



SOLAR WATER HEATER SYSTEM SUBMITTAL CHECKLIST

Plans are not required to be engineered unless it is deemed necessary

- Site plan
- Provide the location of all solar water heating components
- Floodplain approval (if applicable)
- New electrical circuit requires a 3 line electrical diagram. Use of an existing circuit must be noted on plans along with the wire and breaker size.
- Plumbing diagram including backflow prevention (if required)
- Cut sheet and listing for solar panel
- Cut sheet and listing for water heater and other system components
- Construction and installation information for module support

Solar panels mounted on roof: (for panels mounted elsewhere, contact office for submittal requirements)

- Signed waiver for installation on an existing building
- Roof information (mfg trusses, rafter sizes & spacing)
- Weight of array in psf including mounting hardware (structural engineering may be required when the additional load exceeds 5 psf or unique circumstances deem it necessary)
- Approximate age of building
- Roofing type (shingle, wood shake)
- Detail of module support attachment to roof framing members
- Method of sealing roof penetrations

These are minimum submittal requirements. Additional documentation may be required as necessary. Installations must comply with 2003 IRC Chapter 23 (Solar Systems) and section P2902.4.5 (Backflow Prevention) or 2003 IMC Chapter 14 (Solar Systems), 2006 IPC section 608.16.3 (Heat exchangers) and manufacturer's requirements.

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