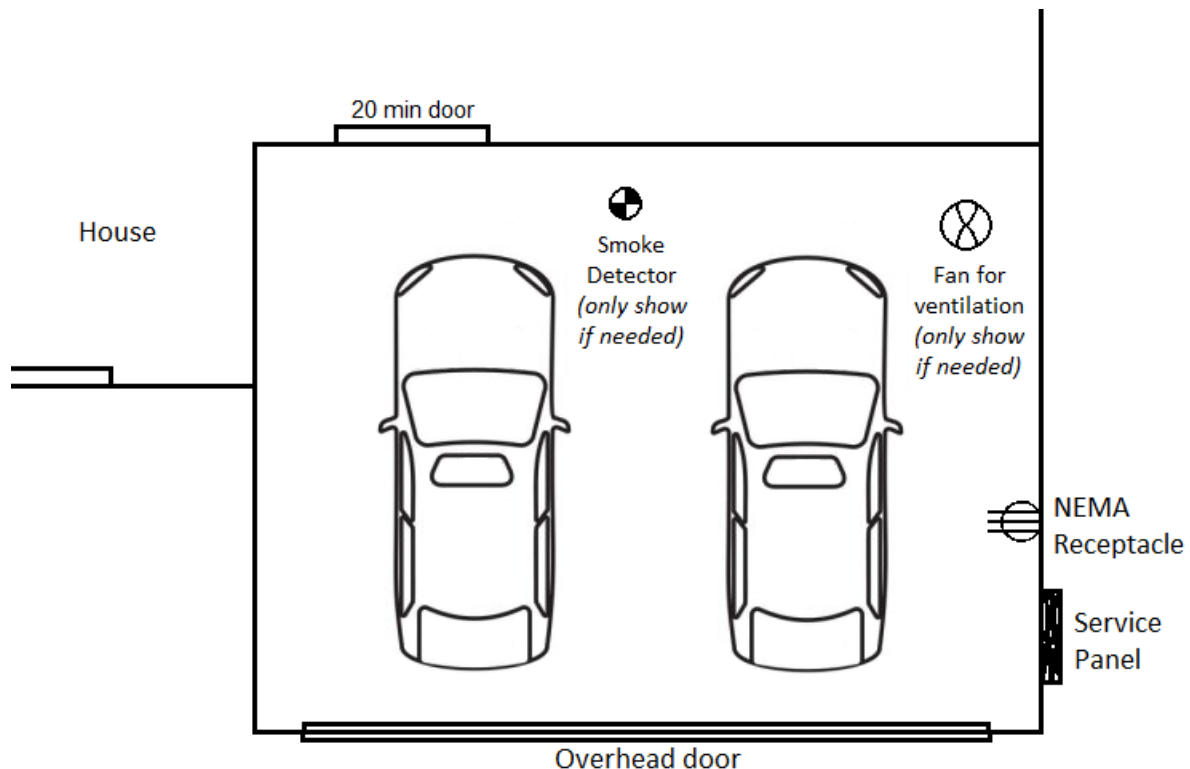


APPLICATION REQUIREMENTS FOR RESIDENTIAL ELECTRIC CAR CHARGERS

Residential car chargers shall comply with Article 625 of the 2020 National Electrical Codes as well as Chapters 34 to 43 of the International Residential Code.

Please provide the following:

1. Application (description of work needs to include “Panel Upgrade” if applicable).
2. One-line diagram, clear and legible (see next page for sample). Show charger on its own circuit.
3. UL listing number (this is mandatory), include this on the One-line diagram.
4. Electrical load calculations using [IRC Table E3602.2](#) Service Load Calculation. If using house panel, also use [IRC Table 3704.2\(1\)](#) Feeder Load Calculation.
5. Specifications and Installation Manual of the car charger. Highlight which charger is being installed and all items that apply. This information must be used in the One-line diagram.
6. If a service panel upgrade is required, provide a picture of the panel open to live parts and a picture of the panel label.
7. Provide a diagram of the location of the service panel and the NEMA receptacle (see sample below). If ventilation is required, indicate this on the diagram. Also, if the charger can be used as a generator, show the location of the smoke detector on the diagram.



SAMPLE ONE-LINE DIAGRAM

Address: _____
Herriman, UT 84096

Existing meter size and listing
(to verify disconnect availability)

Meter Upgrade (if needed)

