

# Appendix A Compliance Forms Documents

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NOTE: For User Instructions, please visit our website at: <http://energy.ca.gov/title24/2016standards/resdocs/>

#	Doc Type	Doc Category	Category Description	Document Description
<b>CF1R's – Certificate of Compliance</b>				
1	CF1R-	NCB-01-E	Newly Constructed Buildings	Prescriptive Newly Constructed Buildings and Additions equal to or greater than 1,000 ft <sup>2</sup>
2	CF1R-	ADD-01-E	Additions	Prescriptive Additions less than 1,000 ft <sup>2</sup>
3	CF1R-	ADD-02-E	Additions	Prescriptive Additions – Simple NonHERS (paper version)
4	CF1R-	ALT-01-E	Alterations	Prescriptive Alterations
5	CF1R-	ALT-02-E	Alterations	Prescriptive Alterations HVAC
6	CF1R-	ALT-03-E	Alterations-HVAC	Alterations-HVAC for CZ 1, 3-7, 16 (paper version)
7	CF1R-	ALT-04-E	Alterations-HVAC	Alterations HVAC for CZ 2, 8-15 (paper version)
8	CF1R-	ALT-05-E	Alterations	Prescriptive Alterations – Simple NonHERS (paper version)
9	CF1R-	ENV-02-E	Envelope	Area Weighted Average Calculation Worksheet
10	CF1R-	ENV-03-E	Envelope	Solar Heat Gain Coefficient (SHGC) Worksheet
11	CF1R-	ENV-04-E	Envelope	Solar Reflective Index (SRI) Calculation Worksheet
12	CF1R-	PLB-01-E	Plumbing (DHW)	Hydronic Heating System Worksheet
13	CF1R-	SRA-01-E	Solar Ready	Solar Ready Area – New Construction
14	CF1R-	SRA-02-E	Solar Ready	Minimum Solar Zone Area Worksheet – New Construction
15	CF1R-	STH-01-E	Solar Thermal	OG 300 Solar Water Heating Worksheet
16	CF1R-	STH-02-E	Solar Thermal	OG 100 Solar Water Heating Worksheet
<b>CF2R's – Certificate of Installation</b>				
<u>17</u>	<u>CF2R-</u>	<u>ADD-02-E</u>	<u>Additions</u>	<u>Prescriptive Additions – Simple NonHERS (paper version)</u>
<u>18</u>	<u>CF2R-</u>	<u>ALT-05-E</u>	<u>Alterations</u>	<u>Prescriptive Alterations – Simple NonHERS (paper version)</u>
<u>17</u> <u>9</u>	<u>CF2R-</u>	<u>ENV-01-E</u>	<u>Envelope-NonHERS</u>	<u>Insulation, Roofing, Fenestration Specification Installation</u>
<u>20</u>	<u>CF2R-</u>	<u>ENV-03-E</u>	<u>Envelope-NonHERS</u>	<u>Insulation Installation</u>
<u>21</u>	<u>CF2R-</u>	<u>ENV-04-E</u>	<u>Envelope-NonHERS</u>	<u>Roofing – Radiant Barrier</u>
<u>22</u>	<u>CF2R-</u>	<u>ENV-20-H</u>	<u>Envelope-HERS</u>	<u>Building Leakage Diagnostic Test</u>
<u>18</u>	<u>CF2R-</u>	<u>ENV-20a-H</u>	<u>Envelope-HERS</u>	<u>Building Leakage Diagnostic Test – Single Point Test with Manual Meter</u>

