



**Building Officials
Association of Florida**



**Florida Engineering
Society**

A GUIDE TO CREATING BUILDING CODE COMPLIANT DOCUMENTS

PART A

BOAF / AIA-FLORIDA / FES JOINT TASK FORCE

- Alterations of commercial buildings
- New systems (Mechanical, Electrical, Plumbing, Gas, Fire Alarm, Fire Sprinkler, Etc.)
- Alterations to systems
- New One and Two Family buildings
- Additions to One and Two Family buildings
- Alterations to One and Two Family buildings

The overview presented in this Guide describes building code concepts, and are intended to be independent of any specific code requirements. As such, this Guide should remain valid through multiple building code cycles. Be sure to reference the applicable building code edition for specific code provisions.

A user of this Guide is expected to have a thorough understanding of applicable building codes. This guide is not intended as a substitute for building code training.

F. SIGNED AND SEALED DOCUMENTS

Documents created by a Florida registered Architect or licensed Engineer must be appropriately signed and sealed in

6. **Duct systems**
Provide duct layouts and sizing
7. **Ventilation**
Provide ventilation details
8. **Combustion Air**
Provide combustion air calculations and source
9. **Chimneys, fireplaces and vents**
Provide specifications for chimneys and fireplace vents
10. **Appliances**
Provide specifications and installation details for specific appliance
11. **Boilers**
Provide specifications and installation details for boilers and water heaters
12. **Refrigeration**
Provide specifications and installation details for refrigeration equipment
13. **Bathroom ventilation**
Provide bathroom ventilation location and air flow rate
14. **Laboratory**
Provide exhaust system details per code for a laboratory where hazardous materials are handled

ELECTRICAL CODE REQUIREMENTS

PLAN REVIEW CATEGORIES

There are multiple issues that must be reviewed for new buildings, additions and major renovations:

1. **Wiring**
Provide wire size designations for design loads
2. **Services**
Provide service location and size
3. **Feeders and branch circuits**
Provide circuit diagrams
4. **Over-current protection**
Provide over-current designations for each circuit/panel
5. **Grounding**
Provide location and sizing of ground system
6. **Wiring methods and materials**
7. **GFCI's**
Provide locations of GFCI devices
8. **Equipment/Panels**

Provide location and specifications for equipment /panels

9. Special occupancies

Provide specifications for features required by special occupancies

10. Emergency systems

Provide details for emergency power systems

11.

Provide grease trap specifications and location
Provide identification of fixtures draining through the grease trap

12. Environmental requirements

13. Plumbing riser