



CITY OF MARGATE, FLORIDA BUILDING DEPARTMENT

MINIMUM PERMIT REQUIREMENTS FOR SOLAR PANELS

- **PERMIT APPLICATION(S) COMPLETELY FILLED OUT SIGNED AND NOTARIZED**
- **HOMEOWNERS ASSOCIATION NOTIFICATION FORM SIGNED BY OWNER**
- **DOCUMENTED PROOF OF COST; CONTRACT ETC:**

THE FOLLOWING DOCUMENTS MUST BE SUBMITTED IN DUPLICATE

- **NOTICE OF COMMENCEMENT FOR WORK IN EXCESS OF \$ 2,500.00**
- **SIGNED AND SEALED DRAWINGS AND DESIGN CALCULATIONS**
- **FLASHING DETAILS FOR ROOF PENETRATIONS**
- **ALL DOCUMENTS OUTLINED IN THE GUIDELINES FOR SOLAR PERMITTING**
- **OWNERS NOTIFICATION SIGNED BY THE OWNER AND CONTRACTOR**

**THE PERMIT APPLICATION WILL NOT BE ACCEPTED WITHOUT THE ABOVE MINIMUM DOCUMENTATION
OTHER DOCUMENTS MAY BE REQUIRED DEPENDING UPON THE JOB CONDITIONS**

GUIDE LINES FOR SOLAR PERMITTING

Required permits shall only be issued to Certified Electric and Plumbing Contractors. Solar Contractors may obtain permits for residential installations only.

SOLAR THERMAL INSTALLATION

1. Water Heaters, Swimming Pool Heater Installations.

PERMITS

- Primary Permit Plumbing
- Secondary Permit Structural

INSPECTIONS

- Structural Progress and Final
- Plumbing Final

SOLAR ELECTRIC INSTALLATION

2. Electric PV panels

PERMITS

- Primary Permit Electric
- Secondary Permit Structural

INSPECTIONS

- Structural Progress and Final
- Electric Progress and Final

HYBRID INSTALLATION

3. PV Panels system combined with integral solar water systems

PERMITS

- Primary Permit Structural
- Secondary Permit Electric
- Secondary Permit Plumbing

INSPECTIONS

- Structural Progress and Final
- Electric Progress and Final
- Plumbing Final

General Requirements	Submittal Requirements	F.S./CODE SECTION
1. Permit Application		FBCB 105.3 BCAP 105.3
2. Building/Equipment Layout Plan		FBCB 106 BCAP 106
3. Structural Design <ul style="list-style-type: none"> Photovoltaic Roof Mounted Panels and Solar Equipment 	Submit signed and sealed drawing and design calculations by Licensed Professional Engineer or Registered Architect showing: <ul style="list-style-type: none"> Documentation/verification exposed solar panel equipment meet win loads Documentation/verification support framing meets both uplift and lateral forces Design of connections for the wind loads Documentation/verification structural supports will accommodate additional dead loads 	FBCR 4402.11.2 FBCEB 404 FBCR 4403.1.2 FBCEB 707 FBCR 4403.7.8 FBCR 4403.9.1 FBCR 4403.9.2 FBCR 4403.9.3 FBCR 4403.10
4. Roof Design		FBCE 611 REFERENCE SEC. 1512-1525 FBC)
<ul style="list-style-type: none"> Building Integrated Photovoltaic (BIPV) 	Submit a detail of the roof penetration flashing	FBCR 4402.1.3 FBCB 1512.3 FBCR 4402.1.2.1 FBCB 1512.2.1 FBCR 4402.5.2 FBCB 1516.2
<ul style="list-style-type: none"> Photovoltaic Roof Mounted Panel 	Submit a detail of the roof penetration flashing Submit clearance requirements	FBCR 4402.3 FBCB 1514 FBCR 4402.11.3.1 FBCB 1522.3.1
<ul style="list-style-type: none"> Solar Thermal 	Submit a detail of the roof penetration flashing Submit clearance requirements	FBCR 4402.3 FBCB 1514 FBCR 4402.11.3.1 FBCB 1522.3.1
5. System Components		
<ul style="list-style-type: none"> Solar Water Heater 	Submit FSEC Approval/Listing and System Reference Drawing	FBCB 101 FBCR N 1112 BCAP 101
<ul style="list-style-type: none"> Solar Water Heater using a PV powered pump 	Submit listing for PV panel and pump	NEC ARTICLE 690
<ul style="list-style-type: none"> Solar Swimming Pool Water Heater 	Manufactures selected system installation manual/detail and system specifications Submit FSEC Approval/Listing and System Reference Drawing	FBCB 106 BCAP 106 FBCB 101 F.S. 377.705 BCAP 101
<ul style="list-style-type: none"> Photovoltaic System Electric engineer requirements 	Plans must be signed and sealed by a Professional Engineer if: <ol style="list-style-type: none"> The system has a value of more than \$ 50,000.00 or The system has and aggregate service capacity of 600 amperes (240 volts) or more for a residential electric system or The system has an aggregate service capacity of 800 amperes (240 volts or more for a commercial or electric system 	F.S. 471.003(h)
<ul style="list-style-type: none"> Statutory Requirement 	FSEC will generate a System Certification Approval Form	F.S.377.705
<ul style="list-style-type: none"> Electrical Diagram 	Submit electrical diagram designed in accordance to the National Electric Code Article 690 for Solar Photovoltaic Systems, in its entirety.	NEC ARTICLE 690
<ul style="list-style-type: none"> Component Documentation 	<ul style="list-style-type: none"> FSEC Certification 	F.S. 377.705 NEC 110.3(b)
Abbreviations	<ul style="list-style-type: none"> BCAP - Broward County Administrative Provisions FBCB - Florida Building Code, Building Volume FBCEB - Florida Building Code, Existing Building Volume FBCR - Florida Building Code, Residential Volume FS - Florida Statute FESC – Florida Solar Energy Center NEC – National Electric Code 	



OWNERS NOTIFICATION

“Installation of roof mounted photovoltaic or solar support systems typically require roof system penetrations to allow attachment to the structure which create additional long term roof system maintenance requirements and/or jeopardize roof system manufacture’s warranties. Roof mounted solar systems generally require removal and reinstallation of solar panels/arrays in order to perform routine roof system maintenance, repair or replacement.”

OWNER

CONTRACTOR

PRINT NAME

PRINT NAME

SIGNATURE

SIGNATURE

DATE

DATE