



WHOLE HOUSE FAN INSTALLATION STANDARD POLICY

We have found that a whole house fan improperly installed can be a serious problem. To help you decide if a whole house fan can be installed in your home, please follow these guidelines to prevent a potential problem from occurring.

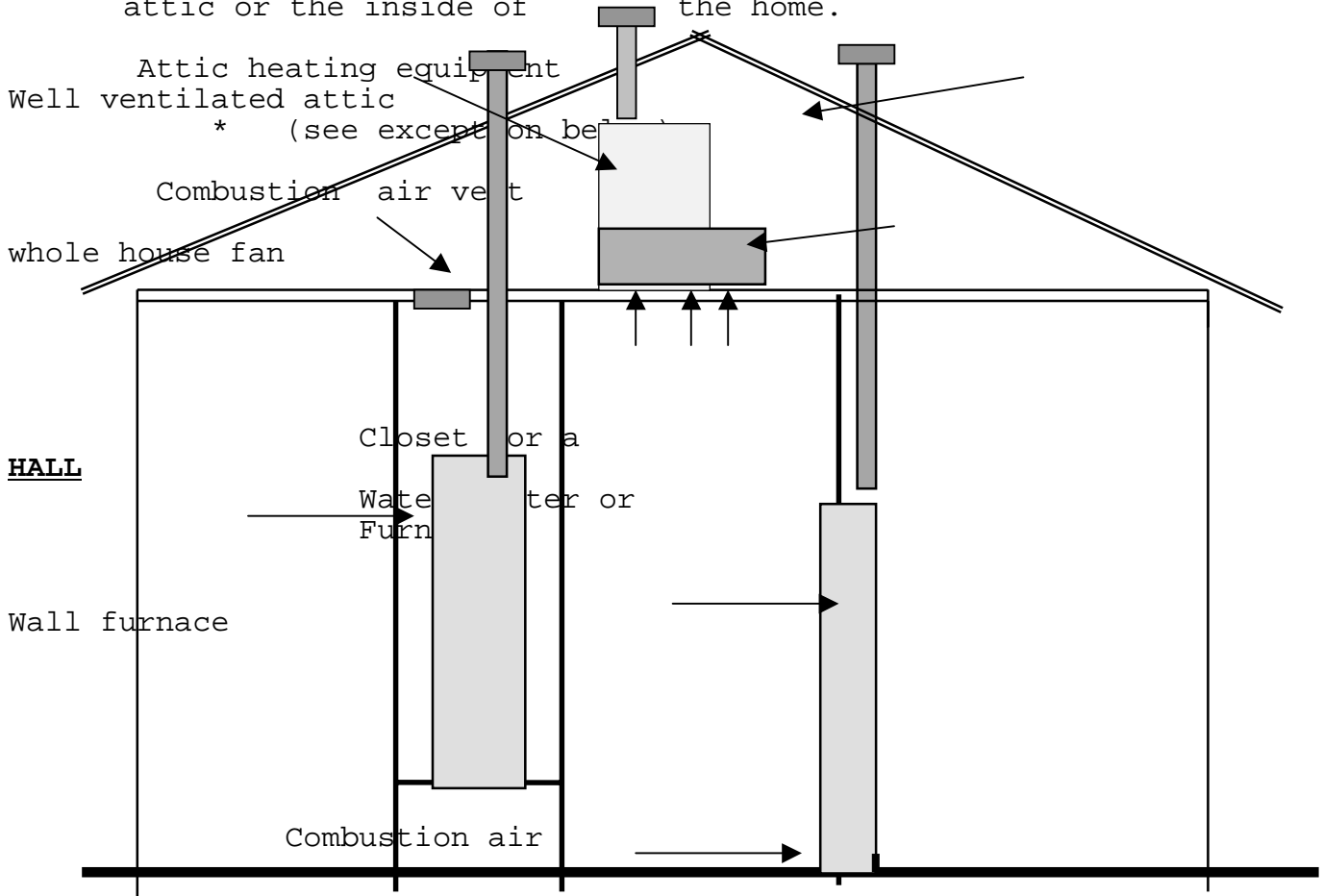
The installation of a whole house fan can be accomplished when the following steps are used:

1. Prior to purchasing a fan, survey your home to determine if gas appliances are in your attic or if one obtains combustion air from within the home. A whole house fan should not be installed if your home has a wall furnace or the water heater is located inside the home.
2. If you determine that a whole house fan will not conflict with the operation of any gas fired appliance, you may purchase your fan. **(If existing gas appliances conflict, see item 5 below)**
3. A whole house fan is considered an appliance that requires an electrical disconnect, install an electrical disconnect at or near the fan, for servicing the fan.
4. Most fans can be installed without a separate circuit, but if a new circuit is required, the wiring must originate at the electrical main or sub panel. **Have the installation instructions for the fan available for the inspector.**
5. When you have conflicts with other gas appliances and you want to go ahead with the installation, you have three options:
 - 1) Enclose the gas appliances and obtain combustion air from an outside source;
 - 2) Duct the whole house fan directly to the exterior; or
 - 3) Provide a switching device that allows only one of the appliances (fan or furnace) to be on at a time.



