

GENERATORS PLAN REVIEW



Electrical:

- Provide **Electrical one line or Riser Diagram** of all **service equipment**:
(Example: Grounding, Transformer(s), Meter(s), Main Distribution Panel, and Sub Panel(s) with conductor size/type and conduit size/type. (Note the **Existing and New Equipment**). **Information listed on the equipment should include:** Volts, Amps, Phase, and **AIC Rating**.
- Provide a summarized **load calculation** of the home or building. If load shedding is required, provide **load shed calculations** for the actual load(s) that will be shed. If there will be a separate emergency panel, designate the load(s) for this panel.

Note: Load calculations must show fuel source **LP** (Liquid Propane) or **NG** (Natural Gas), as this **will determine the power rating of the generator**.

- Provide **Factory Spec Sheets** for any **load shedding Modules** that will be used with the ATS.
 - Provide **Factory Spec Sheets** for the ATS (Automatic Transfer Switch).
 - Provide **Factory Spec Sheets** for the Generator.
 - Show all wiring methods and materials.
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- Gas type.
 - Isometric of piping layout (Including location of regulators).
 - Longest run of gas pipe (from source to farthest outlet).
 - Pipe type, size(s) and gas pressures.
 - Appliance(s) BTUH rating.
 - Gas table used for sizing.
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- Commercial generator requires concrete slab detail.

Site plan required.

Code Reference:

FBC Building 7th Edition (2020) Section 107.3.5
FBC Fuel Gas 7th Edition (2020) Section 402
FBC Residential 7th Edition (2020) Section G2413
NEC 2017 Article 220 - 250 - 408.4 - 445 - 702

This document is intended to be a guide and may not contain all requirements needed to obtain permits and approval from Manatee County.

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SATCHER**
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