



**PROPOSAL FOR CODE CHANGE**  
State Form 41186 (R2 / 1-92)

RETURN TO: INDIANA DEPARTMENT OF  
FIRE AND BUILDING SERVICES  
402 W. Washington St., Rm 246  
Indianapolis, IN 46204

FOR OFFICE USE ONLY	
Item number:	
Change number:	

INSTRUCTIONS: Only TYPED copy accepted.  
KEY: ~~Dashed line through material to be deleted~~; underline or **bold face** material to be added.  
Use second sheet for any material requiring more space.

Code title: <b>Indiana Residential Code</b>		Edition: <b>2009</b>
Section number and title: <b>Table R301.2(1), Climatic and Geographical Design Criteria</b>		Sheet: <b>1 of 2</b>
Proponent: <b>Craig Wagner/IABO</b>	Title: <b>Code Committee Member</b>	

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**PROPOSED CODE CHANGE (check one)**

Change to read as follows.    Add to read as follows.     Delete and substitute as follows.    Delete without substitution.

- Delete 2009 IRC Table R301.2(1) and bring forward TABLE R301.2(1) from the 2005 InRC with the following changes:
- Change the title of the third column from ~~Wind Speed (MPH)~~ to Wind Speed (MPH)/Topographical Effects and add a footnote designation <sup>5</sup>
  - Add a footnote to read: <sup>5</sup>Topographical effects shall be determined on a site-specific basis in accordance with SECTION R301.2.1.5.
  - In the seismic zone column change the counties of Dekalb, Huntington and Porter from ~~B~~ to A
  - In the seismic zone column change the county of Monroe from ~~E~~ to B
  - In the seismic zone column change the counties of Daviess and Sullivan from ~~E<sub>+</sub>~~ to C
  - In the seismic zone column change the counties of Gibson, Knox, Pike, Posey, Spencer, Vanderburgh and Warrick from ~~E<sub>+</sub>~~ to D<sub>O</sub>
  - In the ground snow column change the counties of Crawford, Dubois, Floyd, Gibson, Harrison, Perry, Pike, Posey, Spencer, Vanderburgh and Warrick from ~~20~~ to 15
  - In the ground snow column change the counties of Dekalb, Fulton, Noble and Steuben from ~~30~~ to 20
  - In the ground snow column change the counties of Kosciusko, LaGrange, Marshall and Pulaski from ~~30~~ to 25

**REASON**

This proposal adds "topographical effects" to the wind speed column and a new footnote references the text in the code in a similar manner to the way we currently address "exposure". The proposal also recognizes that seismic requirements for certain counties are reduced by the 2009 IRC and adds a new IRC designation D<sub>O</sub> that replaces, and is similar to, the current InRC designation of C<sub>1</sub>. The values in the ground snow column have been adjusted to reflect the actual map values with the exception that the CS area has been given a 30 lb/ft<sup>2</sup> value. The 30 lb/ft<sup>2</sup> value was used to address past requests for a numerical value in this area instead of requiring a case study which would be very difficult and expensive for each residential construction project. The 25 lb/ft<sup>2</sup> and 15 lb/ft<sup>2</sup> areas that are shown on the map have been referenced in the ground snow column because even though the IRC text, and tables, do not show 25 lb/ft<sup>2</sup> and 15 lb/ft<sup>2</sup>

values there can be advantages to owners when engineered roof components are designed for a structure.

**Fiscal impact:** While the topographical effects addition may add some cost in a very small number of locations, the reductions in the seismic values and the adjustment of the ground snow load will produce an overall decrease in costs to construction.

REVIEW RECOMMENDATION
Approve
Disapprove
Approve as amended
Further study