



Illinois Power Company
Clinton Power Station
P.O. Box 678
Clinton, IL 61727
Tel. 217 935-6226
Fax 217 935-4632

J. Stephen Perry
Senior Vice President

U-602250
L30-94(02-09)LP
8G.120

10CFR50.54(f)
JSP-062-94
February 9, 1994

Docket No. 50-461

Mr. S. A. Varga
Nuclear Regulatory Commission
Acting Associate Director for Projects
Office of Nuclear Reactor Regulation
Washington, D. C. 20555-0001

Subject: Illinois Power's Response to the Nuclear Regulatory
Commission's Request for Additional Information
Regarding Generic Letter 92-08, "Thermo-Lag 330-1 Fire Barriers"

Dear Mr. Varga:

On December 27, 1993, Illinois Power (IP) received a letter of request for additional information regarding Generic Letter (GL) 92-08. In response to that request, IP has reevaluated the applications of Thermo-Lag 330-1 fire barrier material at Clinton Power Station (CPS). This letter provides the results of this evaluation as well as the information requested in the letter. This letter supersedes our previous response to GL 92-08 (letter U-602124) dated April 16, 1993, and Bulletin 92-01, Supplement 1, "Failure of Thermo-Lag 330 Fire Barrier System to Perform Its Specified Fire Endurance Function" (letter U-602047) dated September 29, 1992.

IP has recognized the importance of this issue since it was initially identified. Due to the scope of the issue, IP is participating in the Nuclear Management and Resources Council (NUMARC) requalification effort. It was IP's intent to resolve our site-specific issues once the results of the NUMARC testing program were provided for use. The current scope of NUMARC's testing is limited to Thermo-Lag fire barrier protecting cables routed in conduits and cable trays. Since ten of the 11 installations (an installation is a location within a fire zone where Thermo-Lag fire barrier is utilized to protect a safe shutdown component) at CPS contain Thermo-Lag to protect cables routed in conduit or cable trays, IP expects that the NUMARC test results can be applied to the Thermo-Lag fire barrier installations at CPS. However, due to the scope of the NUMARC program and the results of the phase 1 tests, IP has decided to pursue a resolution to the Thermo-Lag fire barrier concerns without solely relying on the results of the NUMARC testing program. IP will continue to monitor the industry efforts to resolve the issue. If test results of other utilities or NUMARC provide other options, IP may exercise those options.

9403040225 940209
PDR ADDOCK 05000461
P PDR

APD
1/11

Each installation at CPS was evaluated using the Probabilistic Risk Assessment (PRA) process. Although the fire PRA being performed in accordance with our commitments to GL 88-20, Supplement 4, "Individual Plant Examination of External Events (IPEEE) for Severe Accident Vulnerabilities," is not complete, it was conservatively employed to perform a detailed evaluation of the risk effects of the various Thermo-Lag installations (see Attachment 5). These results are conservative in that more detailed modeling, including the benefits of fire suppression and operator action, would likely reduce the risk from any of the scenarios. The PRA evaluation considered the benefit of Thermo-Lag on core damage frequency, containment isolation, containment heat removal, and containment hydrogen control functions. For safety-significant Thermo-Lag installations, IP also considered the other installed fire protection features and the fire loading indicated by the calculated equivalent fire severity values provided in Appendix E of the CPS Updated Safety Analysis Report to determine the corrective actions necessary to restore the installations to the appropriate levels of protection.

Of the ten fire zones which contain 11 installations of Thermo-Lag, IP has determined that modifications are required in four of the fire zones to ensure that the safe shutdown components are protected to a level that meets IP's commitments to 10 CFR 50, Appendix R, requirements. For the remaining six fire zones, IP will perform safety evaluations in accordance with 10CFR50.59 to accept, where applicable, the Thermo-Lag installations. Compensatory hourly firewatch patrols will continue to ensure safe shutdown capability is maintained until appropriate corrective actions are completed. These compensatory measures remain consistent with the requirements of CPS procedure 1893.01, "Fire Protection Impairment Reporting," and the CPS Technical Specifications.

The paragraphs that follow provide a description of the 11 installations of Thermo-Lag at CPS. Please note that there are two installations in fire zone CB-1f.

1) Fire Zone (also Fire Area) CB-4

This fire zone is the Division 1 cable spreading room located in the Control Building on the 781' elevation. The PRA evaluation indicates that the one-hour rated fire barrier protecting the NSPS Division 2 120V Bus B cables in conduits provides a significant safety benefit to the equipment protected.

IP will design and install a hardware modification in this fire zone prior to or during Refueling Outage No. 6.

2) Fire Zone CB-5a

This fire zone is the Division 3 Switch Gear room located in the Control Building on the 781' elevation. The PRA evaluation indicates that the three-hour rated Thermo-Lag fire barrier which protects the Division 1 power cables in conduits provides significant

safety benefit for the equipment protected. The protected power supplies to NSPS 120V Bus A provide initiation and control power for the Division 1 Emergency Core Cooling System equipment.

IP will design and install a hardware modification in this fire zone prior to or during Refueling Outage No. 6.

3) Fire Zone CB-6d

This fire zone is the cable chase located in the corridor of the Control Building on the 800' elevation. The PRA evaluation indicates that the three-hour rated Thermo-Lag fire barrier protecting the Division 1 4160 volt power supply cables in conduits provides significant safety benefit for the equipment protected.

IP will design and install a hardware modification in this fire zone prior to or during Refueling Outage No. 6.

4) Fire Zone CB-1g

This fire zone is the Insulator's Area located on the 781' elevation of the Control Building. The Thermo-Lag installed in this area protects the Division 2 reactor water level instrumentation cables in a conduit. The PRA evaluation indicates that the three-hour Thermo-Lag fire barrier which protects this conduit has an insignificant impact on core damage frequency. It does, however, provide protection to the containment isolation capability. This fire zone, therefore, was determined to provide significant safety benefit for the equipment protected.

IP will design and install a hardware modification in this fire zone prior to or during Refueling Outage No. 7.

5) Fire Zone CB-1f (two installations)

This fire zone is the 762' elevation of the Control Building. The PRA evaluation indicates that the safety benefit provided by the two, three-hour rated Thermo-Lag fire barrier installations which protect the Division 2 power, control, and instrumentation cables in cable trays to provide a fire barrier between Division 1 and 2 safe shutdown cables in this fire zone is insignificant.

In addition to the lack of safety-significance of the Thermo-Lag in this area, there are several features associated with this fire zone that make it unlikely that a fire would adversely affect the ability to achieve and maintain safe shutdown in the event of a fire. First, the large volume of this fire zone and the use of solid cable tray bottoms and Institute of Electrical and Electronics Engineers (IEEE) 383-rated cables reduce the probability of an exposure fire affecting the cables due to plume, radiant or hot gas layer effects. Second, the calculated equivalent fire severity in this zone is 36 minutes, which is well below the fire rating of the Thermo-Lag in this area. Finally, this fire zone contains an ionization fire detection system, and portable extinguishers and hose stations are available for manual fire fighting.

IP intends to perform a safety evaluation in accordance with 10CFR50.59 by December 31, 1994, to accept the two Thermo-Lag fire barriers as-is.

6) Fire Zone F-1p

This fire zone consists of the 755' and 781' elevations of the Fuel Building. There are no cables protected by Thermo-Lag in this fire zone. The Thermo-Lag protects a pipe penetration through a three-hour rated fire barrier. Since none of the CPS Individual Plant Evaluation (IPE) basic events were affected by a failure of this penetration seal, no impact on core damage frequency or containment degradation was identified. The IPE model of plant equipment included all equipment considered important to plant safety.

In addition to the lack of safety significance of the Thermo-Lag in this area, several features associated with this fire zone make it unlikely that a fire would adversely affect the ability to achieve and maintain safe shutdown. First, the large volume of this fire zone and the use of solid cable tray bottoms and IEEE 383-rated cables reduce the probability of an exposure fire affecting the penetrations due to plume, radiant or hot gas layer effects. Second, the calculated equivalent fire severity in this fire zone is 17 minutes, which is well below the fire rating of the Thermo-Lag in this area. Finally, this fire zone contains an ionization fire detection system, and portable fire extinguishers and hose stations are available for manual fire fighting.

IP intends to perform a safety evaluation in accordance with 10CFR50.59 by December 31, 1994, to accept this Thermo-Lag installation as-is.

7) Fire Zone A-1a

This fire zone is the hallway on the 707' elevation of the Auxiliary Building. The PRA evaluation indicates that the safety benefit provided by the one-hour rated Thermo-Lag fire barrier which protects the Division 2 power, control, and instrumentation cables in cable trays in this fire zone is insignificant.

In addition to the lack of safety significance of the Thermo-Lag in this area, several features associated with this fire zone make it unlikely that a fire would adversely affect the ability to achieve and maintain safe shutdown. First, the large volume and high ceiling of this fire zone and the use of solid cable tray bottoms and IEEE 383-rated cables reduce the probability of an exposure fire affecting the cables due to plume, radiant or hot gas layer effects. Second, the calculated fire severity in this zone is 41 minutes, which is well below the fire rating of the Thermo-Lag in this area. Finally, this fire zone contains an ionization fire detection system, an automatic wet pipe sprinkler system, and portable fire extinguishers and hose stations are available for manual fire fighting.

IP intends to perform a safety evaluation in accordance with 10CFR50.59 by December 31, 1994, to accept the Thermo-Lag fire barriers in this fire zone as-is.

8) Fire Zone CB-1e

This fire zone is the corridor on the 737' elevation and the 751' elevation mezzanine floor of the Control Building. The PRA evaluation indicates that the safety benefit provided by the one-hour Thermo-Lag fire barrier which protects the Division 2 power, control, and instrumentation cables in trays in this fire zone is insignificant.

In addition to the lack of safety significance of the Thermo-Lag in this area, several features associated with this fire zone make it unlikely that a fire would adversely affect the ability to achieve and maintain safe shutdown. First, the large volume of this fire zone, the use of solid cable tray bottoms, and IEEE 383-rated cables reduce the probability of an exposure fire affecting the cables due to plume, radiant or hot gas layer effects. Second, the calculated equivalent fire severity in this zone is 27 minutes, which is well below the fire rating of the Thermo-Lag in this area. Finally, this fire zone contains an ionization detection system, a portion of this fire zone is provided with an automatic wet pipe sprinkler system, and portable fire extinguishers and hose stations are available for manual fire fighting.

IP intends to perform a safety evaluation in accordance with 10CFR50.59 by December 31, 1994, to accept the Thermo-Lag fire barriers in this fire zone as-is.

9) Fire Zone (also Fire Area) C-2

This fire zone is the entire Containment Building except for the Drywell. The Thermo-Lag installed in this fire zone is intended to function as a fire break. Above the 803' elevation, the Division 2 cable trays are routed within six feet of the Division 1 trays which contain the Division 1 Residual Heat Removal system safe shutdown cables. However, at the point of closest proximity of the cable trays there are no Division 2 safe shutdown cables in the tray. The Division 2 safe shutdown cables enter the Division 2 trays at a location which is approximately 80 feet away from the Division 1 safe shutdown cables. The concern was that a fire affecting one of the safe shutdown divisional cables could propagate to the other safe shutdown divisional cables through the Division 2 power, control, and instrumentation trays containing non-safe shutdown cables. This concern was addressed by placing a one-hour rated Thermo-Lag fire break in the Division 2 cable trays. The PRA evaluation for this fire zone has found that the safety benefit provided by the Thermo-Lag fire break in this fire zone is insignificant.

In addition to the lack of safety significance of the Thermo-Lag in this area, several features associated with this fire zone make it unlikely a fire would adversely affect the ability to achieve and maintain safe shutdown. First, the large volume and high ceiling of this fire zone, the use of solid cable tray bottoms, and IEEE 383-rated cables reduce the probability of an exposure fire affecting the cables due to plume, radiant or hot gas layer effects. Second, the calculated equivalent fire severity in this zone is 15 minutes, which is well below the fire rating of the Thermo-Lag in this area. Finally, the three cable trays provided with the Thermo-Lag fire break contain linear thermal detection, and portable fire extinguishers and hose stations are available for manual fire fighting in this fire zone.

IP intends to perform a safety evaluation in accordance with 10CFR50.59 by December 31, 1994, to accept this Thermo-Lag installation as-is.

10) Fire Zone (also Fire Area) D-8

This fire zone is the Division 1 diesel-generator ventilation fan room and an intake area located on the 762' elevation of the Diesel Generator Building. The PRA evaluation indicates that the safety benefit provided by the three-hour rated Thermo-Lag fire barrier protecting the Division 2 diesel-generator main power feed cables in conduits is insignificant.

In addition to the lack of safety significance of the Thermo-Lag in this area, several features associated with this fire zone make it unlikely that a fire would adversely affect the ability to achieve and maintain safe shutdown. First, the large volume of this fire zone and the use of rigid steel conduit and IEEE 383-rated cables reduce the probability of an exposure fire affecting the cables due to plume, radiant or hot gas layer effects. Second, the calculated equivalent fire severity in this fire zone is eight minutes, which is well below the fire rating of the Thermo-Lag in this area. Finally, thermal detectors are provided in the area of the Division 2 power cables, and portable fire extinguishers and manual hose stations are available for manual fire fighting.

IP intends to perform a safety evaluation in accordance with 10CFR50.59 by December 31, 1994, to accept the Thermo-Lag installation in this fire zone as-is.

Five attachments to this letter provide detailed information corresponding to the requests made in your letter. Below is an explanation of the attachments:

Attachment 1 - Affidavit

This attachment is the affidavit required when information is provided per 10CFR50.54(f).

Attachment 2 - Requested Information

This attachment is the additional information requested in your letter. It is organized similar to your request.

Attachment 3 - Thermo-Lag Matrix

Attachment 3 is a matrix designed to provide detailed information regarding the Thermo-Lag installed at CPS. This attachment supports information provided in Attachment 2.


Attachment 4 - Cables Protected by Thermo-Lag

This attachment is a matrix of cables protected by Thermo-Lag. It provides specific information regarding the cables discussed in this letter.

Attachment 5 - PRA Methodology

This attachment explains IP's approach to incorporate the PRA process in evaluating the safety benefit provided by Thermo-Lag.

Sincerely yours,


J.S. Perry
Senior Vice President

WTD/csm

Attachments

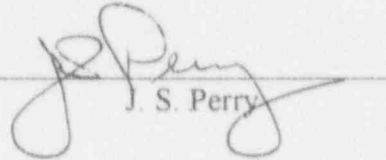
cc: NRC Clinton Licensing Project Manager
NRC Resident Inspector, V-690
NRC Region III, Regional Administrator
Illinois Department of Nuclear Safety
Nuclear Management and Resources Council, Attn: Alex Marion

Attachment 1
to U-602250

J. S. Perry, being first duly sworn, deposes and says that he is the Senior Vice President of the Nuclear Program at Illinois Power; that the letter which responds to the Nuclear Regulatory Commission's request for additional information regarding Generic Letter 92-08, "Thermo-Lag 330-1 Fire Barriers," has been prepared under his supervision and direction; that he knows the contents thereof; and that to the best of his knowledge and belief said letter and the facts contained therein are true and correct.

Date: This 9 day of February, 1994

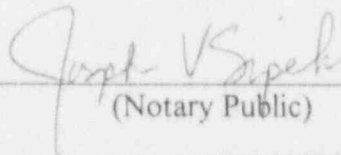
Signed:


J. S. Perry

STATE OF ILLINOIS

DeWitt COUNTY

Subscribed and sworn to before me this 9th day of
February, 1994.


(Notary Public)

OFFICIAL SEAL
Joseph V. Sipek
Notary Public, State of Illinois
My Commission Expires 11-24-97

Requested Information

I. Thermo-Lag Fire Barrier Configurations and Amounts

B. Required Information

1. The purpose of the Thermo-Lag installation is identified in Attachment 3, Column 18. The explanation of abbreviations used in this column is provided in Attachment 4. The dimensions of the protected item are provided in Attachment 3, Column 13 and 14.
2. The amount of Thermo-Lag fire barrier (linear feet) is provided in Attachment 3, Column 20; the square feet is provided in Column 21. The following are totals for primary (dedicated) items only. These totals do not include Thermo-Lag installed on secondary (non-dedicated) items such as hangers, supports, thermal short conduits, and ground straps. All values are approximate.
 - a. Cable tray fire barriers on primary items:

one-hour - 547 linear ft.; 3334 sq. ft.
three-hour - 149 linear ft.; 661 sq. ft.
 - b. Conduit fire barriers on primary items:

one-hour - 112 linear ft.
three-hour - 103 linear ft.
 - c. Other applications (pipe sleeve in F-1p) on primary items:

one-hour - 0 sq. ft.
three-hour - 8 sq. ft.
 - d. Not applicable - CPS has no radiant energy heat shields.

