C
- E-TRB-7BB/TB5A
- E-TRB-7BB/TB5B
- E-TRB-7BB/TB5C
- E-TRB-7BB/TB6A
- E-TRB-7BB/TB6B
- E-TRB-7BB/TB6C
- E-TRB-7BB/TB7A
- E-TRB-7BB/TB7B
- E-TRB-7BB/TB7C
- E-TRB-7BB/TB8A
- E-TRB-7BB/TB8B
- E-TRB-7BB/TB8C
- E-TRB-CACFN1A
- E-TRB-RHRV16A
- E-TRB-RHRV17A
- E-TRB-RHRV3A
- E-TRB-RHRV47A
- E-TRB-RHRV48A
- E-TRB-RHRV52A
- E-TRB-RHRV68A
- E-TRB-RHRV73A
- E-TRB-RHRV74A
- E-TRB-RHRV87A
- E-TRB-RRRPN13
- E-TRB-RRRPN15
- E-TRB-SGTFN1A1
- E-TRB-SGTFN1B1
- E-TRB-SGTV1A
- E-TRB-SGTV3A1
- E-TRB-SGTV3B1
- E-TRB-SGTV4A1
- E-TRB-SGTV4B1
- E-TRB-SGTV5A1
- E-TRB-SGTV5B1

- ROA-AD-13+
- ROA-AD-13
- ROA-AO-AD13
- ROA-LMS-13
- ROA-SPV-13

- RRA-FC-13+
- RRA-CC-13
- RRA-FC-13
- RRA-FN-13
- RRA-M-13
- SGT-PP-EHC/1A1+
- SGT-RLY-EH1A11
- SGT-RLY-EH1A12
- SGT-RLY-EH1A13
- SGT-RLY-EH1A14
- SGT-RLY-EH1A15
- SGT-RLY-EH1A16
- SGT-RLY-EH1A17
- SGT-RMS-EH1A15
- SGT-RMS-EH1A16
- SGT-RMS-EH1A19
- SGT-RMS-EH1A1T1
- SGT-RMS-EH1A1T2
- SGT-RMS-EH1A1T3
- SGT-XE-1RH/1A1
- SGT-XE-1RH/1A2
- SGT-XE-1RHS/1A1
- SGT-XE-1RHS/1A2
- SGT-XE-2RH/1A1
- SGT-XE-2RHS/1A1
- SGT-XE-3RH/1A1
- SGT-XE-3RHS/1A1
- SGT-PP-EHC/1B1+
- SGT-RLY-EH1B11
- SGT-RLY-EH1B12
- SGT-RLY-EH1B13
- SGT-RLY-EH1B14
- SGT-RLY-EH1B15
- SGT-RLY-EH1B16
- SGT-RLY-EH1B17
- SGT-RMS-EH1B15
- SGT-RMS-EH1B16
- SGT-RMS-EH1B19
- SGT-RMS-EH1B1T1
- SGT-RMS-EH1B1T2
- SGT-RMS-EH1B1T3
- SGT-XE-1RH/1B1
- SGT-XE-1RH/1B2
- SGT-XE-1RHS/1B1
- SGT-XE-1RHS/1B2
- SGT-XE-2RH/1B1
- SGT-XE-2RHS/1B1
- SGT-XE-3RH/1B1
- SGT-XE-3RHS/1B1

ZONE E
NONE

ZONE F

- CAC-CR-1A+
- CAC-TE-1A2
- CAC-TE-1A3
- CAC-TE-1A4
- CAC-TE-1A5
- CAC-TE-1A6
- CAC-TE-1A7
- CAC-CR-1B+
- CAC-TE-1B2
- CAC-TE-1B3
- CAC-TE-1B4
- CAC-TE-1B5
- CAC-TE-1B6
- CAC-TE-1B7
- CAC-EHC-1A+
- CAC-CNTR-1A
- CAC-EHC-1B+
- CAC-CNTR-1B
- CAC-EV-1A+
- CAC-EV-1A
- CAC-RV-63A
- CAC-RV-65A
- CAC-EV-1B+
- CAC-EV-1B
- CAC-RV-63B
- CAC-RV-65B
- CAC-FCV-5A+
- CAC-EHO-5A/FCV
- CAC-FCV-5A
- CAC-LMS-5A/FCV
- CAC-M-5A/FCV
- CAC-FCV-5B+
- CAC-EHO-5B/FCV
- CAC-FCV-5B
- CAC-LMS-5B/FCV
- CAC-M-5B/FCV
- CAC-FCV-6A+
- CAC-EHO-6A/FCV
- CAC-FCV-6A
- CAC-LMS-6A/FCV
- CAC-M-6A/FCV
- CAC-FCV-6B+
- CAC-EHO-6B/FCV
- CAC-FCV-6B
- CAC-LMS-6B/FCV
- CAC-M-6B/FCV
- CAC-HR-1A+
- CAC-AW-1A
- CAC-CR-1A
- CAC-E/S-1A24
- CAC-E/S-1A43
- CAC-EHC-1A

- CAC-EV-1A+
- CAC-FCV-22A
- CAC-FCV-5A+
- CAC-FCV-6A+
- CAC-FCV-8A
- CAC-FE-5A
- CAC-FE-6A
- CAC-FE-7A
- CAC-FI-8A
- CAC-FN-1A
- CAC-FT-5A
- CAC-FT-6A
- CAC-FT-7A
- CAC-LT-1A
- CAC-M-1A
- CAC-MS-1A
- CAC-PI-2A
- CAC-PI-3A
- CAC-PT-1A
- CAC-PT-6BA
- CAC-RD-1A
- CAC-RES-LI/1A
- CAC-RES-R/I4A
- CAC-RLY-CR5A
- CAC-RLY-CR6A
- CAC-RMS-10A/LOC
- CAC-RMS-11A/LOC
- CAC-RMS-1ASTA
- CAC-RMS-1ASTO
- CAC-RMS-2A/LOCL
- CAC-RMS-PBA
- CAC-ST-1A
- CAC-TCV-4A+
- CAC-TE-1A
- CAC-TE-1A1
- CAC-TE-2A
- CAC-TE-3A
- CAC-TE-4A
- CAC-TE-5A
- CAC-TE-6A
- CAC-TI-4A
- CAC-V-10A
- CAC-V-11A
- CAC-V-13A
- CAC-V-14A
- CAC-V-15A
- CAC-V-17A
- CAC-V-18A
- CAC-V-1A+
- CAC-V-24A
- CAC-V-25A
- CAC-V-27A
- CAC-V-28A
- CAC-V-29A
- CAC-V-2A+

- CAC-V-314A
- CAC-V-32A
- CAC-V-3A+
- CAC-V-51A
- CAC-V-52A
- CAC-V-53A
- CAC-V-55A
- CAC-V-56A
- CAC-V-57A
- CAC-V-58A
- CAC-V-59A
- CAC-V-61A
- CAC-V-62A
- CAC-V-64A
- CAC-HR-1B+
- CAC-AW-1B
- CAC-CR-1B
- CAC-E/S-1B24
- CAC-E/S-1B43
- CAC-EHC-1B
- CAC-EV-1B+
- CAC-FCV-22B
- CAC-FCV-5B+
- CAC-FCV-6B+
- CAC-FCV-8B
- CAC-FE-5B
- CAC-FE-6B
- CAC-FE-7B
- CAC-FI-8B
- CAC-FN-1B
- CAC-FT-5B
- CAC-FT-6B
- CAC-FT-7B
- CAC-LT-1B
- CAC-M-1B
- CAC-MS-1B
- CAC-PI-2B
- CAC-PI-3B
- CAC-PT-1B
- CAC-PT-6BB
- CAC-RD-1B
- CAC-RES-LI/1B
- CAC-RES-R/I4B
- CAC-RLY-CR5B
- CAC-RLY-CR6B
- CAC-RMS-10B/LOC
- CAC-RMS-11B/LOC
- CAC-RMS-1BSTA
- CAC-RMS-1BSTO
- CAC-RMS-2B/LOCL
- CAC-RMS-PBB
- CAC-ST-1B
- CAC-TCV-4B+
- CAC-TE-1B
- CAC-TE-1B1

- CAC-TE-2B
- CAC-TE-3B
- CAC-TE-4B
- CAC-TE-5B
- CAC-TE-6B
- CAC-TT-4B
- CAC-V-10B
- CAC-V-11B
- CAC-V-13B
- CAC-V-14B
- CAC-V-15B
- CAC-V-17B
- CAC-V-18B
- CAC-V-1B+
- CAC-V-24B
- CAC-V-25B
- CAC-V-27B
- CAC-V-28B
- CAC-V-29B
- CAC-V-2B+
- CAC-V-314B
- CAC-V-32B
- CAC-V-3B+
- CAC-V-51B
- CAC-V-52B
- CAC-V-53B
- CAC-V-55B
- CAC-V-56B
- CAC-V-57B
- CAC-V-58B
- CAC-V-59B
- CAC-V-61B
- CAC-V-62B
- CAC-V-64B
- CAC-TCV-4A+
- CAC-EHO-4A
- CAC-LMS-4A/TCV
- CAC-M-4A/TCV
- CAC-TCV-4A
- CAC-TCV-4B+
- CAC-EHO-4B
- CAC-LMS-4B/TCV
- CAC-M-4B/TCV
- CAC-TCV-4B
- CAC-V-1A+
- CAC-EHO-1A
- CAC-LMS-1A
- CAC-M-V1A
- CAC-V-1A
- CAC-V-1B+
- CAC-EHO-1B
- CAC-LMS-1B
- CAC-M-V1B
- CAC-V-1B
- CAC-V-2A+

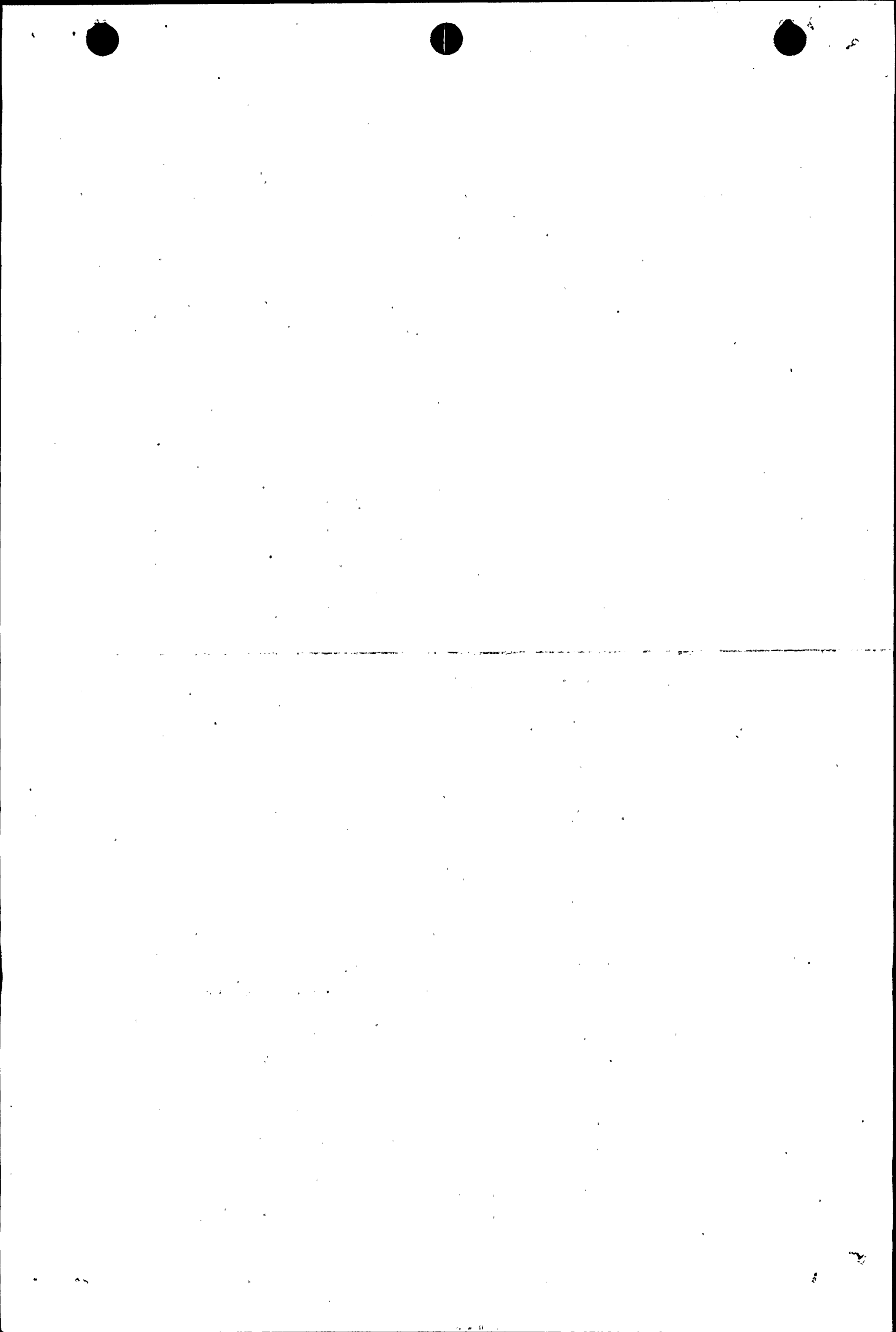
- CAC-EHO-2A
- CAC-LMS-2A
- CAC-M-V2A
- CAC-V-2A
- CAC-V-2B+
- CAC-EHO-2B
- CAC-LMS-2B
- CAC-M-V2B
- CAC-V-2B
- CAC-V-3A+
- CAC-EHO-3A
- CAC-LMS-3A
- CAC-M-V3A
- CAC-V-3A
- CAC-V-3B+
- CAC-EHO-3B
- CAC-LMS-3B
- CAC-M-V3B
- CAC-V-3B
- RCIC-V-66+
- RCIC-AO-66
- ROA-V-1+
- ROA-AO-V1
- ROA-SPV-100
- ROA-V-1
- ROA-V-2+
- ROA-AO-V2
- ROA-SPV-200
- ROA-V-2

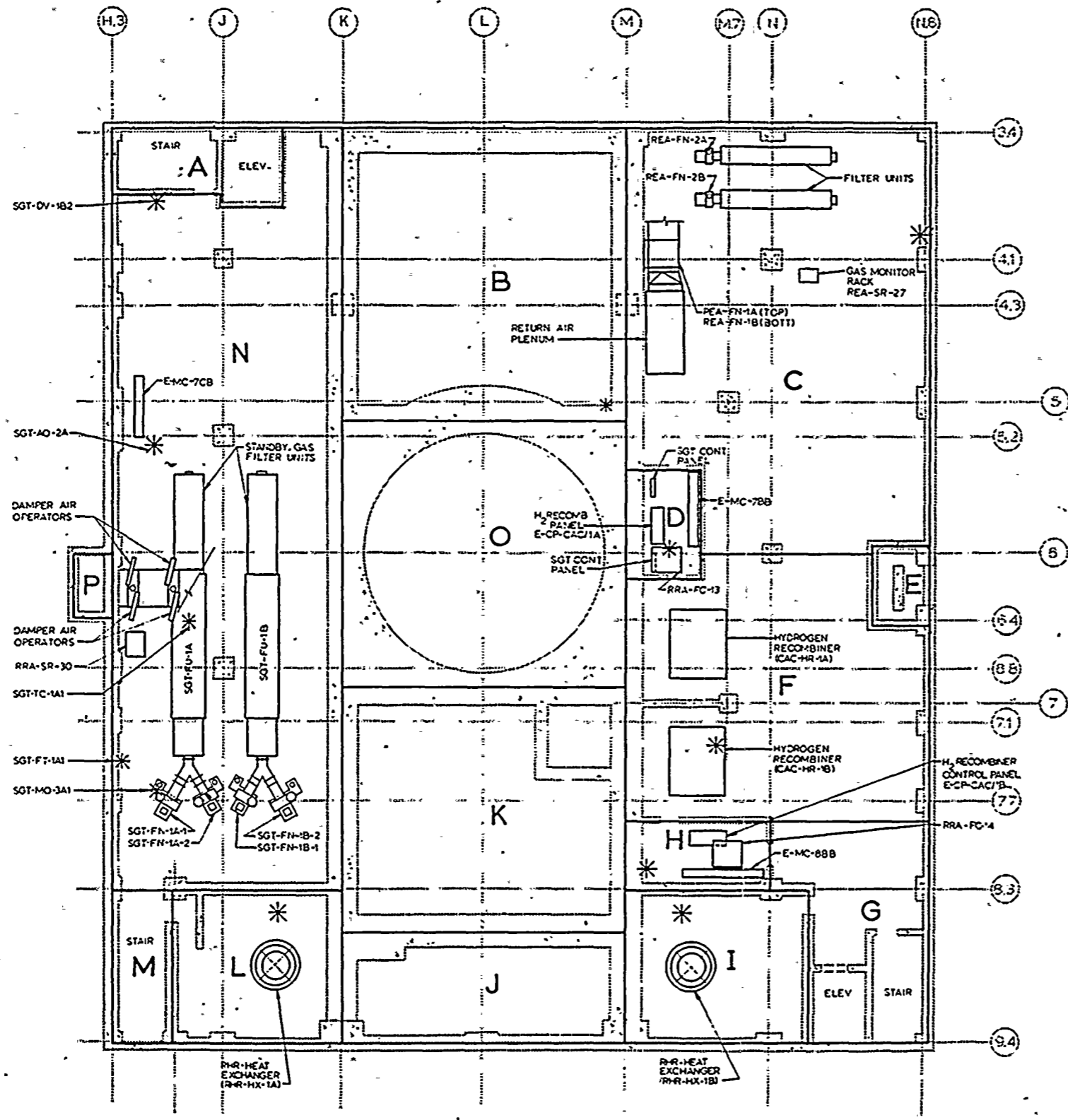
ZONE G
NONE

ZONE H

- CAC-PT-68B+
- CAC-PS-68B
- E-CP-CAC/HR1B+
- CAC-PI-5B1
- CAC-FIC-67B
- CAC-FR-67B1
- CAC-PS-6B
- CAC-LI-1B
- CAC-LS-1B
- CAC-PI-1B1
- CAC-R/I-4B
- CAC-RLY-4B/1234
- CAC-RMS-5B/LOCL
- CAC-RMS-EHC1B
- CAC-TDS-1B
- CAC-TIC-4B
- CAC-TR-1B1

COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON RADIATION ZONE MAP REACTOR BUILDING EL. 572'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: NONE
JOB NO: 1140-001		REV.:
DRAWING NO:	M-572	0
SHEET 2 OF 3		





