



PROPOSAL FOR CODE CHANGE

State Form 41186 (R3 / 5-10)

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JAN 25 2019

COMMISSION
STAFF



INSTRUCTIONS:

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FOR OFFICE USE ONLY			
Received 1/25/2019	Code 2018 IRC	Proposal number # 380	
Code title Indiana Residential Code		Edition 2020	
Section number and title R507.4.1 Deck post to deck footing connection.		Page Number 1 of 1, codebook page 163	
Proponent Craig Wagner		Representing (if applicable) IABO	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Columbia City, IN 46725		Telephone number 260-248-3111	
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>R507.4.1 Deck post to deck footing connection. Where posts bear on concrete footings in accordance with Section R403 and Figure R507.4.1 <u>R507.3</u>, lateral restraint shall be provided by manufactured connectors or a minimum post embedment of 12 inches (305 mm) in surrounding soils or concrete piers. Other footing systems shall be permitted.</p> <p>Exception: Where expansive, compressible, shifting or other questionable soils are present, surrounding soils shall not be relied on for lateral support.</p>			
REASON STATEMENT AND FISCAL IMPACT			
This proposal references the correct table number.			
Fiscal impact: none			
REVIEW RECOMMENDATION			
Approve Motion (GF), Second (MP), Approved as submitted			
Reject			
Approve as amended			
Further study			

Approved as submitted by the FPBSC - 2/5/19



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402 West Washington Street, Room W246, Indianapolis, Indiana 46204.

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Received 6/11/18	Code 2018 IRC	Proposal number #116
Code title Indiana Residential Code		Edition 2020
Section number and title R602.1.1 Sawn lumber (walls)		Page Number 1 of 1, codebook page 173
Proponent Craig Wagner	Representing (if applicable) IABO	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Columbia City, IN 46725		Telephone number 260-248-3111
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 the last sentence of R602.1.1 without substitution:		
R602.1.1 Sawn lumber. Sawn lumber shall be identified by a grade mark of an accredited lumber grading or inspection agency and have design values certified by an accreditation body that complies with DOC PS 20. In lieu of a grade mark, a certification of inspection issued by a lumber grading or inspection agency meeting the requirements of this section shall be accepted.		
REASON STATEMENT AND FISCAL IMPACT		
This proposal reflects the current requirement for a grade stamp.		
Fiscal impact: no fiscal impact		
REVIEW RECOMMENDATION		
Approve	Motion, second, Approved as submitted	
Reject		
Approve as amended		
Further study		



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FOR OFFICE USE ONLY																							
Received 6/11/18		Code 2018 IRC		Proposal number #117																			
Code title: Indiana Residential Code						Edition 2020																	
Section number and title Table R602.7(1) GIRDER SPANS^a AND HEADER SPANS^a FOR EXTERIOR BEARING WALLS						Page Number 1 of 1, Codebook, page 262																	
Proponent Craig Wagner				Representing (if applicable) Indiana Association of Building Officials																			
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725						Telephone number (260) 248-3111																	
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>In Table R602.7(1) change the forth row down, directly under row marked as "Building Width", by deleted the three "12"s and substituting three "20"s in their place as follows:</p> <table border="1"> <thead> <tr> <th colspan="8">Building Width^c (feet)</th> </tr> </thead> <tbody> <tr> <td>12 <u>20</u></td> <td>24</td> <td>36</td> <td>12 <u>20</u></td> <td>24</td> <td>36</td> <td>12 <u>20</u></td> <td>24 36</td> </tr> </tbody> </table>								Building Width ^c (feet)								12 <u>20</u>	24	36	12 <u>20</u>	24	36	12 <u>20</u>	24 36
Building Width ^c (feet)																							
12 <u>20</u>	24	36	12 <u>20</u>	24	36	12 <u>20</u>	24 36																
REASON STATEMENT AND FISCAL IMPACT																							
This proposal is one of the errata for the 2018 IRC as published by ICC.																							
Fiscal impact: This proposal is fiscally neutral.																							
REVIEW RECOMMENDATION																							
Approve Motion, Second, Approved as submitted																							
Reject																							
Approve as amended																							
Further study																							



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FOR OFFICE USE ONLY			
Received 8/15/2018	Code 2018 IRC	Proposal number #187	
Code title International Residential Code		Edition 2018	
Section number and title R602.10 Wall bracing		Page Number	
Proponent Matthew Brown		Representing (if applicable) Indiana Builders Association	
Address (number and street, city, state, and ZIP code) 101 W Ohio Street, Indianapolis, IN. 46204		Telephone number 800-377-6334	
PROPOSED CODE CHANGE (check one)			
<input checked="" 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 exception</p> <p>R602.10 Wall bracing. Buildings shall be braced in accordance with this section or, when applicable, Section R602.12. Where a building, or portion thereof, does not comply with one or more of the bracing requirements in this section, those portions shall be designed and constructed in accordance with Section R301.1.</p> <p>Exception: <u>APA Simplified Wall Bracing Method, SR-102, may be used as an alternate method of wall bracing subject to limitations in document.</u></p> <p>add "V5"</p>			
REASON STATEMENT AND FISCAL IMPACT			
<p>Reason: The base code requirements assume WSP at 3/8 Category in our area all builders use 7/16 Category Wood Structural panels. The APA simplified method simplify's code compliance by utilizing the extra capacity of 7/16 Category panels and reduces the amount of adjustment factors, thus reducing the time to calculate a wall bracing plan and simplifying review of wall bracing plans.</p> <p>Fiscal impact: No fiscal impact.</p>			
REVIEW/RECOMMENDATION			
Approve			
Reject			
Approve as amended Motion, Second, Approved as Amended			
Further study			



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FOR OFFICE USE ONLY		
Received	6/13/18	Code 2018 IRC
		Proposal number # 118

Code title Indiana Residential Code		Edition 2020
Section number and title R602.10.9 Braced Wall Panel Support		Page number
Proponent Joe Heinsman	Representing (if applicable)	
Address (number and street, city, state, and ZIP code) 550 Virginia Avenue, Indianapolis, IN 46203		Telephone number (317) 423-1550

PROPOSED CODE CHANGE (check one)

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

Change the third sentence to read as follows:

Item # 2

2. The capacity of ~~raised~~ floor system post or pier foundations supporting braced wall panels to transmit lateral loads ~~the~~ the floor system and into the foundation shall be designed in accordance with accepted engineering practice.

through

REASON STATEMENT AND FISCAL IMPACT

Adds scope clarity.
no fiscal impact.

REVIEW/RECOMMENDATION

Approve

Reject

Approve as amended

Motion, Second, Approved as amended

Further study



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FOR OFFICE USE ONLY			
Received	6/11/18	Code	2018 IRC
		Proposal number	#119
Code title: Indiana Residential Code			Edition 2020
Section number and title R604.1 Identification and grade			Page Number 1 of 1, Codebook, page 262
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
PROPOSED CODE CHANGE (check one)			
<input checked="" type="checkbox"/> X 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			
Change Section R604.1 as follows:			
R604.1 Identification and grade.			
Wood structural panels shall conform to DOC PS 1, DOC PS 2 or ANSI/APA PRP 210, CSA O325 or CSA O437. Panels shall be identified by a grade mark or certificate of inspection issued by an approved agency.			
REASON STATEMENT AND FISCAL IMPACT			
This proposal reflects the language in our current rule that requires a grade mark.			
Fiscal impact: This proposal is fiscally neutral since this reflects the current rule.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY			
Received	6/11/18	Code	2018 IRC
		Proposal number	#120
Code title: Indiana Residential Code			Edition 2020
Section number and title R605.1 Identification and grade (particleboard)			Page Number 1 of 1, Codebook, page 262
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
PROPOSED CODE CHANGE (check one)			
<input checked="" type="checkbox"/> X 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			
Change Section R605.1 as follows: R605.1 Identification and grade. Particleboard shall conform to ANSI A208.1 and shall be so identified by a grade mark or certificate of inspection issued by an approved agency. Particleboard shall comply with the grades specified in Table 602.3(4).			
REASON STATEMENT AND FISCAL IMPACT			
This proposal reflects the language in our current rule that requires a grade mark.			
Fiscal impact: This proposal is fiscally neutral since this reflects the current rule.			
REVIEW RECOMMENDATION			
Approve	<i>Motion, Second, Approved as submitted</i>		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY			
Received 6/11/18	Code 2018 IRC	Proposal number #121	
Code title: Indiana Residential Code			Edition 2020
Section number and title R606.3.5.2 Cleanouts			Page Number 1 of 1, Codebook, page 265
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
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 Section R606.3.5.2 as follows:</p> <p>R606.3.5.2 Cleanouts.</p> <p>Provisions shall be made for cleaning the space to be grouted. Mortar that projects more than ½ inch (12.7 mm) into the grout space and any other foreign matter shall be removed from the grout space prior to inspection and grouting. <u>Cleanouts</u> shall be provided in the bottom course of masonry for each grout pour where the grout pour height exceeds 64 inches (1626 mm). In solid grouted masonry, cleanouts shall be spaced horizontally not more than 32 inches (813 mm) on center. The cleanouts shall be sealed before grouting and after inspection.</p>			
REASON STATEMENT AND FISCAL IMPACT			
<p>This proposal reflects the language in our current rule that removes the discretion of the building official. Inspection requirements are a local ordinance issue.</p> <p>Fiscal impact: This proposal is fiscally neutral since this reflects the current rule.</p>			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY			
Received 7/11/18	Code 2018 IRC	Proposal number # 129	
Code title: Indiana Residential Code			Edition 2020
Section number and title R702.7.2 Material vapor retarder class.			Page Number 1 of 1, Codebook, page 363
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
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			
Change Section R702.7.2 as follows: R702.7.2 Material vapor retarder class. The vapor retarder class shall be based on the manufacturer's certified testing or a tested assembly.			
The following shall be deemed to meet the class specified:			
1. Class I: Sheet polyethylene, on-perforated <u>unperforated</u> aluminum foil. 2. Class II: Kraft-faced fiberglass batts. 3. Class III: Latex or enamel paint.			
REASON STATEMENT AND FISCAL IMPACT			
This proposal corrects a mistake in the 2018 IRC.			
Fiscal impact: This proposal is fiscally neutral.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY			
Received 7/11/18	Code 2018 IRC	Proposal number # 130	
Code title International Residential Code		Edition 2018	
Section number and title Table R703.8.4(1)		Page Number 376	
Proponent Lynn Madden		Representing (if applicable) Hallmark Homes	
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

