Load Calculation

1935 Langdon Rd Angier NC, 27501

System: 120/240V  
Square Feet: 2355  
com.intineo.android.myutilities.IntegerRangeEditText{b9c25e4 VFED..CL. ......ID 725,107-909,238 #7f0e02e9 app:id/etSmallAppl} Small Appliance Circuit(s)  
com.intineo.android.myutilities.IntegerRangeEditText{19ee577 VFED..CL. ......ID 909,94-1080,225 #7f0e02e8 app:id/etLaundry} Laundry Circuit(s)  
Range: 9000 VA (Line-Neutral)  
Dryer: 5000 VA  
COOKING APPLIANCES:  
Range: 9200 VA  
  
OPTIONAL CALCULATION:  
Demand Load: 19906 VA  
Minimum Current: 83 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): 24098 VA  
Neutral Current: 100 Amps  
Copper Neutral Conductor (T310.15(B)(6/7)): 4 AWG  
Aluminum Neutral Conductor (T310.15(B)(6/7)): 2 AWG  
Copper EGC-Feeder (250.122): 8 AWG  
Aluminum EGC=Feeder (250.122): 6 AWG  
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Optional Calculation Details-BETA:  
  
General Load (Lights, SABCs, Laundry, Appliances, Ranges, Dryers, Water Heaters, other Motors) Total: 34765 VA  
General Load Net: + 19906 VA+  
General Neutral Net: ->24098 VA<-  
  
  
Total Load: 19906 VA / 240 = 83 Amps

HVAC Loads are load managed