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| --- | --- | --- | --- | --- | --- | --- |
| **A. Design Dwelling Unit Water Heater System Information**  This table reports the water heating system(s) features specified on the registered CF1R compliance document for this project. | | | | | | |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 |
| Water Heating System ID  or Name | Modeled Equipment  Make and Model | # of Water Heaters in System | Tank Location | Exterior Tank Insulation  R-value | Dwelling Unit DHW System Distribution Type | Compact Distrib. |
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| **B. Installed Dwelling Unit Water Heater System Information**  This table reports the water heating system features installed in this project. | | | | | | | | | | | | | | | |
| 01 | 02 | | | | 03 | | 04 | | 05 | | 06 | | | 07 | |
| Water Heating System ID  or Name | Modeled Equipment  Make and Model | | | | # of Water Heaters in System | | Tank Location | | Exterior Tank Insulation R-value | | Dwelling Unit DHW System Distribution Type | | | Compact Distrib. | |
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| **C. Mandatory Measures for all Domestic Hot Water Distribution Systems** | |
| 01 | Equipment shall meet the applicable requirements of the Appliance Efficiency Regulations (Section 110.3(b)1). |
| 02 | Unfired storage tanks are insulated with an external R-12 or combination of R-16 internal and external Insulation. (Section 110.3(c)4). |
| 03 | All domestic hot water piping shall be insulated as specified in Section 609.11 of the California Plumbing Code. In addition, the following piping conditions shall have a minimum insulation wall thickness of 1 inch or a minimum insulation R-value of 7.7 (RA4.4.1)   * + The first 5 feet (1.5 meters) of cold water pipes from the storage tank.   + All piping with a nominal diameter of 3/4 inch (19 millimeter) and less than 1 inch.   + All hot water piping from the heating source to the kitchen fixtures.   + Piping from the heating source to storage tank or between tanks.   + All piping associated with a recirculation system.   + All underground piping. * Insulation buried below grade must be installed in a water proof and non-crushable casing or sleeve.   + Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall butt securely against all framing members.   + Piping installed in interior or exterior walls that is surrounded on all sides by at least 1 inch (5 cm) of insulation.   + Piping installed in crawlspace with a minimum of 1 inches (5 cm) of crawlspace insulation above and below.   + Piping installed in attics with a minimum of 4 inches (10 cm) of attic insulation on top.   + Pipe insulation shall fit tightly and all elbows and tees shall be fully insulated. |
| 04 | For Gas or Propane Water Heaters: Ensure the following are installed (Section 150.0(n))   * A dedicated 125V, 20A electrical receptacle connected to the electric panel with a 120/240V 3 conductor, 10 AWG copper branch circuit, within 3 feet from the water heater and is accessible with no obstructions.   + The conductor shall be labeled with the word “Spare” on both ends; and   + A reserved single pole circuit breaker space next to the circuit breaker next to the branch circuit in A labeled “Future” 240V shall be provided. * A Category III or IV vent, or a Type B vent with straight pipe between outside and water heater. * A condensate drain no more than 2 inches higher than the base on water heater for natural draining. * A gas supply line with capacity of at least 200,000 Btu/hr. |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.** | |

|  |  |  |
| --- | --- | --- |
| **D. Compact Hot Water Distribution Basic (CHWDS)** (RA4.4.6)  This table reports the inputs and or results for CHWDS. | | |
| 01 | Master bath distance of furthest fixture to water heater |  |
| 02 | Kitchen distance from furthest fixture to water heater |  |
| 03 | Furthest third furthest fixture to water heater |  |
| 04 | Weighted Distance |  |
| 05 | Qualification Distance |  |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.** | | |