TABLE R703.8.4(1) TIE ATTACHMENT AND AIRSPACE REQUIREMENTS

BACKING AND TIE	MINIMUM TIE	MINIMUM TIE FASTENER ^a	AIRSPACE	
Wood stud backing with corrugated sheet metal	22 U.S. gage (0.0299 in.) × 7/8 in. wide	8d common nail ^b (2 1/2 in. × 0.131 in.)	Nominal 1 in. 3/4 in. minimum between sheathing and veneer	
Wood stud backing with metal strand wire	W1.7 (No. 9 U.S. gage; 0.148 in.) with hook embedded in mortar joint	8d common nail ^b (2 1/2 in. × 0.131 in.)	Minimum nominal 4 in. 3/4 in. minimum between sheathing and veneer	Maximum 4 1/2 in. between backing and veneer
Cold-formed steel stud backing with adjustable metal strand wire	W1.7 (No. 9 U.S. gage; 0.148 in.) with hook embedded in mortar joint	No. 10 screw extending through the steel framing a minimum of three exposed threads	Minimum nominal 4 in. 3/4 in. minimum between sheathing and veneer	Maximum 4 1/2 in. between backing and veneer

For SI: 1 inch = 25.4 mm.

- a. In Seismic Design Category D₀, D₁ or D₂, the minimum tie fastener shall be an 8d ring-shank nail (2 1/2 in. × 0.131 in.) or a No. 10 screw extending through the steel framing a minimum of three exposed threads.
- b. All fasteners shall have rust-inhibitive coating suitable for the installation in which they are being used, or be manufactured from material not susceptible to corrosion.
- c. ~~An airspace that provides drainage shall be permitted to contain mortar from construction.~~ Mortar is permitted to encroach into the airspace or make incidental contact with the sheathing or the sheathing paper or equivalent.

REASON STATEMENT AND FISCAL IMPACT	
Reason: per the 2005 Indiana Residential Code, Section R703.7.4.2 air space	
REVIEW RECOMMENDATION	
Approve	<i>Motion, Second, Approved as submitted</i>
Reject	
Approve as amended	
Further study	

*Motion to Disapprove -
No Second*

Motion to Disapprove fails

*Motion to Approve - Phil
Second - Bill*

*Approved on hand vote
w/ 6 votes.*



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FOR OFFICE USE ONLY			
Received 12/14/2018	Code 2018 IRC	Proposal number # 368	
Code title International Residential Code		Edition 2018	
Section number and title R703.8.6 Weepholes		Page Number 376	
Proponent Lynn Madden		Representing (if applicable) Hallmark Homes	
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 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: <u>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).</u></p> <p><u>Insert Figures R703.8.6(1) and R703.8.6(2).</u></p>			
REASON STATEMENT AND FISCAL IMPACT			
<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: No Fiscal Impact - reflects current code</p>			
REVIEW RECOMMENDATION			
Approve			
Reject			
Approve as amended Motion, Second, Approved as amended			
Further study			

Re-opened for discussion (more than 8 members in favor)

FIGURE R703.8.6(1)

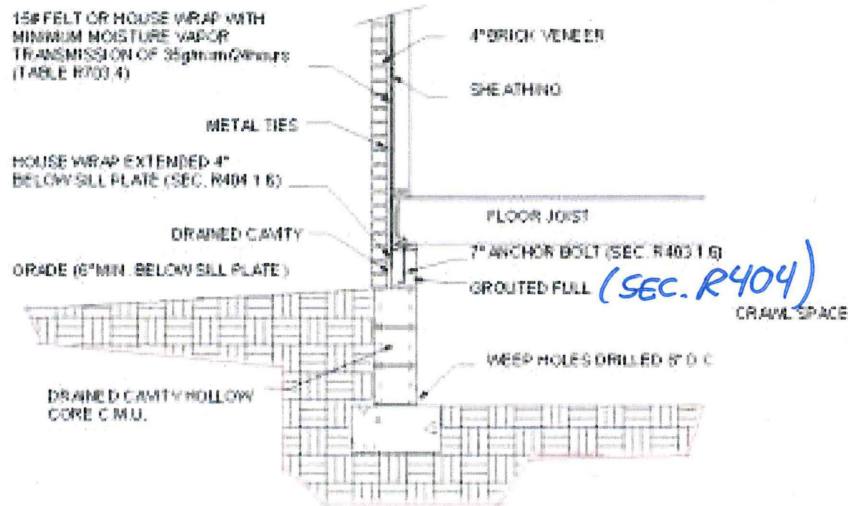
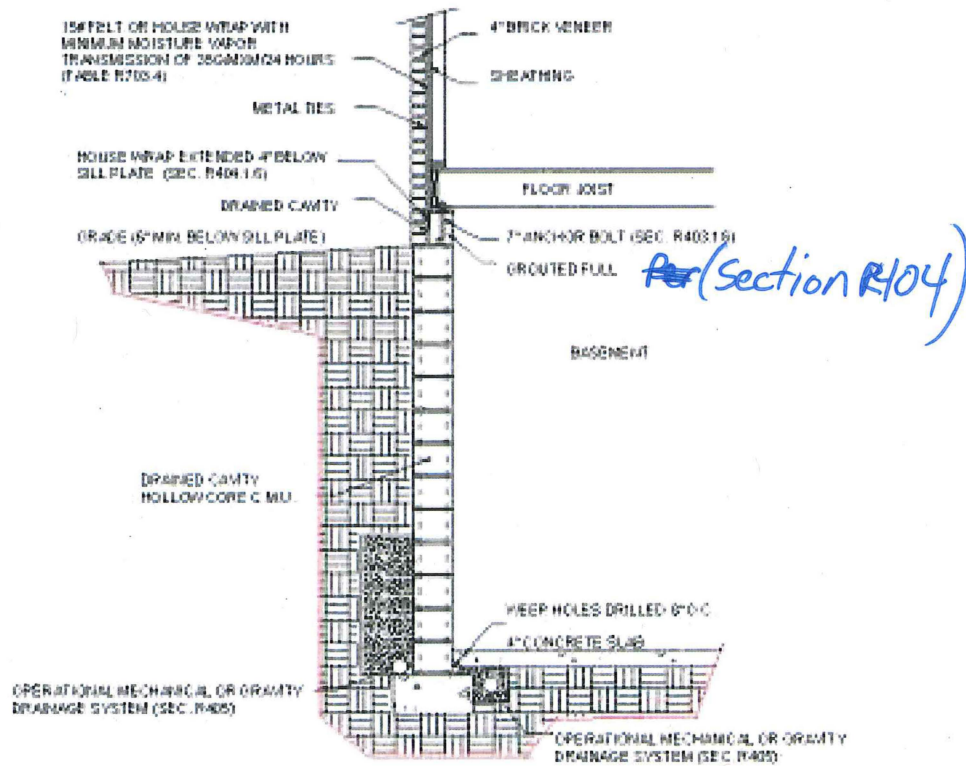


