

Roof/Ground Mounted System Handout

An electrical permit is required for PV system(s)

Note:

1. A licensed electrician registered with the City of Kennedale must obtain any necessary electrical permits.

FEES:

1. An electrical permit fee is \$55.00
2. Other fees as applicable based on the City of Kennedale permit fee schedule available on the city web site @ www.cityofkennedale.com.
3. Turn-around time for plan review and approval of permits for solar panels is 3 business days
4. Once plans are approved and permit is issued, an inspection can be scheduled.

SUBMITTAL REQUIREMENTS: Submit sufficient information to deem compliance with the adopted 2015 International Building Code/International Residential Code and applicable ordinances. Additional information may be requested to determine compliance.

- A letter from the Texas Licensed Professional Engineer will be required stating that the roof will support the proposed panels. Also, the letter must include any recommended modification needed to roof structure along panel support and bracing systems.
- Solar Collectors and other system components are required to be listed and labeled by an approved national recognized agency. Provide data specification sheet for PV system and its components.

SCALED AND DIMENSIONED PLANS WHICH INCLUDES:

- A. A site plan to scale showing location of major components on the property.
- B. Electrical line diagram of the electrical equipment prepared by a Texas Licensed Professional Engineer of the PV array configuration showing, wiring system, overcurrent protection, grounding, inverter, disconnects, required signs, ac connection to building, and size and location of electrical panel. Include PV system equipment make, model and size of units.
- C. Specification sheets, listings and installation manuals (instructions) for all manufactured components including, but not limited to, PV modules, inverter(s), combiner box, disconnects, and mounting system.
- D. A roof plan, side elevations of collectors and mounting details. Also, note compliance with local wing loading requirements 90 MPH (3-sec-gus/75 fastest mile).
- E. Additional information required on plans,
 - a. Weight of the arrays (pounds per square foot- including mounting hardware)
 - b. Describe and show the roof structural elements, including:
 1. Rafter size, span, spacing
 2. Roof sheathing
 3. Provide additional structural calculations and/or engineer's verification of load capacity of the roof structure.



Permits & Planning Department
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- c. Identify roofing type (e.g. comp shingle, shake, light weight tile, etc.) and pitch.
- d. Provide details of PV panel mounting hardware attachment to the roof framing members.

Note:

1. Local planning and zoning regulations involving such requirements as setback, height limitations, color, reflectivity or other design considerations, may apply.