| **E. Parallel Piping Requirements (PP)** (RA4.4.4)  Systems that utilize this distribution type shall comply with these requirements. | |
| --- | --- |
| 01 | Each central manifold has 15 feet or less of pipe between manifold and water heater. |
| 02 | For manifolds that include valves, the manifold must be readily accessible in accordance with the plumbing code. |
| 03 | Hot water distribution system piping from the manifold to the fixtures and appliances must take the most direct path. For instance, piping from a second story manifold cannot supply the first floor. |
| 04 | The hot water distribution piping must be separated by at least 2 inches from any other hot water supply piping, and at least 6 inches from any cold water supply piping. Alternatively, the hot water supply piping must be insulated to the thicknesses shown in Table 120.3-A. |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.** | |

| **F. Point of Use Requirements (POU)** (RA4.4.5)  Systems that utilize this distribution type shall comply with these requirements. | |
| --- | --- |
| 01 | All hot water supply pipe run lengths are equal to or less than the maximum values shown below, based on the pipe diameter. If a combination of piping is used in a single run, then one half the allowed length of each size is the maximum installed length.  The maximum allowed length of piping for the longest run terminating in:  3/8 inch - For only one pipe size - max length allowed is 15 feet  For combination pipe sizes the max allowed length of 3/8-inch piping is 7.5 feet, of 1/2 inch piping is 5 feet, and 3/4 inch piping is 2.5 feet.  1/2 inch - For only one pipe size – max length allowed is 10 feet  For combination pipe sizes the allowed length of 1/2inch piping is 5 feet, and 3/4 inch piping is 2.5 feet.  3/4 inch - For only one pipe size = 5 feet |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.** | |

| **G. Mandatory Requirements for All Recirculation Systems** (RA4.4.7)  Systems that utilize a recirculation system shall comply with these requirements. | |
| --- | --- |
| 01 | A check valve located between the recirculation pump and the water heater to prevent unintentional recirculation. |
| 02 | Piping must take the most direct path between water heater and fixtures. |
| 03 | Insulation is not required on the cold water line when it is used as the return. |
| 04 | If more than one loop is installed each loop shall have its own pump and controls. |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.** | |

| **H. Recirculation Non-Demand Controls Requirements (R-ND)** (RA4.4.8)  Systems that utilize this distribution type shall comply with these requirements. | |
| --- | --- |
| 01 | The active control shall be either: timer, temperature, or time and temperature. Timers shall be set to less than 24 hours. The temperature sensor shall be connected to the piping and to the controls for the pump. |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.** | |







| **I. Demand Recirculation Manual Control (R-DRmc)** (RA4.4.9)**/Sensor Control Requirements (RDRsc)** (RA4.4.10)  Systems that utilize this distribution type shall comply with these requirements. | |
| --- | --- |
| 01 | The system operates “on-demand”, meaning that the pump begins to operate shortly before or immediately after hot water draw begins, and stops when the return water temperature reaches a certain threshold value. For Demand Recirculation Manual Control, the pump shall be turned on using a manual switch system. For Demand Recirculation Sensor Control, the pump shall be turned on using a sensor system. |
| 02 | The controls shall be located in the kitchen, bathroom, and any hot water fixture location that is at least 20 feet from the water heater. |
| 03 | Manual controls may be active by wired or wireless mechanisms. |
| 04 | Sensor controls may be activated by wired or wireless mechanisms, including buttons, motion sensors, door switches and flow switches. Each control shall have standby power of 1 Watt or less. |
| 05 | Pump and control placement shall meet one of the following criteria:   * When a dedicated return line has been installed the pump, controls and thermo-sensor are installed at the end of the supply portion of the recirculation loop; or * The pump and controls are installed on the dedicated return line near the water heater and the thermo-sensor is installed in an accessible location as close to the end of the supply portion of the recirculation loop as possible; or * When the cold water line is used as the return, the pump, demand controls and thermo-sensor shall be installed in an accessible location at the end of supply portion of the hot water distribution line (typically under a sink). |
| 06 | After the pump has been activated, the controls shall allow the pump to operate until the water temperature at the thermo-sensor rises to one of the following values:   * Not more than 10°F (5.6°C) above the initial temperature of the water in the pipe; or * Not more than 102°F (38.9°C). |
| 07 | Controls shall limit operation to no more than 5 minutes following activation. |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.** | |