FIGURE R703.8.6(2)





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FOR OFFICE USE ONLY			
Received	7/11/18	Code	2018 IRC
		Proposal number	# 133
Code title: Indiana Residential Code			Edition 2020
Section number and title R802.1.1 Sawn lumber.			Page Number 1 of 1, Codebook, page 383
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
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			
Change Section R802.1.1 as follows:			
R802.1.1 Sawn lumber. Sawn lumber shall be identified by a grade mark of an accredited lumber grading or inspection agency and have design values certified by an accreditation body that complies with DOC PS 20. In lieu of a grade mark, a certificate of inspection issued by a lumber grading or inspection agency meeting the requirements of this section shall be accepted.			
REASON STATEMENT AND FISCAL IMPACT			
This proposal requires a grade stamp on lumber as is required in the rest of Indiana's code.			
Fiscal impact: This proposal is fiscally neutral.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY			
Received	7/11/18	Code	2018 IRC
		Proposal number	#134
Code title: Indiana Residential Code			Edition 2020
Section number and title R802.10.1 Truss design drawings.			Page Number 1 of 1, Codebook, page 408
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
PROPOSED CODE CHANGE (check one)			
<input checked="" type="checkbox"/> X 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			
Change Section R802.10.1 as follows:			
R802.10.1 Truss design drawings. Truss design drawings, prepared in conformance to Section R802.10.1, shall be provided to the building official and approved prior to installation. Truss design drawings shall be provided to the building official as required by the General Administrative Rules (675 IAC 12) for Class 1 structures or by local ordinance for Class 2 structures. Truss design drawings shall be provided with the shipment of trusses delivered to the job site. Truss design drawings shall include, at a minimum, the following information:			
REASON STATEMENT AND FISCAL IMPACT			
This proposal follows GAR requirements for drawings.			
Fiscal impact: This proposal provides a savings from the 2018 IRC. $14,068 \times .60 = 8441$ affected structures $\times \$30$ (estimates cost savings per structure) = <u>\$253,230 savings.</u>			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			

Motion to Deny failed for lack of second.



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FOR OFFICE USE ONLY			
Received	7/11/18	Code	2018 IRC
		Proposal number	#135
Code title: Indiana Residential Code			Edition 2020
Section number and title R803.2.1 Identification and grade.			Page Number 1 of 1, Codebook, page 409
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
PROPOSED CODE CHANGE (check one)			
<input checked="" type="checkbox"/> X 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			
Change Section R803.2.1 as follows: R803.2.1 Identification and grade. Wood structural panels shall conform to DOC PS 1, DOC PS 2, CSA O437 or CSA O325, and shall be identified for grade, bond classification and performance category by a grade mark or certificate of inspection issued by an approved agency. Wood structural panels shall comply with the grades specified in Table R503.2.1.1(1).			
REASON STATEMENT AND FISCAL IMPACT			
This proposal requires a panel grade stamp as is required in Indiana's codes. Fiscal impact is neutral.			
REVIEW RECOMMENDATION			
Approve	<i>Motion, Second, Approved as submitted</i>		
Reject			
Approve as amended			
Further study			



PROPOSAL FOR CODE CHANGE

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Received	7/11/18	Code	2018 IRC
		Proposal number	# 136
Code title		Edition	
International Residential Code		2018	
Section number and title		Page Number	
R806.1 Ventilation required		427	
Proponent		Representing (if applicable)	
Lynn Madden		Hallmark Homes	
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 an exception to Section R806.1 Ventilation required to read as follows: <u>EXCEPTION: Mechanical ventilation is permitted provided the following conditions are met:</u> 1. <u>The installation complies with manufacturer's instructions.</u> 2. <u>A humidistat is included with the installation.</u> 3. <u>An ammeter or equivalent device is installed in a readily visible location.</u>			
(Handwritten note: } new exception added underlined as new language)			
REASON STATEMENT AND FISCAL IMPACT			
Reason: per the 2005 Indiana Residential Code			
fiscal impact: neutral			
REVIEW RECOMMENDATION			
Approve			
(Handwritten: Ato)			
Reject			
Approve as amended			
Motion, Second, Approved as amended			
Further study			



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FOR OFFICE USE ONLY			
Received 7/11/18	Code 2018 IRC	Proposal number #137	
Code title International Residential Code		Edition 2018	
Section number and title R902.4 Rooftop-mounted photovoltaic panel systems		Page Number 431	
Proponent Lynn Madden		Representing (if applicable) Hallmark Homes	
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>R902.4 Rooftop-mounted photovoltaic panel systems. Rooftop-mounted photovoltaic panels and modules installed on or above the roof covering shall be tested, listed and identified with a fire classification in accordance with UL 1703. Class A, B or C photovoltaic panels and modules shall be installed in jurisdictions designated by law as requiring their use or where the edge of the roof is less than 3 feet (914 mm) from a lot line.</p>			
REASON STATEMENT AND FISCAL IMPACT			
<p>Fiscal Impact: neutral</p>			
REVIEW RECOMMENDATION			
Approve	<p>Motion, Second, Approved as submitted</p>		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY		
Received 7/11/18	Code 2018 IRC	Proposal number #143
Code title International Residential Code		Edition 2018
Section number and title R905.2.6 Attachment		Page Number 436
Proponent Lynn Madden	Representing (if applicable) Hallmark Homes	
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>R905.2.6 Attachment. Asphalt shingles shall have the minimum number of fasteners required by the manufacturer's approved installation instructions, but not less than four fasteners per strip shingle or two fasteners per individual shingle. Where the roof slope exceeds 21 units vertical in 12 units horizontal (21:12, 175-percent slope), shingles shall be installed in accordance with the manufacturer's approved installation instructions.</p>		
REASON STATEMENT AND FISCAL IMPACT		
No Fiscal Impact		
REVIEW RECOMMENDATION		
Approve	Motion, Second, Approved as submitted	
Reject		
Approve as amended		
Further study		



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FOR OFFICE USE ONLY			
Received	7/11/18	Code	2018 IRC
		Proposal number	#144
Code title		Edition	
International Residential Code		2018	
Section number and title		Page Number	
R905.2.8 Flashing		437	
Proponent		Representing (if applicable)	
Lynn Madden		Hallmark Homes	
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>R905.2.8 Flashing. Flashing for asphalt shingles shall comply with this section and the asphalt shingle manufacturer's approved installation instructions.</p>			
REASON STATEMENT AND FISCAL IMPACT			
No fiscal impact			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY		
Received 7/11/18	Code 2018 IRC	Proposal number #145
Code title International Residential Code		Edition 2018
Section number and title R905.2.8.4 Other flashing		Page Number 437
Proponent Lynn Madden	Representing (if applicable) Hallmark Homes	
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>R905.2.8.4 Other Flashing. Flashing against a vertical front wall, as well as soil stack, vent pipe and chimney flashing, shall be applied in accordance with the asphalt shingle manufacturer's printed instructions.</p>		
REASON STATEMENT AND FISCAL IMPACT		
No Fiscal Impact		
REVIEW RECOMMENDATION		
Approve	Motion, Second, Approved as submitted	
Reject		
Approve as amended		
Further study		



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FOR OFFICE USE ONLY		
Received 7/11/18	Code 2018 IRC	Proposal number # 146
Code title International Residential Code		Edition 2018
Section number and title Figure 1003.9 Termination		Page Number 452
Proponent Lynn Madden	Representing (if applicable) Hallmark Homes	
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		
After section R1003.9 Termination, add Figure 1003.9 Termination as follows:		
<p align="center">FIGURE 1003.9 TERMINATION</p>		
REASON STATEMENT AND FISCAL IMPACT		
Per the 2005 Indiana Residential Code, Figure R1001.6 fiscal Impact: 0 / None		
REVIEW RECOMMENDATION		
Approve Motion, Second, Approved as submitted		
Reject		
Approve as amended		
Further study		



