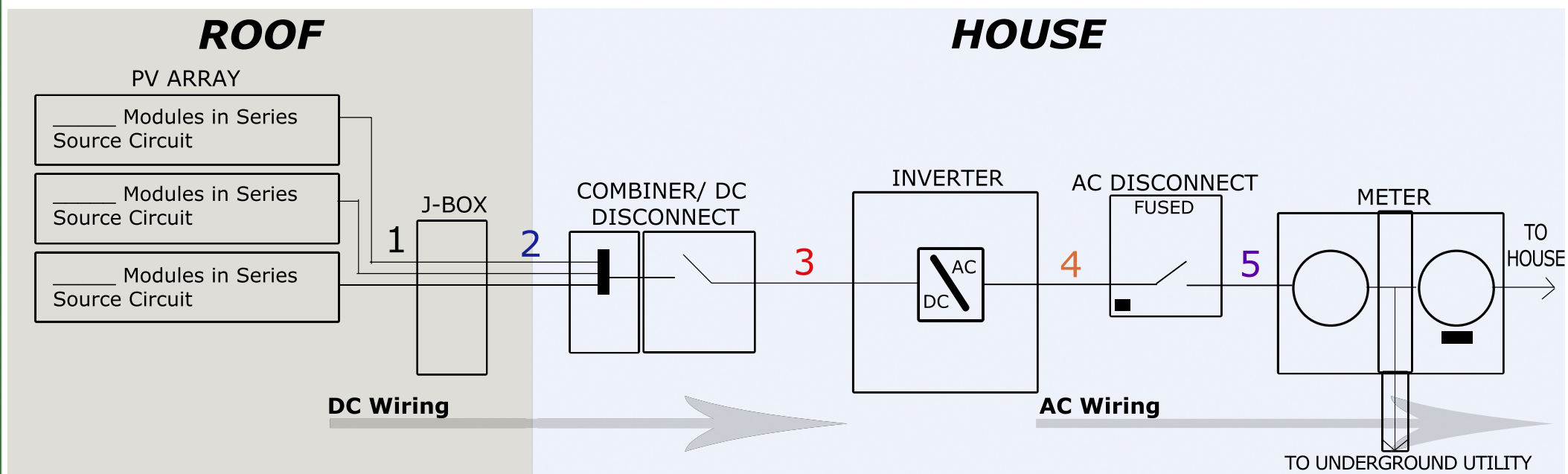


PV Array Location: _____
 # Modules in Series: _____
 # Parallel Circuits: _____
 Lowest Ambient Temp: _____
 Highest Continuous Temp: _____



PV Module Ratings at STC 690.51
 Module Make: _____
 Module Model#: _____
 Max Power Current (Imp): _____ A
 Max Power Voltage (Vmp): _____ V
 Open-Circuit Voltage (Voc): _____ V
 Short-Circuit Current (Isc): _____ A
 Max Series Fuse (OCPD): _____ A
 Maximum Power (Pmax): _____ W

Source Circuit Combiner Ratings
 Max OCPD Rating Per String: _____ A
 OCPD Amp Rating: _____ A
 OCPD Volt Rating: _____ V

DC Disconnect Ratings
 Nameplate Amp Rating: _____ A
 Actual Current Limit: _____ A
 Volt Rating: _____ V

Inverter Ratings
 Model Make: _____
 Model #: _____
 Max DC Volt: _____ V
 Max Power at 40C: _____ W
 Nominal AC Voltage: _____ V
 Max AC Current: _____ A
 Max OCPD Rating: _____ A

AC Disc. Ratings
 Nameplate
 Amp Rating: _____ A
 Volt Rating: _____ V
 Inverter OCPD: _____ A

Service Panel Ratings
 Bus Amp: _____ A
 Service Volt: _____ V
 Main OCPD: _____ A

Tag	Description	Conductor Size	# Conductors	Conduit	Calculations
1	USE-2 or PV WIRE				Isc = 8.18 A 8.18 A x 1.25 (irradiance) x 1.25 (continuous) = 12.76 A
2	THWN-2, XHHW-2, or RHW-2				Isc = 8.18 A 8.18 A x 1.25 (irradiance) x 1.25 (continuous) = 12.76 A
3	THWN-2, XHHW-2, or RHW-2				Isc = 8.18 A 8.18 A x 3 x 1.25 (irradiance) x 1.25 (continuous) = 38.34 A
4	THWN-2, XHHW-2 or RHW-2 (690.8(B)(1))				Max Operating Current = 7000 watts/240 volts = 29.2 A 29.2 A x 1.25 (continuous duty) = 36.5 A
5	THWN-2, XHHW-2 or RHW-2(690.8(B)(1))				Max Operating Current = 7000 watts/240 volts = 29.2 A 29.2 A x 1.25 (continuous duty) = 36.5 A
* Grounding Not Shown in This Diagram					