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

WASHINGTON STATE BUILDING CODE COUNCIL

1.	State Building Code to be Amended.	
	[X] International Building Code	[] Ventilation and Indoor Air Quality Code
	[] International Residential Code	[] International Mechanical Code
	[] ICC ANSI A117.1 Accessibility Code	[] International Fuel Gas Code
	[] International Fire Code	[] NFPA 54 National Fuel Gas Code
	[] Uniform Plumbing Code	[] NFPA 58 Liquefied Petroleum Gas Code
	[] State Energy Code	
	Section 1013.5 and 1013.6	Page
2.	Applicant:	
	Mitch Markham	
3.	Signed: Netter Markham	Technical Services 03/01/2011
	Proponent	Title Date
4.	Contact Person:	
	Mitch Markham	Technical Services
	Name Address: 2915 Chestnut Street	Title
	Everett, WA 98201	
	Phone: (425) 328-6133	Fax: ()

may be attached.		
Code <u>IBC</u>	Section 1013.5	Page
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Amend section to read as follow	ws:	-
1012 5 Machanical agreement Cuguda shall	ha may idad whan annii anaa	aguirment fong moethatch
1013.5 Mechanical equipment. Guards shall		
openings, solar arrays, photovoltaic panels, sk dishes, antennas, television/radio/internet and	· · - · · · · · · · · · · · · · · · · ·	
other components that require service that are		
walking surface and such edge or open side is		,
grade below. The <i>guard</i> shall be constructed s		· · · · · · · · · · · · · · · · · · ·
diameter. The guard shall extend not less than	~ * *	*
equipment, fans, solar arrays, photovoltaic pa		· · · · · · · · · · · · · · · · · · ·
satellite dishes, antennas, television/radio/inten	rnet and other communication ed	quipment and all other machinery
or components.		
	· · · · · · · · · · · · · · · · · · ·	
Exception: Permanent fall arrest/restraint and		
placed at a maximum of 10 feet (3048 mm) on		s shall be sufficient in lieu of
guards provided around the perimeter of the ro	oot under this section.	
Code IBC	Section 1013.6	Page
Cout	Section 1015.0	1 agc
Amend section to read as follow	ws:	
1013.6 Roof access. Guards shall be provided	where the roof hatch opening is	s located within 10 feet (3048

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

1013.6 Roof access. Guards shall be provided where the roof hatch opening is located within 10 feet (3048 mm) of a roof edge or open side of a walking surface and such edge or open side is located more than 30 inches (762 mm) above the floor, roof or grade below. The guard shall be constructed so as to prevent passage of a sphere 21 inches (533 mm) in diameter.

Exception: Permanent fall arrest/restraint anchorage affixed for use during the entire roof lifetime shall be placed at a maximum of 10 feet (3048 mm) from the roof hatch shall be sufficient in lieu of guards.

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.

The proposed modification to the IBC is necessary to supplementally address a critical life/safety need.

Incorporation of permanent fall arrest/restraint anchorage is necessary to prevent falls from heights sustained by persons ascending and descending elevated structures, thereby reducing if not completely eliminating exposure to catastrophic injuries and the occurrence of resulting medical costs, personal and industrial injury claims, third party lawsuits, lost income and other intangible damages.

These specific code revisions will benefit all persons accessing inclined structures during both initial construction as well as subsequent structure installations, inspections, maintenance and repair. All persons, ranging from employees covered under existing Labor & Industries fall restraint and fall arrest standards as well to the actual homeowner him or herself, will be able to gain safe access to structures under all likely circumstances.

The tangible cost savings to be realized by the State of Washington alone as a result of reduced Workers' Compensation claims will be substantial. Utilizing data (*see below) compiled by the Washington State Dept. of Labor and Industries for Workers' Compensation claims filed between 2003-2007, the Washington State paid nearly over forty two million dollars (\$42,000,000) to claimants as a result of falls from height. Adding to this the cost of preventable injuries sustained by homeowners and other third parties will be even more substantial.

*Washington Numbers (Falls from Height)

- >For injury years 2003-2007
- >5 Fatalities
- >13 Total Permanent Disability Cases
- >270 Partial Permanent Disability Cases
- >284 Time Loss Cases
- >361 Medical Aid Only Cases
- >TOTAL COSTS: \$42.5 Million!!!

Source: WA Dept. of Labor & Industries records request No. 67215 November 26, 2008

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

	e References: <u>IBC</u> Title: <u>Mech</u>	anical equ	ripment and	l Roof ac	cess					
Prop	onent: Mitch Markham		Phone:	(425) 32	28-6133	Da	ite: <u>03/01/2</u>	011 -		
	I Amendment Benefit: BLEM(S) ADDRESSED: To	reduce if	not elimina	te elevat	ed charature	falle one	tained by n	errorie a	rcandina	
	descending elevated structures									, lost
	me and productivity, industrial							-		
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	rotect public health, safety and deduce cost	d welfare		I Manda I Code c	te from leg	islation o	r courts			•
	Manage risk" for government			Other	mange	-		•		
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	E OF BENEFITS PROJECTE	D: (chec	-	- • -			•		,	
	laves lives/reduces injuries rotects/improves long-term he	مأخأم		Saves	energy ts environm			• *		
	refects/improves long-term ne	auui			s environin ses accessib		•			•
	Over existing code requirem	nent			es regulation					
	Canceling new code require				es governme		cement cos	t .		
	I Off-setting new code require			l Clarific	es/improves	existing	code		•	
⊠ Iı	ncreases construction alternative	ves			ts property				•	
	·			Other						
Part II ❖ Amendment Impacts: TYPES OF CONSTRUCTION: New Construction COMPLETE TABLE FOR EACH BUILDING TYPE V Building Type Construction		NG TYPE (truction ^a	CHECKED		Owner ^c		ement/Repair estruction on items ^a Other		Supporting	
1	1st Cost		Cost			Ongoing				data
1					-	!]		l}	- 1	l attached l
	Residential	C/S ^d	Degree	C/S ^d	Degree	C/Sd	Degreee	C/S ^d	Degree	attached ✓
\\	Residential Single family	C/S ^d	Degree ^e	C/S ^d +	Degree ^e	C/S ^d	Degree ^e	C/S ^d	Degree	
1	 				<u> </u>	 	 	C/S ^d	Degree	
	Single family	+	1-2	+	1	1	0	C/S ^d	Degree	
	Single family Multi-family	+ +	1-2 1-2	+	1	1	0		Degree	
√ √	Single family Multi-family Commercial/Retail	+	1-2 1-2 1-2	+ + + + .	1 1	1	0 0 0		Degree	
√ √	Single family Multi-family Commercial/Retail Industrial	+ + + +	1-2 1-2 1-2 1-2	+ + + + + + + + + + + + + + + + + + + +	1 1	1	0 0 0 0		Degree	
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