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FOR OFFICE USE ONLY			
Received	7/11/18	Code	2018 IRC
		Proposal number	#148
Code title: Indiana Residential Code			Edition 2020
Section number and title N1101.5 Information on construction documents			Page Number 1 of 1, Codebook, page 459
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
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 Sections N1101.5 and N1101.5.1 and substitute as follow:			
<u>N1101.5 Construction documents. Energy conservation construction documents shall be submitted for Class 1 structures as required by the General Administrative Rules (675 IAC 12-6) and for Class 2 structures as required by local ordinance.</u>			
REASON STATEMENT AND FISCAL IMPACT			
This proposal reflects the language in our current rule for plans			
Fiscal impact: This proposal is fiscally neutral since this reflects the current rule.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY			
Received 7 / 11 / 18	Code 2018 IRC	Proposal number # 149	
Code title Indiana Residential Code		Edition 2020	
Section number and title N1101.6 Defined terms		Page Number 1 of 1, codebook page 460	
Proponent Phil Gettum, Gettum Associates		Representing (if applicable) IABO	
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			
Change Section N1101.6 as follows:			
HEATED SLAB. Slab-on-grade construction in which the heating elements, hydronic tubing, or hot air distribution system is in contact with, or placed within or under , the slab.			
REASON STATEMENT AND FISCAL IMPACT			
This proposal defines heated slab in a way that best works with other 2018 IRC sections and proposed sections.			
Fiscal impact: no fiscal impact			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY			
Received	7/11/18	Code	2018 IRC
		Proposal number	# 150
Code title: Indiana Residential Code		Edition 2020	
Section number and title N1101.6 Defined terms		Page Number 1 of 1, Codebook, page 459	
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725		Telephone number (260) 248-3111	
PROPOSED CODE CHANGE (check one)			
<input checked="" type="checkbox"/> X 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			
Change Section N1101.6 to read as follows:			
Residential Building. For this chapter, includes detached one- and two-family dwellings and multiple single-family dwellings (townhouses) as well as Group R-2, R-3 and R-4 buildings three stories or less in height above grade plane. <u>, townhouses, applicable Class 1 structures, and their accessory structures.</u>			
REASON STATEMENT AND FISCAL IMPACT			
This proposal reflects the language in our current rule.			
Fiscal impact: This proposal is fiscally neutral since this reflects the current rule.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY									
Received <u>7/11/18</u>	Code <u>2018 IRC</u>	Proposal number <u># 151</u>							
Code title Indiana Residential Code								Edition 2019	
Section number and title Table N1102.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT^a								Page Number 1 of 2, Codebook page 480	
Proponent Craig Wagner					Representing (if applicable) Indiana Association of Building Officials				
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725								Telephone number (260) 248-3111	
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	SKYLIGHT U-FACTOR ^b	CEILING R-VALUE	WOOD FRAME R-VALUE	MASS WALL R-VALUE ^g	FLOOR R-VALUE	BASEMENT WALL R-VALUE ^c	SLAB R-VALUE AND DEPTH ^d	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^f</u>	<u>13/17</u>	<u>30^e</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>									
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= <u>\$ 1,372,500</u></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.

AUG 14 2018

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Received	Code	Proposal number																																	
8/14/2018	2018 IRC	#194																																	
Code title		Edition																																	
Indiana Residential Code		2020																																	
Section number and title		Page Number																																	
Table N1102.2.6 Steel-frame ceiling, wall and floor insulation R-values		1 of 2, codebook page 481																																	
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 checked="" type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution																																			
Delete Table N1102.2.6 and substitute as follows:																																			
<p>TABLE N1102.2.6</p> <p>STEEL-FRAME CEILING, WALL AND FLOOR INSULATION R-VALUES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">WOOD FRAME R-VALUE REQUIREMENT</th> <th style="width: 50%;">COLD-FORMED STEEL EQUIVALENT R-VALUE ^a</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;">Steel Truss Ceilings ^a</td> </tr> <tr> <td>R-30</td> <td>R-38 or R-30 + 3 or R-26 + 5</td> </tr> <tr> <td>R-38</td> <td>R-49 or R-38 + 3</td> </tr> <tr> <td>R-49</td> <td>R-38 + 5</td> </tr> <tr> <td colspan="2" style="text-align: center;">Steel Joist Ceilings ^b</td> </tr> <tr> <td>R-30</td> <td>R-38 in 2 × 4 or 2 × 6 or 2 × 8; R-49 in any framing</td> </tr> <tr> <td>R-38</td> <td>R-49 in 2 × 4 or 2 × 6 or 2 × 8 or 2 × 10</td> </tr> <tr> <td colspan="2" style="text-align: center;">Steel Framed Wall</td> </tr> <tr> <td>R-13</td> <td>R-13 + 5 or R-15 + 4 or R-21 + 3 or R-0 + 10</td> </tr> <tr> <td>R-15</td> <td>R-11 + 5 or R-13 + 4 or R-21 + 3 or R-0 + 15</td> </tr> <tr> <td>R-19</td> <td>R-13 + 9 or R-19 + 8 or R-25 + 7</td> </tr> <tr> <td>R-21</td> <td>R-13 + 10 or R-19 + 9 or R-25 + 8</td> </tr> <tr> <td colspan="2" style="text-align: center;">Steel Joist Floor</td> </tr> <tr> <td>R-13</td> <td>R-19 in 2 × 6 or R-19 + R-6 in 2 × 8 or 2 × 10</td> </tr> <tr> <td>R-19</td> <td>R-19 + R-6 in 2 × 6 or R-19 + R-12 in 2 × 8 or 2 × 10</td> </tr> </tbody> </table>				WOOD FRAME R-VALUE REQUIREMENT	COLD-FORMED STEEL EQUIVALENT R-VALUE ^a	Steel Truss Ceilings ^a		R-30	R-38 or R-30 + 3 or R-26 + 5	R-38	R-49 or R-38 + 3	R-49	R-38 + 5	Steel Joist Ceilings ^b		R-30	R-38 in 2 × 4 or 2 × 6 or 2 × 8; R-49 in any framing	R-38	R-49 in 2 × 4 or 2 × 6 or 2 × 8 or 2 × 10	Steel Framed Wall		R-13	R-13 + 5 or R-15 + 4 or R-21 + 3 or R-0 + 10	R-15	R-11 + 5 or R-13 + 4 or R-21 + 3 or R-0 + 15	R-19	R-13 + 9 or R-19 + 8 or R-25 + 7	R-21	R-13 + 10 or R-19 + 9 or R-25 + 8	Steel Joist Floor		R-13	R-19 in 2 × 6 or R-19 + R-6 in 2 × 8 or 2 × 10	R-19	R-19 + R-6 in 2 × 6 or R-19 + R-12 in 2 × 8 or 2 × 10
WOOD FRAME R-VALUE REQUIREMENT	COLD-FORMED STEEL EQUIVALENT R-VALUE ^a																																		
Steel Truss Ceilings ^a																																			
R-30	R-38 or R-30 + 3 or R-26 + 5																																		
R-38	R-49 or R-38 + 3																																		
R-49	R-38 + 5																																		
Steel Joist Ceilings ^b																																			
R-30	R-38 in 2 × 4 or 2 × 6 or 2 × 8; R-49 in any framing																																		
R-38	R-49 in 2 × 4 or 2 × 6 or 2 × 8 or 2 × 10																																		
Steel Framed Wall																																			
R-13	R-13 + 5 or R-15 + 4 or R-21 + 3 or R-0 + 10																																		
R-15	R-11 + 5 or R-13 + 4 or R-21 + 3 or R-0 + 15																																		
R-19	R-13 + 9 or R-19 + 8 or R-25 + 7																																		
R-21	R-13 + 10 or R-19 + 9 or R-25 + 8																																		
Steel Joist Floor																																			
R-13	R-19 in 2 × 6 or R-19 + R-6 in 2 × 8 or 2 × 10																																		
R-19	R-19 + R-6 in 2 × 6 or R-19 + R-12 in 2 × 8 or 2 × 10																																		
<p>For SI: 1 inch = 25.4 mm.</p> <p>a. Cavity insulation R-value is listed first, followed by continuous insulation R-value.</p> <p>b. Insulation exceeding the height of the framing shall cover the framing.</p>																																			

REASON STATEMENT AND FISCAL IMPACT	
This proposal lists the equivalent R-values for light-gauge steel frame structures for the table previously approved by the committee.	
Fiscal impact: no fiscal impact	
REVIEW RECOMMENDATION	
Approve	<i>Motion, Second, Approved as submitted</i>
Reject	
Approve as amended	
Further study	



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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 12/14/2018	Code 2018 IRC	Proposal number # 373	
Code title International Residential Code			Edition 2018
Section number and title N1102.4.1 Building thermal envelope			Page Number
Proponent Bill Kaufholz		Representing (if applicable) Fischer Homes	
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>N1102.4.1 Building thermal envelope. The <i>building thermal envelope</i> shall comply with Sections N1102.4.1.1 and or ^{and} N1102.4.1.2. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.</p> <p>N1102.4.1.1 <u>Installation</u> Visual Inspection Option. The components of the <i>building thermal envelope</i> 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.</p> <p>N1102.4.1.2 <u>Verification.</u> Testing Option.</p>			
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 ^{\$1500} on \$984,900 in savings from 2018 IRC			
REVIEW RECOMMENDATION			
Approve			
Reject			
Approve as amended Motion, Second, Approved as amended			
Further study			

