

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

1. State Building Code to be Amended.

- | | |
|---|--|
| <input type="checkbox"/> International Building Code | <input type="checkbox"/> Ventilation and Indoor Air Quality Code |
| <input 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 |
| <input checked="" type="checkbox"/> State Energy Code | |

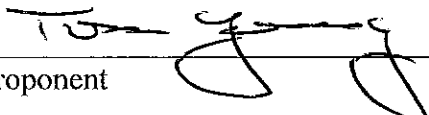
Section 1331

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2. Applicant:

Northwest Concrete Masonry Association

3. Signed:

	<u>Director</u>	<u>2/28/11</u>
Proponent	Title	Date

4. Contact Person:

<u>Tom Young</u>	<u>Director</u>
Name	Title
Address: <u>19109 36th Ave West, Ste 211</u>	
<u>Lynnwood, WA 98036-5767</u>	
Phone: <u>(425) 697-5298</u>	Fax: <u>(425) 697-2679</u>

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5. Proposed Code Amendment (Underline all added words, strike through deleted words) Additional pages may be attached.

Code WSEC Section 1331 Page 88

Amend section to read as follows:

Section 1330 - Component Performance Building Envelope Option

1331 General: Buildings or structures whose design heat loss rate (UA_p) and solar heat gain coefficient rate ($SHGC \cdot A_p$) are less than or equal to the target heat loss rate (UA_t) and solar heat gain coefficient rate ($SHGC \cdot A_t$) shall be considered in compliance with this section. The stated U-factor, F-factor or allowable area of any component assembly, listed in Tables 13-1 or 13-2, such as roof/ceiling, opaque wall, opaque door, glazing, floor over conditioned space, slab on grade floor, radiant floor or opaque floor may be increased and the U-factor or F-factor for other components decreased, provided that the total heat gain or loss for the entire building envelope does not exceed the total resulting from compliance to the U-factors, F-factors or allowable areas specified in this section.

EXCEPTIONS: 1. Compliance is also allowed to be shown using RS-32 for Climate Zone 1 except for buildings containing attic roofs, wood framed walls or vertical fenestration with nonmetal frames, or for Group R occupancies. 2. Compliance is also allowed to be shown using RS-35 except for Group R occupancies.

Add new reference above to Chapter 7:

Section 701 - Standards

RS - 35 COMcheck, US Dept of Energy, Version 3.8.1

6. Background information on amendment.

NOTE: State-wide and emergency state-wide amendments to the state building code should be based on one of the following criteria:

- (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.

This amendment would allow an additional code compliance option for nonresidential buildings. COMcheck software provides greater design flexibility and is used for compliance with the national energy codes/standards.

Economic Impact Worksheet
(Required for statewide amendment requests. Attach supporting documentation.)

Code References: WSEC Title: Sections 1331

Proponent: Tom Young Phone: (425) 697-5298 Date: 02-28-2011

Part I ❖ Amendment Benefit:

PROBLEM(S) ADDRESSED: Provide additional design option. Software simplifies design.

PRIMARY REASON FOR AMENDMENT: (check one only)

- | | |
|--|---|
| <input type="checkbox"/> Protect public health, safety and welfare | <input type="checkbox"/> Mandate from legislation or courts |
| <input type="checkbox"/> Reduce cost | <input checked="" type="checkbox"/> Code change |
| <input type="checkbox"/> "Manage risk" for government | <input type="checkbox"/> Other _____ |

TYPE OF BENEFITS PROJECTED: (check all that apply)

- | | |
|---|---|
| <input type="checkbox"/> Saves lives/reduces injuries | <input type="checkbox"/> Saves energy |
| <input type="checkbox"/> Protects/improves long-term health | <input type="checkbox"/> Protects environment |
| Reduces construction cost: | <input type="checkbox"/> Increases accessibility |
| <input type="checkbox"/> Over existing code requirement | <input type="checkbox"/> Reduces regulation |
| <input type="checkbox"/> Canceling new code requirement | <input type="checkbox"/> Reduces government enforcement cost |
| <input type="checkbox"/> Off-setting new code requirement | <input type="checkbox"/> Clarifies/improves existing code |
| <input checked="" type="checkbox"/> Increases construction alternatives | <input type="checkbox"/> Protects property loss/damage |
| | <input checked="" type="checkbox"/> Other <u>Simplifies building design</u> |

Part II ❖ Amendment Impacts:

TYPES OF CONSTRUCTION: New Construction Remodeling/Tenant Improvement/Repair

COMPLETE TABLE FOR EACH BUILDING TYPE CHECKED (See reverse for instruction on items ^a through ^e)

√	Building Type	Construction ^a 1st Cost		Enforcement ^b		Owner ^c Ongoing		Other		Supporting data attached
		C/S ^d	Degree ^e	C/S ^d	Degree ^e	C/S ^d	Degree ^e	C/S ^d	Degree ^e	
	Residential									✓
	Single family									
	Multi-family									
√	Commercial/Retail	-	1	-	1					
√	Industrial	-	1	-	1					
√	Government/Utilities	-	1	-	1					
√	Other: Institutional	-	1	-	1					

OTHER EFFECTS:

Evaluate by number scale 0-3 (0=none, 3=significant)

- 0 Likelihood for litigation
 0 Decrease public cooperation
 0 Disadvantage small business
 ___ Other _____

Evaluate by letter code

- (Spec, Custom, Factory, Remodel, Manufact., Other, NA)
 ___ Advantage one industry
 ___ Disadvantage one industry

Part III ❖ Comments and Recommendations:

Evaluate each by number scale 0-3 (0=none, 3=significant)

- 0 Difficulty to Enforce 2 Cost of not adopting amendment
 0 Costs exceed Benefits 1 Degree of TAG controversy
 2 C/S Confidence level

Evaluate Yes or No (circle one)

- Y/N Were alternative solutions considered
 Y/N Recommend further benefit/impact analysis
 Y/N Recommend future benefit/impact review