NEW HAMPSHIRE STATE BUILDING CODE

PROPOSED AMENDMENT FORM

Proposed amendment submitted by:

BD-09-02-16

Name: Wayne Richardson, CBO

Date: April 14, 2016

Company /Organization: NHBOA – NH Building Officials Association

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Applicable code: 2009 Int'l Bldg Code Applicable code section:

Select only one code: *IEBC-09* [*IBC-09*] *IRC-09* *IPC-09* *IMC-09* *IECC-09* *IEBC-09* NEC-14 (NFPA 70)

Current language (including section numbers and include prior adopted amendments):

(4) Delete Table 503 of the International Building Code 2009 and replace it with NH Modified Table 503 [effective date of April 1, 2010, ratified June 18, 2012]

Section 506.0 Building Area Modifications

506.1 General: The provisions of this section shall modify the area limitations of Table 503 as herein specified.

506.2 Street frontage increase: Where a building or structure has more than 25 percent of the building perimeter fronting on a street or other unoccupied space, the area limitations specified in Table 503 shall be increased 2 percent for each 1 percent of such excess frontage. The unoccupied space shall be on the same lot or dedicated for public use, shall not be less than 30 feet (9144 mm) in width and shall have access from a street by a posted fire lane not less than 18 feet (5486 mm) in width.

506.3 Automatic Sprinkler System: Where a building is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1, the area limitations specified in Table 503 shall be increased 200 percent for one- and two-story buildings and 100 percent for buildings more than two stories in height.

Exception:

1. The automatic sprinkler system increase shall not apply to buildings with an occupancy in Use Group H-1.
2. The automatic sprinkler system increase shall not apply to any fire area with an occupancy in Use Group H-2 or H-3.

506.4 Multistory buildings: The area limitations for buildings two stories in height shall be the same as the area limitations provided in Table 503 for one-story buildings. In buildings over two stories in height, the area limitations of Table 503 for one-story buildings shall be reduced as specified in Table 506.4.

Table 506.4 **Type of Construction**
REDUCTION OF AREA LIMITATIONS

Number of Stories			
IA	IB		All Others
1	None	None	None
2	None	None	None
3	None	5%	20%
4	None	10%	20%
5	None	15%	30%
6	None	20%	40%
7	None	25%	50%
8	None	30%	60%
9	None	35%	70%
10	None	40%	80%

Check one: _x_ Delete without substitution: ___ Add new section to read as follows:

___ Delete section and substitute the following: ___ Revise section to read as follows:

~~Show Line through material to be deleted.~~ Underline material to be added.

Proposed code language:

Delete all of the amendments to the above listed sections and tables. Use Chapter 5, of the 2009 IBC as printed by the International Code Council, for controlling the height and areas of new structures and additions.

Reason / Justification:

NOTE: The purpose of this amendment is to reinstitute amendment BD-09-01-13, previously approved by the State of New Hampshire Building Code Review Board on March 14, 2014, as described herein.

The amendments currently adopted are based upon a code edition (2000 IBC) which has been through no less than three (3) code consensus changes. The current modified H&A table is based upon a H&A table from the 1999 BOCA National Building Code that is no longer published. The successors to the original table have been through no less than four code consensus reviews and changes have been made in response to the numerous changes made in the IBC in areas related to fire protection requirements and technological changes in construction. The continued reluctance on the part of NH to use the published codes makes it difficult for today's building designs to be used. One such example is the use of what is termed a "pedestal" building. Ongoing code development process is designed to correct deficiencies within the coede and to incorporate new technologies. It serves no logical purpose for continued application of code amendments based on outdated parameters.

Financial Analysis/Fiscal Impact of proposed amendment:

There will be adverse financial impact on building construction costs. It is possible to have a financial savings in design fees and construction costs with an increase in project returns to land owners and

developers.

HSA TABLE COMPARISON - IBC, NFPA 5000 FOR 2009 NOTE: NFPA HAS MADE A DISTINCTION BETWEEN RESTURANTS AND NIGHTCLUBS

Height limitations shown as stories and feet above grade plane - Area limitations as determined by the definition of "Area, Building" per floor - U.L. = Unlimited

IBC - BLACK, NFPA - RED (1234 means number of stories with sprinklers and number without) TYPE OF CONSTRUCTION