Re-opened for discussion (2/3 vote)

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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	Code	Proposal number
7/11/18	2018 IRC	# 154

Code title International Residential Code		Edition 2018
Section number and title N1102.4.1.2 Testing		Page number 482
Proponent	Representing (if applicable) Indiana Builders Association	
Address (number and street, city, state, and ZIP code) 101 W Ohio Street, Indianapolis, IN 46204		Telephone number (800) 377-6334

PROPOSED CODE CHANGE (check one)

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

N1102.4.1.2 (R402.4.1.2) Testing. The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding five air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Testing shall be conducted in accordance with ASTM E 779 or ASTM E 1827 and reported at a pressure of 0.2 inches w.g. (50 Pascals).

visually inspected for verification of compliance with Table N1102.1.2 and Table N1102.1.4, or

Where required by the *building official*, testing shall be conducted by an *approved* third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the *building official*. Testing shall be performed at any time after creation of all penetrations of the *building thermal envelope*.

During testing:

1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.

Note: Text continues to list items 2-6 and no changes are made to those items.

REASON STATEMENT AND FISCAL IMPACT

Going from our current of 7 ACH to 3 ACH would be very difficult. Most states that have adopted the 2015 IECC/IRC have amended the air leakage rate to 5 ACH to provide a step towards 3 ACH. The proposed 5 ACH while still an aggressive tightness level will provide a tight, comfortable, energy-efficient home. Additionally, homes with less than 5 ACH should be provided with mechanical ventilation.

$$\$50 \times 14,068 = \$703,400$$

12/19/18 Meeting: Additional amendments do not alter noted fiscal impact.

savings - noted at 7/18/18 meeting

REVIEW RECOMMENDATION	
Approve	<i>Motion, Second, Approved as submitted</i>
Reject	
Approve as amended	<i>Motion, Second, Approved as amended. (12/19/18)</i>
Further study	<i>Motion</i>

Re-opened for discussion on 12/19/18



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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	7/11/18	Code	2018 IRC
		Proposal number	# 155
Code title: Indiana Residential Code		Edition 2020	
Section number and title N1103.3.1 Insulation		Page Number 1 of 1, Codebook, page 484	
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725		Telephone number (260) 248-3111	
PROPOSED CODE CHANGE (check one)			
<input checked="" type="checkbox"/> X 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			
N1103.3.1 (R403.3.1) Insulation (Prescriptive). Supply and return ducts in attics shall be insulated to an R-value of not less than R-8 for ducts 3 inches (76 mm) in diameter and larger and not less than R-6 for ducts smaller than 3 inches (76 mm) in diameter. Supply and return ducts in other portions of the building shall be insulated to not less than R-6 for ducts 3 inches (76 mm) in diameter <u>and larger</u> and to not less than R-4.2 for ducts smaller than 3 inches (76.2 mm) in diameter.			
REASON STATEMENT AND FISCAL IMPACT			
This proposal corrects mistakes in this section.			
Fiscal impact: This proposal is fiscally neutral.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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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	Code	Proposal number
8/15/2018	2018 IRC	#196

Code title		Edition
International Residential Code		2018
Section number and title		Page number
N1103.3.3 Duct testing (Mandatory)		
Proponent	Representing (if applicable)	
	Indiana Builders Association	
Address (number and street, city, state, and ZIP code)		Telephone number
101 W Ohio Street, Indianapolis, IN 46204		(800) 377-6334

PROPOSED CODE CHANGE (check one)

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

N1103.3.3 (R403.3.3) Duct testing (Mandatory). Ducts shall be pressure tested to determine air leakage by one of the following methods:

1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test. Registers shall be taped or otherwise sealed during the test.

2. Postconstruction test: ~~Total Leakage~~ to outside shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test. Registers shall be taped or otherwise sealed during the test.

Exceptions:

1. A duct air-leakage test shall not be required where the ducts and air handlers are located entirely within the *building thermal envelope*.
2. A duct air-leakage test shall not be required for ducts serving heat or energy recovery ventilators that are not integrated with ducts serving heating or cooling systems.

A written report of the results of the test shall be signed by the party conducting the test and provided to the *building official*.

REASON STATEMENT AND FISCAL IMPACT

REVIEW RECOMMENDATION

Approve

Motion, Second, Approved as submitted

Reject

Approve as amended

Further study



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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	8/15/2018	Code 2018 IRC
		Proposal number #197

Code title International Residential Code		Edition 2018
Section number and title N1103.3.4 Duct leakage (Prescriptive)		Page number
Proponent	Representing (if applicable) Indiana Builders Association	
Address (number and street, city, state, and ZIP code) 101 W Ohio Street, Indianapolis, IN 46204		Telephone number (800) 377-6334

PROPOSED CODE CHANGE (check one)

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

N1103.3.4 (R403.3.4) Duct leakage (Prescriptive). The total leakage of the ducts, where measured in accordance with Section N1103.3.3 (R403.3.3), shall be as follows:

1. Rough-in test: The total leakage shall be less than or equal to 4 cubic feet per minute (113.3 L/min) per 100 square feet (9.29 m²) of conditioned floor area where the air handler is installed at the time of the test. Where the air handler is not installed at the time of the test, the total leakage shall be less than or equal to 3 cubic feet per minute (85 L/min) per 100 square feet (9.29 m²) of conditioned floor area.
2. Postconstruction test: ~~Total Leakage~~ to outside shall be less than or equal to 4 cubic feet per minute (113.3 L/min) per 100 square feet (9.29 m²) of conditioned floor area.

REASON STATEMENT AND FISCAL IMPACT

REVIEW RECOMMENDATION	
Approve	Motion, Second, Approved as submitted.
Reject	
Approve as amended	
Further study	



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FOR OFFICE USE ONLY			
Received	11/16/2018	Code	2018 IRC
		Proposal number	# 356
Code title		Edition	
International Residential Code		2018	
Section number and title		Page Number	
N1103.3.5 Building cavities			
Proponent		Representing (if applicable)	
Bill Kaufholz		Fischer Homes	
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>N1103.3.5 Building cavities (Mandatory). <i>Building framing cavities shall not be used as <u>supply</u> ducts or plenums.</i></p>			
REASON STATEMENT AND FISCAL IMPACT			
<p>Reason: This maintains the current code language and allows building cavities to be used for return ducts. Changing the testing from Total leakage to Leakage to Outside that we approved a few meetings ago allows this exception to be valid.</p> <p>Fiscal impact: Requiring all homes to have fully ducted return ducts will add \$2,000-\$5,000/new home.</p>			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted.		
Reject			
Approve as amended			
Further study			