II. Important Barrier Parameters

B. Required Information

The 24 Thermo-Lag fire barrier parameters of importance discussed in Section II.A of the letter are provided in Attachment 3. The eight cable parameters of importance discussed in Section II.2.A of the letter are provided in Attachments 3 and 4.

In cases where the need for Thermo-Lag fire barriers will be eliminated through plant modifications, or the existing Thermo-Lag fire barrier is accepted as-is, the unknown parameters will not be evaluated. In cases where IP decides to upgrade the existing configuration, the necessary parameters will be obtained through destructive examinations, vendor sources, or further research of installation documentation. If it becomes unreasonably difficult to obtain the information by the above methods, IP will make a "worst-case" assumption for the unknown parameters. Finally, IP will consider the results of the NUMARC test program and Application Guide, and may either remove parameters from or add parameters to the list of important parameters depending upon the test results and Application Guide.

III. Thermo-Lag Fire Barriers Outside the Scope of the NUMARC Program

B. Required Information

1. Ten of the 11 installations at CPS where Thermo-Lag is installed are for electrical raceways, conduits, and cable trays. Since NUMARC's focus is on electrical raceway Thermo-Lag fire barriers, IP expects that when the NUMARC testing program is completed, IP would be able to assess the extent of applicability of the NUMARC tests to the ten installations at CPS. If the tests are satisfactory on the basis of temperatures recorded during the tests as provided for in the NRC draft test acceptance criteria, IP believes that the test results can be applied to the CPS Thermo-Lag installations. Performance parameters, such as the barrier geometry and cable fill percentage, will be evaluated. Until NUMARC's tests are completed, the Application Guide is issued and the CPS applicability evaluation is made, IP cannot state which of the CPS installations are bounded by the NUMARC tests.
2. IP's approach is to use the Probabilistic Risk Assessment (PRA) evaluations to determine the significant safety benefit of the installations and prioritize corrective actions accordingly. Installed fire protection features and the cost-benefit of making hardware modifications will be considerations in determining corrective actions. No plant-specific testing is being considered. In the event that a hardware modification is necessary and an applicable industry test is not available, IP plans to eliminate the need for Thermo-Lag by re-routing the cable or by using other conventional fire barriers.

3. A plant-specific fire endurance test program is not applicable. See item 2 above.

IV. Ampacity Derating

B. Required Information

Ten of the 11 CPS Thermo-Lag installations involve cables. Of these, one installation has no power cables. Ampacity derating is an issue that applies only to cable raceways containing power cables. For the nine installations which involve power cables, IP will participate in NUMARC's ampacity derating testing.

Ampacity derating factors determined for upgraded configurations can be conservatively applied to baseline configurations. The NUMARC program for ampacity derating evaluation contains the following elements.

For upgraded one-hour cable trays and conduits, NUMARC will be discussing with the NRC the generic applicability of ampacity derating factors derived by Texas Utilities Electric Company (TUEC) using the methodology of IEEE P848, Draft 11, with some modifications. The IEEE P848 test methodology has been extensively discussed with the NRC by NUMARC and TUEC. However, the NRC acceptance of the methodology is still pending. The NRC has informed NUMARC that they will issue a request for further information to TUEC regarding the submitted ampacity test report. The TUEC testing provided preliminary ampacity derating factors of 32% for cable trays and 11% for conduits which are within the range of previously reported values.

NUMARC will conduct ampacity testing of upgraded three-hour barriers to the requirements of IEEE P848, following determination of the appropriate fire barrier upgrades for the three-hour installations and agreement with the NRC on ampacity test methodology. It is expected that NUMARC's testing will be conducted in the second quarter of 1994, at the earliest. To the extent that successful upgrades using alternative materials are identified, ampacity testing of these upgrades will be considered as well.

The IEEE P848 approach provides for testing of a single cable tray, and small and large conduits. The limiting conduit derating factor (of the two sizes tested) is applied to the range of conduit sizes, cable fills, etc. For cable trays, the single cable tray derating factor is applied to all sizes of cable trays, cable fills, etc. Thus, ampacity testing can be performed generically with broad applicability, unlike fire testing where many performance parameters must be considered. The NUMARC program is expected to provide

ampacity derating factors for one- and three-hour barriers, for cable trays and conduits. Assuming NRC agreement with the IEEE P848 approach, few installations are expected to fall outside the generic scope.

Upon NUMARC's issuance of the ampacity derating factors, IP will incorporate the applicable values into the electrical design calculations.

V. Alternatives

B. Required Information

The following six alternatives are being considered for each CPS Thermo-Lag installation.

Four are Hardware Modification Options:

- Upgrade with additional Thermo-Lag material subsequent to successful results from NUMARC tests.
- Remove and replace Thermo-Lag with conventional building materials such as gypsum board, concrete blocks, or reinforced concrete.
- Relocate safe shutdown cables so that Thermo-Lag is not required.
- Qualify three-hour barrier to a one-hour rating by adding sprinklers and detection equipment.

Two are Engineering Evaluation/Exemption Request Options:

- Re-evaluate the fire protection Safe Shutdown analysis to eliminate or reduce the need for the fire barrier.
- Use the PRA evaluation process and existing fire loading as bases for accepting the existing condition.

VI. Schedules

B. Required Information

The cover letter which transmits this attachment provides the corrective action schedule for each of the Thermo-Lag installations at CPS.

VII. Sources and Correctness of Information

The sources used for obtaining the data for Attachments 3 and 5 are design documents, construction documents and walkdowns. In some cases, a worst-case assumption was made. The sources are available for review on-site.

Thermo-Lag Matrix

This attachment provides detailed information concerning the Thermo-Lag installed at Clinton Power Station. Below is an explanation of the terms and symbols used in the matrix.

Definitions

- °Verifier - an individual of sufficient knowledge and/or training to perform an independent validation of the information/data using the same or different sources.
- °Thermo-Lag - as used for this document, is the Thermo-Lag material enclosing the conduit(s), cable tray(s) or cable. It does not include supports, hangers or other such Thermo-Lag-wrapped components.
- °Asterisk - to confirm the configuration would require Thermo-Lag dismantling or barrier breach.
in column
- °Question - due to the nature of the installation and material characteristics, this item would be indeterminate even upon Thermo-Lag dismantling or barrier breach.
Mark
in column
- °n/a - not applicable for the particular configuration or component.
- °Y - Yes
- °N - No

Parameters

For all parameters, the entry is only applicable to raceways covered by Thermo-Lag. All Thermo-Lag-wrapped items are individually identified in the matrix, except for hangers and supports.

- 1) CPS Fire Zone - Subdivision of a fire area in which the suppression systems, spatial separation, and barriers are combined to combat particular types of fires and limit their potential spread.
- 2) Identification Number of Thermo-Lag-Coated Item - The individual identification number of the cable tray(s), conduit(s), junction box, pipe, wire, or blank if not numbered. For some fire zones, items are duplicated due to changes in the configuration of the item or of the Thermo-Lag barrier.
- 3) Type of Item - Common description of the device which has been wrapped in Thermo-Lag i.e., cable tray, conduit, ground strap, pipe, pull box, penetration sleeve, etc.

- 4) Horizontal - "Y" if the item is horizontal for at least 6" and "N" otherwise.
- 5) Vertical - "Y" if the item is vertical for at least 6" and "N" otherwise.
- 6) Radial Bend - "Y" if the item has a partial or full bend from horizontal to vertical, otherwise "N".
- 7) Lateral Bend - "Y" if the item has a bend in a horizontal plane, otherwise "N."
- 8) Offset from Straight - "Y" if the item has a jog in it (horizontal or vertical), otherwise "N."
- 9) Tee-Section - (Applicable for cable trays only.) "Y" if the tray section connects with another tray section perpendicular to it, "N" if the tray section does not, and "n/a" if the item is not a cable tray.
- 10) Material of Item - "C" for copper, "F" for flex conduit, "A" for aluminum, "S" for steel.
- 11) Solid or Open (ladder) - (Applicable for cable trays only.) "S" if the tray is solid-backed, "O" if ladder-backed, or "n/a" if the item is not a cable tray.
- 12) Continuous Tray Covers - (Applicable for cable trays only.) "Y" if the cable tray design specified a 100% tray cover, "N" if partial or none, and "n/a" if the item is not a cable tray.
- 13) Width or Diameter (inches) - The width of the tray, diameter of conduit, width of (pull, junction, etc.) box, or size of cable outside of raceway.
- 14) Depth (inches) - The depth of the tray or (pull, junction, etc.) box, or "n/a" otherwise.
- 15) Air Drop - (Applicable for raceways only.) Locations where a cable is unsupported for approximately ten inches or more and unenclosed by a raceway. "Y" if an air drop exists, "N" if not, and "n/a" if it is an item such as pipe, ground strap, or light fixture.
- 16) Cable Fill - Percentage of raceway area occupied by cable. Values are identified only for dedicated cable trays and conduits.
- 17) Intended Rating of the Thermo-Lag (hours) - "1" for one-hour rating or "3" for three-hour rating.
- 18) Purpose of Thermo-Lag -
 - a1) rated fire barrier to satisfy IP's commitments to III.G.2 of 10CFR50, App. R
 - a2) radiant energy heat shield inside inerted containment to satisfy IP's commitments to III.G.2 of 10CFR50, App. R

- b1) rated fire barrier to justify an approved deviation from IP's commitments to full area fire detection requirements of III.G.2 of 10CFR50, App. R
 - b2) rated fire barrier to justify an approved deviation from IP's commitments to full area fire suppression requirement of III.G.2 of 10CFR50, App. R
 - c) barrier to achieve physical independence of electrical systems per NRC Reg. Guide 1.75
 - d) rated fire barrier to meet a condition of the CPS operating license
 - e1) rated fire barrier to satisfy a CPS licensing commitment
 - e2) fire break to satisfy a CPS licensing commitment
- 19) Dedicated Item or Thermal Short - "D" (dedicated) if the Thermo-Lag wrap is installed to protect the cables inside the item or provide a rated barrier (original identified scope); "TS" (thermal short) if a secondary item is Thermo-Lag wrapped because it contacts, supports, or interfaces with a primary item (field-added scope).
- 20) Linear Feet of Thermo-Lag (ft) - Estimation of the total linear feet enclosed in Thermo-Lag for the identified item.
- 21) Square Feet of Thermo-Lag (sq. ft.) - (Applicable for cable trays only.) Estimation of the total surface area of Thermo-Lag for the identified item.
- 22) Thermo-Lag Firestop - (Applicable to raceways only.) "Y" if Thermo-Lag is used as a firestop internal to the raceway, "N" if it is not used, and "n/a" if item is not a raceway.
- 23) Bisco Penetration Seal - (Applicable to raceways only.) "Y" if a Bisco material firestop is internal to the item or as part of the fire barrier, "N" if it is not used, and "n/a" if item is not a raceway.
- 24) Base Material Application -
- 1C) One layer of Thermo-Lag preformed for conduit
 - 2C) Two layers of Thermo-Lag preformed for conduit
 - 1P) One layer of Thermo-Lag preformed panel
 - 2P) Two layers of Thermo-Lag preformed panel
 - T) Trowel grade Thermo-Lag
 - S) Thermo-Lag spray application.
- 25) Baseline Min. Barrier Thickness (inches) - The minimum thickness of Thermo-Lag material installed to obtain the intended rating

- 26) Stress-Skin Inside or Outside - "I" for inside, "O" for outside, "IO" for both orientations of the stress-skin, and "n/a" if stress-skin was not used.
- 27) Stress-Skin Ties - "Y" if stress-skin ties (ties which hold the panels together from skin to skin) were installed, "N" if no stress-skin ties exist, and "n/a" if stress-skin was not used.
- 28) Ribs Inside, Outside, or Pounded Out - "I" for the pre formed panel ribs being installed inside, "O" for outside, "IO" for both (2 panel-3 hour only), "P" if the ribs were pounded out, and "n/a."
- 29) Ribs Along or Across Raceway - This is an unconfirmable item, so for most cases an asterisk is entered except for conduits and then n/a may be entered.
- 30) Stainless Steel Bands - "Y" if bands are used or "N" if not used.
- 31) Tie Wires - Enter "Y" if tie wires are used or "N" if not used.
- 32) Max. Band to Joint Spacing (inches) - The maximum distance bands or tie wires are located from joints; "n/a" if no joints exist.
- 33) Max. Band or Tie Spacing (inches) - The maximum spacing between bands and/or tie wires or "n/a" if bands or ties were not used.
- 34) Internal Bands or Ties - "Y" if internal bands or ties exist, "N" if the bands or ties are not internal and "n/a" if bands or ties were not used.
- 35) Butt Joints - "Y" if the preformed Thermo-Lag was installed using butt jointed (end to end) installation configuration, if not "N", and "n/a" for non-preformed types of installation.
- 36) Grooved and Scored Joints - "Y" if there exist grooved and scored joints for preformed panel installation, "N" if not, or "n/a" for non-preformed types of installation.
- 37) Dry-Fit/Pre-Buttered/Post-Buttered Joints - "D" for dry-fitted (without trowel-grade Thermo-Lag) panel joints, "R" for panel joints pre-buttered with trowel-grade Thermo-Lag, "O" for panel joints filled in with trowel-grade Thermo-Lag after assembly (post-buttered), and "E" for either pre-buttered or post-buttered (but not dry-fit) panel joints. Dry-fit installation was not permitted at CPS; installation procedures allowed either pre- or post-buttering indiscriminately.
- 38) Max. Joint Gap Width (inches) - The largest acceptable gap between panels at a joint. At CPS this is not a defined limit.
- 39) Top Coat - "Y" if a top coat (sprayed or brushed on film) was applied over the Thermo-Lag final configuration, "N" if topcoat was not used.

40) Non-T-Lag Material Inside Raceway -

K = Kellem grip
SF = Silicone Foam
SC = Silicone Caulk
CF = Ceramic Fiber
SE = Silicone Elastomer

- 41) Concrete Interface (wall, floor, ceiling) - "Y" if the item penetrates a wall, floor or ceiling, and "N" if not.
- 42) Max. Wall Anchor Spacing (inches) - The maximum wall anchor spacing for holding the Thermo-Lag. "n/a" if no wall anchoring.
- 43) Edge Guards - "Y" if edge guards are installed on the corners of the preformed panel configuration, "N" if not used, and "n/a" if the installation does not have preformed panels.
- 44) Stress-Skin Over Joints - "Y" if stress-skin was installed over preformed Thermo-Lag joints, "N" if it was not, or "n/a" for non-preformed types of installation. Installation procedures did not require or allow this at CPS.
- 45) Additional Trowel Material - "Y" if trowel-grade Thermo-Lag was applied over the preformed Thermo-Lag or "N" if it was not. Installation procedures did not require or allow this at CPS.
- 46) Max. Unsupported Spans (inches) - The maximum span of unsupported Thermo-Lag (distance between inner bands or side-to-side of tray, whichever is larger) for the particular item or "n/a" for non-preformed types of installation.

