| | 1 | | | | | |
|--|---|--|---|---|--|--|
| STATE OF CALIFORNIA Domestic Water Heating System NRCC-PLB-E CALIFORNIA ENERGY COMMISSION | state of california Domestic Water Heating System NRCC-PLB-E | CALIFORNIA ENERGY COMMISSION | state of california Domestic Water Heating System NRCC-PLB-E | | CALIFORNIA ENERGY COMMISSION | |
| NRCC-PLB-E This document is used to demonstrate compliance for nonresidential occupancies with requirements in §110.1, §110.3, §120.3, and §140.5, and with requirements in §141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in §110.1, §110.1, §110.1, §110.1, §110.3, §120.3, §120.3, §150.0 and §150.1(c)8, and with requirements §150.2 for additions. | CERTIFICATE OF COMPLIANCE | VSD SITE Report Page: (Page 2 of 6) Date Prepared: 2023-08-08T18:20:26-04:00 | CERTIFICATE OF COMPLIANCE Project Name: Project Address: | GWSD SITE Report Page: Date Prepared: | NRCC-PLB-E (Page 3 of 6) 2023-08-08T18:20:26-04:00 | |
| Project Name: GWSD SITE Report Page: (Page 1 of 6) Project Address: Date Prepared: 2023-08-08T18:20:26-04:00 | C. COMPLIANCE RESULTS Table C will indicate if the project data input into the compliance document is complian Exceptional Conditions" refer to Table D. or the table indicated as not compliant for gu | ant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with uidance | F. DOMESTIC HOT WATER EQUIPMENT This table is used to demonstrate compliance with mandatory equipment represcriptive requirements in <u>§150.1(c)8</u> must also be demonstrated and with | | hotel/motel occupancies, compliance with | |
| A. GENERAL INFORMATION 01 Project Location (city) SANTA BARBARA 02 Climate Zone 6 03 Occupancy Types Within Project (select all that apply): Image: Comparison of the co | 01 02 Domestic Hot Water Equipment Distribution Systems Table F Table G | 03 04 Controls Compliance Results | Equipment Schedule: Individual Systems 01 02 03 Name or Equipment Type Volume (gal) | 04 05 Max GPM/ First Rated Uniform | 06 quired Uniform Energy Factor (UEF) ¹ | |
| State Building Healthcare Facility Other (Write In) B. PROJECT SCOPE This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in §140.5, | Yes Yes D. EXCEPTIONAL CONDITIONS This table is auto-filled with uneditable comments because of selections made or data | Yes COMPLIES a entered in tables throughout the form. | WH-1 Electric Storage <=30 | (FHR) (UEF) 0 <= FHR <18 | 0.86 | |
| §150.1(c)8, and §141.0(a), or §141.0(b)2N for additions or alterations. Solar water heating systems are documented on the NRCC-SRA compliance document. Combined hydronic water heating systems are documented on the NRCC-SRA compliance document. Combined hydronic water heating systems are documented on the NRCC-SRA compliance document. Combined hydronic water heating systems are documented on the NRCC-SRA compliance document. Combined hydronic water heating systems are documented on the NRCC-SRA compliance document. Combined hydronic water heating systems are documented on the NRCC-SRA compliance document. 01 02 03 My project consists of (check all that apply): System Type ^{1,2} System Components | E. ADDITIONAL REMARKS This table is includes remarks made by the permit applicant to the Authority Having Ju | lurisdiction. | https://cacertappliances.energy.ca.gov/Pages/Search/AdvancedSearch.aspx Water Heating Equipment All Occupancies Yes No Not Applicable Requirement 18 Image: Search and the storage tank insulation shall have Internal + External >=R-16 OR External >=R-12. Label required | | | |
| New system (DHW system being installed for the first time in newly constructed building) Individual System (serving nonresidential spaces) Image: Constructed building Image: Constructed building System Alteration (equipment, distribution or controls) Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building Image: Constructed building | | | 18 1 19 1 20 1 | per §110.3(c)3 New state buildings 60% of energy for service water heating per §110.3(c)5 Isolation valves for instantaneous water heater with input reper §110.3(c)6 | | |
| ² Dwelling units refers to hotel/motel guest rooms and units in a high-rise residential occupancy. | | | G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM This table is used to demonstrate compliance for nonresidential occupancie compliance is demonstrated with requirements <u>§110.3(c)</u> , <u>§120.3</u> , <u>§150.0</u> , <u>s</u> | es with distribution requirements in <u>§120.3</u> and <u>§140.5</u> . For high | rise residential and hotel/motel occupancies, | |
| | | | Recirculating system piping, including supp | nsulation for the following applications is specified to comply with oly and return piping of the water heater including between storage tank and heat trap, for a nonrecircula | | |
| | | | 13 Insulation shall be protected from damage, includ be installed with a cover suitable for outdoor serv | ling that due to sunlight, moisture, equipment maintenance, and vice per $\frac{120.3(b)}{120.3(b)}$ and $\frac{150.0(j)3}{120.3(b)}$ | d wind. Insulation exposed to weather shall | |
| Registration Number:Generated Date/Time:Documentation Software: Energy Code AceCA Building Energy Efficiency Standards - 2019 Nonresidential ComplianceReport Version: 2019.1.003Compliance ID: 78908Schema Version: rev 20200601Report Generated: 2023-08-08 15:20:28 | CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance F | Generated Date/Time:Documentation Software: Energy Code AceReport Version: 2019.1.003Compliance ID: 78908Schema Version: rev 20200601Report Generated: 2023-08-08 15:20:28 | Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance | Generated Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601 | Documentation Software: Energy Code Ace Compliance ID: 78908 Report Generated: 2023-08-08 15:20:28 | |