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| **Documentation Author's Declaration Statement** | | | |
| I certify that this Certificate of Installation documentation is accurate and complete. | | | |
| Documentation Author Name: | | Documentation Author Signature: | |
| Documentation Author Company Name: | | Date Signed: | |
| Address: | | CEA/HERS Certification Identification (if applicable): | |
| City/State/Zip: | | Phone: | |
| **Responsible Person's Declaration statement** | | | |
| I certify the following under penalty of perjury, under the laws of the State of California:The information provided on this Certificate of Installation is true and correct.  1. I am either: a) a responsible person eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction, or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Installation, and attest to the declarations in this statement, or b) I am an authorized representative of the responsible person and attest to the declarations in this statement on the responsible person’s behalf. 2. The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations and the installation conforms to the requirements given on the Certificate of Compliance, plans, and specifications approved by the enforcement agency. 3. I will ensure that a registered copy of this Certificate of Installation shall be posted or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a registered copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy. | | | |
| Responsible Builder/Installer Name: | Responsible Builder/Installer Signature: | | |
| Company Name: (Installing Subcontractor or General Contractor or Builder/Owner) | Position With Company (Title): | | |
| Address: | CSLB License: | | |
| City/State/Zip: | Phone | | Date Signed: |

**CF2R-PLB-02-E User Instructions**

**A. Design Dwelling Unit Water Heating Systems Information**

This table reports the water heating system features that were specified on the registered CF1R compliance document for this project. This section is for information/verification purposes only and requires no user input.

**B. Installed Dwelling Unit Water Heating Systems Information**

This table reports the water heating system information that is being installed. Require one line for each system.

01 Water Heating System ID or Name – Reference information from Table A.

02 Modeled Equipment Make and Model – User input. Enter the name and model number of the water heater manufacturer.

03 # of Water Heaters in system –Reference information from Table A.

04 Tank Location – User input must equal reference information from Table A.

05 Exterior Tank Insulation – User Input must be equal to or greater than reference information from Table A.

06 Dwelling Unit DHW System Distribution Type –Reference information from Table A.

07 Compact Distribution - Reference information from Table A.

**C. Mandatory Measures for All Domestic Hot Water Distribution Systems**

This table lists the requirements for all DHW distribution systems. Installer must ensure all the requirements in this table are met.

**D. Compact Hot Water Distribution Basic**

If performance compliance is used, this table lists the values used in the performance calculation and require no user input.

If prescriptive compliance is used, fill out this table.

01 Enter the Master Bath distance of furthest fixture to Water Heater in feet.

02 Enter the Kitchen distance from furthest fixture to Water Heater in feet.

03 Enter Furthest Third fixtures from fixture to Water Heater in feet.

04 Weighted Distance - Calculated value – no user input required.

05 Qualification Distance - Calculated value – no user input required.

**E. Parallel Piping Requirements**

This table only applies to systems indicated as **Parallel Piping.** In addition to the mandatory requirements in Table D, the installer must ensure the requirements in this table are met.

**F. Point of Use Requirements**

This table only applies to systems indicated as **Point of Use**. In addition to the mandatory requirements in Table D, the installer must ensure the requirements in this table are met.

**G. Mandatory Requirements for all Recirculation Systems**

The requirements of this table apply to all recirculation systems listed below.

**H. Recirculation Non-Demand Controls Requirements**

This table only applies to systems indicated as **Recirculation Non-demand Controls.** In addition to the mandatory requirements in Table D and G, the installer must ensure the requirements in this table are met.

**I. Demand Recirculation Manual Control/Sensor Control Requirements**

This table only applies to systems indicated as **Demand Recirculation Manual Control or Demand Recirculation Senor Control.** In addition to the mandatory requirements in Table D and G, the installer must ensure the requirements in this table are met.







