

# Photovoltaic panels on the roof of San Marino No 1 Middle School





#### **Overview**

Does a solar PV system need a fire/roof classification?

4.1.2 Solar PV systems installed on grade: Solar PV panels that are part of a stand-alone, ground- mounted solar PV panel structure, with no use and no potential use underneath are generally considered equipment and therefore the fire/roof classification requirements would not apply.

Does Project Sunroof have solar data?

We currently have solar data for portions of 50 states and Washington DC. See if we've got you covered. Project Sunroof is a solar calculator from Google that helps you map your roof's solar savings potential. Learn more, get an estimate and connect with providers.

What if a roof is not covered by solar PV panels?

Roof surfaces not covered by solar PV panels shall be designed for the roof live load (CBC Section 1607). The building official may determine that live load need not be considered for solar PV panels and associated supporting members that are built on grade.

Can solar PV panels be used as roofing?

4.1.1.2 Solar PV panels used as roofing on an independent (stand-alone) structure: Solar PV panels/modules that are designed to be on the roof and span to structural supports, and have a use or occupancy underneath, shall comply with the minimum fire/roof classification requirements for roof covering as required by CRC Section R902.4.

Can solar panels be installed on a roof?

For installation of conventional (not BIPV) solar PV panels on existing roofs, roof live load is not imposed where PV panels occur, provided the clear distance under the panels to top of the roof is less than 42" and provided the roof design is adequate for the concentrated loads from the solar PV panel



support frames.

What are the requirements for a solar photovoltaic (PV) panel?

4.6.1 Solar photovoltaic (PV) panels supported by framing that have sufficient uniformly distributed and unobstructed openings throughout the top of the array (horizontal plane) to allow heat and gases to escape, as determined by the enforcing agency, are generally not subject to this requirement (CBC Section 903.3.3).



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