Equipment	Manual/instructions	Specifications	equipment certifications	Documentation that the equipment is listed by a qualified evaluation
Heliene 96M480 (21 panels)	EXD 8.5-001 PV Module Installation Manual_Rev.02.pdf	Heliene96M_Silver_NA-Rev.03 spec sheet.pdf	ULC/ORD-C1703-1, UL1703	Heliene96M_Silver_NA-Rev.03 spec sheet.pdf
Growatt 5000 MTLP-US (2 inverters)	Growatt 5 - 7.6 kw manual.pdf	Growatt 5000 spec sheet w compliances.pdf	UL1741,UL1998 ,IEEE 1547, CSA C22.2 No.107.1-1,FCC Part15(Class A&B),UL1699B	Growatt Solar Inverter 4000-7600 MTLP-US spec sheet.pdf
NEP RAPID SHUTDOWN	NEP-Rapid-Shutdown-Manual.pdf	NEP RAPID SHUTDOWN Specification sheet.pdf	UL 1741 CSA C22.2 No. 107.1 NEC 2014/2017 690.12 Canada CEC 2015 64-218	NEP RSD-PVG-4 certifications.pdf
Iorn Ridge mounting		IronRidge_RoofMount_ DataSheet.pdf	UL 2703	IronRidge_RoofMount_ DataSheet.pdf
Emergency shotdown Switch next to inverters				
Inverter location	North side of house at 1876 NC 87-N			

Statewide Uniform Requirement of Inspection Procedures for Solar Photovoltaic Systems Installed on Reside ntial Rooftops Option No. 2

1. Application for Electrical and Building Permit must include:

a. Sketch of the electrical design that complies with the NEC	see attached line drawing
b. Electrical details of the equipment including:	
i. Manufacturer' s instructions	see attachments
ii. Documentation that the equipment is listed by a qualified evaluation laboratory	see attachments
iii. Instructions for the rapid shutdown of the system at the roof	see attachments
iv. Inverter location	North side of house at 1876 NC 87-N
v. Type and size of conductors to be used	see attached line drawing
vi. How the metal frame(s) and the PV electrical system is to be grounded	see attached line drawing
c. Sketch of the equipment's structural mounting design. A North Carolina registered design professional will be required to seal the structural design at the time of application if any of the following exist and are attested to by the applicant:	
i. The weight of the PV system exceeds three (3) pounds per square foot (psf)	Structural Inspection of roof load (2.60 lb per sqft) 3-9-21
ii. The roof possesses more than one (l) layer of asphalt shingles	no
iii. The roofing material consists of a type other than asphalt shingles or metal, or	no
iv. The roof is located in a 140 mph or greater wind zone	no