

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

**Non-Rule Policy
of the
Fire Prevention and Building Safety Commission**

Title
2020 Indiana Residential Code (675 IAC 14-4.4)
Table R301.2(1) and Figure R301.2(2)
Seismic Design Category Classification of Monroe County

Purpose

This policy resolves a conflict between differing seismic design category classifications for Monroe County found in Table R301.2(1) and Figure R301.2(2) of the 2020 Indiana Residential Code.

Background

The 2020 Indianan Residential Code, which went into effect on December 26, 2019, incorporates and amends the first printing of the 2018 International Residential Code for One- and Two-Family Dwellings. *See* 675 IAC 14-4.4. Table R301.2(1) and Figure R301.2(2) of the 2020 Indiana Residential Code both provide the Seismic Design Category Classifications for all 92 counties in Indiana and are intended to mirror each other, however, these two items provide conflicting classifications for Monroe County.

Table R301.2(1) of the 2020 Indiana Residential Code, which was amended from its original form in the 2018 International Residential Code, places Monroe County in Seismic Design Category C. *See* 675 IAC 14-4.4-5 which is attached to this document as Exhibit A. Figure R301.2(2) of the 2020 Indiana Residential Code, which is unamended for the 2018 International Residential Code, places Monroe County in Seismic Design Category B. A copy of Figure R301.2(2) is attached as Exhibit B. The purpose of listing the specific Seismic Design Categories in Table R301.2(1) is to reproduce the visual classifications provided for in Figure R301.2(2) in a more easily discernible written format. However, as explained above, when Table R301.2(1) was transcribed, Monroe County was mistakenly placed in Seismic Design Category B. In order to resolve this conflict, the Fire Prevention and Building Safety Commission adopts the below interpretation.

Interpretation

Figure R301.2(2) of the 2020 Indiana Residential Code controls the appropriate Seismic Design Category classification of Monroe County, not Table R301.2(1). Therefore, Monroe County is classified in Seismic Design Category B.

EXHIBIT A

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SOLID MASONRY to read as follows:

SOLE PLATE. The bottom horizontal member of a framed wall or partition that receives and transfers loads to the floor assembly, wall, or foundation below.

(12) Delete the definition of TOWNHOUSE and substitute to read as follows: TOWNHOUSE. Townhouse has the meaning ascribed thereto in IC 22-12-1-5(c).

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.4-3; filed Nov 26, 2019, 11:43 a.m.: 20191225-IR-675190330FRA)

675 IAC 14-4.4-4 Section R301.2.1.4; exposure category

Authority: IC 22-13-2-2; IC 22-13-2-2.5; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 4. Change the fourth sentence in the text of SECTION R301.2.1.4 to read as follows:

For a site where multiple detached one and two family dwellings, townhouses or other structures are to be constructed as part of a subdivision or master-planned community, or are otherwise designated as a developed area by the authority having jurisdiction, the exposure category for an individual structure shall be based on the site conditions that will exist at the time when all adjacent structures on the site have been constructed, provided that their construction in that section of the subdivision or master-planned community is expected to begin within 2 years of the start of construction for the structure for which the exposure category is determined.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.4-4; filed Nov 26, 2019, 11:43 a.m.: 20191225-IR-675190330FRA)

675 IAC 14-4.4-5 Table R301.2(1); climatic and geographical design criteria

Authority: IC 22-13-2-2; IC 22-13-2-2.5; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 5. Delete TABLE R301.2(1) and the corresponding footnotes and substitute to read as follows:

TABLE R301.2(1)												
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA												
No.	County	Wind Speed _a (MPH)	Seismic Design Category _b	Ground Snow (PSF)	Found- ation _c	Winter Design Temp (°F)	Decay	Termite	Weathering _d	Ice Shield Underlayment Required	Air Freezing Index	Mean Annual Temp (°F)
01	Adams	115	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	≤1500	50.9°
02	Allen	115	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	49.9°
03	Bartholomew	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	53.1°
04	Benton	115	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	49.1°
05	Blackford	115	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	51.4°
06	Boone	115	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	52.3°
07	Brown	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	53.1°
08	Carroll	115	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	≤1500	51.7°
09	Cass	115	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	50.3°
10	Clark	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	54.7°
11	Clay	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	52.1°
12	Clinton	115	A	20	30	2°	Slight to	Moderate	Severe	No	≤1500	50.7°

