

GENERATOR LOAD CALCULATION

TO SWAN LANE

ANGIER, 27501

Permit # ERES 2107-0067

NOTES ABOUT THE SYSTEM.

- THIS CALCULATION IS FOR THE 1ST FLOOR ONLY. THESE ARE THE ONLY PANELS BACKED UP BY GENSET.
- UNDER EMERGENCY POWER / GENERATOR POWER.
 - HVAC UNITS : 3-6 WILL BE LOCKED OUT BY CONTROLS / LOAD MANAGEMENT DEVICES.
 - HVAC UNIT : 2 ALSO HAS A LOAD MANAGEMENT DEVICE & WILL BE SET AS A PRIORITY 2.
 - HVAC UNIT : 1 IS THE SAME AS UNIT #2 BUT WILL BE SET AS A PRIORITY 1.
- * UNITS 3-6 WERE NOT INCLUDED IN THE CALCULATION BECAUSE THEY ARE LOCKED OUT DURING EMERGENCY.

OPTIONAL LOAD CALCULATION.

3000' Sq FT X 3 WATTS PER SQ' =	9000
2 - SMALL APPLIANCE @ 1500 WATTS EACH =	3000
1 - LAUNDRY @ 1500 WATTS EACH =	1500
1 - DRYER @ 5000 WATTS EACH =	5000
2 - DISHWASHERS @ 1500 WATTS EACH =	3000
1 - MICROWAVE @ 1500 WATTS EACH =	1500
1 - DUAL FUEL RANGE @ 5160 WATTS =	5160
1 - SINGLE WALL OVEN @ 3800 WATTS =	3800

TOTAL = 31960

- 10000

21960

40%

8784.

10,000 = 1ST 10,000

8784 = REMAINING 40%

18,784

14,400

33,184

2 - A/C @ 7200 EACH = 14400

2 - HEAT @ 13000 EACH

= 26,000 @ 40% = 10,400

33,184 WATTS ÷ 240 VAC = 138 AMPS