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#	Doc Type	Doc Category	Category Description	Document Description
19	CF2R-	ENV-20b-H	Envelope-HERS	Building Leakage Diagnostic Test—Single Point Test with Automatic Meter
20	CF2R-	ENV-20c-H	Envelope-HERS	Building Leakage Diagnostic Test—Multi-Point Test
21	CF2R-	ENV-20d-H	Envelope-HERS	Building Leakage Diagnostic Test—Repeated Single Point Test with Manual Meter
22	CF2R-	ENV-20e-H	Envelope-HERS	Building Leakage Diagnostic Test—Repeated Single Point Test with Automatic Meter
23	CF2R-	ENV-21-H	Envelope-HERS	Quality Insulation Installation (QII)—Air Infiltration Sealing—Framing Stage—Batt, Loose Fill, and SPF
<del>24</del> 24 3	CF2R-	ENV-22-H	Envelope-HERS	Quality Insulation Installation (QII)—Air Infiltration Sealing—Ceiling/Roof Deck Air Infiltration Sealing
25	CF2R-	ENV-23-H	Envelope-HERS	Quality Insulation Installation (QII)—Insulation Stage
26	CF2R-	ENV-24-H	Envelope-HERS	Quality Insulation Installation (QII)—Air Infiltration Sealing—Framing Stage—SIP and ICF
<del>27</del> 27 4	CF2R-	LTG-01-E	Lighting-NonHERS	Lighting - Single Family Dwellings
<del>28</del> 28 5	CF2R-	LTG-02-E	Lighting-NonHERS	Lighting - Multifamily Dwellings
<del>26</del>	<del>CF2R-</del>	<del>MCH-01-E</del>	<del>Mechanical-NonHERS</del>	<del>Space Conditioning Systems</del>
29	CF2R-	MCH-01a-E	Mechanical-NonHERS	Space Conditioning Systems Ducts and Fans—Performance
30	CF2R-	MCH-01b-E	Mechanical-NonHERS	Space Conditioning Systems Ducts and Fans—Prescriptive Alterations
31	CF2R-	MCH-01c-E	Mechanical-NonHERS	Space Conditioning Systems Ducts and Fans—Prescriptive Newly Constructed Buildings
<del>32</del> 32 7	CF2R-	MCH-02-E	Mechanical-NonHERS	Whole House Fan
<del>33</del> 33 8	CF2R-	MCH-04-E	Mechanical-NonHERS	Evaporative Coolers
29	CF2R-	MCH-20-H	Mechanical-HERS	Duct Leakage Diagnostic Test
34	CF2R-	MCH-20a-H	Mechanical-HERS	Duct Leakage Diagnostic Test—New System
35	CF2R-	MCH-20b-H	Mechanical-HERS	Duct Leakage Diagnostic Test—Low Leakage Ducts in Conditioned Space
36	CF2R-	MCH-20c-H	Mechanical-HERS	Duct Leakage Diagnostic Test—Low Leakage Air-Handling Units
37	CF2R-	MCH-20d-H	Mechanical-HERS	Duct Leakage Diagnostic Test—Altered (Existing) System
38	CF2R-	MCH-20e-H	Mechanical-HERS	Duct Leakage Diagnostic Test—Sealing All Accessible Leaks
<del>39</del> 39 0	CF2R-	MCH-21-H	Mechanical-HERS	Duct Location Verification
31	CF2R-	MCH-22-H	Mechanical-HERS	Fan Efficacy
40	CF2R-	MCH-22a-H	Mechanical-HERS	Forced Air System Fan Efficacy (Watt/cfm)—Single Zone Systems or Zonally Controlled Systems with All

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#	Doc Type	Doc Category	Category Description	Document Description
				Zones-Calling
41	CF2R-	MCH-22b-H	Mechanical-HERS	Forced Air System Fan Efficacy (Watt/cfm) – Zonally Controlled Systems in Every Zonal Control Mode
<u>32</u>	<u>CF2R-</u>	<u>MCH-23-H</u>	<u>Mechanical-HERS</u>	<u>Airflow Rate</u>
42	CF2R-	MCH-23a-H	Mechanical-HERS	Forced Air System Airflow Rate (cfm/ton) – Single Zone Systems or Zonally Controlled Systems with All Zones Calling – compliance using RA3.3 methods
43	CF2R-	MCH-23b-H	Mechanical-HERS	Forced Air System Airflow Rate (cfm/ton) – Zonally Controlled Systems in Every Zonal Control Mode – compliance using RA3.3 methods
44	CF2R-	MCH-23c-H	Mechanical-HERS	Forced Air System Airflow Rate – compliance using Alternative Compliance using RA3.2.2.7.3 methods
45	CF2R-	MCH-23d-H	Mechanical-HERS	Forced Air System Airflow Rate – Measurement Only (CFM) – Single Zone Systems or Zonally Controlled Systems with All Zones Calling – compliance using RA3.3 methods
<u>33</u>	<u>CF2R-</u>	<u>MCH-24-H</u>	<u>Envelope-HERS</u>	<u>Building Envelope Air Leakage Worksheet</u>
46	CF2R-	MCH-24a-H	Envelope-HERS	Building Envelope Air Leakage Worksheet – Single-Point Test with Manual Meter
47	CF2R-	MCH-24b-H	Envelope-HERS	Building Envelope Air Leakage Worksheet – Single-Point Test with Automatic Meter
48	CF2R-	MCH-24c-H	Envelope-HERS	Building Envelope Air Leakage Worksheet – Multi-Point Test
49	CF2R-	MCH-24d-H	Envelope-HERS	Building Envelope Air Leakage Worksheet – Repeated Single Point Test with Manual Meter
50	CF2R-	MCH-24e-H	Envelope-HERS	Building Envelope Air Leakage Worksheet – Repeated Single Point Test with Automatic Meter
<u>34</u>	<u>CF2R-</u>	<u>MCH-25-H</u>	<u>Mechanical-HERS</u>	<u>Refrigerant Charge Verification</u>
51	CF2R-	MCH-25a-H	Mechanical-HERS	Refrigerant Charge Verification – Superheat Method (Standard Charge Verification Procedure)
52	CF2R-	MCH-25b-H	Mechanical-HERS	Refrigerant Charge Verification – Subcooling Method (Standard Charge Verification Procedure)
53	CF2R-	MCH-25c-H	Mechanical-HERS	Refrigerant Charge Verification – Weigh in Charging Procedure (HERS Observation Only)
54	CF2R-	MCH-25d-H	Mechanical-HERS	Refrigerant Charge Verification – Verification of Fault Indicator Display (FID)
55	CF2R-	MCH-25e-H	Mechanical-HERS	Refrigerant Charge Verification – Winter Setup Charge Verification Procedure
56	CF2R-	MCH-25f-E	Mechanical-NonHERS	Refrigerant Charge Verification – Packaged System with Manufacturer Refrigerant Charge Certification
<u>57</u> <u>5</u>	CF2R-	MCH-26-H	Mechanical-HERS	Rated Space Conditioning System Equipment Verification
<u>36</u>	<u>CF2R-</u>	<u>MCH-27-H</u>	<u>Mechanical-HERS</u>	<u>Mechanical Ventilation</u>
58	CF2R-	MCH-27a-H	Mechanical-HERS	Indoor Air Quality and Mechanical Ventilation – Continuous Ventilation Airflow – Fan Vent Rate

