COMMERCIAL ELECTRICAL REQUIRED DOCUMENTS

- ☐ 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 8th Edition (2023).
- ☐ Show NEC 2020 on plans.

Code Reference: FBC Building 8th Edition (2023) Section 107.3.5 NEC 2020

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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