SINGLE-FAMILY DWELLING SERVICE-ENTRANCE CALCULATIONS

1. General Lighting Lo	oad (220.12).
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Note: Included in this floor area calculation are all lighting outlets and general-use receptacles. Do not include open porches, garages, or unused or unfinished spaces not adaptable for future use. See NEC 220.12, Table 220.12, and 220.14(J).

2. Minimum Number of 15-ampere Lighting Branch Circuits.

$$\frac{\text{Line 1}}{120} = \frac{}{120} = \frac{}{120}$$
then,
$$\frac{\text{amperes}}{15} = \frac{}{15}$$
= _____15-ampere branch circuits

3. Small-Appliance Load [210.11(C)(1), 220.52(A), and 210.52(B)].

(Minimum of two 20-ampere branch circuits)

4. Laundry Branch Circuit [210.11(C)(2), 220.52(B), and 210.52(F)].

(Minimum of one 20-ampere branch circuit)

5. Total General Lighting, Small-Appliance, and Laundry Load.

Lines
$$1 + 3 + 4$$
 = _____ VA

6. Net Calculated General Lighting, Small-Appliance, and Laundry Loads (less ranges, ovens, and "fastened-in-place" appliances). Apply demand factors from *Table 220.42*.

a. First 3000 VA @ 100% =
$$3000$$
 VA
b. Line 5 _____ - 3000 = ____ @ 35% = ____ VA
Total a + b = ____ VA

7. Electric Range, Wall-Mounted Ovens, Counter-Mounted Cooking Units (*Table 220.55*).

8. Electric Clothes Dryer (Table 220.51).

9. Electric Furnace (220.54).

Air Conditioner, Heat Pump (Article 440).

(Enter largest value,
$$220.60$$
) = _____ VA

10. Net Calculated General Lighting, Small-Appliance, Laundry,

Ranges, Ovens, Cooktop Units, HVAC.

Lines
$$6 + 7 + 8 + 9$$
 = _____ V_A