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| **A. Design Dwelling Unit Water Heater System Information**  This table reports the water heating system(s) that were specified on the registered CF1R compliance document for this project.  <<require one row of data for each Dwelling Unit Water Heating System name identified on the CF1R report>> | | | | | | | |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 |
| Water Heating System ID  or Name | Modeled Equipment  Make and Model | # of Water Heaters in System | Tank Location | Exterior Tank Insulation R-value | Dwelling Unit DHW System Distribution Type | Compact Distribution | Simulated Equipment Make and Model |
| <<reference value from CF1R>> | <<references value from CF1R-PRF. Else if prescriptive, display “NEEA Tier 3” >> | <<references values from CF1R >> | << If CF1R-PRF-01, then, if TankOutside=true, then report ‘Outside’; if TankCond=true then ‘Conditioned’; if TankGarage=true, then ‘Garage’; else report TankZone;  reference CF1R>> | <<reference values from CF1R-PRF>> | <<reference values from CF1R.  If performance  Allowed values are  \*Standard Distribution System  \* Point of Use  \* Parallel Piping  \*Recirculation System Non-Demand Control  \* Demand Recirculation Manual Control  \* Demand Recirculation Sensor Control;  Else if prescriptive,  Allowed values are  \*Standard Distribution System  \* Demand Recirculation Manual Control>> | <<reference values from CF1R. Allowed values are \*Basic  \*None>> | <<hide column from user, needed for equivalency lookup;  Reference value from XML>> |
|  |  |  |  |  |  |  |  |



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| --- | --- | --- | --- | --- | --- | --- |
| **B. Installed Dwelling Unit Water Heater System Information**  This table reports the water heating system(s) that were specified on the registered CF1R compliance document for this project. | | | | | | |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 |
| Water Heating System ID  or Name | Modeled Equipment  Make and Model | # of Water Heaters in System | Tank Location | Exterior Tank Insulation R-value | Dwelling Unit DHW System Distribution Type | Compact Distribution |
| <<reference value from A01>> | << User input is equal to A02 as default, and allow user to override with an equivalent system based on the simulated equipment in A08>> | << Reference value from A03>> | <<User input value; check value must be = value in A04 to comply, else flag non-compliant values and do not allow the doc to be registered.>> | <<User input value; check value must be ≥A05 to comply, else flag non-compliant values and do not allow the doc to be registered. Value may be NA if A05 is NA >> | << Reference values from A07>> | << Reference values from A08>> |
|  |  |  |  |  |  |  |



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| --- | --- |
| **C. Mandatory Measures for all Domestic Hot Water Distribution Systems** | |
| 01 | Equipment shall meet the applicable requirements of the Appliance Efficiency Regulations (Section 110.3(b)1). |
| 02 | Unfired storage tanks are insulated with an external R-12 or combination of R-16 internal and external Insulation. (Section 110.3(c)4). |
| 03 | All domestic hot water piping shall be insulated as specified in Section 609.11 of the California Plumbing Code. In addition, the following piping conditions shall have a minimum insulation wall thickness of 1 inch or a minimum insulation R-value of 7.7 (RA4.4.1)   * + The first 5 feet (1.5 meters) of cold water pipes from the storage tank.   + All piping with a nominal diameter of 3/4 inch (19 millimeter) and less than 1 inch.   + All hot water piping from the heating source to the kitchen fixtures.   + Piping from the heating source to storage tank or between tanks.   + All piping associated with a recirculation system.   + All underground piping. * Insulation buried below grade must be installed in a water proof and non-crushable casing or sleeve.   + Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall butt securely against all framing members.   + Piping installed in interior or exterior walls that is surrounded on all sides by at least 1 inch (5 cm) of insulation.   + Piping installed in crawlspace with a minimum of 1 inches (5 cm) of crawlspace insulation above and below.   + Piping installed in attics with a minimum of 4 inches (10 cm) of attic insulation on top.   + Pipe insulation shall fit tightly and all elbows and tees shall be fully insulated. |
| 04 | For Gas or Propane Water Heaters: Ensure the following are installed (Section 150.0(n))   * A dedicated 125V, 20A electrical receptacle connected to the electric panel with a 120/240V 3 conductor, 10 AWG copper branch circuit, within 3 feet from the water heater and is accessible with no obstructions.   + The conductor shall be labeled with the word “Spare” on both ends; and   + A reserved single pole circuit breaker space next to the circuit breaker next to the branch circuit in A labeled “Future” 240V shall be provided. * A Category III or IV vent, or a Type B vent with straight pipe between outside and water heater. * A condensate drain no more than 2 inches higher than the base on water heater for natural draining. * A gas supply line with capacity of at least 200,000 Btu/hr. |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.** | |

