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SUBMIT ELECTRONIC PLANS ▪ TRACK STATUS▪ REQUEST INSPECTION

REQUIREMENTS FOR SMOKE & CARBON MONOXIDE (CO) ALARMS IN SINGLE FAMILY RESIDENTIAL

SMOKE ALARM

Per **CRC 2022 Section R314.8.2**, when alterations, repairs, or additions occur requiring a permit which exceeds **$1,000**, smoke alarms shall be provided. They may be battery operated per **§R314.6** in the following locations per **§R314.3**:

1. Inside each sleeping area.
2. Outside each separate sleeping are in the immediate vicinity of the bedrooms.
3. On each story within a dwelling unit, including basement.
4. Smoke alarms shall be installed with **36"** of the horizontal path from the supply registers of an FAU or cooling system and not in the direct path of airflow.
5. Smoke alarms shall not be installed within **36"** horizontal path from the fan tip of a ceiling fan.

CARBON MONOXIDE ALARM

According to **CRC 2022 §R315.2.2**, all alterations, repairs or additions occur requiring a permit, not previously required to be provided with carbon monoxide alarms, new carbon monoxide alarms shall be installed. They may be battery operated per **§R315.6** in the following locations per **§R315.3**:
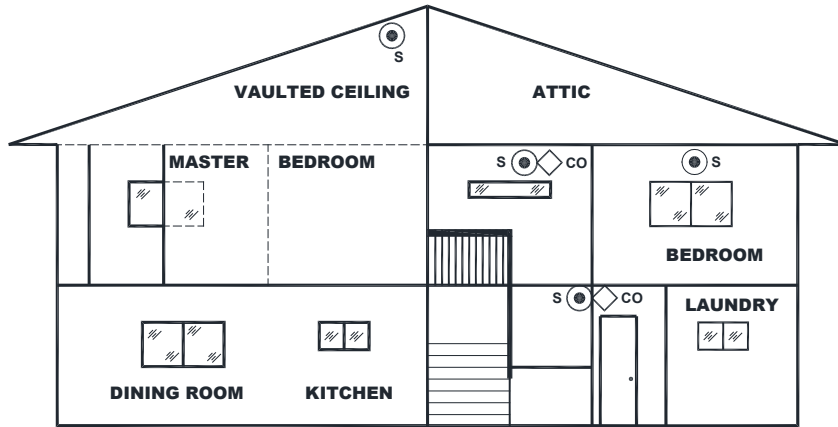
1. Outside of each separate dwelling unit sleeping area in the immediate vicinity of the bedroom(**s**).
2. On every level of a dwelling unit including basements.

Compliance with these requirements will be field verified prior to the final inspection of this building permit project.
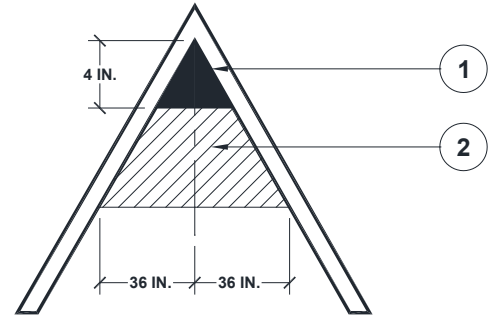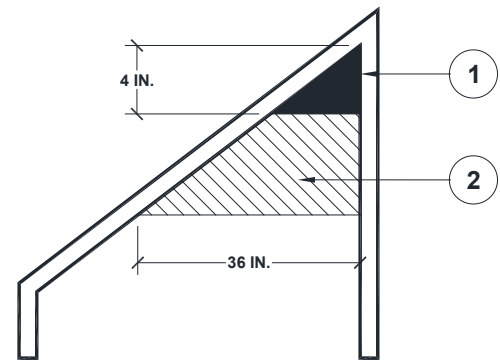
Approved by: _____ Zack Neighbors, CASp, CBO
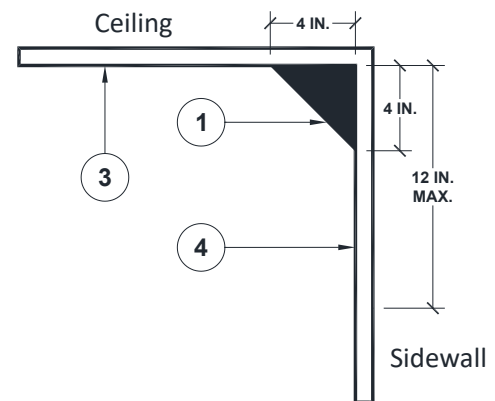   Signature   **Building & Safety Services Director**

