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# PUBLIC PROPOSAL FORM

FOR PUBLIC PROPOSALS ON THE INTERNATIONAL CODES  
2004/2005 CODE DEVELOPMENT CYCLE

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

**CLOSING DATE: All Proposals Must Be Received by August 20, 2004.**

The 2004/2005 Code Development Hearings are tentatively scheduled for February 21 – March 2, 2005 in Cincinnati, OH.

- 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     \* 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:	Greg Patzer				Date:	August 20, 2004	
Jurisdiction/Company:	Aluminum Extruders Council						
Submitted on Behalf of:	Aluminum Extruders Council						
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Signature on File (see over)

- 3) \*Signature: \_\_\_\_\_

*\* I hereby grant and assign to ICC all rights in copyright I may have in any authorship contributions I make to ICC in connection with this proposal. I understand that I will have no rights in any ICC publications that use such contributions in the form submitted by me or another similar form and certify that such contributions are not protected by the copyright of any other person or entity.*

- 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:

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 402.5.1     Table \_\_\_\_\_     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.

**402.5.1 Maximum fenestration U-factor and SHGC.** The area weighted average maximum fenestration U-factor permitted using trade offs from Section 402.1.3 or Section 404 in zones 4 through 8 shall be ~~0.40~~ 0.48 for vertical fenestration and 0.75 for skylights. The area weighted average maximum fenestration SHGC permitted using trade-offs from section 404 in zones 1 through 3 shall be 0.50.

PROPOSAL *Continued* (Attach additional sheets as necessary)

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

Supporting Statement:

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

**PLEASE USE SEPARATE FORM FOR EACH PROPOSAL**  
**SUBMITTAL AS A DOCUMENT ATTACHED TO AN E-MAIL IS PREFERRED**

**8. Supporting Statement - continued**

Section 402.5.1 currently imposes a cap on fenestration U-value in zones 4-8 which has several unintended consequences. First, the current U-value limit of 0.40 effectively prevents the use of metal framed fenestration in zones 4-8, despite the fact that metal framed products are often required for structural and impact resistance properties in the hurricane zone, which extends all the way up the east coast through zone 5. Second, the U-value limit of 0.40 is illogically lower than the 0.60 prescriptive requirement for skylights in zones 4-8. Third, the U-value limit of 0.40 is the same as the prescriptive value for vertical windows in zone 4, thus removing the flexibility for builders to use any window trade-off at all in this region. This proposal modestly increases the U-value limit for vertical fenestration to 0.48 to allow builders more flexibility and to allow metal framed products required in the hurricane zone, while still maintaining a reasonable limit to prevent low efficiency windows from being installed. Similarly, a U-value limit for skylights is specified at 0.75 to remove the inconsistency where the original limit was lower than the prescriptive requirement.