



# PROPOSAL FOR CODE CHANGE

State Form 41186 (R3 / 5-10)

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4. Return this completed form to: Indiana Department of Homeland Security, Code Services, 402 West Washington Street, Room W246, Indianapolis, Indiana 46204.

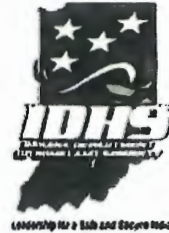
FOR OFFICE USE ONLY			
Received <b>12/14/2018</b>	Code <b>2018 IRC</b>	Proposal number <b># 362</b>	
Code title <b>International Residential Code</b>		Edition <b>2018</b>	
Section number and title <b>Table R301.2(1) Climatic and geographic design table</b>		Page Number	
Proponent <b>Bill Kaufholz</b>		Representing (if applicable) <b>Fischer Homes</b>	
Address (number and street, city, state, and ZIP code)		Telephone number	
PROPOSED CODE CHANGE (check one)			
<input checked="" type="checkbox"/> Change to read as follows <input type="checkbox"/> Add to read as follows <input type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution			
<p>Change the designations in the column "Ice Shield Underlayment required" to reflect "yes" or "no" designations currently listed in the 2005 Indiana Residential Code.</p>			
REASON STATEMENT AND FISCAL IMPACT			
<p>Reason: The IRC Review Committee approved proposal #33 (Wagner) as amended to require ice shield underlayment in every Indiana county. Indiana Builders Association supported the change 1) to help resolve conflicts between roofing companies, insurance companies, and homeowners about when to install the product and when a claim on a re-roof should cover the cost of installing the product and 2) we were told the product was required by all shingle manufacturers. Testimony provided at the committee meeting on November 20 was that the product is recommended (not required) by shingle manufacturers, which contradicts the 2<sup>nd</sup> point.</p>			
Fiscal impact:			
REVIEW RECOMMENDATION			
Approve			
Reject			
Approve as amended			
Further study			



# PROPOSAL FOR CODE CHANGE

State Form 41186 (R3 / 5-10)

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FOR OFFICE USE ONLY												
Received <b>5/9/2018</b>			Code <b>2018 IRC</b>				Proposal number <b># 33</b>					
Code title: <b>Indiana Residential Code</b>										Edition <b>2020</b>		
Section number and title <b>Table R301.2(1) Climatic and geographic design table (note: new, for clarity not underlined)</b>										Page Number <b>1 of 4, Codebook page 32</b>		
Proponent <b>Craig Wagner</b>					Representing (if applicable) <b>Indiana Association of Building Officials</b>							
Address (number and street, city, state, and ZIP code) <b>220 W Van Buren St, Ste 204, Columbia City, IN 46725</b>										Telephone number <b>(260) 248-3111</b>		
<b>Table R301.2(1) Climatic and Geographical Design Criteria</b>												
Change: <span style="float: right;">Ice shield Underlayment shall be required for all counties.</span>												
#	County	Wind speed, (MPH)	Sels-mic zone <sub>s</sub>	Ground snow load (PSF)	Found-ation depth <sub>s</sub>	Winter design temp (F°)	Decay Slight to Moderate, S to M	Termite Moderate to Heavy, M to H	Weath-ering <sub>s</sub>	Ice Shield Under-layment required	Air freezing Index	Mean annual temp (F°)
01	Adams	115	A	20	36	1°	S to M	M to H	Severe	Yes	≤1500	50.9
02	Allen	115	A	20	36	1°	S to M	M to H	Severe	<del>No</del> Yes	2000	49.9
03	Bartholomew	115	B	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	53.1
04	Benton	115	A	20	36	1°	S to M	M to H	Severe	Yes	2000	49.1
05	Blackford	115	A	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	51.4
06	Boone	115	B	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	52.3
07	Brown	115	B	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	53.1
08	Carroll	115	A	20	36	1°	S to M	M to H	Severe	Yes	≤1500	51.7
09	Cass	115	A	20	36	1°	S to M	M to H	Severe	Yes	2000	50.3
10	Clark	115	B	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	54.7
11	Clay	115	B	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	52.1
12	Clinton	115	A	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	50.7
13	Crawford	115	B	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	54.7
14	Daviess	115	C	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	56.1



15	Dearborn	115	A	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	50.5
16	Decatur	115	B	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	52.4
17	Dekalb	115	A	30	36	1°	S to M	M to H	Severe	Yes	≤1500	50.0
18	Delaware	115	A	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	50.8
19	Dubois	115	C	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	53.9
20	Elkhart	115	A	30	36	1°	S to M	M to H	Severe	Yes	≤1500	50.5
21	Fayette	115	A	20	30	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	51.5
22	Floyd	115	B	20	24	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	54.7
23	Fountain	115	B	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	2000	51.2
24	Franklin	115	A	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	51.8
25	Fulton	115	A	30	36	1°	S to M	M to H	Severe	Yes	2000	49.3
26	Gibson	115	C	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	55.2
27	Grant	115	A	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	50.3
28	Greene	115	C	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	52.9
29	Hamilton	115	A	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	51.5
30	Hancock	115	A	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	51.6
31	Harrison	115	B	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	54.7
32	Hendricks	115	B	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	52.3
33	Henry	115	A	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	49.9
34	Howard	115	A	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	2000	49.6
35	Huntington	115	A	20	36	1°	S to M	M to H	Severe	Yes	≤1500	50.4
36	Jackson	115	B	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	52.5
37	Jasper	115	A	30	36	1°	S to M	M to H	Severe	Yes	2000	49.6
38	Jay	115	B	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	49.7
39	Jefferson	115	B	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	54.7
40	Jennings	115	B	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	54.3
41	Johnson	115	B	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	52.0
42	Knox	115	C	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	53.4
43	Kosciusko	115	A	30	36	1°	S to M	M to H	Severe	Yes	2000	49.0
44	Lagrange	115	A	30	36	1°	S to M	M to H	Severe	Yes	≤1500	47.9
45	Lake	115	A	30	36	1°	S to M	M to H	Severe	Yes	2000	49.0
46	LaPorte	115	A	30	36	1°	S to M	M to H	Severe	Yes	2000	49.7

47	Lawrence	115	B	20	24	9°	M S to M	M to H	Severe	<del>No</del> Yes	≤1500	52.6
48	Madison	115	A	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	50.8
49	Marion	115	B	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	51.8
50	Marshall	115	A	30	36	1°	S to M	M to H	Severe	Yes	2000	50.0
51	Martin	115	C	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	54.2
52	Miami	115	A	20	36	1°	S to M	M to H	Severe	Yes	2000	49.4
53	Monroe	115	C	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	53.1
54	Montgomery	115	B	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	50.1
55	Morgan	115	B	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	51.5
56	Newton	115	A	30	36	1°	S to M	M to H	Severe	Yes	2000	50.2
57	Noble	115	A	30	36	1°	S to M	M to H	Severe	Yes	≤1500	49.0
58	Ohio	115	A	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	53.0
59	Orange	115	B	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	53.0
60	Owen	115	B	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	50.1
61	Parke	115	B	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	53.9
62	Perry	115	C	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	55.8
63	Pike	115	C	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	54.8
64	Porter	115	A	30	36	1°	S to M	M to H	Severe	Yes	2000	49.6
65	Posey	115	C	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	55.4
66	Pulaski	115	A	30	36	1°	S to M	M to H	Severe	Yes	2000	49.7
67	Putman	115	B	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	52.6
68	Randolph	115	B	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	49.9
69	Ripley	115	A	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	54.5
70	Rush	115	A	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	51.2
71	St Joseph	115	A	30	36	1°	S to M	M to H	Severe	Yes	≤1500	49.1
72	Scott	115	B	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	53.9
73	Shelby	115	B	20	30	2°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	52.6
74	Spencer	115	C	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	56.2
75	Starke	115	A	30	36	1°	S to M	M to H	Severe	Yes	2000	49.7
76	Steuben	115	A	30	24	1°	S to M	M to H	Severe	Yes	≤1500	47.3
77	Sullivan	115	C	20	24	9°	S to M	M to H	Severe	<del>No</del> Yes	≤1500	52.7



