

CERTIFICATE OF COMPLIANCE	CF1R-ALT-02-E
Alterations to Space Conditioning Systems (formerly CF-1R-ALT-HVAC)	
Project Name:	Golden Apartments - Type A
Date Prepared:	2017-12-13

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	Golden Apartments - Type A	02 Date Prepared	2017-11-21
03 Project Location	2312 N. Golden Ave	04 Building Type	Multi-family
05 CA City	San Bernardino	06 Dwelling Unit Name	Golden Apartments - Type A
07 Zip Code	92404	08 Dwelling Unit Conditioned Floor Area (ft²)	564
09 Climate Zone	10	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 Identification 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	Unit Type A	564	No	Yes	Yes	No	No	No	Altered space conditioning system

C. Extension of Existing Duct System, Greater Than 40 Feet (Section 150.2(b)1Diib)

This section does not apply to this project.

CERTIFICATE OF COMPLIANCE

CF1R-ALT-02-E

Alterations to Space Conditioning Systems (formerly CF-1R-ALT-HVAC)

(Page 2 of 3)

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

01	02	03	04	05	06	07	08	09	10	11	12
System Identification or Name	Heating System Type	Altered Heating Components	Heating Efficiency Type	Heating Minimum Efficiency Value	Cooling System Type	Altered Cooling Components	Cooling Efficiency Type	Cooling Minimum Efficiency Value	Required Thermostat Type	New or Replaced Duct Length	New Duct R-Value
System 1	Electric	All new heating components	COP	3.5	Room AC	All new cooling components	EER	11.9	Setback	This field or section is not applicable	This field or section is not applicable

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 when heating or cooling components are installed in ducted systems, or when more than 40 ft of duct length is replaced
- Leakage rate compliance: <= 15% or <= 10% 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 >= 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.

CERTIFICATE OF COMPLIANCE

CF1R-ALT-02-E

Alterations to Space Conditioning Systems (formerly CF-1R-ALT-HVAC)

(Page 3 of 3)

Documentation Author's Declaration Statement

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Aguirre, Ramiro	Documentation Author Signature: <i>Ramiro Aguirre</i>
Company: AME Design Group	Signature Date: 2017-11-21 17:24:57
Address: 2062 Business Center Drive #250	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Irvine CA 92612	Phone: 949-553-0011
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. 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: Aguirre, Ramiro	Responsible Designer Signature: <i>Ramiro Aguirre</i>
Company : AME Design Group	Date Signed: 2017-11-21 17:24:57
Address: 2062 Business Center Drive #250	License: M31763
City/State/Zip: Irvine CA 92612	Phone: 949-553-0011



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