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#	Doc Type	Doc Category	Category Description	Document Description
				Method
59	CF2R-	MCH-27b-H	Mechanical-HERS	Indoor Air Quality and Mechanical Ventilation—Continuous Ventilation Airflow—Total Vent Rate Method
60	CF2R-	MCH-27c-H	Mechanical-HERS	Indoor Air Quality and Mechanical Ventilation—Intermittent Ventilation Airflow—Fan Vent Rate Method
61	CF2R-	MCH-27d-H	Mechanical-HERS	Indoor Air Quality and Mechanical Ventilation—Intermittent Ventilation Airflow—Total Vent Rate Method
<del>62</del> 7	CF2R-	MCH-28-H	Mechanical-HERS	Return Duct Design and Air Filter Grille Device Sizing According to Tables 150.0-B or C
<del>63</del> 8	CF2R-	MCH-29-H	Mechanical-HERS	Duct Surface Area Reduction; R-Value; Buried Ducts Compliance Credit
<del>64</del> 9	CF2R-	MCH-30-E	Mechanical-HERS	Ventilation cooling compliance credit
<del>65</del> 0	CF2R-	PLB-01-E	Plumbing-DHW-NonHERS	Multifamily Central Hot Water System Distribution
<del>66</del> 1	CF2R-	PLB-02-E	Plumbing (DHW)-NonHERS	Single Dwelling Unit Hot Water System Distribution
<del>67</del> 2	CF2R-	PLB-03-E	Plumbing (DHW)-NonHERS	Pool and Spa Heating Systems
<del>68</del> 3	CF2R-	PLB-21-H	Plumbing (DHW)-HERS	HERS Verified Multifamily Central Hot Water System Distribution
<del>69</del> 4	CF2R-	PLB-22-H	Plumbing (DHW)-HERS	HERS Verified Single Dwelling Unit Hot Water System Distribution
45	CF2R-	SPV-01-E	Photovoltaics-NonHERS	Photovoltaic Systems
70	CF2R-	SPV-01a-E	Photovoltaic	PV Systems—Compliance Credit
71	CF2R-	SPV-01b-E	Photovoltaic	PV Systems—Exception to Solar Ready Area Requirements
72	CF2R-	SPV-01c-E	Photovoltaic	PV Systems—PV Compliance Credits + Exceptions to SRA Requirements
<del>73</del> 6	CF2R-	STH-01-E	Solar Thermal	Solar Water Heating Systems
<b>CF3R's – Certificate of Installation</b>				
47	CF3R-	ENV-20-H	Envelope-HERS	Building Leakage Diagnostic Test
74	CF3R-	ENV-20a-H	Envelope-HERS	Building Leakage Diagnostic Test—Single Point Test with Manual Meter
75	CF3R-	ENV-20b-H	Envelope-HERS	Building Leakage Diagnostic Test—Single Point Test with Automatic Meter
76	CF3R-	ENV-20c-H	Envelope-HERS	Building Leakage Diagnostic Test—Multi-Point Test
77	CF3R-	ENV-20d-H	Envelope-HERS	Building Leakage Diagnostic Test—Repeated Single Point Test with Manual Meter