78	Switzerland	115	A	20	24	9"	S to M	M to H	Severe	<del>No</del> Yes	≤1500	55.7
79	Tippecanoe	115	A	20	30	2"	S to M	M to H	Severe	<del>No</del> Yes	2000	50.9
80	Tipton	115	A	20	30	2"	S to M	M to H	Severe	<del>No</del> Yes	≤1500	49.2
81	Union	115	A	20	30	2"	S to M	M to H	Severe	<del>No</del> Yes	≤1500	51.5
82	Vanderburgh	115	C	20	24	9"	S to M	M to H	Severe	<del>No</del> Yes	≤1500	57.0
83	Vermillion	115	B	20	30	2"	S to M	M to H	Severe	<del>No</del> Yes	≤1500	50.8
84	Vigo	115	B	20	24	9"	S to M	M to H	Severe	<del>No</del> Yes	≤1500	53.1
85	Wabash	115	A	20	36	1"	S to M	M to H	Severe	Yes	2000	49.0
86	Warren	115	B	20	30	2"	S to M	M to H	Severe	<del>No</del> Yes	2000	51.0
87	Warrick	115	C	20	24	9"	S to M	M to H	Severe	<del>No</del> Yes	≤1500	56.2
88	Washington	115	B	20	24	9"	S to M	M to H	Severe	<del>No</del> Yes	≤1500	54.5
89	Wayne	115	A	20	30	2"	S to M	M to H	Severe	<del>No</del> Yes	≤1500	49.9
90	Wells	115	A	20	36	1"	S to M	M to H	Severe	Yes	≤1500	49.9
91	White	115	A	20	36	1"	S to M	M to H	Severe	Yes	2000	50.3
92	Whitley	115	A	20	36	1"	S to M	M to H	Severe	Yes	≤1500	48.8

- Wind exposure shall be determined on a site-specific basis in accordance with Section R301.2.1.4.
- Seismic Design Category shall be assigned according to this Table or Section R301.2.2.1.1.
- Foundation is the minimum depth, in inches, from the finish grade to the bottom of the footing.
- The grade of masonry units shall be determined from ASTM C 34, C 55, C 62, C 73, C 90, C 129, C 145, C 216 or C 652.

This proposal adds a new Table R301.2(1). It reflects new seismic design standards and wind design requirements

→ Staff Comment: Fiscal impact was not revised after this proposal was amended.  
Fiscal impact: This proposal is fiscally neutral since the seismic reductions offset the wind increases.

#### REVIEW RECOMMENDATION

Approve

Reject

Approve as amended

Motion, Second, Approved as amended

Further study



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FOR OFFICE USE ONLY			
Received <b>12/14/2018</b>	Code <b>2018 IRC</b>	Proposal number <b># 363</b>	
Code title <b>Indiana Residential Code</b>		Edition <b>2020</b>	
Section number and title <b>R314.2.2 Alterations, repairs, and additions.</b>		Page Number <b>1 of 1, codebook page 75</b>	
Proponent <b>Phil Gettum</b>		Representing (if applicable) <b>Indiana Builder's Association</b>	
<b>PROPOSED CODE CHANGE (check one)</b>			
<input checked="" type="checkbox"/> Change to read as follows <input type="checkbox"/> Add to read as follows <input type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution			
<p>Change</p> <p><b>R314.2.2 Alterations, <del>repairs and additions</del> and system replacement.</b> Where <i>alterations, <del>repairs or additions</del></i>, or complete replacement of the electrical system requiring a permit occurs, the individual <i>dwelling unit</i> shall be equipped with smoke alarms located as required for new <i>dwelling</i>s.</p> <p><b>Exceptions:</b></p> <ol style="list-style-type: none"> <li>1. Work involving the exterior surfaces of <i>dwelling</i>s, such as the replacement of roofing or siding, the <i>addition</i> or replacement of windows or doors, or the addition of a porch or deck.</li> <li>2. Installation, alteration or repairs of plumbing or mechanical systems.</li> <li>3. <u>Electrical installations or alterations for rooms other than newly constructed or relocated bedrooms.</u></li> <li>4. <u>Electrical work which is limited to the replacement, relocation or upgrade of an existing service panel or meter base.</u></li> </ol>			
<b>REASON STATEMENT AND FISCAL IMPACT</b>			
<p>Some jurisdictions require building permits when doing any kind of work on an electrical service panel or meter base. The simple replacement or relocation of a panel or meter base allows that part of the electrical system to be made safer without causing the whole house being required to have all the smoke detectors to be added, upgraded and or relocated do to a permit being pulled. The additional expenses involved in adding, upgrading or relocating the entire homes smoke detector system could be onerous and discourage a home owner from upgrading from old fuse boxes to a safer circuit breaker panel.</p> <p>This change retains the requirement that the whole house would need upgrading when the whole house wiring and panel as a system is upgraded which would provide access to being hardwired in that case as opposed to relying on battery interconnected units.</p> <p>Fiscal impact: Unknown to do to the unknown of how many each year might fall within this category</p>			
<b>REVIEW RECOMMENDATION</b>			
Approve			
Reject			
Approve as amended			



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Received <b>12/14/2018</b>	Code <b>2018 IRC</b>	Proposal number <b># 364</b>	
Code title <b>Indiana Residential Code</b>		Edition <b>2020</b>	
Section number and title <b>R315.2.2 Alterations, repairs, and additions.</b>		Page Number <b>1 of 1, codebook page 76</b>	
Proponent <b>Phil Gettum</b>		Representing (if applicable) <b>Indiana Builder's Association</b>	
PROPOSED CODE CHANGE (check one)			
<input checked="" type="checkbox"/> Change to read as follows <input type="checkbox"/> Add to read as follows <input type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution			
<p>Change</p> <p><b>R315.2.2 Alterations, <del>repairs and additions</del> and <u>systems replacement</u>.</b> Where <del>alterations, repairs or additions, or complete replacement of the electrical system</del> requiring a permit occurs, the individual dwelling unit shall be equipped with carbon monoxide alarms located as required for new dwellings.</p> <p><b>Exceptions:</b></p> <ol style="list-style-type: none"> <li>1. Work involving the exterior surfaces of dwellings, such as the replacement of roofing or siding, the addition or replacement of windows or doors, or the addition of a porch or deck.</li> <li>2. Installation, alteration or repairs of plumbing or mechanical systems.</li> <li>3. <u>Electrical installations or alterations for rooms other than newly constructed or relocated bedrooms.</u></li> <li>4. <u>Electrical work which is limited to the replacement, relocation or upgrade of an existing service panel or meter base.</u></li> </ol>			
REASON STATEMENT AND FISCAL IMPACT			
<p>Some jurisdictions require building permits when doing any kind of work on an electrical service panel or meter base. The simple replacement or relocation of a panel or meter base allows that part of the electrical system to be made safer without causing the whole house being required to have all the carbon monoxide alarms to be added, upgraded and or relocated do to a permit being pulled. The additional expenses involved in adding, upgrading or relocating the entire homes carbon monoxide alarms could be onerous and discourage a home owner from upgrading from old fuse boxes to a safer circuit breaker panel.</p> <p>This change retains the requirement that the whole house would need upgrading when the whole house wiring and panel, as a system, is upgraded which would provide access to the units being hardwired in that case as opposed to relying on battery interconnected units.</p> <p>Fiscal impact: Unknown to do to the unknown of how many each year might fall within this category</p>			
REVIEW RECOMMENDATION			
Approve			
Reject			
Approve as amended			