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| --- | --- | --- | --- |
| **D. Compact Hot Water Distribution Basic (CHWDS)** (RA4.4.6)  This table reports the inputs and results for CHWDS.  <<If A08 “Compact Distribution” = “None”, then display the "section does not apply" message; else display this entire table >> | | | |
| 01 | Master bath distance of furthest fixture to water heater | <<Reference Value from CF1R-PRF, Else if prescriptive compliance, user input>> | |
| 02 | Kitchen distance from furthest fixture to water heater | <<Reference Value from CF1R-PRF, Else if prescriptive compliance, user input>> | |
| 03 | Furthest third furthest fixture to water heater | <<Reference Value from CF1R-PRF, Else if prescriptive compliance, user input>> | |
| 04 | Weighted Distance | << Reference Value from CF1R-PRF, Else if prescriptive compliance, if nonrecirculating system, then Weighted Distance D04 = 0.4\*D01 + 0.4\*D02 + 0.2\*D03.  If recirculation system, then Weighted Distance D04 = D03 | |
| 05 | Qualification Distance | << Reference Value from CF-1R-PRF, Else if prescriptive compliance, Qualification Distance D05 = (a+b \*CFA)/n  Where:  a, b = Qualification distance coefficients see Table 4.4.6-2 below,  CFA = Conditioned floor area of the dwelling unit (ft2), and  N = Number of water heaters in the dwelling unit (unitless).  Table 4.4.6-2: Coefficients for the Qualification Distance Calculation   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | **Coefficient a** | | **Coefficient b** | | | **Building Type** | **Non-Recirculating** | **Recirculating** | **Non-Recirculating** | **Recirculating** | | **Single Family** |  |  |  |  | | One story | 10 | 22.7 | 0.0095 | 0.0099 | | Two story | 15 | 11.5 | 0.0045 | 0.0095 | | Three story | 10 | 0.5 | 0.0030 | 0.014 |   >> | |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.** | | | |















| **E. Parallel Piping Requirements (PP)** (RA4.4.4)  Systems that utilize this distribution type shall comply with these requirements.  <<If A07 “Dwelling Unit DHW System Distribution Type” = “Parallel Piping”, then display this entire table, else display “section does not apply" message; >> | |
| --- | --- |
| 01 | Each central manifold has 15 feet or less of pipe between manifold and water heater. |
| 02 | For manifolds that include valves, the manifold must be readily accessible in accordance with the plumbing code. |
| 03 | Hot water distribution system piping from the manifold to the fixtures and appliances must take the most direct path. For instance, piping from a second story manifold cannot supply the first floor. |
| 04 | The hot water distribution piping must be separated by at least 2 inches from any other hot water supply piping, and at least 6 inches from any cold water supply piping. Alternatively, the hot water supply piping must be insulated to the thicknesses shown in Table 120.3-A. |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.** | |