**SAFETY RELATED EQUIPMENT
-BY ZONES**

ZONE A NONE	ZONE F * CAC-M-1B • 6.6x10 ⁶ rad.	ZONE I * RHR-MO-47B • 1.1x10 ⁶ rad.	REA-V-2+ SGT-DV-1A1+ SGT-DV-1A2+ SGT-DV-1A3+ SGT-DV-1B1+ SGT-DV-1B2+ SGT-DV-1B3+ SGT-EHC-1A1+ SGT-EHC-1A2+ SGT-EHC-1B1+ SGT-EHC-1B2+ 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+
ZONE B * CAC-MO-6 • 7.6x10 ⁵ rad. CAC-PCV-1A+ CAC-V-6+	CAC-CR-1A+ CAC-CR-1B+ CAC-EHC-1A+ CAC-EHC-1B+ CAC-EV-1A+ CAC-EV-1B+ CAC-FCV-5A+ CAC-FCV-5B+ CAC-FCV-6A+ CAC-FCV-6B+ CAC-HR-1A+ CAC-HR-1B+ CAC-TCV-4A+ CAC-TCV-4B+ CAC-V-1A+ CAC-V-1B+ CAC-V-2A+ CAC-V-2B+ CAC-V-3A+ CAC-V-3B+ RCIC-V-66+ ROA-V-1+ ROA-V-2+	RHR-PCV-51B+ RHR-V-47B+ RHR-V-52B+ RHR-V-73B+ RHR-V-74B+ RHR-V-87B+ RHR-RV-1B	REA-V-1+ SGT-DV-1A1+ SGT-DV-1A2+ SGT-DV-1A3+ SGT-DV-1B1+ SGT-DV-1B2+ SGT-DV-1B3+ SGT-EHC-1A1+ SGT-EHC-1A2+ SGT-EHC-1B1+ SGT-EHC-1B2+ 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+
ZONE C * REA-DPT-1A3 • 3.0x10 ⁴ rad. 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	RHR-RV-1B	REA-DPT-1A3 REA-DPT-1B2 REA-RE-9A REA-RE-9B REA-RE-9C REA-RE-9D ROA-DPS-11A ROA-DPS-11B
ZONE D * RRA-M-13 • 5.4x10 ⁴ rad. CAC-PT-68A+ E-CP-CAC/HR1A+ E-MC-7BB+ ROA-AD-13+ RRA-FC-13+ SGT-PP-EHC/1A1+ SGT-PP-EHC/1B1+	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	ZONE J NONE	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
ZONE E NONE	ZONE G NONE	ZONE K NONE	ZONE L * RHR-MO-47A • 1.2x10 ⁶ rad. RHR-PCV-51A+ RHR-V-47A+ RHR-V-52A+ RHR-V-73A+ RHR-V-74A+ RHR-V-87A+
	ZONE H * SGT-EHC-1B2 • 3.8x10 ⁴ rad. CAC-PT-68B+ E-CP-CAC/HR1B+ E-MC-8BB+ ROA-AD-14+ RRA-FC-14+ SGT-PP-EHC/1A2+ SGT-PP-EHC/1B2+	ZONE M NONE	RHR-PCV-51A+ RHR-V-47A+ RHR-V-52A+ RHR-V-73A+ RHR-V-74A+ RHR-V-87A+
	ZONE N * SGT-TC-1A1 • 1.9x10 ⁸ rad.	ZONE O NONE	REA-DPT-1A RHR-RV-1A
		ZONE P NONE	REA-DPT-1A RHR-RV-1A
		ZONE Q NONE	PFC-LIS-1A PFC-LIS-1B PFC-LIS-2A PFC-LIS-2B PFC-LIS-3A1 PFC-LIS-3A2 PFC-LIS-3B1 PFC-LIS-3B2 REA-DPT-1A1 REA-DPT-1B1

NOTES:

- * & • ARE IDENTIFIED IN GENERAL NOTES 2 & 3 ON DRAWING M-422 SHEET 1
- SEE DRAWING M-572 SHEETS 2,3 & 4 FOR COMPONENTS OF LISTED COMPOSITES
- SEE GENERAL NOTE 8 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION

REACTOR BUILDING EL. 572'-0"

RADIATION ZONE MAP REACTOR BUILDING EL. 572'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE 1/8" = 1'-0"
		JOB NO. 1140-001
DRAWING NO.	REV	
M-572	4	
SHEET 1 OF 4		



ZONE A
NONE

ZONE B

- RCIC-V-64+
- RCIC-LMS-64
- RCIC-M-V64
- RCIC-MO-64
- RCIC-V-64
- RHR-V-16A+
- RHR-M-V16A
- RHR-MO-16A
- RHR-V-16A
- RHR-V-17A+
- RHR-M-V17A
- RHR-MO-17A
- RHR-V-17A

ZONE C

- E-IR-P011+
- SLC-FIC-4
- SLC-LI-1
- SLC-LT-1
- SLC-RMS-S3

- ROA-AD-15+
- ROA-AD-15
- ROA-AO-AD15
- ROA-LMS-15
- ROA-SPV-15
- ROA-AD-17+
- ROA-AD-17
- ROA-AO-AD17
- ROA-LMS-17
- ROA-SPV-17
- SLC-P-1A+
- SLC-M-1A
- SLC-P-1A
- SLC-RV-29A
- SLC-P-1B+
- SLC-M-1B
- SLC-P-1B
- SLC-RV-29B
- SLC-TK-1+
- SLC-EHC-2
- SLC-EHC-3
- SLC-TE-6
- SLC-TIC-2
- SLC-TK-1
- SLC-TS-3

- SLC-TK-2+
- SLC-TK-2
- SLC-V-1A+
- SLC-LMS-1A
- SLC-M-V1A
- SLC-MO-1A
- SLC-V-1A
- SLC-V-1B+
- SLC-LMS-1B
- SLC-M-V1B
- SLC-MO-1B
- SLC-V-1B

ZONE D
NONE

ZONE E

- RRA-PC-15+
- RRA-CC-15
- RRA-PC-15
- RRA-FN-15
- RRA-M-15
- S-SR-13+
- CMS-AY-1
- S-SR-15+
- S-SR-20+
- CMS-RE-12A

ZONE F

- RRA-PC-17+
- RRA-CC-17
- RRA-FC-17
- RRA-FN-17
- RRA-M-17
- S-SR-14+
- CMS-AY-2
- S-SR-21+
- CMS-RE-12B

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
- CIA-TDS-39A
- CMS-PT-1
- CMS-PT-5
- RCIC-SPV-65
- ROA-RLY-CR1A

ZONE H

- CAC-FCV-2B+
- CAC-EHO-2B/PCV
- CAC-FCV-2B
- CAC-LMS-2B/PCV
- CAC-M-2B/PCV
- CAC-V-11+
- CAC-LMS-11
- CAC-M-V11
- CAC-MO-11
- RCIC-V-13+
- RCIC-LMS-13
- RCIC-M-V13
- RCIC-MO-13
- RCIC-V-13
- RCIC-V-65+
- RCIC-AMP-65
- RCIC-AO-65
- RCIC-LMS-65
- RCIC-V-65
- RHR-V-23+
- RHR-M-V23
- RHR-MO-23
- RHR-V-23

ZONE I
NONE

ZONE J

- RHR-HX-1B+
- RHR-HX-1B
- RHR-LT-8B
- RHR-V-710B
- RHR-V-711B
- RHR-V-115+
- RHR-M-V115
- RHR-MO-94
- RHR-V-115
- RHR-V-116+
- RHR-M-V116
- RHR-MO-93

- RHR-V-116
- RHR-V-3B+
- RHR-M-V3B
- RHR-MO-3B
- RHR-V-3B
- RHR-V-40+
- RHR-M-V40
- RHR-MO-40
- RHR-V-40
- RHR-V-48B+
- RHR-M-V48B
- RHR-MO-48B
- RHR-V-48B
- RHR-V-49+
- RHR-M-V49
- RHR-MO-49
- RHR-V-49
- RHR-V-68B+
- RHR-M-V68B
- RHR-MO-68B
- RHR-V-68B
- RHR-V-89+
- RHR-AO-89
- RHR-LMS-89
- RHR-V-89

ZONE K

- CAC-FCV-2A+
- CAC-EHO-2A/PCV
- CAC-PCV-2A
- CAC-LMS-2A/PCV
- CAC-M-2A/PCV
- CAC-V-2+
- CAC-LMS-2
- CAC-M-V2
- CAC-MO-2
- CAC-V-2
- ROA-AD-19+
- ROA-AD-19
- ROA-LMS-19
- ROA-M-AD19

ZONE L

- FPC-P-1A+
- FPC-M-1A
- FPC-P-1A
- FPC-P-1B+
- FPC-M-1B
- FPC-P-1B
- FPC-V-113+
- FPC-AO-113
- FPC-V-113

- FPC-V-181A+
- FPC-M-V181A
- FPC-MO-181A
- FPC-V-181A
- FPC-V-181B+
- FPC-M-V181B
- FPC-MO-181B
- FPC-V-181B
- RCC-V-129+
- RCC-LMS-V129
- RCC-M-V129
- RCC-MO-129
- RCC-V-129
- RCC-V-130+
- RCC-LMS-V130
- RCC-M-V130
- RCC-MO-130
- RCC-V-130
- RCC-V-131+
- RCC-LMS-V131
- RCC-M-V131
- RCC-MO-131
- RCC-V-131
- RHR-V-134B+
- RHR-M-V134B
- RHR-MO-134B
- RHR-V-134B
- RRA-FC-19+
- RRA-CC-19
- RRA-FC-19
- RRA-FN-19
- RRA-M-19
- RRA-FC-20+
- RRA-CC-20
- RRA-FC-20
- RRA-FN-20
- RRA-M-20

- SW-V-187A+
- SW-M-V187A
- SW-MO-187A
- SW-V-187A
- SW-V-187B+
- SW-M-V187B
- SW-MO-187B
- SW-V-187B
- SW-V-188A+
- SW-M-V188A
- SW-MO-188A
- SW-V-188A
- SW-V-188B+
- SW-M-V188B
- SW-MO-188B
- SW-V-188B

ZONE M

- FPC-V-175+
- FPC-M-V175
- FPC-MO-175
- FPC-V-175
- RHR-V-134A+
- RHR-M-V134A
- RHR-MO-134A
- RHR-V-134A

ZONE N

- RHR-HX-1A+
- RHR-HX-1A
- RHR-LT-8A
- RHR-V-710A
- RHR-V-711A
- RHR-V-3A+
- RHR-M-V3A
- RHR-MO-3A
- RHR-V-3A
- RHR-V-48A+
- RHR-M-V48A
- RHR-MO-48A
- RHR-V-48A
- RHR-V-68A+
- RHR-M-V68A
- RHR-MO-68A
- RHR-V-68A

ZONE O
NONE

ZONE P

- E-IR-68+
- CAC-FT-1B
- CAC-FT-2B
- CEP-SPV-2A
- CEP-SPV-2B
- CIA-PROG-1B
- CIA-PS-21B
- CIA-PS-22B
- CIA-PT-21B
- CIA-RLY-21B
- CIA-TDS-1B
- CIA-TDS-39B
- CMS-PT-2
- CMS-PT-2R
- CMS-PT-6
- CMS-PT-6R
- REA-RLY-CR2

ZONE Q

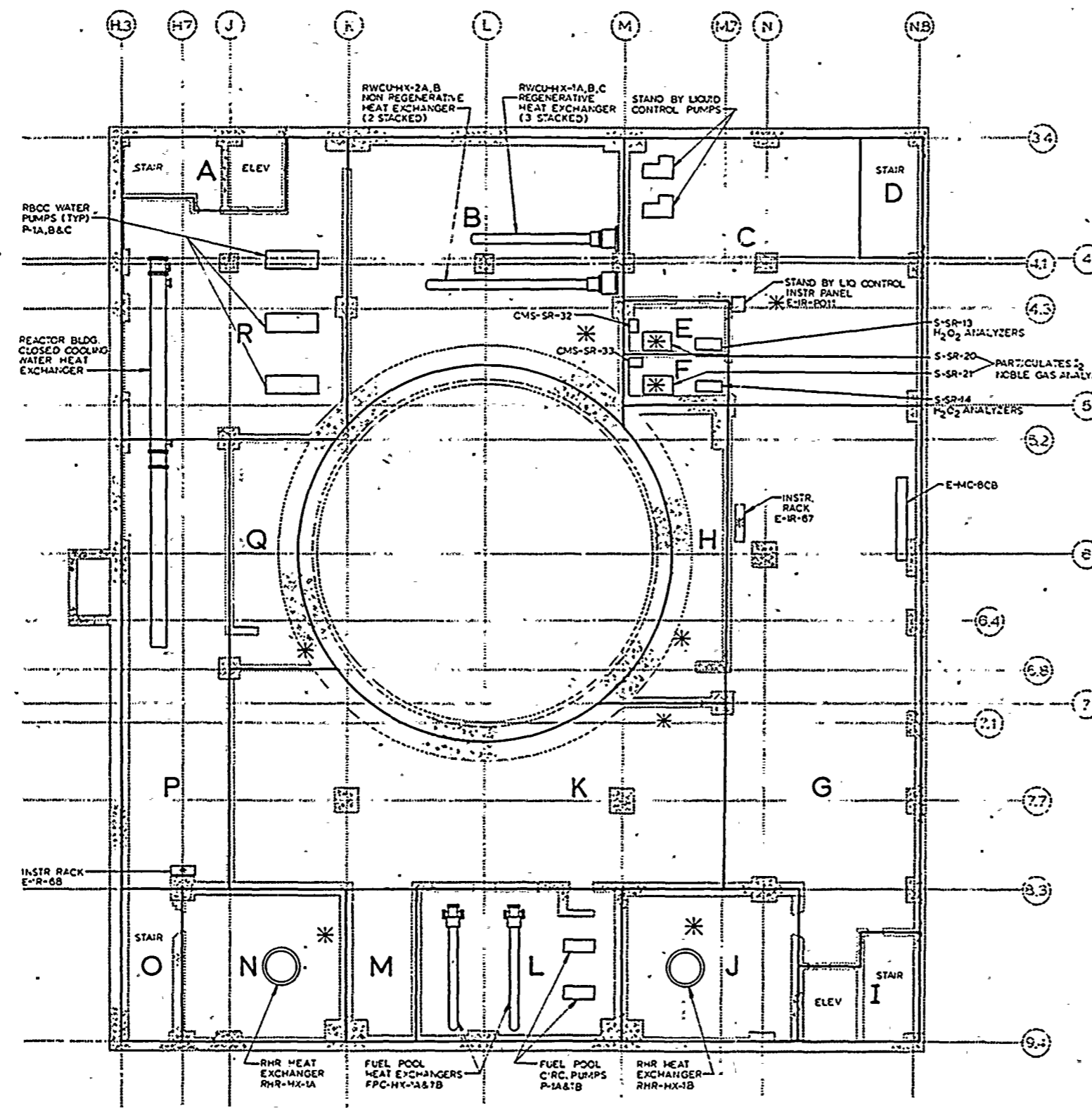
- REA-SPV-2
- CAC-PCV-1B+
- CAC-EHO-1B/PCV
- CAC-FCV-1B
- CAC-LMS-1B/PCV
- CAC-M-1B/PCV
- CAC-V-15+
- CAC-LMS-15
- CAC-M-V15
- CAC-MO-15
- CAC-V-15
- CEP-V-1A+
- CEP-AO-1A
- CEP-LMS-1A
- CEP-V-1A
- CEP-V-1B+
- CEP-AO-1B
- CEP-LMS-1B
- CEP-V-1B
- CEP-V-2A+
- CEP-AO-2A
- CEP-LMS-2A
- CEP-V-2A
- CEP-V-2B+
- CEP-AO-2B
- CEP-LMS-2B
- CEP-V-2B

ZONE R
NONE

COMPONENT EQUIPMENT LIST FOR
COMPOSITE EQUIPMENT SHOWN ON
RADIATION ZONE MAP
REACTOR BUILDING EL. 548'-0"
WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

SCALE	NONE
JOB NO.	1140-001
DRAWING NO.	M-548
REV.	0
SHEET	2 OF 2





SAFETY RELATED EQUIPMENT - BY ZONES

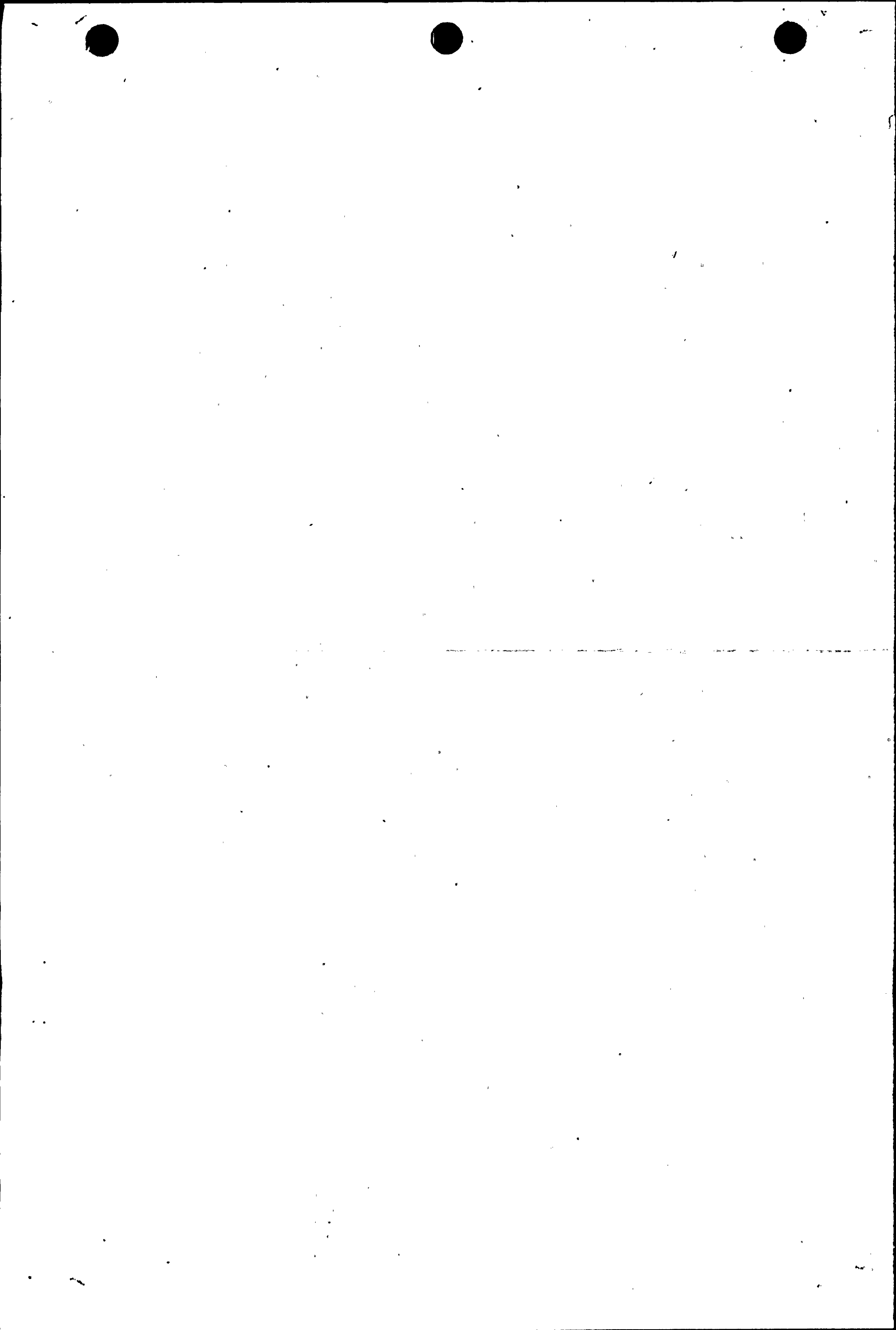
ZONE A NONE	ZONE F • S-SR-21+ • 1.7x10 ⁴ rad.	RHR-CE-1B RHR-SPV-89 RHR-SV-60A RHR-SV-75B RHR-TE-5B	ZONE N • RHR-MO-3A • 2.1x10 ⁶ rad.
ZONE B • RCIC-MO-64 • 3.4x10 ⁶ rad.	RRA-FC-17+ S-SR-14+ S-SR-21+	ZONE K • CAC-EHO-2A/FCV • 1.0x10 ⁵ rad.	RHR-HX-1A+ RHR-V-3A+ RHR-V-48A+ RHR-V-68A+
RCIC-V-64+ RHR-V-16A+ RHR-V-17A+	ZONE G • E-IR-67+ • 3.6x10 ³ rad.	CAC-FCV-2A+ CAC-V-2+ ROA-AD-19+	RHR-LS-4 RHR-CE-1A RHR-SV-60B RHR-SV-75A RHR-TE-5A
LD-TE-1E LD-TE-1F LD-TE-2E LD-TE-2F LD-TE-3E LD-TE-3F RCIC-LS-6	ZONE H • CAC-EHO-2B/FCV • 1.6x10 ⁶ rad.	RHR-TE-27A RHR-TE-27B	ZONE L • RHR-MO-134B • 1.5x10 ⁵ rad.
ZONE C • ROA-AD-15 • 9.9x10 ³ rad.	CAC-FCV-2B+ CAC-V-11+ RCIC-V-13+ RCIC-V-65+ RHR-V-23+	ZONE O NONE	ZONE P • E-IR-68+ • 8.5x10 ⁴ rad.
E-IR-P011+ ROA-AD-15+ ROA-AD-17+ SLC-P-1A+ SLC-P-1B+ SLC-TK-1+ SLC-TK-2+ SLC-V-1A+ SLC-V-1B+	RHR-TE-27A RHR-TE-27B	ZONE Q • CAC-EHO-1B/FCV • 8.7x10 ⁵ rad.	E-IR-68+
E-IR-P011+ ROA-AD-15+ ROA-AD-17+ SLC-P-1A+ SLC-P-1B+ SLC-TK-1+ SLC-TK-2+ SLC-V-1A+ SLC-V-1B+	RCIC-SPV-19B RHR-FE-12 RHR-FE-14B RHR-PT-13	SW-V-187A+ SW-V-187B+ SW-V-188A+ SW-V-188B+	ZONE R NONE
SLC-PI-3 SLC-PT-4 SLC-V-4A SLC-V-4B	ZONE I NONE	ZONE M • RHR-MO-134A • 4.4x10 ⁴ rad.	CAC-FCV-1B+ CAC-V-15+ CEP-V-1A+ CEP-V-1B+ CEP-V-2A+ CEP-V-2B+
ZONE D NONE	ZONE J • RHR-MO-49 - • 3.1x10 ⁶ rad.	PFC-HX-1A PFC-HX-1B PFC-RV-117A PFC-RV-117B RCC-RV-34A RCC-RV-34B RCC-TS-10A RCC-TS-10B RHR-SV-182	RHR-PE-14A
ZONE E • S-SR-20+ • 9.0x10 ³ rad.	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+	RHR-PE-14A	ZONE R NONE
RRA-FC-15+ S-SR-13+ S-SR-20+	ZONE M • RHR-MO-134A • 4.4x10 ⁴ rad.		

