



**NASSAU COUNTY FIRE COMMISSION  
OFFICE OF THE FIRE MARSHAL**

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# **FIRE MARSHAL BULLETIN**

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## **Electric Vehicle Charging Station Fire Safety Requirements**

This Nassau County Fire Marshal Bulletin is being created for familiarization, and to identify and ensure that the required building and fire code standards are being instituted on all Electric Vehicle Charging Stations throughout Nassau County; and furthermore, this FM Bulletin identifies codes from the Uniform Fire Prevention and Building Codes of NYS and the Nassau County Fire Prevention Ordinance. The safety of firefighters and first responders is dependent upon these code requirements being strictly adhered to and implemented by the local NYS code enforcement officials, and deficiencies should be reported to the Fire Marshal's Office for correction and enforcement.

### **New York State Building Code**

#### **406.2.7 Electric vehicle charging stations.**

Where provided, electric vehicle charging stations shall be installed in accordance with NFPA 70. Electric vehicle charging system equipment shall be listed and labeled in accordance with UL 2202. Electric vehicle supply equipment shall be listed and labeled in accordance with UL 2594. Accessibility to electric vehicle charging stations shall be provided in accordance with Chapter 11.

### **NFPA 70 The National Electric Code**

#### **Article 625 Electric Vehicle Charging System**

### **NFPA 70 NEC Article 110 Requirements for Electrical Installations**

#### **Article 110.27(b) Prevent Physical Damage.**

In locations where electrical equipment is likely to be exposed to physical damage, enclosures or guards shall be so arranged and of such strength as to prevent such damage. Vehicle impact protection to meet 2020 FC-NYS Subsection 312.2 Posts.

### **NCFPO Section 4.8 Electric Vehicle Charging Systems**

**4.8.1** Electric vehicle charging systems shall be installed to NFPA 70

**4.8.2** Signage stating the location of service switches and/or circuit breakers shall be affixed to all fixed electric vehicle charging units. Signage shall be conspicuous posted on each charging unit.

Letters shall be a minimum of ¾ inch in height, with white letters and red background.

**4.8.3** Service switches and/or circuit breakers for electric vehicle charging unit shall be labeled for the use.

**4.8.4** Access shall be maintained for emergency service to shut down charging units.

**4.8.5** Electric vehicle charging systems shall not be located under buildings, overhangs, awnings, or underground parking garages.

Exception: Building has an approved fire sprinkler system.

***Local building departments require an electrical permit before starting installation.***