| **F. Point of Use Requirements (POU)** (RA4.4.5)  Systems that utilize this distribution type shall comply with these requirements  <<If A07 “Dwelling Unit DHW System Distribution Type” = “Point of Use”, then display this entire table, else display “section does not apply" message; >> | |
| --- | --- |
| 01 | All hot water supply pipe run lengths are equal to or less than the maximum values shown below, based on the pipe diameter. If a combination of piping is used in a single run, then one half the allowed length of each size is the maximum installed length.  The maximum allowed length of piping for the longest run terminating in:  3/8 inch - For only one pipe size - max length allowed is 15 feet  For combination pipe sizes the max allowed length of 3/8-inch piping is 7.5 feet, of 1/2-inch piping is 5 feet, and 3/4 inch piping is 2.5 feet.  1/2 inch - For only one pipe size – max length allowed is 10 feet  For combination pipe sizes the allowed length of 1/2-inch piping is 5 feet, and 3/4-inch piping is 2.5 feet.  3/4 inch - For only one pipe size = 5 feet |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.** | |

| **G. Mandatory Requirements for All Recirculation Systems** (RA4.4.7)  Systems that utilizea recirculation system shall comply with these requirements.  <<If A07 “Dwelling Unit DHW System Distribution Type” = “Recirculation System Non-Demand Control”, “Demand Recirculation Manual Control”, or “Demand Recirculation Sensor Control”, then display this entire table, else display “section does not apply" message; >> | |
| --- | --- |
| 01 | A check valve located between the recirculation pump and the water heater to prevent unintentional recirculation. |
| 02 | Piping must take the most direct path between water heater and fixtures. |
| 03 | Insulation is not required on the cold water line when it is used as the return. |
| 04 | If more than one loop is installed each loop shall have its own pump and controls. |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met** | |

| **H. Recirculation Non-Demand Controls Requirements (R-ND)** (RA4.4.8)  Systems that utilize this distribution type shall comply with these requirements.  <<If A07 “Dwelling Unit DHW System Distribution Type” = “Recirculation System Non-Demand Control”, then display this entire table, else display “section does not apply" message; >> | |
| --- | --- |
| 01 | The active control shall be either: timer, temperature, or time and temperature. Timers shall be set to less than 24 hours. The temperature sensor shall be connected to the piping and to the controls for the pump |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.** | |

| **I. Demand Recirculation Manual Control (R-DRmc)** (RA4.4.9)**/Sensor Control Requirements (RDRsc)** (RA4.4.10)  Systems that utilize either of these distribution types shall comply with these requirements.  <<If A07 “Dwelling Unit DHW System Distribution Type” = “Demand Recirculation Manual Control” or “Demand Recirculation Sensor Control” , then display this entire table, else display “section does not apply" message >> | | |
| --- | --- | --- |
| 01 | | The system operates “on-demand”, meaning that the pump begins to operate shortly before or immediately after hot water draw begins, and stops when the return water temperature reaches a certain threshold value. For Demand Recirculation Manual Control, the pump shall be turned on using a manual switch system. For Demand Recirculation Sensor Control, the pump shall be turned on using a sensor system. |
| 02 | | The controls shall be located in the kitchen, bathroom, and any hot water fixture location that is at least 20 feet from the water heater. |
| 03 | | Manual controls may be activated by wired or wireless mechanisms. |
| 04 | | Sensor controls may be activated by wired or wireless mechanisms, including buttons, motion sensors, door switches and flow switches. Each control shall have standby power of 1 Watt or less. |
| 05 | | Pump and control placement shall meet one of the following criteria:   * When a dedicated return line has been installed the pump, controls and thermo-sensor are installed at the end of the supply portion of the recirculation loop; or * The pump and controls are installed on the dedicated return line near the water heater and the thermo-sensor is installed in an accessible location as close to the end of the supply portion of the recirculation loop as possible; or * When the cold water line is used as the return, the pump, demand controls and thermo-sensor shall be installed in an accessible location at the end of supply portion of the hot water distribution line (typically under a sink). |
| 06 | | After the pump has been activated, the controls shall allow the pump to operate until the water temperature at the thermo-sensor rises to one of the following values:   * Not more than 10°F (5.6°C) above the initial temperature of the water in the pipe; or * Not more than 102°F (38.9°C). |
| 07 | | Controls shall limit operation to no more than 5 minutes following activation. |
| **The responsible person’s signature on this compliance document affirms that all applicable requirements in this table have been met.** | | |