

STATE OF CALIFORNIA
RESIDENTIAL ALTERATIONS
 CEC-CF1R-ALT-01-E (Revised 01/19)

RECEIVED
04/22/2021
CITY OF TRACY
 Development Services
 Building Safety Division

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	
Prescriptive Residential Alterations	
Project Name: Mazon	Date Prepared: 04/22/2021

A. General Information					
01	Project Name:	Mazon	02	Date Prepared:	04/22/2021
03	Project Location:	844 Shelburne Drive	04	Building Front Orientation (deg or cardinal):	
05	CA City:	Tracy	06	Number of Altered Dwelling Units:	
07	Zip Code:	95375	08	Fuel Type:	Natural gas
09	Climate Zone:	12	10	Total Conditioned Floor Area (ft²):	
11	Building Type:	Single family residential	12	Slab Area (ft²):	
13	Project Scope:	50 gallon natural gas water heater replacement, like-for-like, 38K BTU, in garage			
			14	Exceptions to Minimum Aged Solar Reflectance and Minimum Thermal Emittance	

B. Building Insulation Details – Framed (Section 150.2(b)1)										
01	02	03	04	05	06	07	08	09	10	11
Tag/ID	Assembly Type	Frame Type	Frame Depth (inches)	Frame Spacing (inches)	Proposed				Required	Comments
					Cavity R-value	Continuous Insulation R-value	U-factor	Appendix JA4 Reference	U-Factor from Table 150.1-A or B	
							Table	Cell		
Note: <ul style="list-style-type: none"> Where insulation is installed above the roofing membrane, or above the layer used to seal the roof from water penetration, the insulation shall have a maximum water absorption of 0.3 percent by volume when tested according to ASTM Standard C272. 										

C. Building Insulation Details – Nonframed										
01	02	03	04	05	06	07	08	09	10	11
Tag/ID	Assembly Type	Assembly Materials	Thickness (inches)	Proposed				Required	Comments	
				Core Insulation R-value	Continuous Insulation R-value	U-factor	Appendix JA4 Reference	U-factor from Table 150.1-A or B		
							Table	Cell		

RES21-0950

Registration Number:
 CA Building Energy Efficiency Standards - 2019 Residential Compliance

Registration Date/Time:

HERS Provider:

January 2019

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Water Heating System ID or Name	Water Heating System Type	System Option (from §150.1(c)(8))	# of Dwelling Units in System	# of Recir Loops	Water Heater Type	Volume	Fuel Type	# of Water Heaters in System	Rated Input (Range)	Minimum Solar Savings Fraction	Additional PV Capacity	Tank Location	Distribution Type	
Mazon DTH	Conventional	1	0	Small	50	Storage	gallons	NG	1	38k	N/A	N/A	garage	standard
Options:														

Options:

Single Family & Multifamily with Individual Water Heaters

1. Gas or propane instantaneous.
2. 55 gallons or less storage tank with 75,000 Btu or less rated input. Distribution either compact hot water distribution (HERS) or drain water heat recovery (HERS).
3. Greater than 55 gallons storage tank with 75,000 Btu or less rated input.
4. Heat pump water heater. Installed in conditioned space or garage. Either:
 - A. Compact hot water distribution basic and drain water heat recovery (HERS), or
 - B. If climate zone 8-15, a PV system 0.3 kWdc larger than system required, or If climate zone 1 or 16, a PV system 1.1 kWdc larger than system required
5. Tier 3 heat water heater (as rated by Northwest Energy Efficiency Alliance (NEEA)). Installed in conditioned space or garage. If climate zone 1 or 16 either:
 - A. A PV system that is 0.3 kWdc larger than required, or
 - C. Compact hot water distribution basic.

Multifamily with Central Water Heating

- A. Gas or propane water heating system, a recirculation system, and a minimum solar savings fraction of 0.20 in Climate Zones 1 through 9 or a minimum solar savings fraction of 0.35 in Climate Zones 10 through 16.
- B. Gas or propane water heating system, a recirculation system, a minimum solar savings fraction of 0.15 in Climate Zones 1 through 9 or a minimum solar savings fraction of 0.30 in Climate Zones 10 through 16, and a drain water heat recovery system.

K. Space Conditioning Systems and Water Heating Systems in Multifamily Dwelling Unit

01	02	03	04	05	06
Dwelling Unit Name	Dwelling Unit Total CFA (ft ²)	Central Water Heating System Identification or Name	Dwelling Unit Water Heating System Identification or Name	Dwelling Unit: Alteration to Existing or Installation of Space Conditioning System(s)?	Comments

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Project Name: <u>Mazon</u>	Date Prepared <u>04/22/2024</u>	

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: <u>Jimmy Bettelle</u>	Documentation Author Signature: <u>[Signature]</u>
Company: <u>CA Delta Mechanical, Inc.</u>	Signature Date: <u>04/22/2024</u>
Address: <u>6056 E. Baseline Rd STE 155</u>	CFA/HERS Certification Identification (if applicable):
City/State/Zip: <u>Mesa, AZ 85206</u>	Phone: <u>566-642-5273</u>
RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following under penalty of perjury, under the laws of the State of California:	
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: <u>Jimmy Bettelle</u>	Responsible Designer Signature: <u>[Signature]</u>
Company: <u>CA Delta Mechanical, Inc.</u>	Date Signed: <u>04/22/2024</u>
Address: <u>6056 E Baseline Rd STE 155</u>	License: <u>81114</u>
City/State/Zip: <u>Mesa, AZ 85206</u>	Phone: <u>566-642-5273</u>

For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300