

**WASHINGTON STATE BUILDING CODE COUNCIL
APPLICATION FOR REVIEW OF A PROPOSED STATEWIDE AMENDMENT
TO THE WASHINGTON STATE BUILDING CODE**

2012 Code Adoption Cycle

Log # _____
(office use only)

PLEASE FOLLOW INSTRUCTIONS ON PAGE FIVE

1. State Building Code to be Amended:

- | | |
|--|---|
| <input type="checkbox"/> International Building Code | <input type="checkbox"/> State Energy Code |
| <input checked="" type="checkbox"/> International Residential 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 Fire Code | <input type="checkbox"/> NFPA 54 National Fuel Gas Code |
| <input type="checkbox"/> Uniform Plumbing Code | <input type="checkbox"/> NFPA 58 Liquefied Petroleum Gas Code |

Section Table R302.1(1)

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

Washington Association of Building Officials Technical Code Development Committee

3. Signed:

<hr/>	Vice Chair	February 28, 2012
Proponent	Title	Date

4. Designated Contact Person:

Maureen Traxler	
Name	Title

Address: 700 5th Ave, #2000
P.O. Box 34109
Seattle , WA 98124-4019

Office Phone: (206)233-3892 **Cell:**(____)_____ **Fax:** ()_____

E-Mail address: maureen.traxler@seattle.gov

5. Proposed Code Amendment. Use ‘legislative format’ including both old and new language. **See instructions on page five for specific details.** Please use a separate sheet for each separate proposal.

Code IRC Section Table R302.1(1) Page 48

Amend section to read as follows:

**TABLE R302.1(1)
EXTERIOR WALLS**

EXTERIOR WALL ELEMENT		MINIMUM FIRE-RESISTANCE RATING	MINIMUM FIRE SEPARATION DISTANCE
Walls	Fire-resistance rated	1 hour—tested in accordance with ASTM E 119 or UL 263 with exposure from both sides	< 5 feet
	Not fire-resistance rated	0 hours	≥ 5 feet
Projections	Fire-resistance rated	1 hour on the underside	≥ 2 feet to < 5 feet
	Not fire-resistance rated	0 hours	≥ 5 feet
Openings in walls	Not allowed	N/A	< 3 feet
	25% maximum of wall area <u>per story</u>	0 hours	3 feet
	Unlimited	0 hours	5 feet
Penetrations	All	Comply with Section R302.4	< 5 feet
		None required	5 feet

For SI: 1 foot = 304.8 mm.

N/A = Not Applicable.

Are additional pages attached? No

Please note number of additional pages:

Supporting Data for Statewide Amendment Proposals. This information is required for all statewide amendment proposals. **Attach supporting documentation, as necessary; incomplete proposals will not be accepted.**

The SBCC requires supporting data on any amendment proposal to show:

1. That it meets basic criteria – See Part I to specify how this proposal meets the criteria for code amendment.
2. The intended effect—See Part II to describe the purpose of the proposed amendment, including the benefits and the problems addressed.
3. The potential impacts or benefits to business—See Part III/Types of Construction, to explain how methods in construction businesses, industries and services would be affected.
4. The potential impact on enforcement procedures, See Part III/Types of Services Required, to provide some analysis of the impacts on code enforcement in local jurisdictions.
5. Economic costs and benefits – Use the Table in Part IV of this form to estimate the costs and benefits of the proposal on construction practices, users and/or the public, the enforcement community, and operation and maintenance.

Part I ♦ Background information on amendment.

Code References: Section R302

Title: Fire-resistant Construction

Related codes: IBC _____ (Does this amendment change other related codes?) No

Proponent: Seattle Dept of Construction & Land Use Phone: 206-233-3892 _____ Date: _____

NOTE: State-wide and emergency state-wide amendments to the state building code must be based on one of the following criteria; please indicate the pertinent rationale for the proposed amendment by selecting from the list below:

- (1) The amendment is needed to address a critical life/safety need.
- (2) The amendment is needed to address a specific state policy or statute.
- (3) The amendment is needed for consistency with state or federal regulations.
- (4) The amendment is needed to address a unique character of the state.
- (5) The amendment corrects errors and omissions.