NOTES:

- * & • ARE IDENTIFIED IN GENERAL NOTES 2 & 3 ON DRAWING M-422 SHEET 1
- SEE DRAWING M-548 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES
- SEE GENERAL NOTE 6 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION

REACTOR BUILDING EL. 548'-0"

RADIATION ZONE MAP REACTOR BUILDING EL. 548'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: 1/8" = 1'-0"
JOB NO.: 1140-001		
DRAWING NO.	REV	
M-548	3	
SHEET 1 OF 2		



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-3915
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

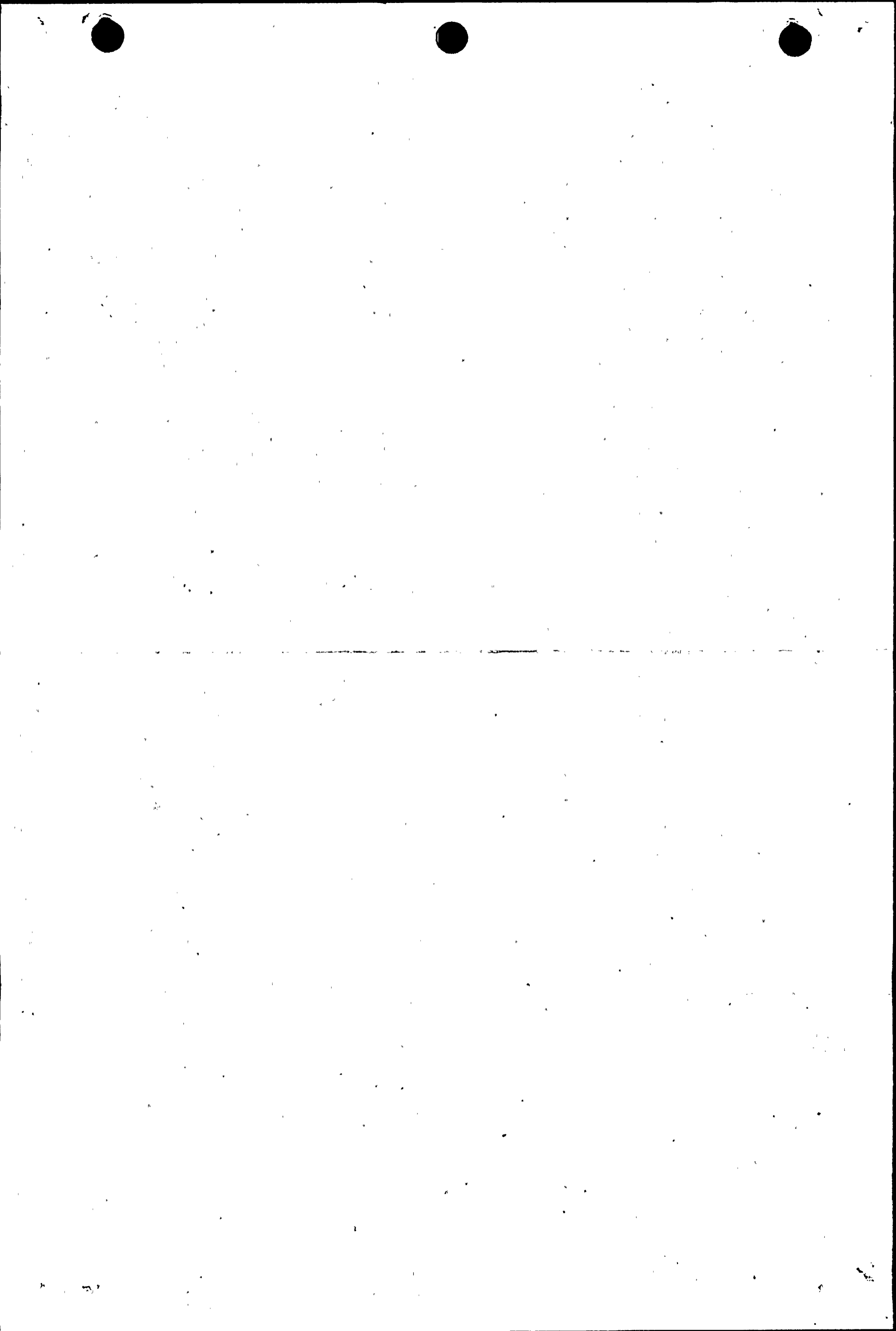
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CRD-HCU-1023
CRD-HCU-1027
CRD-HCU-1031
CRD-HCU-1035
CRD-HCU-1039
CRD-HCU-1043
CRD-HCU-1047
CRD-HCU-1051
CRD-HCU-1407
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CRD-HCU-1819
CRD-HCU-1823
CRD-HCU-1827
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CRD-HCU-1835
CRD-HCU-1839
CRD-HCU-1843
CRD-HCU-1847
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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

LISTING OF CRD-HCU-XXXX & CRD-HCU GENERIC COMPONENTS RADIATION ZONE MAP REACTOR BUILDING EL. 522'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: NONE
JOB NO. 1140-001		
DRAWING NO.	REV.	
M-522	0	
SHEET 4 OF 4		



ZONE J CON'T

HY-V-B2/11
HY-V-B2/12
HY-V-B2/13
HY-V-B2/14
HY-V-B2/16
HY-V-B2/17
HY-V-B2/35
HY-V-B2/6
HY-V-B2/7
HY-V-B2/8
HY-V-B2/9
HY-V-17B+
HY-POS-V17B
HY-V-18B+
HY-POS-V18B
HY-V-19B+
HY-POS-V19B
HY-V-20B+
HY-POS-V20B

ZONE K

CIA-V-20+
CIA-LMS-20
CIA-M-V20
CIA-MO-20
CIA-V-20
E-IR-71+
CIA-PS-39A
CIA-PT-20
FPC-PI-6AG
FPC-PS-6A
FPC-PS-9A
FPC-RMS-P1A
RCIC-SPV-66
REA-RLY-CR1
REA-SPV-1
RHR-I/P-1A
RHR-I/P-3A
RHR-SPV-51A
RHR-SPV-65A

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/1

MSLC-RLY-CR/3
MSLC-RLY-CR/4
MSLC-RLY-CR/5
MSLC-RLY-TK/2

E-IR-P004+
MS-LIS-24A
MS-LIS-31A
MS-LIS-31C
MS-LIS-31D
MS-LITS-26A
MS-PS-20A
MS-PS-23A
MS-PS-47A
MS-PS-47C
RPS-PS-2A
RPS-PS-4

ROA-AD-11+
ROA-AD-11
ROA-AO-AD11
ROA-LMS-11
ROA-SPV-11
RRC-SV-20+
RRC-POS-20
RRC-SV-20
S-SR-42+
SW-RE-4
SW-RT-1
SW-V-75A+
SW-M-V75A
SW-MO-75A
SW-V-75A

ZONE L

NONE

ZONE M

NONE

ZONE N

E-MC-7B+
E-42-7B/7CSPARE
E-42-CIA/CIA
E-42-CIA/V20

E-42-CIA/V30A
E-42-CRA/AD1A1
E-42-CRA/AD2A
E-42-CRA/PN1A1
E-42-CRA/PN1A2
E-42-CRA/PN2A1
E-42-CRA/PN2A2
E-42-CRA/PN3A
E-42-CRA/PN4A
E-42-CRA/PN5A
E-42-CRA/PN5C
E-42-ELP/7BB
E-42-LPCS/P2
E-42-RCIC/P3
E-42-RRR/PN11
E-42-RRR/PN12
E-42-RRR/PN2
E-42-RRR/PN5
E-42-SGTESH1A
E-42-SGTESH2A
E-42-SLC/P1A
E-42-SLC/V1A
E-42-SW/V24A
E-42-SW/V44
E-CB-MC7BA
E-CB-MC7BB
E-RLY-ARSTD2A1
E-RLY-CRAR2A1
E-RLY-CRAR2A2
E-RLY-CRARCAF4A
E-RLY-RCICP3
E-RLY-SLCP1A
E-RLY-SLCP1A
E-RLY-SWV44
E-TM-CRAPN1A2
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E-TRB-7B/TB3B
E-TRB-7B/TB3C
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E-TRB-SWV44
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E-42-MS/V67B
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E-42-RCC/V5
E-42-RHR/PCV64A
E-42-RHR/V11A
E-42-RHR/V124A
E-42-RHR/V124B
E-42-RHR/V134A
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E-42-RHR/V53A
E-42-RHR/V53B
E-42-RHR/V6A
E-42-RRC/V16B
E-42-SW/V187A
E-42-SW/V75A
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E-RLY-MSLCV3B
E-RLY-MSLCV3C
E-RLY-MSLCV3D
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E-RLY-RHRV24A
E-RLY-RHRV26A
E-RLY-RHRV27A
E-RLY-RHRV42A
E-RLY-RHRV4A
E-RLY-RHRV53A
E-RLY-RHRV53B
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E-TRB-MSLCV1C
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E-TRB-MSLCV2C
E-TRB-MSLCV2D
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E-TRB-MSLCV3C
E-TRB-MSLCV3D
E-TRB-MSV67C
E-TRB-MSV67D
E-TRB-RCCV21
E-TRB-RCCV5
E-TRB-RHRFCV64A
E-TRB-RHRV124A
E-TRB-RHRV124B
E-TRB-RHRV134A
E-TRB-RHRV24A
E-TRB-RHRV26A

E-TRB-RHRV27A
E-TRB-RHRV42A
E-TRB-RHRV53A
E-TRB-RHRV53B
E-TRB-RRCV16A
E-TRB-RRCV16B
E-TRB-SWV75A
RRA-FC-11+
RRA-CC-11
RRA-FC-11
RRA-PN-11
RRA-M-11

ZONE O

RHR-V-42A+
RHR-M-V42A
RHR-MO-42A
RHR-V-42A
RHR-V-42C+
RHR-M-V42C
RHR-MO-42C
RHR-V-42C

ZONE P

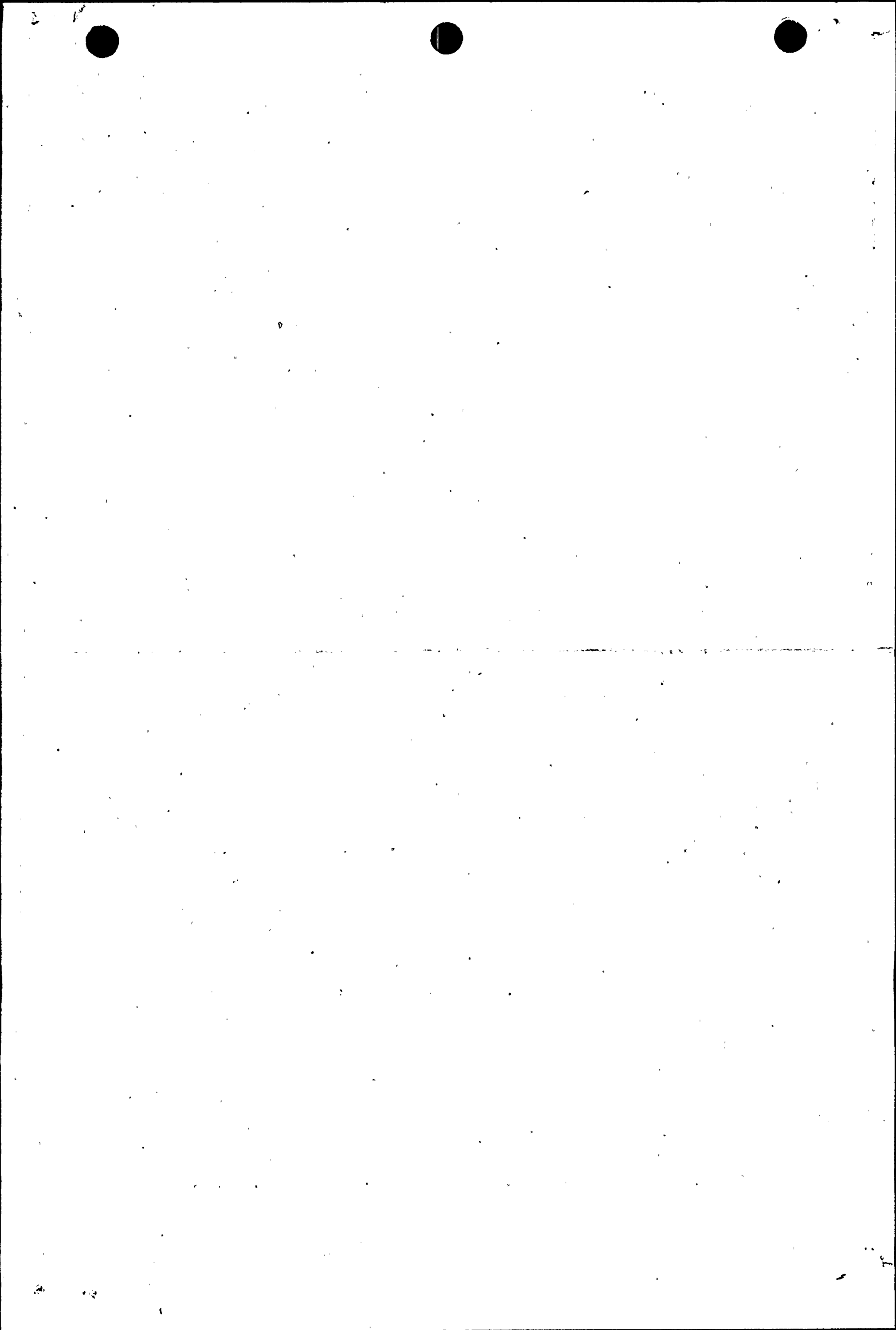
CIA-V-30A+
CIA-LMS-30A
CIA-M-V30A
CIA-MO-30A
CIA-V-30A
CRD-V-10+
CRD-AO-10
CRD-V-10
CRD-V-11+
CRD-AO-11
CRD-V-11
E-IR-73+
MSLC-PI-1
MSLC-PS-70A
MSLC-PS-70B
MSLC-PS-70C
MSLC-PS-70D
MSLC-PS-7A
MSLC-PS-7B
MSLC-PS-7C
MSLC-PS-7D
MSLC-PS-8A
MSLC-PS-8B
MSLC-PS-8C
MSLC-PS-8D
MSLC-PT-6A
MSLC-PT-6B

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
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MSLC-RLY-CR/5A2
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MSLC-RLY-CR/5D2
MSLC-RLY-CR/6A1
MSLC-RLY-CR/6A2
MSLC-RLY-CR/6B1
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MSLC-RLY-CR/8
MSLC-RLY-CR/9
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MSLC-RLY-TK/2B
MSLC-RLY-TK/2C
MSLC-RLY-TK/2D
MSLC-RLY-TK/3A
MSLC-RLY-TK/3B
MSLC-RLY-TK/3C
MSLC-RLY-TK/3D
MSLC-RLY-TK/4A
MSLC-RLY-TK/4B
MSLC-RLY-TK/4C
MSLC-RLY-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-39I
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
MS-PS-39V
MS-PS-45A
MS-PS-45B
MS-PS-46A
MS-PS-48C
MS-PT-51A
RPS-PS-2D

COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON RADIATION ZONE MAP, REACTOR BUILDING EL. 522'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: NONE
		JOB NO. 1140-001
DRAWING NO.	REV.	
M-522	0	
SHEET 3 OF 4		



ZONE A
NONE

ZONE B
LPCS-V-5+
LPCS-M-V5
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-PCV-2B
CRD-IR-1+
CRD-DPI-5
CRD-DPI-9
CRD-DPIS-2
CRD-DPT-11
CRD-DPT-8
CRD-FI-3
CRD-FI-4
CRD-PT-7
CRD-PT-9
CRD-PI-10
CRD-PI-6
CRD-PI-7

CRD-IR-2+
CRD-FI-19
CRD-PT-4
CRD-PI-15
CRD-PI-16
CRD-PI-8
CRD-PT-5
CRD-IR-3+
CRD-E/P-001
CRD-PI-12
CRD-PI-13
CRD-PT-52
CRD-SPV-110A
CRD-SPV-110B
CRD-SPV-9
CRD-V-38

CRD-V-39
CRD-V-728
CRD-V-729
CRD-V-77
CRD-V-89
CRD-V-94
CRD-V-95

CRD-V-3+
CRD-M-V3
CRD-MO-3
CRD-V-3
E-IR-P002+
RWCU-PT-36
RWCU-PT-41

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

HY-HP-3A+
HY-F-A1/21
HY-F-A1/23
HY-F-A1/37
HY-F-A2/21
HY-F-A2/37
HY-FCN-A1/30
HY-FCN-A2/30
HY-M-HP3A1
HY-M-HP3A2
HY-P-A2/3
HY-ST-B1/22
HY-TK-A1/20
HY-TK-A2/20
HY-V-20A
HY-V-A1/10
HY-V-A1/11
HY-V-A1/12
HY-V-A1/13
HY-V-A1/14
HY-V-A1/16
HY-V-A1/17
HY-V-A1/35
HY-V-A1/6
HY-V-A1/7

