John Allen

8825 Lindley Mill Rd, Snow Camp, NC 27349

5.12 kW DC System

(16) REC 320W Mods

(1) SE 7600H-US Inverter w/ integrated EV

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315-487-5742

Equipment

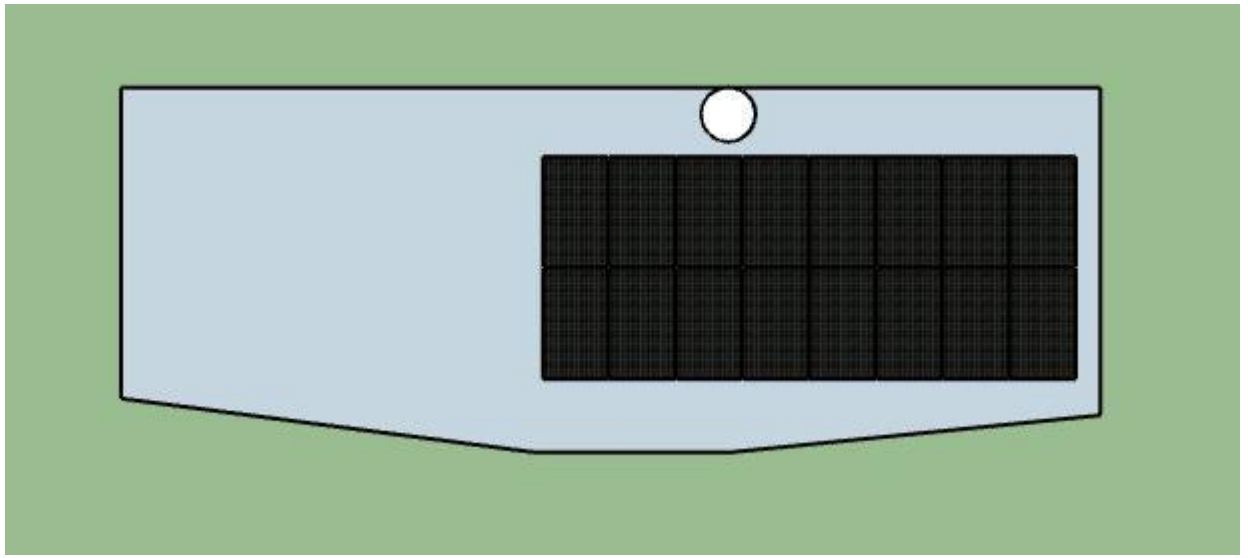
- (16) REC 320W TP2M Mono Modules
- (1) SE 7600H-US Inverter w/ integrated EV Charger
- (16) SE P320 Optimizers
- (1) 60A Fused AC Disconnect
  - (2) 40A Fuses
- (1) 60A Nonfused AC Disconnect
- SnapnRack Ultra-rail (NO FLASHINGS or Lfeet)
- S5 Brackets for Corrugated metal
  - Test Proteabracket? (comes with Lfeet)
- Oatey Malleable Metal Roof Boot
- Quabbin Cable 300V 4-wire Comms
- SolarEdge Consumption and monitoring (Hardwire)
- 1 story (24 ft ladder)

COOL!

Site Layout

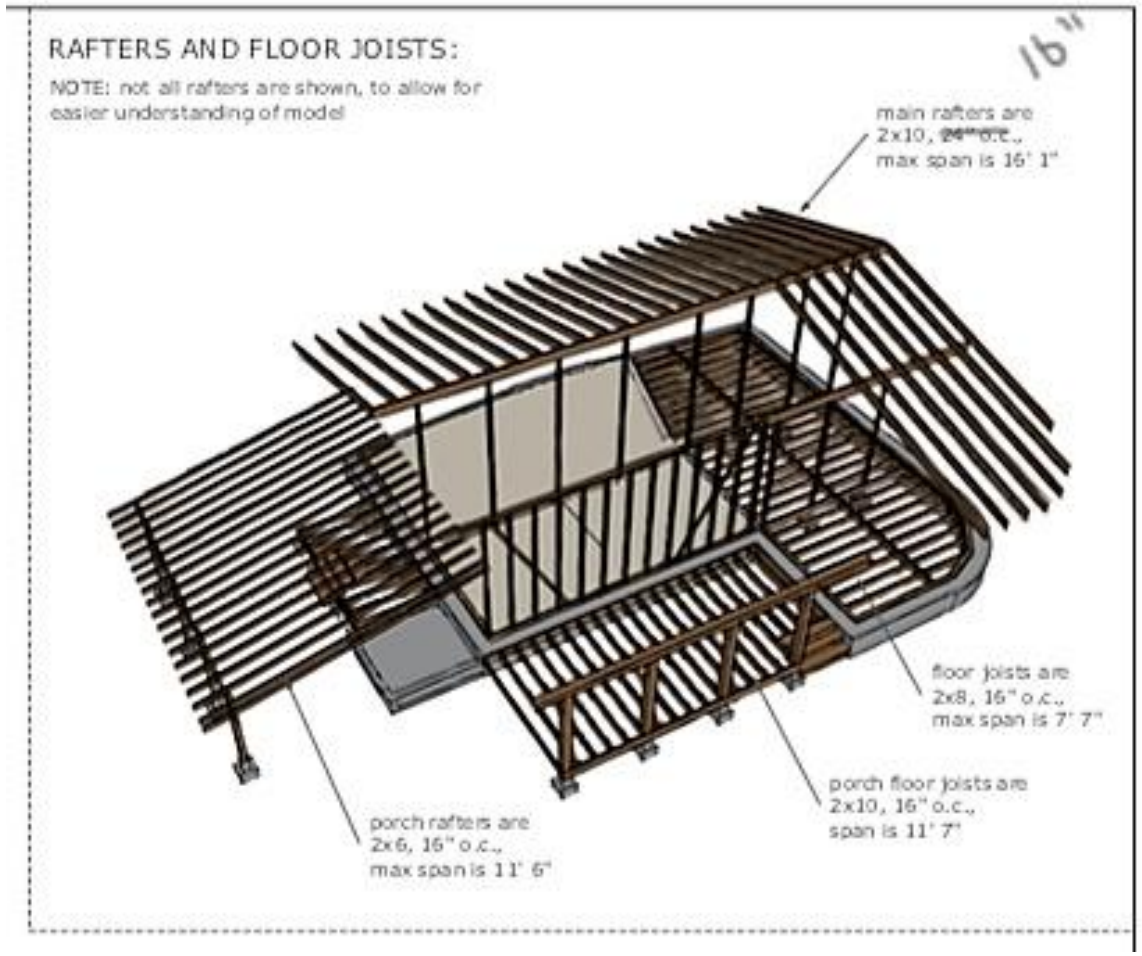
Fused AC Disconnect & SolarEdge Energy Meter
Meter around corner
Crawl Space
Inverter w/ EV & nonfused AC disconnect