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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	7/11/18	Code	2018 IRC
		Proposal number	#156
Code title: Indiana Residential Code			Edition 2020
Section number and title N1103.6 Mechanical ventilation			Page Number 1 of 1, Codebook, page 486
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
PROPOSED CODE CHANGE (check one)			
<input type="checkbox"/> X 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			
N1103.6 (R403.6) Mechanical ventilation (Mandatory). The building shall be provided with ventilation that complies with the requirements of Section M1507 <u>M1505</u> or with other approved means of ventilation. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.			
REASON STATEMENT AND FISCAL IMPACT			
This proposal corrects a mistake in this section.			
Fiscal impact: This proposal is fiscally neutral.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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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	7/11/18	Code	2018 IRC
		Proposal number	# 157
Code title: Indiana Residential Code		Edition 2020	
Section number and title N1105.3 Performance based compliance.		Page Number 1 of 1, Codebook, page 487	
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725		Telephone number (260) 248-3111	
PROPOSED CODE CHANGE (check one)			
<input type="checkbox"/> X 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			
N1105.3 (R405.3) Performance-based compliance. Compliance based on simulated energy performance requires that a proposed residence (proposed design) be shown to have an annual energy cost that is less than or equal to the annual energy cost of the standard reference design. Energy prices shall be taken from a source approved by the building official, such as the Department of Energy, Energy Information Administration's State Energy Data System Prices and Expenditures reports. Building officials shall be permitted to require time-of-use pricing in energy cost calculations.			
REASON STATEMENT AND FISCAL IMPACT			
This proposal will not allow a local jurisdiction to require energy raters to use specific time-of-use data for calculations.			
Fiscal impact: This proposal is fiscally neutral.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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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	7/11/18	Code	2018 IRC
		Proposal number	# 158
Code title: Indiana Residential Code			Edition 2020
Section number and title N1105.3 Performance based compliance.			Page Number 1 of 1, Codebook, page 487
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
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 first paragraph of Section N1105.4.2 as follows:</p> <p>N1105.4.2 (R405.4.2) Compliance report. Compliance software tools shall generate a report that documents that the proposed design complies with Section N1105.3. A compliance report on the proposed design shall be submitted with the application for the building permit <u>for Class 1 structures as required by the General Administrative Rules 675 IAC 12 and as required by local ordinance for Class 2 structures.</u> Upon completion of the building, a compliance report based on the as-built condition of the building shall be submitted to the building official before a certificate of occupancy is issued. Batch sampling of buildings to determine energy code compliance shall only be allowed for stacked multiple-family units.</p>			
REASON STATEMENT AND FISCAL IMPACT			
<p>This proposal recognizes the Indiana rule for submittal of plans.</p> <p>Fiscal impact: This proposal is fiscally neutral since I have no idea how many, if any, jurisdictions require a draft energy report at the time of permit application. If the number of jurisdictions that do not require the draft report was known the impact would be a credit for the new rule when compared to the 2018 IRC.</p>			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY		
Received 10/11/2018	Code 2018 IRC	Proposal number # 308
Code title International Residential Code		Edition 2018
Section number and title Table N1105.5.2(1)		Page Number
Proponent Bill Kaufholz	Representing (if applicable) Fischer Homes	
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		
Modify Table N1105.5.2(1) as follows:		
Air exchange rate	<p>The air leakage rate at a pressure of 0.2 inch w.g. (50 Pa) shall be</p> <p>Climatic Zones 1 and 2: 5 air changes per hour. Climatic Zones 3 through 8: 3 air changes per hour.</p> <p>5 air changes per hour</p> <p>The mechanical ventilation rate shall be in addition to the air leakage rate and shall be the same as in the proposed design, but not greater than $0.01 \times CFA + 7.5 \times (N_{bc} + 1)$ where: CFA = conditioned floor area, ft. N_{bc} = number of bedrooms. Energy recovery shall not be assumed for mechanical ventilation.</p>	<p>The measured air exchange rate.</p> <p>The mechanical ventilation rate shall be in addition to the air leakage rate and shall be as proposed</p>
REASON STATEMENT AND FISCAL IMPACT		
Reason: Adjusts the table for the performance path software calculations to properly calculate the change from 3ACH in the base 2018 to 5ACH already by the committee.		
Fiscal impact: Zero. No fiscal impact.		
REVIEW RECOMMENDATION		
Approve Motion, Second, Approved as submitted.		
Reject		
Approve as amended		
Further study		



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FOR OFFICE USE ONLY			
Received 7/11/18	Code 2018 IRC	Proposal number # 159	
Code title: Indiana Residential Code			Edition 2020
Section number and title N1107.1 Scope			Page Number 1 of 1, Codebook, page 492
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
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 Section N1107.1 as follows:</p> <p>N1107.1 Scope. The provisions of Sections N1107 through N1111 shall control the alteration, repair, addition and change of occupancy of existing buildings and structures.</p>			
REASON STATEMENT AND FISCAL IMPACT			
<p>This proposal reflects the language in our current rule to remove repairs from the code.</p> <p>Fiscal impact: This proposal is fiscally neutral since this reflects the current rule.</p>			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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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	7/11/18	Code	2018 IRC
		Proposal number	#160
Code title: Indiana Residential Code			Edition 2019
Section number and title N1107.1.1 Additions, alterations, or repairs: General.			Page Number 1 of 1, Codebook page 492
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
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			
Change the title and text of Section N1107.1.1 as follows:			
N1107.1.1 Additions, <u>and</u> alterations, or repairs: General. Additions, <u>and</u> alterations, or repairs to an existing building, building system or portion thereof shall comply with Section N1108, N1109 or N1110. Unaltered portions of the existing building or building supply system shall not be required to comply with this chapter.			
REASON STATEMENT AND FISCAL IMPACT			
This proposal removes reference to repairs as in our current rule.			
Fiscal impact: This proposal is fiscally neutral since this reflects the current rule.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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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	7/11/18	Code	2018 IRC
		Proposal number	#161
Code title: Indiana Residential Code			Edition 2019
Section number and title N1107.3 Maintenance.			Page Number 1 of 1, Codebook page 492
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
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 Section N1107.3 as follows:</p> <p>N1107.3 Maintenance. Buildings and structures, and parts thereof, shall be maintained in a safe and sanitary condition. Devices and systems that are required by this code shall be maintained in conformance with the code edition under which installed. The owner or the owner's authorized agent shall be responsible for the maintenance of buildings and structures. The requirements of this chapter shall not provide the basis for removal or abrogation of energy conservation, fire protection and safety systems and devices in existing structures.</p>			
REASON STATEMENT AND FISCAL IMPACT			
This proposal removes reference to repairs as in our current rule.			
Fiscal impact: This proposal is fiscally neutral since this reflects the current rule.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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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	7/11/18	Code	2018 IRC
		Proposal number	# 162
Code title: Indiana Residential Code		Edition 2020	
Section number and title N1107.4 Compliance.		Page Number 1 of 1, Codebook page 493	
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725		Telephone number (260) 248-3111	
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 Section N1107.4 and replace as follows:			
N1107.4 Compliance. <u>Alterations, additions, changes in occupancy or relocation of existing buildings shall comply with this chapter and the General Administrative Rules, IAC 675-12.</u> <div style="text-align: right; color: blue;">675 IAC 12</div>			
REASON STATEMENT AND FISCAL IMPACT			
This proposal identifies the GAR as the rule for compliance in these situations.			
Fiscal impact: This proposal is fiscally neutral since this reflects the current rule.			
REVIEW RECOMMENDATION			
Approve			
Reject			
Approve as amended			
Motion, Second, Approved as amended			
Further study			



PROPOSAL FOR CODE CHANGE

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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 7/11/18	Code 2018 IRC	Proposal number #163	
Code title: Indiana Residential Code			Edition 2020
Section number and title N1107.5 New and replacement materials.			Page Number 1 of 1, Codebook, page 493
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
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			
N1107.5 (R501.5) New and replacement materials. Except as otherwise required or permitted by this code, materials permitted by the applicable code for new construction shall be used. Like materials shall be permitted for repairs, provided that hazards to life, health or property are not created. Hazardous materials shall not be used where the code for new construction would not allow their use in buildings of similar occupancy, purpose and location.			
REASON STATEMENT AND FISCAL IMPACT			
This proposal removes text relating to repairs since the Indiana rule does not address repairs.			
Fiscal impact: This proposal is fiscally.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY			
Received	7/11/18	Code	2018 IRC
		Proposal number	#164
Code title: Indiana Residential Code			Edition 2020
Section number and title N1107.6. Historic buildings			Page Number 1 of 1, Codebook, page 493
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
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"/> X Delete and substitute as follows <input type="checkbox"/> Delete without substitution			
<p>N1107.6 (R501.6) Historic buildings. Provisions of this chapter relating to the construction, repair, alteration, restoration and movement of structures, and change of occupancy shall not be mandatory for historic buildings provided that a report has been submitted to the building official and signed by the owner, a registered design professional, or a representative of the State Historic Preservation Office or the historic preservation authority having jurisdiction, demonstrating that compliance with that provision would threaten, degrade or destroy the historic form, fabric or function of the building. See General Administrative Rules 675 IAC 12.</p>			
REASON STATEMENT AND FISCAL IMPACT			
This proposal references the GAR for historical buildings.			
Fiscal impact: This proposal is fiscally neutral.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY			
Received	7/11/18	Code	2018 IRC
		Proposal number	#165
Code title		Edition	
Indiana Residential Code		2020	
Section number and title		Page Number	
M1201.1 Scope		1 of 1, Codebook page 495	
Proponent		Representing (if applicable)	
Craig Wagner		Indiana Association of Building Officials	
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	
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>The provisions of Chapters 12 through 24 shall regulate the design, installation, maintenance, alteration and inspection of mechanical systems that are permanently installed and used to control environmental conditions within buildings.</p>			
REASON STATEMENT AND FISCAL IMPACT			
This proposal removes maintenance from the scope of the code, Indiana rules do not cover maintenance.			
Fiscal impact: This proposal is fiscally neutral since it reflects the requirement of our current rule.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY			
Received	7/11/18	Code	2018 IRC
		Proposal number	# 166
Code title Indiana Residential Code			Edition 2020
Section number and title M1201.2 Application			Page Number 1 of 1, Codebook page 495
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
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>M1201.2 Application. In addition to the general administrative requirements of Chapter 1, the administrative provisions of this chapter shall apply to the mechanical requirements of Chapters 13 through 24.</p>			
REASON STATEMENT AND FISCAL IMPACT			
This proposal deletes the section since the administrative provisions for the Indiana Residential Code are contained in Chapter 1.			
Fiscal impact: This proposal is fiscally neutral since it reflects the requirement of our current rule.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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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 7/11/18	Code 2018 IRC	Proposal number #168
Code title International Residential Code		Edition 2018
Section number and title M1202 Existing Mechanical Systems		Page Number 495
Proponent Phil Gettum	Representing (if applicable) Gettum Associates	
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 checked="" type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution		
Delete SECTION M1202 and substitute to read as follows: <u>For existing installations see Chapter 1 and the General Administrative Rules (675 IAC 12).</u>		
REASON STATEMENT AND FISCAL IMPACT		
Per the 2005 Indiana Residential Code - No fiscal impact.		
REVIEW RECOMMENDATION		
Approve		
Reject		
Approve as amended Motion, Second, Approved as amended		
Further study		