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#	Doc Type	Doc Category	Category Description	Document Description
78	CF3R-	ENV-20e-H	Envelope-HERS	<del>Building Leakage Diagnostic Test – Repeated Single Point Test with Automatic Meter</del>
<del>794</del> 8	CF3R-	ENV-21-H	Envelope-HERS	Quality Insulation Installation (QII) - Air Infiltration Sealing - Framing Stage - Batt, Loose Fill, and SPF
<del>804</del> 9	CF3R-	ENV-22-H	Envelope-HERS	Quality Insulation Installation (QII) - Air Infiltration Sealing - Ceiling/Roof Deck
<del>815</del> 0	CF3R-	ENV-23-H	Envelope-HERS	Quality Insulation Installation (QII) - Insulation Stage
<del>825</del> 1	CF3R-	ENV-24-H	Envelope-HERS	Quality Insulation Installation (QII) - Air Infiltration Sealing - Framing Stage - SIP and ICF
<del>835</del> 2	CF3R-	EXC-20-H	Existing Conditions	HERS Verification of Existing Conditions for Residential Alterations
53	CF3R-	MCH-20-H	Mechanical-HERS	Duct Leakage Diagnostic Test
84	CF3R-	MCH-20a-H	Mechanical-HERS	Duct Leakage Diagnostic Test – New System
85	CF3R-	MCH-20b-H	Mechanical-HERS	Duct Leakage Diagnostic Test – Low Leakage Ducts in Conditioned Space
86	CF3R-	MCH-20c-H	Mechanical-HERS	Duct Leakage Diagnostic Test – Low Leakage Air-Handling Units
87	CF3R-	MCH-20d-H	Mechanical-HERS	Duct Leakage Diagnostic Test – Altered (Existing) System
88	CF3R-	MCH-20e-H	Mechanical-HERS	Duct Leakage Diagnostic Test – Sealing All Accessible Leaks
<del>895</del> 4	CF3R-	MCH-21-H	Mechanical-HERS	Duct Location Verification
55	CF3R-	MCH-22-H	Mechanical-HERS	Fan Efficacy
90	CF3R-	MCH-22a-H	Mechanical-HERS	Forced Air System Fan Efficacy (Watt/cfm) – Single Zone Systems or Zonally Controlled Systems with All Zones Calling
91	CF3R-	MCH-22b-H	Mechanical-HERS	Forced Air System Fan Efficacy (Watt/cfm) – Zonally Controlled Systems in Every Zonal Control Mode
56	CF3R-	MCH-23-H	Mechanical-HERS	Airflow Rate
92	CF3R-	MCH-23a-H	Mechanical-HERS	Forced Air System Airflow Rate (cfm/ton) – Single Zone Systems or Zonally Controlled Systems with All Zones Calling – compliance using RA3.3 methods
93	CF3R-	MCH-23b-H	Mechanical-HERS	Forced Air System Airflow Rate (cfm/ton) – Zonally Controlled Systems in Every Zonal Control Mode – compliance using RA3.3 methods
94	CF3R-	MCH-23c-H	Mechanical-HERS	Forced Air System Airflow Rate compliance using Alternative Compliance using RA3.2.2.7.3 methods (best that I can do)
95	CF3R-	MCH-23d-H	Mechanical-HERS	Forced Air System Airflow Rate – Measurement Only (CFM) – Single Zone Systems or Zonally Controlled Systems with All Zones Calling – compliance using RA3.3 methods
57	CF3R-	MCH-24-H	Envelope-HERS	Building Envelope Air Leakage Worksheet