A WHOLE HOUSE FAN SHALL NOT BE INSTALLED WHEN THE FOLLOWING CONDITIONS EXIST:

1. A heating appliance is located in the attic.
2. A heating appliance derives its combustion air from either the attic or the inside of the home.



* EXCEPTION: 1) Enclose the gas appliance and obtain combustion air from an outside source.

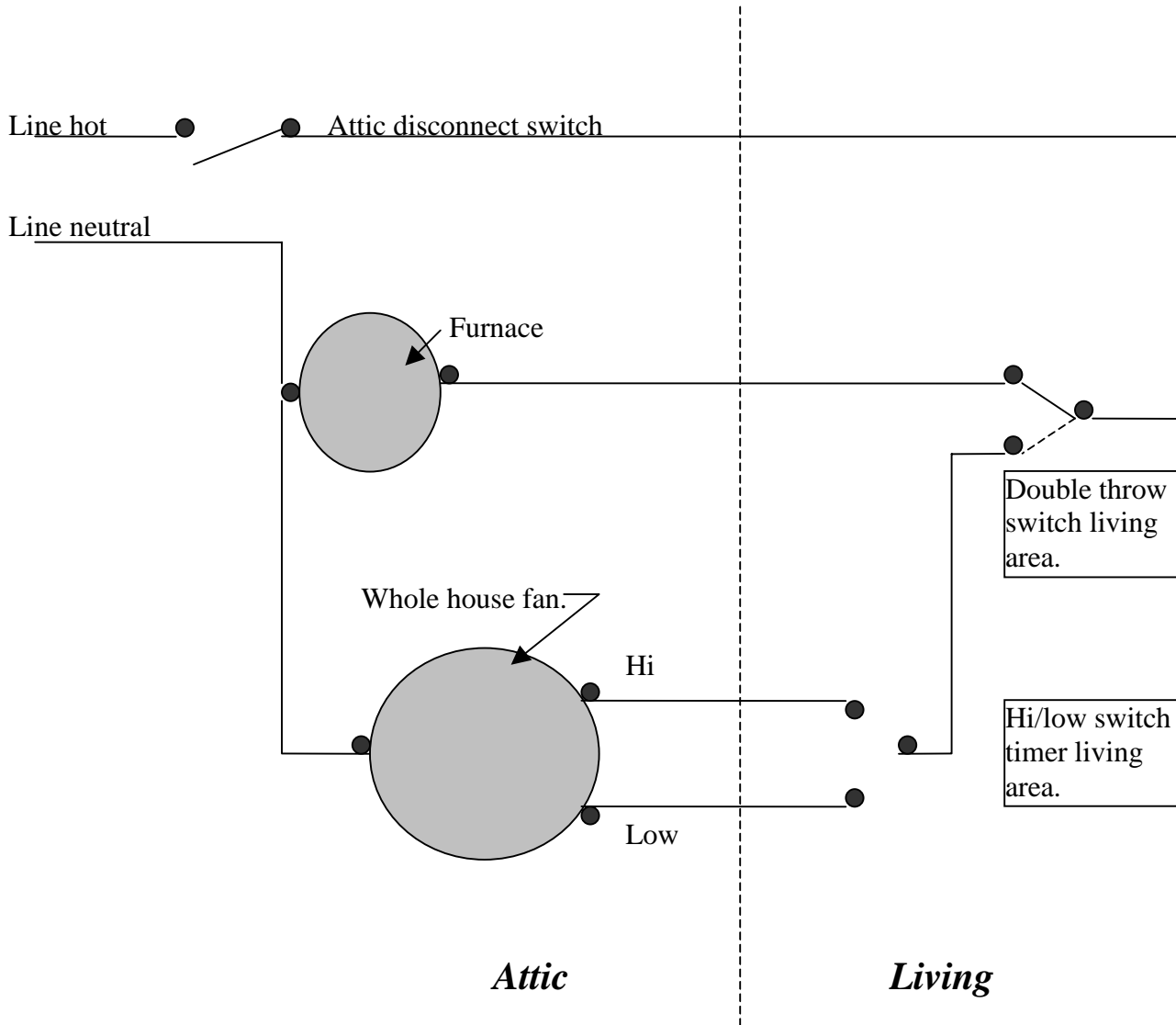
2) Duct the whole house fan directly to the exterior.

3) Provide a switching device that allows only one of the appliances (fan or furnace) to be on at a time.

WHOLEHOUSE FAN / RELAY WIRING DIAGRAM

(First Option)

It has come to the attention of this Department that a standard procedure was needed to permit the installation of a whole house fan where a gas appliance such as a furnace is also installed in the attic or the furnace obtains combustion air from the attic.



NOTE: Intended only as an aid for design, circuits, contacts, conductors, disconnect switches must be sized & located per CEC & site conditions.