GROUP		Type I A	Type I B	Type II A	Type II B	Type III A	Type III B	Type IV HT	Type V A	Type V B
A-1	S	U.L. U.L. U.L.	6 5 1234	3 3 3	2 2 2	3 3 2	2 2 2	3 3 2	2 1 2	1 1 1
				15000 13125	9,500 8,400	14,000 11,500		15,000 12,000	11,500 9,625	5,500 4,200
	A	U.L. U.L. U.L.	U.L. 19,950 U.L.	15000	9,500	14,000	8500 8400 8500	15,000	11,500	5,500
A-2	S	U.L. U.L. U.L./7	11 3 1234	3 2 3	2 1 1	3 2 2	2 1 1	3 2 3	2 1 3	1 1 1
				15,000 3,750	9,500 2,400	14,000 3,500	9,500 2,400	15,000 3,000	11,500 2,550	6,000 4,200
	A	U.L. 7,200 U.L.	U.L. 6,750 U.L.	15,000	9,500	14,000	9,500	15,000	11,500	5,500
A-2R	S	U.L. U.L. U.L./7	11 5 1234	3 2 3	2 1 1	3 3 2	2 2 1	3 3 3	2 1 3	1 1 1
		U.L. 7,200		15,000 13,750	9,500 8,400	14,000 11,550	9,500 8,400	15,000 12,600	11,500 9,625	6,000 4,200
	A	U.L.	U.L. 19,950 U.L.	15,000	9,500	14,000	9,500	15,000	11,500	5,500
A-3 C	S	U.L. U.L. U.L./4	11 6 1234	3 3 3	2 2 1	3 3 2	2 2 1	3 3 2	2 1 2	1 1 1
		U.L. U.L.		15,000 22,500	9,500 14,400	14,000 19,800	9,500 14,400	15,000 21,600	11,500 15,350	6,000 7,200
	A	U.L.	U.L. 34,200 U.L.	15,000	9,500	14,000	9,500	15,000	11,500	5,500
A-3	S	U.L. U.L. U.L./4	11 6 1234	3 3 3	2 2 1	3 3 2	2 2 1	3 3 2	2 1 2	1 1 1
		U.L. U.L.		15,000 13,125	9,500 8,400	14,000 11,550	9,500 8,400	15,000 12,600	11,500 9,625	6,000 4,200
	A	U.L.	U.L. 19,950 U.L.	15,000	9,500	14,000	9,500	15,000	11,500	5,500
A-4	S	U.L. U.L. U.L./4	11 5 1234	3 3 2	2 2 1	3 3 2	2 2 NP	3 3 2	2 1 2	1 1 NP
		U.L. U.L.		15,000 13,125	9,500 8,400	14,000 11,550	9,500 8,400	15,000 12,600	11,500 9,625	
	A	U.L.	U.L. 19,950 U.L.	15,000	9,500	14,000	NP	15,000	11,500	6,000 4,200 NP
A-5	S	U.L. U.L. U.L./4	U.L. U.L. U.L.	U.L. U.L. U.L.	U.L. U.L. U.L.	U.L. U.L. 3	U.L. U.L. 2	U.L. U.L. 3	U.L. U.L. 2	U.L. U.L. 1
		U.L. U.L.	U.L. U.L.	U.L. U.L.	U.L. U.L.	U.L. U.L.	U.L. U.L.	U.L. U.L.	U.L. U.L.	U.L. U.L.
	A	U.L.	U.L.	U.L.	U.L.	U.L.	U.L.	U.L.	U.L.	U.L.
B	S	U.L. U.L. U.L.	11 6 11	5 5 5	4 4 4	5 4 5	3 3 4	5 5 5	3 3 3	2 2 2
			U.L. 34,200	37,500 22,500	23,000 14,400	28,500 19,800	19,000 14,400	33,000 21,600	19,000 15,300	9,500 7,200
	A	U.L. U.L. U.L.	U.L.	37,500	23,000	28,500	19,000	33,000	19,000	9,500
E	S	U.L. U.L. U.L.	5 5 1234	3 3 3	2 2 2	3 3 3	2 2 2	3 3 3	1 1 1	1 1 1
			U.L. 34,200	25,500 22,500	14,500 14,400	22,500 19,800	14,500 14,400	25,500 21,600	13,500 13,300	9,500 7,200
	A	U.L. U.L. U.L.	U.L.	25,500	14,500	22,500	14,500	25,500	13,500	9,500
F-1	S	U.L. U.L. U.L.	11 6 11	4 4 4	2 2 2	3 3 3	2 2 2	4 4 4	2 2 2	1 1 1
		U.L. U.L.	U.L. 22,800	25,000 18,000	13,500 9,600	19,000 13,200	12,000 9,600	33,500 14,400	14,000 10,200	8,500 4,800
	A	U.L.	U.L.	25,000	13,500	19,000	12,000	33,500	14,000	8,500

