



PHOTOVOLTAIC INSTALLATION GUIDELINES

www.LasVegasNevada.gov/BuildingPermits

Phone: (702) 229-6251

Requirements

1. Completed Commercial or Residential Application
2. Site Plan showing location of major components on the property. This drawing need not be exactly to scale, but it should represent relative location of components at site. PV arrays on dwellings with a 3' perimeter space at ridge and sides may not need separate fire service review.
3. Electrical Plan and calculations for photovoltaic system and if added Energy Storage System (ESS). Electrical diagram showing PV array configuration, wiring system, overcurrent protection, inverter, disconnects, required signs, and ac connection to building
4. Structural design plans and calculations for anchorage digitally signed by a Nevada Licensed Engineer for Commercial permits and if a Ballast Type system is used.
5. Specification sheets and installation manuals (if available) for all manufactured components including, but not limited to, PV modules, inverter(s), combiner box, disconnects, and mounting system.

MARKING

Markings on all interior and exterior DC conduit, raceways, enclosures, cable assemblies, and junction boxes are required alerts to avoid Fire Services from cutting them. Placements are required every 10 feet, at turns, above and/or below penetrations, DC combiner and junction boxes.

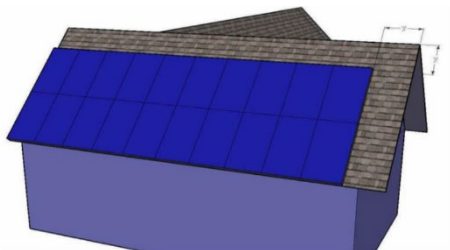
1.2.1 Marking Content and Format

MARKING CONTENT: CAUTION SOLAR CIRCUIT RED BACKGROUND, WHITE LETTERING, MIN 3/8" LETTER HEIGHT ALL CAPITAL LETTERS. ARIAL OR SIMILAR FONT, NON-BOLD REFLECTIVE, WEATHER RESISTANT MATERIAL SUITABLE FOR THE ENVIRONMENT (DURABLE ADHESIVE MATERIALS MEET THIS REQUIREMENT)

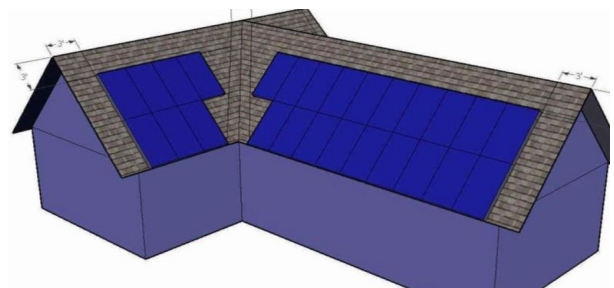
CAUTION: SOLAR CIRCUIT

ROOF ACCESS:

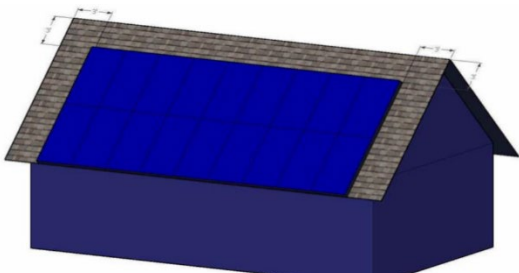
**Example 1:
Cross Cable Roof**



**Example 2:
Cross Gable with Valley**



Example #3: Full Gable Roof



Example #4: Full Hip Roof