HY-V-A1/8
HY-V-A1/9
HY-V-A2/10
HY-V-A2/11
HY-V-A2/12
HY-V-A2/13
HY-V-A2/14
HY-V-A2/16
HY-V-A2/17
HY-V-A2/35
HY-V-A2/6
HY-V-A2/7
HY-V-A2/8
HY-V-A2/9

HY-V-17A+
HY-POS-V17A
HY-V-18A+
HY-POS-V18A
HY-V-19A+
HY-POS-V19A
HY-V-20A+
HY-POS-V20A

ZONE D

E-MC-8B+
E-42-10DSPARE
E-42-8B/10BSPAR
E-42-8B/10CFUT
E-42-8B/2ASPAR
E-42-CIA/CIB
E-42-CIA/V30B
E-42-CRA/AD1B1
E-42-CRA/AD2B
E-42-CRA/PN1C1
E-42-CRA/PN1C2
E-42-CRA/PN2B1
E-42-CRA/PN2B2
E-42-CRA/PN3B
E-42-CRA/PN3C
E-42-CRA/PN4B
E-42-CRA/PN5B
E-42-CRA/PN5D
E-42-D002HTRA
E-42-D002HTRB
E-42-ELP/8BB
E-42-MSLC/PN2
E-42-MSLC/V10
E-42-MSLC/V4
E-42-MSLC/V5
E-42-MSLC/V9
E-42-RHR/P3
E-42-RRR/PN1
E-42-RRR/PN10
E-42-RRR/PN3

E-42-RRR/PN6
E-42-SGTESH1B
E-42-SGTESH2B
E-42-SLC/P1B
E-42-SLC/V1B
E-CB-MC/8B/A
E-CB-MC/8B/B
E-RLY-CRAPN1B2
E-RLY-CRAPN1C2
E-RLY-CRAPN2B1
E-RLY-CRAPN2B2
E-RLY-CRAPN4B
E-RLY-MSLCV10
E-RLY-MSLCV12
E-RLY-MSLCV4
E-RLY-MSLCV5
E-RLY-MSLCV9
E-RLY-SGTES1B
E-RLY-SGTES2B
E-RLY-SLCP1B
E-TM-CRAPN1B2
E-TM-CRAPN1C2
E-TR-SGTES2B
E-TR-SGTES42A
E-TRB-8B/TB10A
E-TRB-8B/TB10B
E-TRB-8B/TB10C
E-TRB-8B/TB2A
E-TRB-8B/TB2B
E-TRB-8B/TB2C
E-TRB-8B/TB3A
E-TRB-8B/TB3B
E-TRB-8B/TB3C
E-TRB-8B/TB4A
E-TRB-8B/TB4B
E-TRB-8B/TB4C
E-TRB-8B/TB5A
E-TRB-8B/TB5B
E-TRB-8B/TB5C
E-TRB-8B/TB6A
E-TRB-8B/TB6B
E-TRB-8B/TB6C
E-TRB-8B/TB7A
E-TRB-8B/TB7B
E-TRB-8B/TB7C
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E-TRB-8B/TB8B
E-TRB-8B/TB8C
E-TRB-8B/TB9A
E-TRB-8B/TB9B
E-TRB-8B/TB9C
E-TRB-CIAV30B
E-TRB-CKT12N
E-TRB-CRAAD2B
E-TRB-CRAPN1B1
E-TRB-CRAPN1B2

E-TRB-CRAPN1C1
E-TRB-CRAPN1C2
E-TRB-CRAPN2B1
E-TRB-CRAPN2B2
E-TRB-CRAPN3B
E-TRB-CRAPN3C
E-TRB-CRAPN4B
E-TRB-CRAPN5B
E-TRB-CRAPN5D
E-TRB-MC88A
E-TRB-MC88B
E-TRB-MSLCPN2
E-TRB-MSLCPN10
E-TRB-MSLCPV4
E-TRB-MSLCPV5
E-TRB-MSLCPV9
E-TRB-RHRP3
E-TRB-RRAPN1
E-TRB-RRAPN10
E-TRB-RRAPN3
E-TRB-RRAPN6
E-TRB-SLCHTRA
E-TRB-SLCHTRB
E-TRB-SLCP1B
E-TRB-SLCP1B
E-MC-8BA+
E-42-FPC/V153
E-42-FPC/V173
E-42-FPC/V175
E-42-FPC/V181B
E-42-FPC/V184
E-42-MS/V16
E-42-RCC/V104
E-42-RCC/V129
E-42-RCIC/V63
E-42-RCIC/V76
E-42-RHR/FCV64B
E-42-RHR/FCV64C
E-42-RHR/V11B
E-42-RHR/V123A
E-42-RHR/V123B
E-42-RHR/V125A
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E-42-RHR/V134B
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E-42-RHR/V27B
E-42-RHR/V42B
E-42-RHR/V4B
E-42-RHR/V4C
E-42-RHR/V6B
E-42-RHR/V9

E-42-RRR/PN20
E-42-RRR/V16A
E-42-RWCU/V1
E-42-SW/V187B
E-42-SW/V24B
E-42-SW/V24C
E-RLY-RCICV63
E-RLY-RHRV11B
E-RLY-RHRV16B
E-RLY-RHRV17B
E-RLY-RHRV21
E-RLY-RHRV24B
E-RLY-RHRV26B
E-RLY-RHRV27B
E-RLY-RHRV42B
E-RLY-RHRV4B
E-RLY-RHRV4C
E-RLY-RHRV6B
E-RLY-RHRV9
E-TRB-8BA/TB10A
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E-TRB-8BA/TB9A
E-TRB-8BA/TB9B
E-TRB-8BA/TB9C
E-TRB-FPCP1B
E-TRB-FPCV153
E-TRB-MSV16
E-TRB-RCCV104
E-TRB-RCCV129
E-TRB-RCCV40

ZONE E
NONE

ZONE F

RWCU-V-4+
RWCU-M-V4
RWCU-MO-4
RWCU-V-4

ZONE G

RHR-V-42B+
RHR-M-V42B

E-TRB-RCICV63
E-TRB-RCICV76
E-TRB-RHRFCV64B
E-TRB-RHRFCV64C
E-TRB-RHRV11B
E-TRB-RHRV123A
E-TRB-RHRV123B
E-TRB-RHRV125A
E-TRB-RHRV125B
E-TRB-RHRV134B
E-TRB-RHRV16B
E-TRB-RHRV17B
E-TRB-RHRV21
E-TRB-RHRV21
E-TRB-RHRV24B
E-TRB-RHRV26B
E-TRB-RHRV27B
E-TRB-RHRV42B
E-TRB-RHRV4B
E-TRB-RHRV4C
E-TRB-RHRV6B
E-TRB-RHRV9
E-TRB-8BA/TB10A
E-TRB-8BA/TB10B
E-TRB-8BA/TB10C
E-TRB-8BA/TB11A
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E-TRB-FPCP1B
E-TRB-FPCV153
E-TRB-MSV16
E-TRB-RCCV104
E-TRB-RCCV129
E-TRB-RCCV40

ZONE H

CIA-V-30B+
CIA-LMS-30B
CIA-M-V30B
CIA-MO-30B
CIA-V-30B
E-IR-69+
FPC-PI-68G
FPC-PS-6B
FPC-PS-9B
FPC-RMS-P1B
FPC-SPV-113
RHR-I/P-1B
RHR-I/P-3B
RHR-SPV-51B
RHR-SPV-65B
ROA-RLY-CR200

E-IR-P008+

ROA-AD-10+
ROA-AD-10
ROA-AO-AD10
ROA-LMS-10
ROA-SPV-10
RRA-FC-10+
RRA-CC-10
RRA-FC-10
RRA-FN-10
RRA-M-10
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+
E-CB-RPT4A
E-SH-12+

E-CB-RPT4B
HPCS-V-4+
HPCS-LMS-4
HPCS-M-V4
HPCS-MO-4
HPCS-V-4
S-SR-43+
SW-RE-5
SW-RT-2
SW-V-75B+
SW-M-V75B
SW-MO-75B
SW-V-75B

ZONE I
NONE

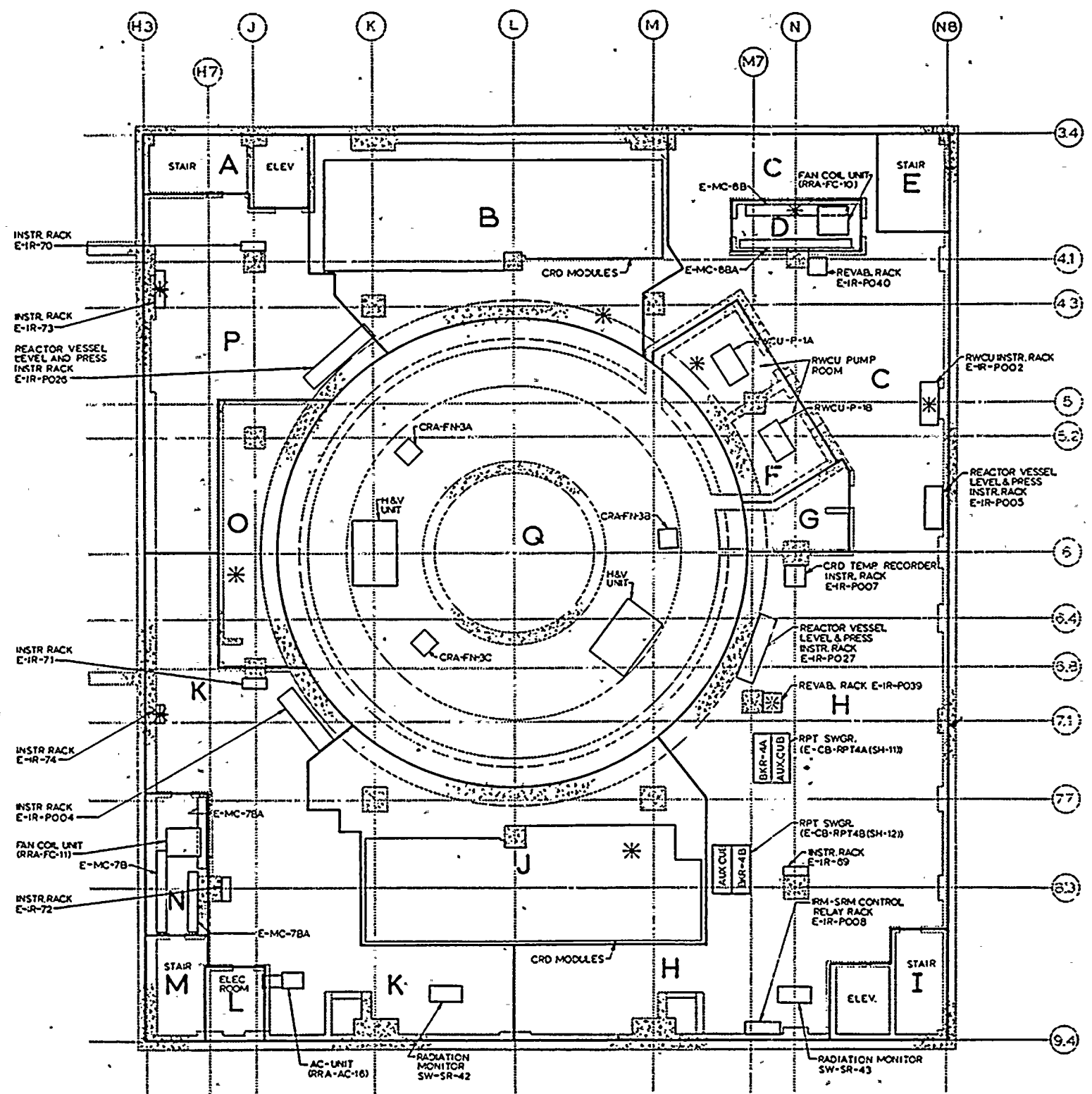
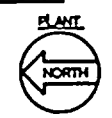
ZONE J

HY-HP-3B+
HY-P-B1/21
HY-F-B1/23
HY-F-B1/37
HY-F-B2/21
HY-F-B2/23
HY-F-B2/37
HY-FCN-B1/30
HY-FCN-B2/30
HY-HX-B1/19
HY-HX-B2/19
HY-M-HP3B1
HY-M-HP3B2
HY-P-A1/3
HY-P-B1/3
HY-P-B2/3
HY-ST-B2/22
HY-TCV-B1/18
HY-TCV-B2/18
HY-TK-B1/20
HY-TK-B2/20
HY-V-20B
HY-V-B1/10
HY-V-B1/11
HY-V-B1/12
HY-V-B1/13
HY-V-B1/14
HY-V-B1/16
HY-V-B1/35
HY-V-B1/6
HY-V-B1/7
HY-V-B1/8
HY-V-B1/9
HY-V-B2/10

NOTE:
SEE NOTE 3 DRAWING M-522 SHEET. 1 OF 4 ON CRD-HCU

COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON RADIATION ZONE MAP REACTOR BUILDING, EL. 522'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: NONE
JOB NO.: 1140-001		REV.
DRAWING NO.	M-522	0
SHEET 2 OF 4		





**SAFETY RELATED EQUIPMENT
-BY ZONES**

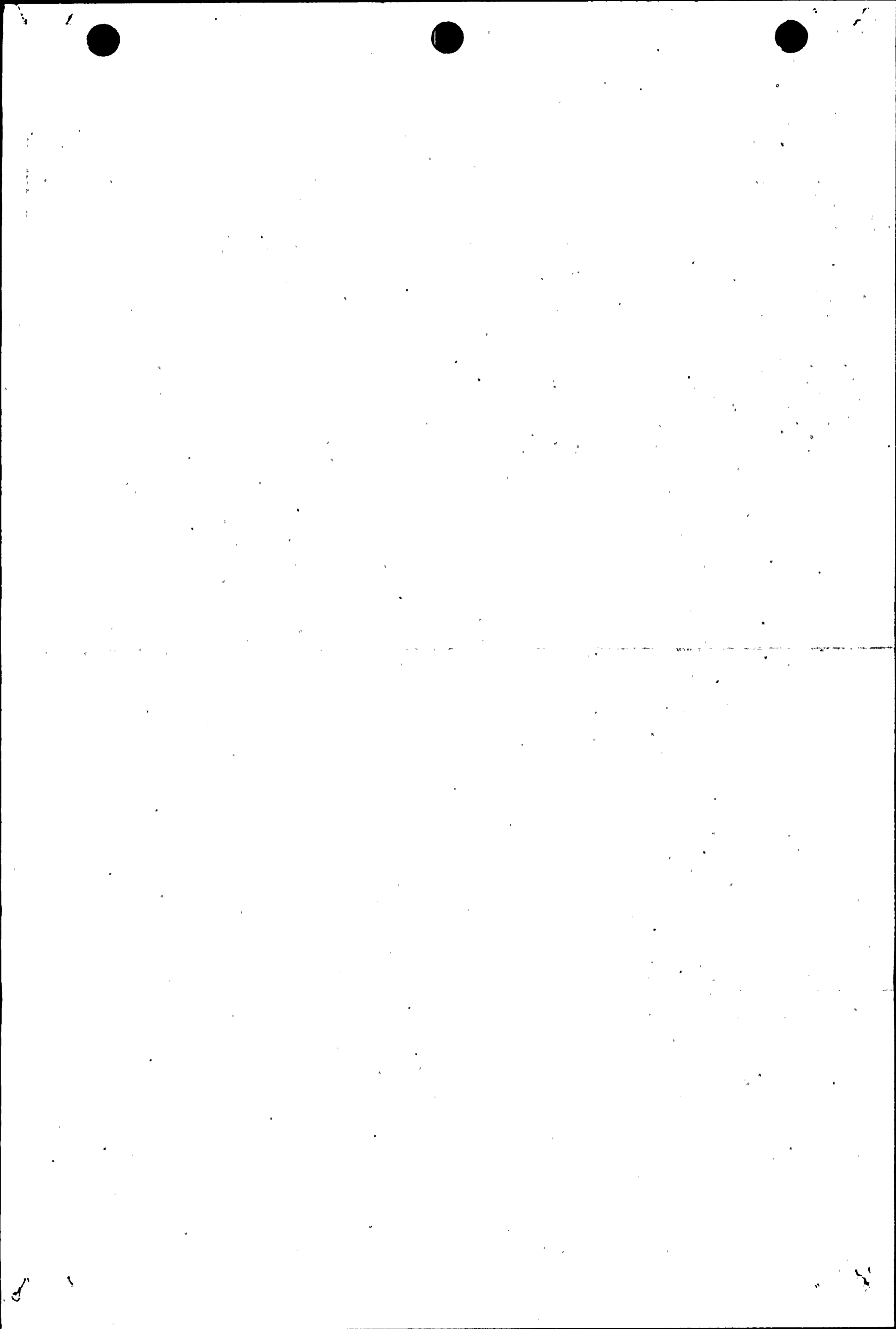
ZONE	SAFETY RELATED EQUIPMENT	ZONE	SAFETY RELATED EQUIPMENT
ZONE A NONE		ZONE F • 8.4x10 ⁵ rad. RWCU-V-4+	ZONE L NONE
ZONE B • LPCS-MO-5 • 6.4x10 ⁵ rad. CRD-HCU-(93 Total) LPCS-V-5+		LD-TE-1A LD-TE-1B LD-TE-1C LD-TE-1D LD-TE-2A LD-TE-2B LD-TE-2C LD-TE-2D LD-TE-3A LD-TE-3B LD-TE-3C LD-TE-3D	ZONE M NONE
ZONE C • E-IR-P002+ • 5.8x10 ⁵ rad. CRD-PCV-2A+ CRD-PCV-2B+ CRD-IR-1+ CRD-IR-2+ CRD-IR-3+ CRD-V-3+ E-IR-P002+ E-IR-P005+ HY-HP-3A+ HY-V-17A+ HY-V-18A+ HY-V-19A+ HY-V-20A+		ZONE G • RHR-MO-42B • 1.2x10 ⁶ rad. RHR-V-42B+	ZONE N • 3.5x10 ³ rad. E-HC-7B+ E-HC-7BA+ RRA-FC-11+
ZONE D • E-HC-8B+ • 8.7x10 ⁴ rad. E-HC-8BA+ ROA-AD-10+ RRA-FC-10+		ZONE H • E-IR-P039+ • 8.3x10 ⁵ rad. 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+	ZONE O • RHR-MO-42C • 1.7x10 ⁶ rad. 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 E NONE		ZONE I NONE	
		ZONE J • CRD-HCU-(92 Total) • 1.0x10 ⁵ rad. CRD-HCU-(92 Total) HY-HP-3B+ HY-V-17B+ HY-V-18B+ HY-V-19B+ HY-V-20B+	
		ZONE K • E-IR-74+ • 2.4x10 ⁴ rad. CIA-V-20+ E-IR-71+ E-IR-74+ E-IR-P004+ FPC-FCV-1+ ROA-AD-11+ S-SR-42+ SW-V-75A+	ZONE P • E-IR-73+ • 5.2x10 ⁴ rad. CIA-V-30A+ CRD-V-10+ CRD-V-11+ E-IR-73+ E-IR-P026+
		ZONE M NONE	
		ZONE N NONE	
		ZONE O NONE	
		ZONE P NONE	
		ZONE Q NONE	
		ZONE R NONE	
		ZONE S NONE	
		ZONE T NONE	
		ZONE U NONE	
		ZONE V NONE	
		ZONE W NONE	
		ZONE X NONE	
		ZONE Y NONE	
		ZONE Z NONE	

