

Roof-Mounted Solar Photovoltaic Permitting Process

Residential Checklist

Required Materials

- [City of Eden Prairie Building Permit](#) [PDF]
- Two sets of building plans as supplemental information that meet the following requirements:
 - Structural/connections
 - Flashing detail
 - Roof array layout
- Residential solar PV installations must comply with the general building requirements and the residential building requirements.
- [State of Minnesota Electrical Permit](#)

Residential Solar PV Building Requirements

Solar PV systems on residential units shall be installed in accordance to the Minnesota Building Code:

- Residential buildings with hip roof layouts must have the installed panels or modules located in a way that provides a 3-foot-wide clear access pathway from the eave to the ridge on each roof slope where the panels or modules are located
- Residential buildings with a single ridge must have the installed panels or modules located in a way that provides two 3-foot-wide clear access pathways from the eave to the ridge on each roof slope where panels or modules are located
- Residential buildings with roof hips and valleys must have the installed panels or modules located no closer than 18 inches to a hip or valley where panels or modules will be placed on both sides of a hip or valley; if panels will only be located on one side of a hip or valley that is of equal length, panels are permitted to be placed directly adjacent to the hip or valley
- To comply with smoke ventilation requirements, panels or modules installed on residential buildings must be located no higher than 3 feet below the ridge to allow for fire department smoke ventilation operations.