VAULTED CEILING **ATTIC**

MASTER | **BEDROOM**

S ◇ CO   S

BEDROOM

S ◇ CO   **LAUNDRY**

DINING ROOM **KITCHEN**

ELEVATION

4 IN. 1

2

36 IN. **36 IN.**

MOUNTING FOR ALARMS WITH PEAKED CEILINGS

LIVING ROOM

BEDROOM S   **BEDROOM** S

S ◇ CO

HALLWAY

UP

DINING ROOM **KITCHEN**   **BATHROOM**

LAUNDRY

1ST FLOOR SITE PLAN

4 IN. 1

2

36 IN.

MOUNTING FOR ALARMS WITH SLOPED CEILINGS

MASTER BEDROOM S

GAMEROOM **BEDROOM** S

HALLWAY S ◇ CO

DN   **BATHROOM**

MASTER BATHROOM **CLOSET**   **BEDROOM** S

2ND FLOOR SITE PLAN

Ceiling   4 IN.

4 IN.

1

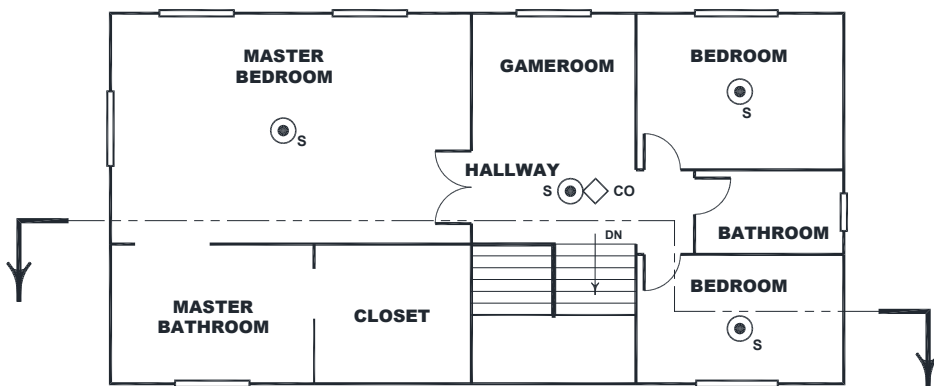3   12 IN. MAX.

4

Sidewall

MOUNTING FOR ALARMS ON CEILING OR SIDEWALL*

1. Not in this area.
2. Anywhere in this area.
3. Acceptable
4. Top of alarm acceptable here
* Measurements shown are to the closest edge of the alarm.
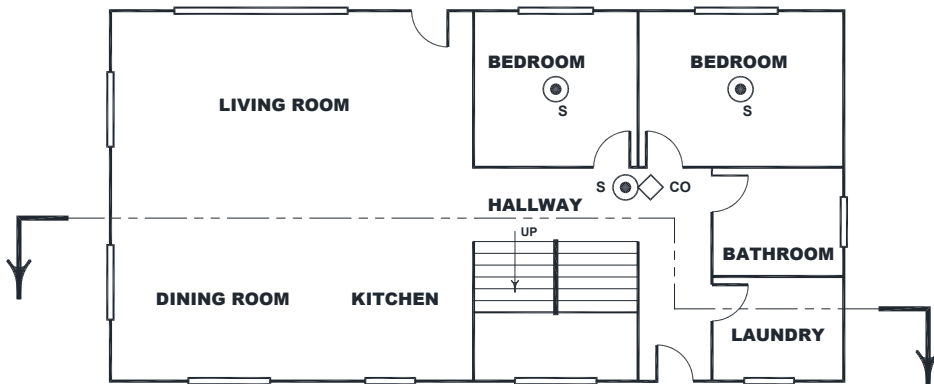
SMOKE & CO ALARM LEGEND

S Smoke | ◇CO Carbon Monoxide | Combination

NOTE
1. Use manufacture's manual for specific installation instructions.
2. Smoke & Carbon Monoxide Alarm shall be located on the basement ceiling near the entry to the stairs.