NOTES:

- *, ●, ○ ARE IDENTIFIED IN GENERAL NOTES 2, 3 & 4 ON DRAWING M-422 SHEET 1
- SEE DRAWING M-522 SHEETS 2 & 3 FOR COMPONENTS OF LISTED COMPOSITES
- SEE GENERAL NOTE 6 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION
- SEE DRAWING M-522 SHEET 4 OF 4 FOR CRD-HCU-LISTING AND COMPONENTS

REACTOR BUILDING EL. 522'-0"

RADIATION ZONE MAP REACTOR BUILDING EL. 522'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE 1/8" = 1'-0"	
		JOB NO. 1140-001	
DRAWING NO.	REV.		
M-522	3		
SHEET 1 OF 4			



ZONE A
NONE

ZONE B

E-IR-P018+
RCIC-PS-32A
RCIC-PS-33A
RHR-CIST-30A
RHR-DPIS-12A
RHR-DPIS-29A
RHR-FIS-10A
RHR-PT-15A
RHR-PI-2A
RHR-PI-22A
RHR-PS-16A
RHR-PS-19A
RHR-PT-26A
SW-PT-7A

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

E-IR-P030+
IRM-EAMP-2A
IRM-EAMP-2E

E-IR-P032+
IRM-EAMP-2C
IRM-EAMP-2G

ZONE C
NONE

ZONE D
NONE

ZONE E
NONE

ZONE F

E-IR-64+
CAC-PT-4B
CSP-DPIS-5
CSP-DPIS-6
CSP-SPV-4
CSP-SPV-5
CSP-SPV-9

E-IR-66+
CAC-PT-3A
CAC-PT-4A
CMS-PT-3
CSP-SPV-1
LPCS-SPV-6
RHR-SPV-41A

RRC-V-16A+
RRC-LMS-16A
RRC-M-V16A
RRC-MO-16A

ZONE G
NONE

ZONE H
NONE

ZONE I

CSP-V-1+
CSP-AO-1
CSP-LMS-1
CSP-V-1
CSP-V-2+
CSP-AO-2
CSP-LMS-2
CSP-V-2
RHR-V-8+
RHR-M-V8
RHR-MO-8
RHR-V-8

ZONE J
NONE

ZONE K

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

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-PI-2B
RHR-PI-22B
RHR-PI-22C
RHR-PS-16B
RHR-PS-16C
RHR-PS-19B
RHR-PS-19C
RHR-PT-26B
RHR-PT-28
SW-FT-7B

E-IR-P031+
IRM-EAMP-2B

E-IR-P033+
IRM-EAMP-2D
IRM-EAMP-2H

MSLC-FN-2+
MSLC-FN-2
MSLC-M-2
RRC-V-16B+
RRC-LMS-16B
RRC-MO-16B
RRC-V-16B

ZONE L
NONE

ZONE M

RHR-V-16B+
RHR-M-V16B
RHR-MO-16B
RHR-V-16B
RHR-V-17B+
RHR-M-V17B
RHR-MO-17B
RHR-V-17B
RHR-V-53B+
RHR-M-V53B
RHR-MO-53B
RHR-V-53B

ZONE N
NONE

ZONE O

MS-V-19+
MS-M-V19
MS-MO-19
MS-V-19
MS-V-20+
MS-M-V20
MS-MO-20
MS-V-20
MS-V-28A+

MS-AO-28A
MS-LMS-28A1
MS-LMS-28A2
MS-LMS-28A3
MS-SPV-28A1
MS-SPV-28A2
MS-SPV-28A3
MS-V-28A
MS-V-28B+
MS-AO-28B
MS-LMS-28B1
MS-LMS-28B2
MS-LMS-28B3
MS-SPV-28B1
MS-SPV-28B2
MS-SPV-28B3
MS-V-28B
MS-V-28C+
MS-AO-28C
MS-LMS-28C1
MS-LMS-28C2
MS-LMS-28C3
MS-SPV-28C1
MS-SPV-28C2
MS-SPV-28C3
MS-V-28C
MS-V-28D+
MS-AO-28D
MS-LMS-28D1
MS-LMS-28D2
MS-LMS-28D3
MS-SPV-28D1
MS-SPV-28D2
MS-SPV-28D3
MS-V-28D
MS-V-67A+
MS-M-V67A
MS-MO-67A
MS-V-67A
MS-V-67B+
MS-M-V67B
MS-MO-67B
MS-V-67B
MS-V-67C+
MS-M-V67C
MS-MO-67C
MS-V-67C
MS-V-67D+
MS-M-V67D
MS-MO-67D
MS-V-67D
MSLC-V-10+
MSLC-M-V10
MSLC-MO-10
MSLC-V-10
MSLC-V-2A+

MSLC-M-V2A
MSLC-MO-2A
MSLC-V-2A
MSLC-V-2B+
MSLC-M-V2B
MSLC-MO-2B
MSLC-V-2B
MSLC-V-2C+
MSLC-M-V2C
MSLC-MO-2C
MSLC-V-2C
MSLC-V-2D+
MSLC-M-V2D
MSLC-MO-2D
MSLC-V-2D
MSLC-V-3A+
MSLC-M-V3A
MSLC-MO-3A
MSLC-V-3A
MSLC-V-3B+
MSLC-M-V3B
MSLC-MO-3B
MSLC-V-3B
MSLC-V-3C+
MSLC-M-V3C
MSLC-MO-3C
MSLC-V-3C
MSLC-V-3D+
MSLC-M-V3D
MSLC-MO-3D
MSLC-V-3D
MSLC-V-4+
MSLC-M-V4
MSLC-MO-4
MSLC-V-4
MSLC-V-5+
MSLC-M-V5
MSLC-MO-5
MSLC-V-5
MSLC-V-9+
MSLC-M-V9
MSLC-MO-9
MSLC-V-9
RFW-V-32A+
RFW-LMS-32A
RFW-V-32A
RFW-V-32B+
RFW-LMS-32B
RFW-V-32B
RFW-V-32B
RFW-V-65A+
RFW-M-V65A
RFW-MO-65A
RFW-V-65A
RFW-V-65B+
RFW-M-V65B
RFW-MO-65B

RFW-V-65B

ZONE P
NONE

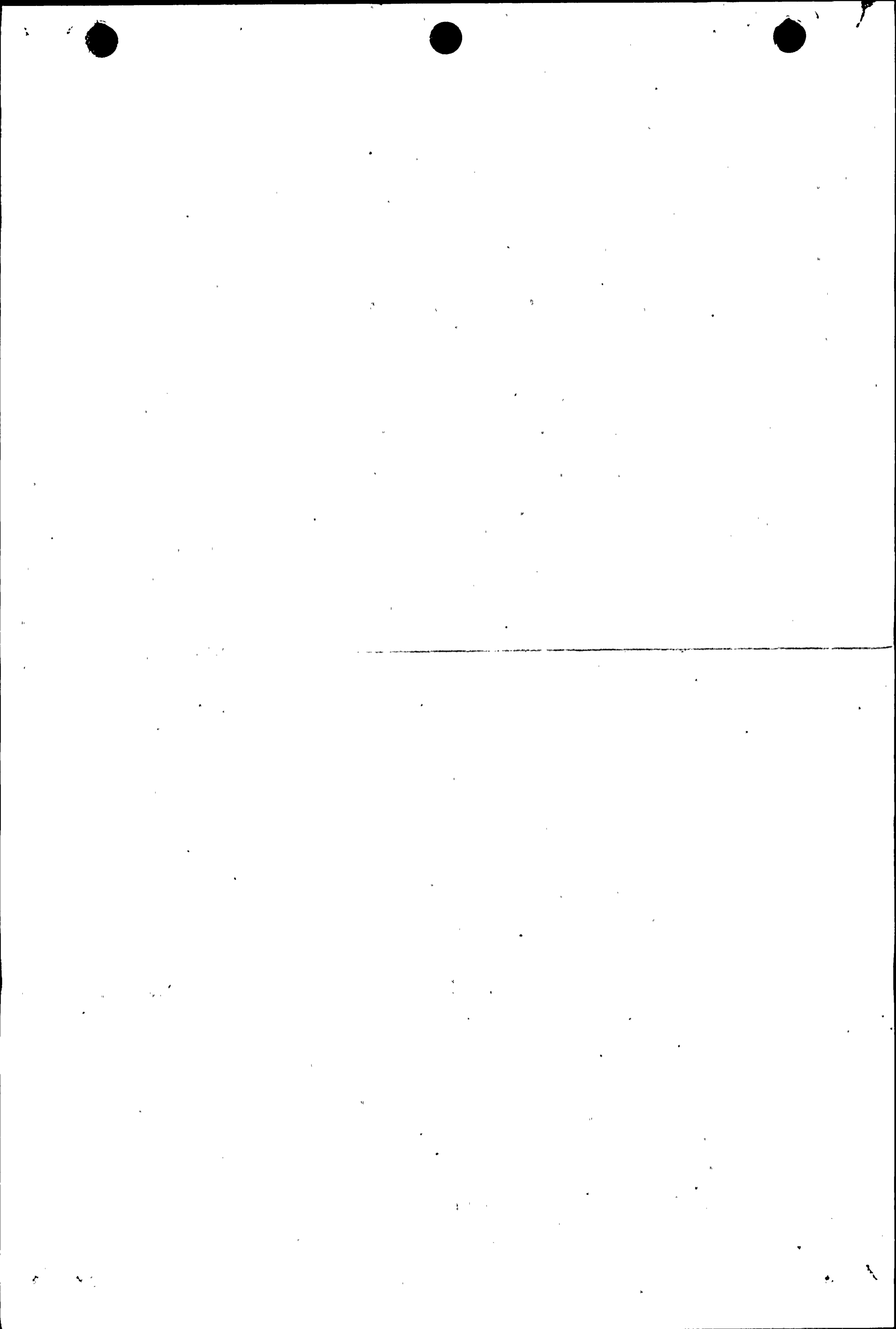
ZONE Q
NONE

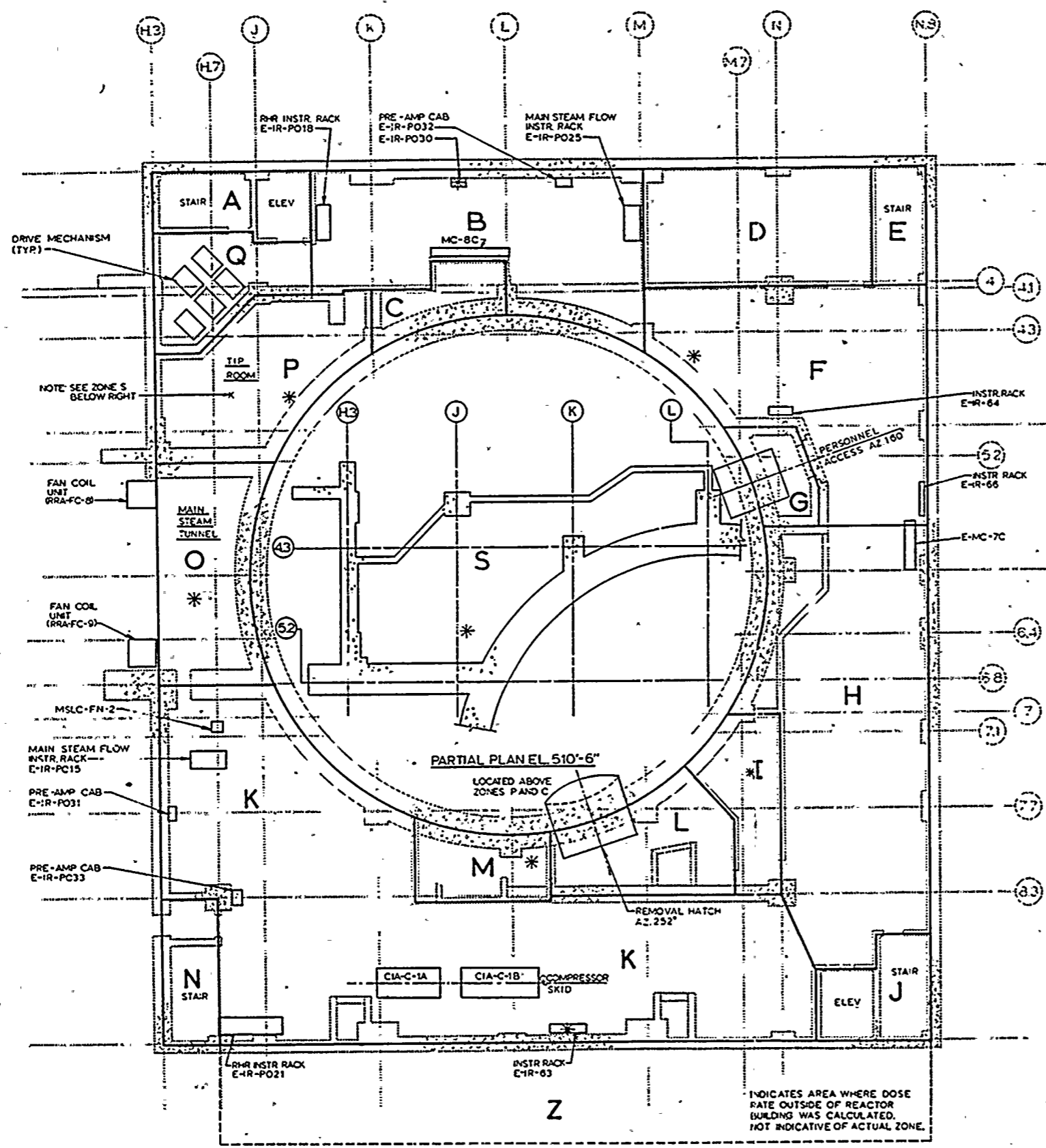
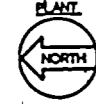
ZONE R
NONE

ZONE S

RCC-V-104+
RCC-LMS-V104
RCC-M-V104
RCC-MO-104
RCC-V-104
RCC-V-21+
RCC-LMS-V21
RCC-M-V21
RCC-MO-21
RCC-V-21
RCC-V-5+
RCC-LMS-V5
RCC-M-V5
RCC-MO-5
RCC-V-5
RCIC-V-8+
RCIC-LMS-8
RCIC-M-V8
RCIC-MO-8
RCIC-V-8
RHR-V-53A+
RHR-M-V53A
RHR-MO-53A
RHR-V-53A
RWCU-V-40+
RWCU-M-V40
RWCU-MO-40
RWCU-V-40

COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON RADIATION ZONE MAP REACTOR BUILDING, EL. 501'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: NONE
JOB NO. 1140-001		REV.
DRAWING NO.	M-501	0
SHEET 2 OF 2		





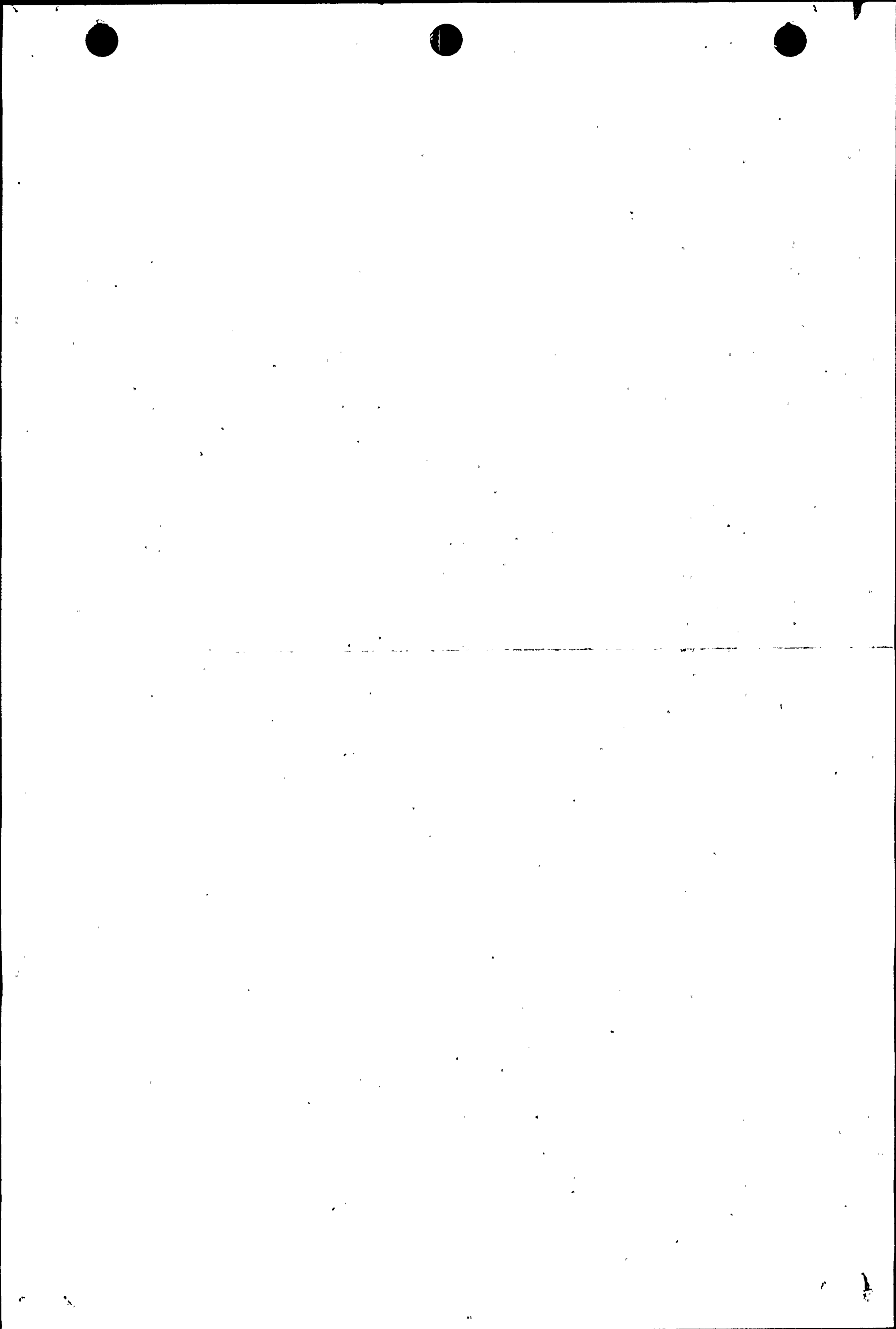
ZONE A NONE	ZONE G NONE	ZONE L NONE	LD-TE-29B LD-TE-29C LD-TE-29D LD-TE-31A LD-TE-31B LD-TE-31C LD-TE-31D
ZONE B * E-IR-P030+ • 4.6x10 ⁵ rad. E-IR-P018+ E-IR-P025+ E-IR-P030+ E-IR-P032+ E-MC-8C+	ZONE H NONE	ZONE M * RHR-MO-53B • 1.0x10 ⁶ rad. RHR-V-16B+ RHR-V-17B+ RHR-V-53B+	MS-RE-3A MS-RE-3B MS-RE-3C MS-RE-3D
E-CBL-X100A/02 E-CBL-X100A/03 E-CBL-X100B/01 E-CBL-X100B/03 E-CBL-X104A/01 E-CBL-X104B/01 E-CBL-X105A/01 EDR-LS-2B	ZONE I * RHR-MO-8 • 1.3x10 ⁶ rad. CSP-V-1+ CSP-V-2+ RHR-V-8+	ZONE N NONE	ZONE P * TIP-V-1 • 1.1x10 ⁶ rad.
ZONE C NONE	ZONE J NONE	ZONE O * MS-LMS-28D2 • 4.2x10 ⁶ rad. 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+	RCW-FE-40 TIP-V-1 TIP-V-2 TIP-V-3 TIP-V-4 TIP-V-5
ZONE D NONE	ZONE K * E-IR-63+ • 7.8x10 ⁴ rad. E-IR-63+ E-IR-PO15+ E-IR-PC21+ E-IR-PO31+ E-IR-PO33+ MSLC-FN-2+ RRC-V-16B+	ZONE Q NONE	ZONE R NONE
ZONE E NONE	ZONE F * RRC-MO-16A • 4.6x10 ⁴ rad. E-IR-64+ E-IR-66+ RRC-V-16A+	ZONE S Located at elev. 501'-6" above zones "P" and "C" * RCIC-MO-8 • 2.6x10 ⁶ rad. RCC-V-104+ RCC-V-21+ RCC-V-5+ RCIC-V-8+ RHR-V-53A+ RWC-V-40+	
E-CBL-X105B/01 HPCS-SPV-5 RRC-RV-15A	E-CBL-X100C/01 E-CBL-X100C/03 E-CBL-X100D/01 E-CBL-X100D/03 EDR-LS-2A RRC-PC-2A RRC-PC-2B RRC-PI-5 RRC-RV-15B	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+ RPH-V-32A+ RPH-V-32B+ RPH-V-65A+ RPH-V-65B+	LD-TE-29A

