

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**

**CF1R-PRF-01E**

**Project Name:** 2306-22-0336 Chula-Vista ADU -- 748 Long -- Reverse 2BR RF

**Calculation Date/Time:** 2023-06-26T11:59:35-07:00

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**Calculation Description:** Title 24 Analysis

**Input File Name:** 2306-22-0336 Chula-Vista ADU -- 748 Long -- Reverse 2BR RF.ribd22x

| GENERAL INFORMATION |   |  |    |  |                  |
|---------------------|---|--|----|--|------------------|
| 01                  | <b>Project Name</b>                               | 2306-22-0336 Chula-Vista ADU -- 748 Long -- Reverse 2BR RF |    |  |                  |
| 02                  | <b>Run Title</b>                                  | Title 24 Analysis  |    |  |                  |
| 03                  | <b>Project Location</b>                           | 276 4th Avenue   |    |  |                  |
| 04                  | <b>City</b>                                       | Chula Vista  | 05 | <b>Standards Version</b>                 | 2022             |
| 06                  | <b>Zip code</b>                                   | 91910  | 07 | <b>Software Version</b>                  | EnergyPro 9.1    |
| 08                  | <b>Climate Zone</b>                               | 10   | 09 | <b>Front Orientation (deg/ Cardinal)</b> | All orientations |
| 10                  | <b>Building Type</b>                              | Single family  | 11 | <b>Number of Dwelling Units</b>          | 1                |
| 12                  | <b>Project Scope</b>                              | Newly Constructed  | 13 | <b>Number of Bedrooms</b>                | 2                |
| 14                  | <b>Addition Cond. Floor Area (ft<sup>2</sup>)</b> | 0  | 15 | <b>Number of Stories</b>                 | 1                |
| 16                  | <b>Existing Cond. Floor Area (ft<sup>2</sup>)</b> | n/a  | 17 | <b>Fenestration Average U-factor</b>     | 0.3              |
| 18                  | <b>Total Cond. Floor Area (ft<sup>2</sup>)</b>    | 748  | 19 | <b>Glazing Percentage (%)</b>            | 11.63%           |
| 20                  | <b>ADU Bedroom Count</b>                          | n/a  |    |  |                  |

| COMPLIANCE RESULTS |   |
|--------------------|---|
| 01                 | Building Complies with Computer Performance   |
| 02                 | This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS provider. |
| 03                 | This building incorporates one or more Special Features shown below   |



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| ENERGY DESIGN RATINGS  |                       |  |                                    |                      |  |                                    |
|--|-----------------------|--|------------------------------------|----------------------|--|------------------------------------|
|  | Energy Design Ratings |  |                                    | Compliance Margins   |  |                                    |
|  | Source Energy (EDR1)  | Efficiency <sup>1</sup> EDR (EDR2efficiency) | Total <sup>2</sup> EDR (EDR2total) | Source Energy (EDR1) | Efficiency <sup>1</sup> EDR (EDR2efficiency) | Total <sup>2</sup> EDR (EDR2total) |
| <b>Standard Design</b>   | 33.5                  | 41.1   | 33.9                               |                      |  |                                    |
| <b>Proposed Design</b>   |                       |  |                                    |                      |  |                                    |
| <b>North Facing</b>  | 31.2                  | 34.6   | 30.5                               | 2.3                  | 6.5  | 3.4                                |
| <b>East Facing</b>   | 32.1                  | 38.7   | 32.6                               | 1.4                  | 2.4  | 1.3                                |
| <b>South Facing</b>  | 31.3                  | 34.7   | 30.5                               | 2.2                  | 6.4  | 3.4                                |
| <b>West Facing</b>   | 32.1                  | 38.3   | 32.4                               | 1.4                  | 2.8  | 1.5                                |
| <b>RESULT<sup>3</sup>: PASS</b>  |                       |  |                                    |                      |  |                                    |
| <sup>1</sup> Efficiency EDR includes improvements like a better building envelope and more efficient equipment<br><sup>2</sup> Total EDR includes efficiency and demand response measures such as photovoltaic (PV) system and batteries<br><sup>3</sup> Building complies when source energy, efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded |                       |  |                                    |                      |  |                                    |
| <ul style="list-style-type: none"> <li>Standard Design PV Capacity: 2.13 kWdc</li> <li>Proposed PV Capacity Scaling: North (2.13 kWdc) East (2.13 kWdc) South (2.13 kWdc) West (2.13 kWdc)</li> </ul>  |                       |  |                                    |                      |  |                                    |