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FOR OFFICE USE ONLY			
Received <b>12/14/2018</b>	Code <b>2018 IRC</b>	Proposal number <b># 365</b>	
Code title <b>International Residential Code</b>		Edition <b>2018</b>	
Section number and title <b>R318.1.2 Field treatment</b>		Page Number <b>80</b>	
Proponent <b>Lynn Madden</b>		Representing (if applicable) <b>Hallmark Homes</b>	
Address (number and street, city, state, and ZIP code)		Telephone number	
PROPOSED CODE CHANGE (check one)			
<input type="checkbox"/> Change to read as follows <input type="checkbox"/> Add to read as follows <input type="checkbox"/> Delete and substitute as follows <input checked="" type="checkbox"/> Delete without substitution			
<p><b><del>R318.1.2 Field treatment</del></b>  <del>Field cut ends, notches and drilled holes of pressure preservative treated wood shall be retreated in the field in accordance with AWP A M4.</del></p>			
REASON STATEMENT AND FISCAL IMPACT			
Reason: Who checks for retreating? How is this verified? This is an onerous requirement. Initial preservative treatment is more stringent now and is sufficient.			
Fiscal impact:			
REVIEW RECOMMENDATION			
Approve			
Reject			
Approve as amended			
Further study			





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FOR OFFICE USE ONLY		
Received	12/14/2018	Code
		2018 IRC
		Proposal number
		# 366

Code title		Edition
International Residential Code		2018
Section number and title		Page number
R405.2.3 Drainage system		131
Proponent	Representing (if applicable)	
Phil Gettum	Gettum Associates	
Address (number and street, city, state, and ZIP code)		Telephone number
		( )

## PROPOSED CODE CHANGE (check one)

- ☐ Change to read as follows    ☐ Add to read as follows    ☒ Delete and substitute as follows    ☐ Delete without substitution

R405.2.3 Drainage system.

In other than Group I soils, a sump pit shall be provided to drain the porous layer and footings. The sump pit shall be a minimum of 18 inches (457 mm) in diameter or equivalent and a minimum of 24 inches (610 mm) below the bottom of the basement floor. Where a porous layer of gravel, crushed stone, or coarse sand is used between the soil and the concrete floor slab, openings shall be made in the sump pit to allow drainage of that layer. The sump pit shall be capable of positive gravity or mechanical drainage to remove any accumulated water.

EXCEPTION: When a gravity drain system is used a sump pit is not required.

## REASON STATEMENT AND FISCAL IMPACT

This is the amendment to the 2005 Indiana Residential Code and is consistent with proposal #100 (Wagner) approved by the committee to amend Section R408.8 Under-floor drainage, which states "Under-floor spaces shall comply with Section R408.3 Item 1 and shall be drained to a gravity discharge sump pit, having a minimum size of 18 inches (457 mm) diameter by 24 inches (610 mm) deep, by one of the following methods:..."

No fiscal impact.

## REVIEW RECOMMENDATION

Approve

Reject

Approve as amended

Further study



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## LEGAL AND CODE SERVICES



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### FOR OFFICE USE ONLY

Received	12/14/2018	Code	2018 IRC	Proposal number	# 367
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Code title		Edition
International Residential Code		2018
Section number and title		Page number
R408.7 Flood resistance		134
Proponent	Representing (if applicable)	
Southwestern Indiana BA		
Address (number and street, city, state, and ZIP code)		Telephone number
		( )

### PROPOSED CODE CHANGE (check one)

- ☐ Change to read as follows    ☐ Add to read as follows    ☒ Delete and substitute as follows    ☐ Delete without substitution

R408.7 Underfloor drainage. In other than Group I soils, underfloor spaces shall be drained to prevent water accumulation by one of the following methods:

1. The underfloor space shall be graded at a slope of not less than 1 inch (25 mm) for each 10 feet (3,048 mm) to a gravity discharge or a sump pit having a minimum size of 18 inches (457 mm) in diameter by 24 inches (610 mm) deep installed below the lowest point of the slope so that, in the event of excess water accumulation, a sump pump can be readily installed.
2. The underfloor space shall be graded at a slope of not less than ½ inch (13 mm) for each 10 feet (3,048 mm) to a gravity discharge or a sump pit having a minimum size of 18 inches (457 mm) in diameter by 24 inches (610 mm) deep installed below the lowest point of the slope and not less than 3 inches (76 mm) of granular material shall be placed between the ground surface and the vapor retarder so that, in the event of excess water accumulation, a sump pump can be readily installed.

### REASON STATEMENT AND FISCAL IMPACT

Reason: This proposal was initially submitted by Lawrence Johnson, the committee tabled it on 6/20/18 and the proponent later withdrew it. It is being resubmitted for the committee's consideration.

This is the Indiana Amendment to Section R408.6 flood resistance.

Fiscal Impact: No fiscal impact as this is from the 2005 Indiana Residential Code.

### REVIEW RECOMMENDATION

Approve
Reject
Approve as amended
Further study



SUPPORT LETTER  
for Indiana Amendments



To: Carlie Hopper, Indiana Builders Association  
From: SIBA  
Re: New IRC Development

Please find below our needs for code specific to successful (dry & dusty) crawlspaces.

We support the combination of provisions that are included in the current Indiana amendments. In my experience of building or inspecting homes, these amendments are needed to protect the successful fashion crawl spaces and basements are built in SW Indiana. These practices are very common in our market, and works without creating issues.

These amendments include at least the following:

Draining the wall cavity. Section 121; R703.7.6 (drawings and respective section #'s)

Unvented Crawlspaces. Section 77, R408.2 Exception #5 with current amendment.

Drainage System. Section 81, R408.6, Flood Resistance Underfloor Drainage.

*Dandy Con, Inc. Ronald Lee Dandy*  
*David Baller, CFM*

*Steve Rypinski, P.E. Hickory Crest*  
*Homes by Eagle - Town of Chandler*

*Bill Badger Badger Const. Inc.*  
*Ken Deane Bldg Commissioner VR.*

*Randall Johnston*

*Dennis Lockhart*

*[Signature]*  
*[Signature]*

*RJC INC*

*Building Inspector.*

*Homes by Eagle*

*Heiden Construction.*

*Barrington Weston Homes, LLC*

2175 North Cullen Avenue • Evansville, Indiana 47715

Phone: (812) 479-6026 • Fax: (812) 479-6340

www.SIBAonline.org

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- Drainage System. Section 81, R408.6, Flood Resistance Underfloor Drainage.