| CFS Fire Zone | Item Parameters | | | | | | | | | | Thermo-Lag (T-L) Fire Barrier Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|--------------|------------|----------|-------------|--------------|---------------------|-------------|------------------|------------------------|--|----------------------------|----------------|----------|------------|--------------------------------------|-----|-----------------------|---------------------------------|-------------------------------|-----------------------------------|--------------------|---------------------------|--|------|-------|-------|--------------------------------------|------------------------------|-----------------------|-----------|-------|-------|-------------------------------------|-------|-----------------------------------|-------|------------------------|-------|-------------|-------|---------------------------|-------|--|-------|-------------------------------|-------|----------|---------------------------------|---|----|-----------------------------------|-------|-------------|-------|-------------------------|-------|----------------------------|-------|--------------------------------|
| | Item Number | Type of Item | Horizontal | Vertical | Radial Bend | Lateral Bend | Other from Straight | Tee-Section | Material of Item | Solid or Open (Ladder) | Continuous Tray Covers | Width or Diameter (Inches) | Depth (Inches) | Air Drop | Cable Fill | Unended Rating of Thermo-Lag (Hours) | LB1 | Purpose of Thermo-Lag | Dedicated Item or Thermal Short | Inner Feet of Thermo-Lag (ft) | Square Feet of Thermo-Lag (sq ft) | Thermo-Lag Firetop | Base Material Application | Baseline Min. Barrier Thickness (Inches) | HA.9 | HA.13 | HA.15 | Ribs inside, outside, or pounded out | Ribs along or across raceway | Stainless Steel Bands | Tie Wires | HA.19 | HA.19 | Max. Band to Joint Spacing (Inches) | HA.21 | Max. Band or Tie Spacing (Inches) | HA.20 | Internal Bands or Ties | HA.22 | Butt Joints | HA.18 | Grooved and Scored Joints | HA.18 | Dry-/Pre-Buttered/Post-Buttered Joints | HA.16 | Max. Joint Gap Width (Inches) | HA.17 | Top Coat | Non-Lag Material Inside Raceway | Concrete Interface (Wall, Floor, Ceiling) | HA | Max. Wall Anchor Spacing (Inches) | HA.14 | Edge Guards | HA.14 | Stress-Skin Over Joints | HA.14 | Additional Trovel Material | HA.23 | Max. Unsupported Span (Inches) |
| 47 | NBC 465 4(I) Letter Enclosure Item Number | 2 | Y | Y | Y | Y | Y | S | S | Y | Y | 24 | 6 | N | 1.6% | 47 | D | D | 54.5 | 272.5 | Y | N | 1P | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | |
| 48 | | | Y | Y | Y | Y | S | S | Y | Y | 24 | 6 | N | 1.1% | 48 | B | B | 18.0 | 90 | N | N | 1P | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 49 | | | Y | Y | Y | Y | S | S | Y | Y | 24 | 6 | N | 0.5% | 49 | D | D | 15.5 | 77.5 | N | N | 1P | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 50 | | conduit | Y | Y | Y | Y | S | S | Y | Y | 1 | n/a | N | n/a | 50 | TS | TS | 2.0 | n/a | N | Y | 1C,T | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 51 | | conduit | Y | Y | Y | Y | S | S | Y | Y | 4 | n/a | N | n/a | 51 | TS | TS | 2.0 | n/a | N | Y | 1C | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 52 | | conduit | Y | Y | Y | Y | S | S | Y | Y | 5 | n/a | N | n/a | 52 | TS | TS | 2.0 | n/a | N | Y | 1C | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 53 | | conduit | Y | Y | Y | Y | S | S | Y | Y | 5 | n/a | N | n/a | 53 | TS | TS | 2.0 | n/a | N | Y | 1C,T | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 54 | | conduit | Y | Y | Y | Y | S | S | Y | Y | 4 | n/a | N | n/a | 54 | TS | TS | 3.0 | n/a | N | Y | 1C | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 55 | | pipe | Y | Y | Y | Y | S | S | Y | Y | 2.5 | n/a | N | n/a | 55 | TS | TS | 6.0 | n/a | N | Y | 1C | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 56 | | pipe | Y | Y | Y | Y | S | S | Y | Y | 2 | n/a | N | n/a | 56 | TS | TS | 2.0 | n/a | N | Y | 1C | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 57 | | conduit | Y | Y | Y | Y | S | S | Y | Y | 3 | n/a | N | n/a | 57 | TS | TS | 3.0 | n/a | N | Y | 1C | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 58 | | conduit | Y | Y | Y | Y | S | S | Y | Y | 3 | n/a | N | n/a | 58 | TS | TS | 3.0 | n/a | N | Y | 2C | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 59 | | conduit | Y | Y | Y | Y | S | S | Y | Y | 3 | n/a | N | n/a | 59 | TS | TS | 3.0 | n/a | N | Y | 1C | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 60 | | conduit | Y | Y | Y | Y | S | S | Y | Y | 3 | n/a | N | n/a | 60 | TS | TS | 3.0 | n/a | N | Y | 1C | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 61 | | conduit | Y | Y | Y | Y | S | S | Y | Y | 0.5 | n/a | N | n/a | 61 | TS | TS | 3.0 | n/a | N | Y | 1C | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 62 | | pipe | Y | Y | Y | Y | S | S | Y | Y | 4 | n/a | N | n/a | 62 | TS | TS | 1.0 | n/a | N | Y | 1C | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 63 | | pipe | Y | Y | Y | Y | S | S | Y | Y | 2 | n/a | N | n/a | 63 | TS | TS | 1.0 | n/a | N | Y | 1C | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 64 | | pipe | Y | Y | Y | Y | S | S | Y | Y | 4 | n/a | N | n/a | 64 | TS | TS | 1.3 | n/a | N | Y | 1F,1C | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 65 | | ground strap | Y | Y | Y | Y | C | C | Y | Y | 500 MCM | n/a | N | n/a | 65 | TS | TS | 3.0 | n/a | N | Y | 1C,T | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 66 | | ground strap | Y | Y | Y | Y | C | C | Y | Y | 500 MCM | n/a | N | n/a | 66 | TS | TS | 4.0 | n/a | N | Y | 1C,T | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 67 | | ground strap | Y | Y | Y | Y | C | C | Y | Y | 500 MCM | n/a | N | n/a | 67 | TS | TS | 2.0 | n/a | N | Y | 1C,T | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 68 | | ground strap | Y | Y | Y | Y | C | C | Y | Y | 500 MCM | n/a | N | n/a | 68 | TS | TS | 4.0 | n/a | N | Y | 1C,T | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |
| 69 | | ground strap | Y | Y | Y | Y | C | C | Y | Y | 500 MCM | n/a | N | n/a | 69 | TS | TS | 3.0 | n/a | N | Y | 1C,T | 0.5* | 1* | 26 | 27 | 28 | 29 | 30 | Y | Y | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | | | | | | | | | | | | |

| | | Item Parameters | | | | | | | | | | | | | | Thermo-Lag (T-L) Fire Barrier Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|--|--------------|-----------------|----------|-------------|--------------|----------------------|-------------|------------------|------------------------|------------------------|----------------------------|----------------|----------|--|---------------------------------------|--|---------------------------------|--------------------------------|-----------------------------------|---------------------|------------------------|---|--|-------------------------------|-----------------|--------------------------------------|------------------------------|----------------------|-----------|-------------------------------------|-----------------------------------|------------------------|-------------|---------------------------|---|-------------------------------|----------|-----------------------------------|---|-----------------------------------|-------------|-------------------------|----------------------------|---------------------------------|----|
| CPS Fire Zone | NRC 50.54(f) Letter Enclosure Item Number | Identification Number of Thermo-Lag coated Item | Type of Item | Item Parameters | | | | | | | | | | | | | | Thermo-Lag (T-L) Fire Barrier Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1.B.1.3.3.5 | II.A.1 | II.A.1 | II.A.1 | II.A.3 | II.A.1 | II.A.5 | II.A.6 | II.A.4 | II.A.1 | II.A.1 | II.A.8 | 4 on page 3 | 1.B.1 | 1.B.1 | II.A.7 | 1.B.2 | 1.B.2 | II.A.10 | II.A.9 | II.A.13 | II.A.15 | II.A.11 | II.A.19 | II.A.19 | II.A.21 | II.A.20 | II.A.22 | II.A.18 | II.A.18 | II.A.16 | II.A.17 | 6 on page 3 | II.A. | II.A.24 | II.A.16 | II.A.23 | II.A.12 | | | | | | |
| | | | | Horizontal | Vertical | Radius Bend | Lateral Bend | Offset from Straight | Tee-Section | Material of Item | Solid or Open (hollow) | Continuous Tray Covers | Width or Diameter (inches) | Depth (inches) | Air Drop | Cable Fill | Intended Rating of Thermo-Lag (hours) | Purpose of Thermo-Lag | Dedicated Item or Thermal Short | Linear Feet of Thermo-Lag (ft) | Square Feet of Thermo-Lag (sq ft) | Thermo-Lag Firestop | Blow, Penetration Seal | Base M ₀ , v ₀ + cation | Baseline min. carrier thickness (inches) | Stress-skin inside or outside | Stress-skin Tie | Ribs inside, outside, or pounded out | Ribs along or across raceway | Standard Steel Bands | Tie Wires | Max. Band to Joint Spacing (inches) | Max. Band or Tie Spacing (inches) | Internal Bands or Ties | Butt Joints | Grooved and Scored Joints | Dry-fit Pre-Buttered Post-Buttered Joints | Max. Joint Gap Width (inches) | Top Coat | Non-T-Lag Material Inside Raceway | Concrete interface (wall, floor, ceiling) | Max. Wall Anchor Spacing (inches) | Edge Guards | Stress-skin Over Joints | Additional Trowel Material | Max. Unsupported Spans (inches) | |
| 70 | | ground strap | N | Y | Y | Y | Y | n/a | C | n/a | n/a | 500 MCM | n/a | N | n/a | | TS | 4.0 | n/a | N | n/a | 1C,T | 0.5* | 1* | * | n/a | n/a | N | Y | * | * | N | Y | * | E? | ? | N | none | N | n/a | n/a | N | N | * | | | |
| 71 | | ground strap | N | Y | Y | N | N | n/a | C | n/a | n/a | 500 MCM | n/a | N | n/a | | TS | 4.0 | n/a | N | n/a | 1C,T | 0.5* | 1* | * | n/a | n/a | Y | N | * | 4 | N | Y | * | E? | ? | N | none | N | n/a | n/a | N | N | 4 | | | |
| 72 | | ground strap | Y | N | N | Y | N | n/a | C | n/a | n/a | 500 MCM | n/a | N | n/a | | TS | 3.0 | n/a | N | n/a | 1C,T | 0.5* | 1* | * | n/a | n/a | N | Y | n/a | 5 | N | Y | * | E? | ? | N | none | N | n/a | n/a | N | N | 5 | | | |
| 73 | | ground strap | Y | N | Y | Y | N | n/a | C | n/a | n/a | 500 MCM | n/a | N | n/a | | TS | 5.0 | n/a | N | n/a | 1C,T | 0.5* | 1* | * | n/a | n/a | N | Y | n/a | 5 | N | Y | * | E? | ? | N | none | N | n/a | n/a | N | N | 5 | | | |
| 74 | | ground strap | Y | N | Y | Y | N | n/a | C | n/a | n/a | 500 MCM | n/a | N | n/a | | TS | 5.0 | n/a | N | n/a | 1C,T | 0.5* | 1* | * | n/a | n/a | N | Y | n/a | 5 | N | Y | * | E? | ? | N | none | N | n/a | n/a | N | N | 5 | | | |
| 75 | CB-1f | P2E | cable tray | N | Y | N | N | N | S | S | N | 24 | 12 | N | 16.3% | | 3 | h2 | D | 18.0 | 54 | N | Y | 1P | 1.0* | 1*O | * | * | Y | Y | 10 | 12 | Y | Y | * | E? | ? | N | K,SE | Y | 12* | N | N | N | 22 | | |
| 76 | | C2E | cable tray | N | Y | N | N | N | S | S | N | 24 | 12 | N | 23.5% | | | | D | 18.0 | 36 | N | Y | 1P | 1.0* | 1*O | * | * | Y | N | 10 | 12 | Y | Y | * | E? | ? | N | K,SE | N* | 12* | N | N | N | 22 | | |
| 77 | | K2E | cable tray | N | Y | N | N | N | S | S | Y | 24 | 12 | N | 1.1% | | | | D | 18.0 | 54 | N | Y | 1P | 1.0* | 1*O | * | * | Y | Y | 10 | 12 | Y | Y | * | E? | ? | N | K,SE | Y | 12* | N | N | N | 12 | | |
| 78 | | ground strap | Y | Y | Y | N | Y | n/a | C | n/a | n/a | 500 MCM | n/a | N | n/a | | TS | 2.0 | n/a | N | n/a | 1C,T | 1.0* | 1*O | * | n/a | n/a | Y | N | 4 | 5 | n/a | n/a | * | n/a | ? | N | none | N | n/a | n/a | N | N | 5 | | | |
| 79 | CB-1f | C2E | cable tray | N | Y | N | N | N | S | S | N | 36 | 12 | N | 19.4% | | | | 3 | h2 | D | 11.8 | 47.2 | N | Y | 1P | 1.0* | 1*O | * | * | Y | N | 5 | 12 | Y | Y | * | E? | ? | N | K,SE | Y | 12* | N | N | N | 34 |
| 80 | | C2E | cable tray | Y | N | Y | Y | N | S | S | N | 36 | 6 | N | 38.9% | | | | D | 38.5 | 269.5 | N | N | 1P | 1.0* | 1*O | * | * | Y | Y | 5 | 12 | Y | Y | * | E? | ? | N | none | Y | 12* | N | N | N | 34 | | |
| 81 | | K2E | cable tray | N | Y | N | N | N | S | S | Y | 24 | 12 | N | 2.1% | | | | D | 11.8 | 35.4 | N | Y | 1P | 1.0* | 1*O | * | * | Y | N | 5 | 12 | Y | Y | * | E? | ? | N | K,SE | Y | 12* | N | N | N | 12 | | |
| 82 | | K2E | cable tray | Y | N | Y | Y | N | S | S | Y | 24 | 6 | N | 4.3% | | | | D | 33.0 | 165 | N | N | 1P | 1.0* | 1*O | * | * | Y | Y | 9 | 12 | Y | Y | * | E? | ? | N | none | Y | 12* | N | N | N | 12 | | |
| 83 | | HA04A | pipe | Y | Y | Y | N | n/a | C | n/a | n/a | 3 | n/a | N | n/a | | TS | 8.0 | n/a | n/a | n/a | 1C,T | 1.0* | 1*O | * | n/a | n/a | N | Y | 4 | 6 | N | Y | * | E? | ? | N | none | N | n/a | n/a | N | N | 6 | | | |
| 84 | | C0610 | conduit | Y | N | N | Y | N | n/a | S | n/a | n/a | 1.5 | n/a | N | n/a | | TS | 4.0 | n/a | N | N | 1C,1P,T | 1.0* | 1*O | * | * | Y | N | * | 6 | Y | Y | * | E? | ? | N | none | N | n/a | n/a | N | N | 6 | | | |
| 85 | | P1B | cable tray | Y | N | Y | Y | N | S | S | N | 36 | 6 | N | n/a | | TS | 4.0 | 28 | Y | N* | 1P | 1.0* | 1*O | * | * | Y | Y | 3 | 6 | Y | Y | * | E? | ? | N | none | N | n/a | n/a | N | N | 34 | | | | |
| 86 | | ground strap | Y | N | N | N | n/a | C | n/a | n/a | 500 MCM | n/a | N | n/a | | TS | 1.5 | n/a | N | n/a | 1C,T | 1.0* | 1*O | * | n/a | n/a | Y | N | n/a | 6 | N | Y | * | E? | ? | N | none | N | n/a | n/a | N | N | 6 | | | | |
| 87 | | ground conduit | Y | N | N | N | n/a | S | n/a | n/a | 1 | n/a | N | n/a | | TS | 9.0 | n/a | N | N | 1P | 1.0* | 1*O | * | * | Y | N | 3 | 8 | Y | Y | * | E? | ? | N | none | Y | N | N | N | N | 8 | | | | | |
| 88 | CB-1g | C03222 | conduit | Y | Y | Y | Y | N | n/a | S | n/a | n/a | 1.5 | n/a | N | 22.5% | | 3 | h2 | D | 10.0 | n/a | N | Y | 1C,1P,T | 1.0* | 1*O | * | * | Y | N | 2 | 12 | n/a | Y | * | E? | ? | N | SC,CF | Y | 12 | N | N | N | 12 | |
| 89 | CB-4 | C0739 | conduit | Y | N | N | N | Y | n/a | S | n/a | n/a | 3 | n/a | N | 32.7% | | 1 | a1 | D | 17.3 | n/a | N | N | 1P | 0.5* | 1* | * | * | Y | N | * | 5 | n/a | Y | * | E? | ? | N | none | Y | N | N | N | 5 | | |
| 90 | | C0741 | conduit | Y | N | N | N | Y | n/a | S | n/a | n/a | 2.5 | n/a | N | 22.9% | | | D | 17.3 | n/a | N | N | 1P,T | 0.5* | 1* | * | * | Y | N | * | 5 | n/a | Y | * | E? | ? | N | none | Y | N | N | N | 5 | | | |
| 91 | | 1FP155A | pipe | Y | N | N | N | N | n/a | S | n/a | n/a | 8 | n/a | N | n/a | | TS | 2.0 | n/a | n/a | n/a | 1C | 0.5* | 1* | * | n/a | n/a | Y | N | n/a | 8 | n/a | Y | * | E? | ? | N | none | N | n/a | n/a | N | N | 8 | | |
| 92 | | C02272 | conduit | Y | N | Y | N | N | n/a | S | n/a | n/a | 2 | n/a | N | n/a | | TS | 1.5 | n/a | N | N | 1C,T | 1.0* | 1* | * | n/a | n/a | Y | N | 4 | 4 | n/a | Y | * | E? | ? | N | none | N | n/a | n/a | N | N | 4 | | |

