

RESIDENTIAL GENERATOR PERMITTING CHECKLIST 13
ART.702 N.E.C. 2005 EDITION (ART. 220 and 445)

ALL SUB PERMIT REQUESTS SHOULD BE SUBMITTED AT THE TIME OF INITIAL APPLICATION, AND TWO SETS ARE REQUIRED OF EVERYTHING LISTED BELOW
PERMITS NEEDED: ELECTRICAL AND MECHANICAL (GAS)

SITE SURVEY DRAWING: SURVEY DRAWING "MUST" HAVE FLOOD ZONE INFO ON IT. Show generator and fuel tank locations with fuel lines. Show location of all windows and doors near the generator exhaust, **GENERATOR EXHAUST SHALL BE 10 ft. AWAY FROM OPERABLE WINDOWS and DOORS, INCLUDING THOSE IN THE NEIGHBORS HOUSE. (EXCULDING GARAGE WINDOWS AND DOORS) THE GENERATOR EXHAUST MAY NOT DISCHARGE ON TO THE ADJACENT PROPERTY.**

SLAB DRAWING: Show slab size, depth of slab and type of reinforcement used. Specify generator anchor details. Generator must be set as close to the building as allowable by code and spacing from the building **SHALL MEET** manufacturer's specifications.

RISER DRAWING Provide a complete electrical riser drawing including service size, panel(s), transfer switch, main disconnect(s) and generator installation. Show all wire, conduit, breaker sizes and equipment sizes/ratings

LOAD CALCULATION (To determine the size of the generator and transfer switch): A **whole house** generator system will be calculated with the optional method N.E.C. 220. Separate **EM" panel(s)** will be calculated at 100% of their load, Or by demand meter with approval of Chief Electrical Inspector per NEC 220.87 (1) exception (must provide information).

GENERATOR SPECS. Provide generator specifications for the generator including **KW rating, output amps, size of generator breaker, type of fuel being used and the sound rating.**

TRANSFER SWITCH: Required for all generators per N.E.C. 702.6 (specify rating).

MANUAL TRANSFER SWITCH:(OPTIONS)

- A. Size for the entire load of the service, or
- B. Size for dedicated optional standby NEC 702 panel(s), which may be built into the panel as a transfer switch with mechanical interlock, or a separate transfer switch. All loads to service must be identified. If cord connected, the receptacle shall be sized for at least the corresponding over current protection at the generator, or other over current protection device in front of the receptacle, not to exceed the output capacity of the generator.

AUTOMATIC TRANSFER SWITCH:(OPTIONS)

- A. Sized to transfer the entire load **whole house, load calculation per NEC 220**
- B. Pre-select **"EM" panel(s)** the load to be served with an existing panel or optional standby panel and transfer switch. **Loads at 100%**
- C. Provide automatic load shedding to reduce total load imposed on the generator, not to exceed output capacity of the generator.

SCREENING: Provide an **OPAQUE** screen around unit to screen the generator from the street and adjacent property views.

SOUND LIMITS: The decibel level shall not exceed the 75db level at the nearest property line.

SIGN: A sign shall be placed at the service-entrance equipment that indicates the location of on-site optional standby power sources. Per N.E.C. 702.8