



**COMMUNITY AND ECONOMIC  
DEVELOPMENT DEPARTMENT  
Building and Safety Division**

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*Equal Opportunity Employer*

## **RESIDENTIAL SOLAR REQUIREMENTS**

### **ROOF MOUNT SOLAR SYSTEMS**

- \*SITE PLAN
- \*ROOF LAYOUT
- \*LOCATION OF PANELS & FIRE SETBACKS
- \*ELECTRICAL LINE DRAWINGS
- \*STRUCTURAL ANALYSIS
- \* PANEL DETAILING
- \* MOUNTING SPECS
- \* INSTALLATION INSTRUCTIONS
- \*TRENCHING DETAIL IF APPLICABLE

### **GROUND MOUNT SOLAR SYSTEMS:**

- \* SITE PLAN
- \* WELL/SEPTIC LOCATION MUST BE LOCATED
- \* PROPERTY SETBACKS MUST BE INDICATED
- \* GROUND MOUNT DETAIL
- \* FOOTINGS DETAILS
- \* ELECTRICAL LINE DRAWINGS
- \* STRUCTURAL ANALYSIS
- \* PANEL DETAILING
- \* MOUNTING SPECS
- \* INSTALLATION INSTRUCTIONS
- \* TRENCHING DETAIL IF APPLICABLE

**ALL PLANS MUST INDICATE CURRENT BUILDING CODES (2019 CBC), EXPOSURE CATEGORY "C", ATTACHMENT RAIL SPAN CHART, A MINIMUM WIND SPEED OF WHAT IS APPROPRIATE FOR MERCED COUNTY.**

**ALL RESIDENTIAL PLANS MUST BE SUBMITTED WITH A SIGNED AND DATED SOLAR CONTRACT WITH LEGAL PROPERTY OWNER (NOT REQUIRED FOR OWNER/BUILDER PERMITS)**

**ALL SUBMITTALS MUST BE ON 11X17 PAPER OR SMALL (2 COMPLETE SETS OF PLANS) OR PDF FILE ON CD/FLASHDRIVE.**

**\*\*ALL AG/COMMERCIAL PROJECTS MUST INCLUDE A SOILS REPORT & MUST BE STAMPED BY AN ENGINEER &/OR ARCHITECT\*\***