Thermo-Lag Matrix

| CPS Fire Zone | Identification Number of Thermo-Lag coated Item | Item Parameters | | | | | | | | | | Thermo-Lag (T-L) Fire Barrier Parameters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---------------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--|--------|-------------|--------|--------|--------|--------|--------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|-------|---------|---------|---------|---------|-------|---|-----|-----|---|---|----|
| | | Type of Item | IL.A.1 | IL.A.1 | IL.A.1 | IL.A.1 | IL.A.1 | IL.A.5 | IL.A.6 | IL.A.4 | IL.B.1 | IL.B.1 | IL.A.8 | 4 on page 3 | IL.B.1 | IL.B.1 | IL.A.7 | IL.B.3 | IL.B.2 | IL.A.10 | IL.A.9 | IL.A.13 | IL.A.15 | IL.A.11 | IL.A.19 | IL.A.19 | IL.A.21 | IL.A.20 | IL.A.22 | IL.A.18 | IL.A.18 | IL.A.16 | IL.A.17 | 6 on page 3 | IL.A. | IL.A.24 | IL.A.14 | IL.A.23 | IL.A.12 | | | | | | | |
| 93 | CB-5a | C0734 | conduit | Y | N | N | Y | Y | n/a | S | n/a | n/a | 2 | n/a | N | 48.3% | 3 | b2 | D | 15.0 | n/a | N | Y | 1C,1P | 1.0* | 1*O | * | * | * | Y | N | 4 | 6 | n/a | Y | * | E? | ? | N | SF,CF | Y | N | N | N | N | 6 |
| 94 | | C0817 | conduit | Y | N | N | Y | N | n/a | S | n/a | n/a | 2 | n/a | N | 48.3% | | | D | 19.0 | n/a | N | Y | 1C,1P | 1.0* | 1*O | * | * | * | Y | N | 6 | 6 | n/a | Y | * | E? | ? | N | SF,CF | Y | N | N | N | N | 6 |
| 95 | | C0735 | conduit | Y | N | N | Y | Y | n/a | S | n/a | n/a | 2 | n/a | N | 20.7% | | | D | 16.0 | n/a | N | Y | 1C,1P | 1.0* | 1*O | * | * | * | Y | N | 4 | 6 | n/a | Y | * | E? | ? | N | SF,CF | Y | N | N | N | N | 6 |
| 96 | | C0818 | conduit | Y | N | N | Y | N | n/a | S | n/a | n/a | 2 | n/a | N | 20.7% | | | D | 18.0 | n/a | N | Y | 1C,1P | 1.0* | 1*O | * | * | * | Y | N | 5 | 6 | n/a | Y | * | E? | ? | N | SF,CF | Y | N | N | N | N | 6 |
| 97 | | 1P80118 | pull box | n/a | n/a | n/a | n/a | n/a | n/a | S | n/a | n/a | 12 | 6 | N | n/a | | | D | 1.5 | 4.5 | N | N | 1P | 1.0* | 1*O | * | * | * | Y | N | 2 | 6 | N | Y | * | E? | ? | N | none | N | n/a | N | N | N | 6 |
| 98 | | C02964 | conduit | Y | N | N | N | N | n/a | S | n/a | n/a | 3 | n/a | N | n/a | | | TS | 11.0 | n/a | N | N | 1C,1P | 1.0* | 1*O | * | * | * | Y | N | 4 | 6 | n/a | Y | * | E? | ? | N | none | Y | N | N | N | N | 6 |
| 99 | | C0723 | conduit | Y | N | Y | N | N | n/a | S | n/a | n/a | 1.5 | n/a | N | n/a | | | TS | 11.0 | n/a | N | N | 1C,1P | 1.0* | 1*O | * | * | * | Y | N | 2 | 6 | Y | Y | * | E? | ? | N | none | Y | N | N | N | N | 6 |
| 100 | | 1SA62DE | pipe | Y | N | N | N | N | n/a | S | n/a | n/a | 1 | n/a | N | n/a | | | TS | 3.0 | n/a | n/a | n/a | 1C,1P | 1.0* | 1*O | * | * | * | Y | N | 4 | 5 | Y | Y | * | E? | ? | N | none | N | n/a | N | N | N | 5 |
| 101 | | house power conduit | Y | N | N | N | N | N | n/a | S | n/a | n/a | 2 | n/a | N | n/a | | | TS | 3.0 | n/a | N | N | 1C,1P | 1.0* | 1*O | * | * | * | Y | N | n/a | 6 | Y | Y | * | E? | ? | N | none | N | n/a | N | N | N | 6 |
| 102 | | house power conduit | Y | N | N | N | N | N | n/a | S | n/a | n/a | 2 | n/a | N | n/a | | | TS | 3.0 | n/a | N | N | 1C,1P | 1.0* | 1*O | * | * | * | Y | N | n/a | 6 | Y | Y | * | E? | ? | N | none | N | n/a | N | N | N | 6 |
| 103 | CB-6d | C02999 | conduit | N | Y | N | N | N | n/a | S | n/a | n/a | 4 | n/a | N | 43.5% | 3 | b2 | D | 23.3 | n/a | N | N | 1P | 1.0* | 1*O | * | O | L | Y | N | 9 | 11 | N | Y | * | E? | ? | N | none | Y | 12 | N | N | N | 11 |
| 104 | | 1C03001 | conduit | N | Y | N | N | N | n/a | S | n/a | n/a | 2 | n/a | N | 48.3% | | | D | 23.3 | n/a | N | N | 1P | 1.0* | 1*O | * | O | L | Y | N | 9 | 11 | N | Y | * | E? | ? | N | none | Y | 12 | N | N | N | 11 |
| 105 | | 1C03002 | conduit | N | Y | N | N | N | n/a | S | n/a | n/a | 0.75 | n/a | N | 37.7% | | | D | 23.3 | n/a | N | N | 1P | 1.0* | 1*O | * | O | L | Y | N | 9 | 11 | N | Y | * | E? | ? | N | none | Y | 12 | N | N | N | 11 |
| 106 | D-8 | C92118 | conduit | Y | N | N | N | N | n/a | S | n/a | n/a | 5 | n/a | N | 45.7% | 1 | b1 | D | 38.8 | n/a | N | N | 1C | 0.5* | 1* | * | n/a | n/a | Y | N | 5 | 10 | N | Y | * | E? | ? | Y | none | Y | 12* | n/a | N | N | 10 |
| 107 | | C92120 | conduit | Y | N | N | N | N | n/a | S | n/a | n/a | 5 | n/a | N | 45.7% | | | D | 38.8 | n/a | N | N | 1C | 0.5* | 1* | * | n/a | n/a | Y | N | 6 | 10 | N | Y | * | E? | ? | Y | none | Y | 12* | n/a | N | N | 10 |
| 108 | F-1p | FB-781-01-2902 | sleeve | Y | N | N | N | N | n/a | S | n/a | n/a | 18 | 12 | N | n/a | 3 | a1 | D | 1.5 | 8.0 | N | N | 1P | 1.0* | 1*O | * | n/a | n/a | Y | N | 2* | 10 | * | Y | * | E? | ? | N | none | Y | N | N | N | N | 10 |

Cables Protected by Thermo-Lag

This attachment provides detailed information for cables contained in raceways which are protected by Thermo-Lag. Below is an explanation of the terms used in the cable matrix:

Firezone - Subdivision of a fire area, taken from the Thermo-lag matrix.

Raceway - A three-character designation which identifies the voltage classification (P-power, C-control, K-instrumentation), divisional assignment (1, 2, 3, or 4) and safety function (E-safety, B-non-safety, R-safety [reactor protection], N-safety [neutron monitoring], A-safety associated) of the cables. The designation is used to assure that proper segregation is maintained when routing the cables. This column indicates the type function of the cable as per parameter 1 on page 3 of the NRC letter.

Cable Route Point - The identifier for a section of raceway, either a length of cable tray or a conduit.

Cable Number - The individual identification number assigned to each cable; it contains the system designation of the cable.

Type code - A five-digit number which identifies the cable construction by number of conductors, size of conductor, and insulation rating (i.e., for 03355, the 03 means 3 conductor, 35 stands for 350 MCM, and 5 shows 5000 V-rated insulation).

Cable size - The size of the conductor(s) in the cable. It is given in either wire gauge (AWG) or circular mils (MCM). Due to the designation used at CPS, this includes nominal number 12 AWG shown as 19 strands of # 25 AWG (19/25) and nominal number 9 AWG shown as 19 strands of # 22 AWG (19/22). This column indicates the size as per parameter 1 on page 3 of the NRC letter.

Insulation material - The material used to insulate and jacket the cable. Either ethylene propylene rubber insulation with chlorosulfonated polyethylene jacketing (EPR/HYP) or Tefzel insulation and jacketing. This column provides the data for parameters 2 and 3 on page 3 of the NRC letter.

Cable function - The device which the cable feeds or is serving. Provided for all safe shutdown cables.

Safe Shutdown - Yes or blank. Indicates that the cable performs a function in the safe shutdown of the plant.

Full load Amps - The expected or maximum load associated with a particular end device. Provided for all safe shutdown power cables.

Cable Operating Temp. - The forty-year qualified life operating temperature of the cable. 90°C for all cables on this list. This column provides the data for parameter 7 on page 3 of the NRC letter.

Max. Temp. Limit - The maximum temperature at which the cable would still perform its function. During qualification testing the cables were tested to the Loss of Coolant Accident profile which began with operation in a 346° F ambient for three hours. This represents the highest tested temperature of the cable. But since the cable's flash point is 780° F and the self-ignition temperature is 820° F, it would be extremely unlikely that short-term exposure (3 to 4 hours) to temperatures of even 400° or 500° F would prevent the cable from performing its function. This column provides the data for parameter 8 on page 3 of the NRC letter.

Parameters 4,5,and 6 on page 3 of the NRC letter are not addressed in this matrix. For parameter 4, cable fill data (for trays and safe shutdown conduits) is provided in the Thermo-lag matrix (attachment 3) but the distribution of cables within the tray is an unknown unless the fire wrap is removed to allow inspection. As indicated in "Raceway" above, raceways are dedicated to one type of cable (Power, Control, or Instrumentation). However the cable's location within the envelope of the raceway is a random item based on factors such as what other cables had been or were being pulled at the time of installation. For parameter 5, this same randomness and limitation on inspection affects the ability to state exact distances inside the tray between the cable and Thermo-lag surfaces. For parameter 6, while the cables within conduits are not at issue (five of the ten raceway installations), the cable trays are, as stated above, not open for inspection. We would not expect to find foreign material within the tray boundary, but verifying this presents problems.

