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| **A. System Information** | | |
| *Each system requiring verification must use a separate form* | | |
| 01 | System Name or Identification/Tag |  |
| 02 | System Location or Area Served |  |
| 03 | Evaporative Cooler System Type |  |
| 04 | Manufacturer Name of Installed Evaporative Cooler |  |
| 05 | Manufacturer Model Number of Installed Evaporative Cooler |  |

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| **B. Installation Criteria** | |
| 01 | Only indirect or direct/indirect systems may be installed as part of the evaporative cooling compliance option. Direct evaporative coolers do not meet the eligibility criteria. |
| 02 | Installed evaporative cooler is listed as an approved non-central air conditioner and heat pumps. |
| 03 | Equipment shall be permanently installed (no window or portable units). |
| 04 | Installation shall provide for automatic relief of supply air from the house with maximum air velocity through the relief dampers not exceeding 800 fpm (at the Title 20 rated airflow). Pressure relief dampers and ductwork shall be distributed to provide adequate airflow through all habitable rooms. For installations with an attic, ceiling dampers shall be installed to relieve air into the attic, and then to outside through attic vents. For installations without an attic, sidewall relief dampers are acceptable. |
| 05 | To minimize water consumption, bleed systems are not allowed. |
| 06 | A water quality management system (either “pump out” or conductivity sensor) is required. “Pump out” systems can either be integral to the evaporative cooler or they can be accessories that operate on a timed interval. The time interval between dumps shall be set to a minimum of six hours of cooler operation. Longer intervals are encouraged if local water quality allows. |
| 07 | The equipment manufacturer shall certify to the Energy Commission that water use does not exceed 7.5 gallons per ton hour based on the Title 20 Appliance Standards testing criteria. |
| 08 | Automatic thermostats are required. On/off control is not allowed. |
| 09 | If the evaporative cooler duct system is shared with a heating and/or cooling system, the installed duct system shall employ backdraft dampers at the evaporative cooler supply. |
| 10 | The installing contractor must provide a winter closure device that substantially blocks outdoor air from entering the indoor space. |
| 11 | The size of the water inlet connection at the evaporative cooler shall not exceed 3/8”. |
| 12 | Unless prohibited by local code, the sump overflow line shall not be directly connected to a drain and shall be terminated in a location that is normally visible to the building occupants. |
| **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** | | | |
| 1. 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-MCH-04-E User Instructions**

**Section A. Evaporative Cooler Equipment Information**

1. This field is automatically imported from the CF2R-MCH-01. The number entered in the field equals evaporative cooler system name or identification/tag from the building plans.
2. This field is automatically imported from the CF2R-MCH-01. The number entered in the field equals evaporative cooler system location or the area served.
3. This field is automatically imported from the CF2R-MCH-01. Allowable values are:

\*evaporative - direct

\*evaporative - indirect

\*evaporative - indirectdirect

1. Enter the Evaporative Cooler Manufacturer Name.
2. Enter the Evaporative Cooler Model Number.

**Section B. Installation Criteria**

1. This statement must be true (or not applicable) to comply.
2. This statement must be true (or not applicable) to comply.
3. This statement must be true (or not applicable) to comply.
4. This statement must be true (or not applicable) to comply.
5. This statement must be true (or not applicable) to comply.
6. This statement must be true (or not applicable) to comply.
7. This statement must be true (or not applicable) to comply.
8. This statement must be true (or not applicable) to comply.
9. This statement must be true (or not applicable) to comply.
10. This statement must be true (or not applicable) to comply.
11. This statement must be true (or not applicable) to comply.
12. This statement must be true (or not applicable) to comply.

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| **A. System Information** | | |
| *Each system requiring verification must use a separate form* | | |
| 01 | System Name or Identification/Tag | (auto filled from MCH-1) |
| 02 | System Location or Area Served | (auto filled from MCH-1) |
| 03 | Evaporative Cooler System Type | <<calculated field: reference value from CF2R-MCH-01:  allowable values=  \*evaporative - direct  \*evaporative - indirect  \*evaporative - indirectdirect |
| 04 | Manufacturer Name of Installed Evaporative Cooler | <<user enter text>> |
| 05 | Manufacturer Model Number of Installed Evaporative Cooler | <<user enter text>> |

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| **B. Installation Criteria** | |
| 01 | Only indirect or direct/indirect systems may be installed as part of the evaporative cooling compliance option. Direct evaporative coolers do not meet the eligibility criteria. |
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| 09 | If the evaporative cooler duct system is shared with a heating and/or cooling system, the installed duct system shall employ backdraft dampers at the evaporative cooler supply. |
| 10 | The installing contractor must provide a winter closure device that substantially blocks outdoor air from entering the indoor space. |
| 11 | The size of the water inlet connection at the evaporative cooler shall not exceed 3/8”. |
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| **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** | | | |
| 1. 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: |