

# Service Repair or Change

1. Service Riser Diagram, Panel Schedule(s), Load Calculations, Fault Current Calculation / AIC Ratings of distribution equipment required. NEC 110.9 and 110.10, FBC 106.3.5

2. Panel schedules must identify every circuit as to its clear, evident, and specific purpose or use. NEC 408.4

3. Show the location of all service equipment and panels on the floor plan.

4. A disconnecting means is required for each service. NEC 230.70

5. FPL service standards require minimum 2" RMC/IMC for overhead service riser masts. FPL Electric Standards Section IV, Figure IV-6a.

6. Panel schedules must identify every circuit as to its clear, evident, and specific purpose or use. NEC 408.4

7. Electrical panels cannot be in closets or bathrooms. NEC 240.24(D)

8. Electrical panels cannot be located over stairs NEC 240.24 (F)

9. Branch circuits supplying storage type water heaters of 120 gallons or less must be sized at 125% of the nameplate rating as a continuous load. NEC 422.13 FPL service standards require meter socket location within 10 feet of the corner of the building for overhead services. FPL Service Standards Section IV.B

10. House loads must be calculated using the standard calculation. NEC 220.84(B)

11. The optional calculation cannot be used for any feeders or panels that do not supply the entire load of a single dwelling unit. NEC 220.82(A)

12. When using the optional calculation appliances must be calculated at the nameplate rating, not the ratings stated in the tables in Article 220. NEC 220.82(B)(2)

For ranges this is 12,000va.

**13. A minimum of one receptacle outlet must be installed within 50 feet of the electrical service equipment. NEC 210.64**