Panel Layout



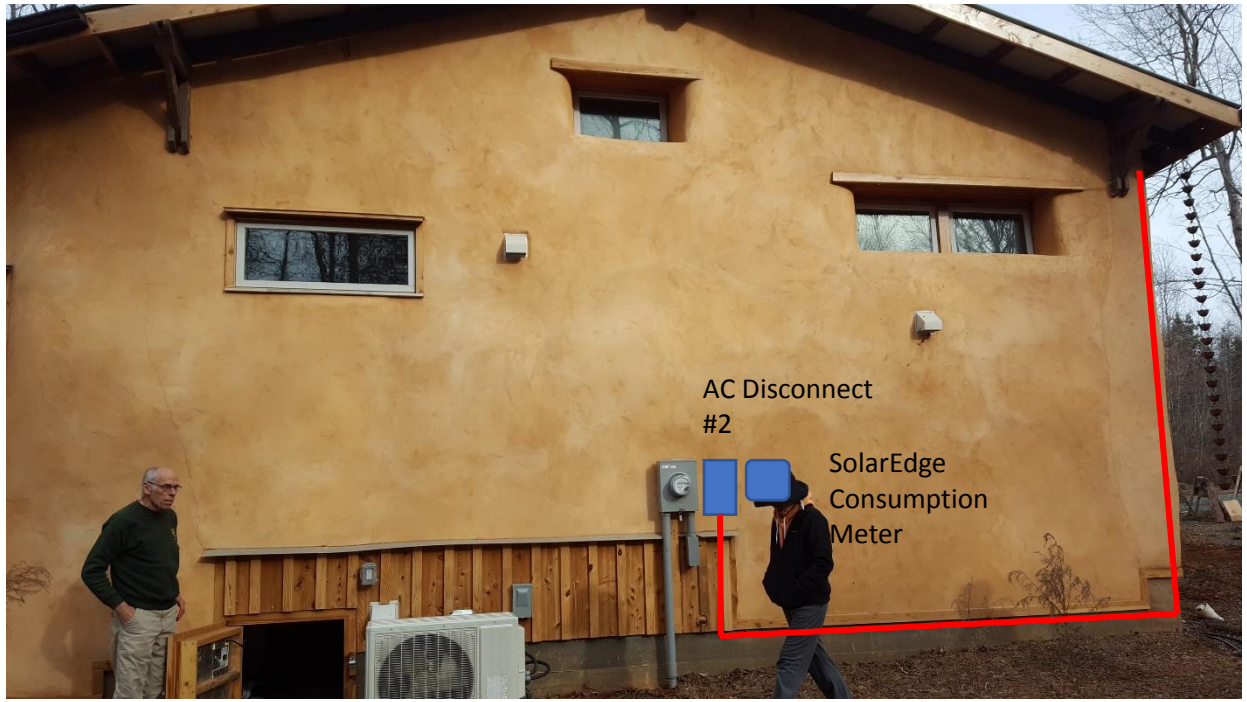
Meter Base and
Main Panel

Corrugated Metal
159° Azimuth and 3/12 pitch
2x10 16 o.c.
(rafters max span 16’1”)



Electrical

- No REP on array. No attic under
- Penetrate eave(s). Come straight down into inverter w/ EV charger on carport side of home. AC disco #1 beside that
- Bring AC wire from AC disco #1 at carport +quabbin communication wire in same conduit under front soffit and down to AC disco #2 at meter. Run AC wire inside and tap in main panel.
- Consumption at meter with separate conduit into main panel to 15a breaker, quabbin wire from inverter leads to meter
- Main panel is on back wall of cupboard



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Permitting Info

- 8825 Lindley Mill Rd, Snow Camp, NC 27349
- Snow Camp
- https://alamancecounty.connectgis.com/Map.aspx

Notes