THIS MUST STAY AS-IS — WE HAVE FOUGHT FOR  
DRY CRAWL SPACES FOR DECADES AND THIS  
SYSTEM WORKS! WE HAVE HEAVY CLAY SOILS  
AND HIGH HUMIDITY AT LEAST HALF OF THE  
YEAR.

MIKE ZENNER, ZENNER CONTRACTING, LLC

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[www.SIBAonline.org](http://www.SIBAonline.org)





# PROPOSAL FOR CODE CHANGE

State Form 41186 (R3 / 5-10)

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FOR OFFICE USE ONLY		
Received <b>12/14/2018</b>	Code <b>2018 IRC</b>	Proposal number <b># 368</b>
Code title <b>International Residential Code</b>		Edition <b>2018</b>
Section number and title <b>R703.8.6 Weepholes</b>		Page Number <b>376</b>
Proponent <b>Lynn Madden</b>	Representing (if applicable) <b>Hallmark Homes</b>	
Address (number and street, city, state, and ZIP code)		Telephone number
<b>PROPOSED CODE CHANGE (check one)</b>		
<input type="checkbox"/> Change to read as follows <input type="checkbox"/> Add to read as follows <input checked="" type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution		
<p>Delete the title and text of SECTION R703.8.6 and substitute as follows: R703.8.6 Drained cavity. The 3/4 inch (19 mm) air cavity shall be drained to the exterior of the structure at intervals of not more than 33 inches (838 mm) on center. Each drain shall be not less than 3/16 inch (4.8 mm) in diameter, located immediately above the flashing. For dwellings with crawl spaces, the air cavity may be drained as shown in FIGURE R703.8.6(1). For dwellings with basements, the air cavity may be drained as shown in FIGURE R703.8.6(2).</p> <p>Insert Figures R703.8.6(1) and R703.8.6(2).</p>		
<b>REASON STATEMENT AND FISCAL IMPACT</b>		
<p>Reason: This proposal was rejected by the committee on 7/18/18, and therefore would require a 2/3 vote of the committee to reconsider. The Southwestern Indiana BA (SIBA) has submitted a support letter signed by home builders and 3 building officials requesting that the committee reconsider action taken on this proposal. SIBA members will be at the meeting on 12/19/18 to offer testimony in support of the proposal, which directly contradicts information shared at the meeting that builders in southern Indiana do not use this amendment, and to answer questions.</p> <p>Fiscal Impact:</p>		
<b>REVIEW RECOMMENDATION</b>		
Approve		
Reject		
Approve as amended		
Further study		

FIGURE R703.8.6(1)

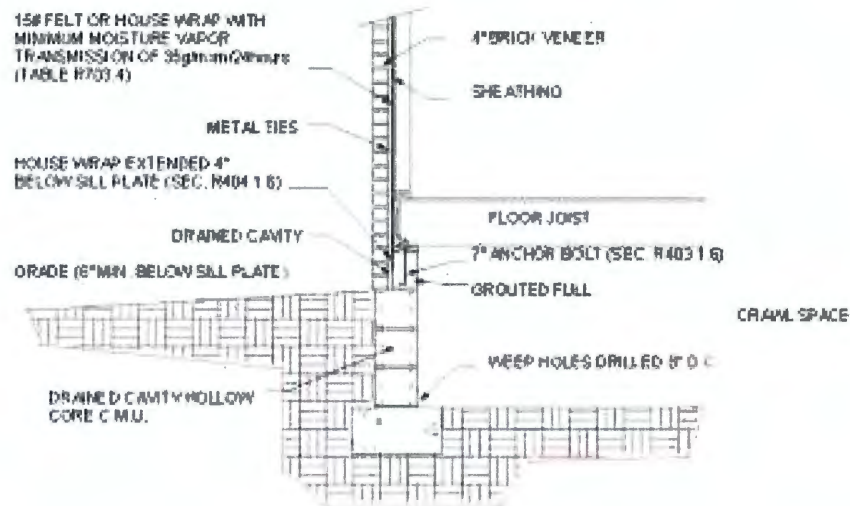
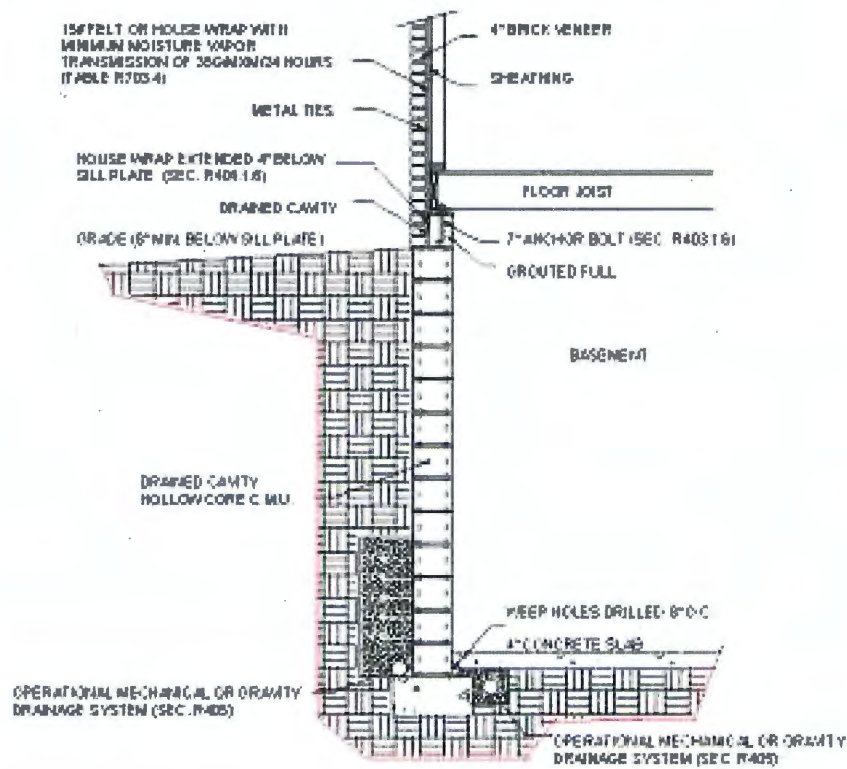


FIGURE R703.8.6(2)





SUPPORT LETTER  
for Indiana Amendments



To: Carlie Hopper, Indiana Builders Association  
From: SIBA  
Re: New IRC Development

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Unvented Crawlspaces. Section 77, R408.2 Exception #5 with current amendment.

Drainage System. Section 81, R408.6, Flood Resistance Underfloor Drainage.

