

Load Calculation

903 Bill Avery Rd Coats, NC

OPTIONAL CALCULATION:

Demand Load: 15422 VA

Minimum Current: 64 Amps

Standard or Minimum Breaker (240.6): 100 Amps

Copper Service Conductor (T310.15(B)(6/7)): 4 AWG

Aluminum Service Conductor (T310.15(B)(6/7)): 2 AWG

Copper GEC-Service (250.66): 8 AWG

Aluminum GEC-Service (250.66): 6 AWG

Neutral Load (220.61): 8575 VA

Neutral Current: 36 Amps

Copper Neutral Conductor (310.16/15(B)(16)-75°C): 8 AWG

Aluminum Neutral Conductor (250.24(C)(1)): 6 AWG

Copper EGC-Feeder (250.122): 8 AWG

Aluminum EGC=Feeder (250.122): 6 AWG

Optional Calculation Details-BETA:

General Load (Lights, SABCs, Laundry, Appliances, Ranges, Dryers, Water Heaters, other Motors) Total: 12680 VA

General Load Net: + 11422 VA+

General Neutral Net: ->8575 VA<-

HVACLoad: +4000 VA+

Total Load: 15422 VA / 240 = 64 Amps

Neutral Load: 8575 VA / 240 = 36 Amps