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Received 8/15/2018	Code 2018 IRC	Proposal number #169
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Code title International Residential Code		Edition 2018
Section number and title M1301.2 Identification		Page number
Proponent Phil Gettum	Representing (if applicable) 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

M1301.2 Identification

Each ^{uncut} length of pipe and tubing and each pipe fitting utilized in a mechanical system shall bear the identification of the manufacturer.

Add "each" between the words "each" and "length"

REASON STATEMENT AND FISCAL IMPACT

For piping already labeled at x feet, there would be wasted materials when less than a full piece is used because you'd be limited to using the labeled section of another full piece.

fiscal impact is neutral

REVIEW RECOMMENDATION

Approve
Reject
Approve as amended <i>Motion, Second, Approved as amended</i>
Further study



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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	8/7/2018	Code	2018 IRC
		Proposal number	# 170
Code title Indiana Residential Code			Edition 2020
Section number and title M1302 Approval			Page Number 1 of 1, Codebook page 497
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number 260-248-3111, cell 260-212-2943
PROPOSED CODE CHANGE (check one)			
<input checked="" type="checkbox"/> X 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			
M1302.1 Listed and Labeled. Appliances regulated by this code shall be listed and labeled for the application in which they are installed and used, unless otherwise approved in accordance with Section R104.11 <u>R106.1</u> .			
REASON STATEMENT AND FISCAL IMPACT			
This proposal sends the code user to Indiana Amendment R106.1 for approval of alternate materials, methods and equipment.			
Fiscal impact: This proposal is fiscally neutral.			
REVIEW RECOMMENDATION			
Approve	Motion, second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY		
Received	8/15/2018	Code 2018 IRC
		Proposal number #171

Code title International Residential Code		Edition 2018
Section number and title M1305.1 Appliance access for inspection service, repair and replacement		Page number
Proponent Phil Gettum	Representing (if applicable) 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

M1305.1 Appliance access for inspection service, repair and replacement

Appliances shall be accessible for inspection, service, repair and replacement without removing permanent construction; ~~other appliances, or any other piping or ducts not connected to the appliance being inspected, serviced, repaired or replaced.~~ A level working space not less than 30 inches deep and 30 inches wide (762 mm by 762 mm) shall be provided in front of the control side to service an appliance.

Amendment: only strike words "other appliances" from proposed amendment to section.

REASON STATEMENT AND FISCAL IMPACT

This amendment allows for repairs of appliances in close proximity to one another.

Fiscal impact is neutral

REVIEW RECOMMENDATION

Approve

Reject

Approve as amended

Motion, Second, Approved as amended.

Further study



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FOR OFFICE USE ONLY		
Received 8/15/2018	Code 2018 IRC	Proposal number # 172
Code title International Residential Code		Edition 2018
Section number and title M1305.1.3.1 Ground clearance		Page Number
Proponent Hank Kidwell	Representing (if applicable) RJ Builders	
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		
M1305.1.3.1 Ground clearance <i>Equipment and appliances supported from the ground shall be level and firmly supported on a concrete slab or other approved material extending not less than 3 inches (76 mm) above the adjoining ground not less than 1 1/2 2 inches above the finished grade.</i> Such support shall be in accordance with the manufacturer's installation instructions. <i>Appliances</i> suspended from the floor shall have a clearance of not less than 6 inches (152 mm) from the ground.		
REASON STATEMENT AND FISCAL IMPACT		
Reason: Per Indiana Amendment to the 2005 Indiana Residential Code, Section M1308.		
Fiscal impact: FE 379 , Approximately \$ 380,000 savings		
REVIEW RECOMMENDATION		
Approve		
Reject		
Approve as amended Motion, second, Approved as amended		
Further study		



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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	Code	Proposal number
10/10/18	2018 IRC	# 309

Code title Indiana Residential Code (International Residential Code)		Edition 2020 (2018)
Section number and title M1307.3.1 Protection from impact		Page number 499
Proponent Randy Gulley	Representing (if applicable) Wayne Township Fire Department	
Address (number and street, city, state, and ZIP code) 700 North High School Road		Telephone number (317) 246-6216

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
See attached page for proposal in it's entirety.			

REASON STATEMENT AND FISCAL IMPACT
Estimated ⁵ 10 percent of new homes where the building appliances are located within the vehicle travel path and need protection. 1,460 new homes x average price of protection is \$80.00 equals a \$116,800.00 fiscal impact. 730 \$58,400.00

REVIEW RECOMMENDATION
Approve Motion, Second, Approved as submitted.
Reject
Approve as amended
Further study

Indiana Residential Code 2018
Section 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 8inch by 8inch by 1/4inch base plate anchored to the garage floor slab using 1/2inch wedge anchors or equivalent with a minimum embedment of 2-1/4inch. Height of bollard to be at least 24 inches above garage floor with pipe cap; or**
- (5) Install a minimum 72" long x 6" wide x 4" high bumper curb that is anchored to the concrete floor.**



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FOR OFFICE USE ONLY			
Received	8/15/2018	Code	2018 IRC
		Proposal number	# 175
Code title		Edition	
International Residential Code		2018	
Section number and title		Page Number	
M1411.3.1 Auxiliary and secondary drain systems			
Proponent		Representing (if applicable)	
Hank Kidwell		RJ Builders	
Address (number and street, city, state, and ZIP code)		Telephone number	
PROPOSED CODE CHANGE (check one)			
<p>Change to read as follows <input type="checkbox"/> <u>X</u> Add to read as follows <input checked="" type="checkbox"/> Delete and substitute as follows <input type="checkbox"/> Delete without substitution <input type="checkbox"/></p> <p><u>Item # 5</u> Add an exception to the end of item 4 in Section M1411.3.1 to read as follows: <u>Item # 5:</u> Exception: When installed on a water-resistant floor <u>sloped to</u> with a floor drain in the same room or space.</p>			
REASON STATEMENT AND FISCAL IMPACT			
Reason:			
Per Indiana Amendment to the 2005 Indiana Residential Code, Section M1411.3.1			
Fiscal impact: <u>Neutral</u>			
REVIEW RECOMMENDATION			
Approve			
Reject			
Approve as amended			
<u>Motion, Second, Approved as amended</u>			
Further study			