*Dandy Con, Inc. Ronald Lee Dandy*  
*David Baller, CFM*

*James F. Feltz - Town of Chandler*

*Bill Barker Badger Const. Inc.*

*Ken Beaver Bldg Commissioner VR.*

*Randall Johnston*

*Dennis Lockhart*

*[Signature]*

*[Signature]*

*[Signature]*

*RJC INC*

*Building Inspector*

*Homes by Eagle*

*Heiden Construction*

*Barrington Weston Homes, LLC*

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## PROPOSAL FOR CODE CHANGE

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FOR OFFICE USE ONLY			
Received	12/12/ 2018	Code	2018 IRC
		Proposal number	# 369
Code title		Edition	
Indiana Residential Code		2020	
Section number and title		Page Number	
R905.1.2 Ice barriers		1 of 2, codebook page 436	
Proponent		Representing (if applicable)	
Craig Wagner		Rewritten and resubmitted for IBA	
Address (number and street, city, state, and ZIP code)		Telephone number	
360 N Walnut St, Columbia City, IN 46725		260-212-2943	
PROPOSED CODE CHANGE (check one)			
<input type="checkbox"/> Change to read as follows <input type="checkbox"/> Add to read as follows <input checked="" type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution			
<p><b><u>R905.1.2 Ice barriers.</u></b> Ice barriers are required under asphalt shingles, metal roof shingles, mineral-surfaced roll roofing, slate and slate-type shingles, wood shingles and wood shakes according to this section. The ice barrier shall consist of not fewer than two layers of <u>underlayment</u> cemented together, or a self-adhering polymer-modified bitumen sheet installed in place of normal underlayment. The ice barrier shall extend from the lowest edges of all roof surfaces to a point not less than 24 inches (610 mm) up the roof slope from the point where the vertical projection of the outside face of the exterior supporting wall intersects the roof. Where the ice barrier intersects with a vertical wall before extending to the required distance the ice barrier shall extend up the vertical face of the wall a minimum four inches (102 mm). On roofs with slope equal to or greater than eight units vertical in twelve units horizontal (67-percent slope), the ice barrier shall also be applied for a distance of not less than 36 inches (914 mm) in from, and along, the roof rake edges.</p>			
<p><b><u>Exceptions:</u></b></p> <ol style="list-style-type: none"><li>1. <u>Ice barriers are not required for detached accessory structures not containing conditioned floor area.</u></li><li>2. <u>On new construction:</u><ol style="list-style-type: none"><li>2.1. <u>The ice barrier shall only be required to extend thirty-six inches (914 mm) up the roof from the lowest edges where the attic has R-38 insulation installed to the outside edge of the exterior wall, with at least one inch (25 mm) of space between the insulation and the roof, and vented in accordance with Section R806.</u></li><li>2.2. <u>The ice barrier shall only be required to extend thirty-six inches (914 mm) up the roof from the lowest edges where enclosed rafter spaces have minimum R-38 insulation installed to the outside edge of the exterior wall, with at least one inch (25 mm) of space between the insulation and the roof, and vented in accordance with Section R806.</u></li></ol></li></ol>			

2.3 The ice barrier shall only be required to extend 36 inches (914 mm) up the roof from the lowest edges where installed above insulated unvented attics, and insulated unvented enclosed rafter spaces, installed in accordance with Section R806.5.

**REASON STATEMENT AND FISCAL IMPACT**

This proposal designates where on residential roofs ice barriers are required and to what distance up the roof or along the rake. The exceptions address different ice damming scenarios of vented and unvented attics, attic insulation installation and the ice damming that occurs at the bottom edge of the roof in the eavespouting. Since the attic insulation package is probably unknown to reroofing contractors Exception #2 gives allowances for only new construction.

Fiscal impact: Neutral, while there will be additional cost to install ice barrier material across the entire state, however, there will also be significant reduction in the amount required in the northern part of the state where it is now required, offsetting the material costs in the other areas of the state.

**REVIEW RECOMMENDATION**

Approve

Reject

Approve as amended

Further study





# PROPOSAL FOR CODE CHANGE

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Received <b>12/14/2018</b>	Code <b>2018 IRC</b>	Proposal number <b># 370</b>	
Code title <b>International Residential Code</b>		Edition <b>2018</b>	
Section number and title <b>Table N1102.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT</b>		Page Number	
Proponent <b>Lynn Madden</b>		Representing (if applicable) <b>Hallmark Homes</b>	
Address (number and street, city, state, and ZIP code)		Telephone number	
PROPOSED CODE CHANGE (check one)			
<input type="checkbox"/> Change to read as follows <input checked="" type="checkbox"/> Add to read as follows <input type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution			
Add footnote h to Table N1102.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT <u>h. In addition to the exception in Section N1102.3.3, a maximum of two glazed fenestration product assemblies having a U-factor no greater than 0.55 shall be permitted to be substituted for minimum code compliant fenestration product assemblies without penalty.</u>			
REASON STATEMENT AND FISCAL IMPACT			
Reason: This proposal amends proposal #151 (Wagner) approved by the committee. See attachment. This language is included in the South Carolina Residential Code and is needed to address an issue with reflected sunlight magnified from low e-windows causing melting vinyl siding to melt.			
Fiscal Impact:			
REVIEW RECOMMENDATION			
Approve			
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY									
Received <b>7/11/18</b>			Code <b>2018 IRC</b>			Proposal number <b>#151</b>			
Code title <b>Indiana Residential Code</b>								Edition <b>2019</b>	
Section number and title <b>Table N1102.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT<sup>a</sup></b>								Page Number <b>1 of 2, Codebook page 480</b>	
Proponent <b>Craig Wagner</b>					Representing (if applicable) <b>Indiana Association of Building Officials</b>				
Address (number and street, city, state, and ZIP code) <b>220 W Van Buren St, Ste 204, Columbia City, IN 46725</b>								Telephone number <b>(260) 248-3111</b>	
PROPOSED CODE CHANGE (check one)									
Change to read as follows    Add to read as follows <input checked="" type="checkbox"/> Delete and substitute as follows    Delete without substitution									
Delete Table N1102.1.2 and substitute as follows:									
CLIMATE ZONE	FENESTRATION U-FACTOR <sup>h</sup>	SKYLIGHT U-FACTOR <sup>b</sup>	CEILING R-VALUE	WOOD FRAME R-VALUE	MASS WALL R-VALUE <sup>g</sup>	FLOOR R-VALUE	BASEMENT WALL R-VALUE <sup>c</sup>	SLAB R-VALUE AND DEPTH <sup>d</sup>	CRAWLSPACE WALL R-VALUE
<u>4</u>	<u>0.35</u>	<u>0.60</u>	<u>38</u>	<u>15</u>	<u>5/10</u>	<u>19</u>	<u>10/13</u>	<u>10; 2 feet</u>	<u>10/13</u>
<u>5</u>	<u>0.35</u>	<u>0.60</u>	<u>38</u>	<u>20 or 13+5<sup>f</sup></u>	<u>13/17</u>	<u>30<sup>e</sup></u>	<u>10/13</u>	<u>10; 2 feet</u>	<u>10/13</u>
<p>a. R-values are minimums. U-factors are maximums. Batts compressed in to 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.</p> <p>b. The fenestration U-factor column excludes skylights.</p> <p>c. The first R-value applies to continuous insulation, the second to framing cavity insulation; either insulation meets the requirement.</p> <p>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. <i>The slab edge insulation for heated slabs shall not be required to extend below the slab.</i></p> <p>e. R-30 or insulation sufficient to fill the framing cavity. R-19 minimum.</p> <p>f. "13+5" means R-13 cavity insulation with an additional R-5 insulated sheathing applied to the exterior of the wall. If structural sheathing covers 25% or less of the exterior, R-5 sheathing is not required where structural sheathing is used. If structural sheathing covers more than 25% of exterior, structural sheathing shall be supplemented with insulated sheathing of at least R-2.</p> <p>g. The second R-value applies when more than half the insulation is on the interior.</p> <p>h. ...</p>									
REASON STATEMENT AND FISCAL IMPACT									
<p>This proposal brings forward the current energy conservation values as was done with Class 1 buildings except for a change in Climate Zone 4 where the wall R-value is increased to R-15. R-15 is readily available and fits into a 2X4 wall. This will narrow the difference that is currently in our energy rule between Climate Zone 4 and Climate Zone 5 and will benefit homeowners with increased energy efficiency without subjecting them to the R-20 required in the 2018 IRC.</p> <p>Fiscal Impact: This proposal is a credit from the 2018 IRC.</p> <p>Assuming: 14,640 houses (1/3 of which, or 4,831 of those houses, are in Climate Zone 4), 1,500 SF per house and one-half of those are two story. Installed insulation prices from Insulating company: Sidewall R-13 \$.59, R-15 \$.79, R-20 \$.95 Blown attic cellulose R-38 \$.70, R-49 \$.95</p> <p>Attics:</p> <p>One-half of the homes single story (14,640/2=7,320) 7,320 x 1500 SF=1,0980,000 SF x .25 (difference between R-38 and R-49) = \$ 2,745,000</p> <p>One-half of the homes are two story (1,500/2=750 SF per house) 7,320 x 750= 5,490,000 SF x .25= \$ 1,372,500</p> <p style="text-align: right;">Total attic impact \$ 4,117,500</p> <p>Sidewalls:</p> <p>No impact for Climate Zone 5, R-values stay the same as the 2018 IRC.</p> <p>Region 4 Impact:</p> <p>Assuming 1,500 SF is a 30' x 50' house, 30' + 30' +50' +50'=160 lineal feet of wall x 8" of height =1,280 SF per structure</p> <p>1,280 x 4,831 (houses in Climate Zone 4)=6,183,680 total SF sidewall x \$.16 (difference R-20 and R-15)= Total sidewall impact \$ 989,389</p>									