HSA TABLE COMPARISON - IBC, NH & NFPA 5000 FOR 2009 . NOTE: NH HAS MADE A DISTINCTION BETWEEN RESTURANTS AND NIGHTCLUBS

Height limitations shown as stories and feet above grade plane - Area limitations as determined by the definition of "Area, Building" per floor - UL + Unlimited

IBC - BLACK, NH - BLUE, NFPA - RED (12/4 means number of stories with sprinklers and number without) TYPE OF CONSTRUCTION

		Type I		Type II		Type III		Type IV	Type V	
		A	B	A	B	A	B	HT	A	B
F-2	S	UL UL UL UL UL	11 6 11 UL 34,200	5 5 5 37,500 22,500	3 3 3 23,000 14,400	4 4 4 28,500 19,800	3 3 3 18,000 14,400	5 5 5 50,500 21,600	3 3 3 21,000 15,300	2 2 2 13,000 7,200
	A	UL	UL	37,500	23,000	28,500	18,000	50,500	21,000	13,000
H-1	S	1 1 1 21000 14,400	1 1 1 16,500 11,400	1 1 1 11,000 7,500	1 1 1 7,000 4,800	1 1 1 9,500 6,600	1 1 1 7,000 4,800	1 1 1 10,500 7,200	1 1 1 7,500 5,100	NP NP NP
	A	21,000	16,500	11,000	7,000	9,500	7,000	10,500	7,500	NP NP NP
H-2	S	UL 3 UL 21000 14,400	3 3 3 16,500 11,400	2 2 2 11,000 7,500	1 1 1 7,000 4,800	2 2 2 9,500 6,600	1 1 1 7,000 4,800	2 2 2 10,500 7,200	1 1 1 7,500 5,100	1 NP 1
	A	21,000	16,500	11,000	7,000	9,500	7,000	10,500	7,500	3,000 NP 3,000
H-3	S	UL 7 UL UL 28,800	6 6 6 60,000 22,800	4 4 4 28,500 15,000	2 2 2 14,000 9,600	4 3 4 17,500 13,200	2 2 2 13,000 9,600	4 4 4 25,500 14,400	2 2 2 19,000 10,200	1 1 1 5,000 4,800
	A	UL	60,000	28,500	14,000	17,500	13,000	25,500	19,000	5,000
H-4	S	9 7 9 UL UL	8 7 8 UL 34,200	5 5 5 37,500 22,500	3 3 3 17,500 14,400	5 4 5 28,500 19,800	3 3 3 17,500 14,400	5 5 5 38,000 21,600	4 3 4 18,000 15,300	3 2 3 6,500 7,200
	A	UL	UL	37,500	17,500	28,500	17,500	38,000	18,000	6,500
H-5	S	4 3 4 UL UL UL	4 3 4 UL 34,200	3 3 3 37,500 22,500	3 3 3 23,000 14,400	3 3 3 28,500 19,800	3 3 3 18,000 14,400	3 3 3 38,000 21,600	3 3 3 18,000 15,300	2 2 2 9,000 7,200
	A	UL	UL	37,500	23,000	28,500	18,000	38,000	18,000	9,000
I-1	S	UL UL NP UL UL	9 9 NP 55,000 19,950	4 4 NP 19,000 13,125	4 4 NP 10,000 8,400	4 4 NP 16,500 11,650	3 3 NP 10,000 8,400	4 4 NP 18,000 12,600	3 3 NP	2 2 NP 4,500 4,200
	A	NP	NP	NP	NP	NP	NP	NP	10,500 8,925 NP	NP
I-2	S	UL UL UL UL UL	4 4 12 UL 17,100	2 2 3 16,000 11,250	1 1 1 11,000 7,200	1 1 1 12,000 9,600	NP NP NP	1 1 1 12,000 10,800	1 1 1 9,500 7,650	NP NP NP
	A	UL	UL	15,000	11,000	12,000	NP NP NP	12,000	9,500	NP NP NP

H&A TABLE COMPARISON - IBC, NH & NFPA 5000 FOR 2009 NOTE: NH HAS MADE A DISTINCTION BETWEEN RESTURANTS AND NIGHTCLUBS

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IBC - BLACK, NH - BLUE, NFPA - RED (12/4 means number of stories with sprinklers and number without)