| state of california Domestic Water Heating System NRCC-PLB-E CALIFORNIA ENERGY COMMISSION | state of california Domestic Water Heating System | CALIFORNIA ENERGY COMMISSION | STATE OF CALIFORNIA Domestic Water Heating System NRCC-PLB-E | | CALIFORNIA ENERGY COMMISSION | |
| CERTIFICATE OF COMPLIANCE NRCC-PLB-E Project Name: GWSD SITE Report Page: (Page 4 of 6) | | VSD SITE Report Page: (Page 5 of 6) | CERTIFICATE OF COMPLIANCE Project Name: | GWSD SITE Report Page: | NRCC-PLB-E (Page 6 of 6) | |
| Project Address: Date Prepared: 2023-08-08T18:20:26-04:00 G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM TABLE 120.3-A PIPE INSULATION THICKNESS | Project Address: I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Selections have been made based on information provided in this document. If any se Additional Remarks. These documents must be provided to the building inspector duri | Date Prepared: 2023-08-08T18:20:26-04:00 election have been changed by permit applicant, an explanation should be included in Table E. | Project Address: DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accur | | 2023-08-08T18:20:26-04:00 | |
| Fluid Temperature Range (°F) Conductivity Range (Btu-in per hour per ft ² per °F) Insulation Mean Rating Temp (°F) <1 Ito < 1.5 1.5 to < 4 105-140 0.22 - 0.28 100 1.0 in or R-7.7 1.5 in or R-12.5 1.5 in or R-11 | NRCI-PLB-01-E - Must be submitted for all buildings | | Documentation Author Name: Christopher Fontaine Company: Aesus Design Group Address: | Documentation Author Signature: Signature Date: CEA/ HERS Certification Identification (if applicable): | | |
| H. DOMESTIC HOT WATER CONTROLS This table is used to demonstrate compliance with control requirements in §110.3 for all occupancies. For high-rise residential and hotel/motel occupancies, compliance is also | J.DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE There are no Certificates of Acceptance applicable to service water heating requireme | ents. | City/State/Zip: RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. | Phone: | | |
| demonstrated with requirements in §150.1(c)8. Yes No Not Applicable Requirement 01 Image: Construction documents require manufacturer certification that service water-heating systems are equipped with automatic | K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION There are no NRCV forms required for this project. | | I am eligible under Division 3 of the Business and Professions Code to accept resp The energy features and performance specifications, materials, components, and of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificat plans and specifications submitted to the enforcement agency for approval with t | I manufactured devices for the building design or system design identified on th te of Compliance are consistent with the information provided on other applica | is Certificate of Compliance conform to the requirements | |
| 02 Image: Constraint of the second secon | | | I will ensure that a completed signed copy of this Certificate of Compliance shall be inspections. I understand that a completed signed copy of this Certificate of Complete Responsible Designer Name: Christopher Fontaine | pliance is required to be included with the documentation the builder provides Responsible Designer Signature: | | |
| 04 Image: Constraint of the second secon | | | Company: Aesus Design Group Address: City/State/Zip: | Date Signed: License: Phone: | | |
| 05Image: Constraint of the system serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per §150.1(c)8.06Image: Constraint of the system serving individual dwelling units in climate zone 1-15, design includes communication interface that meets demand responsive control requirements of §110.12(a) per §150.2(b)1Hiii. | | | | | | |
| | | | | | | |
| Registration Number:Generated Date/Time:Documentation Software: Energy Code AceCA Building Energy Efficiency Standards - 2019 Nonresidential ComplianceReport Version: 2019.1.003Compliance ID: 78908Schema Version: rev 20200601Report Generated: 2023-08-08 15:20:28 | CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance | Generated Date/Time:Documentation Software: Energy Code AceReport Version: 2019.1.003Compliance ID: 78908Schema Version: rev 20200601Report Generated: 2023-08-08 15:20:28 | Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance | Generated Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601 | Documentation Software: Energy Code Ace Compliance ID: 78908 Report Generated: 2023-08-08 15:20:28 | |
| Science version: rev 2020001 Report Generated: 2023-08-08 15:20:28 | | Report Generated: 2023-08-08 15:20:28 | | | neport Generateu: 2023-08-08 13:20:28 | |

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| 480.751.8780 ed@egadesign.net | |
| ega | design.net |
| | |

| ISSUED | REV | DATE |
|--|-----|--------------|
| DART Submittal | | 15 May 2015 |
| Site Development Plan 1 | | 23 June 2015 |
| 30% Schematic Design | | 30 Oct. 2015 |
| Pre-App & Architectural Board of Review Submittal | | 23 Apr. 2016 |
| Architectural Board of Review Submittal | | 25 Jan. 2017 |
| Architectural Board of Review | | 10 OCT 2022 |
| | | |
| | | |
| | | |
| | | |



MECHANICAL ENERGY CODE

SUALE

PROJECT NUMBER

40903 _____

DRAWING NUMBER

M-0.2