

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 2009 WSEC Table 10-9B(2)

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2. Applicant:

Eric Vander Mey, PE, LEED AP

3. Signed:



Proponent

Principal
Title

2011-02-28
Date

4. Contact Person:

Eric Vander Mey
Name

Principal
Title

Address: 1725 Westlake Avenue N, Suite 300
Seattle, WA 98109

Phone: 206-285-7114 **Fax:** 206-285-7111

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

Code 2009 WSEC Section Table 10-9B(2) Page 58

Amend section to read as follows:

**TABLE 10-5B(2)
PERIPHERAL EDGES OF INTERMEDIATE CONCRETE FLOORS**

Slab Edge Treatment	Average Thickness of Wall Above and Below			
	6 inches	8 inches	10 inches	12 inches
Exposed Concrete	0.816	0.741	0.678	0.625
R-5 Exterior Insulation	0.161	0.157	0.154	0.152
R-6 Exterior Insulation	0.138	0.136	0.134	0.132
R-7 Exterior Insulation	0.122	0.120	0.118	0.116
R-8 Exterior Insulation	0.108	0.107	0.106	0.104
R-9 Exterior Insulation	0.098	0.097	0.095	0.094
R-10 Exterior Insulation	0.089	0.088	0.087	0.086
R-11 Exterior Insulation	0.082	0.081	0.080	0.079
R-12 Exterior Insulation	0.076	0.075	0.074	0.074
R-13 Exterior Insulation	0.070	0.070	0.069	0.068
R-14 Exterior Insulation	0.066	0.065	0.065	0.064
R-15 Exterior Insulation	0.062	0.061	0.061	0.060

Notes for Default Table 10-5B(2)

1. Exterior insulation values listed above are continuous r-values on the exterior side of the concrete floor.
2. For conditions with an exterior wall above the peripheral edge of intermediate concrete floor but with no wall below the intermediate concrete floor this table may be used as long as the code minimum insulation is applied to the floor slab below the concrete floor.
3. Typical conditions where conditioned space building envelope wall thermal insulation values are broken concrete floors include, but are not limited to, the following examples:
 - a. Elevator hoistway shafts that serve the conditioned building and pass through unconditioned floors such as parking garage levels,
 - b. Stairwell enclosures that serve the conditioned building and pass through unconditioned floors such as parking garage levels,
 - c. Walls between interior and exterior building envelope that separate the interior conditioned space from an exterior courtyard or roofdeck,
 - d. Walls between interior and exterior building envelope that separate the interior conditioned space from an exterior unconditioned space on parking garage levels.

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 is needed to correct errors and omissions recommend adding the following notes to table to clarify typical locations of walls with conditions where there are peripheral walls with edge conditions.

Economic Impact Worksheet

(Required for statewide amendment requests. Attach supporting documentation.)

Code References: 2009 WSEC Section 10-9B(2) Title: Principal

Proponent: Eric Vander Mey Phone: 206-285-7114 Date: 2011-02-28

Part I ❖ Amendment Benefit:

PROBLEM(S) ADDRESSED: Error and Omission in 2009 WSEC amendment clarifies the existing code language

PRIMARY REASON FOR AMENDMENT: (check one only)

- Protect public health, safety and welfare
- Reduce cost
- "Manage risk" for government
- Mandate from legislation or courts
- Code change
- Other Error and Omission in Existing Code Language

TYPE OF BENEFITS PROJECTED: (check all that apply)

- Saves lives/reduces injuries
- Protects/improves long-term health
- Reduces construction cost:
 - Over existing code requirement
 - Canceling new code requirement
 - Off-setting new code requirement
- Increases construction alternatives
- Saves energy
- Protects environment
- Increases accessibility
- Reduces regulation
- Reduces government enforcement cost
- Clarifies/improves existing code
- Protects property loss/damage
- Other _____

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	C/S ^d	Degree ^e	C/S ^d	Degree ^e	C/S ^d	Degree ^e	C/S ^d	Degree ^e	✓
	Single family	NA	NA	NA	NA	NA	NA	NA	NA	
√	Multi-family		0	-	1		0	NA	NA	
√	Commercial/Retail		0	-	1		0	NA	NA	
√	Industrial		0	-	1		0	NA	NA	
√	Government/Utilities		0	-	1		0	NA	NA	
	Other: _____									

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)
- NA Advantage one industry
- NA 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 0 Degree of TAG controversy
- 0 C/S Confidence level

Evaluate Yes or No (circle one)

- Yes Were alternative solutions considered
- No Recommend further benefit/impact analysis
- No Recommend future benefit/impact review