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|-------------------|-----------|------------|---------------------|---|----------------|----------------|-----------------------|------------------|
| A-1a | P2E | 165D | IAP29B | 03355 | 350 MCM | EPR-HYP | AUX TRANSF B1 FEED FROM 4.16 BUS 1B1 | YES | 20.4 | 90 C | 346 F |
| | | | IAP34G | 02096 | #19/22 AWG | EPR-HYP | FEED | | 0.1 | 90 C | 346 F |
| | | | IAP34H | 02096 | #19/22 AWG | EPR-HYP | FEED | | 0.1 | 90 C | 346 F |
| | | | IAP34J | 02096 | #19/22 AWG | EPR-HYP | FEED | | 0.1 | 90 C | 346 F |
| | | | IAP34N | 04201 | #2/0 AWG | EPR-HYP | 125VDC DIST PNL TO 480V UNIT SUB B | YES | 0.7 | 90 C | 346 F |
| | | | IAP34V | 03101 | #1/0 AWG | EPR-HYP | 125VDC TO SPARE PULLOUT 100A FUSE BOX | YES | 34.0 | 90 C | 346 F |
| | | | IAP34W | 03101 | #1/0 AWG | EPR-HYP | 125VDC TO SPARE PULLOUT 100A FUSE BOX | YES | 36.0 | 90 C | 346 F |
| | | | IAP36E | 03351 | 350 MCM | EPR-HYP | DG MCC 1B FEED | | 42.1 | 90 C | 346 F |
| | | | IDG21J | 03101 | #1/0 AWG | EPR-HYP | DC PWR TO DG1B CONT PNL 1FL12JB | YES | 0.7 | 90 C | 346 F |
| | | | IRD31B | 03061 | #6 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IRP02C | 04201 | #2/0 AWG | EPR-HYP | NSPS INV/STATIC BYPASS SW B, 1C71-S001B | YES | 80.0 | 90 C | 346 F |
| | | | ISX29A | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IVD02A | 03401 | #4/0 AWG | EPR-HYP | DG RM 1B VENT FAN, 1VC01CD | YES | 14.1 | 90 C | 346 F |
| | | | IVD10A | 03091 | #19/22 AWG | EPR-HYP | OUTSIDE AIR DMPR 1YB MTR, 1TZ-VD002A | YES | 0.2 | 90 C | 346 F |
| | | | IVD10B | 03091 | #19/22 AWG | EPR-HYP | RETURN AIR DMPR 2YB MTR, 1TZ-VD002B | YES | 0.2 | 90 C | 346 F |
| | | | IVD10C | 03091 | #19/22 AWG | EPR-HYP | EXHAUST AIR DMPR 3YB MTR, 1TZ-VD002C | YES | 0.2 | 90 C | 346 F |
| | | | IVD10D | 03091 | #19/22 AWG | EPR-HYP | ABANDONED-SPARE | YES | 0.0 | 90 C | 346 F |
| | | | IVG26B | 03091 | #19/22 AWG | EPR-HYP | SBGT SET B DMPR FEED | | 0.0 | 90 C | 346 F |
| | | | IVG28A | 03091 | #19/22 AWG | EPR-HYP | SBGT SET B DMPR FEED | | 0.0 | 90 C | 346 F |
| | | | A-1a | P2E | 166D | SAME AS 165D | | | | | |
| A-1a | P2E | 167D | SAME AS 165D | | | | | | | | |
| A-1a | | C61445 | IVG24A | 03091 | #19/22 AWG | EPR-HYP | SBGT SET B DMPR FEED | | 0.0 | 90 C | 346 F |
| A-1a | P2E | 168D | SAME AS 165D PLUS | | | | | | | | |
| | | | IVG24A | 03091 | #19/22 AWG | EPR-HYP | SBGT SET B DMPR FEED | | 0.0 | 90 C | 346 F |
| A-1a | P2E | 169D | SAME AS 165D PLUS | | | | | | | | |
| | | | IVG24A | 03091 | #19/22 AWG | EPR-HYP | SBGT SET B DMPR FEED | | 0.0 | 90 C | 346 F |
| A-1a | C2E | 165E | ILD08J | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1PS10P | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1PS10T | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RH04J | 07126 | #19/25 AWG | EPR-HYP | RHR PWR FEEDS CONT | | 0.0 | 90 C | 346 F |
| | | | 1RH34D | 03126 | #19/25 AWG | EPR-HYP | POT CONT | | 0.0 | 90 C | 346 F |
| | | | 1RH65A | 02126 | #19/25 AWG | EPR-HYP | SOL CONT | | 0.0 | 90 C | 346 F |
| | | | 1RI19C | 12126 | #19/25 AWG | EPR-HYP | STM 1B ISOL VLV CONT | YES | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit | |
|----------|---------|-------------------|-------------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|--|
| | | | ISC02G | 15126 | #19/25 AWG | EPR-HYP | IH13-P702A | | 0.0 | 90 C | 346 F | |
| | | | ISF07B | 02126 | #19/25 AWG | EPR-HYP | SF-SL-UI-VLV CONT | | 0.0 | 90 C | 346 F | |
| | | | IVD10J | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F | |
| | | | IVD10K | 04126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | YES | 0.0 | 90 C | 346 F | |
| | | | IVG26C | 04126 | #19/25 AWG | EPR-HYP | LIM SWS CONT | | 0.0 | 90 C | 346 F | |
| | | | IVG26G | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | | IVG28C | 04126 | #19/25 AWG | EPR-HYP | LIM SWS CONT | | 0.0 | 90 C | 346 F | |
| | | | IVG28F | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | | IVG32N | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | | IVP20L | 02096 | #19/22 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | | IVY05D | 07126 | #19/25 AWG | EPR-HYP | RHR HT EXCH FAN CONT | | 0.0 | 90 C | 346 F | |
| | | | IVY06F | 07126 | #19/25 AWG | EPR-HYP | RHR PMP RM FAN CONT | | 0.0 | 90 C | 346 F | |
| | | | IVY11A | 02126 | #19/25 AWG | EPR-HYP | L0C PNL IPL61JC CONT | | 0.0 | 90 C | 346 F | |
| | | | IVY13B | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | ▼ | IVY13D | 04126 | #19/25 AWG | EPR-HYP | NOT IN SERVICE | | 0.0 | 90 C | 346 F | |
| A-1a | C2E | 166E | SAME AS 165E PLUS | | | | | | | | | |
| | | ▼ | IVY07F | 07126 | #19/25 AWG | EPR-HYP | | | 0.0 | 90 C | 346 F | |
| A-1a | | C62154 | IVY13B | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | ▼ | IVY13C | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | | IVY13D | 04126 | #19/25 AWG | EPR-HYP | NOT IN SERVICE | | 0.0 | 90 C | 346 F | |
| A-1a | | C6132 | IRH57D | 07126 | #19/25 AWG | EPR-HYP | SOL CONT | | 0.0 | 90 C | 346 F | |
| A-1a | C2E | 167E | ILD08J | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | | IPS10P | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | | IPS10T | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | | IRH04J | 07126 | #19/25 AWG | EPR-HYP | RHR PWR FEEDS CONT | | 0.0 | 90 C | 346 F | |
| | | | IRH34D | 03126 | #19/25 AWG | EPR-HYP | POT CONT | | 0.0 | 90 C | 346 F | |
| | | | IRH57D | 07126 | #19/25 AWG | EPR-HYP | SOL CONT | | 0.0 | 90 C | 346 F | |
| | | | IRH65A | 02126 | #19/25 AWG | EPR-HYP | SOL CONT | | 0.0 | 90 C | 346 F | |
| | | | IRI19C | 12126 | #19/25 AWG | EPR-HYP | STM IB ISOL VLV CONT | YES | 0.0 | 90 C | 346 F | |
| | | | ISC02G | 15126 | #19/25 AWG | EPR-HYP | IH13-P702A | | 0.0 | 90 C | 346 F | |
| | | | ISF07B | 02126 | #19/25 AWG | EPR-HYP | SF-SL-UI-VLV CONT | | 0.0 | 90 C | 346 F | |
| | | | IVD10J | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F | |
| | | | IVD10K | 04126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | YES | 0.0 | 90 C | 346 F | |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|-------------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | 1VG26C | 04126 | #19/25 AWG | EPR-HYP | LIM SWS CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG26G | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG28C | 04126 | #19/25 AWG | EPR-HYP | LIM SWS CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG28F | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG32N | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VP20L | 02096 | #19/22 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VY05D | 07126 | #19/25 AWG | EPR-HYP | RHR HT EXCH FAN CONT | | 0.0 | 90 C | 346 F |
| | | | 1VY06F | 07126 | #19/25 AWG | EPR-HYP | RHR PMP RM FAN CONT | | 0.0 | 90 C | 346 F |
| | | | 1VY07F | 07126 | #19/25 AWG | EPR-HYP | RHR PMP RM FAN CONT | | 0.0 | 90 C | 346 F |
| | | | 1VY11A | 02126 | #19/25 AWG | EPR-HYP | L0C PNL 1PL61JC CONT | | 0.0 | 90 C | 346 F |
| | | | 1VY13C | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| A-1a | | C61446 | 1VG24C | 04126 | #19/25 AWG | EPR-HYP | LIM SWS CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG24F | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG93C | 04164 | 2 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| A-1a | C2E | 168E | SAME AS 167E PLUS | | | | | | | | |
| | | | 1VG24C | 04126 | #19/25 AWG | EPR-HYP | LIM SWS CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG93C | 04164 | 2 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| A-1a | | C6359 | 1PS10N | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1PS10S | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1SF07A | 07126 | #19/25 AWG | EPR-HYP | SF-SL-1/1-VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SF07B | 02126 | #19/25 AWG | EPR-HYP | SF-SL-1/1-VLV CONT | | 0.0 | 90 C | 346 F |
| A-1a | C2E | 169E | ILD08J | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1PS10N | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1PS10P | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1PS10S | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1PS10T | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RH04J | 07126 | #19/25 AWG | EPR-HYP | RHR PWR FEEDS CONT | | 0.0 | 90 C | 346 F |
| | | | 1RH34D | 03126 | #19/25 AWG | EPR-HYP | POT CONT | | 0.0 | 90 C | 346 F |
| | | | 1RH57D | 07126 | #19/25 AWG | EPR-HYP | SOL CONT | | 0.0 | 90 C | 346 F |
| | | | 1RH65A | 02126 | #19/25 AWG | EPR-HYP | SOL CONT | | 0.0 | 90 C | 346 F |
| | | | 1RI19C | 12126 | #19/25 AWG | EPR-HYP | STM IB ISOL VLV CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SC02G | 15126 | #19/25 AWG | EPR-HYP | 1H13-P702A | | 0.0 | 90 C | 346 F |
| | | | 1SF07A | 07126 | #19/25 AWG | EPR-HYP | SF-SL-1/1-VLV CONT | | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | ▼ | 1VD10J | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VD10K | 04126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | YES | 0.0 | 90 C | 346 F |
| | | | 1VG24C | 04126 | #19/25 AWG | EPR-HYP | LIM SWS CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG24F | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG26C | 04126 | #19/25 AWG | EPR-HYP | LIM SWS CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG26G | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG28C | 04126 | #19/25 AWG | EPR-HYP | LIM SWS CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG28F | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG32N | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG93C | 04164 | 2 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VP20L | 02096 | #19/22 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VY05D | 07126 | #19/25 AWG | EPR-HYP | RHR HT EXCH FAN CONT | | 0.0 | 90 C | 346 F |
| | | | 1VY06F | 07126 | #19/25 AWG | EPR-HYP | RHR PMP RM FAN CONT | | 0.0 | 90 C | 346 F |
| | | | 1VY07F | 07126 | #19/25 AWG | EPR-HYP | RHR PMP RM FAN CONT | | 0.0 | 90 C | 346 F |
| | | | 1VY11A | 02126 | #19/25 AWG | EPR-HYP | LOC PNL 1PL61JC CONT | | 0.0 | 90 C | 346 F |
| 1VY13C | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | | | |
| A-1a | K2E | 165F ▼ | ILD26E | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | ILD26F | 02166 | 1PR#16 CRC | EPR-HYP | | YES | 0.0 | 90 C | 346 F |
| | | | ILD26G | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | ILD28C | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | ILD28D | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| C-2 | P2E | 17199D | ICC16J | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | ICC16S | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | ICY06G | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | IFC05B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | IFC20B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | IFP62C | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | IFP65C | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | IHG20A | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| | | | IHG20B | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| | | | IHG20C | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| | | | IHG20J | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| IHG21H | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F | | | |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|---------------------|----------------|----------------|-----------------------|------------------|
| | | | 1HG21M | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| | | | 1HG21N | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| | | | 1HG21P | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| | | | 1HG22D | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| | | | 1HG22E | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| | | | 1HG22F | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| | | | 1HG22P | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| | | | 1HG23E | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| | | | 1HG23F | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| | | | 1HG23G | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.60 | 90 C | 346 F |
| | | | 1HG25K | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | 1MC03B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | 1SC02B | 03021 | #2 AWG | EPR-HYP | STBY LIQ PU 1B FEED | | 1.30 | 90 C | 346 F |
| | | | 1SC06B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | 1VQ24B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | 1VR09B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | 1WO14B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | 1WO16B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.80 | 90 C | 346 F |
| | | | | | | | | | 0.0 | 90 C | 346 F |
| C-2 | | C74240 | 1HG21A | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1HG21C | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1HG21D | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1HG21H | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1HG21J | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1HG21K | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1HG21L | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1HG21M | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1HG21N | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1HG21P | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1HG25L | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | | | | | | | 0.0 | 90 C | 346 F |
| C-2 | | C74241 | 1HG22D | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1HG22E | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1HG22F | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1HG22G | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|------------|------------|---------------------|----------------|----------------|----------------|-----------------------|------------------|
| | | ▼ | IHG22H | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG22J | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG22K | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG22L | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG22M | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG22N | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG22P | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG25M | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| C-2 | | ▼ | IHG23A | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG23B | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG23C | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG23D | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG23E | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG23F | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG23G | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG23L | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG23M | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG23N | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG23P | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | IHG25N | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F | |
| C-2 | | ▼ | IHG25P | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG27A | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG27B | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG27C | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG27D | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG27E | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG27F | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG27G | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG27H | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG27J | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG27K | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG27L | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | IHG27M | 02126 | #19/25 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| C-2 | | C74123 | 1HG14L | 02126 | #19/25 AWG | EPR-HYP | | | 0.0 | 90 C | 346 F |
| C-2 | C2E | 17199E | 1CC16K | 12126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F |
| | | | 1CC16T | 12126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F |
| | | | 1CM06L | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1CM06P | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1CM07G | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1CM12B | 02096 | #19/22 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1CM12F | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1CY06J | 12126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F |
| | | | 1FC05D | 12126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F |
| | | | 1FC20D | 12126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F |
| | | | 1FP62D | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1FP65D | 12126 | #19/25 AWG | EPR-HYP | K2983 IT 6 | | 0.0 | 90 C | 346 F |
| | | | 1IA06A | 07126 | #19/25 AWG | EPR-HYP | ISOL VLV IA007 CONT | | 0.0 | 90 C | 346 F |
| | | | 1IA06F | 07126 | #19/25 AWG | EPR-HYP | ISOL VLV IA006 CONT | | 0.0 | 90 C | 346 F |
| | | | 1LD08I | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1MC03D | 12126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F |
| | | | 1PS13D | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1PS13W | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RA03G | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RA03H | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RE06J | 02096 | #19/22 AWG | EPR-HYP | LIM SWS CONT | | 0.0 | 90 C | 346 F |
| | | | 1RE06L | 09126 | #19/25 AWG | EPR-HYP | INBD ISO VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1RP13D | 0409S | #19/22 ARM | EPR-HYP | SOL FOR IA CONT | | 0.0 | 90 C | 346 F |
| | | | 1RP13P | 0409S | #19/22 ARM | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RP13Q | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RP13T | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RP16X | 0409S | #19/22 ARM | EPR-HYP | SOL-A CONT | | 0.0 | 90 C | 346 F |
| | | | 1RP30D | 02126 | #19/25 AWG | EPR-HYP | SOL CONT | | 0.0 | 90 C | 346 F |
| | | | 1SA11G | 07126 | #19/25 AWG | EPR-HYP | 1SA030 ISOL VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SA11H | 07126 | #19/25 AWG | EPR-HYP | 1SA031 ISOL VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SC02D | 12126 | #19/25 AWG | EPR-HYP | SLC SYS INS PNL CONT | | 0.0 | 90 C | 346 F |
| | | | 1SC02E | 02126 | #19/25 AWG | EPR-HYP | SPACE HTR CONT | | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit | |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|-------|
| | | ▼ | ISC02F | 04163 | 2 PR #16 | EPR-HYP | PUMP 1B CONT | | 0.0 | 90 C | 346 F | |
| | | | ISC06D | 12126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F | |
| | | | ISC06F | 04126 | #19/25 AWG | EPR-HYP | LIQ ST TNK VLV CONT | | 0.0 | 90 C | 346 F | |
| | | | IVQ22J | 09126 | #19/25 AWG | EPR-HYP | DW DMPR 1VQ004B CONT | | 0.0 | 90 C | 346 F | |
| | | | IVQ22R | 09126 | #19/25 AWG | EPR-HYP | DW DMPR 1VQ003 CONT | | 0.0 | 90 C | 346 F | |
| | | | IVQ24E | 12126 | #19/25 AWG | EPR-HYP | 1S0 VLV CONT | | 0.0 | 90 C | 346 F | |
| | | | IVR07F | 12126 | #19/25 AWG | EPR-HYP | 1FSV-VR009 CONT | | 0.0 | 90 C | 346 F | |
| | | | IVR09E | 12126 | #19/25 AWG | EPR-HYP | 1S0 VLV CONT | | 0.0 | 90 C | 346 F | |
| | | | IVR25L | 09126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | | IVR26L | 09126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | | IVR28F | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F | |
| | | | IVR28J | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | | IWO14D | 12126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F | |
| | | | IWO16D | 12126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F | |
| C-2 | | C74615 | ICM06L | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| C-2 | K2E | ▼ | 17199F | ICM67B | 03163 | #16 AWG | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | ICM88T | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | ICM88U | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | ICM94B | 03163 | #16 AWG | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | ICM94C | 03163 | #16 AWG | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | ICM94E | 03163 | #16 AWG | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | ILD43D | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | ILD43E | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | ILD43H | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| C-2 | ▼ | C71987 | 1VP73B | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VP74V | 08163 | 4 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VP97H | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VP97L | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VP97S | 08164 | 4 PR #16 | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VP97Y | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VP99B | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VP99C | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VP99H | 08163 | 4 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|---|----------------|----------------|-----------------------|------------------|
| C-2 | | house power | | | | | | | | | |
| C-2 | | house power | | | | | | | | | |
| C-2 | | house power | | | | | | | | | |
| C-2 | | house power | | | | | | | | | |
| C-2 | | house power | | | | | | | | | |
| C-2 | | house power | | | | | | | | | |
| C-2 | | house power | | | | | | | | | |
| C-2 | | C74172 | ICM94B | 03163 | #16 AWG | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| C-2 | | house power | | | | | | | | | |
| C-2 | | house power | | | | | | | | | |
| C-2 | | house power | | | | | | | | | |
| C-2 | | house power | | | | | | | | | |
| CB-1e | P2E | 10109D | 1AP29B | 03355 | 350 MCM | EPR-HYP | AUX TRANSF B1 FEED FROM 4 16 BUS 1B1 | YES | 20.4 | 90 C | 346 F |
| | | | 1AP34G | 02096 | #19/22 AWG | EPR-HYP | FEED | | 0.1 | 90 C | 346 F |
| | | | 1AP34H | 02096 | #19/22 AWG | EPR-HYP | FEED | | 0.1 | 90 C | 346 F |
| | | | 1AP34N | 04201 | #2/0 AWG | EPR-HYP | 125VDC DIST PNL TO 480V UNIT SUB B | YES | 0.7 | 90 C | 346 F |
| | | | 1AP34V | 03101 | #1/0 AWG | EPR-HYP | 125VDC TO SPARE PULLOUT 100A FUSE BOX | YES | 34.0 | 90 C | 346 F |
| | | | 1AP34W | 03101 | #1/0 AWG | EPR-HYP | 125VDC TO SPARE PULLOUT 100A FUSE BOX | YES | 36.0 | 90 C | 346 F |
| | | | 1AP37D | 03351 | 350 MCM | EPR-HYP | VARIOUS VC & VG DMPS, HTR'S & FANS | YES | 50.0 | 90 C | 346 F |
| | | | 1AP37J | 03351 | 350 MCM | EPR-HYP | VARIOUS VC & VG DMPS, HTR'S & FANS | YES | 50.0 | 90 C | 346 F |
| | | | ICM09H | 03061 | #6 AWG | EPR-HYP | FEED | | 16.0 | 90 C | 346 F |
| | | | ICM09K | 03061 | #6 AWG | EPR-HYP | FEED | | 32.0 | 90 C | 346 F |
| | | | 1DG21J | 03101 | #1/0 AWG | EPR-HYP | DC PWR TO DG1B CONT PNL 1PL12JB | YES | 0.7 | 90 C | 346 F |
| | | | 1DG24E | 03091 | #19/22 AWG | EPR-HYP | FEED | | 3.2 | 90 C | 346 F |
| | | | 1DG25B | 03091 | #19/22 AWG | EPR-HYP | ENG GAUGE PNL 2 FEED | | 3.2 | 90 C | 346 F |
| | | | 1DG26B | 03061 | #6 AWG | EPR-HYP | FEED | | 18.8 | 90 C | 346 F |
| | | | 1DG27B | 03061 | #6 AWG | EPR-HYP | ENG GAUGE PNL 2 FEED | | 18.8 | 90 C | 346 F |
| | | | 1DG28B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 2.5 | 90 C | 346 F |
| | | | 1DG29A | 03061 | #6 AWG | EPR-HYP | DG STARTING AIR SKID, 1DG06SB | YES | 27.0 | 90 C | 346 F |
| | | | 1DG30A | 03061 | #6 AWG | EPR-HYP | DG STARTING AIR SKID, 1DG06SB | YES | 27.0 | 90 C | 346 F |
| | | | 1DO02A | 03091 | #19/22 AWG | EPR-HYP | DG FUEL OIL XFER PUMP 1B, 1DO01PB | YES | 2.0 | 90 C | 346 F |
| | | | 1RD31H | 03021 | #2 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1RP02C | 04201 | #2/0 AWG | EPR-HYP | NSPS INV/STATIC BYPASS SW B, 1C71-S001B | YES | 80.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|--|----------------|----------------|-----------------------|------------------|
| | | | 1SX27A | 03091 | #19/22 AWG | EPR-HYP | MCR COOLING COIL FLOW CONT VLV, 1SX01 | YES | 1.1 | 90 C | 346 F |
| | | | 1SX31A | 03091 | #19/22 AWG | EPR-HYP | DG 1B HX OUTLET VLV, 1SX063B | YES | 1.1 | 90 C | 346 F |
| | | | 1SX40A | 03091 | #19/22 AWG | EPR-HYP | MCR COOLING COIL 1B INLET VLV, 1SX017B | YES | 0.1 | 90 C | 346 F |
| | | | 1VC25B | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 21YB, 0FZ-VC103A | YES | 0.2 | 90 C | 346 F |
| | | | 1VC25C | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 24YB, 0FZ-VC103B | YES | 0.2 | 90 C | 346 F |
| | | | 1VC25D | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 27YB, 0FZ-VC103C | YES | 0.2 | 90 C | 346 F |
| | | | 1VC26B | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 14YB MTR, 0TZ-VC135 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC26C | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 13YB MTR, 0TZ-VC134 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC26D | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 12YB MTR, 0TZ-VC133 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC27B | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 30YB, 0FZ-VC103D | YES | 0.2 | 90 C | 346 F |
| | | | 1VC27C | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 33YB, 0FZ-VC103E | YES | 0.2 | 90 C | 346 F |
| | | | 1VC27D | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 36YB, 0FZ-VC103F | YES | 0.2 | 90 C | 346 F |
| | | | 1VC28B | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 17YB MTR, 0TZ-VC138 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC28C | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 16YB MTR, 0TZ-VC137 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC28D | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 15YB MTR, 0TZ-VC136 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC28F | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 18YB MTR, 0TZ-VC139 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC35B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC35C | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC35D | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC35P | 03091 | #19/22 AWG | EPR-HYP | TRN A MIN OA DMPR 115YA, 0FZ-VC096 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC35S | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36C | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36D | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36E | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36F | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36G | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36H | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36I | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36J | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36K | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36L | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36M | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36N | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36O | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36P | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36Q | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC50B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC50C | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 01YB, 0FZ-VC114 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC51B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC51C | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC51D | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC51E | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC56B | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 39YB, 0FZ-VC103G | YES | 0.2 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|---|----------------|----------------|-----------------------|------------------|