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| <b>ENERGY USE SUMMARY</b>                       |   |  |   |  |                                 |                                 |
|---|---|--|---|--|---------------------------------|---------------------------------|
| <b>Energy Use</b>                               | <b>Standard Design Source Energy (EDR1) (kBtu/ft<sup>2</sup> -yr)</b> | <b>Standard Design TDV Energy (EDR2) (kTDV/ft<sup>2</sup> -yr)</b> | <b>Proposed Design Source Energy (EDR1) (kBtu/ft<sup>2</sup> -yr)</b> | <b>Proposed Design TDV Energy (EDR2) (kTDV/ft<sup>2</sup> -yr)</b> | <b>Compliance Margin (EDR1)</b> | <b>Compliance Margin (EDR2)</b> |
| Space Heating                                   | 0.51  | 2.28   | 1.07  | 7.81   | -0.56                           | -5.53                           |
| Space Cooling                                   | 2.16  | 41.03  | 1.53  | 31.34  | 0.63                            | 9.69                            |
| IAQ Ventilation                                 | 0.46  | 4.85   | 0.46  | 4.85   | 0                               | 0                               |
| Water Heating                                   | 2.74  | 27.78  | 1.8   | 19.88  | 0.94                            | 7.9                             |
| Self Utilization/Flexibility Credit             |   |  |   | 0  |                                 | 0                               |
| <b>North Facing Efficiency Compliance Total</b> | <b>5.87</b>   | <b>75.94</b>   | <b>4.86</b>   | <b>63.88</b>   | <b>1.01</b>                     | <b>12.06</b>                    |
| Space Heating                                   | 0.51  | 2.28   | 1.22  | 8.96   | -0.71                           | -6.68                           |
| Space Cooling                                   | 2.16  | 41.03  | 1.8   | 37.72  | 0.36                            | 3.31                            |
| IAQ Ventilation                                 | 0.46  | 4.85   | 0.46  | 4.85   | 0                               | 0                               |
| Water Heating                                   | 2.74  | 27.78  | 1.8   | 19.88  | 0.94                            | 7.9                             |
| Self Utilization/Flexibility Credit             |   |  |   | 0  |                                 | 0                               |
| <b>East Facing Efficiency Compliance Total</b>  | <b>5.87</b>   | <b>75.94</b>   | <b>5.28</b>   | <b>71.41</b>   | <b>0.59</b>                     | <b>4.53</b>                     |

