



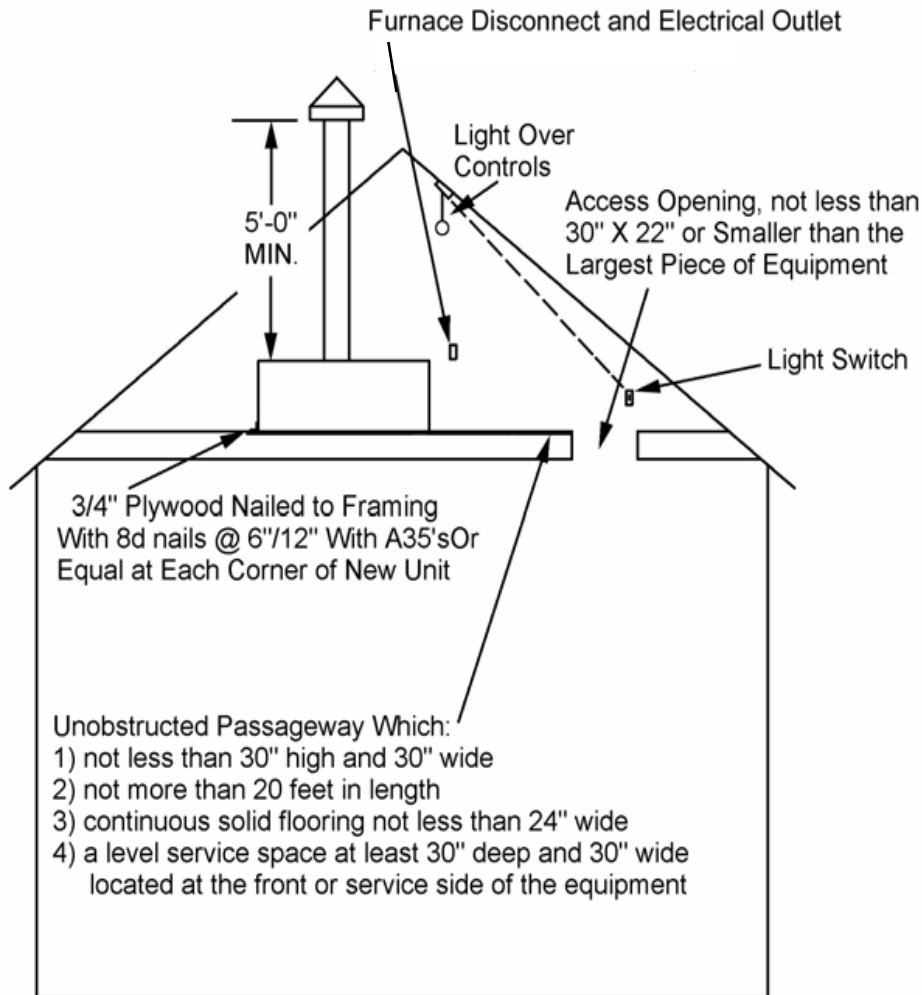
## GENERAL INFORMATION

A building permit is required for furnace installations or replacements. A permit is required to replace an existing furnace and is required prior to installation. Following is a listing of the general requirements for furnace replacements based on the 2022 California Mechanical Code, 2022 California Plumbing Code, and the 2022 California Electrical Code.

- An approved, independent means of disconnect for the electrical supply to each piece of equipment shall be provided in sight of the equipment served when the supply voltage exceeds 50 volts. [CMC 301.4, CEC 422.3 (A&B), CEC 422.33(A)]
- A dedicated circuit shall be provided for the furnace. [CEC 422.12]
- A 120-volt service receptacle shall be located within 25 feet of, and on the same level as, the equipment for maintenance. The service receptacle shall not be connected on the load side of the required means of disconnect. [CMC 301.4]
- A permanent switch controlled lighting fixture shall be installed for maintenance of equipment is required and shall be accessible. Such fixture shall provide sufficient illumination to safely approach the equipment and perform the tasks for which access is provided. Control of the lighting shall be provided at the access entrance. (CMC 304.4.4 and CEC 210.70)
- Combustion air must be maintained per California Mechanical Code. [CMC Chapter 7]
- The clear space and distance to combustible materials around the furnace unit shall comply with the manufacturer's installation instructions. [CMC 904.2(1)]
- A sediment trap shall be installed on the gas line downstream of the appliance shut-off valve and as close to inlet of the equipment as practical. Refer to diagram on the reverse side of this page for installation details. [CPC 1210.7]
- Appliances in residential garages and in adjacent spaces that open to the garage and are not part of the living space of a dwelling unit shall be installed so that all burners and burner-ignition devices are located not less than 18 inches (457 mm) above the floor unless listed as flammable vapor ignition resistant. [CPC 507.13]
- Appliances installed in garages, warehouses, or other areas subject to mechanical damage shall be guarded against such damage by being installed behind protective barriers or by being elevated or located out of the normal path of vehicles.[CMC 305.1.1]
- The furnace shall be properly anchored and supported to sustain vertical and horizontal loads within the stress limitations specified in the California Building Code. [CMC 303.4]
- All new installations and replacements require a completed Certificate of Compliance & Installation from the California Energy Commission.

- Furnaces located in an attic area shall comply with the diagram below. Additionally, if the attic and roof is conventionally framed, ceiling joist under the location of the FAU unit shall be doubled with a minimum 2x6 joists. If the attic and roof framing is a pre-fabricated engineered truss system, an engineering report (wet stamped and signed by a licensed engineer) shall be submitted for review and approval prior to issuance of a building permit. [CMC Chapter 9]

### ATTIC FURNACE DIAGRAM



### SEDIMENT TRAP DIAGRAM

