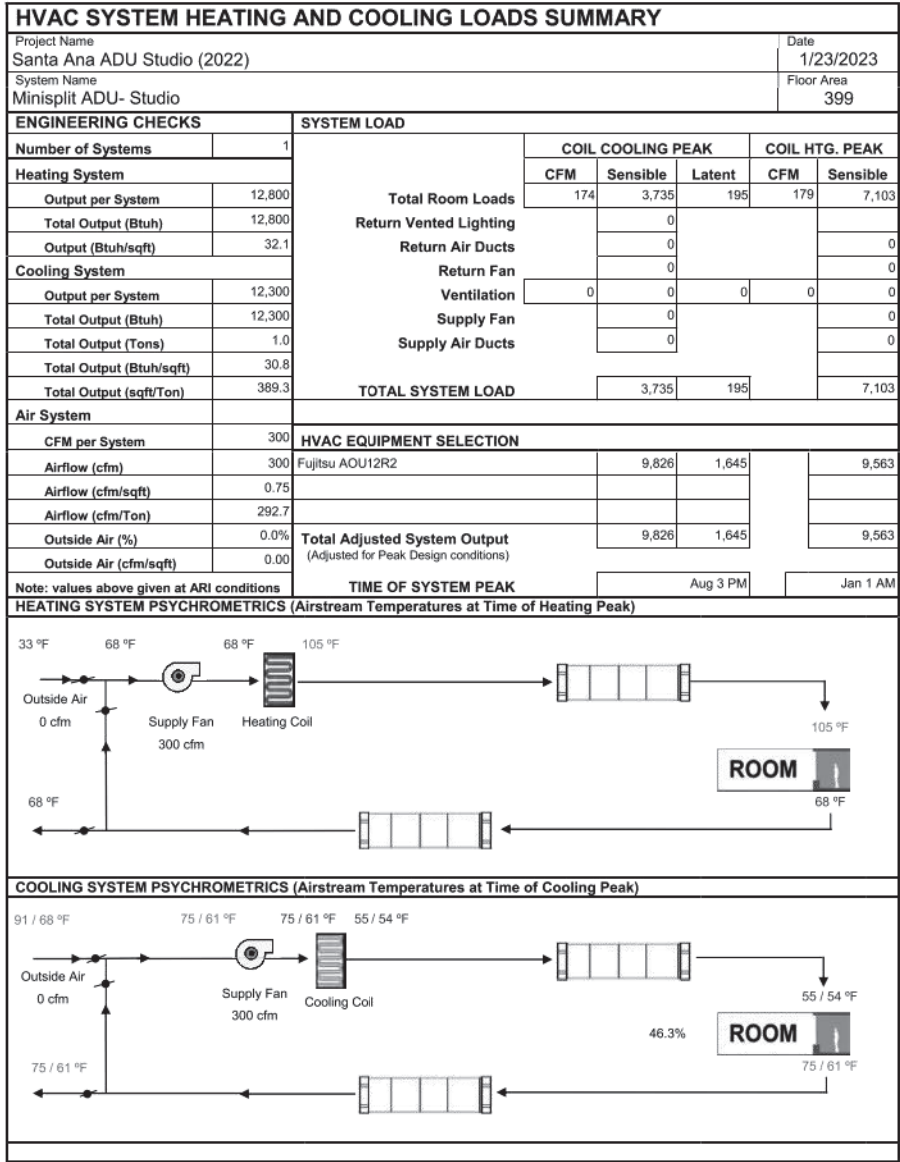


2022 Single-Family Residential Mandatory Requirements Summary	
§ 150.9(a)	Energy Storage System (ESS) Ready. All single-family residences must meet all of the following. Either ESS-ready interconnection equipment with backed up capacity of 60 amps or more and four or more ESS supplied branch circuits, <i>e.g.</i> a dedicated runways from the main service to a subpanel that supplies the branch circuits or § 150.9(c), at least four branch circuits must be identified and have their source collocated at a single panelboard suitable to be supplied by the ESS, with one circuit supplying the refrigerator, one lighting circuit near the primary exit, and one circuit supplying a sleeping room inescapable cubic, main panelboard must have a minimum number rating of 225 amps. Sufficient space must be reserved to allow future installation of a system isolation equipment/transfer switch within 7' of the main panelboard, with necessary transfer between the panelboard and the switch location to allow the connectivity of backfeed power source.
§ 150.9(b)	Heat Pump Space Heater Ready. Systems using gas or propane furnaces to serve individual dwelling units must include a dedicated undercabinet 240V branch circuit wiring installed within 3' of the furnace with circuit conductors rated at least 30 amps with the blank cover permanently marked as "For Future 240V use."
§ 150.9(c)	Electric Cooking Ready. Systems using gas or propane cooktops to serve individual dwelling units must include a dedicated undercabinet 240V branch circuit wiring installed within 3' of the cooktop with circuit conductors rated at least 30 amps with the blank cover identified as "For Future 240V use."
§ 150.9(d)	Electric Clothes Dryer Ready. Clothes dryer locations with gas or propane plumbing to serve individual dwelling units must include a dedicated undercabinet 240V branch circuit wiring installed within 3' of the dryer location with circuit conductors rated at least 30 amps with the blank cover identified as "For Future 240V use," and a reserved main electrical service panel space to allow for the installation of a double pole circuit breaker permanently marked as "For Future 240V use."

*Exceptions may apply.

Santa Ana Studio ADU (2022) CF1R & MF1R



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Energy
Calculations
Studio

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MAY 2023

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