| | | | 1VC56C | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC56D | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VD02A | 03401 | #4/0 AWG | EPR-HYP | DG RM 1B VENT FAN, 1VC01CD | YES | 14.1 | 90 C | 346 F |
| | | | 1VD05A | 03091 | #19/22 AWG | EPR-HYP | DG VENT OIL RM 1B EXH FAN, 1VD01CB | YES | 6.5 | 90 C | 346 F |
| | | | 1VD10A | 03091 | #19/22 AWG | EPR-HYP | OUTSIDE AIR DMPR 1YB MTR, 1TZ-VD002A | YES | 0.2 | 90 C | 346 F |
| | | | 1VD10B | 03091 | #19/22 AWG | EPR-HYP | RETURN AIR DMPR 2YB MTR, 1TZ-VD002B | YES | 0.2 | 90 C | 346 F |
| | | | 1VD10C | 03091 | #19/22 AWG | EPR-HYP | EXHAUST AIR DMPR 3YB MTR, 1TZ-VD002C | YES | 0.2 | 90 C | 346 F |
| | | | 1VD10D | 03091 | #19/22 AWG | EPR-HYP | ABANDONED-SPARE | YES | 0.0 | 90 C | 346 F |
| | | | 1VG38A | 03091 | #19/22 AWG | EPR-HYP | FEED | | 9.9 | 90 C | 346 F |
| | | | 1VG40A | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1VQ05A | 03091 | #19/22 AWG | EPR-HYP | FEED | | 1.7 | 90 C | 346 F |
| | | | 1VQ14A | 03091 | #19/22 AWG | EPR-HYP | FEED | | 2.4 | 90 C | 346 F |
| CB-1e | P2E | 10110D | No Cables | | | | | | | | |
| CB-1e | P2E | 10112D | No Cables | | | | | | | | |
| CB-1e | P2E | 10113D | 1AP29B | 03355 | 350 MCM | EPR-HYP | AUX TRANSF B1 FEED FROM 4.16 BUS 1B1 | YES | 20.4 | 90 C | 346 F |
| | | | 1AP34G | 02096 | #19/22 AWG | EPR-HYP | FEED | | 0.1 | 90 C | 346 F |
| | | | 1AP34H | 02096 | #19/22 AWG | EPR-HYP | FEED | | 0.1 | 90 C | 346 F |
| | | | 1AP34N | 04201 | #2/0 AWG | EPR-HYP | 125VDC DIST PNL TO 480V UNIT SUB B | YES | 0.7 | 90 C | 346 F |
| | | | 1AP34V | 03101 | #1/0 AWG | EPR-HYP | 125VDC TO SPARE PULLOUT 100A FUSE BOX | YES | 34.0 | 90 C | 346 F |
| | | | 1AP34W | 03101 | #1/0 AWG | EPR-HYP | 125VDC TO SPARE PULLOUT 100A FUSE BOX | YES | 36.0 | 90 C | 346 F |
| | | | 1AP37D | 03351 | 350 MCM | EPR-HYP | VARIOUS VC & VG DMPR'S, HTRS & FANS | YES | 50.0 | 90 C | 346 F |
| | | | 1AP37J | 03351 | 350 MCM | EPR-HYP | VARIOUS VC & VG DMPR'S, HTRS & FANS | YES | 50.0 | 90 C | 346 F |
| | | | 1CM09H | 03061 | #6 AWG | EPR-HYP | FEED | | 16.0 | 90 C | 346 F |
| | | | 1CM09K | 03061 | #6 AWG | EPR-HYP | FEED | | 32.0 | 90 C | 346 F |
| | | | 1RD31H | 03021 | #2 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1RP02C | 04201 | #2/0 AWG | EPR-HYP | NSPS INV/STATIC BYPASS SW B, 1C71-S001B | YES | 80.0 | 90 C | 346 F |
| | | | 1SX27A | 03091 | #19/22 AWG | EPR-HYP | MCR COOLING COIL FLOW CONT VLV, 1SX01 | YES | 1.1 | 90 C | 346 F |
| | | | 1SX40A | 03091 | #19/22 AWG | EPR-HYP | MCR COOLING COIL 1B INLET VLV, 1SX017B | YES | 0.1 | 90 C | 346 F |
| | | | 1SX51A | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.3 | 90 C | 346 F |
| | | | 1SX51D | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.3 | 90 C | 346 F |
| | | | 1SX51G | 03091 | #19/22 AWG | EPR-HYP | ABANDONED-SPARE | | 0.3 | 90 C | 346 F |
| | | | 1VC25B | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 21YB, 0FZ-VC103A | YES | 0.2 | 90 C | 346 F |
| | | | 1VC25C | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 24YB, 0FZ-VC103B | YES | 0.2 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|------------------------------------|----------------|----------------|-----------------------|------------------|
| | | | 1VC25D | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 27YB, 0FZ-VC103C | YES | 0.2 | 90 C | 346 F |
| | | | 1VC26B | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 14YB MTR, 0TZ-VC135 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC26C | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 13YB MTR, 0TZ-VC134 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC26D | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 12YB MTR, 0TZ-VC133 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC27B | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 30YB, 0FZ-VC103D | YES | 0.2 | 90 C | 346 F |
| | | | 1VC27C | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 33YB, 0FZ-VC103E | YES | 0.2 | 90 C | 346 F |
| | | | 1VC27D | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 36YB, 0FZ-VC103F | YES | 0.2 | 90 C | 346 F |
| | | | 1VC28B | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 17YB MTR, 0TZ-VC138 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC28C | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 16YB MTR, 0TZ-VC137 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC28D | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 15YB MTR, 0TZ-VC136 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC28F | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 18YB MTR, 0TZ-VC139 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC35B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC35C | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC35D | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC35P | 03091 | #19/22 AWG | EPR-HYP | TRN A MIN OA DMPR 115YA, 0FZ-VC096 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC35S | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36C | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36D | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36P | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC36Q | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC50B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC50C | 03091 | #19/22 AWG | EPR-HYP | TRN B DMPR 01YB, 0FZ-VC114 | YES | 0.2 | 90 C | 346 F |
| | | | 1VC51B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC51C | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC51D | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC51E | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VC56B | 03091 | #19/22 AWG | EPR-HYP | TRN B ISO DMPR 39YB, 0FZ-VC103G | YES | 0.2 | 90 C | 346 F |
| | | | 1VC56C | 03091 | #19/22 AWG | EPR-HYP | FEED | YES | 0.2 | 90 C | 346 F |
| | | | 1VC56D | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.2 | 90 C | 346 F |
| | | | 1VG38A | 03091 | #19/22 AWG | EPR-HYP | FEED | | 9.9 | 90 C | 346 F |
| | | | 1VG40A | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.0 | 90 C | 346 F |
| | | | 1VQ05A | 03091 | #19/22 AWG | EPR-HYP | FEED | | 1.7 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|----------------|-----------|------------|---------------------|--------------------------------------|----------------|----------------|-----------------------|------------------|
| | | | 1VQ14A | 03091 | #19/22 AWG | EPR-HYP | FEED | | 2.4 | 90 C | 346 F |
| CB-1e | P2E | 10114D | No Cables | | | | | | | | |
| CB-1e | P2E | 10115D | 1DG21J | 03101 | #1/0 AWG | EPR-HYP | DC PWR TO DG1B CONT PNL 1PL12JB | YES | 0.7 | 90 C | 346 F |
| | | | 1DG24B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 3.2 | 90 C | 346 F |
| | | | 1DG25B | 03091 | #19/22 AWG | EPR-HYP | ENG GAUGE PNL 2 FEED | | 3.2 | 90 C | 346 F |
| | | | 1DG26B | 03061 | #6 AWG | EPR-HYP | FEED | | 18.8 | 90 C | 346 F |
| | | | 1DG27B | 03061 | #6 AWG | EPR-HYP | ENG GAUGE PNL 2 FEED | | 18.8 | 90 C | 346 F |
| | | | 1DG28B | 03091 | #19/22 AWG | EPR-HYP | FEED | | 2.5 | 90 C | 346 F |
| | | | 1DG29A | 03061 | #6 AWG | EPR-HYP | DG STARTING AIR SKID, 1DG06SB | YES | 27.0 | 90 C | 346 F |
| | | | 1DG30A | 03061 | #6 AWG | EPR-HYP | DG STARTING AIR SKID, 1DG06SB | YES | 27.0 | 90 C | 346 F |
| | | | 1DO02A | 03091 | #19/22 AWG | EPR-HYP | DG FUEL OIL XFER PUMP 1B, 1DO01PB | YES | 14.1 | 90 C | 346 F |
| | | | 1SX31A | 03091 | #19/22 AWG | EPR-HYP | DG 1B HX OUTLET VLV, 1SX063B | YES | 1.1 | 90 C | 346 F |
| | | | 1SX51A | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.3 | 90 C | 346 F |
| | | | 1SX51D | 03091 | #19/22 AWG | EPR-HYP | FEED | | 0.3 | 90 C | 346 F |
| | | | 1SX51G | 03091 | #19/22 AWG | EPR-HYP | ABANDONED-SPARE | | 0.3 | 90 C | 346 F |
| | | | 1VD02A | 03401 | #4/0 AWG | EPR-HYP | DG RM 1B VENT FAN, 1VC01CD | YES | 14.1 | 90 C | 346 F |
| | | | 1VD05A | 03091 | #19/22 AWG | EPR-HYP | DG VENT OIL RM 1B EXH FAN, 1VD01CB | YES | 6.5 | 90 C | 346 F |
| | | | 1VD10A | 03091 | #19/22 AWG | EPR-HYP | OUTSIDE AIR DMPR 1YB MTR, 1TZ-VD002A | YES | 0.2 | 90 C | 346 F |
| | | | 1VD10B | 03091 | #19/22 AWG | EPR-HYP | RETURN AIR DMPR 2YB MTR, 1TZ-VD002B | YES | 0.2 | 90 C | 346 F |
| | | | 1VD10C | 03091 | #19/22 AWG | EPR-HYP | EXHAUST AIR DMPR 3YB MTR, 1TZ-VD002C | YES | 0.2 | 90 C | 346 F |
| | | | 1VD10D | 03091 | #19/22 AWG | EPR-HYP | ABANDONED-SPARE | YES | 0.0 | 90 C | 346 F |
| CB-1e | P2E | 10116D | SAME AS 10115D | | | | | | | | |
| CB-1e | C2E | 10109E | 1AP21K | 02163 | 1 PR #16 | EPR-HYP | MAIN FEED CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1AP21L | 02126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1AP23L | 02163 | 1 PR #16 | EPR-HYP | 1B1 RES FEED CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1AP23M | 02126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1AP29Q | 02126 | #19/25 AWG | EPR-HYP | 0C GND RLY CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1AP60B | 12126 | #19/25 AWG | EPR-HYP | MISC ALM CONT | | 0.0 | 90 C | 346 F |
| | | | 1AP60C | 03096 | #19/22 AWG | EPR-HYP | PT METERING CONT | | 0.0 | 90 C | 346 F |
| | | | 1DG21A | 15126 | #19/25 AWG | EPR-HYP | D GEN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG21B | 15126 | #19/25 AWG | EPR-HYP | D GEN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG21C | 15126 | #19/25 AWG | EPR-HYP | D GEN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG21D | 07126 | #19/25 AWG | EPR-HYP | D GEN 1B CONT | YES | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | 1DG21F | 04096 | #19/22 AWG | EPR-HYP | DG 1B CONT PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG21K | 07126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG21M | 07126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG24A | 09126 | #19/25 AWG | EPR-HYP | L0 CIRC PUMP CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG25A | 09126 | #19/25 AWG | EPR-HYP | L0 CIRC PUMP CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG26A | 07126 | #19/25 AWG | EPR-HYP | 1DG01KB WTR HTR CONT | | 0.0 | 90 C | 346 F |
| | | | 1DG27A | 07126 | #19/25 AWG | EPR-HYP | WATER HTR H1A CONT | | 0.0 | 90 C | 346 F |
| | | | 1DG28A | 07126 | #19/25 AWG | EPR-HYP | GEN HTR H3 CONT | | 0.0 | 90 C | 346 F |
| | | | 1DG29B | 07126 | #19/25 AWG | EPR-HYP | DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG30B | 07126 | #19/25 AWG | EPR-HYP | DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31C | 04096 | #19/22 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31D | 04096 | #19/22 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31E | 03096 | #19/22 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31F | 03096 | #19/22 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31R | 02163 | 1 PR #16 | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31S | 07126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31T | 07126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1HG11H | 03126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1HG11J | 03126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1HG11K | 03126 | #19/25 AWG | EPR-HYP | H2 RCOMBR CONT | | 0.0 | 90 C | 346 F |
| | | | 1IP04A | 02096 | #19/22 AWG | EPR-HYP | FEED | YES | 0.0 | 90 C | 346 F |
| | | | 1IP04B | 02096 | #19/22 AWG | EPR-HYP | FEED | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14A | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | | 0.0 | 90 C | 346 F |
| | | | 1LV14B | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14C | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | | 0.0 | 90 C | 346 F |
| | | | 1LV14D | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14E | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14F | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14G | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14H | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14J | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14K | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14L | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | 1LV14M | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14P | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RA01F | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RP35B | 02096 | #19/22 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SC08G | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX27B | 02126 | #19/25 AWG | EPR-HYP | LIM SW CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX31B | 09126 | #19/25 AWG | EPR-HYP | LIM SW CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX40B | 09126 | #19/25 AWG | EPR-HYP | LIM SW CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX51C | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51F | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51J | 09126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SX51M | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51Q | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51T | 09126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SX52C | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX52F | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX52J | 09126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SX54L | 09126 | #19/25 AWG | EPR-HYP | SX MISC VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX54P | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX66A | 02126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1VC02C | 12126 | #19/25 AWG | EPR-HYP | SUP AIR FAN B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC04C | 12126 | #19/25 AWG | EPR-HYP | RET AIR FAN B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC06B | 12126 | #19/25 AWG | EPR-HYP | MUAT FAN B CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC08B | 12126 | #19/25 AWG | EPR-HYP | CHILLED WP B CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC12C | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC14B | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC25G | 09126 | #19/25 AWG | EPR-HYP | DMPR OPRS CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC25O | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC25P | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC25Q | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC26E | 09126 | #19/25 AWG | EPR-HYP | MODULATING DMPR CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC27G | 09126 | #19/25 AWG | EPR-HYP | DMPR OPRS CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC27O | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | 1VC27P | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC27Q | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC27R | 02096 | #19/22 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC28E | 09126 | #19/25 AWG | EPR-HYP | MODULATING DMPR CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC35G | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC35T | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC35U | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC35W | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC36G | 15126 | #19/25 AWG | EPR-HYP | DMPK C/RS CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC36R | 15126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC36S | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC40A | 02126 | #19/25 AWG | EPR-HYP | RADIATION DET CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC40E | 07126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1VC40L | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC45A | 15126 | #19/25 AWG | EPR-HYP | TC/PE/INSTR PS CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC45B | 15126 | #19/25 AWG | EPR-HYP | TC/PE/INSTR PS CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC45C | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC45D | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC45E | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC45F | 09126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC45G | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC45H | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC46B | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC46C | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC46D | 12126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC46E | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC46F | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC46G | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC47C | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC50D | 12126 | #19/25 AWG | EPR-HYP | RETURN DAMPERS CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC50K | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC50L | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC50M | 02096 | #19/22 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | IVC51F | 12126 | #19/25 AWG | EPR-HYP | DAMPER PNL CONT | | 0.0 | 90 C | 346 F |
| | | | IVC51T | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC51U | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC51V | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC51W | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC56E | 12126 | #19/25 AWG | EPR-HYP | ISOL DAMPERS CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC56N | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC56O | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC56P | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC66A | 24164 | 12 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC68A | 16163 | 8 PR #16 | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC68B | 16163 | 8 PR #16 | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC70A | 24164 | 12 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC70D | 04163 | 2 PR #16 | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC70E | 24164 | 12 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | IVD02D | 07126 | #19/25 AWG | EPR-HYP | LOC PNL CONT | | 0.0 | 90 C | 346 F |
| | | | IVD02E | 09126 | #19/25 AWG | EPR-HYP | DGR 1B S&E FANS CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVD05E | 07126 | #19/25 AWG | EPR-HYP | EXHAUST FAN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVD10J | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVD10K | 04126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | YES | 0.0 | 90 C | 346 F |
| | | | IVD18C | 02126 | #19/25 AWG | EPR-HYP | PNL 1PL54JB CONT | | 0.0 | 90 C | 346 F |
| | | | IVF07J | 09126 | #19/25 AWG | EPR-HYP | ISOL DMPRS CONT | | 0.0 | 90 C | 346 F |
| | | | IVF13G | 04126 | #19/25 AWG | EPR-HYP | LOC PNL 1PL44J CONT | | 0.0 | 90 C | 346 F |
| | | | IVF86A | 04164 | 2 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG32G | 02126 | #19/25 AWG | EPR-HYP | 0PL39JB CONT | | 0.0 | 90 C | 346 F |
| | | | IVG32M | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG38B | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG38E | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG38F | 09126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG40B | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG95C | 04164 | 2 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | IVP20L | 02096 | #19/22 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVQ05B | 15126 | #19/25 AWG | EPR-HYP | DW PRG EXH FAN CONT | | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|----------------|-----------|------------|---------------------|---------------------|----------------|----------------|-----------------------|------------------|
| | | | 1VQ08L | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VQ08M | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VQ14B | 12126 | #19/25 AWG | EPR-HYP | DW LPE HTR B CONT | | 0.0 | 90 C | 346 F |
| | | | 1VR05Q | 04126 | #19/25 AWG | EPR-HYP | NOT IN SERVICE | | 0.0 | 90 C | 346 F |
| | | | 1VR05V | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VR18C | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VX25C | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VX28F | 12126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VX28K | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VX28N | 02126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VX28P | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| CB-1e | C2E | 10110E | SAME AS 10109E | | | | | | | | |
| CB-1e | C2E | 10112E | SAME AS 10109E | | | | | | | | |
| CB-1e | C2E | 10113E | 1AP29Q | 02126 | #19/25 AWG | EPR-HYP | 0C GND RLY CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1AP60B | 12126 | #19/25 AWG | EPR-HYP | MISC ALM CONT | | 0.0 | 90 C | 346 F |
| | | | 1AP60C | 03096 | #19/22 AWG | EPR-HYP | PT METERING CONT | | 0.0 | 90 C | 346 F |
| | | | 1HG11H | 03126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1HG11J | 03126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1HG11K | 03126 | #19/25 AWG | EPR-HYP | H2 RCOMBR CONT | | 0.0 | 90 C | 346 F |
| | | | 1IP04A | 02096 | #19/22 AWG | EPR-HYP | FEED | YES | 0.0 | 90 C | 346 F |
| | | | 1IP04B | 02096 | #19/22 AWG | EPR-HYP | FEED | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14A | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | | 0.0 | 90 C | 346 F |
| | | | 1LV14B | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14C | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | | 0.0 | 90 C | 346 F |
| | | | 1LV14D | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14E | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14F | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14G | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14H | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14J | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14K | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14L | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1LV14M | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | 1LV14P | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RA01F | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RP35B | 02096 | #19/22 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SC08G | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX27B | 02126 | #19/25 AWG | EPR-HYP | LIM SW CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX40B | 09126 | #19/25 AWG | EPR-HYP | LIM SW CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX51B | 12126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51C | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51E | 12126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51F | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51H | 12126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SX51J | 09126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SX51M | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51Q | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51T | 09126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SX52C | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX52F | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX52J | 09126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SX54L | 09126 | #19/25 AWG | EPR-HYP | SX MISC VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX54P | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC02C | 12126 | #19/25 AWG | EPR-HYP | SUP AIR FAN B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC04C | 12126 | #19/25 AWG | EPR-HYP | RET AIR FAN B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC06B | 12126 | #19/25 AWG | EPR-HYP | MUAT FAN B CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC08B | 12126 | #19/25 AWG | EPR-HYP | CHILLED WP B CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC12C | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC14B | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC25G | 09126 | #19/25 AWG | EPR-HYP | DMPR OPRS CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC25O | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC25P | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC25Q | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC26E | 09126 | #19/25 AWG | EPR-HYP | MODULATING DMPR CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC27G | 09126 | #19/25 AWG | EPR-HYP | DMPR OPRS CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC27O | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | IVC27P | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC27Q | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC27R | 02096 | #19/22 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC28E | 09126 | #19/25 AWG | EPR-HYP | MODULATING DMPR CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC35G | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC35T | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC35U | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC35W | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC36G | 15126 | #19/25 AWG | EPR-HYP | DMPR OPRS CONT | | 0.0 | 90 C | 346 F |
| | | | IVC36R | 15126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC36S | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC40A | 02126 | #19/25 AWG | EPR-HYP | RADIATION DET CONT | | 0.0 | 90 C | 346 F |
| | | | IVC40E | 07126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | IVC40L | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC45A | 15126 | #19/25 AWG | EPR-HYP | TC/PE/INSTR PS CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC45B | 15126 | #19/25 AWG | EPR-HYP | TC/PE/INSTR PS CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC45C | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | IVC45D | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | IVC45E | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | IVC45F | 09126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC45G | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | IVC45H | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC46B | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | IVC46C | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | IVC46D | 12126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | IVC46E | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC46F | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC46G | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC47C | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC50D | 12126 | #19/25 AWG | EPR-HYP | RETURN DAMPERS CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC50K | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC50L | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC50M | 02096 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|---------------------|----------------|----------------|-----------------------|------------------|
| | | | 1VC51F | 12126 | #19/25 AWG | EPR-HYP | DAMPER PNL CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC51T | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC51U | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC51V | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC51W | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC56E | 12126 | #19/25 AWG | EPR-HYP | ISOL DAMPERS CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC56N | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC56O | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC56P | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC66A | 24164 | 12 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC68A | 16163 | 8 PR #16 | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC68B | 16163 | 8 PR #16 | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC70A | 24164 | 12 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC70D | 04163 | 2 PR #16 | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC70E | 24164 | 12 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VD18D | 02096 | #19/22 AWG | EPR-HYP | PNL IPL54JB CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VF07J | 09126 | #19/25 AWG | EPR-HYP | ISOL DMPRS CONT | | 0.0 | 90 C | 346 F |
