



### ELECTRICAL PLAN REVIEW CHECKLIST

- Legend showing symbols used on drawings.
- Type, location, and size of all service equipment and meters.
- Show all wiring.
- Show all feeders and branch circuits.
- Show all overcurrent protection with interrupting rating.
- Provide narrative responding to each "NOT MET" condition and to any other change to the plans. The changes must be indicated on drawings. All revisions must be clouded and numbered.
- Show all grounding details.
- Show all low voltage.
- Show all communication systems.
- One line diagram with wire size and pipe size and panel directory.
- Show all communication systems.
- Show all emergency systems.
- Show all special occupancies.
- Show all equipment.
- Breaker number for everything electrical with size of wire and Pipe.
- Show all load calculations.

*.....To operate a permitting agency that is customer service oriented while protecting public safety through clear, consistent code application while ensuring Orlando's economic competitiveness.*

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- Location, voltage, horsepower, current, of every motor.
- Required sign circuit for each commercial building and each commercial occupancy accessible to pedestrians.
- Show all wiring methods and materials.
- Show all ground-fault circuit-interrupter protection.
- All drawings need to be designed to Florida Building Code Chapter 13.
- Electrical site plan required.

**This document is intended to be a guide and may not contain all requirements needed to obtain permits and approval from the City of Orlando.**

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## **MOST COMMON REASONS FOR DISAPPROVAL**

### **Residential**

1. No Approved Plans on job.
2. Work not ready for inspection.
3. No access to property.
4. Work outside scope of permit.
5. Work covered up without inspections (walls, ceilings, underground).
6. 210.50 Missing Required Outlets.
7. 210.52 Spacing of Receptacles.
8. 210.8 Not installing or improper wiring of GFCI receptacles.
9. 300.4 Protection Against Physical Damage-( Nail Plates Missing).
10. 422.30 Missing Disconnecting Means for Appliance's.
11. 200.11 Reverse polarity of receptacles.
12. 314.16 Boxes not sufficient size.
13. 408.4 Missing Circuit Directory for Panelboards.
14. 440.6 Air-Conditioning Equipment (Improper wire or Overcurrent Protection).
15. 110.12 (C) Electrical equipment contaminated by foreign materials paint, plaster, cleaners, etc.
16. 210.12 Need to install Arc-Fault Circuit-Interrupter Protection for all outlets in dwelling unit bedrooms.
- 17.

### **Commercial**

1. No Approved Plans on job.
2. Work not ready for inspection.
3. No access to property.
4. Work outside scope of permit.
5. Work covered up without inspections (walls, ceilings, underground).
6. 110.26 Not the required work space about electrical equipment.
7. 250.66 Improper grounding electrode conductor.
8. 250-122 Improper equipment grounding conductor.
9. 314.28 Improper size for pull and junction boxes.
10. 410.16 Luminaries not securely fastened to ceiling framing member.
11. 90.7 Equipment not listed.
12. 590.2(D) Temporary wiring not removed.
13. 210.63 Missing Receptacle for Heating, Air-Conditioning, and Refrigeration Equipment.
14. 210.62 Missing Show Window receptacle.
15. 700.12(F) Improper wiring of Emergency lights.

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