



*Life's Just Better Here*

### **FIXED GENERATORS (COMMERCIAL OR SINGLE FAMILY)**

This checklist is designed to expedite permit application processing by ensuring that all required documentation is submitted with your application.

**Submit one (1) notarized copy of the permit application and two (2) copies of the following required information:**

Plans submitted must be drawn on standard 24"x36" blueprint paper and must be drawn to scale. The plans must contain the following:

**A. SITE/SURVEY DRAWING**

- \_\_\_\_\_ (1) Location of proposed generator (with dimensions)
- \_\_\_\_\_ (2) Location of all windows, doors and vents. (No openings within ten (10) feet of generator exhaust.)
- \_\_\_\_\_ (3) Location of fuel tanks and/or fuel lines

**B. SLAB DRAWINGS**

- \_\_\_\_\_ (1) Slab dimensions (L, W, D) and reinforcement details
- \_\_\_\_\_ (2) Anchor details for generator attachment to slab (see Broward County sheet re: wind load calculations and anchor details)
- \_\_\_\_\_ (3) Verification is required that the soil beneath will support the slab and generator for all loads per High Velocity Hurricane Zone (FBC 1818.2)
- \_\_\_\_\_ (4) Statement that installation meets Florida Building Code wind load of 140mph
- \_\_\_\_\_ (5) Generator spacing from building (provide manufacturer's specs)
- \_\_\_\_\_ (6) Acceptable foundation other than concrete slab (provide manufacturer's specs)
- \_\_\_\_\_ (7) Verify that the generator will be installed at current base flood elevation or above (FBC 3110.1)

**C. ELECTRICAL RISER DRAWING**

- \_\_\_\_\_ (1) Service
- \_\_\_\_\_ (2) Panel(s)
- \_\_\_\_\_ (3) Transfer switch
- \_\_\_\_\_ (4) Main Disconnect(s)
- \_\_\_\_\_ (5) Wire sizes
- \_\_\_\_\_ (6) Load calculations for determining size of transfer switch
- \_\_\_\_\_ (7) Overcurrent protection
- \_\_\_\_\_ (8) Grounding

**D. GENERATOR**

- \_\_\_\_\_ (1) Provide complete specifications and installation instructions
- \_\_\_\_\_ (2) KW rating, ampacity, voltage, phase
- \_\_\_\_\_ (3) Type of fuel
- \_\_\_\_\_ (4) Load calculations

**E. TRANSFER SWITCH**

- \_\_\_\_\_ (1) Required per N.E.C. 702.6, provide specifications
- \_\_\_\_\_ (2) Automatic
- \_\_\_\_\_ (3) Manuel

F. MANUAL TRANSFER SWITCH

- \_\_\_\_\_ (1) Sized for entire service load
- \_\_\_\_\_ (2) Sized for dedicated standby panels
- \_\_\_\_\_ (3) Identify all loads to be serviced

G. AUTOMATIC TRANSFER SWITCH

- \_\_\_\_\_ (1) Sized to transfer entire load
- \_\_\_\_\_ (2) Pre-selected loads to be served, with optional standby panel and transfer switch
- \_\_\_\_\_ (3) Provide automatic load shedding to reduce total load imposed on generator
- \_\_\_\_\_ (4) Determine existing load using N.E.C. 220.40 calculation

H. SOUND LIMITS

- \_\_\_\_\_ (1) Decibel level not to exceed 60db at property line

I. SIGN

- \_\_\_\_\_ (1) Per N.E.C. 702.8, sign placed at service-entrance equipment that indicates location of on-site standby power source
- \_\_\_\_\_ (2) A permanent sign shall be placed at the transfer switch location indicating the sequence of operation to start the generator and transfer the electrical loads

J. FUEL

- \_\_\_\_\_ (1) If liquefied petroleum (LP) gas is to be used, a plan indicating isometric riser diagram is required; also show piping material, length of piping, BTU demand and shut-off valve location
- \_\_\_\_\_ (2) If a diesel fuel generator is proposed, the fuel piping, piping size, piping material, tank specifications, for inside of a building, and make-up air and exhaust termination (FMC 915.1) must be shown

GENERAL INFORMATION

- Design plans are to comply with standards in the Florida Building Code, Florida Mechanical Code (FMC 915.1), National Fire Protection Association (NFPA 37), 2008 National Electric Code (N.E.C. Articles 220 & 702), and the National Gas Fuel Code as found in the NFPA.
- The installation of fixed generator requires permits.
- Under the owner/builder exemption, the homeowner of a single-family home or duplex may apply for the permit to install the slab.
- A licensed electrical contractor is required to obtain the permit for the electrical installation (disconnects, transfer switches, etc.)
- A licensed plumbing contractor or gas contractor is required to obtain a permit for the installation of LP gas.
- A mechanical permit will be required for installation of a diesel fuel tank by CMC, CFC or PCC-type contractor.

INSPECTIONS:

Inspections will vary depending on whether gas or diesel fueled.

Inspections must be submitted online, faxed or dropped off prior to **4:30 PM** for the next business day.

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name of Applicant