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| <b>ENERGY USE SUMMARY</b>                       |   |  |   |  |                                 |                                 |
|---|---|--|---|--|---------------------------------|---------------------------------|
| <b>Energy Use</b>                               | <b>Standard Design Source Energy (EDR1) (kBtu/ft<sup>2</sup> -yr)</b> | <b>Standard Design TDV Energy (EDR2) (kTDV/ft<sup>2</sup> -yr)</b> | <b>Proposed Design Source Energy (EDR1) (kBtu/ft<sup>2</sup> -yr)</b> | <b>Proposed Design TDV Energy (EDR2) (kTDV/ft<sup>2</sup> -yr)</b> | <b>Compliance Margin (EDR1)</b> | <b>Compliance Margin (EDR2)</b> |
| Space Heating                                   | 0.51  | 2.28   | 1.14  | 8.38   | -0.63                           | -6.1                            |
| Space Cooling                                   | 2.16  | 41.03  | 1.52  | 31.02  | 0.64                            | 10.01                           |
| IAQ Ventilation                                 | 0.46  | 4.85   | 0.46  | 4.85   | 0                               | 0                               |
| Water Heating                                   | 2.74  | 27.78  | 1.8   | 19.91  | 0.94                            | 7.87                            |
| Self Utilization/Flexibility Credit             |   |  |   | 0  |                                 | 0                               |
| <b>South Facing Efficiency Compliance Total</b> | <b>5.87</b>   | <b>75.94</b>   | <b>4.92</b>   | <b>64.16</b>   | <b>0.95</b>                     | <b>11.78</b>                    |
| Space Heating                                   | 0.51  | 2.28   | 1.22  | 8.91   | -0.71                           | -6.63                           |
| Space Cooling                                   | 2.16  | 41.03  | 1.79  | 37.17  | 0.37                            | 3.86                            |
| IAQ Ventilation                                 | 0.46  | 4.85   | 0.46  | 4.85   | 0                               | 0                               |
| Water Heating                                   | 2.74  | 27.78  | 1.8   | 19.87  | 0.94                            | 7.91                            |
| Self Utilization/Flexibility Credit             |   |  |   | 0  |                                 | 0                               |
| <b>West Facing Efficiency Compliance Total</b>  | <b>5.87</b>   | <b>75.94</b>   | <b>5.27</b>   | <b>70.8</b>  | <b>0.6</b>                      | <b>5.14</b>                     |

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| ENERGY USE INTENSITY  |  |  |  |                   |
|---|--|--|--|-------------------|
|   | Standard Design (kBtu/ft <sup>2</sup> - yr ) | Proposed Design (kBtu/ft <sup>2</sup> - yr ) | Compliance Margin (kBtu/ft <sup>2</sup> - yr ) | Margin Percentage |
| <b>North Facing</b>   |  |  |  |                   |
| Gross EUI <sup>1</sup>  | 25.21  | 23.33  | 1.88   | 7.46              |
| Net EUI <sup>2</sup>  | 8.61   | 6.74   | 1.87   | 21.72             |
| <b>East Facing</b>  |  |  |  |                   |
| Gross EUI <sup>1</sup>  | 25.21  | 24.16  | 1.05   | 4.17              |
| Net EUI <sup>2</sup>  | 8.61   | 7.56   | 1.05   | 12.2              |
| <b>South Facing</b>   |  |  |  |                   |
| Gross EUI <sup>1</sup>  | 25.21  | 23.35  | 1.86   | 7.38              |
| Net EUI <sup>2</sup>  | 8.61   | 6.76   | 1.85   | 21.49             |
| <b>West Facing</b>  |  |  |  |                   |
| Gross EUI <sup>1</sup>  | 25.21  | 24.14  | 1.07   | 4.24              |
| Net EUI <sup>2</sup>  | 8.61   | 7.55   | 1.06   | 12.31             |
| Notes<br>1. Gross EUI is Energy Use Total (not including PV) / Total Building Area.<br>2. Net EUI is Energy Use Total (including PV) / Total Building Area. |  |  |  |                   |

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| REQUIRED PV SYSTEMS   |           |                   |            |                   |      |               |            |                   |                 |                   |                         |
|-----------------------|-----------|-------------------|------------|-------------------|------|---------------|------------|-------------------|-----------------|-------------------|-------------------------|
| 01                    | 02        | 03                | 04         | 05                | 06   | 07            | 08         | 09                | 10              | 11                | 12                      |
| DC System Size (kWdc) | Exception | Module Type       | Array Type | Power Electronics | CFI  | Azimuth (deg) | Tilt Input | Array Angle (deg) | Tilt: (x in 12) | Inverter Eff. (%) | Annual Solar Access (%) |
| 2.13                  | NA        | Standard (14-17%) | Fixed      | none              | true | 150-270       | n/a        | n/a               | <=7:12          | 96                | 98                      |

| REQUIRED SPECIAL FEATURES  |
|--|
| The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.  |
| <ul style="list-style-type: none"> <li>Insulation below roof deck</li> <li>Northwest Energy Efficiency Alliance (NEEA) rated heat pump water heater; specific brand/model, or equivalent, must be installed</li> </ul> |