Total Sidewall and attic fiscal impact of  $(\$4,117,500 + 989,389) = \$5,106,889$  This is a credit difference between the 2018 IRC and this proposal. Because of the variables encountered when trying to place a fiscal impact on the 2018 increase in fenestration U-values I decided to not try to estimate the U-value difference across the state and just used the total SF R-value in Climate Zone 4 as the offset for the fenestration U-value difference.

REVIEW RECOMMENDATION

Approve

Reject

Approve as amended

Further study

Motion, Second, Approved as Amended

David Mann, ACC, spoke in support of adopting chapter 11 without amendments; recommended the committee reject this proposal.



# PROPOSAL FOR CODE CHANGE

State Form 41186 (R3 / 5-10)

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Received <b>12/14/2018</b>	Code <b>2018 IRC</b>	Proposal number <b># 371</b>	
Code title <b>International Residential Code</b>			Edition <b>2018</b>
Section number and title <b>Table N1102.1.4 Equivalent U-Factors</b>			Page Number
Proponent <b>Lynn Madden</b>		Representing (if applicable) <b>Hallmark Homes</b>	
Address (number and street, city, state, and ZIP code)			Telephone number
PROPOSED CODE CHANGE (check one)			
<input type="checkbox"/> Change to read as follows <input checked="" type="checkbox"/> Add to read as follows <input type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution			
<p>Add footnote c to Table N1102.1.4 Equivalent U-Factors</p> <p><u>c. A maximum of two glazed fenestration product assemblies having a U-factor no greater than 0.55 shall be permitted to be substituted for minimum code compliant fenestration product assemblies without penalty. When applying this note and using the REScheck "UA Trade-off" compliance method to allow continued use of the software, the applicable fenestration products shall be modeled as meeting the U-factor of 0.35, but the fenestration products actual U-factor shall be noted in the comments section of the software for documentation of application of this note to the applicable products. Compliance for these substitute products shall be verified compared to the allowed substituted maximum U-value requirement.</u></p>			
REASON STATEMENT AND FISCAL IMPACT			
<p>Reason: This proposal amends proposal #193 (Wagner) approved by the committee. See attachment. This language is included in the South Carolina Residential Code and is needed to address an issue with reflected sunlight magnified from low e-windows causing melting vinyl siding to melt.</p> <p>Fiscal Impact:</p>			
REVIEW RECOMMENDATION			
Approve			
Reject			
Approve as amended			
Further study			



1528

FOR OFFICE USE ONLY									
Received <b>8/14/2018</b>		Code <b>2018 IRC</b>			Proposal number <b>#193</b>				
Code title <b>Indiana Residential Code</b>							Edition <b>2020</b>		
Section number and title <b>Table N1102.1.4 Equivalent U-factors<sup>a</sup></b>							Page Number <b>1 of 1, codebook page 480</b>		
Proponent <b>Craig Wagner</b>				Representing (if applicable) <b>IABO</b>					
Address (number and street, city, state, and ZIP code) <b>220 W Van Buren St, Ste 204, Columbia City, IN 46725</b>							Telephone number <b>260-248-3111, cell 260-212-2943</b>		
<b>PROPOSED CODE CHANGE (check one)</b>									
<input type="checkbox"/> Change to read as follows <input type="checkbox"/> Add to read as follows <input checked="" type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution									
<b>Delete Table N1102.1.4 and substitute as follows:</b>									
<b>TABLE N1102.1.4<sup>4</sup></b> <b><u>EQUIVALENT U-FACTORS.</u></b>									
<b><u>CLI- MATE ZONE</u></b>	<b><u>FENES- TRATION U-FACTOR</u></b> <b>C</b>	<b><u>SKY- LIGHT U-FACTOR</u></b>	<b><u>CEILING U-FACTOR</u></b>	<b><u>FRAME WALL U-FACTOR</u></b>	<b><u>MASS WALL U-FACTOR</u></b> <b>b</b>	<b><u>FLOOR U-FACTOR</u></b>	<b><u>BASEMENT WALL U- FACTOR</u></b>	<b><u>CRAWL SPACE WALL U-FACTOR</u></b>	
<u>4</u>	<u>0.35</u>	<u>0.60</u>	<u>0.030</u>	<u>0.082</u>	<u>0.141</u>	<u>0.047</u>	<u>0.059</u>	<u>0.065</u>	
<u>5</u>	<u>0.35</u>	<u>0.60</u>	<u>0.030</u>	<u>0.067</u>	<u>0.082</u>	<u>0.033</u>	<u>0.059</u>	<u>0.065</u>	
<b>a. Non-fenestration U-factors shall be obtained from measurement, calculation or an approved source.</b> <b>b. When more than half the insulation is on the interior, the mass wall U-factors shall be a maximum of 0.10 in zone 4 and the same as the frame wall U-factor (0.057) in zone 5.</b>									
<b>C. ...</b>									
<b>REASON STATEMENT AND FISCAL IMPACT</b>									
This proposal lists the equivalent U-factors to match the R-value table previously approved by the committee.									
Fiscal impact: no fiscal impact									
<b>REVIEW RECOMMENDATION</b>									
Approve									
Reject									
Approve as amended <b>Motion, Second, Approved as amended</b>									
Further study									