Part II ♦ Amendment Benefit:

PROBLEM(S) ADDRESSED (Describe the intended effect of the proposed code amendment):

The IRC is silent on how to calculate the percentage of openings allowed in exterior walls. The limitation could be calculated either as a percentage of the area of the entire exterior wall, or as a percentage of each story. This proposal requires that openings in exterior walls be calculated for each story. This method is consistent with IBC Section 705.8.1. As an example of the hazard of not using the proposed interpretation, if the area of openings was allowed to be calculated based on the entire face of the wall, on a 3-story building the first story of a building 3 feet from a property line could be 75% openings if there were no openings in the other 2 stories.

PRIMARY REASON FOR AMENDMENT: (Describe how the amendment meets one of the criteria listed above)

It corrects the omission of the proper method of calculating the area of openings allowed in exterior walls.

TYPE OF BENEFITS PROJECTED:

The amendment makes it easier for building designers to know the code will be interpreted by jurisdictions, and will reduce the number of questions for jurisdiction personnel.

Part III ♦ Amendment Impacts or Benefits:

TYPES OF CONSTRUCTION: ☒ New Construction ☐ Alteration/Tenant Improvement/Repair
☒ Residential-Single Family ☐ Residential-Multi Family ☐ Commercial ☐ Industrial

List businesses/industries affected by amendment:

Manufacturers: _____
Specific Construction Contractors & Trades: _____

Construction Supply Industry: _____
 Specialty Trades: _____
 Types of Buildings: _____
 Fire Protection Industry: _____

TYPES OF SERVICES REQUIRED:

☐ **Reporting.** Brief Description _____

☐ **Record Keeping.** Brief Description _____

☐ **Other.** Brief Description _____

☐ **Indirect Cost to Industry.** Indicate whether there are multiple sources to obtain the equipment, material or service required by this proposal. If not, provide a justification of the benefit versus small business impact.

Part IV ♦ Amendment Costs and Benefits

Building Type	Construction ¹			Enforcement ²			Operations & Maintenance ³		
	Costs	% impact ⁴	Benefits ⁵	Costs	% impact	Benefits	Costs	% impact	Benefits
Residential									
Single family									
Multi-family									
Commercial/Retail									
Industrial									
Institutional									

This proposal is a clarification of an existing code provision, and will have negligible cost effects.

¹ \$ / square foot of floor area or other cost. Attach data. **Construction** costs are costs prior to occupancy, and include both design and direct construction costs that impact the total cost of the construction to the owner/consumer.

² Cost per project plan. Attach data. **Enforcement** costs include governmental review of plans, field inspection, and mediated litigation required for enforcement.

³ Cost to building owner/tenants over the life of the project.

⁴ Cost differential over a specific size project or range of projects as determined by the proponent. Provide sufficient cost and benefit detail to clarify the impact to the Council. All data should be created and referenced to third party reputable sources for verification.

⁵ Note sectors with measurable benefit from Part II, including benefits to a) the user, b) the public, c) the industry, and/or d) the economy; use e) for all of the above.

GENERAL INSTRUCTIONS FOR MAKING A CODE CHANGE PROPOSAL:

1. Check the boxes for the code or codes for which amendments are being proposed.
2. Provide the name of the local government, organization, or individual proposing the code change.
3. Proponent must sign and date the proposal as noted.
4. Provide contact information for the person designated to work with the Council and staff to supply information on the proposed changes as needed; please include name, address, phone number and e-mail address.
5. The specific section for which an amendment is proposed should be listed. The **entire section** should be reproduced, including the existing and the proposed amendatory language.

This must be prepared in legislative style formatting. Specifically, all added words should be underlined; all deleted words should be struck through. Any separate new sections added should be inserted in the appropriate place in the existing code language 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.

6. **SUPPORTING DATA REQUIREMENTS FOR ALL STATEWIDE AMENDMENT PROPOSALS:** You must attach background information with all statewide amendment proposals. The attached worksheet provides requirements for supporting data. All information will be forwarded to the Council as part of the amendment's documentation. TAG findings and projections from the worksheet will be tabulated to summarize projected benefits and impacts and will be included with TAG comments and recommendations. SBCC staff may request additional information as needed to clarify any potential impacts, and may perform additional research and analysis as needed when requested by the Council or the Standing Committee.
7. Please send an electronic copy of your completed proposal to SBCC staff at:
sbcc@ga.wa.gov

NOTE: YOU MAY REPRODUCE THIS FORM AND ADD ADDITIONAL PAGES AS NEEDED.