NOTES:

- * & • ARE IDENTIFIED IN GENERAL NOTES 2 & 3 ON DRAWING M-422 SHEET 1
- SEE DRAWING M-501 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES
- SEE GENERAL NOTE 6 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION

REACTOR BUILDING EL. 501'-0"

RADIATION ZONE MAP REACTOR BUILDING EL. 501'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE 1/8" = 1'-0"	
		JOB NO: 1140-001	
DRAWING NO.	REV		
M-501	3		
SHEET 1 OF 2			



ZONE A

E-ELP-7BB+
E-TR-7BB
E-IR-P001+
LPCS-DPIS-6
LPCS-FIS-4
LPCS-PT-3
LPCS-PI-1
LPCS-PI-2
LPCS-FIS-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

ZONE B

CAC-FCV-3A+
CAC-EHO-3A/FCV
CAC-FCV-3A
CAC-LMS-3A/FCV
CAC-M-3A/FCV
CAC-FCV-4B+
CAC-EHO-4B/FCV
CAC-FCV-4B
CAC-LMS-4B/FCV
CAC-M-4B/FCV
CAC-V-13+
CAC-LMS-13
CAC-M-V13
CAC-MO-13
CAC-V-13
CAC-V-8+
CAC-LMS-8
CAC-M-V8
CAC-MO-8
CAC-V-8
CSP-V-10+
CSP-AO-10
CSP-LMS-10

CSP-POS-10P1
CSP-POS-10P10
CSP-POS-10P11
CSP-POS-10P12
CSP-POS-10P13
CSP-POS-10P2
CSP-POS-10P3
CSP-POS-10P4
CSP-POS-10P9
CSP-V-10
CSP-V-9+
CSP-AO-9
CSP-LMS-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-DPT-15A
RRC-FT-11A
RRC-FT-14A
RRC-FT-24A
RRC-PI-1A
RRC-PI-2A
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

E-IR-P024+
HPCS-DPIS-9
HPCS-FIS-6
HPCS-PT-5
HPCS-PI-2
HPCS-FIS-13
HPCS-PS-12
HPCS-PS-3

ZONE C

NONE

ZONE D

CAC-PP-TB/R363+
CAC-RLY-1B
CAC-RLY-2B
CAC-PP-TB/R364+
CAC-RLY-1A
CAC-RLY-2A
CAC-RLY-3A
CAC-RLY-3B
CAC-RLY-4A
CAC-RLY-4B

CSP-V-3+
CSP-AO-3
CSP-LMS-3
CSP-V-3
CSP-V-4+
CSP-AO-4
CSP-LMS-4
CSP-V-4
CSP-V-5+
CSP-AO-5
CSP-LMS-5
CSP-V-5
CSP-V-7+
CSP-AO-7
CSP-LMS-7
CSP-POS-7P1
CSP-POS-7P10
CSP-POS-7P11
CSP-POS-7P12
CSP-POS-7P13
CSP-POS-7P2
CSP-POS-7P3
CSP-POS-7P4

CSP-POS-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-34P
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
RWCU-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
RCIC-TI-5

E-IR-P022+
MS-DPIS-10B
MS-DPIS-11B
MS-DPIS-8B
MS-DPIS-9B

RRC-DPT-15B
RRC-FT-11B
RRC-FT-14B
RRC-FT-24B
RRC-PI-1B
RRC-PI-2B
RRC-PS-18B

E-SH-10+
E-CB-RPT3B
E-SH-9+
E-CB-RPT3A
FPC-V-172+
FPC-M-V172
FPC-MO-172
FPC-V-172
FPC-V-173+
FPC-M-V173
FPC-MO-173
FPC-V-173
FPC-V-184+
FPC-M-V184
FPC-MO-184
FPC-V-184

ZONE E

CAC-FCV-4A+
CAC-EHO-4A/FCV
CAC-FCV-4A
CAC-LMS-4A/FCV
CAC-M-4A/FCV
CAC-V-4+
CAC-LMS-4
CAC-M-V4
CAC-MO-4
CAC-V-4
RHR-LCV-65B+
RHR-LCV-65B
RHR-V-11B+
RHR-M-V11B
RHR-MO-11B
RHR-V-11B
RHR-V-125A+
RHR-M-V125A
RHR-MO-125A
RHR-V-125A
RHR-V-125B+
RHR-M-V125B
RHR-MO-125B
RHR-V-125B
RHR-V-24B+

ZONE F

RHR-LCV-65A+
RHR-AO-65A
RHR-LCV-65A
RHR-V-11A+
RHR-M-V11A
RHR-MO-11A
RHR-V-11A
RHR-V-124A+
RHR-M-V124A
RHR-MO-124A
RHR-V-124A
RHR-V-124B+
RHR-M-V124B
RHR-MO-124B
RHR-V-124B
RHR-V-24A+
RHR-M-V24A
RHR-MO-24A
RHR-V-24A
RHR-V-26A+
RHR-M-V26A
RHR-MO-26A
RHR-V-26A

ZONE G

NONE

ZONE H

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

CSP-RLY-7R1
CSP-RLY-7R2
CSP-RLY-7R3
CSP-RLY-7R4
CSP-RLY-7R5
CSP-RLY-8CR
CSP-RLY-8R1
CSP-RLY-8R2
CSP-RLY-8R3
CSP-RLY-8R4
CSP-RLY-8R5

E-MC-S2/1A+
E-42-RCIC/P2
E-42-RCIC/P4
E-42-RCIC/V13
E-42-RCIC/V19
E-42-RCIC/V22
E-42-RCIC/V45
E-42-RCIC/V59
E-42-RCIC/V64
E-42-RCIC/V69
E-42-RHR/V23
E-42-RHR/V8
E-42-RWCU/V4
E-42-S21A/1CSPA
E-42-S21A/2CSPA
E-42-S21A/3CSPA
E-42-S21A/4CSPA
E-42-TT/TV
ROA-AD-12+
ROA-AD-12
ROA-AO-AD12
ROA-LMS-12
ROA-SPV-12
RRA-FC-12+
RRA-CC-12
RRA-FC-12
RRA-FN-12
RRA-M-12

ZONE I

RCIC-V-110+
RCIC-LMS-80
RCIC-M-V110
RCIC-MO-80
RCIC-V-110
RCIC-V-113+
RCIC-LMS-86
RCIC-M-V113
RCIC-MO-86
RCIC-V-113
RCIC-V-68+
RCIC-LMS-68

RCIC-M-V68
RCIC-MO-68
RCIC-V-68

ZONE J

CEP-V-3A+
CEP-AO-3A
CEP-LMS-3A
CEP-V-3A
CEP-V-3B+
CEP-AO-3B
CEP-LMS-3B
CEP-V-3B
CEP-V-4A+
CEP-AO-4A
CEP-LMS-4A
CEP-V-4A
CEP-V-4B+
CEP-AO-4B
CEP-LMS-4B
CEP-V-4B
CSP-V-6+
CSP-AO-6
CSP-LMS-6
CSP-V-6
CSP-V-8+
CSP-AO-8
CSP-LMS-8
CSP-POS-8P1
CSP-POS-8P10
CSP-POS-8P11
CSP-POS-8P12
CSP-POS-8P13
CSP-POS-8P2
CSP-POS-8P3
CSP-POS-8P4
CSP-POS-8P9
CSP-V-8
E-IR-62+
CEP-SPV-3A
CEP-SPV-3B
CSP-SPV-8A
CSP-SPV-8B
FDR-SPV-3A
FDR-SPV-3B
FDR-SPV-601
FDR-SPV-602
FDR-SPV-604
FDR-SPV-8A
FDR-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

MSLC-FN-1+
MSLC-FN-1
MSLC-M-1
MSLC-V-1A+
MSLC-M-V1A
MSLC-MO-1A
MSLC-V-1A
MSLC-V-1B+
MSLC-M-V1B
MSLC-MO-1B
MSLC-V-1B
MSLC-V-1C+
MSLC-M-V1C
MSLC-MO-1C
MSLC-V-1C
MSLC-V-1D+
MSLC-M-V1D
MSLC-MO-1D
MSLC-V-1D

ZONE K

NONE

ZONE L

NONE

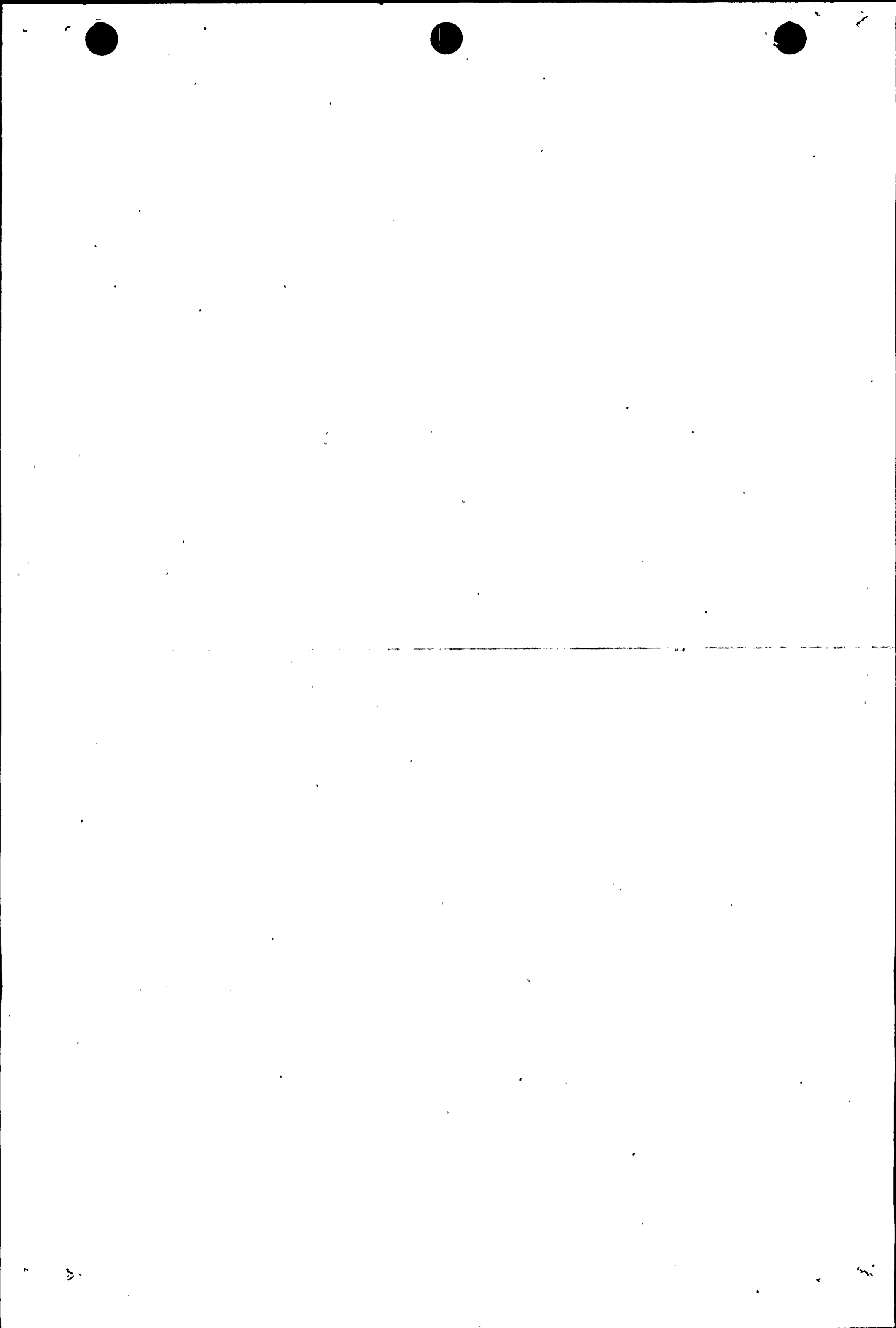
ZONE M

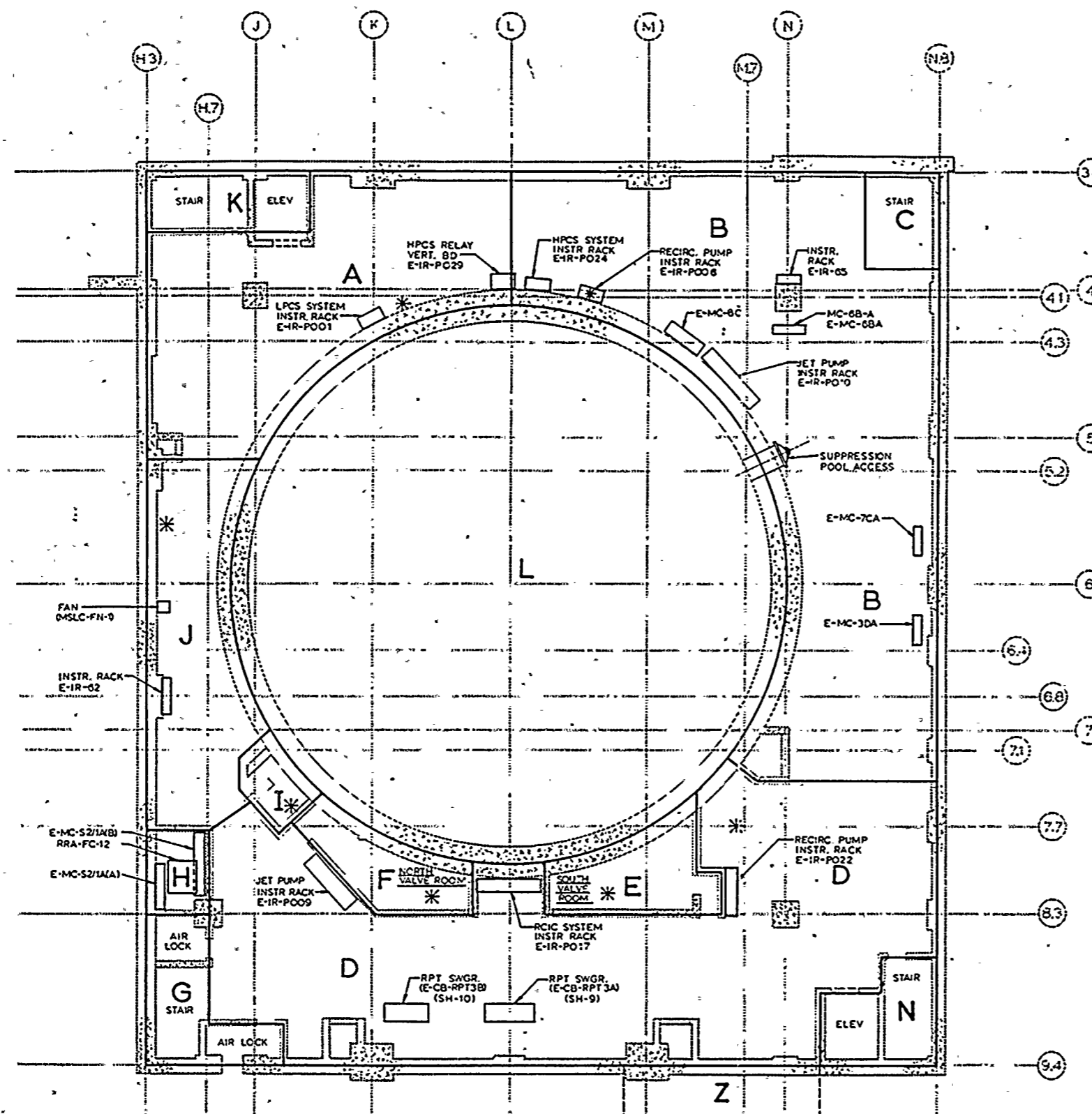
CAC-FCV-3B+
CAC-EHO-3B/FCV
CAC-FCV-3B
CAC-LMS-3B/FCV
CAC-M-3B/FCV
CAC-V-17+
CAC-LMS-17
CAC-M-V17
CAC-MO-17
CAC-V-17

ZONE N

NONE

COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON RADIATION ZONE MAP, REACTOR BUILDING EL. 471'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: NONE
JOB NO. 1140-001	DRAWING NO. M-471	REV. 0
SHEET 2 OF 2		





**SAFETY RELATED EQUIPMENT
- BY ZONES**

ZONE	Equipment	Equipment	Equipment
ZONE A	E-IR-P009+	RHR-V-24A+	E-IR-62+
• RHR-MO-27A	E-IR-P017+	RHR-V-26A+	MSLC-FN-1+
• 5.0x10 ⁵ rad.	E-IR-P022+		MSLC-V-1A+
	E-SH-10+	RHR-LS-11A	MSLC-V-1B+
E-ELP-7BB+	E-SH-9+	RHR-LS-11B	MSLC-V-1C+
E-IR-P001+	PFC-V-172+	RHR-LS-11C	MSLC-V-1D+
E-IR-P029+	PFC-V-173+	RHR-LS-11D	
RHR-V-27A+	PFC-V-184+	RHR-RV-25B	MSLC-PT-3A
		RHR-RV-30	MSLC-PT-3B
E-CBL-X107A/01	E-PP-7AE	RHR-RV-36	MSLC-PT-3C
	E-PP-8AE	RHR-RV-55A	MSLC-PT-3D
	RHR-RV-25A	RHR-RV-88A	MSLC-H-A
		RHR-RV-95A	MSLC-H-B
ZONE B			MSLC-H-C
• E-IR-P006+			MSLC-H-D
• 5.0x10 ⁵ rad.			MSLC-TE-10A
			MSLC-TE-10B
CAC-PCV-3A+	ZONE E	ZONE G	MSLC-TE-10C
CAC-PCV-4B+	• RHR-MO-11B	NONE	MSLC-TE-10D
CAC-V-13+	• 1.7x10 ⁶ rad.		RHR-RV-25C
CAC-V-8+			
CSP-V-10+	CAC-PCV-4A+	ZONE H	
CSP-V-9+	CAC-V-4+	oo 3.2x10 ³ rad.	
E-IR-65+	RHR-LCV-65B+		
E-IR-P006+	RHR-V-11B+		
E-IR-P010+	RHR-V-125A+	E-CP-VB/1A+	ZONE K
E-IR-P024+	RHR-V-125B+	E-MC-S2/1A+	NONE
	RHR-V-24B+	ROA-AD-12+	
	RHR-V-26B+	RRA-PC-12+	
	RHR-V-27B+		ZONE L
			NONE
HPCS-PI-1		ZONE I	
HPCS-PI-1G	E-CBL-X107B/01	• RCIC-MO-86	ZONE M
	RHR-LS-10A	• 4.8x10 ⁶ rad.	Located at-elev.
ZONE C	RHR-LS-10B		480'-0" above
NONE	RHR-LS-10C		zone 'I'
	RHR-LS-10D	RCIC-V-110+	
	RHR-RV-55B	RCIC-V-113+	
	RHR-RV-88B	RCIC-V-68+	
	RHR-RV-95B		• 9.1x10 ⁴ rad.
ZONE D		ZONE J	CAC-PCV-3B+
• CSP-AO-3		• MSLC-MO-1B	CAC-V-17+
• 6.0x10 ⁴ rad.		• 4.4x10 ⁷ rad.	
CAC-PP-TB/R363+	ZONE F		ZONE N
CAC-PP-TB/R364+	• RHR-MO-26A		NONE
CSP-V-3+	• 2.2x10 ⁶ rad.	CEP-V-3A+	
CSP-V-4+		CEP-V-3B+	
CSP-V-5+	RHR-LCV-65A+	CEP-V-4A+	
CSP-V-7+	RHR-V-11A+	CEP-V-4B+	
E-ELP-8BB+	RHR-V-124A+	CSP-V-6+	
	RHR-V-124B+	CSP-V-8+	

