CALIFORNIA BUILDING CODE (2006 IBC)
PUBLIC PROPOSAL FORM

INTERNATIONAL CODE COUNCIL®

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):

[X] Paper [ ] * CD [ ] *Download from ICC Website

(*Note: A paper copy will not be sent to you if you have chosen the CD or Download format.)

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

Name:	Rick Thornberry, P.E.			Date:	2/10/06
Jurisdiction/Company:	The Code Consortium, Inc.				
Submitted on Behalf of:	Air Movement and Control Association (AMCA)				
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: _____ [x] **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: [X] Section 407.3.3 (new) [ ] Table _____ [ ] Figure _____

7) PROPOSAL Please check appropriate box:

[ ] Revise as follows: [X] 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.

407.3.3 Ducts. Ducts penetrating corridor walls where the ducts contain supply air discharge or return air intake openings on both sides of the corridor wall shall be provided with a smoke damper complying with Section 716.3.2.

Exception: Where the installation of a smoke damper will interfere with the operation of a required smoke control system in accordance with Section 909, approved alternative protection shall be utilized.

[ ] PROPOSAL *Continued* (Attach additional sheets as necessary)

8) SUPPORTING INFORMATION (State purpose and reason, and provide substantiation to support proposed change):

The purpose of this proposed amendment is to maintain the level of fire/life safety currently provided by the 2001 CBC for duct penetrations of corridor walls in Group I-2 occupancies as required by Section 713.10.1 by specifying that ducts that penetrate corridor walls in these occupancies be provided with a smoke damper where the duct has openings in the duct on both sides of the corridor wall. The purpose is to maintain the protection from smoke migration from an occupied space to the adjacent corridor in Group I-2 occupancies where the duct can serve as a path for smoke travel from the occupied spaces into the corridor itself. Under the 2006 IBC corridor walls in Group I-2 occupancies are required to be smoke partitions which are not required to have a fire-resistance rating. Therefore, the basic requirement of Section 716.5.4.1 of the 2006 IBC which requires a smoke damper to protect duct openings in corridor walls constructed as fire partitions which would have a minimum fire-resistance rating of 1-hour would not apply. Since the corridor wall is required to be a smoke partition by Section 407.3 of the IBC, it makes sense that duct openings that would allow smoke to travel from one side of the corridor wall to the other should

be protected with a smoke damper as is currently required for air transfer openings in smoke partitions in accordance with Section 710.7. We see no difference between requiring smoke dampers for air transfer openings, as well as for ducts where the ducts have openings that would allow smoke to communicate from the occupied side of a corridor to the corridor itself. This is especially critical in these type occupancies where the occupants are incapable of self-preservation. It has been well documented that smoke is the major killer in fires. So ducts should be properly protected to not allow smoke to immediately migrate into the means of egress corridors in Group I-2 occupancies.

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