



## **ELECTRIC VEHICLE CHARGER**

**BUILDING DIVISION**

A site plan and/or a floor plan (if located inside a building) must be provided showing the following information:

1. Existing building (s) and structure (s).
2. Location and layout of the proposed EV charging station.
3. All disconnect sizes, conduits and conductors, routing/sizes, and location of panel/sub-panels connected to the EVCS system and the meter panel.

Electrical plans and calculations must be signed and stamped by a California registered Electrical Engineer or the licensed Electrical Contractor (C-10) who is responsible for the design and installation of the system.

The electrical plans shall include the following information:

1. Single-line diagrams showing the system, point of connection to the power supply and the charging unit(s).
2. Electrical load calculations.
3. Fault current calculations.
4. Electrical panel schedule.
5. Manufacturers' data sheet for the listed charging equipment.
6. Amperage supplied to charge the electric vehicle.

**Provide the following at the time of inspection:**

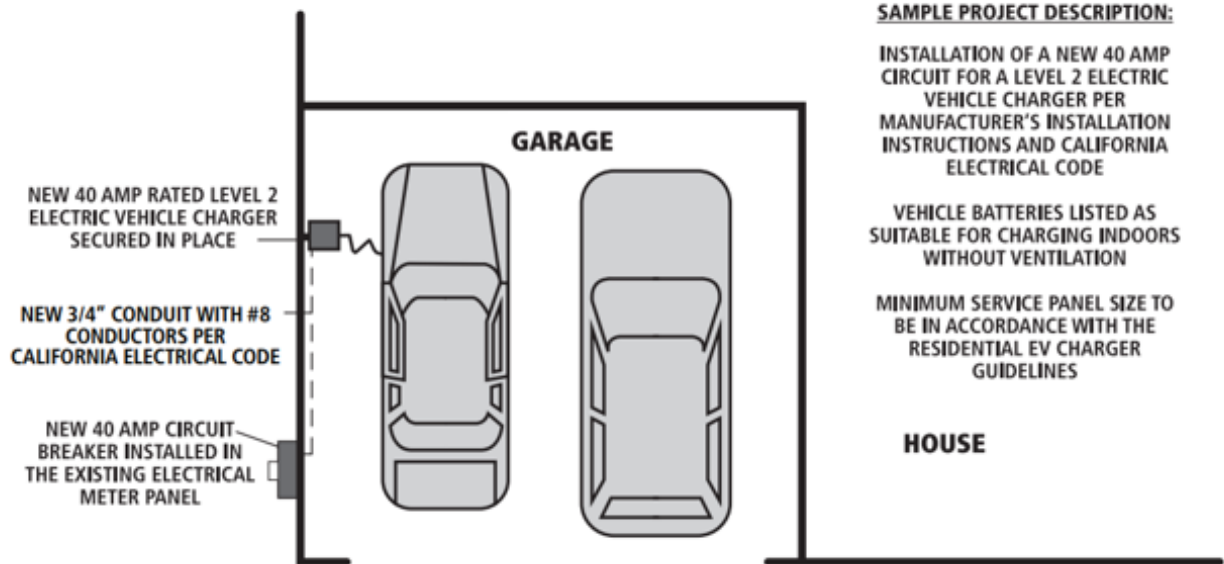
1. Access shall be provided to all equipment including the electrical service equipment that supplies power to the EVCS. Inspectors are not authorized to open energized electrical equipment. A responsible person shall be present to open any live electrical equipment for inspection.
2. In addition to all plans and calculations, the EVCS manufacturer's installation instructions shall be provided on site.
3. All plans and documents listed above must be provided for residential private garages on site.



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## Sample site/floor plan



Note: For illustration purpose only