

**UNIFORM PERMIT SUBMITTAL MATRIX for
SOLAR THERMAL AND SOLAR ELECTRIC INSTALLATIONS in
THE HIGH-VELOCITY HURRICANE ZONE FBC 8th Edition (2023)**

General Requirement	Submittal Requirements	F.S./Code Section
1. Permit Application		FBCB 105.3
2. Building/Equipment Layout Plan		FBCB 107
3. Structural Design		
<ul style="list-style-type: none"> Photovoltaic Roof Mounted Panel & Solar Thermal Equipment 	Submit signed and sealed drawings & design calculations by a licensed Professional Engineer or Registered Architect showing: <ul style="list-style-type: none"> Documentation/verification that exposed solar panel equipment meets 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. 	FBCB 1522.2 FBCB 1616.1.2 FBCB 1605 FBCB 1620.1 FBCB 1620.2 FBCB 1620.3 FBCB 1621 FBCEB 706 Note: Dead load compliance with the Exception contained in the FBCEB Section 706.1.1 may be demonstrated by Providing the Dead Load criteria from the original plans.
4. Roof Design		
<ul style="list-style-type: none"> Building Integrated Photovoltaic (BIPV) 	Submit a Uniform HVHZ Permit Application.	FBCB 1512.3 FBCB 1512.2.1 FBCB 1516.2 FBCB 1525
<ul style="list-style-type: none"> Photovoltaic Roof Mounted Panel 	Submit details of the roof penetration flashing.	FBCB 1514
<ul style="list-style-type: none"> Solar Thermal 	Submit details of the roof penetration flashing.	FBCB 1514
5. System Components		
<ul style="list-style-type: none"> Solar Water Heater 	Submit FSEC Approval/Listing and System Reference Drawing.	FBCB 107 FBCEC R403.4.3
<ul style="list-style-type: none"> Solar Water Heater using a PV-Powered Pump 	Submit the listing for the PV panel and pump.	NEC Article 690
<ul style="list-style-type: none"> Solar Swimming Pool Water Heater 	Manufacturers selected system installation manual/detail and system specifications.	FBCB 107
<ul style="list-style-type: none"> Solar Swimming Pool Water Heater 	Submit FSEC Approval/Listing and System Reference Drawing.	FBCB 107 F. S. 377.705
<ul style="list-style-type: none"> Photovoltaic System 	Plans must be signed and sealed by a Florida Professional Engineer or Certified by FSEC	F.S. 471.025 F.S. 377.705(4)(d)
<ul style="list-style-type: none"> Statutory Requirement 	FSEC will generate a System Certification Approval Form signed and sealed by a Florida Professional Engineer.	F.S. 377.705(4)(d)
<ul style="list-style-type: none"> Electrical Diagram 	Submit an electrical diagram including components interconnects, conductor types and sizes, conduit types and sizes, disconnects, and point of interconnection.	National Electrical Code NEC Article 690 NEC Article 705
<ul style="list-style-type: none"> Component Documentation 	BCAP - Broward County Administrative Provisions FBCB - Florida Building Code, Building Volume FBCEB - Florida Building Code, Existing Building Volume FBCEC - Florida Building Code, Energy Conservation Volume F.S. - Florida Statute FSEC - Florida Solar Energy Center NEC - National Electric Code	