

1 **NOTICE OF RULE MAKING PROCEEDINGS AND PUBLIC HEARING**

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3 **NORTH CAROLINA BUILDING CODE COUNCIL**

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5 **Notice of Rule-making Proceedings** *is hereby given by NC Building Code Council in accordance with*
6 *G.S. 150B-21.1, Temporary Rules.*

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8 **Citation to Existing Rule Affected by this Rule-Making:** *North Carolina Mechanical and Residential*
9 *Codes.*

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11 **Authority for Rule-making:** *G.S. 143-136; 143-138.*

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13 **Reason for Proposed Action:** *To incorporate changes in the NC State Building Codes as a result of*
14 *rulemaking petitions filed with the NC Building Code Council and to incorporate changes proposed by the*
15 *Council.*

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17 **Public Hearing:** *August 28, 2012, 10:00AM, NC Department of Insurance, 322 Chapanoke Road,*
18 *Classroom Downstairs, Raleigh, NC 27603. Comments on both the proposed rule and any fiscal impact*
19 *will be accepted.*

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21 **Comment Procedures:** *Written comments may be sent to Chris Noles, Secretary, NC Building Code*
22 *Council, NC Department of Insurance, 322 Chapanoke Road, Suite 200, Raleigh, NC 27603. Comments on*
23 *both the proposed rule and any fiscal impact will be accepted. Comment period expires on August 31,*
24 *2012. Adoption of these Temporary Rules will take place on September 10, 2012.*

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26 **Statement of Subject Matter:**

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29 **1. Request by David Smith, NC BCC, to amend the 2012 NC Residential Code, Section R602.10. The**
30 **proposed amendment is as follows:**

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32 **R602.10 Wall bracing.** Buildings shall be braced in accordance with this section. Where a building, or
33 portion thereof, does not comply with one or more of the bracing requirements in this section, those
34 portions shall be designed and constructed in accordance with Section R301.1.

35
36 **Exceptions:**

1 1. Detached one- and two-family *dwellings* located in Seismic Design Category C are exempt from the
 2 seismic bracing requirements of this section. Wind speed provisions for bracing shall be applicable to
 3 detached one- and two-family *dwellings*.

4 2. In lieu of the wall bracing requirements of Section 602.10, all stories shall be sheathed with wood
 5 structural sheathing panels. Blocking shall be installed if less than 50 percent of the wall length is sheathed.
 6 Where blocking is required, all panels shall be fastened at 3 inches (76 mm) on center along the edges and
 7 6 inches (152 mm) on center at intermediate framing. If a wall is sheathed less than 25 percent of its length,
 8 then that wall shall be designed in accordance with approved engineering practice.

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 10 Motion for temporary and permanent rules – David Smith/Second – Mack Nixon/Granted – The request
 11 was granted unanimously.

12 Reason Given – The proposal provides a simple alternate method for constructing adequate wall bracing to
 13 reduce plan review time and to minimize the need for design by registered design professionals. The
 14 proposed effective date of this temporary rule is October 1, 2012.

15 Fiscal Statement – This rule is anticipated to provide equivalent compliance with no net decrease/increase
 16 in cost. This rule is not expected to either have a substantial economic impact or affect local and state
 17 funds. A fiscal note has not been prepared.

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20 **2. Request by David Smith, NC BCC, to amend the 2012 NC Mechanical Code, Table 603.4. The**
 21 **proposed amendment is as follows:**

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23 **TABLE 603.4**

24 **DUCT CONSTRUCTION MINIMUM SHEET METAL THICKNESS FOR SINGLE**

25 **DWELLING UNITS**

DUCT SIZE	GALVANIZED		Appropriate Aluminum B & S Gage ALUMINUM MINIMUM THICKNESS (in.)
	Minimum thickness (in.)	Equivalent galvanized gage no.	
Round ducts and Enclosed rectangular ducts			
14 inches or less	<u>0.013</u> 0.0157	<u>30</u> 28	<u>26</u> 0.0175
16 and 18 inches	<u>0.016</u> 0.0187	<u>28</u> 26	<u>24</u> 0.018
Over 14 inches			
20 inches and over	0.0236	24	0.023
Exposed rectangular			

ducts			
14 inches or less	<u>0.016</u> 0.0157	28	<u>24</u> 0.0175
Over 14 inches*	<u>0.019</u> 0.0187	26	<u>22</u> 0.018

1 For SI: 1 inch = 25.4 mm, ~~1 inch water gage = 249 Pa.~~

2 a. ~~For duct gages and reinforcement requirements at static pressure of 1/2 inch, 1 inch and 2 inch w.g.,~~
3 ~~SMACNA HVAC Duct Construction Standards, Tables 2-1, 2-2, and 2-3, shall apply.~~

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5 Motion for temporary and permanent rules – Ralph Euchner/Second – Mack Nixon/Granted – The request
6 was granted unanimously.

7 Reason Given – The proposal reduces the material thickness to match industry standards. The proposed
8 effective date of this rule is October 1, 2012.

9 Fiscal Statement – This rule is anticipated to provide a negligible decrease in cost. This rule is not
10 expected to either have a substantial economic impact or affect local and state funds. A fiscal note has not
11 been prepared.

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