

N. C. CODE REQUIREMENTS FOR RESIDENTIAL SMOKE ALARM and CARBON MONOXIDE ALARMS FOR ALTERATIONS, REPAIRS AND ADDITIONS

SMOKE DETECTORS:

Section R314 of the 2012 NC Residential Building Code reflects new requirements for smoke detectors which will potentially affect portions of the existing house whenever additions, alterations or repairs to a single family house or duplex take place. Please read the following carefully in order to be aware of how this will affect this particular permit.

Section R314.3 requires smoke detectors in the following locations in single family and duplex homes:

- 1) In each sleeping room.
- 2) Outside each separate sleeping area in the immediate vicinity of the bedrooms.
- 3) On each additional story of the dwelling, including basements and habitable attics (finished) but not including crawl spaces, uninhabitable (unfinished) attics and uninhabitable (unfinished) attic- stories. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.
- 4) Multiple smoke alarms are required to be electrically wired and interconnected .

For alterations, repairs and additions, section R314.3.1 allows two exceptions:

- 1) Work involving exterior surfaces only, such as the replacement of a roof or siding, or the addition or replacement of windows or doors, or the addition of a porch or deck is exempt from the requirements of this section.
- 2) Installation, alteration or repairs of plumbing or mechanical equipment are exempt from the requirements of this section.

Also, per R314.4:

Interconnection and hard wiring of smoke alarms in existing areas shall not be required where the alterations or repairs do not result in the removal of the interior wall or ceiling finishes. The location would be the same (as above) but may be battery powered and shall be designed to emit a recurring signal when batteries are low and need to be replaced.

CARBON MONOXIDE ALARMS:

In new construction, R315.1 shall apply.

Section R315.2 reflects requirements in existing dwellings where interior alterations, repairs fuel-fired appliance replacements, or additions requiring a building permit occurs, or where one or more sleeping rooms are added or created, or where fuel-fired appliances or fireplaces are added or replaced, carbon monoxide alarms shall be provided in accordance with section R315.1 "outside of each sleeping area in the immediate vicinity of the bedroom(s) as directed by the alarm manufacturer".

Per Section R315.3, the required carbon monoxide alarms shall be audible in all bedrooms over background noise levels with all intervening doors closed. Single station carbon monoxide alarms shall be listed as complying with UL 2034 and manufacturer's installation instructions.

I HAVE READ AND UNDERSTAND THAT SMOKE DETECTORS AND CARBON MONOXIDE ALARMS WILL BE REQUIRED TO BE INSTALLED IN CONJUNCTION WITH THIS RESIDENTIAL PROJECT AS SPECIFIED ABOVE.

NAME (PRINTED): _____

SIGNATURE: _____

DATE: _____

ADDRESS FOR WORK SITE: _____