



CALIFORNIA BUILDING CODE (2006 IBC) PUBLIC PROPOSAL FORM

PLEASE SEE REVERSE FOR INSTRUCTIONS ON SUBMITTING PUBLIC PROPOSALS. PROPOSALS MUST COMPLY WITH THESE INSTRUCTIONS.

1) Indicate the format in which you would like to receive your Public Proposals Monograph (PPM), Report of the Hearing (ROH) and Final Action Agenda (FAA):

- Paper
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2) PLEASE TYPE OR PRINT CLEARLY: FORMS WILL BE RETURNED if they contain unreadable information.

Name:	Rick Thornberry, P.E.	Date:	12-23-05
Jurisdiction/Company:	The Code Consortium, Inc.		
Submitted on Behalf of:	Alliance for Fire and Smoke Containment and Control (AFSCC)		
Address:	2724 Elks Way		
City:	Napa	State:	CA
		Zip +4:	94558-3500
Phone:	(707) 253-2633	Ext:	
		Fax:	(707) 253-2639
e-mail:	thecodeinc@aol.com		

3) *Signature: _____ Signature on File (see over)

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4) Cost Impact: Indicate if this Proposal: will will not increase the cost of construction.

5) Indicate appropriate International Code(s) associated with this Public Proposal – Please use Acronym: IBC

If you have also submitted a separate coordination change to another I-Code, please indicate the code: _____
(See back of this form for list of names and acronyms for the International Codes).

6) Revision to: Section _____ Table 601 Figure _____

7) PROPOSAL Please check appropriate box:

- Revise as follows:
 Add new text as follows
 Delete and substitute as follows:
 Delete without Substitution(s):

Show the proposed NEW, REVISED or DELETED TEXT in legislative format: ~~Line through text to be deleted.~~ Underline text to be added.

TABLE 601

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (hours)

BUILDING ELEMENT	TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
	A	B	A ^d	B	A ^d	B	HT	A ^d	B
Structural frame ^a Including columns, girders, trusses	3 ^b	2 ^b	1	0	1	0	HT	1	0
Bearing walls									
Exterior ^f	3 4 ^b	2 4 ^b	1	0	2 4 ^b	2 4 ^b	2 4 ^b	1	0
Interior	3 ^b	2 ^b	1	0	1	0	1/HT	1	0
Nonbearing walls and partitions									
Exterior	See Table 602								
Interior ^e	See Section 602								
Floor construction Including supporting beams and joists	2	2	1	0	1	0	HT	1	0

Roof construction Including supporting beams and joists	1½ ^c	1 ^c	1 ^c	0 ^c	1 ^c	0	HT	1 ^c	0
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For SI; 1 foot = 304.8 mm.

a. The structural frame shall be considered to be the columns and the girders, beams, trusses and spandrels having direct connections to the columns and bracing members designed to carry gravity loads. The members of floor or roof panels which have no connection to the columns shall be considered secondary members and not a part of the structural frame.

b. Roof supports: Fire resistance ratings of structural frame and bearing walls are permitted to be reduced by 1 hour where supporting a roof only. For buildings classified as Group B, F, M, S, or R occupancies, where the fire separation distance is not less than 5 feet (1.6 m), the minimum fire resistance rating of the exterior bearing walls shall be permitted to be 2 hours.

1. Except in Factory-Industrial (F-I), Hazardous (H), Mercantile (M) and Moderate Hazard Storage (S-1) occupancies, fire protection of structural members shall not be required, including protection of roof framing and decking where every part of the roof construction is 20 feet or more above any floor immediately below. Fire-retardant-treated wood members shall be allowed to be used for such unprotected members.

- c. 1. In all occupancies, heavy timber shall be allowed where a 1-hour or less fire-resistance rating is required.
- 2. In Type I and Type II construction, fire-retardant-treated wood shall be allowed in buildings not over two stories including girders and trusses as part of the roof construction.

d. An approved automatic sprinkler system in accordance with Section 903.3.1.1 shall be allowed to be substituted for 1-hour fire-resistance-rated construction, provided such system is not otherwise required by other provisions of the code or used for an allowable area increase in accordance with Section 506.3 or an allowable height increase in accordance with Section 504.2. The 1-hour substitution for the fire resistance of exterior walls shall not be permitted.

e. For interior nonbearing partitions in Type IV construction, also see Section 602.4.6.

f. Not less than the fire-resistance rating based on fire separation distance (see Table 602.)

PROPOSAL *Continued* (Attach additional sheets as necessary)

8) SUPPORTING INFORMATION (State purpose and reason, and provide substantiation to support proposed change):
The International Building Code (IBC) requires exterior bearing walls in Types I, III and IV construction to have significantly lesser degrees of fire resistance than required in the 1997 Uniform Building Code (UBC). Although it is difficult to make a direct comparison between the IBC and the UBC regarding the fire resistive requirements for exterior bearing walls because of the differences in the occupancy classifications and the fact that the UBC bases the requirements on occupancy whereas the IBC does not, it becomes readily evident after a reasonably detailed evaluation that the ratings are significantly reduced. Generally speaking, the IBC only requires two-hour fire resistive ratings for all those types of construction mentioned above except Type I A which specifies a minimum three-hour fire resistance rating. In comparison, the UBC requires those exterior bearing walls to have a minimum 4-hour fire resistance rating.

The 1997 Uniform Building Code (UBC) requires all exterior bearing walls in Types I, II-F.R., III, and IV construction (Types I, III, and IV construction in the International Building Code) to have a 4 hour fire resistance rating. This change will require those types of construction to have a higher fire resistance rating consistent with the concept of the higher fire resistance ratings for exterior walls in Table 5-A of the UBC. Exterior walls in Types I, III and IV construction have traditionally been required to have these higher fire resistance ratings.

SUPPORTING INFORMATION *Continued* (Attach additional sheets as necessary)