| | | | 1VF13G | 04126 | #19/25 AWG | EPR-HYP | L0C PNL IPL44J CONT | | 0.0 | 90 C | 346 F |
| | | | 1VF86A | 04164 | 2 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG32G | 02126 | #19/25 AWG | EPR-HYP | 0PL39JB CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG32M | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG38B | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG38E | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG38F | 09126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG40B | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VG95C | 04164 | 2 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VP20L | 02096 | #19/22 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VQ05B | 15126 | #19/25 AWG | EPR-HYP | DW PRG EXH FAN CONT | | 0.0 | 90 C | 346 F |
| | | | 1VQ14B | 12126 | #19/25 AWG | EPR-HYP | DW LPE HTR B CONT | | 0.0 | 90 C | 346 F |
| | | | 1VR05Q | 04126 | #19/25 AWG | EPR-HYP | NOT IN SERVICE | | 0.0 | 90 C | 346 F |
| | | | 1VR05V | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VR18C | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VX25C | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|----------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | ▼ | IVX28F | 12126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVX28K | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVX28N | 02126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVX28P | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| CB-1e | C2E | 10114E | SAME AS 10109E | | | | | | | | |
| CB-1e | C2E | 10115E | 1AP21K | 02163 | 1 PR #16 | EPR-HYP | MAIN FEED CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1AP21L | 02126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1AP23L | 02163 | 1 PR #16 | EPR-HYP | 1B1 RES FEED CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1AP23M | 02126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG21A | 15126 | #19/25 AWG | EPR-HYP | D GEN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG21B | 15126 | #19/25 AWG | EPR-HYP | D GEN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG21C | 15126 | #19/25 AWG | EPR-HYP | D GEN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG21D | 07126 | #19/25 AWG | EPR-HYP | D GEN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG21F | 04096 | #19/22 AWG | EPR-HYP | DG 1B CONT PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG21K | 07126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG21M | 07126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG24A | 09126 | #19/25 AWG | EPR-HYP | L0 CIRC PUMP CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG25A | 09126 | #19/25 AWG | EPR-HYP | L0 CIRC PUMP CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG26A | 07126 | #19/25 AWG | EPR-HYP | 1DG01KB WTR HTR CONT | | 0.0 | 90 C | 346 F |
| | | | 1DG27A | 07126 | #19/25 AWG | EPR-HYP | WATER HTR H1A CONT | | 0.0 | 90 C | 346 F |
| | | | 1DG28A | 07126 | #19/25 AWG | EPR-HYP | GEN HTR H3 CONT | | 0.0 | 90 C | 346 F |
| | | | 1DG29B | 07126 | #19/25 AWG | EPR-HYP | DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG30B | 07126 | #19/25 AWG | EPR-HYP | DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31C | 04096 | #19/22 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31D | 04096 | #19/22 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31E | 03096 | #19/22 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31F | 03096 | #19/22 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31R | 02163 | 1 PR #16 | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31S | 07126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31T | 07126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX31B | 09126 | #19/25 AWG | EPR-HYP | LIM SW CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX51B | 12126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51E | 12126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|---------------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | 1SX51H | 12126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SX66A | 02126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1VD02D | 07126 | #19/25 AWG | EPR-HYP | LOC PNL CONT | | 0.0 | 90 C | 346 F |
| | | | 1VD02E | 09126 | #19/25 AWG | EPR-HYP | DGR 1B S&E FANS CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VD05E | 07126 | #19/25 AWG | EPR-HYP | EXHAUST FAN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VD10J | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VD10K | 04126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | YES | 0.0 | 90 C | 346 F |
| | | | 1VD18C | 02126 | #19/25 AWG | EPR-HYP | PNL 1PL54JB CONT | | 0.0 | 90 C | 346 F |
| | | | 1VD18D | 02096 | #19/22 AWG | EPR-HYP | PNL 1PL54JB CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VQ08L | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VQ08M | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| CB-1e | C2E | 10116E | SAME AS 10115E PLUS | | | | | | | | |
| | | | 1DG21L | 07126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| CB-1e | C2E | 10120E | 1DG21D | 07126 | #19/25 AWG | EPR-HYP | D GEN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG24A | 09126 | #19/25 AWG | EPR-HYP | L0 CIRC PUMP CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG25A | 09126 | #19/25 AWG | EPR-HYP | L0 CIRC PUMP CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG26A | 07126 | #19/25 AWG | EPR-HYP | 1DG01KB WTR HTR CONT | | 0.0 | 90 C | 346 F |
| | | | 1DG27A | 07126 | #19/25 AWG | EPR-HYP | WATER HTR H1A CONT | | 0.0 | 90 C | 346 F |
| | | | 1DG28A | 07126 | #19/25 AWG | EPR-HYP | GEN HTR H3 CONT | | 0.0 | 90 C | 346 F |
| | | | 1DG29B | 07126 | #19/25 AWG | EPR-HYP | DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG30B | 07126 | #19/25 AWG | EPR-HYP | DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DG31K | 04126 | #19/25 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1DO02B | 09126 | #19/25 AWG | EPR-HYP | DGFOT PUMP 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1D002C | 12126 | #19/25 AWG | EPR-HYP | DGFOT PUMP 1B CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX27B | 02126 | #19/25 AWG | EPR-HYP | LIM SW CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX29B | 09126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX29C | 09126 | #19/25 AWG | EPR-HYP | DW CHILLER VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX31B | 09126 | #19/25 AWG | EPR-HYP | LIM SW CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX31C | 09126 | #19/25 AWG | EPR-HYP | DG 1B OUTL VLV CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX40B | 09126 | #19/25 AWG | EPR-HYP | LIM SW CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX40C | 09126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX54C | 09126 | #19/25 AWG | EPR-HYP | VLV TST & ALM CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC25G | 09126 | #19/25 AWG | EPR-HYP | DMPR OPRS CONT | YES | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | 1VC25O | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC25P | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC25Q | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC26E | 09126 | #19/25 AWG | EPR-HYP | MODULATING DMPR CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC27G | 09126 | #19/25 AWG | EPR-HYP | DMPR OPRS CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC27O | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC27P | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC27Q | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC27R | 02096 | #19/22 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC28E | 09126 | #19/25 AWG | EPR-HYP | MODULATING DMPR CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC35G | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC35T | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC35U | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC35W | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC36G | 15126 | #19/25 AWG | EPR-HYP | DMPR OPRS CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC36R | 15126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC36S | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC50D | 12126 | #19/25 AWG | EPR-HYP | RETURN DAMPERS CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC50K | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC50L | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC50M | 02096 | #19/22 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC51F | 12126 | #19/25 AWG | EPR-HYP | DAMPER PNL CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC51T | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC51U | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC51V | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC51W | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC56E | 12126 | #19/25 AWG | EPR-HYP | ISOL DAMPERS CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC56N | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC56O | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VC56P | 04126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VD02F | 04126 | #19/25 AWG | EPR-HYP | D G IB PANEL CONT | | 0.0 | 90 C | 346 F |
| | | | 1VD05B | 12126 | #19/25 AWG | EPR-HYP | D G EXH FAN IB CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1VD05C | 07126 | #19/25 AWG | EPR-HYP | D G EXH FAN IB CONT | | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit | |
|----------|---------|-------------------|----------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|-------|
| | | ▼ | 1VD05E | 07126 | #19/25 AWG | EPR-HYP | EXHAUST FAN 1B CONT | YES | 0.0 | 90 C | 346 F | |
| | | | 1VQ08E | 12126 | #19/25 AWG | EPR-HYP | DW PURGE D14PRS CONT | | 0.0 | 90 C | 346 F | |
| | | | 1VQ08H | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | | 1VQ08L | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| | | | 1VQ08M | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F | |
| CB-1e | K2E | 10109F | 1DG80A | 04163 | 2 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1DO78A | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F | |
| | | | 1DO78B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F | |
| | | | 1VC83D | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC83F | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC83G | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC86B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC86C | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC87B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC91Q | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | YES | 0.0 | 90 C | 346 F |
| | | | 1VC91R | 02163 | 1 PR #16 | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F | |
| | | | 1VC93D | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC94B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC94E | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC95F | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | YES | 0.0 | 90 C | 346 F |
| 1VD10P | 02164 | 1 PR #16 | TEFZEL | SIGNAL | | YES | 0.0 | 90 C | 346 F | | | |
| CB-1e | K2E | 10110F | SAME AS 10109F | | | | | | | | | |
| CB-1e | K2E | 10112F | SAME AS 10109F | | | | | | | | | |
| CB-1e | K2E | 10113F | 1VC83D | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC83F | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC83G | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC86B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC86C | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC87B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| | | | 1VC91Q | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | YES | 0.0 | 90 C | 346 F |
| | | | 1VC91R | 02163 | 1 PR #16 | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F | |
| | | | 1VC93D | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | |
| 1VC94B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F | | | | |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|---------------------|-----------|------------|---------------------|-----------------|----------------|----------------|-----------------------|------------------|
| | | ▼ | 1VC94E | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | 1VC95F | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| CB-1e | K2E | 10114F | 1DG80A | 04163 | 2 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | 1DO78A | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | ▼ | 1DO78B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | 1VD10P | 02164 | 1 PR #16 | TEFZEL | SIGNAL | YES | 0.0 | 90 C | 346 F |
| CB-1e | K2E | 10115F | SAME AS 10114F | | | | | | | | |
| CB-1e | | C03119 | 1DG80A | 04163 | 2 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| CB-1e | K2E | 10116F | 1DG76A | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | 1DG76B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | 1DO78A | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | ▼ | 1DO78B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | 1VD10P | 02164 | 1 PR #16 | TEFZEL | SIGNAL | YES | 0.0 | 90 C | 346 F |
| CB-1f | P2E | 10R60 | SAME AS 10113D | | | | | | | | |
| CB-1f | C2E | 10R61 | SAME AS 10113D PLUS | | | | | | | | |
| | | ▼ | 1VC57S | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1VC57T | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| CB-1f | K2E | 10R62 | 1VC83D | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | 1VC83F | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | 1VC83G | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | 1VC86B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | 1VC86C | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | 1VC87B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | 1VC91A | 03163 | #16 AWG | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | 1VC91E | 03163 | #16 AWG | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | 1VC91G | 03163 | #16 AWG | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | 1VC91J | 03163 | #16 AWG | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | 1VC91L | 03163 | #16 AWG | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | 1VC91N | 03164 | #16 AWG | TEFZEL | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | 1VC91Q | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | 1VC91R | 02163 | 1 PR #16 | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1VC93D | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | 1VC94B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|---------------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | IVC94E | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | IVC95D | 04163 | 2 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | IVC95E | 04163 | 2 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | IVC95F | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| CB-1f | C2E | 10R51 | SAME AS 10199E PLUS | | | | | | | | |
| | | | ISX66A | 02126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| CB-1f | C2E | 10200E | SAME AS 10199E | | | | | | | | |
| CB-1f | C2E | 10199E | IAP21K | 02163 | 1 PR #16 | EPR-HYP | MAIN FEED CONT | YES | 0.0 | 90 C | 346 F |
| | | | IAP21L | 02126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IAP23L | 02163 | 1 PR #16 | EPR-HYP | 1B1 RES FEED CONT | YES | 0.0 | 90 C | 346 F |
| | | | IAP23M | 02126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IAP29Q | 02126 | #19/25 AWG | EPR-HYP | 0C GND RLY CONT | YES | 0.0 | 90 C | 346 F |
| | | | IAP60B | 12126 | #19/25 AWG | EPR-HYP | MISC ALM CONT | | 0.0 | 90 C | 346 F |
| | | | IAP60C | 03096 | #19/22 AWG | EPR-HYP | PT METERING CONT | | 0.0 | 90 C | 346 F |
| | | | ICM07L | 02096 | #19/22 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | ICZ02B | 02096 | #19/22 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IDG21A | 15126 | #19/25 AWG | EPR-HYP | D GEN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDG21B | 15126 | #19/25 AWG | EPR-HYP | D GEN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDG21C | 15126 | #19/25 AWG | EPR-HYP | D GEN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDG21F | 04096 | #19/22 AWG | EPR-HYP | DG 1B CONT PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDG21K | 07126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDG21M | 07126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDG31C | 04096 | #19/22 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDG31D | 04096 | #19/22 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDG31E | 03096 | #19/22 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDG31F | 03096 | #19/22 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDG31K | 04126 | #19/25 AWG | EPR-HYP | 252 DG 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDG31R | 02163 | 1 PR #16 | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDG31S | 07126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDG31T | 07126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDO02B | 09126 | #19/25 AWG | EPR-HYP | DGFOT PUMP 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IDO02C | 12126 | #19/25 AWG | EPR-HYP | DGFOT PUMP 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IHG11E | 12126 | #19/25 AWG | EPR-HYP | H2 RECOMBINER 2 CONT | | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | IHG11F | 12126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | IHG11L | 03126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1P04A | 02096 | #19/22 AWG | EPR-HYP | FEED | YES | 0.0 | 90 C | 346 F |
| | | | 1P04B | 02096 | #19/22 AWG | EPR-HYP | FEED | YES | 0.0 | 90 C | 346 F |
| | | | ILD08J | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | ILV14A | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | | 0.0 | 90 C | 346 F |
| | | | ILV14B | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | ILV14C | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | | 0.0 | 90 C | 346 F |
| | | | ILV14D | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | ILV14E | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | ILV14F | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | ILV14G | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | ILV14H | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | ILV14J | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | ILV14K | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | ILV14L | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | ILV14M | 02096 | #19/22 AWG | EPR-HYP | 120V DISTR PNL CONT | YES | 0.0 | 90 C | 346 F |
| | | | ILV14P | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1PS10N | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1PS10P | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1PS10S | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1PS10T | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RA01F | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1RH04J | 07126 | #19/25 AWG | EPR-HYP | RHR PWR FEEDS CONT | | 0.0 | 90 C | 346 F |
| | | | 1RH34D | 03126 | #19/25 AWG | EPR-HYP | POT CONT | | 0.0 | 90 C | 346 F |
| | | | 1RH57D | 07126 | #19/25 AWG | EPR-HYP | SOL CONT | | 0.0 | 90 C | 346 F |
| | | | 1RH65A | 02126 | #19/25 AWG | EPR-HYP | SOL CONT | | 0.0 | 90 C | 346 F |
| | | | 1RI19C | 12126 | #19/25 AWG | EPR-HYP | STM IB ISOL VLV CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1RP35B | 02096 | #19/22 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SC02G | 15126 | #19/25 AWG | EPR-HYP | 1H13-P702A | | 0.0 | 90 C | 346 F |
| | | | 1SC08G | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | 1SF07A | 07126 | #19/25 AWG | EPR-HYP | SF-SL-1/1-VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX29B | 09126 | #19/25 AWG | EPR-HYP | LIM SW CONT | | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | 1SX29C | 09126 | #19/25 AWG | EPR-HYP | DW CHILLER VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX31C | 09126 | #19/25 AWG | EPR-HYP | DG 1B OUTL VLV CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX40C | 09126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | 1SX51C | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51F | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51J | 09126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SX51M | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51C | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX51I | 09126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SX52C | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX52F | 09126 | #19/25 AWG | EPR-HYP | SBGT DELUGE VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX52J | 09126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | 1SX54C | 09126 | #19/25 AWG | EPR-HYP | VLV TST & ALM CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX54L | 09126 | #19/25 AWG | EPR-HYP | SX MISC VLV CONT | | 0.0 | 90 C | 346 F |
| | | | 1SX54P | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC02C | 12126 | #19/25 AWG | EPR-HYP | SUP AIR FAN B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC04C | 12126 | #19/25 AWG | EPR-HYP | RET AIR FAN B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC06B | 12126 | #19/25 AWG | EPR-HYP | MUAT FAN B CONT | | 0.0 | 90 C | 346 F |
| | | | IVC08B | 12126 | #19/25 AWG | EPR-HYP | CHILLED WP B CONT | | 0.0 | 90 C | 346 F |
| | | | IVC12C | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC14B | 15126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC40A | 02126 | #19/25 AWG | EPR-HYP | RADIATION DET CONT | | 0.0 | 90 C | 346 F |
| | | | IVC40E | 07126 | #19/25 AWG | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | IVC40L | 07126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC45A | 15126 | #19/25 AWG | EPR-HYP | TC/PE/INSTR PS CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC45B | 15126 | #19/25 AWG | EPR-HYP | TC/PE/INSTR PS CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC45C | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | IVC45D | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | IVC45E | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | IVC45F | 09126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC45G | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | IVC45H | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC46B | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | IVC46C | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | IVC46D | 12126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | | 0.0 | 90 C | 346 F |
| | | | IVC46E | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC46F | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC46G | 15126 | #19/25 AWG | EPR-HYP | TC/G X/PLT ELEC CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVC47C | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC66A | 24164 | 12 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC68A | 16163 | 8 PR #16 | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC68B | 16163 | 8 PR #16 | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC70A | 24164 | 12 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC70D | 04163 | 2 PR #16 | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVC70E | 24164 | 12 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | IVD02D | 07126 | #19/25 AWG | EPR-HYP | LOC PNL CONT | | 0.0 | 90 C | 346 F |
| | | | IVD02E | 09126 | #19/25 AWG | EPR-HYP | DGR 1B S&E FANS CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVD02F | 04126 | #19/25 AWG | EPR-HYP | D G 1B PANEL CONT | | 0.0 | 90 C | 346 F |
| | | | IVD05B | 12126 | #19/25 AWG | EPR-HYP | D G EXH FAN 1B CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVD05C | 07126 | #19/25 AWG | EPR-HYP | D G EXH FAN 1B CONT | | 0.0 | 90 C | 346 F |
| | | | IVD18C | 02126 | #19/25 AWG | EPR-HYP | PNL 1PL54JB CONT | | 0.0 | 90 C | 346 F |
| | | | IVF07J | 09126 | #19/25 AWG | EPR-HYP | ISOL DMPRS CONT | | 0.0 | 90 C | 346 F |
| | | | IVF13G | 04126 | #19/25 AWG | EPR-HYP | LOC PNL 1PL44J CONT | | 0.0 | 90 C | 346 F |
| | | | IVF86A | 04164 | 2 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG02B | 15126 | #19/25 AWG | EPR-HYP | SGTSET EF B CONT | | 0.0 | 90 C | 346 F |
| | | | IVG02C | 07126 | #19/25 AWG | EPR-HYP | SGTSET EF B CONT | | 0.0 | 90 C | 346 F |
| | | | IVG04B | 09126 | #19/25 AWG | EPR-HYP | SGTSET CF B CONT | | 0.0 | 90 C | 346 F |
| | | | IVG04C | 12126 | #19/25 AWG | EPR-HYP | SGTSET CF B CONT | | 0.0 | 90 C | 346 F |
| | | | IVG06B | 15126 | #19/25 AWG | EPR-HYP | SGTSET EH B CONT | | 0.0 | 90 C | 346 F |
| | | | IVG08C | 09126 | #19/25 AWG | EPR-HYP | SGTSET B MID CONT | | 0.0 | 90 C | 346 F |
| | | | IVG08G | 09126 | #19/25 AWG | EPR-HYP | SGTSET B MID CONT | | 0.0 | 90 C | 346 F |
| | | | IVG12F | 12126 | #19/25 AWG | EPR-HYP | SGTSET B DID CONT | | 0.0 | 90 C | 346 F |
| | | | IVG18C | 12126 | #19/25 AWG | EPR-HYP | SGTSET B EFDD CONT | | 0.0 | 90 C | 346 F |
| | | | IVG20F | 12126 | #19/25 AWG | EPR-HYP | INLT DMPR CONT | | 0.0 | 90 C | 346 F |
| | | | IVG26F | 12126 | #19/25 AWG | EPR-HYP | SGTSET B DMPR CONT | | 0.0 | 90 C | 346 F |
| | | | IVG32G | 02126 | #19/25 AWG | EPR-HYP | 0PL39JB CONT | | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|----------------------|----------------|----------------|-----------------------|------------------|
| | | | IVG32H | 15126 | #19/25 AWG | EPR-HYP | 0PL39JB CONT | | 0.0 | 90 C | 346 F |
| | | | IVG32J | 12126 | #19/25 AWG | EPR-HYP | 0PL39JB CONT | | 0.0 | 90 C | 346 F |
| | | | IVG38C | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG40C | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG91B | 08163 | 4 PR #16 | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG92B | 16163 | 8 PR #16 | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG93B | 04163 | 2 PR #16 | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG93C | 04164 | 2 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG95C | 04164 | 2 PR #16 | TEFZEL | CONT | | 0.0 | 90 C | 346 F |
| | | | IVG95E | 04163 | 2 PR #16 | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVQ05B | 15126 | #19/25 AWG | EPR-HYP | DW PRG EXH FAN CONT | | 0.0 | 90 C | 346 F |
| | | | IVQ08E | 12126 | #19/25 AWG | EPR-HYP | DW PURGE DMPRS CONT | | 0.0 | 90 C | 346 F |
| | | | IVQ14B | 12126 | #19/25 AWG | EPR-HYP | DW LPE HTR B CONT | | 0.0 | 90 C | 346 F |
| | | | IVR05Q | 04126 | #19/25 AWG | EPR-HYP | NOT IN SERVICE | | 0.0 | 90 C | 346 F |
| | | | IVR05V | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVR18C | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVX25C | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVX28F | 12126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVX28K | 12126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVX28N | 02126 | #19/25 AWG | EPR-HYP | CONT | YES | 0.0 | 90 C | 346 F |
| | | | IVX28P | 02126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| | | | IVY05D | 07126 | #19/25 AWG | EPR-HYP | RHR HT EXCH FAN CONT | | 0.0 | 90 C | 346 F |
| | | | IVY06F | 07126 | #19/25 AWG | EPR-HYP | RHR PMP RM FAN CONT | | 0.0 | 90 C | 346 F |
| | | | IVY07F | 07126 | #19/25 AWG | EPR-HYP | RHR PMP RM FAN CONT | | 0.0 | 90 C | 346 F |
| | | | IVY11A | 02126 | #19/25 AWG | EPR-HYP | L9C PNL 1PL61JC CONT | | 0.0 | 90 C | 346 F |
| | | | IVY13C | 04126 | #19/25 AWG | EPR-HYP | CONT | | 0.0 | 90 C | 346 F |
| CB-1f | C2E | 10R138 | SAME AS | 10199E | | | | | | | |
| CB-1f | K2E | 10R50 | SAME AS | 10199F | | | | | | | |
| CB-1f | K2E | 10200F | SAME AS | 10199F | | | | | | | |
| CB-1f | K2E | 10199F | 1DG80A | 04163 | 2 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | 1DO78A | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | 1DO78B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | 1LD26E | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |

