

# SMOKE DETECTORS

## Section 310.9.1

- \* Revised definition has eliminated the requirement for a "label or other identification issued by an approved testing agency" and simply requires an "approved" device.
- \* Smoke detectors in new construction shall be equipped with a battery backup.
- \* This additional power source will allow the smoke detectors to continue their vital task when the commercial source is interrupted.

Primary power  
from commercial  
source.



Battery  
Backup

Smoke Detector  
In new construction

Smoke Detectors shall be:

- \* Required in every dwelling unit, congregate residence and in all guest rooms of hotels and lodging houses.
- \* Installed in accordance with the approved manufacturer's instructions.
- \* Installed when sleeping room added to a group R occupancy or repairs or additions requiring permit exceed \$1,000 valuation.
- \* Hard-wired in new construction and equipped with a battery backup (battery-operated permitted in existing buildings).

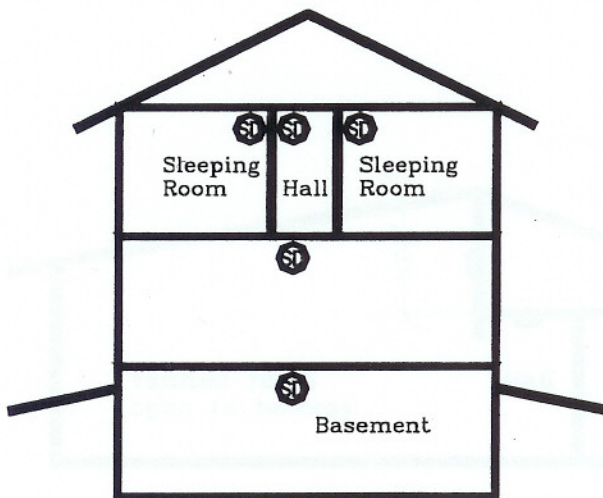
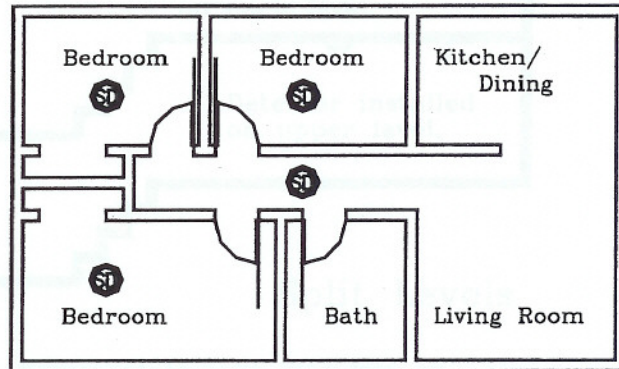
## SMOKE DETECTORS

### Section 310.9.1.4

- \* Smoke detectors are required within each sleeping room of a dwelling unit.
- \* Detectors in sleeping rooms are in addition to those required in other areas.
- \* Placing detectors within the rooms will provide the early warning the occupants of those rooms need when the fire begins within the sleeping room.

Smoke detectors in each sleeping room.

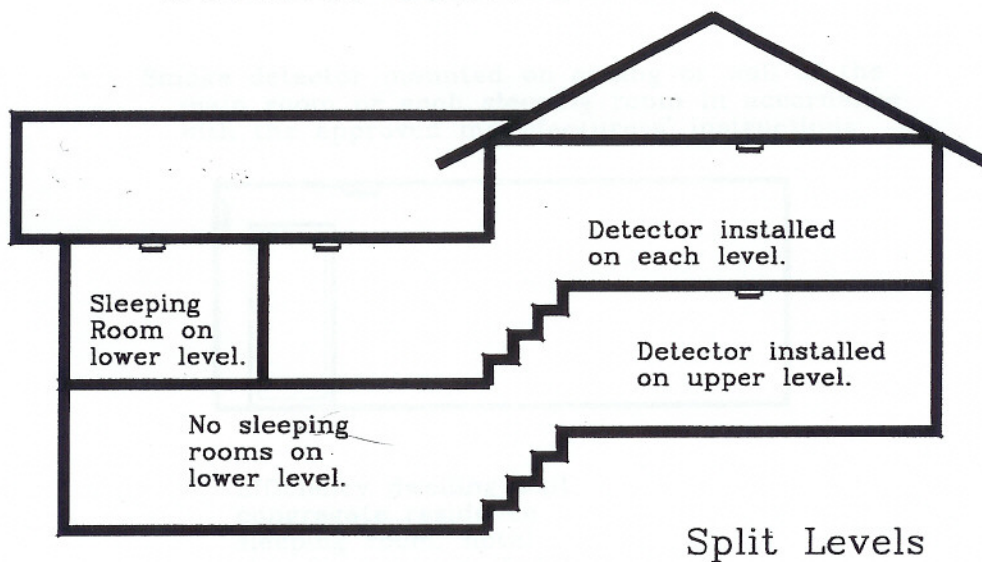
Smoke detector centrally located in hallway



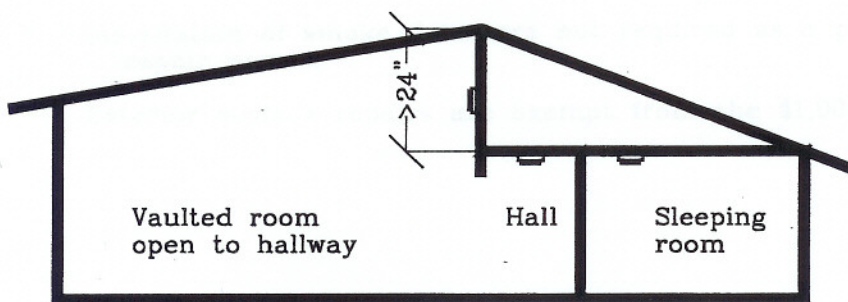
### SMOKE DETECTORS SHALL BE:

- \* Installed in each sleeping room and adjacent area.
- \* Installed on all stories and in basement.
- \* Audible in every sleeping area.

## SMOKE DETECTORS Section 310.9.1.4



In dwelling units where a story or basement is split into two or more levels, the smoke detector shall be installed on the upper level, except when the lower level contains a sleeping area, a detector shall be installed on each level.

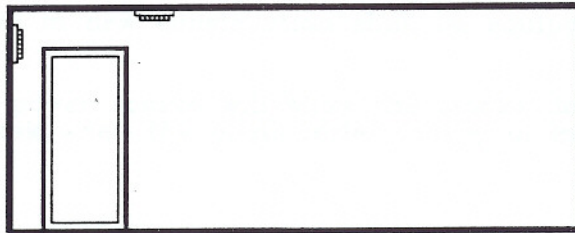


In dwelling units where the ceiling height of a room open to the hallway serving the bedrooms exceeds that of the hallway by 24 inches or more, smoke detectors shall be installed in the hallway and in the adjacent room.

## SMOKE DETECTORS

### Section 310.9.1.5

- \* Smoke detector mounted on ceiling or wall of the main room or each sleeping room in accordance with the approved manufacturers' instructions.



Efficiency dwelling unit,  
congregate residence  
sleeping room, hotel  
sleeping room or hotel  
suite.

## ADDITIONS, ALTERATIONS OR REPAIRS TO GROUP R OCCUPANCIES

### Section 310.9.1.2, Exception

- \* Installation of smoke detectors not required as a part of exterior surface repair permit.
- \* Exterior surface repairs are exempt from the \$1,000 valuation limit.