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#	Doc Type	Doc Category	Category Description	Document Description
96	CF3R-	MCH-24a-H	Envelope-HERS	<del>Building Envelope Air Leakage Worksheet—Single-Point Test with Manual Meter</del>
97	CF3R-	MCH-24b-H	Envelope-HERS	<del>Building Envelope Air Leakage Worksheet—Single-Point Test with Automatic Meter</del>
98	CF3R-	MCH-24c-H	Envelope-HERS	<del>Building Envelope Air Leakage Worksheet—Multi-Point Test</del>
99	CF3R-	MCH-24d-H	Envelope-HERS	<del>Building Envelope Air Leakage Worksheet—Repeated Single Point Test with Manual Meter</del>
100	CF3R-	MCH-24e-H	Envelope-HERS	<del>Building Envelope Air Leakage Worksheet—Repeated Single Point Test with Automatic Meter</del>
<u>58</u>	<u>CF3R-</u>	<u>MCH-25-H</u>	<u>Mechanical-HERS</u>	<u>Refrigerant Charge Verification</u>
101	CF3R-	MCH-25a-H	Mechanical-HERS	<del>Refrigerant Charge Verification—Superheat Method (Standard Charge Verification Procedure)</del>
102	CF3R-	MCH-25b-H	Mechanical-HERS	<del>Refrigerant Charge Verification—Subcooling Method (Standard Charge Verification Procedure)</del>
103	CF3R-	MCH-25c-H	Mechanical-HERS	<del>Refrigerant Charge Verification—Weigh-in-Charging Procedure (HERS Observation Only)</del>
104	CF3R-	MCH-25d-H	Mechanical-HERS	<del>Refrigerant Charge Verification—Verification of Fault Indicator Display (FID)</del>
105	CF3R-	MCH-25e-H	Mechanical-HERS	<del>Refrigerant Charge Verification—Winter Setup Charge Verification Procedure</del>
<del>106</del> <u>59</u>	CF3R-	MCH-26-H	Mechanical-HERS	Rated Space Conditioning System Equipment Verification
<u>60</u>	<u>CF3R-</u>	<u>MCH-27-H</u>	<u>Mechanical-HERS</u>	<u>Mechanical Ventilation</u>
107	CF3R-	MCH-27a-H	Mechanical-HERS	<del>Indoor Air Quality and Mechanical Ventilation—Continuous Ventilation Airflow—Fan Vent Rate Method</del>
108	CF3R-	MCH-27b-H	Mechanical-HERS	<del>Indoor Air Quality and Mechanical Ventilation—Continuous Ventilation Airflow—Total Vent Rate Method</del>
109	CF3R-	MCH-27c-H	Mechanical-HERS	<del>Indoor Air Quality and Mechanical Ventilation—Intermittent Ventilation Airflow—Fan Vent Rate Method</del>
110	CF3R-	MCH-27d-H	Mechanical-HERS	<del>Indoor Air Quality and Mechanical Ventilation—Intermittent Ventilation Airflow—Total Vent Rate Method</del>
<del>111</del> <u>61</u>	CF3R-	MCH-28-H	Mechanical-HERS	Return Duct Design and Air Filter Device Sizing According to Tables 150.0-B or C
<del>112</del> <u>62</u>	CF3R-	MCH-29-H	Mechanical-HERS	Duct Surface Area Reduction; R-value; Buried Ducts Compliance Credit
<del>113</del> <u>63</u>	CF3R-	PLB-21-H	Plumbing (DHW)-HERS	HERS Verified Multifamily Central Hot Water System Distribution
<del>114</del> <u>64</u>	CF3R-	PLB-22-H	Plumbing (DHW)-HERS	HERS Verified High Rise Residential/Hotel/Motel Single Dwelling Unit Hot Water System Distribution
<u>65</u>	<u>NRCV-</u>	<u>MCH-04-H</u>	<u>Mechanical-HERS</u>	<u>Duct Leakage Diagnostic Test</u>
115	NRCV-	MCH-04a-H	Mechanical-HERS	<del>Duct Leakage Measurement—New System</del>

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#	Doc Type	Doc Category	Category Description	Document Description
<del>116</del>	<del>NRCV-</del>	<del>MCH-04c-H</del>	<del>Mechanical-HERS</del>	<del>Duct Leakage Diagnostic Test – Low Leakage Air-Handling Units</del>
<del>117</del>	<del>NRCV-</del>	<del>MCH-04d-H</del>	<del>Mechanical-HERS</del>	<del>Duct Leakage Diagnostic Test – Altered (Existing) System</del>
<del>118</del>	<del>NRCV-</del>	<del>MCH-04e-H</del>	<del>Mechanical-HERS</del>	<del>Duct Leakage Diagnostic Test – Sealing All Accessible Leaks</del>
<del>119</del> <u>66</u>	<del>NRCV-</del>	<del>PLB-21-H</del>	<del>Plumbing (DHW)-HERS</del>	<del>HERS Verified Multifamily Central Hot Water System Distribution</del>
<del>120</del> <u>67</u>	<del>NRCV-</del>	<del>PLB-22-H</del>	<del>Plumbing (DHW)-HERS</del>	<del>HERS Verified High Rise Residential/Hotel/Motel Single Dwelling Unit Hot Water System Distribution</del>