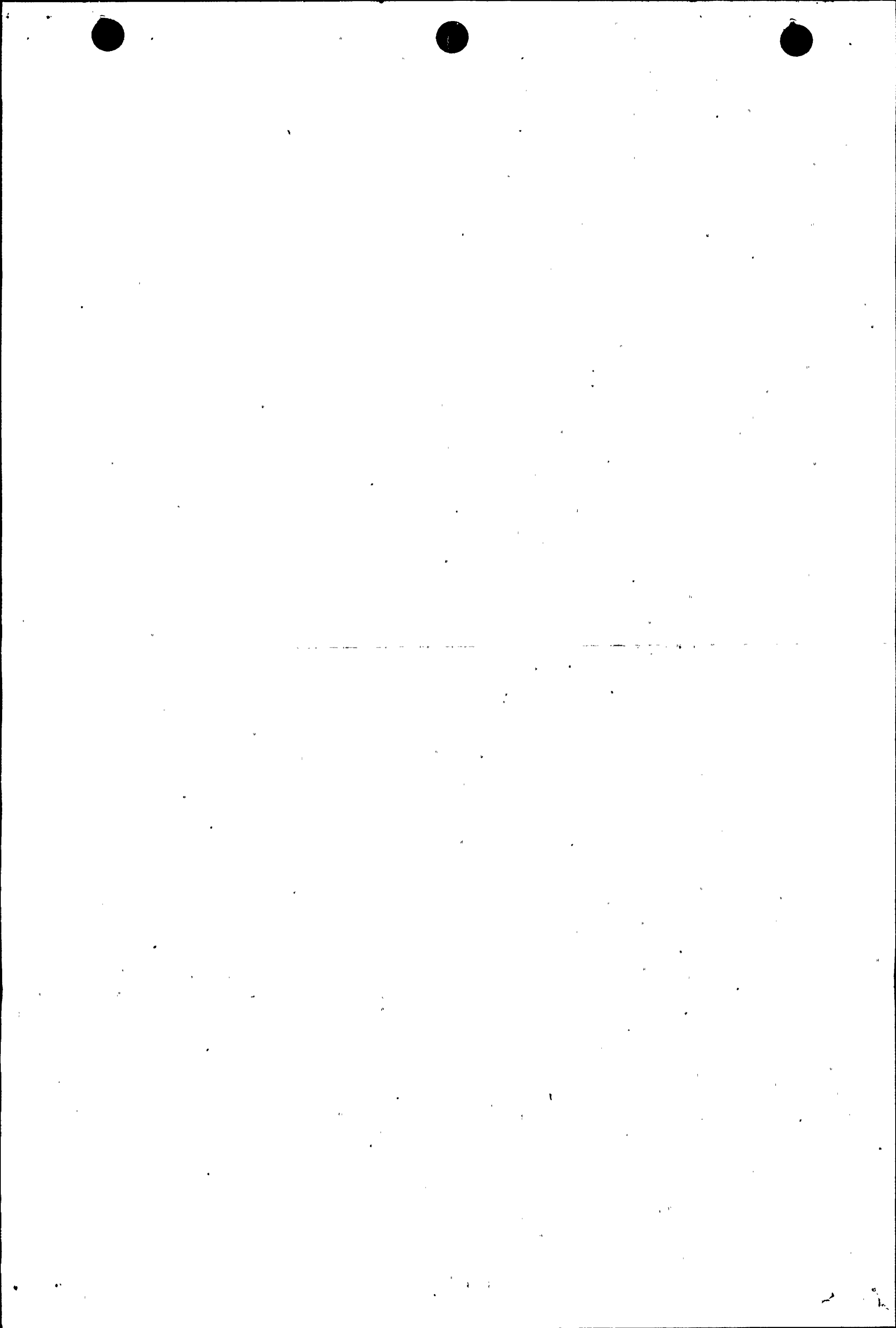
NOTES:

- *, •, ● ARE IDENTIFIED IN GENERAL NOTES 2,3,&4 ON DRAWING M-422 SHEET 1
- SEE DRAWING M-471 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES
- SEE GENERAL NOTE 6 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION

REACTOR BUILDING EL. 471'-0"

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

RADIATION ZONE MAP REACTOR BUILDING EL. 471'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE 1/8" = 1'-0"	
		JOB NO. 1140-001	
		DRAWING NO.	REV.
		M-471	3
		SHEET 1 OF 2	



ZONE A
NONE

ZONE B-

- LPCS-V-1+
- LPCS-LMS-1
- LPCS-M-V1
- LPCS-MO-1
- LPCS-V-1
- LPCS-V-12+
- LPCS-LMS-12
- LPCS-M-V12
- LPCS-MO-12
- LPCS-V-12
- RRA-FC-5+
- RRA-CC-5
- RRA-FC-5
- RRA-FN-5
- RRA-M-5
- RRA-RMS-S5
- SW-V-44+
- SW-M-V44
- SW-MO-44
- SW-V-44

ZONE C

- EDR-V-19+
- EDR-AO-19
- EDR-LMS-V19
- EDR-V-19
- EDR-V-20+
- EDR-AO-20
- EDR-LMS-V20
- EDR-V-20
- FDR-V-3+
- FDR-AO-3
- FDR-LMS-V3
- FDR-V-3
- FDR-V-4+
- FDR-AO-4
- FDR-LMS-V4
- FDR-V-4
- HPCS-V-10+
- HPCS-M-V10
- HPCS-MO-10
- HPCS-POT-8
- HPCS-V-10
- HPCS-V-11+
- HPCS-M-V11
- HPCS-MO-11
- HPCS-POT-10
- HPCS-V-11

- HPCS-V-15+
- HPCS-LMS-15
- HPCS-M-V15
- HPCS-MO-15
- HPCS-V-15
- HPCS-V-23+
- HPCS-LMS-23
- HPCS-M-V23
- HPCS-MO-23
- HPCS-V-23
- RRA-FC-4+
- RRA-CC-4
- RRA-FC-4
- RRA-FN-4
- RRA-M-4
- RRA-RMS-S4
- SW-V-54+
- SW-M-V54
- SW-MO-54
- SW-V-54

ZONE D
NONE

ZONE E
NONE

ZONE F

- RHR-FCV-64B+
- RHR-FCV-64B
- RHR-M-V64B
- RHR-MO-64B
- RHR-V-4B+
- RHR-M-V4B
- RHR-MO-4B
- RHR-V-4B
- RRA-FC-3+
- RRA-CC-3
- RRA-FC-3
- RRA-FN-3
- RRA-M-3
- RRA-RMS-S3
- SW-V-24B+
- SW-M-V24B
- SW-MO-24B
- SW-V-24B

ZONE G

- FPC-V-153+
- FPC-M-V153
- FPC-MO-153
- FPC-V-153
- FPC-V-154+
- FPC-M-V154
- FPC-MO-154
- FPC-V-154
- FPC-V-156+
- FPC-M-V156
- FPC-MO-156
- FPC-V-156
- RHR-FCV-64A+
- RHR-PCV-64A
- RHR-M-V64A
- RHR-MO-64A
- RHR-V-4A+
- RHR-M-V4A
- RHR-MO-4A
- RHR-V-4A
- RRA-FC-2+
- RRA-CC-2
- RRA-FC-2
- RRA-FN-2
- RRA-M-2
- RRA-RMS-S2
- SW-V-24A+
- SW-M-V24A
- SW-MO-24A
- SW-V-24A

ZONE H
NONE

ZONE I

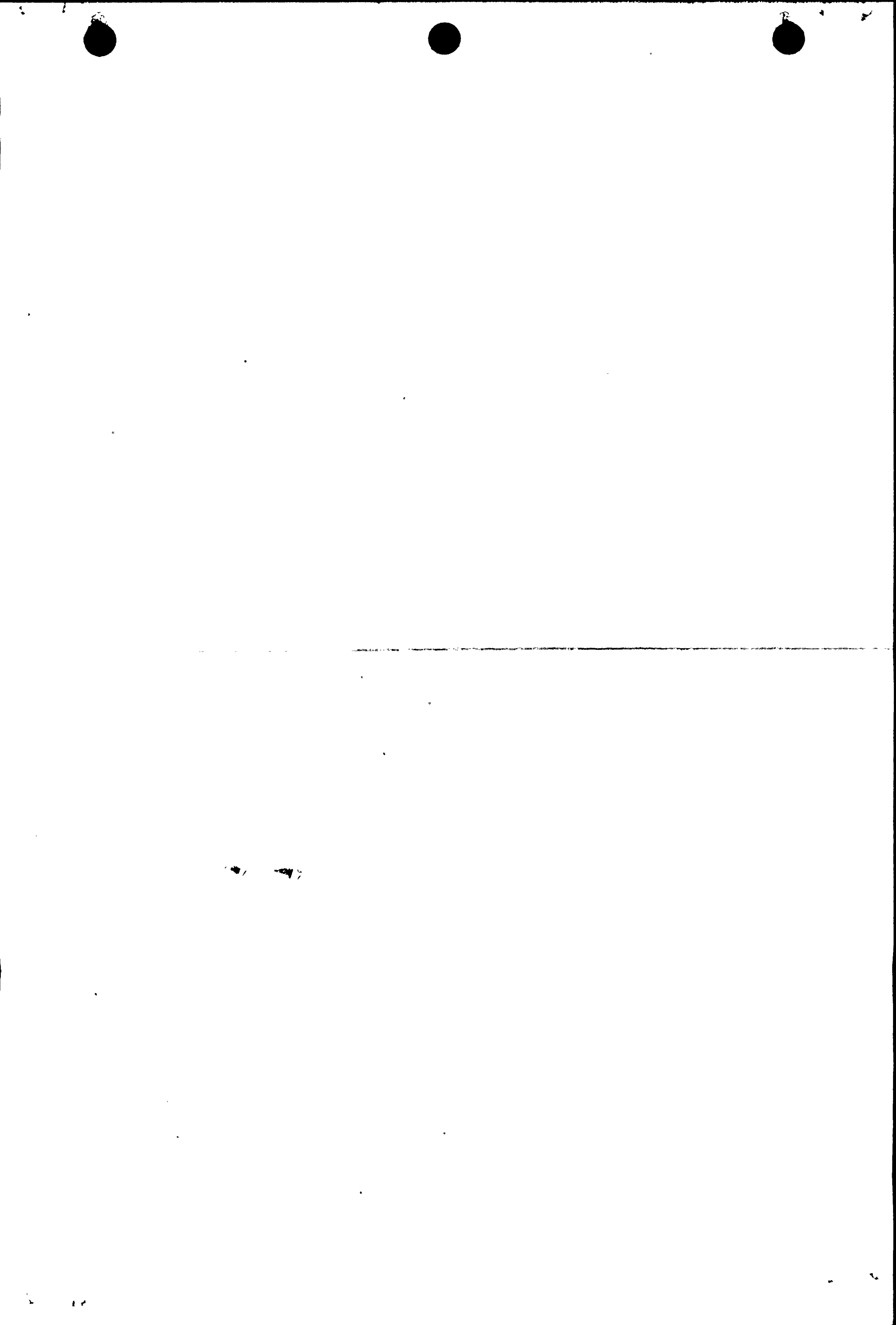
- RCIC-V-19+
- RCIC-LMS-19
- RCIC-M-V19
- RCIC-MO-19
- RCIC-V-19
- RCIC-V-22+
- RCIC-LMS-22
- RCIC-M-V22
- RCIC-MO-22
- RCIC-V-22
- RCIC-V-31+
- RCIC-LMS-31
- RCIC-M-V31
- RCIC-MO-31
- RCIC-V-31
- RCIC-V-59+

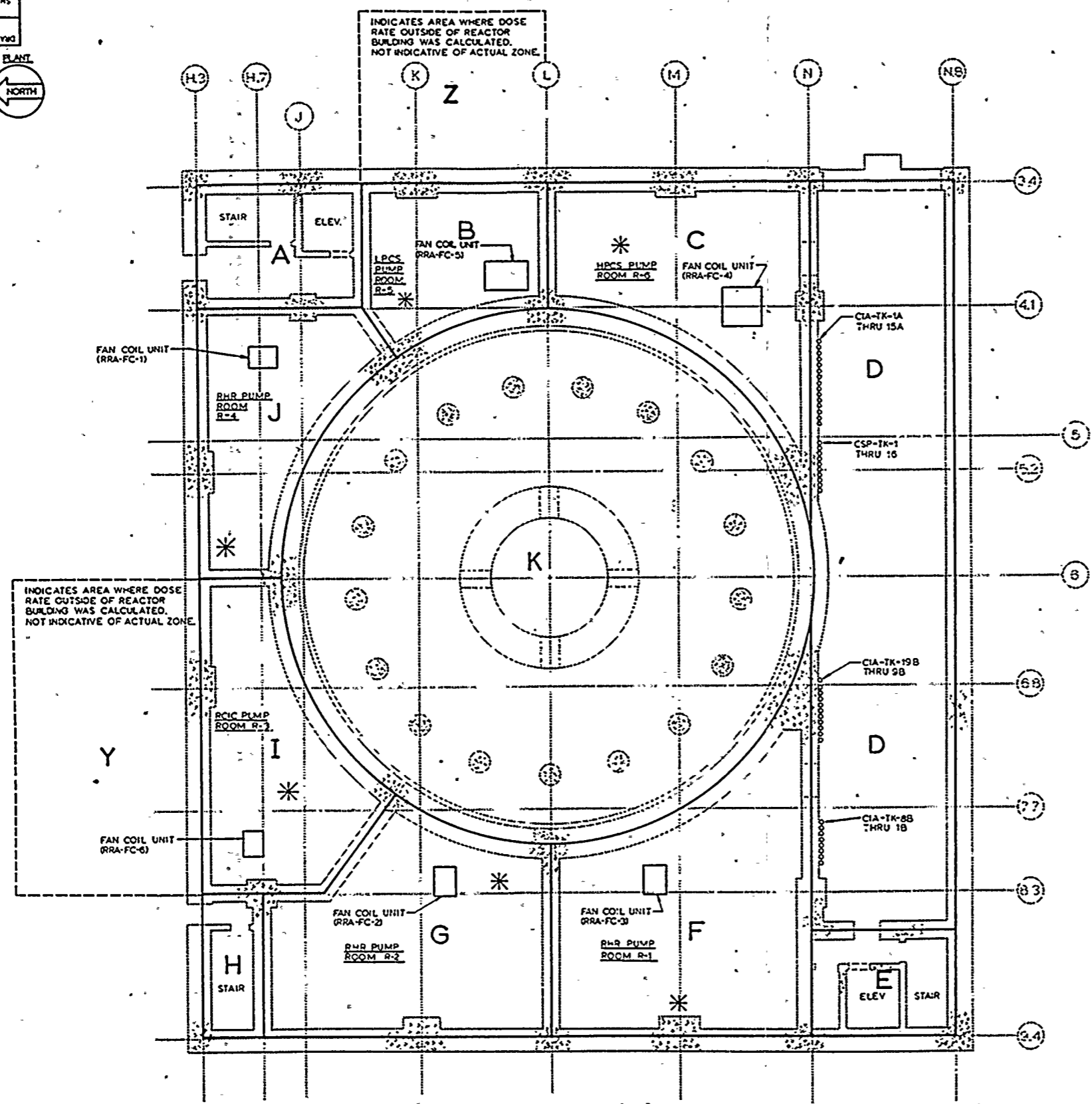
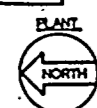
- RCIC-LMS-59
- RCIC-M-V59
- RCIC-MO-59
- RCIC-V-59
- RCIC-V-69+
- RCIC-LMS-69
- RCIC-M-V69
- RCIC-MO-69
- RCIC-V-69
- RRA-FC-6+
- RRA-CC-6
- RRA-FC-6
- RRA-FN-6
- RRA-M-6
- RRA-RMS-S6

ZONE J

- RHR-FCV-64C+
- RHR-FCV-64C
- RHR-M-V64C
- RHR-MO-64C
- RHR-V-21+
- RHR-M-V21
- RHR-MO-21
- RHR-V-21
- RHR-V-4C+
- RHR-M-V4C
- RHR-MO-4C
- RHR-V-4C
- RRA-FC-1+
- RRA-CC-1
- RRA-FC-1
- RRA-FN-1
- RRA-M-1
- RRA-RMS-S1
- SW-V-24C+
- SW-M-V24C
- SW-MO-24C
- SW-V-24C

COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON RADIATION ZONE MAP REACTOR BUILDING EL. 441'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: NONE
JOB NO. 1140-001		REV.
DRAWING NO.	M-441	0
SHEET 2 OF 2		





