COMMERCIAL PLANS REVIEW ELECTRICAL

- Legend showing Lighting and Power symbols used on drawings.
- Electrical site plan required. Panels and service equipment must be identified and located, and all circuits will be designated and identified on plans, Breaker number for everything electrical with size of wire and conduit size.
- 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.
- Show all grounding details.
- Provide Panel Schedule(s) listing: MLO (Main Lug Only) or MCB (Main Circuit Breaker), Ampacity of Panel, NEMA type, Voltage, Phase, AIC rating, show all overcurrent protection with interrupting rating.
- Provide GFCI requirements both inside and outside.
- Provide adequate Lighting Inside and Outside for proper illumination as required within, and at all entry/egress locations within the area outside on building. (provide requirements for occupant censor controls FBC Energy Conservation, Section C405.2.1)
- Show all low voltage.
- Show all communication systems.
- Show all emergency systems.
- Show all special occupancies.
- Provide Load Calculations.
- Location, voltage, horsepower, current, of every motor.
- Show all wiring methods and materials.
- All drawings need to be designed to FBC Energy Conservation 7th Edition (2020).
- Show NEC 2017 on plans.


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