| HERS FEATURE SUMMARY  |
|---|
| The following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building tables below. Registered CF2Rs and CF3Rs are required to be completed in the HERS Registry |
| <ul style="list-style-type: none"> <li>Quality insulation installation (QII)</li> <li>Indoor air quality ventilation</li> <li>Kitchen range hood</li> <li>Verified heat pump rated heating capacity</li> </ul>  |

| BUILDING - FEATURES INFORMATION                            |   |                          |                    |                 |                                       |                                 |
|--|---|--------------------------|--------------------|-----------------|---------------------------------------|---------------------------------|
| 01   | 02  | 03                       | 04                 | 05              | 06                                    | 07                              |
| Project Name   | Conditioned Floor Area (ft <sup>2</sup> ) | Number of Dwelling Units | Number of Bedrooms | Number of Zones | Number of Ventilation Cooling Systems | Number of Water Heating Systems |
| 2306-22-0336 Chula-Vista ADU -- 748 Long -- Reverse 2BR RF | 748                                       | 1                        | 2                  | 1               | 0                                     | 1                               |

| ZONE INFORMATION |             |                  |                                    |                     |                        |        |
|------------------|-------------|------------------|------------------------------------|---------------------|------------------------|--------|
| 01               | 02          | 03               | 04                                 | 05                  | 06                     | 07     |
| Zone Name        | Zone Type   | HVAC System Name | Zone Floor Area (ft <sup>2</sup> ) | Avg. Ceiling Height | Water Heating System 1 | Status |
| New ADU          | Conditioned | New HVAC1        | 748                                | 8                   | DHW Sys 1              | New    |

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| OPAQUE SURFACES  |         |                       |         |             |                               |   |            |
|------------------|---------|-----------------------|---------|-------------|-------------------------------|---|------------|
| 01               | 02      | 03                    | 04      | 05          | 06                            | 07                                      | 08         |
| Name             | Zone    | Construction          | Azimuth | Orientation | Gross Area (ft <sup>2</sup> ) | Window and Door Area (ft <sup>2</sup> ) | Tilt (deg) |
| New Front Wall   | New ADU | R-21 w/R-5 Wall       | 0       | Front       | 352                           | 56                                      | 90         |
| New Left Wall    | New ADU | R-21 w/R-5 Wall       | 90      | Left        | 136                           | 0                                       | 90         |
| New Back Wall    | New ADU | R-21 w/R-5 Wall       | 180     | Back        | 352                           | 51                                      | 90         |
| New Right Wall   | New ADU | R-21 w/R-5 Wall       | 270     | Right       | 144                           | 0                                       | 90         |
| New Roof Attic   | New ADU | R-38 w/R-19 B.R.D.    | n/a     | n/a         | 748                           | n/a                                     | n/a        |
| New Raised Floor | New ADU | R-19 Floor Crawlspace | n/a     | n/a         | 748                           | n/a                                     | n/a        |

| ATTIC         |                   |            |                     |                  |                |                 |           |
|---------------|-------------------|------------|---------------------|------------------|----------------|-----------------|-----------|
| 01            | 02                | 03         | 04                  | 05               | 06             | 07              | 08        |
| Name          | Construction      | Type       | Roof Rise (x in 12) | Roof Reflectance | Roof Emittance | Radiant Barrier | Cool Roof |
| Attic New ADU | Attic RoofNew ADU | Ventilated | 4.5                 | 0.1              | 0.85           | No              | No        |

