



**A**  
Lighting GND : #2 Stainless running length of Roof fastened with SS clamps to roof seen within 12 inches of apex. Drop West and East Down direct and straightest path to North Side Earth Subterranean Ring. As few turns as possible and attach to non flammable siding. Attach with Acorns listed for below grade use.

Northside ring min #2 Copper or Stainless 18 inches Bond all GND Rods and Ring

**B**  
Lighting Protection  
Midnight MNSPD300

- Notes:**
1. Battery and ALL BATTERY DC Terminals Covers Stay Installed.
  2. Warning : Follow precautions as per Battery Instructions.
  3. Disconnect Negative BATTERY Lead (or both) prior to Service on Power Panel
  4. Request service by Professionals experienced on certified in IEC Renewable Energy Systems.
  5. PV SOURCE circuits present shock hazard when Modules exposed to light, Disconnect at Solar Module to Service with MC4 Tool
  6. Less than 2% Voltage drop at Rated output. SCC max self Heating is 44A on Input at 90V.
  7. Annual Battery Inspection as per Recommendations by Battery Manufacturer
  8. Ground Fault Protection for the PV Array in Solar Charge Controllers.
  9. Min 90 C Wire on IEC Connectors
  10. Connections torqued as per Equipment Instructions.
  11. System conforms to NEC 2008 Art 690 and all local codes
  12. Natural and Power Vents DN 6 SSB / DF SS2 Volts
  13. 24Vdc runs 4A #14-2, 7A #12-2, 90 ft max, NM or MC per-fan - spray paint to identify

Ver 14 6/2/2018 - Midnight - Hill West Overhaul	Drawn by
Ver 13 7/2/2018 - 48V Pump 12-24V Upgrade	ICL
Ver 12 4/2/2018 - Up to 25 SSR Relay Board	Langlois Group LLC
Ver 11 3/25/2018 - Added downstairs PV Combiner	icls@icls.org
Renewable Energy System for Lodge at Fisher Point Buffalo River National Park	501-416-4481
Ver 10 12/26/2011	