

CRR POLICY 1330: DETERMINING GROSS SQUARE FOOTAGE FOR NFPA 13D FIRE SPRINKLER SYSTEMS



Created: November 19, 2019 Revised: February 3, 2021 Effective Date: Immediate
Community Risk Reduction Division – 928-204-8926

This policy is promulgated in accordance with Section 104.1 of the 2012 International Fire Code (IFC) and is an official interpretation of Section 903.3 of the IFC 2012 edition as adopted by Sedona Fire District and Approved by the State of Arizona.

The following shall apply to the “Gross Square Footage” calculations when determining whether the installation of an NFPA 13D fire sprinkler system is required.

Section 903.3 of the fire code as adopted by Sedona Fire District dictates when an NFPA 13D automatic fire sprinkler system is required in 1 and 2 family dwellings. Sprinklers shall be required when any one of multiple conditions are met. Condition #1 states; Section 903.3 of the fire code states that sprinklers shall be required when;

The building has a gross floor area greater than 3,600 square feet (344.5 m2)

The definition of Gross Floor Area as defined by the International Building Code 2006 edition shall be used to determine Gross Floor Area.

[IBC 1002.1 Definitions] Floor Area, Gross: The floor area within the inside perimeter of the exterior walls of the building under consideration, exclusive of vent shafts and courts, without deductions for corridors, stairways, closets, the thickness of interior walls, columns or other features. The floor area of a building or portion thereof, not provided with surrounding exterior walls shall be useable area under the horizontal projection of the roof or floor above. The gross floor area shall not include shafts with no openings or interior courts.

Any comments or questions regarding the above information may be submitted to:
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