| FENESTRATION / GLAZING |        |                |             |         |            |             |       |                         |          |                 |      |             |                  |
|------------------------|--------|----------------|-------------|---------|------------|-------------|-------|-------------------------|----------|-----------------|------|-------------|------------------|
| 01                     | 02     | 03             | 04          | 05      | 06         | 07          | 08    | 09                      | 10       | 11              | 12   | 13          | 14               |
| Name                   | Type   | Surface        | Orientation | Azimuth | Width (ft) | Height (ft) | Mult. | Area (ft <sup>2</sup> ) | U-factor | U-factor Source | SHGC | SHGC Source | Exterior Shading |
| Window W6              | Window | New Front Wall | Front       | 0       |            |             | 1     | 24                      | 0.3      | NFRC            | 0.23 | NFRC        | Bug Screen       |
| Window W1              | Window | New Front Wall | Front       | 0       |            |             | 1     | 12                      | 0.3      | NFRC            | 0.23 | NFRC        | Bug Screen       |
| Window W2              | Window | New Back Wall  | Back        | 180     |            |             | 1     | 24                      | 0.3      | NFRC            | 0.23 | NFRC        | Bug Screen       |
| Window W3              | Window | New Back Wall  | Back        | 180     |            |             | 1     | 3                       | 0.3      | NFRC            | 0.23 | NFRC        | Bug Screen       |
| Window W4              | Window | New Back Wall  | Back        | 180     |            |             | 1     | 12                      | 0.3      | NFRC            | 0.23 | NFRC        | Bug Screen       |
| Window W5              | Window | New Back Wall  | Back        | 180     |            |             | 1     | 12                      | 0.3      | NFRC            | 0.23 | NFRC        | Bug Screen       |

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| OPAQUE DOORS  |                  |                         |          |
|---------------|------------------|-------------------------|----------|
| 01            | 02               | 03                      | 04       |
| Name          | Side of Building | Area (ft <sup>2</sup> ) | U-factor |
| Front Door D1 | New Front Wall   | 20                      | 0.2      |

| OPAQUE SURFACE CONSTRUCTIONS |                        |                     |                     |                      |  |          |  |
|------------------------------|------------------------|---------------------|---------------------|----------------------|--|----------|--|
| 01                           | 02                     | 03                  | 04                  | 05                   | 06                                     | 07       | 08   |
| Construction Name            | Surface Type           | Construction Type   | Framing             | Total Cavity R-value | Interior / Exterior Continuous R-value | U-factor | Assembly Layers  |
| R-21 w/R-5 Wall              | Exterior Walls         | Wood Framed Wall    | 2x6 @ 16 in. O. C.  | R-21                 | None / 5                               | 0.048    | Inside Finish: Gypsum Board<br>Cavity / Frame: R-21 / 2x6<br>Sheathing / Insulation: R-5 Sheathing<br>Exterior Finish: 3 Coat Stucco                     |
| Attic RoofNew ADU            | Attic Roofs            | Wood Framed Ceiling | 2x4 @ 24 in. O. C.  | R-19                 | None / 0                               | 0.059    | Roofing: Light Roof (Asphalt Shingle)<br>Roof Deck: Wood<br>Siding/sheathing/decking<br>Cavity / Frame: R-13.0 / 2x4<br>Around Roof Joists: R-6.0 insul. |
| R-19 Floor Crawlspace        | Floors Over Crawlspace | Wood Framed Floor   | 2x10 @ 16 in. O. C. | R-19                 | None / None                            | 0.046    | Floor Surface: Carpeted<br>Floor Deck: Wood<br>Siding/sheathing/decking<br>Cavity / Frame: R-19 / 2x10   |
| R-38 w/R-19 B.R.D.           | Ceilings (below attic) | Wood Framed Ceiling | 2x4 @ 24 in. O. C.  | R-38                 | None / None                            | 0.025    | Over Ceiling Joists: R-28.9 insul.<br>Cavity / Frame: R-9.1 / 2x4<br>Inside Finish: Gypsum Board   |

| BUILDING ENVELOPE - HERS VERIFICATION |                                    |                               |       |       |
|---------------------------------------|------------------------------------|-------------------------------|-------|-------|
| 01                                    | 02                                 | 03                            | 04    | 05    |
| Quality Insulation Installation (QII) | High R-value Spray Foam Insulation | Building Envelope Air Leakage | CFM50 | CFM50 |
| Required                              | Not Required                       | N/A                           | n/a   | n/a   |