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							Moderate	to Heavy				
13	Crawford	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	54.7°
14	Daviess	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	56.1°
15	Dearborn	115	A	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	50.5°
16	Decatur	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	52.4°
17	DeKalb	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	≤1500	50.0°
18	Delaware	115	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	50.8°
19	Dubois	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	53.9°
20	Elkhart	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	≤1500	50.5°
21	Fayette	115	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	51.5°
22	Floyd	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	54.7°
23	Fountain	115	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	2000	51.2°
24	Franklin	115	A	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	51.8°
25	Fulton	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	49.3°
26	Gibson	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	55.2°
27	Grant	115	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	50.3°
28	Greene	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	52.9°
29	Hamilton	115	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	51.5°
30	Hancock	115	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	51.6°
31	Harrison	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	54.7°
32	Hendricks	115	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	52.3°
33	Henry	115	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	49.9°
34	Howard	115	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	2000	49.6°
35	Huntington	115	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	≤1500	50.4°
36	Jackson	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	52.5°
37	Jasper	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	49.6°
38	Jay	115	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	49.7°
39	Jefferson	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	54.7°
40	Jennings	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	54.3°
41	Johnson	115	B	20	30	2°	Slight to	Moderate	Severe	No	≤1500	52.0°

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							Moderate	to Heavy				
42	Knox	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	53.4°
43	Kosciusko	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	49.0°
44	LaGrange	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	≤1500	47.9°
45	Lake	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	49.0°
46	LaPorte	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	49.7°
47	Lawrence	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	52.6°
48	Madison	115	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	50.8°
49	Marion	115	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	51.8°
50	Marshall	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	50.0°
51	Martin	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	54.2°
52	Miami	115	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	49.4°
53	Monroe	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	53.1°
54	Montgomery	115	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	50.1°
55	Morgan	115	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	51.5°
56	Newton	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	50.2°
57	Noble	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	≤1500	49.0°
58	Ohio	115	A	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	53.0°
59	Orange	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	53.0°
60	Owen	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	50.1°
61	Parke	115	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	53.9°
62	Perry	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	55.8°
63	Pike	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	54.8°
64	Porter	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	49.6°
65	Posey	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	55.4°
66	Pulaski	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	49.7°
67	Putnam	115	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	52.6°
68	Randolph	115	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	49.9°
69	Ripley	115	A	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	54.5°
70	Rush	115	A	20	30	2°	Slight to	Moderate	Severe	No	≤1500	51.2°

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							Moderate	to Heavy				
71	St. Joseph	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	≤1500	49.1°
72	Scott	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	53.9°
73	Shelby	115	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	52.6°
74	Spencer	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	56.2°
75	Starke	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	49.7°
76	Steuben	115	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	47.3°
77	Sullivan	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	52.7°
78	Switzerland	115	A	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	55.7°
79	Tippecanoe	115	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	2000	50.9°
80	Tipton	115	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	2000	49.2°
81	Union	115	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	51.5°
82	Vanderburgh	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	57.0°
83	Vermillion	115	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	50.8°
84	Vigo	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	53.1°
85	Wabash	115	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	49.0°
86	Warren	115	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	2000	51.0°
87	Warrick	115	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	56.2°
88	Washington	115	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	54.5°
89	Wayne	115	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe	No	≤1500	49.9°
90	Wells	115	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	≤1500	49.9°
91	White	115	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	2000	50.3°
92	Whitley	115	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe	Yes	≤1500	48.8°

a. Wind exposure shall be determined on a site-specific basis in accordance with SECTION R301.2.1.4.

b. Seismic design category shall be assigned according to this TABLE or SECTION R301.2.2.1.1.

c. Foundation is the minimum depth, in inches, from the finish grade to the bottom of the footing.

d. The grade of masonry units shall be determined from ASTM C34, C55, C62, C73, C90, C129, C145, C216, or C652.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.4-5; filed Nov 26, 2019, 11:43 a.m.: 20191225-IR-675190330FRA)