# PROPOSAL FOR CODE CHANGE

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FOR OFFICE USE ONLY		
Received <b>12/14/2018</b>	Code <b>2018 IRC</b>	Proposal number <b># 372</b>
Code title <b>International Residential Code</b>		Edition <b>2018</b>
Section number and title <b>N1102.3.5 Sunroom fenestration</b>		Page Number
Proponent <b>Lynn Madden</b>	Representing (if applicable) <b>Hallmark Homes</b>	
Address (number and street, city, state, and ZIP code)		Telephone number
<b>PROPOSED CODE CHANGE (check one)</b>		
<input type="checkbox"/> Change to read as follows <input checked="" type="checkbox"/> Add to read as follows <input type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution		
<p><b>N1102.3.5 (R402.3.5) Sunroom fenestration.</b> Sunrooms enclosing conditioned space shall comply with the fenestration requirements of this code. New fenestration separating the sunroom with thermal isolation from conditioned space shall comply with the building thermal envelope requirements of this code. <b>Exception:</b> In Climate Zones 2 through 8, for sunrooms with thermal isolation and enclosing conditioned space, the fenestration U-factor shall not exceed 0.45 and the skylight U-factor shall not exceed 0.70.</p> <p>Add an "s" to Exception. Number the 1<sup>st</sup> exception 1. Add a 2<sup>nd</sup> exception to read as follows: <b><u>2. A maximum of two glazed fenestration product assemblies having a U-factor no greater than 0.55 shall be permitted to be substituted for minimum code compliant fenestration product assemblies without penalty.</u></b></p>		
<b>REASON STATEMENT AND FISCAL IMPACT</b>		
Reason: This language is included in the South Carolina Residential Code and is needed to address an issue with reflected sunlight magnified from low e-windows causing melting vinyl siding to melt.		
Fiscal Impact:		
<b>REVIEW RECOMMENDATION</b>		
Approve		
Reject		
Approve as amended		
Further study		





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Received <b>12/14/2018</b>	Code <b>2018 IRC</b>	Proposal number <b># 373</b>
Code title <b>International Residential Code</b>		Edition <b>2018</b>
Section number and title <b>N1102.4.1 Building thermal envelope</b>		Page Number
Proponent <b>Bill Kaufholz</b>	Representing (if applicable) <b>Fischer Homes</b>	
Address (number and street, city, state, and ZIP code)		Telephone number

### PROPOSED CODE CHANGE (check one)

☒ Change to read as follows    ☐ Add to read as follows    ☐ Delete and substitute as follows    ☐ Delete without substitution

**N1102.4.1 Building thermal envelope.** The *building thermal envelope* shall comply with Sections N1102.4.1.1 ~~and~~ or N1102.4.1.2. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.

**N1102.4.1.1 ~~Installation-Visual Inspection Option.~~** The components of the *building thermal envelope* as indicated in Table N1102.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria indicated in Table N1102.4.1.1, as applicable to the method of construction. Where required by ~~the code official, an approved third party shall inspect all components and verify compliance.~~ local ordinance, an approved party independent from the installer of the insulation, shall inspect the air barrier and insulation.

**N1102.4.1.2 Testing Option.** .....

### REASON STATEMENT AND FISCAL IMPACT

Reason: This change maintains the current language in the Indiana Residential Code giving builders the option to either test the homes air leakage or to complete the inspection and installation checklist.

Fiscal impact: Saves the expense of blower door test

### REVIEW RECOMMENDATION

Approve
Reject
Approve as amended
Further study



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FOR OFFICE USE ONLY			
Received	11/21/2018	Code	2018 IRC
		Proposal number	# 374
Code title		Edition	
International Residential Code		2018	
Section number and title		Page Number	
E3501 Electrical definitions			
Proponent	Representing (if applicable)		
Charlie Eldridge	Consultant for the Indianapolis Power & Light Company		
Address (number and street, city, state, and ZIP code)		Telephone number	
551 Grassy Ln., Indianapolis, IN 46217		(317) 370-3444	
PROPOSED CODE CHANGE (check one)			
<input checked="" type="checkbox"/> Change to read as follows <input type="checkbox"/> Add to read as follows <input type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution			
<b>Change Section E3501 Electrical definitions as follows:</b> (1) Change the definition of BRANCH CIRCUIT, GENERAL PURPOSE: A branch circuit that supplies two or more <del>receptacles or outlets</del> <u>receptacle outlets or outlets</u> for lighting and appliances.  (2) Replace the definition of Grounding Conductor, Equipment (EGC) to read as follows: <del>The conductive path(s) that provides a ground-fault current path and connects normally noncurrent-carrying metal parts of equipment together and, to the system grounded conductor, the grounding electrode conductor or both. The conductor used to connect the noncurrent-carrying metal parts of equipment, raceways, and other enclosures to the system grounded conductor or the grounding electrode conductor, or both, at the service equipment or at the source of a separately derived system.</del>  (3) Replace the definition of Grounding Electrode Conductor to read as follows: <del>A conductor used to connect the system grounded conductor or the equipment to a grounding electrode or to a point on the grounding electrode system. The conductor used to connect the grounding electrode(s) to the equipment grounding conductor or to the grounded conductor, or to both, at the service equipment, at each building or structure where supplied by a feeder(s) or branch circuit(s), or at the source of a separately derived system.</del>  (4) Delete the definition of LABELED and substitute as follows: See the definition of LABELED in Section R202.  <b>From E3501</b> <b>LABELED.</b> Equipment or materials to which has been attached a label, symbol or other identifying mark of an organization acceptable to the authority having jurisdiction and concerned with product evaluation that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.  <b>From R202</b> <b>[RB] LABELED.</b> Equipment, materials or products to which have been affixed a label, seal, symbol or other identifying mark of a nationally recognized testing laboratory, approved agency or other organization concerned with product evaluation that maintains periodic inspection of the production of such labeled items and whose labeling indicates either that the equipment, material or product meets identified standards or has been tested and found suitable for a specified purpose. For the definition applicable in Chapter 11, see Section N1101.6.			



(5) Delete the definition of LISTED and substitute to read as follows: See the definition of LISTED in Section R202.

From E3501

LISTED. Equipment, materials or services included in a list published by an organization that is acceptable to the authority having jurisdiction and concerned with evaluation of products or services, that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services, and whose listing states either that the equipment, material or services meets identified standards or has been tested and found suitable for a specified purpose.

From R202

[RB] LISTED. Equipment, materials, products or services included in a list published by an organization acceptable to the code official and concerned with evaluation of products or services that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services and whose listing states either that the equipment, material, product or service meets identified standards or has been tested and found suitable for a specified purpose. For the definition applicable in Chapter 11, see Section N11O1.6.

#### REASON STATEMENT AND FISCAL IMPACT

Reason:

The electrical definitions in E3501 above were extracted directly from the electrical definitions in the 2005 Indiana Residential Code.

I have reproduced the definitions for your information and easy reference in brown text. The brown text is not intended to be part of the proposal.

