

## **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

901 NW 66TH AVENUE, MARGATE, FL. 33063-3699 TELEPHONE 954-970-3004; FACSIMILE 954-970-3412

## **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**

- **Photovoltaic Roof**

### **Mounted Panels and**

### **Solar Equipment**

Submit signed and sealed drawing and design

calculations by Licensed Professional Engineer or Registered Architect showing:

- Documentation/verification exposed solar panel equipment meet wind 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)

• **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

• **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

• **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**

• **Solar Water Heater** Submit FSEC Approval/Listing and System

Reference Drawing

FBCB 101 FBCR N 1112

BCAP 101

• **Solar Water Heater using**

**a PV powered pump**

Submit listing for PV panel and pump NEC ARTICLE 690

• **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

• **Photovoltaic System**

• **Electric engineer**

**requirements**

Plans must be signed and sealed by a Professional Engineer if:

1. The system has a value of more than \$ 50,000.00 or
2. The system has and aggregate service capacity of 600 amperes (240 volts) or more for a residential electric system or
3. 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)

• **Statutory Requirement** FSEC will generate a System Certification Approval Form

F.S.377.705

• **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

• **Component Documentation**

• FSEC Certification F.S. 377.705 **NEC 110.3(b)**

**Abbreviations** • 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

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## **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