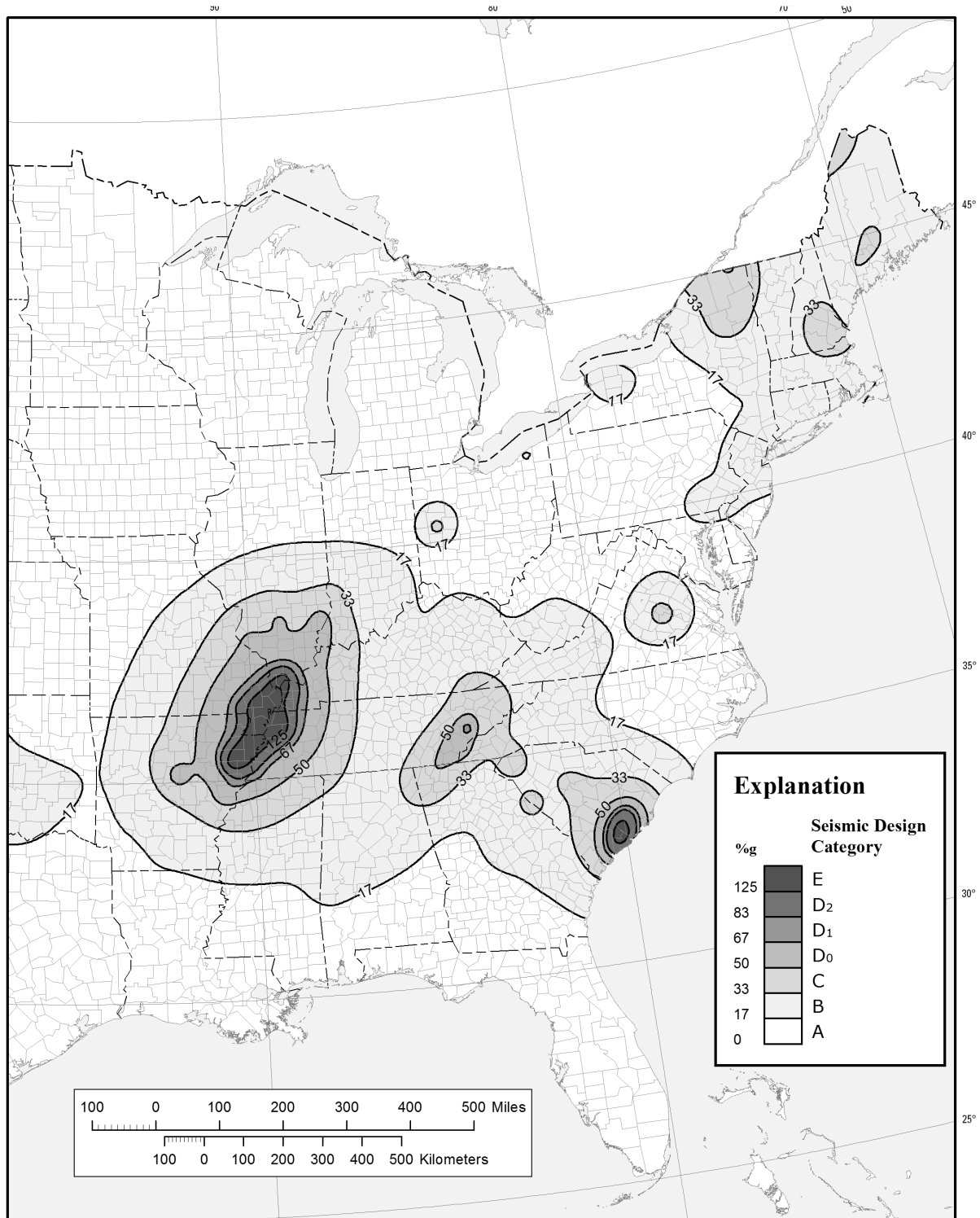
675 IAC 14-4.4-6 Section R301.2.2.1; determination of seismic design category

Authority: IC 22-13-2-2; IC 22-13-2-2.5; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 6. Change the text of SECTION R301.2.2.1 to read as follows:

Buildings shall be assigned a seismic design category in accordance with TABLE R301.2(1).



**FIGURE R301.2(2)—continued
SEISMIC DESIGN CATEGORIES**