



# **SOLAR WATER HEATING**

**PERMIT SUBMITTAL  
REQUIREMENTS**

**Handout  
240**

**REV 07/19**

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## **ADOPTED CODES (with City Amendments per Ordinance 2019-12)**

**2018 International Building Code (IBC)  
2018 International Residential Code (IRC)  
2018 International Plumbing Code (IPC)  
2018 International Fuel & Gas Code (IFGC)  
2018 International Mechanical Code (IMC)  
2018 International Energy Conservation Code (IECC)  
2018 International Property Maintenance Code (IPMC)  
2017 National Electric Code (NEC)  
2010 Americans with Disabilities Act Accessible Guidelines (ADAAG)  
2018 International Fire Code (IFC)**

**Current Peoria Zoning Ordinances**

## **Development & Engineering Department Building Development**

9875 N. 85<sup>th</sup> Avenue  
Peoria, Arizona 85345  
623-773-7225 (FAX: 623-773-7245)  
[building.applications@peoriaaz.gov](mailto:building.applications@peoriaaz.gov)

[www.peoriaaz.gov/development](http://www.peoriaaz.gov/development)

# PERMIT SUBMITTAL REQUIREMENTS

## Solar Water Heating Systems

In an effort to promote uniformity under the purview of life safety, the following submittal requirements are required for securing necessary building permits for solar water heating systems:

1. By signing the permit application, installer verifies that they have visually inspected trusses for pre-existing damage. If damage is noted, repair requirements designed by a structural engineer must be submitted with the solar water heating application.
2. Complete Solar Permit Application (400S) and submit with two (2) sets of plans and all supporting documentation.
3. Location of thermal collector installation indicated on roof plans. Truss structural engineering analysis shall not be required for thermal collectors whose weight does not exceed 5 lbs. per square foot and/or point loads do not exceed 40 lbs. Solar thermal collector weight shall include the weight of the working fluid inside the collector. If either amount exceeds these values a structural analysis will be required. Structural engineering will be required for any trusses constructed with less than 2x4 dimensional lumber.
4. Note on plans that Solar Domestic Water Heating equipment shall be installed in accordance with applicable plumbing codes and in accordance with SRCC Guidelines.
5. Plumbing plan review is required for solar water systems for multi-family, commercial and industrial installations.
6. If a thermal storage tank is to be installed on the roof, a structural review of the roof trusses must be completed by a registered Arizona engineer and that review must be submitted with the application.
7. Provide mounting details for thermal installation. Show locations of points of attachment and pounds per point load on plan.
8. Provide cut sheet for solar thermal panels and racking.
9. Solar water heating submittals, if all required documents are properly completed and submitted, will be expedited with a guaranteed first submittal turnaround time of 5 business days.