

## **Exeter Town Offices**

### *Electrical Narrative*

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### *Existing Conditions*

#### *Power*

The facility was surveyed with Kevin Smart, Maintenance Superintendent, on November 30, 2005. The facility is served by a 400A, 208Y/120V, three-phase, four-wire electrical service. The service enters the building underground, from a pole mounted transformer, located on Front Street. A revenue meter is mounted on the building. Latest demand displayed is 15.69kW. It is unknown what, if any, the multiplier may be but there appears to be a current transformer (CT) cabinet mounted below. A 400A, 208Y/120V, three-phase, four-wire, main breaker service panel is located in the basement. It was installed in April of 1995. Short circuit rating is 10,000A symmetrical. Sub panels are located throughout the building. Most are in good condition. Some are single phase 208/120V and some are three phase. Sub panels have been added in the past few years in an attempt to alleviate overloaded circuits by adding additional circuits.

A small propane gas powered generator is located outside. It is rated 5.3 kVA, 240/120V, single phase, is manufactured by Kohler, and appears to be in fair condition. It has 40hours of run time on it. There is a fair amount of sunflower seeds inside the enclosure suggesting that animals have been living there. It is used to provide back-up power for the furnace.

#### *Wiring Methods*

Wiring within the building is by single conductor wires in EMT conduit, single conductor wires in surface raceway and metal clad cable. Any new wiring installed is surface mounted as no access can be gained in the walls.

#### *Lighting*

Interior lighting is primarily fluorescent. Acrylic lensed troffers, surface and strip fixtures predominate.

No battery backed-up egress lighting units or exit signs were seen.

#### *Communication Systems*

Communication wiring enters the facility in the basement. Category 5 wiring is installed for both voice and data wiring. Media Connects is the system provider. The wiring appears in good working condition.

There is a security system installed with a keypad located in the front lobby area.