		TYPE OF CONSTRUCTION								
		Type I		Type II		Type III		Type IV	Type V	
		A	B	A	B	A	B	HT	A	B
I-3	S	UL UL 7	4 4 11	2 2 2	1 1 1	2 2 2	1 1 2	2 2 2	2 1 2	1 NP 1
		UL UL	UL 14,250	15,000 9,375	10,000 6,000	10,500 8,250	7,500 6,000	12,000 9,600	7,500 6,375	
	A	UL	UL	15,000	10,000	10,500	7,500	12,000	7,500	6,000 NP 6,000
I-4	S	UL UL UL/2	6 4 12/2	3 2 6	2 1 4	3 1 1	2 NP 1	3 1 1	1 1 1	1 NP 1
		UL UL	60,500 17,100	15,000 11,250	13,000 7,200	23,500 9,900	13,000 NP	25,500 10,800	18,500 7,650	
	A	UL	60,500	15,000	13,000	23,500	13,000	25,500	18,500	9,000 NP 9,000
B	S	UL UL UL	11 6 11	4 4 4	2 2 4	4 3 4	2 2 4	4 4 4	3 2 3	1 1 1
		UL UL	UL 28,500	21,500 15,000	12,500 9,600	18,500 13,200	12,500 9,600	20,500 14,400	14,000 10,200	9,000 4,500
	A	UL	UL	21,500	12,500	18,500	12,500	20,500	14,000	9,000
R-1	S	UL UL UL	11 9 11	4 4 4	4 3 4	4 4 4	4 3 4	4 4 4	3 3 3	2 2 2
		UL UL	UL 22,500	24,000 15,000	18,000 9,600	24,000 13,200	18,000 9,600	20,500 14,400	12,000 10,200	7,000 4,500
	A	UL	UL	24,000	18,000	24,000	18,000	20,500	12,000	7,000
R-2	S	UL UL UL	11 9 11	4 4 4	4 3 4	4 4 4	4 3 4	4 4 4	3 3 3	2 2 2
		UL UL	UL 22,500	24,000 15,000	18,000 9,600	24,000 13,200	18,000 9,600	20,500 14,400	12,000 10,200	7,000 4,500
	A	UL	UL	24,000	18,000	24,000	18,000	20,500	12,000	7,000
R-3	S	UL UL UL	11 4 11	4 4 4	4 3 4	4 4 4	4 3 4	4 4 4	3 3 3	2 2 2
		UL UL	UL 22,500	UL 15,000	UL 9,600	UL 13,200	UL 9,600	UL 14,400	UL 10,200	UL 4,500
	A	UL	UL	UL	UL	UL	UL	UL	UL	UL
R-4	S	UL UL UL	11 4 11	4 4 4	4 3 4	4 4 4	4 3 4	4 4 4	3 3 3	2 2 2
		UL UL	UL 22,500	24,000 15,000	18,000 9,600	24,000 13,200	18,000 9,600	20,500 14,400	12,000 10,200	7,000 4,500
	A	UL	UL	24,000	18,000	24,000	18,000	20,500	12,000	7,000
S-1	S	UL UL UL	11 5 11	4 4 4	2 2 4	3 3 3	2 2 3	4 4 4	3 2 3	1 1 1
		UL UL	48,000 19,950	26,000 13,125	17,500 8,400	26,000 11,550	17,500 8,400	25,500 12,600	14,000 8,925	9,000 4,200
	A	UL	48,000	26,000	17,500	26,000	17,500	25,500	14,000	9,000
S-2	S	UL UL UL	11 7 11	5 5 5	3 3 4	4 4 4	3 3 4	5 5 5	3 3 4	2 2 2
		UL UL	79,000 34,200	39,000 22,500	26,000 14,400	39,000 19,800	26,000 14,400	38,500 21,600	21,000 15,300	13,500 7,200
	A	UL	79,000	39,000	26,000	39,000	26,000	38,500	21,000	13,500
U	S	UL UL *	6 6	4 4	2 2	3 3	2 2	4 4	2 2	1 1
	A	UL UL	35,500 19,950	19,000 13,125	8,500 8,400	14,000 11,550	8,500 8,400	18,000 12,600	9,000 8,925	5,500 4,200

For Building Code Review Board Use:

Not approved: _____ **Approved:** ✓ **Approved with modifications:** _____

Scheduled Hearing Date: MAY 13 2016 **Exhibit #:** BD-09-02.16

Chair's Signature: _____ **Date:** 13 May 2016

Printed Name: SHAUN G. BERGERON SR