



Clark County Building Department

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Division:	Engineering	Policy & Procedure:	BD-CI-230
Subject:	Single Family Residential Occupied Roof Design Live Load	Effective Date:	06/01/2022
Code:	2024 IBC 1607	Revised Date:	03/19/2026

A. CODE REQUIREMENT

For occupancies or uses not designated in Table 1607.1, the live load shall be determined in accordance with a method approved by the building official.

B. INTERPRETATION

Occupied roofs of a single-family residence shall use a minimum design live load of 60 psf.

A. RATIONALE

1. Table 1607.1 requires a floor live load of 1.5 times the live load for the area served for balconies and decks. Table 1607.1 does not provide a live load for a residential occupied roof. Live loads are based on the use and occupancy of an area. The area served for a residential occupied roof would have a design floor live load of 40 psf. This would make the design live load for a residential balcony or deck 60 psf. A residential occupied roof would be used in a manner similar to a deck or balcony, therefore the design live load should be the same.

Prepared By: Engineering Division

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Revision History:

Title	Revision/Approved Date	Effective Date
Single Family Residential Occupied Roof Design Live Load BD-CI-230	NEW	06/01/2022
Single Family Residential Occupied Roof Design Live Load BD-CI-230	03/19/2026	

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