

# APPENDIX A – SPECIAL FEATURES

## Measure, CF1R Documentation Requirement

### General

Battery System kWh, Special feature

Community Solar: kWdc of [utility and project name], Special feature

Controlled-Ventilation Crawlspace (CVC), Not yet implemented

PV System kWdc, Special feature

PV module type: Premium, Special feature

PV module type: Thin Film, Special feature

PV array type: Tracking (one axis), Special feature

PV array type: Tracking (two axis), Special feature

PV power electronics: Microinverters, Special feature

PV power electronics: DC power optimizers, Special feature

PV exception 1: Effective solar access < 80 ft<sup>2</sup>, Special feature

PV exception 2: Smaller of solar access and home area-based size (CZ 15 only), Special feature

PV exception 3: 2 habitable stories, Special feature

PV exception 4: 3 habitable stories, Special feature

PV exception 5: 80-200 ft<sup>2</sup> solar ready zone approved before 1/1/20, Special feature

PV exception 6: AB 178 Declared emergency area, Special feature

Self-utilization credit, Special feature

Zonal heating controls, Special feature

### Envelope

Insulation above roof deck, Special feature

Advanced wall framing (see opaque surface constructions), Special feature

Insulation below roof deck, Special feature

Building air leakage/reduced infiltration, HERS verification of reported ACH50 value

Ceiling has high level of insulation, Special feature

Cool roof, Special feature

Dynamic glazing, Not yet implemented

Exterior shading device, Not yet implemented

Exposed slab floor in conditioned zone, Special feature

Metal-framed assembly, Special feature

Window overhangs and sidefins, Special feature

Quality insulation installation (QII), HERS verification

High R-value Spray Foam Insulation, HERS verification

Raised heel truss (height above top plate), Special feature

Structurally insulated panel (SIP) assembly, Special feature

### **Mechanical**

Fan Efficacy Watts/CFM, HERS verification

Minimum Airflow, HERS verification

Central fan ventilation cooling, fixed speed, HERS verification

Central fan ventilation cooling, variable speed, HERS verification

Verified EER, HERS verification

Evaporatively-cooled condenser, HERS verification

Evaporative cooling, indirect, indirect/direct, Not yet implemented

Verified heat pump rated heating capacity, HERS verification

Verified HSPF, HERS verification

Verified SEER, HERS verification

Indoor air quality mechanical ventilation, HERS verification

Indoor air quality, balanced fan, Special feature

Kitchen range hood, HERS verification  
No cooling system installed, Special feature

Pre-cooling credit, Special feature

Verified Refrigerant Charge), HERS verification

Refrigerant charge verification required if a refrigerant containing component is altered,  
HERS verification

Whole house fan airflow and fan efficacy, HERS verification

Whole house fan, Special feature

### **Ducts**

Duct design specifies buried duct, HERS verification

Bypass duct conditions in zonal system(s), HERS verification

Duct design specifies deeply buried duct, HERS verification

Duct leakage testing, HERS verification

Ducts located entirely in conditioned space confirmed by duct leakage testing, HERS verification

Ducts in crawl space, Special feature

Duct sealing required if a duct system component, plenum, or air handling unit is altered, HERS verification

Ducts with high level of insulation, Special feature

Low leakage air handling unit, HERS verification

Verified low leakage ducts in conditioned space must meet maximum 25 cfm leakage to outside (RA3.1.4.3.8), HERS verification

New ductwork added is less than 40 ft. in length, Special feature

Non-standard duct leakage target, HERS verification

Non-standard duct location (any location other than attic), Special feature

Verified duct design (RA3.1.4.1.1), HERS verification

### **Water Heating**

Compact distribution system basic credit, Special feature

Compact distribution system expanded credit, HERS verification

Drain water heat recovery system, HERS verification

Multifamily: Drain water heat recovery system, HERS verification

Multifamily: Recirculating demand control, Special feature

Multifamily: No loops or recirc pump, Special feature

Multifamily: Recirculating with no control (continuous pumping), Special feature

Multifamily: Recirculating with temperature modulation, Special feature

Multifamily: Recirculating with temperature modulation and monitoring, Special feature

Solar water heating credit, Multi-family, Special feature

Central parallel piping, Special feature

Central parallel piping, HERS verification

Pipe Insulation, All Lines, HERS verification

Point of use, Special feature

Recirculating with demand control, occupancy/ motion sensor, Special feature

Recirculation, demand control occupancy/motion, HERS verification

Recirculating with demand control, push button, Special feature

Recirculation, demand control push button, HERS verification

Recirculating with non-demand control (continuous pumping), Special feature

Solar water heating credit, single family, Special feature

Northwest Energy Efficiency Alliance (NEEA) rated heat pump water heater; specific brand/model, or equivalent, must be installed, Special feature

**Additions/Alterations**

Verified existing conditions, HERS verification