

ALTERATIONS TO SPACE CONDITIONING SYSTEMS
(FORMERLY CF-1R-ALT-HVAC)

CF1R-ALT-02-E

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CERTIFICATE OF COMPLIANCE

Project Name:	5511 Braehurst Lane	Enforcement Agency:	Sebastopol, City of
Dwelling Address:	5511 Braehurst Ln	Permit Number:	
City and Zip Code	Sebastopol, 95472	Permit Application Date:	2024-05-14

A. General Information

CF1R-ALT-02 is applicable to multiple space conditioning systems contained within a single dwelling unit.

01	Project Name	5511 Braehurst Lane	02	Date Prepared	2024-05-14
03	Project Location	5511 Braehurst Ln	04	Building Type	Single family
05	CA City	Sebastopol	06	Dwelling Unit Name	5511 Braehurst Lane
07	Zip Code	95472	08	Dwelling Unit Conditioned Floor Area (ft ²)	2059
09	Climate Zone	2	10	Number of Space Conditioning (SC) Systems in this Dwelling Unit:	1

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 25 feet of ducts?	Installing entirely new duct system?	Installing entirely new SC system?	Alteration Type
System 1	Location 1	2059	Yes	No	Yes	No	No	No	Altered space conditioning system

Registration Number: 424-A020084741A-000-000-0000000-0000

Registration Date/Time: 2024-05-14 10:09:34

HERS Provider: CHEERS

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CA Building Energy Efficiency Standards - 2022 Residential Compliance

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C. Extension of Existing Duct System, Greater Than 25 Feet (Section 150.2(b)1Diib)

This section does not apply to this project.

D. Altered Space Conditioning System (Sections 150.2(b)1E and F)

01	02	03	04	05	06	07	08	09	010	11	12	13	14
System ID/ Name	SC System Description of Area Served	Heating System Type	Altered Heating Component s	Heating Efficiency Type	Heating Minimum Efficiency Value	Cooling System Type	Altered Cooling Component s	Cooling Efficiency Type	Cooling Minimum Efficiency Value SEER/SEER2	Cooling Minimum Efficiency Value EER/EER2/C EER	Required Thermostat Type	New or Replaced Duct Length	New Duct R-Value
System 1	Location 1	Central gas furnace	All new heating components	AFUE	80	Central split AC	No Cooling Component Altered	n/a	n/a	n/a	Setback	N/A - no ducts replaced.	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 3, 5-7) and R8 (CZ 1, 2, 4, 8-16)

CF2R and CF3R-MCH-20-H - Duct Leakage Test required when heating or cooling components are installed in ducted systems, or when more than 25 ft of duct length is replaced

- Leakage rate compliance: less than or equal to 10% or less than or equal to 7% leakage to outside, or seal all accessible leaks.

CF2R and CF3R-MCH-25-H Refrigerant Charge verification required when refrigerant containing components are installed or altered (applicable in CZ 2, 8-15).

CF2R and CF3R-MCH-23 Airflow Rate greater than or equal to 300 CFM per ton required when MCH-25 is required.

Exceptions:

- Duct systems registered with HERS provider as previously sealed are exempt from MCH-20 Duct Leakage Testing requirements.

- Heating-only systems and Air Handler Furnace changes do not require verification of Air Flow MCH-23, or Refrigerant Charge MCH-25.

- Existing duct systems constructed, insulated or sealed with asbestos are exempt from MCH-20 Duct Leakage Testing requirements.

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)

This section does not apply to this project.

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Jamie Medlin	Documentation Author Signature: <i>Jamie Medlin</i>
Company: Archon Energy Solutions	Signature Date: 2024-05-14
Address: 46 Union Way Vacaville	CEA/ HERS Certification Identification (if applicable): RCN13300
City/State/Zip: Vacaville CA 95687	Phone: 888-600-1614
RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following under penalty of perjury, under the laws of the State of California:	
<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. 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 understand 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, and I will take the necessary steps to accomplish this requirement.6. 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, and I will take the necessary steps to accomplish these requirements.	
Responsible Designer Name: Brad Gentile	Responsible Designer Signature: <i>Brad Gentile</i>
Company : A-1 Heating and Cooling, Inc.	Date Signed: 2024-05-14
Address: 476 W. Taylor Street	License: 966809
City/State/Zip: San Jose CA 95710	Phone: 408-283-9915

Digitally signed by California Home Energy Efficiency Rating Services (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.