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| WATER HEATING SYSTEMS |                          |                   |                   |                 |                      |                      |                   |                       |
|-----------------------|--------------------------|-------------------|-------------------|-----------------|----------------------|----------------------|-------------------|-----------------------|
| 01                    | 02                       | 03                | 04                | 05              | 06                   | 07                   | 08                | 09                    |
| Name                  | System Type              | Distribution Type | Water Heater Name | Number of Units | Solar Heating System | Compact Distribution | HERS Verification | Water Heater Name (#) |
| DHW Sys 1             | Domestic Hot Water (DHW) | Standard          | DHW Heater 1      | 1               | n/a                  | None                 | n/a               | DHW Heater 1 (1)      |

| WATER HEATERS - NEEA HEAT PUMP |            |                 |                      |                      |               |                       |                        |
|--------------------------------|------------|-----------------|----------------------|----------------------|---------------|-----------------------|------------------------|
| 01                             | 02         | 03              | 04                   | 05                   | 06            | 07                    | 08                     |
| Name                           | # of Units | Tank Vol. (gal) | NEEA Heat Pump Brand | NEEA Heat Pump Model | Tank Location | Duct Inlet Air Source | Duct Outlet Air Source |
| DHW Heater 1                   | 1          | 50              | AOSmith              | AOSmithHPTU50        | Outside       | New ADU               | New ADU                |

| WATER HEATING - HERS VERIFICATION |                 |                 |                      |                           |                       |                                  |
|-----------------------------------|-----------------|-----------------|----------------------|---------------------------|-----------------------|----------------------------------|
| 01                                | 02              | 03              | 04                   | 05                        | 06                    | 07                               |
| Name                              | Pipe Insulation | Parallel Piping | Compact Distribution | Compact Distribution Type | Recirculation Control | Shower Drain Water Heat Recovery |
| DHW Sys 1 - 1/1                   | Not Required    | Not Required    | Not Required         | None                      | Not Required          | Not Required                     |

| SPACE CONDITIONING SYSTEMS |                           |                    |                         |                    |                         |          |                   |                          |
|----------------------------|---------------------------|--------------------|-------------------------|--------------------|-------------------------|----------|-------------------|--------------------------|
| 01                         | 02                        | 03                 | 04                      | 05                 | 06                      | 07       | 08                | 09                       |
| Name                       | System Type               | Heating Unit Name  | Heating Equipment Count | Cooling Unit Name  | Cooling Equipment Count | Fan Name | Distribution Name | Required Thermostat Type |
| New HVAC1                  | Heat pump heating cooling | Heat Pump System 1 | 1                       | Heat Pump System 1 | 1                       | n/a      | n/a               | Setback                  |

Registration Number: 423-P010110984A-000-000-0000000-0000

Registration Date/Time: 06/27/2023 14:22

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CA Building Energy Efficiency Standards - 2022 Residential Compliance

Report Version: 2022.0.000

Report Generated: 2023-06-26 12:00:14

Schema Version: rev 20220901

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**

**CF1R-PRF-01E**

**Project Name:** 2306-22-0336 Chula-Vista ADU -- 748 Long -- Reverse 2BR RF

**Calculation Date/Time:** 2023-06-26T11:59:35-07:00

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**Calculation Description:** Title 24 Analysis

**Input File Name:** 2306-22-0336 Chula-Vista ADU -- 748 Long -- Reverse 2BR RF.ribd22x

| HVAC - HEAT PUMPS  |                       |                 |                 |                    |        |        |                 |              |                  |                    |                 |                                |
|--------------------|-----------------------|-----------------|-----------------|--------------------|--------|--------|-----------------|--------------|------------------|--------------------|-----------------|--------------------------------|
| 01                 | 02                    | 03              | 04              | 05                 | 06     | 07     | 08              | 09           | 10               | 11                 | 12              | 13                             |
| Name               | System Type           | Number of Units | Heating         |                    |        |        | Cooling         |              |                  | Zonally Controlled | Compressor Type | HERS Verification              |
|                    |                       |                 | Efficiency Type | HSPF / HSPF2 / COP | Cap 47 | Cap 17 | Efficiency Type | SEER / SEER2 | EER / EER / CEER |                    |                 |                                |
| Heat Pump System 1 | Ductless MiniSplit HP | 1               | HSPF2           | 7.5                | 36000  | 24000  | EER2SEER2       | 14.3         | 11.7             | Not Zonal          | Single Speed    | Heat Pump System 1-hers-htpump |

