
**CHECKLIST #0473 FOR THE COMPONENT APPROVAL OF:
Solar Mounts**

- ❑ Basic Requirements Checklist.
- ❑ One set of signed, dated and sealed approval or installation drawings on 11"x17" sheets including the following:
 - a) Details, cross sections and isometrics of solar mounts.
 - b) Flashing details that include and identify all components required to prevent moisture infiltration and maintain a watertight condition.
 - c) Screws/bolts' allowable withdrawal (tension) and lateral withdrawals (shear parallel and perpendicular to wood grain) values in lbf.
 - d) Components, including screws/bolts, full description.
 - e) Screw/bolt head marks detail.
 - f) Dimensions, including thicknesses and diameters, of components, including wood members.
 - g) Components' type of material with steel minimum yield and ultimate strengths or aluminum alloy and temper.
 - h) Corrosion protection and coatings.
 - i) Wood screws/bolts penetration, minimum edge and end distances.
 - j) Wood specific gravities.
 - k) Installation instructions, general and limitation notes.

The following current laboratory tests and test reports in compliance with protocol TAS 301.

- ❑ At least three (3) specimens or samples of each solar mount need to be tested for Standard Specification for Testing and Establishing Allowable Loads of Joist Hangers per **ASTM D7147** (FBC 2303.5). Test reports need to include pictures of the tested specimens.
- ❑ Each solar mount needs to be tested for Test Procedure for Wind Driven Rain Resistance per FBC, **TAS 100(A)-95**.
- ❑ Carbon steel components, not galvanized to G-90 need to be tested for corrosion resistance per **ASTM G85**, Annex 5, 180 cycles as detailed on the FBC, **TAS 114**, Appendix E, Section 2. Stainless steel and aluminum are exempt from this requirement.

Notes:

1. Electrical components and installation is not part of this component approval; it is to be reviewed by AHJ (Authority Having Jurisdiction).
2. Solar panel system's structural performance is not part of this component approval; it is to be reviewed by AHJ.

