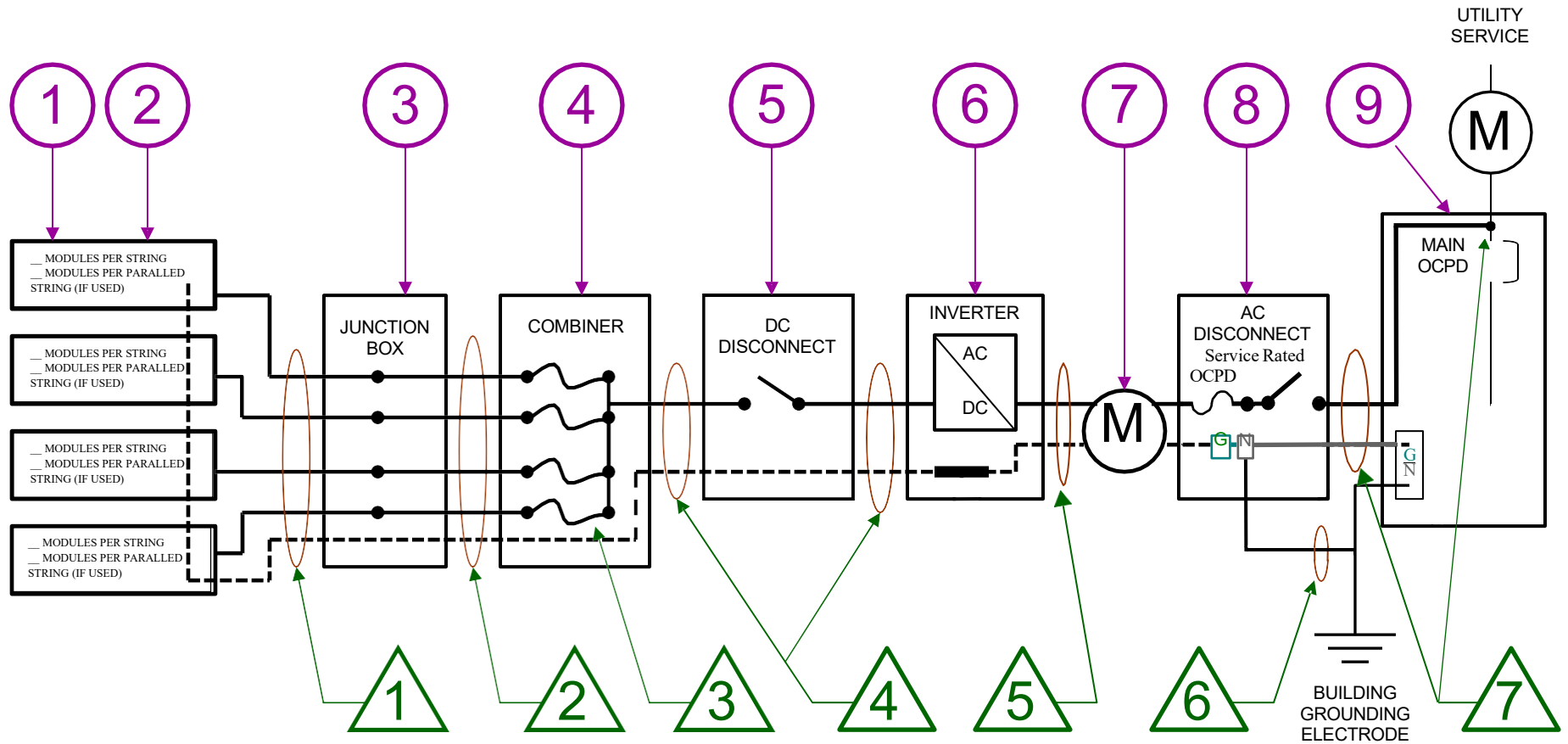




PRINCE WILLIAM COUNTY  
Department of Development Services – Building Development Division

**SOLAR ENERGY SYSTEMS**  
**SMALL, SINGLE INVERTER SYSTEM PLANS**  
**SUPPLY SIDE TAP**

Figure - SMALL SINGLE INVERTER SYSTEM DETAIL



Site Address \_\_\_\_\_  
Prepared by \_\_\_\_\_  
Email \_\_\_\_\_  
Phone: \_\_\_\_\_ Date \_\_\_\_\_

○ EQUIPMENT SCHEDULE						
TAG	DESCRIPTION	MODEL NUMBER	NOTES			
1	SOLAR PV MODULE		LARGEST STRING: VOC _____, ISC _____, WATTAGE _____			
2	OPTIMIZER/DC-DC CONVERTER		MAX INPUT: _____ VDC _____ ISC	MAX STRING WATTAGE _____	OUTPUT: _____ VDC, _____ ADC	
3	J-BOX (IF USED)					
4	COMBINER					
5	DC DISCONNECT					
6	DC / AC CONVERTER		MAX INPUT: _____ VDC, _____ ADC, _____ WATTS	MAX OUTPUT: _____ VAC, _____ A, _____ WATTS		
7	GEN METER (IF USED)					
8	AC DISCONNECT (IF USED)		_____ VAC	_____ A Rated	_____ A Inverter OCPD	
9	SERVICE PANEL		_____ VAC	_____ A Main	_____ A Bus	

△ CONDUIT AND CONDUCTOR SCHEDULE					
TAG	DESCRIPTION OR CONDUCTOR TYPE	CONDUCTOR GAUGE	NUMBER OF CONDUCTORS	CONDUIT TYPE	CONDUIT SIZE
1	<input type="checkbox"/> USE-2 or <input type="checkbox"/> PV WIRE BARE COPPER EQ. GRD. COND. (EGC)			N/A	N/A
2	<input type="checkbox"/> THWN-2 or <input type="checkbox"/> XHHW-2 or <input type="checkbox"/> RHW-2 INSULATED EGC				
3	ARRAY OCP _____ AMPS			N/A	N/A
4	<input type="checkbox"/> THWN-2 or <input type="checkbox"/> XHHW-2 or <input type="checkbox"/> RHW-2 INSULATED EGC				
5	<input type="checkbox"/> THWN-2 or <input type="checkbox"/> XHHW-2 or <input type="checkbox"/> RHW-2 INSULATED EGC				
6	GROUNDING ELECTRODE TAP (May be inside or outside enclosure)	TYPE			
7	SUPPLY SIDE TAP	TYPE			

NOTES	
1	All labels will be placed in accordance with NEC 690 and 705.
2	Additional labeling is required; see the <a href="#">Solar Energy Systems Plan Submission and Inspection Guidelines</a> for details.