PARAMUS BUILDING DEPARTMENT

EV CHARGER REQUIREMENTS FOR PLAN REVIEW

EVC follow the 2020 NEC Article 625: In order to provide a complete and accurate review, please provide the following information:

1.) **Provide the specifications including labeling and listing for the charger being installed**
2.) **Is this an outlet or a hardwired unit? See section 625.43-disconnecting means & 625.54- GFCI requirements**
3.) **Is there a generator on premise? Will the EVC be load managed?**
4.) **Provide current service size and a load calculation including the chargers at 100% 625.42 Rating**
5.) **Provide load calculation on panel that will be providing power to EVC**

If in fact the EVC was installed WITHOUT permits in the past, the installation is subject to current code accepted at the time of the application

625.43 Disconnecting Means. For equipment rated more than 60 amperes or more than 150 volts to the ground, the disconnecting means shall be provided and installed in a readily accessible location. The disconnecting means shall be lockable open in accordance with 100.25.

625.42 Rating. The power transfer equipment shall have sufficient rating to supply the load served. Electric vehicle charging loads shall be considered to be continuous loads for the purpose of this article. Service and feeder shall be sized in accordance with the product ratings. Where an automatic load management system is used, the maximum equipment load on a service and feeder shall be the maximum load permitted by the automatic load management system.

625.54 GFCI-Ground-fault Circuit-Interrupter Protection for Personal. In addition to the requirements in 210.8, all receptacles installed for the connection of the electric vehicle charging shall have group-fault circuit-interrupter protection for personal