feeder/service conductor must be sized at 125 percent of the continuous load [215.2(A)(1) and 230.42].

Sign Calculated Load Example Question: What is the feeder/service conductor calculated load for one electric sign? Figure 11–17 (a) 1,200 VA (b) 1,500 VA (c) 1,920 VA (d) 2,400 VA Answer: (b) 1,500 VA Feeder/Service Calculated Load = 1,200 VA x 1.25 Feeder/Service Calculated Load = 1.500 VA Signs - Commercial Buildings With Pedestrian Access Section 220.14(F) Last Bank & Trust Each commercial occupancy accessible to pedestrians must have at least one 20A sign outlet [600.5(A)], which must have a minimum branch-circuit load of 1,200 VA. Determine the service calculated load for the exterior sign. Continuous loads on feeders are calculated at 125%. 1,200 VA sign outlet x 1.25 = 1,500 VA calculated load Figure 11–17

Determine the feeder/service calculated load:

Bold indicates neutral load. [215.2(A)(1) Ex 2].

Step 1a: Lighting [Table 220.12] General Lighting = 30,000 sq ft x 3.50 VA General Lighting = **105,000 VA** General Lighting Calculated Load = 105,000 VA x 1.25

Step 1b: Actual Lighting Actual Lighting Connected Load = 200 units x 120V x 1.65A Actual Lighting Connected Load = 39,600 VA Actual Lighting Calculated Load = 39,600 VA x 1.25

PART B—EXAMPLES

11.13 Bank/Office Building Example

Determine the feeder/service calculated load for an office building/bank with the loads listed in Figure 11–18.



131,250 VA

49,500 VA (omit)

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