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FOR OFFICE USE ONLY			
Received	8/7/2018	Code	2018 IRC
		Proposal number	# 178
Code title		Edition	
Indiana Residential Code		2020	
Section number and title		Page Number	
M1502.4.2 Duct installation		1 of 1, codebook page 509	
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 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			
Change M1502.4.2 Duct Installation as follows:			
M1502.4.2 Duct installation. Exhaust ducts shall be supported at intervals not to exceed 12 feet (3658 mm) and shall be secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Exhaust duct joints shall be sealed in accordance with Section M1601.4.1 and shall be mechanically fastened <u>mechanically or by other approved methods</u> . Ducts shall not be joined with screws or similar fasteners that protrude more than 1/8 inch (3.2 mm) into the inside of the duct. Where dryer exhaust ducts are enclosed in wall or ceiling cavities, such cavities shall allow the installation of the duct without deformation.			
REASON STATEMENT AND FISCAL IMPACT			
This proposal allows other methods other than just screws to fasten clothes dryer ducts together.			
Fiscal impact: no fiscal impact.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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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	8/7/2018	Code	2018 IRC
		Proposal number	# 179
Code title		Edition	
Indiana Residential Code		2020	
Section number and title		Page Number	
M1601.1.2 Underground duct systems		1 of 1, Codebook page 513	
Proponent		Representing (if applicable)	
Craig Wagner		Indiana Association of Building Officials	
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 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>M1601.1.2 Underground duct systems.</p> <p>Underground <i>duct systems</i> shall be constructed of <i>approved</i> concrete, clay, metal or plastic. The maximum design temperature for systems utilizing plastic duct and fittings shall be 150°F (66°C). Metal ducts shall be protected from corrosion in an <i>approved</i> manner or shall be completely encased in concrete not less than 2 inches (51 mm) thick. Nonmetallic ducts shall be installed in accordance with the manufacturer's instructions. Plastic pipe and fitting materials shall conform to cell classification 12454-B of ASTM D1248 or ASTM D1784 and external loading properties of ASTM D2412. Ducts shall slope to a drainage point that has access. Ducts shall be sealed <u>according to the manufacturer's installation instructions or Section M1601.4</u> secured and tested prior to encasing the ducts in concrete or direct burial. Duct tightness shall be verified as required by Section N1103.3. Metallic ducts having an <i>approved</i> protective coating and nonmetallic ducts shall be installed in accordance with the manufacturer's instructions.</p>			
REASON STATEMENT AND FISCAL IMPACT			
<p>This proposal removes requirements for testing of underground duct systems. Duct joints are inspected for correct sealing by inspectors before burial and a requirement for testing would be extremely difficult and offer little in the way of enhanced energy conservation.</p> <p>Fiscal impact: This proposal will reduce the cost of construction in comparison to the 2018 IRC since testing of the underground duct system will not be required. Assuming one third of the houses are slab or partial slab type foundations then $14,068 \div 3 = 4689$, $4689 \times 150.00 = \\$703,350.00$ credit from the 2018 IRC.</p>			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY			
Received	8/7/2018	Code	2018 IRC
		Proposal number	# 180
Code title Indiana Residential Code			Edition 2020
Section number and title M1601.4.5 Fireblocking			Page Number 1 of 1, Codebook page 515
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number 260-248-3111, cell 260-212-2943
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			
M1601.4.5 Fireblocking. Duct installations shall be fireblocked in accordance with Section R602.8 <u>R302.11</u> .			
REASON STATEMENT AND FISCAL IMPACT			
This proposal sends the code user to the correct section for fireblocking.			
Fiscal impact: This proposal is fiscally neutral.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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INSTRUCTIONS:

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2. ~~Dashed line through material to be deleted.~~ Underline or bold face material to be added.
3. Use a second sheet for any material requiring more space.
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	8/7/2018	Code	2018 IRC
		Proposal number	# 181
Code title		Edition	
Indiana Residential Code		2020	
Section number and title		Page Number	
M1602.2 Return air		1 of 1, Codebook page 516	
Proponent		Representing (if applicable)	
Craig Wagner		Indiana Association of Building Officials	
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 Item #6 to Section M1602 and renumber Item #7 as Item #6 as follows:			
M1602.2 Return air openings.			
6. Taking return air from an unconditioned crawl space shall not be accomplished through a direct connection to the return side of a forced-air furnace. Transfer openings in the crawl space enclosure shall not be prohibited.			
7. 6. Return air from one dwelling unit shall not be discharged into another dwelling unit.			
REASON STATEMENT AND FISCAL IMPACT			
Builders have long been concerned with the potential odors from crawl spaces; allowing return air to be drawn from the unconditioned crawl space provides a direct path for potential odors into the living space of the dwelling.			
Fiscal impact: This proposal is fiscally neutral.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted.		
Reject			
Approve as amended			
Further study			

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PROPOSAL FOR CODE CHANGE

State Form 41186 (R3 / 5-10)

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402 West Washington Street, Room W246, Indianapolis, Indiana 46204.



FOR OFFICE USE ONLY			
Received 8/7/2018	Code 2018 IRC	Proposal number # 182	
Code title Indiana Residential Code		Edition 2020	
Section number and title M1801.9 Fireblocking		Page Number 1 of 1, codebook page 519	
Proponent Craig Wagner	Representing (if applicable) IABO		
Address (number and street, city, state, and ZIP code) 220 W Van Buren Street, Ste 204, Columbia City, IN 46725		Telephone number 260-248-3111, Cell 260-212-2943	
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			
Change M1801.9 as follows: M1801.9 Fireblocking. Vent and chimney installations shall be fireblocked in accordance with Section R602.8 <u>R302.11 and R1003.19.</u>			
REASON STATEMENT AND FISCAL IMPACT			
This proposal sends the code user to the correct sections for fireblocking. Fiscal impact: no fiscal impact			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



PROPOSAL FOR CODE CHANGE

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FOR OFFICE USE ONLY			
Received	9/9/2018	Code	2018 IRC
		Proposal number	# 198
Code title Indiana Residential Code			Edition 2020
Section number and title M2001.1.2 Regulated boilers			Page Number 1 of 1, Codebook page 525
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number 260-248-3111, cell 260-212-2943
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 Section M2001.1.2 to read as follows: <u>M2001.1.2 Regulated boilers. Boilers and water heaters regulated by the Boiler and Pressure Vessel Rules Board (680 IAC 2) under IC 22-13-2-9 are not regulated by this code.</u>			
REASON STATEMENT AND FISCAL IMPACT			
This section clarifies which boilers are regulated by this code.			
Fiscal impact: This proposal is fiscally neutral since it reflects the requirement of our current rule.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



PROPOSAL FOR CODE CHANGE

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FOR OFFICE USE ONLY			
Received	9/9/2018	Code	2018 IRC
		Proposal number	# 199
Code title		Edition	
Indiana Residential Code		2020	
Section number and title		Page Number	
M2201.3 Underground tanks		1 of 1, Codebook page 533	
Proponent		Representing (if applicable)	
Craig Wagner		Indiana Association of Building Officials	
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	
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"/> X Delete and substitute as follows <input type="checkbox"/> Delete without substitution			
<p>Delete M2201.3 and substitute as follows: M2201.3 Underground tanks. Excavations for underground tanks shall not undermine the foundations of existing structures. Underground tanks shall be set on firm foundations and surrounded with at least 6 inches (152.4 mm) of noncorrosive inert material, such as clean sand or gravel well tamped in place or in accordance with the manufacturer's installation instructions. Tanks shall be covered with a minimum of 2 feet (609.6 mm) of earth or shall be covered by not less than 1 foot (304.8 mm) of earth, on top of which shall be placed a slab of reinforced concrete not less than 4 inches (101.6 mm) thick. When underground tanks are, or are likely to be, subjected to traffic, they shall be protected against damage from vehicles passing over them by at least 3 feet (914.4 mm) of earth cover, or 18 inches (457.2 mm) of well-tamped earth plus 6 inches (152.4 mm) of reinforced concrete, or 8 inches (203.2 mm) of asphaltic concrete. When asphaltic or reinforced concrete paving is used as part of the protection, it shall extend at least 1 foot (304.8 mm) horizontally beyond the outline of the tank in all directions. The clearance from the tank to the nearest wall of a basement, pit, or property line shall not be less than 1 foot (305 mm). Corrosion protection shall be provided in accordance with SECTION M2203.7.</p>			
REASON STATEMENT AND FISCAL IMPACT			
This section reflects other Indiana rules that affect underground tanks.			
Fiscal impact: This proposal is fiscally neutral since it reflects the requirement of our current rule.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			



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FOR OFFICE USE ONLY			
Received	9 / 9 / 2018	Code	2018 IRC
		Proposal number	# 200
Code title Indiana Residential Code			Edition 2020
Section number and title M2301.1 General			Page Number 1 of 1, Codebook page 535
Proponent Craig Wagner		Representing (if applicable) Indiana Association of Building Officials	
Address (number and street, city, state, and ZIP code) 220 W Van Buren St, Ste 204, Columbia City, IN 46725			Telephone number (260) 248-3111
PROPOSED CODE CHANGE (check one)			
<input type="checkbox"/> X 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			
Change Section M2301.1 as follows: M2301.1 General. This section provides for the design, construction, installation, <u>and alteration, and repair</u> of equipment and systems using solar thermal energy to provide space heating or cooling, hot water and swimming pool heating.			
REASON STATEMENT AND FISCAL IMPACT			
This section removes repair from the text.			
Fiscal impact: This proposal is fiscally neutral since it reflects the requirement of our current rule.			
REVIEW RECOMMENDATION			
Approve	Motion, Second, Approved as submitted		
Reject			
Approve as amended			
Further study			