



STATE OF WASHINGTON  
**STATE BUILDING CODE COUNCIL**

May 2018  
Log No. \_\_\_\_\_

**1. State Building Code to be Amended:**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> International Building Code | <input type="checkbox"/> International Mechanical Code        |
| <input type="checkbox"/> ICC ANSI A117.1 Accessibility Code     | <input type="checkbox"/> International Fuel Gas Code          |
| <input type="checkbox"/> International Existing Building Code   | <input type="checkbox"/> NFPA 54 National Fuel Gas Code       |
| <input type="checkbox"/> International Residential Code         | <input type="checkbox"/> NFPA 58 Liquefied Petroleum Gas Code |
| <input type="checkbox"/> International Fire Code                | <input type="checkbox"/> Wildland Urban Interface Code        |
| <input type="checkbox"/> Uniform Plumbing Code                  |   |

For the Washington State Energy Code, please see specialized [energy code forms](#)

**Section(s):** Section: 2308.6  
(e.g.: Section: R403.2)

**Title:** Cutting, notching and boring of dimensional wood framing  
(e.g: Footings for wood foundations)

**2. Proponent Name (Specific local government, organization or individual):**

**Proponent:** Washington Association of Building Officials Technical Code Development Committee  
(Micah Chappell, chair; Jonathan Siu, technical consultant)

**Title:**

**Date:** September 10, 2024

**3. Designated Contact Person:**

**Name:** Julius Carreon PE SE

**Title:** Structural Engineer/ City of Bellevue

**Address:** 450 110th Ave NE, Bellevue, WA 98004

**Office Phone:** ( 425 )452-4197

**Cell:** ( )

**E-Mail address:** jcarreon@bellevuewa.gov

4. **Proposed Code Amendment.** Reproduce the section to be amended by underlining all added language, striking through all deleted language. Insert new sections in the appropriate place in the code in order to continue the established numbering system of the code. If more than one section is proposed for amendment or more than one page is needed for reproducing the affected section of the code, additional pages may be attached.

Clearly state if the proposal modifies an existing amendment or if a new amendment is needed. If the proposal modifies an **existing amendment**, show the modifications to the existing amendment by underlining all added language and striking through all deleted language. If a new amendment is needed, show the modifications to the **model code** by underlining all added language and striking through all deleted language.

**Code(s)** IBC      **Section(s)** 2308.6

Enforceable code language must be used.

Amend section to read as follows:

Modify existing amendment as follow:

**2308.6.1 Floor joists, roof rafters, and ceiling joists.** Notches on framing ends shall not exceed one-fourth the member depth. Notches in the top or bottom of the member shall not exceed one-sixth the depth and shall not be located in the middle third of the span. A notch not more than one-third of the depth is permitted in the top of a rafter or ceiling joist not further from the face of the support than the depth of the member. Holes bored in members shall not be within 2 inches (51 mm) of the top or bottom of the member and the diameter of any such hole shall not exceed one-third the depth of the member. Where the member is notched or bored, the notch or hole shall not be closer than 2 inches (51 mm) to ~~the~~ another notch or bore.

**2308.6.3 Bored holes.** The diameter of bored holes in wood studs shall not exceed 40 percent of the stud depth. The diameter of bored holes in wood studs shall not exceed 60 percent of the stud depth in nonbearing partitions. The diameter of bored holes in wood studs shall not exceed 60 percent of the stud depth in any wall where each stud is doubled, provided that not more than two such successive doubled studs are so bored. The edge of the bored hole shall not be closer than 1/4 inch (15.9 mm) to the edge of the stud. Bored holes shall not be located at within two inches of the same section of stud as a cut or notch.

5. **Briefly explain your proposed amendment, including the purpose, benefits and problems addressed.** Specifically note any impacts or benefits to business, and specify construction types, industries and services that would be affected. Finally, please note any potential impact on enforcement such as special reporting requirements or additional inspections required.

This code change proposal is intended to correct the editorial inconsistencies in the reorganized code provisions for cutting, notching and boring of dimensional wood framing in the 2024 edition of the International Building Code.

The code provisions for cutting, notching and boring of dimensional wood framing have been reorganized and consolidated into a single location, Section 2308.6 (Conventional Construction), through code change proposal S224-22. The original proponent, Building Code Action Committee (BCAC) (bcac@iccsafe.org) submitted a Public Comment that included the above editorial changes and proposed relocating the provisions to Section 2304 (General Construction Requirements) during the Public Comment Hearing (PCH) process. However, this was disapproved primarily because the voters preferred to retain these provisions within the conventional construction section (Section 2308). We believe the state should adopt these editorial changes as they enhance the clarity of the requirements.

6. Specify what criteria this proposal meets. You may select more than one.

- The amendment is needed to address a critical life/safety need.
- The amendment clarifies the intent or application of the code.
- The amendment is needed to address a specific state policy or statute.
- The amendment is needed for consistency with state or federal regulations.
- The amendment is needed to address a unique character of the state.
- The amendment corrects errors and omissions.

7. Is there an economic impact:  Yes  No

If no, state reason:

This proposal clarifies the intent of the code and does not result in any economic impact.

If yes, provide economic impact, costs and benefits as noted below in items a – f.

- a. **Life Cycle Cost.** Use the OFM Life Cycle Cost [Analysis tool](#) to estimate the life cycle cost of the proposal using one or more typical examples. Reference these [Instructions](#); use these [Inputs](#). Webinars on the tool can be found [Here](#) and [Here](#)). If the tool is used, submit a copy of the excel file with your proposal submission. If preferred, you may submit an alternate life cycle cost analysis.
- b. **Construction Cost.** Provide your best estimate of the construction cost (or cost savings) of your code change proposal.  
  
\$[Click here to enter text.](#)/square foot  
  
(For residential projects, also provide \$[Click here to enter text.](#)/ dwelling unit)  
  
Show calculations here, and list sources for costs/savings, or attach backup data pages
- c. **Code Enforcement.** List any code enforcement time for additional plan review or inspections that your proposal will require, in hours per permit application:
- d. **Small Business Impact.** Describe economic impacts to small businesses:
- e. **Housing Affordability.** Describe economic impacts on housing affordability:
- f. **Other.** Describe other qualitative cost and benefits to owners, to occupants, to the public, to the environment, and to other stakeholders that have not yet been discussed:

Please send your completed proposal to: [sbcc@des.wa.gov](mailto:sbcc@des.wa.gov)

**All questions must be answered to be considered complete. Incomplete proposals will not be accepted.**