| HVAC HEAT PUMPS - HERS VERIFICATION |                  |                |                   |                     |                             |                     |                         |                         |
|-------------------------------------|------------------|----------------|-------------------|---------------------|-----------------------------|---------------------|-------------------------|-------------------------|
| 01                                  | 02               | 03             | 04                | 05                  | 06                          | 07                  | 08                      | 09                      |
| Name                                | Verified Airflow | Airflow Target | Verified EER/EER2 | Verified SEER/SEER2 | Verified Refrigerant Charge | Verified HSPF/HSPF2 | Verified Heating Cap 47 | Verified Heating Cap 17 |
| Heat Pump System 1-hers-htpump      | Not Required     | 0              | Not Required      | Not Required        | No                          | No                  | Yes                     | Yes                     |

| INDOOR AIR QUALITY (IAQ) FANS |               |                      |              |                                |                                  |                                   |                   |        |
|-------------------------------|---------------|----------------------|--------------|--------------------------------|----------------------------------|-----------------------------------|-------------------|--------|
| 01                            | 02            | 03                   | 04           | 05                             | 06                               | 07                                | 08                | 09     |
| Dwelling Unit                 | Airflow (CFM) | Fan Efficacy (W/CFM) | IAQ Fan Type | Includes Heat/Energy Recovery? | IAQ Recovery Effectiveness - SRE | Includes Fault Indicator Display? | HERS Verification | Status |
| SFam IAQVentRpt               | 45            | 0.35                 | Exhaust      | No                             | n/a                              | No                                | Yes               |        |

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**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**

CF1R-PRF-01E

**Project Name:** 2306-22-0336 Chula-Vista ADU -- 748 Long -- Reverse 2BR RF**Calculation Date/Time:** 2023-06-26T11:59:35-07:00**(Page 11 of 11)****Calculation Description:** Title 24 Analysis**Input File Name:** 2306-22-0336 Chula-Vista ADU -- 748 Long -- Reverse 2BR RF.ribd22x

| <b>DOCUMENTATION AUTHOR'S DECLARATION STATEMENT</b>   |   |
|---|---|
| 1. I certify that this Certificate of Compliance documentation is accurate and complete.  |   |
| Documentation Author Name:<br>Kenneth Ponce   | Documentation Author Signature:<br><i>Kenneth Ponce</i> |
| Company:<br>So Cal Title 24   | Signature Date:<br>06/27/2023                           |
| Address:<br>8659 Red Oak Street, Suite I  | CEA/ HERS Certification Identification (If applicable): |
| City/State/Zip:<br>Rancho Cucamonga, CA 91730   | Phone:<br>909-257-7547                                  |
| <b>RESPONSIBLE PERSON'S DECLARATION STATEMENT</b>   |   |
| I certify the following under penalty of perjury, under the laws of the State of California:  |   |
| <ol style="list-style-type: none"> <li>I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design identified on this Certificate of Compliance.</li> <li>I certify that the energy features and performance specifications identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.</li> <li>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.</li> </ol> |   |
| Responsible Designer Name:<br>Mike Moore  | Responsible Designer Signature:<br><i>Mike Moore</i>    |
| Company:<br>Snap ADU  | Date Signed:<br>06/27/2023                              |
| Address:<br>PO Box 2685   | License:  |
| City/State/Zip:<br>Carlsbad, CA 92018   | Phone:<br>(760) 259-1985                                |

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.

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