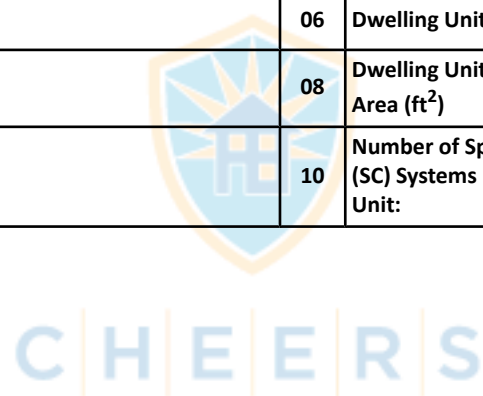


CERTIFICATE OF COMPLIANCE		CF1R-ALT-02-E
Alterations to Space Conditioning Systems (formerly CF-1R-ALT-HVAC)		(Page 1 of 5)
Project Name:	NANCY DOUGHERTY	Date Prepared: 2020-10-06

A. General Information CF1R-ALT-02 is applicable to multiple space conditioning systems contained within a single dwelling unit. When multiple dwelling units must be documented, use one CF1R-ALT-02 document for each dwelling unit.					
01	Project Name	NANCY DOUGHERTY	02	Date Prepared	2020-10-06
03	Project Location	3501 Harrison Grade Rd	04	Building Type	Single family
05	CA City	Sebastopol	06	Dwelling Unit Name	NANCY DOUGHERTY
07	Zip Code	95472	08	Dwelling Unit Conditioned Floor Area (ft ²)	1916
09	Climate Zone	2	10	Number of Space Conditioning (SC) Systems in this Dwelling Unit:	4



CERTIFICATE OF COMPLIANCE	CF1R-ALT-02-E
Alterations to Space Conditioning Systems (formerly CF-1R-ALT-HVAC)	(Page 2 of 5)

B. Space Conditioning (SC) System Information									
01	02	03	04	05	06	07	08	09	10
SC System ID or Name	SC System Location or Area Served	CFA served by this SC System (ft ²)	Is the SC system a ducted system?	Installing a refrigerant containing component?	Installing new SC system components?	Installing more than 40 feet of ducts?	Installing entirely new duct system?	Installing entirely new SC system?	Alteration Type
System 1	Location 1	479	No	No	Yes	No	No	Yes	Entirely new or complete replacement space conditioning system
System 2	Location 2	479	No	No	Yes	No	No	Yes	Entirely new or complete replacement space conditioning system
System 3	Location 3	479	No	No	Yes	No	No	Yes	Entirely new or complete replacement space conditioning system
System 4	Location 4	479	No	No	Yes	No	No	Yes	Entirely new or complete replacement space conditioning system

C. Extension of Existing Duct System, Greater Than 40 Feet (Section150.2(b)1Diib)
This section does not apply to this project.

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D. Altered Space Conditioning System (Sections 150.2(b)1E and F)
This section does not apply to this project.

E. Entirely New or Complete Replacement Duct System, with or without Equipment Changeout (Sections 150.2(b)1Diia and 150.2(b)1E, F)
This section does not apply to this project.

F. Entirely New or Complete Replacement Space Conditioning System (Section 150.2(b)1C)											
01	02	03	04	05	06	07	08	09	10	11	12
System ID/ Name	SC System Description of Area Served	Heating System Type	Altered Heating Component	Heating Efficiency Type	Heating Minimum Efficiency Value	Cooling System Type	Altered Cooling Component	Cooling Efficiency Type	Cooling Minimum Efficiency Value	Required Thermostat Type	New Duct R-Value
System 1	Location 1	Electric	All new heating components	HSPF	8	Ductless mini-split HP	All new cooling components	SEER	21	SetbackThermostat	n/a
System 2	Location 2	Electric	All new heating components	HSPF	8	Ductless mini-split HP	All new cooling components	SEER	21	SetbackThermostat	n/a
System 3	Location 3	Electric	All new heating components	HSPF	8	Ductless mini-split HP	All new cooling components	SEER	21	SetbackThermostat	n/a
System 4	Location 4	Electric	All new heating components	HSPF	8	Ductless mini-split HP	All new cooling components	SEER	21	SetbackThermostat	n/a

Required Documentation: CF2R-MCH-01-E - Space Conditioning Systems - Duct insulation requirement for the new portions of supply-air and return-air ducts or plenums: R6 (CZ 1-10, 12 and 13) and R8 (CZ 11 and 14-16) CF2R and CF3R-MCH-20-H Duct Leakage Test required - Leakage rate compliance: <= 5%. CF2R and CF3R-MCH-22 Fan Efficacy CF2R and CF3R-MCH-23 Airflow Rate Verification - Compliance: Fan Efficacy <= 0.58 W/cfm for non-gas furnaces and 0.45 W/cfm for gas furnaces and System Airflow >= 350 cfm per ton. - Alternative Compliance: CF2R and CF3R-MCH-28 Return Duct Design verification is an alternative to MCH-22 and MCH-23 verification. CF2R and CF3R-MCH-25-H Refrigerant Charge verification required when refrigerant containing components are installed or altered (applicable in CZ 2, 8-15).

Exceptions:

Heating-only systems are exempt from the 0.58 W per cfm and 350 cfm per ton requirements.

Note: An "entirely new or replacement duct system" means at least 75% of the duct system is new duct material, and up to 25% may consist of reused parts from the dwelling unit's existing duct system (e.g., registers, grilles, boots, air handler, coil, plenums, duct material) if the reused parts are accessible and can be sealed to prevent leakage



CERTIFICATE OF COMPLIANCE	CF1R-ALT-02-E
Alterations to Space Conditioning Systems (formerly CF-1R-ALT-HVAC)	(Page 5 of 5)

Documentation Author's Declaration Statement	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Nicola Schleeauf	Documentation Author Signature: <i>Nicola Schleeauf</i>
Company: I Permit E Raters	Signature Date: 2020-10-06
Address: 31225 La Baya Drive	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Westlake Village CA 91362	Phone: 818-735-7876
Responsible Person's Declaration statement	
<p>I certify the following under penalty of perjury, under the laws of the State of California:</p> <ol style="list-style-type: none"> 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. That the energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a registered copy of this Certificate of Compliance shall be 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 Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. 	
Responsible Designer Name: Corie Gillespie	Responsible Designer Signature: <i>Corie Gillespie</i>
Company : Moore Home Services	Date Signed: 2020-10-06
Address: 3242 Airway Drive	License: 1051850
City/State/Zip: Santa Rosa CA 95403	Phone: (707) 433-2250

Digitally signed by ConSol Home Energy Efficiency Rating System Services, Inc. (CHEERS). This digital signature is provided in order to secure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information.

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