| Firezone | Raceway | Cable Route Point | Cable Number | Type Code | Cable Size | Insulation Material | Cable Function | Safe Shutdown? | Full Load Amps | Cable Operating Temp. | Max. Temp. Limit |
|----------|---------|-------------------|--------------|-----------|------------|---------------------|-----------------|----------------|----------------|-----------------------|------------------|
| | | | ILD26F | 02166 | 1PR#16 CRC | EPR-HYP | | YES | 0.0 | 90 C | 346 F |
| | | | ILD26G | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | ILD28A | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | ILD28B | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | ILD28C | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | ILD28D | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | ILD44D | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | ILD44E | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | ILD44F | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | ILD45D | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | ILD45E | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | ILD45F | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | ILD61D | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | ILD61E | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | ILD61F | 02166 | 1PR#16 CRC | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | IVC83D | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | IVC83F | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | IVC83G | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | IVC86B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | IVC86C | 03164 | #16 AWG | TEFZEL | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | IVC87B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | IVC91Q | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | IVC91R | 02163 | 1 PR #16 | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | IVC93D | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | IVC94B | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | IVC94E | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | IVC95F | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | YES | 0.0 | 90 C | 346 F |
| | | | IVG77A | 02163 | 1 PR #16 | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | IVG81A | 02163 | 1 PR #16 | EPR-HYP | VIA CTB | | 0.0 | 90 C | 346 F |
| | | | IVG82A | 02163 | 1 PR #16 | EPR-HYP | VIA CTA | | 0.0 | 90 C | 346 F |
| | | | IVG85A | 02163 | 1 PR #16 | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |
| | | | IVG85B | 03163 | #16 AWG | EPR-HYP | SIGNAL | | 0.0 | 90 C | 346 F |
| | | | IVG86A | 02163 | 1 PR #16 | EPR-HYP | ABANDONED-SPARE | | 0.0 | 90 C | 346 F |

Probabilistic Risk Assessment (PRA) Methodology

Because the fire PRA is not complete, the evaluation performed is conservative.

The fire PRA has three major steps for each fire zone. They are:

- 1) To identify the frequency of fire ignition in the zone, based on the components and transients in the zone.
- 2) Assuming that a fire does occur in a zone, to determine the conditional probability of core damage based on the following two very conservative assumptions:
 - a) The probability of a fire occurring in each area of concern is 1.0.
 - b) The fire destroys all the cables and components in the area of concern.
- 3) For those areas which cannot be shown to be unimportant contributors to core damage risk based on steps 1 and 2, to determine the likely extent of damage to components from postulated fires based on fire loading, suppression, fire brigade actions, etc.

At this point, steps 1 and 2 have been completed for all zones. This Thermo-Lag analysis is based on steps 1 and 2. It is expected that the impact in some areas will be less when step 3 is included.