

2016 Residential Compliance Documents – Change Notes

CF1R-NCB-01

- Inserted a new Section/Table F. – “Roof/Ceiling Insulation”
- Deleted Section G. – “Radiant Barrier”
- Updated minimum required HVAC efficiencies:
 - AFUE = 81%
 - HSPF = 8.0
 - SEER = 14
- Updated required airflow rate
 - 1.5 CFM per ft²
- Updated minimum required net free vent area
 - 1 ft² per 750 CFM

CF1R-ADD-01

- Sections B & C – inserted note at the bottom of the table
 - “Note: Where insulation is installed above the roofing membrane, or above the layer used to seal the roof from water penetration, the insulation shall have a maximum water absorption of 0.3 percent by volume when tested according to ASTM Standard C272.”

CF1R-ADD-02

- Sections B & C – inserted note at the bottom of the table
 - “Note: Where insulation is installed above the roofing membrane, or above the layer used to seal the roof from water penetration, the insulation shall have a maximum water absorption of 0.3 percent by volume when tested according to ASTM Standard C272.”

CF1R-ALT-01

- Sections B & C – inserted note at the bottom of the table
 - “Note: Where insulation is installed above the roofing membrane, or above the layer used to seal the roof from water penetration, the insulation shall have a maximum water absorption of 0.3 percent by volume when tested according to ASTM Standard C272.”

CF2R-ALT-02

- Updated minimum required HVAC efficiency:
 - AFUE = 81%
 - HSPF = 8.0
 - SEER = 14

CF1R-ALT-03/04

- Updated minimum required Lineset R-value
 - ≥ R-2.8
- Removed all references to “Plenums”

CF1R-ALT-05

- Sections B – inserted note at the bottom of the table
 - “Note: Where insulation is installed above the roofing membrane or above the layer used to seal the roof from water penetration, the insulation shall have a maximum water absorption of 0.3 percent by volume when tested according to ASTM Standard C272.”

CF1R-SRA-01

- Section F. – revised Section name: “Smart Thermostats and **Alternative Efficiency Measure**”
- F01 – revised static text
 - “All thermostats comply with Reference Joint Appendix JA5 and are capable of receiving and responding to Demand Response Signals prior to granting of an occupancy permit by the enforcing agency.”
- F02 – inserted new F02: “Alternative Efficiency Measure”
 - user selects one from list:
 - Install a dishwasher that meets or exceeds ENERGY STAR Program requirements with either a refrigerator that meets or exceeds the ENERGY STAR Program requirements or a whole house fan driven by an electronically commutated motor; or
 - Install a home automation system capable of, at a minimum, controlling the appliances and lighting of the dwelling and responding to demand response signals; or
 - Install alternative plumbing piping to permit the discharge from the clothes washer and all showers and bathtubs to be used for an irrigation system in compliance with the *California Plumbing Code* and any applicable local ordinances; or
 - Install a rainwater catchment system designed to comply with the *California Plumbing Code* and any applicable local ordinances, and that uses rainwater flowing from at least 65% of the available roof area

CF2R-ADD-02

- Sections B – inserted note at the bottom of the table
 - “Note: Where insulation is installed above the roofing membrane or above the layer used to seal the roof from water penetration, the insulation shall have a maximum water absorption of 0.3 percent by volume when tested according to ASTM Standard C272.”
- Deleted “Kitchen Lighting Requirements”
- Deleted Section Q. – “Installed Kitchen Lighting Compliance”
- Deleted “Kitchen Lighting Requirements Worksheet”

CF2R-ALT-05

- Inserted new A14 – “Exceptions to Minimum Aged Solar Reflectance and Minimum Thermal Emittance or SRI”
- Sections B – inserted note at the bottom of the table
 - “Note: Where insulation is installed above the roofing membrane or above the layer used to seal the roof from water penetration, the insulation shall have a maximum water absorption of 0.3 percent by volume when tested according to ASTM Standard C272.”
- Deleted “Kitchen Lighting Requirements”
- Deleted Section Q. – “Installed Kitchen Lighting Compliance”
- Deleted “Kitchen Lighting Requirements Worksheet”

CF2R-ENV-03

- G08 – updated R-value
 - R-22
- G09 – revised static text
 - “Vapor Retarder – 150.0(g)1: In Climate Zones 14 through 16, the earth floor of unvented crawl space shall be covered with a Class I or Class II vapor retarder. This requirement shall also apply to controlled ventilation crawl space for buildings complying with the Exception to Section 150.0(d).”
- G10 – revised static text
 - “Vapor Retarder – 150.2(g)2: In Climate Zones 14 and 16, a Class I or Class II vapor retarder shall be installed on the conditioned side of all insulation in all exterior walls, vented attics and unvented attics with air-permeable insulation.”
- Deleted G11

CF2R-LTG-01

- Completely revised from 2013

CF2R-MCH-01a,b,c

- Inserted new N09/K09/M09
 - “Liquid Line Filter Drier: If applicable, a liquid line filter drier shall be installed according to the manufacturer’s specifications. Section 150.0(h)3B.”

CF2R-MCH-02

- Updated required airflow rate
 - 1.5 CFM per ft²
- Updated minimum required net free vent area
 - 1 ft² per 750 CFM

CF2R/3R-MCH-20a,d

- Updated “New/Complete Replacement” Duct Leakage Factor: 5%

CF2R/3R-MCH-21

- Removed all references to “Supply”

CF2R/3R-MCH-25a,b,c,d,e

- Replaced “Charge Indicator Display (CID)” with “**Fault Indicator Display (FID)**”
- Inserted new A09: “Liquid Line Filter Drier Installed According to Manufacturer’s Specifications (if applicable)”
 - user selects from list:
 - Yes; or
 - NA

CF2R/3R-MCH-25f

- Replaced “Charge Indicator Display (CID)” with “**Fault Indicator Display (FID)**”
- Inserted new A09: “Liquid Line Filter Drier Installed According to Manufacturer’s Specifications (if applicable)”
 - user selects from list:
 - Yes; or
 - NA
- Captured new role of installer
 - Deleted D01

CF2R/3R-MCH-26

- Updated to capture approved directories:
 - CEC
 - DOE
 - AHRI

CF2R/3R-MCH-28

- Revised static text: Table 150.0-B/C

CF2R-PLB-02

- Inserted a new Section I. – “Point of Use”

CF2R/3R-PLB-22

- Deleted Section I. – “HERS-Verified Point of Use Requirements”

CF2R-SPV-01a,c

- Deleted Section B. – “PV System Eligibility for Compliance Credit: NSHP Program Participant”
- Removed references to NSHP Program

CF2R-SPV-01b

- Removed references to NSHP Program

CF2R-STH-01

- Deleted Section E. – “Sizing Compliance with Prescriptive Electric Water Heating Requirement”

CF3R-ENV-21

- C13 – revised static text
 - “All single-member window and door headers shall be insulated to a minimum of R-3 for a 2x4 framing, or equivalent width, and a minimum of R-5 for all other assemblies. Insulation is to be placed between the interior face of the header and inside surface of the interior wall finish.”

NRCV-PLB-22

- Deleted Section I. – “HERS-Verified Point of Use Requirements”