

VEGETATIVE ROOF

An assembly of interacting components designed to waterproof and normally insulate a building's top surface that includes, by design, vegetation and related landscape elements.



2015 IBC Significant Changes

45

1607.12.5 Photovoltaic Panel Systems

CHANGE TYPE: Addition

Design requirements for roof structures supporting photovoltaic (PV) solar panels and modules have been added to Section 1607.



2015 IBC Significant Changes

46

1607.12.5.1 Roof Live Load

CHANGE TYPE: Addition

- Live load is developed assuming the panels or modules are not present.
- Roof live load is in addition to PV dead load unless the area beneath the panel is inaccessible.



2015 IBC Significant Changes

47

1607.12.5.2 Photovoltaic Panels or Modules

CHANGE TYPE: Addition

The roof must be designed to carry PV panel loads including concentrated loads and snow drift loads where applicable.



2015 IBC Significant Changes

48

1607.12.5.3 Photovoltaic Panels or Modules Installed as an Independent Structure

CHANGE TYPE: Addition

PV panels with no accessible space do not require a live load if the area under the structure is restricted – no public access.



2015 IBC Significant Changes

49

1607.12.5.3 Photovoltaic Panels or Modules Installed as an Independent Structure

CHANGE TYPE: Addition

PV panels designed to be the roof must have panels or modules and supporting structures designed to support a roof photovoltaic live load



2015 IBC Significant Changes

50