



Division of Building Safety
201 S. Rosalind Ave
P.O. Box 2687, Orlando, FL 32802-2687

MINIMUM SOLAR SUBMITTAL CHECKLIST

Solar Photovoltaic Systems

Is this the right Building Division?

- Yes, if a records search of the Property Appraiser's website www.ocpaf.org says "Un-Incorporated" under Municipality when the house's address is entered.

What type of permit is required?

"S" – Sun Permits are exclusive to Residential roof-top only.

All ground mount systems shall begin as a Building permit. After approval of the Building permit an Electrical Sub-permit will be required for the electrical work of the ground mount system.

All Commercial systems shall begin as a Building permit. After approval of the Building permit an Electrical Sub-permit will be required for the electrical work of the solar system.

All permitting in Orange County is done electronically through our Fast Track website. This link will take you the site; <https://fasttrack.ocfl.net/OnlineServices/> there is video instruction on site and written information in the user guide.

Who can obtain the permit?

- Electrical Contractors (EC,ER)
- Solar Contractors (CVC)
 - Note: if a Solar Contractor obtains the Sun permit for the photovoltaic system, an Electrical Contractor is required to make the interconnection of the photovoltaic system to the electrical system.
- Please email ContractorLicensing@ocfl.net for details regarding licensing information required.

What codes are applicable?

- Florida Building Code, (2023), Residential, 8th Edition, viewable online at www.floridabuilding.org
- 2020 National Electrical Code

What are the Structural plan requirements?

- Details signed and sealed by a Florida Engineer showing how the panels are attached to the roof.
- Structural plans must note and/or show including but not limited, Building code edition and applicable sections. All roof-top installations shall comply with section 324 of the 2023 Florida Building Code, Residential, 8th Edition.
- Wind speed
 - Search “ATC Wind Speed by Location”
- Exposure, Risk Category, and Minimum design loads
- Roof height and slope, roof covering
- Roof plan showing module location, Support rail and module dimensions, weights, materials, and methods of attachment (may be supplemented by product cut sheets) Support rail and module dimensions, weights, materials, and methods of attachment (may be supplemented by product cut sheets)
- Fastener type, material, diameter, length, and spacing (may be supplemented by product cut sheets)
- Penetration flashing and waterproofing as applicable (may be supplemented by product cut sheets)

What are the Electrical plan requirements?

Plans certified by FSEC, (Florida Solar Energy Center) or in lieu of FSEC, certified by a Florida licensed engineer.

- System description and operation; including but not limited to; whether the system is: Stand-alone, or non-grid connected system, Utility interactive, Battery backup, Fossil generator included in system.
- Site plan showing locations of all new equipment and existing service equipment.
- Riser diagram showing how the new PV system ties into existing service.
- Electrical schematic diagram showing; PV array configuration, Wire sizes and types, Junction boxes, Disconnects, Overcurrent protection, Grounding, required signs, AC connection to building.
- Electrical calculations showing including but not limited to; Wire sizing has been determined with proper ampacity, Temperature derating, Conduit fills, derating, Voltage drop for all DC and AC conductors, Ambient temperature effects on PV array output, Sizes of disconnects and overcurrent protection, Input and output current, Voltage, and power specifications for all major pieces of equipment.
- Specification sheets and installation manuals for all manufactured components, including but not limited to; PV modules, Inverters, Combiner box, Disconnect, Mounting system.

How much will the permit cost?

- The permit fee will be based on the total cost for all materials, labor, and fixtures installed.
- To view our Fee Schedule, on our website www.ocfl.net type “Orange County Fee Directory” in the search box and click the magnifying glass. Then see Section 3.

Can payment be made online?

- Yes, by credit card or escrow account with Fast Track.

How can the Notice of Commencement be recorded?

- For the Building Division to assist, email OrangeNOC@ocfl.net for instructions.

What inspections are required?

- Electrical Rough and
- Electrical Final
 - See the back of the Inspection Record card for inspection code numbers.

How can inspections be scheduled?

- Online: <https://fasttrack.ocfl.net/OnlineServices/default.aspx>
- By phone: 407-836-5550

What if the plans change during construction/after the permit is issued?

- Submit revised plans and supporting documentation electronically.
 - Structural plans must be signed and sealed as applicable. Electrical plans must be FSEC approved or in lieu of FSEC, certified by a Florida licensed engineer.
 - A revision request form (downloadable from our website) or letter must accompany the plans. [Revision Request Sheet](#)
 - The Revision must be approved by plan review.

How can I see plan review status or inspection results?

Plan review status, inspection results, and other permit information can be viewed on our Fast Track website at the link below. Click on Building permits and input the Electrical permit number. Everything in blue is a hyperlink to more information.

https://fasttrack.ocfl.net/OnlineServices/Permit_Building.aspx