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Johnny McAlister Jr
Building Commissioner

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Rule 4.4. 2020 Indiana Residential Code

8/11/2020

2020 Indiana Residential Code

--PROTECTION FROM IMPACT--

SUMMARY:

M1307.3.1 Protection from impact.

Building appliances and their appurtenances shall be installed outside the intended vehicle travel path. Vehicle travel path shall be determined by the garage door rough opening width. When building appliances and their appurtenances cannot be installed outside the vehicle travel path due to design and construction restraints, such appliances shall be protected by one of the following methods:

1. Installed in an adjacent but separate equipment room within the garage; or
2. Installed in an adjacent equipment alcove within the garage that has a raised floor or platform that is at least twenty-four (24) inches higher than the garage floor; or
3. Install bollard(s) that are a minimum three-inch diameter schedule 40 steel pipe embedded a minimum of 18 inches below grade and at least 24 inches above the garage floor with pipe cap, or
4. Install bollard(s) that are a minimum three-inch diameter schedule 40 steel pipe with a welded 8 inches by 8 inches by one quarter (1/4) inch base plate anchored to the garage floor slab using one half (1/2)-inch wedge anchors or equivalent with a minimum embedment of 2 1/4 inches. Height of bollard to be at least 24 inches (610 mm) above garage floor with pipe cap; or
5. Install a minimum 72 inches long by 6 inches wide by 4 inches (1829 mm × 152 mm × 102 mm) high bumper curb that is anchored to the concrete floor.

SECTION R310

EMERGENCY ESCAPE AND RESCUE OPENINGS R310.1

Emergency escape and rescue opening required. Basements, habitable attics and every sleeping room shall have not less than one operable emergency escape and rescue opening. Where basements contain one or more sleeping rooms, an emergency escape and rescue opening shall be required in each sleeping room. Emergency escape and rescue openings shall open directly into a public way, or to a yard or court that opens to a public way.

Exception: 1. Storm shelters and basements used only to house mechanical equipment not exceeding a total floor area of 200 square feet.

THIS IS WHERE YOU CAN GET THE CODES:

[2020 Indiana Residential Code](#) (free, fully integrated, read-only digital copy)

<https://codes.iccsafe.org/content/document/1562>

To purchase the fully integrated "2020 Indiana Residential Code" go to the ICC website
shop.iccsafe.org/state-and-local-codes/indiana/2020-indiana-residential-code.html

TABLE N1102.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT*

CLIMATE ZONE	FENESTRATION U-FACTOR ^b	SKYLIGHT U-FACTOR ^b	CEILING R-VALUE	WOOD FRAME R-VALUE	MASS WALL R-VALUE ^a	FLOOR R-VALUE	BASEMENT WALL R-VALUE ^c	SLAB R-VALUE & DEPTH ^d	CRAWL SPACE WALL R-VALUE
4	0.35	0.60	38	15	5/10	19	10 /13	10; 2 feet	10/13

- a. R-values are minimums. U-factors are maximums. Batts compressed into a framing cavity such that the R-value is reduced by R-1 or more shall be marked with the compressed batt R-value in addition to the full thickness R-value.
- b. The fenestration U-factor column excludes skylights.
- c. The first R-value applies to continuous insulation, the second to framing cavity insulation; either insulation meets the requirement.
- d. Minimum of R-5 shall be provided under the full slab area of heated slabs in addition to the required slab edge insulation R-value for slab as indicated in the table. The slab edge insulation for heated slabs shall not be required to extend below the slab.

New code changed the WALL INSULATION to R-15.

R602.7.5 Supports for headers.

Headers shall be supported on each end with one or more jack studs or with approved framing anchors in accordance with Table R602.7(1) or R602.7(2). The full-height stud adjacent to each end of the header shall be end nailed to each end of the header with four-16d nails (3.5 inches × 0.135 inches). The minimum number of full-height studs at each end of a header shall be in accordance with Table R602.7.5. TABLE R602.7.5 MINIMUM NUMBER OF FULL-HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS*

MAXIMUM HEADER SPAN (feet)	ULTIMATE DESIGN WIND SPEED AND EXPOSURE CATEGORY	
	< 140 mph, Exposure B or < 130 mph, Exposure C	≤ 115 mph, Exposure B ^b
4	1	1
6	2	1
8	2	1
10	3	2
12	3	2
14	3	2
16	4	2
18	4	2

For SI: 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s. a. For header spans between those given, use the minimum number of fullheight studs associated with the larger header span. b. The tabulated minimum number of full-height studs is applicable where jack studs are provided to support the header at each end in accordance with Table R602.7(1). Where a framing anchor is used to support the header in lieu of a jack stud in accordance with Note d of Table R602.7(1), the minimum number of full-height studs at each end of a header shall be in accordance with requirements for wind speed < 140 mph, Exposure B.

CARBON MONOXIDE ALARMS R315.1

Carbon monoxide alarms shall be provided in accordance with Sections R315.2.1 and R315.2.2. R315.2.1 New construction. For new construction, carbon monoxide alarms shall be provided in dwelling units where either or both of the following conditions exist. 1. The dwelling unit contains a fuel-fired appliance. 2. The dwelling unit has an attached garage with an opening that communicates with the dwelling unit. R315.2.2 Alterations, additions, and systems replacement. Where alterations, additions, or complete replacement of the electrical system requiring a permit occurs, the individual dwelling unit shall be equipped with carbon monoxide alarms located as required for new dwellings. Exceptions: 1. Work involving the exterior surfaces of dwellings, such as the replacement of roofing or siding, or the addition or replacement of windows or doors, or the addition of a porch or deck. 2. Installation, alteration or repairs of plumbing or mechanical systems. 3. Electrical installations or alterations for existing rooms other than newly constructed or relocated bedrooms. 4. Electrical work, which is limited to the replacement, relocation, or upgrade of an existing service panel or meter base.

R315.3 Location. Carbon monoxide alarms in dwelling units shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms. Where a fuel-burning appliance is located within a bedroom or its attached bathroom, a carbon monoxide alarm shall be installed within the bedroom.

R315.4 Combination alarms. Combination carbon monoxide and smoke alarms shall be permitted to be used in lieu of carbon monoxide alarms.