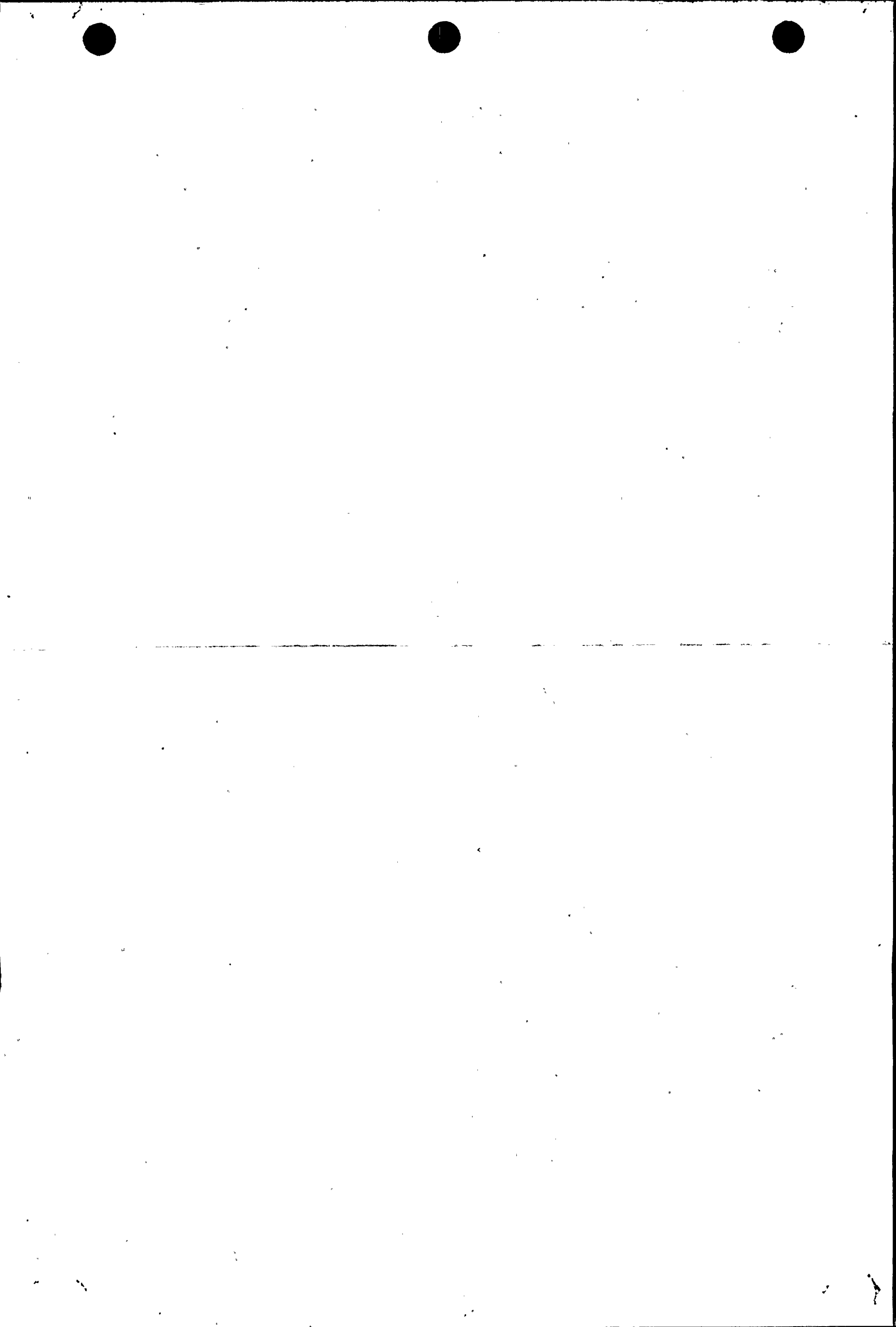
REACTOR BUILDING EL. 441'-0"

NOTES:

1. *, ●, ●● ARE IDENTIFIED IN GENERAL NOTES 2,3,&4 ON DRAWING M-422 SHEET 1
2. SEE DRAWING M-441 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES
3. SEE GENERAL NOTE 6 ON DRAWING M-422 SHEET 1 FOR GENERIC MECHANICAL EQUIPMENT DEFINITION

ZONE A NONE	CIA-SPV-19B CIA-SPV-1A CIA-SPV-1B CIA-SPV-2A CIA-SPV-2B CIA-SPV-3A CIA-SPV-3B CIA-SPV-4A CIA-SPV-4B CIA-SPV-5A CIA-SPV-5B CIA-SPV-6A CIA-SPV-6B CIA-SPV-7A CIA-SPV-7B CIA-SPV-8A CIA-SPV-8B CIA-SPV-9A CIA-SPV-9B SW-V-34	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 ZONE H NONE ZONE I * LD-TE-4B ● 4.0x10 ⁶ rad. RCIC-V-19+ RCIC-V-22+ RCIC-V-31+ RCIC-V-59+ RCIC-V-69+ RRA-FC-6+
ZONE B * LPCS-MO-12 ● 1.4x10 ⁶ rad. LPCS-V-1+ LPCS-V-12+ RRA-FC-5+ SW-V-44+	ZONE C * HPCS-MO-23 ● 1.4x10 ⁶ rad. 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 E NONE ZONE F * RHR-MO-64B ● 1.7x10 ⁶ rad. EDR-LS-3B HPCS-FE-7 RHR-FCV-64B+ RHR-V-4B+ RRA-FC-3+ SW-V-24B+ LD-TE-4A LD-TE-4B LD-TE-6A LD-TE-6B
ZONE D ●● 8.2x10 ³ rad. CIA-SPV-10A CIA-SPV-10B CIA-SPV-11A CIA-SPV-11B CIA-SPV-12A CIA-SPV-12B CIA-SPV-13A CIA-SPV-13B CIA-SPV-14A CIA-SPV-14B CIA-SPV-15A CIA-SPV-15B CIA-SPV-16B CIA-SPV-17B CIA-SPV-18B	ZONE G * RHR-MO-4A ● 9.9x10 ⁵ rad. PFC-V-153+	ZONE J * RHR-MO-21 ● 3.1x10 ⁶ rad. RHR-FCV-64C+ RHR-V-21+ RHR-V-4C+ RRA-FC-1+ SW-V-24C+ CHS-LT-1 RHR-FE-14C

RADIATION ZONE MAP REACTOR BUILDING EL. 441'-0" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE 1/8" = 1'-0"
JOB NO. 1140-001		REV.
DRAWING NO. M-441	3	
SHEET 1 OF 2		



ZONE A

NONE

CRD-PS-1A
CRD-IR-1C+
CRD-PI-17B
CRD-PS-1B

ZONE K

NONE

RCIC-MO-10
RCIC-V-10
RCIC-V-12+
RCIC-M-V12
RCIC-MO-12
RCIC-V-12

ZONE B

NONE

CRD-P-1A+
CRD-P-1A
CRD-P-1B+
CRD-P-1B
E-IR-61+

ZONE L

RCIC-DT-1+

RCIC-V-2+
RCIC-HO-2
RCIC-LMS-C21
RCIC-LMS-C22

ZONE C

LPCS-PCV-11+
LPCS-FCV-11
LPCS-LMS-11
LPCS-M-V11
LPCS-MO-11

RCIC-DT-1
RCIC-LMS-H1/2
RCIC-LMS-V1
RCIC-P-1
RCIC-P-5
RCIC-PI-3

RCIC-V-2
RCIC-V-25+
RCIC-AO-25
RCIC-LMS-25
RCIC-V-25

LPCS-P-1+
LPCS-H-1
LPCS-M-1
LPCS-P-1

ZONE F

NONE

RCIC-RMS-RTRIP
RCIC-SS-C002
RCIC-V-104
RCIC-V-105

RCIC-V-26+
RCIC-AO-26
RCIC-LMS-26
RCIC-V-26

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

ZONE G

NONE

RCIC-V-106
RCIC-V-24
RCIC-V-29
RCIC-V-51

RCIC-V-4+
RCIC-AO-4
RCIC-LMS-4
RCIC-V-4

ZONE D

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

ZONE H

NONE

RCIC-HX-1+
RCIC-HX-1
RCIC-HX-2+
RCIC-F-1

RCIC-LMS-45
RCIC-M-V45
RCIC-MO-45
RCIC-V-45

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

ZONE I

FDR-V-602+
FDR-AO-602
FDR-V-602
RHR-P-2B+
RHR-M-2B
RHR-P-2B
RHR-V-6B+
RHR-M-6B
RHR-MO-6B
RHR-V-6B

RCIC-HX-2
RCIC-HX-2
RCIC-P-3+
RCIC-M-3
RCIC-P-3

RCIC-V-46+
RCIC-LMS-46
RCIC-M-V46
RCIC-MO-46
RCIC-V-46

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

ZONE J

FDR-V-601+
FDR-AO-601
FDR-V-601
RHR-P-2A+
RHR-M-2A
RHR-P-2A
RHR-V-6A+
RHR-M-V6A
RHR-MO-6A
RHR-V-6A

RCIC-PCV-15+
RCIC-PCV-15
RCIC-TK-1+
RCIC-LS-11
RCIC-LS-12

RCIC-V-5+
RCIC-AO-5
RCIC-LMS-5
RCIC-V-5

HPCS-V-1+
HPCS-LMS-1
HPCS-M-V1
HPCS-MO-1
HPCS-V-1

RCIC-M-2
RCIC-M-4
RCIC-P-2
RCIC-P-4
RCIC-PCV-16
RCIC-PI-5

RCIC-V-54+
RCIC-AO-54
RCIC-LMS-54
RCIC-V-54

HPCS-V-12+
HPCS-LMS-12
HPCS-M-V12
HPCS-MO-12
HPCS-V-12

RCIC-P-4
RCIC-PCV-16
RCIC-PI-5
RCIC-PS-13
RCIC-RV-33

ZONE M

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

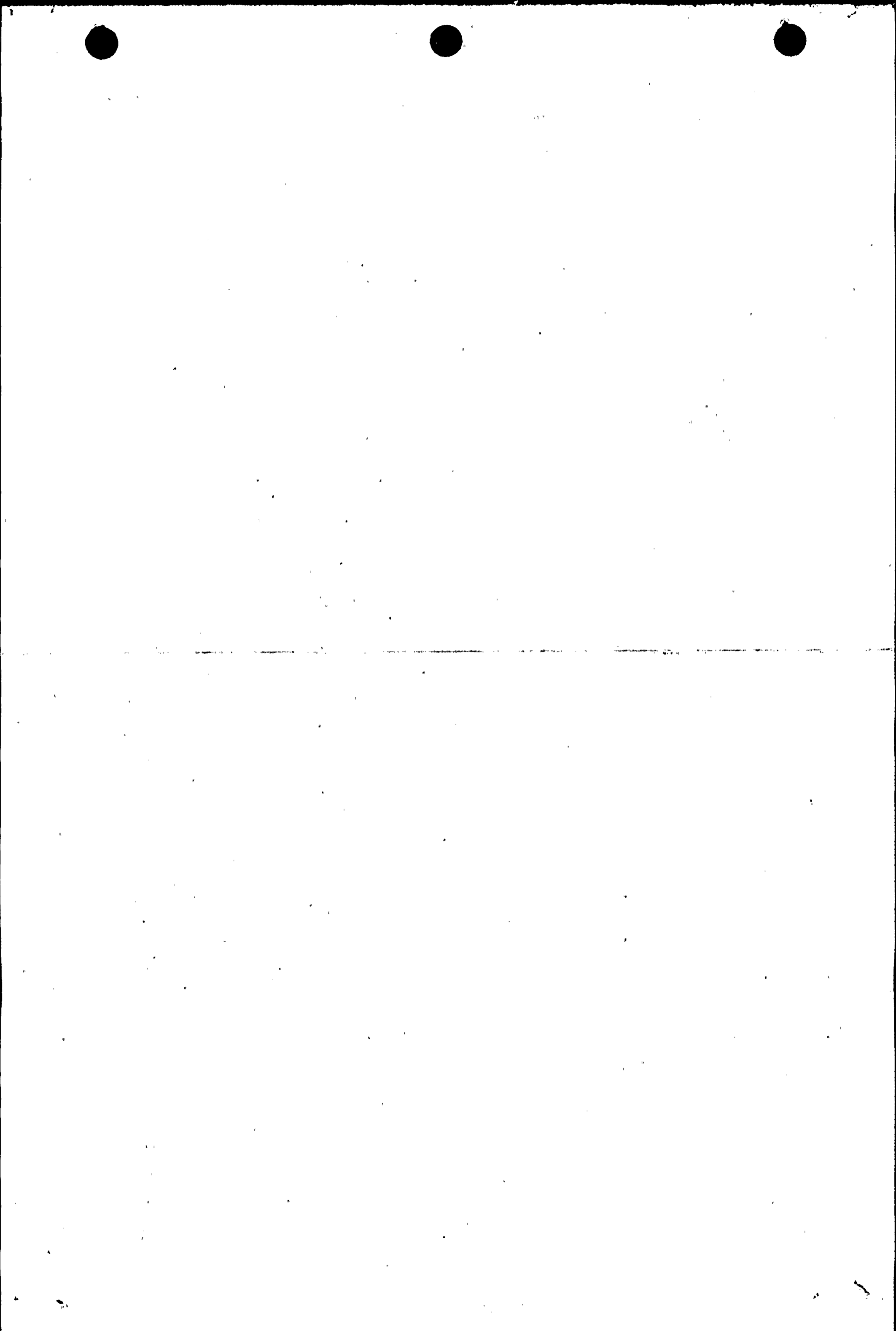
ZONE E

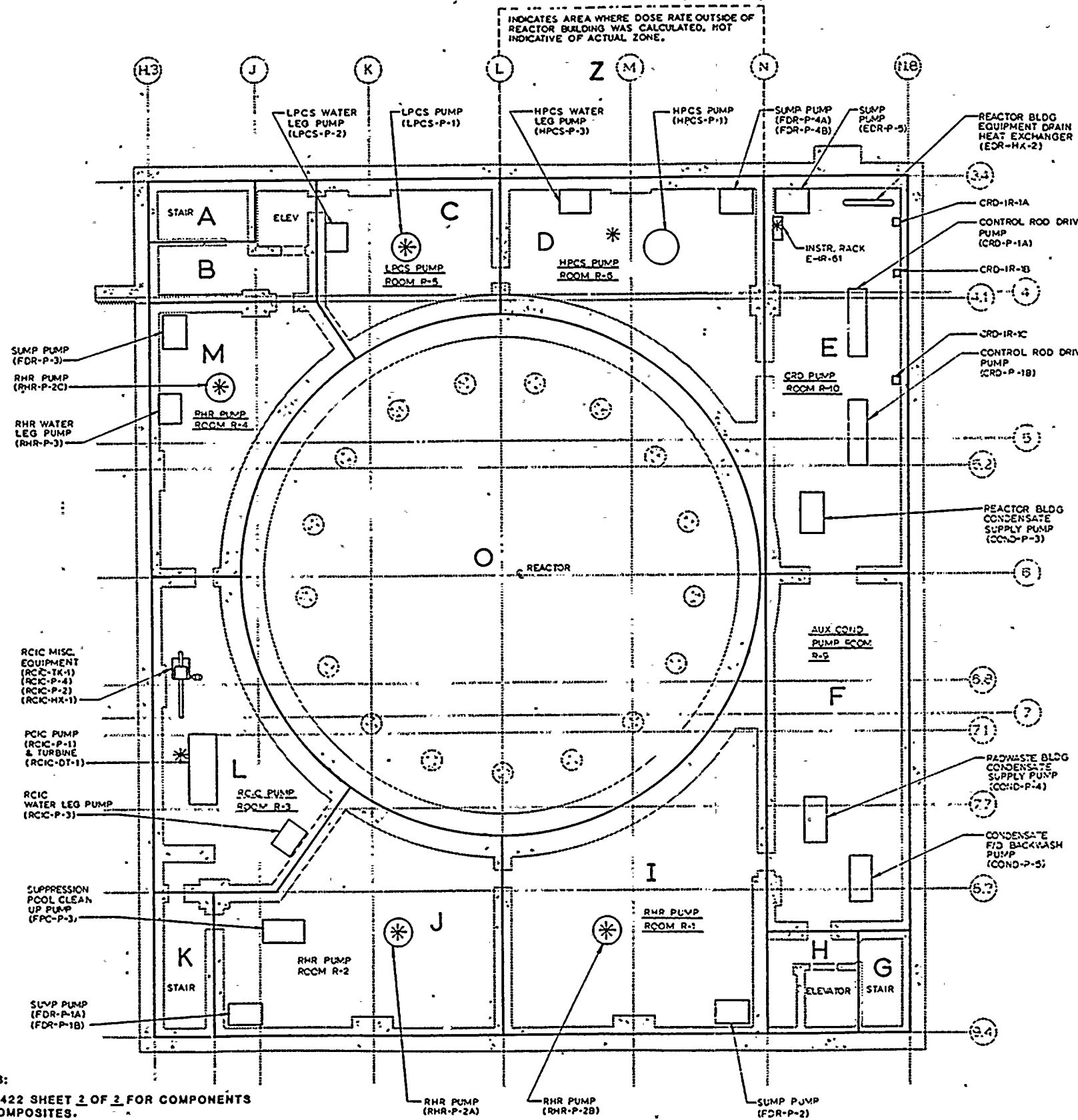
CRD-IR-1A+
CRD-DPIS-15
CRD-IR-1B+
CRD-PI-17A

RCIC-RV-33
RCIC-SS-1
RCIC-TK-1
RCIC-V-1+
RCIC-LMS-1
RCIC-LMS-C23
RCIC-M-V1
RCIC-MO-1
RCIC-V-1

RCIC-V-10+
RCIC-LMS-10
RCIC-M-V10

COMPONENT EQUIPMENT LIST FOR COMPOSITE EQUIPMENT SHOWN ON RADIATION ZONE MAP REACTOR BUILDING, EL. 422'-3" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE: NONE
		JOB NO.: 1140-001
DRAWING NO.	REV.	
M-422	0	
SHEET 2 OF 2		





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

SAFETY RELATED EQUIPMENT -BY ZONES

ZONE	EQUIPMENT LIST	DOSE RATE
ZONE A	E-IR-61+	
ZONE B	CRD-IR-1A CRD-RV-1A CRD-RV-1B	
ZONE C	LPCS-M-1 LPCS-FCV-11+ LPCS-P-1+ LPCS-P-2+	• 1.7x10 ⁶ rad.
ZONE D	HPCS-MO-12 FDR-V-603+ HPCS-P-1+ HPCS-P-3+ HPCS-V-1+ HPCS-V-12+	• 1.6x10 ⁶ rad.
ZONE E	CRD-IR-1A+ CRD-IR-1B+ CRD-IR-1C+ CRD-P-1A+ CRD-P-1B+	•• 9.4x10 ³ rad.
ZONE F	CRD-IR-1A CONTROL ROD DRIVE PUMP (CRD-P-1A) CRD-IR-1B CRD-IR-1C CONTROL ROD DRIVE PUMP (CRD-P-1B)	
ZONE G		
ZONE H		
ZONE I	RHR-M-2B	• 2.5x10 ⁶ rad
ZONE J	RHR-M-2A	• 2.0x10 ⁶ rad.
ZONE K		
ZONE L	RCIC-MO-46	• 1.2x10 ⁷ rad.
ZONE M	RHR-M-2C	• 1.9x10 ⁶ rad.

- GENERAL NOTES:**
- SEE DWG. M-422 SHEET 2 OF 2 FOR COMPONENTS OF LISTED COMPOSITES.
 - IDENTIFIES WORST TARGET FROM CALCULATION.
 - IDENTIFIES WORST TARGET GAMMA DOSE =
6 MONTH DIRECT ACCIDENT DOSE +
6 MONTH AIRBORNE ACCIDENT DOSE +
40 YEAR NORMAL OPERATIONS DOSE
 - ALL EQUIPMENT RECEIVES APPROXIMATELY SAME DOSE.
 - EQUIPMENT PART NUMBERS FOLLOWED BY "+*" ARE COMPOSITE EQUIPMENT.
 - GENERIC MECHANICAL EQUIPMENT (E.G., GENERAL CABLE, FLX, X, FG, CHECK VALVES, RO, RD, ST, T, TX, PWS AND MANUALLY OPERATED VALVES) WILL BE INCLUDED ONLY IF IT IS PART OF A COMPOSITE.

REACTOR BUILDING EL. 422'-3"

RADIATION ZONE MAP REACTOR BUILDING EL. 422'-3" WASHINGTON PUBLIC POWER SUPPLY SYSTEM		SCALE 1/8" = 1'-0"	
		JOB NO: 1140-001	REV.
		DRAWING NO. M-422	3
		SHEET 1 OF 2	