Fiscal impact: **No fiscal impact**

#### REVIEW RECOMMENDATION

Approve

Reject

Approve as amended

Further study



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FOR OFFICE USE ONLY		
Received	Code	Proposal number
12/12/2018	2018 IRC	# 375

Code title		Edition
International Residential Code		2018
Section number and title		Page number
E3902.16 Arc-fault circuit-interrupter protection		
Proponent	Representing (if applicable)	
Steve Rood, Jeff Terrey	Legrand Electrical Wiring Systems, Rasky Partners Inc.	
Address (number and street, city, state, and ZIP code)		Telephone number
50 Boyd Ave. Syracuse, NY 13209		( 315 ) 468-8360

## PROPOSED CODE CHANGE (check one)

- ☒ Change to read as follows
 ☐ Add to read as follows
 ☐ Delete and substitute as follows
 ☐ Delete without substitution

Branch circuits that supply 120-volt, single-phase, 15- and 20-ampere outlets installed in kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreations rooms, closets, hallways, laundry areas and similar rooms or areas shall be protected by any of the following: [210.12(A)]

## REASON STATEMENT AND FISCAL IMPACT

NEW INFORMATION: Although it may have been reported at a previous meeting that AFCI receptacles are available in the market to assist in meeting AFCI protection, this is not viable for new residential construction. There is no AFCI receptacle that would allow an installer to meet the installation code for new residential construction. There is no known viable or commercially available solution that installers can utilize to meet the "system combination-type AFCI" requirement to be able to use an AFCI receptacle on the first outlet. As such, breakers are the only types of solutions that are known to ensure installation code compliance for new residential construction.

NEW INFORMATION: Many other states have introduced and proceeded with amendments and exceptions to national AFCI requirements. South Carolina is the most recent example, where they have enacted the equivalent of this proposal to roll back AFCI requirements out of the kitchen and laundry areas; nuisance tripping in these areas has been reported as a major reason. Fifteen states and three major US municipalities have made amendments to reduce AFCI requirements.

FISCAL IMPACT: Estimated electrical installer savings: \$180 - \$200 per home.

## REVIEW RECOMMENDATION

Approve

Reject

Approve as amended

Further study



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## PROPOSAL FOR CODE CHANGE

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FOR OFFICE USE ONLY		
Received	Code	Proposal number
12/12/2018	2018 IRC	#376

Code title International Residential Code		Edition 2018
Section number and title E4002.14 Tamper-resistant receptacles		Page number
Proponent Eaton Corporation	Representing (if applicable) Kevin S. Arnold, P.E.	
Address (number and street, city, state, and ZIP code)		Telephone number ( 636 ) 615-6083

## PROPOSED CODE CHANGE (check one)

- ☐ Change to read as follows
 ☒ Add to read as follows
 ☐ Delete and substitute as follows
 ☐ Delete without substitution

**E4002.14 Tamper-resistant receptacles.** In areas specified in Section E3901.1, 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles shall be listed tamper-resistant receptacles. [406.12(A)]

**Exception:** Receptacles in the following locations shall not be required to be tamper resistant:

1. Receptacles located more than 5.5 feet (1676 mm) above the floor.
2. Receptacles that are part of a luminaire or appliance.
3. A single receptacle for a single appliance or a duplex receptacle for two appliances where such receptacles are located in spaces dedicated for the appliances served and, under conditions of normal use, the appliances are not easily moved from one place to another. The appliances shall be cord-and-plug-connected to such receptacles in accordance with Section E3909.4. [406.12(A) Exception]

## REASON STATEMENT AND FISCAL IMPACT

I am an electrical engineer that is a registered P.E. and a master electrician of 22 years who has installed thousands of TRRs in homes. It was previously mentioned, without substantiation, that the force to insert cords into a TRR can be challenging for the elderly. In UL 498 under section 111, all device Receptacles (i.e. non-tamper and tamper resistant) are subjected to the same tests which include the Retention of Blades Test. Under this test, all device receptacles are inserted using the same amount of maximum force. When new receptacles are installed (compared to ones that has been in use for years), the spring force of the contact blades on both non-tamper and tamper resistant may feel like it takes more force due to contacts being new and having optimum force for contact and connection. It was also mentioned that other products could be used, however, these do not comply with the NEC or IRC and according to the study conducted by Temple University, they "found that 100% of all 2-4 year olds were able to remove one type of plastic outlet cap within 10 seconds." I encourage you to promote electrical safety by adopting the use of TRRs as stated in the NEC 2017 and IRC 2018 as is for the electrical safety of our children.

## REVIEW RECOMMENDATION

Approve

Reject

Approve as amended

Further study

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Received	12/10/2018	Code
		2018 IRC
		Proposal number
		# 377

Code title		Edition
International Residential Code (IN. Code)		2018 (2020)
Section number and title		Page number
Appendix Q		921-922
Proponent	Representing (if applicable)	
Randy Gulley	Wayne Township Fire Department	
Address (number and street, city, state, and ZIP code)		Telephone number
700 North High School Road, Indianapolis, IN. 46214		( 317 ) 246-6216

PROPOSED CODE CHANGE (check one)

- ☒ Change to read as follows    ☐ Add to read as follows    ☐ Delete and substitute as follows    ☐ Delete without substitution

Appendix Q is adopted in its entirety.

REASON STATEMENT AND FISCAL IMPACT

This appendix is needed as to have a minimum standard set for construction of these tiny homes in Indiana. These homes of which there are many all ready are being built in rural areas and in small parcels of land in the intercity.

See attached info.

REVIEW RECOMMENDATION

Approve

Reject

Approve as amended

Further study



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Ships to: United States

Delivery: Varies

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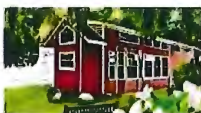
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Received	12/12/2018	Code	2018 IRC	Proposal number	# 378
Code title			Edition		
Indiana Residential Code			2020		
Section number and title			Page Number		
Appendixes F through T			1 of 1, codebook pages 861-943		
Proponent		Representing (if applicable)			
Craig Wagner		IABO			
Address (number and street, city, state, and ZIP code)			Telephone number		
220 W Van Buren St, Ste 204, Columbia City, IN 46725			260-248-3111, cell 260-212-2943		
PROPOSED CODE CHANGE (check one)					
<input type="checkbox"/> Change to read as follows <input type="checkbox"/> Add to read as follows <input type="checkbox"/> Delete and substitute as follows <input checked="" type="checkbox"/> Delete without substitution					
Delete Appendixes F through T without substitution.					
REASON STATEMENT AND FISCAL IMPACT					
This proposal deletes informative appendixes not part of the prescriptive rule.					
Fiscal impact: No fiscal impact					
REVIEW RECOMMENDATION					
Approve					
Reject					
Approve as amended					
Further study					





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Code title <b>International Residential Code</b>		Edition <b>2018</b>	
Section number and title <b>Appendix Q Tiny Houses</b>		Page Number	
Proponent <b>Phil Gettum</b>	Representing (if applicable) <b>Gettum Associates</b>		
Address (number and street, city, state, and ZIP code)		Telephone number	
PROPOSED CODE CHANGE (check one)			
<input type="checkbox"/> Change to read as follows <input checked="" type="checkbox"/> Add to read as follows <input type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution			
<b>APPENDIX Q TINY HOUSES</b>			
<i>This provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.</i>			
<b>User note:</b> <b>About this appendix:</b> Appendix Q relaxes various requirements in the body of the code as they apply to houses that are 400 square feet in area or less. Attention is specifically paid to features such as compact stairs, including stair handrails and headroom, ladders, reduced ceiling heights in lofts and guard and emergency escape and rescue opening requirements at lofts			
REASON STATEMENT AND FISCAL IMPACT			
Reason: Bringing forward Appendix Q will provide uniformity to the construction of tiny houses and guidance to those building them.			
Fiscal impact:			
REVIEW RECOMMENDATION			
Approve			
Reject			
Approve as amended			
Further study			