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Composite Building Systems, Inc.  
199 South Hudson Avenue  
Pasadena, CA 90101-2998

Attn: Paul Clark, Jr.  
(626) 796-6101 Ext. 12

RESEARCH REPORT: RR 25419

BASED UPON ICBO ES EVALUATION  
REPORT NO.5446

REEVALUATION DUE DATE:  
September 1, 2005

**GENERAL APPROVAL** - Reevaluation/Clerical Modification - MetalStudCrete® (MSC) - Shear Transfer Strip used to transfer shear stresses in composite panel systems used as floors and walls.

## DETAILS

The above assemblies and/or products are approved when in compliance with the description, use, identification and findings of Report No. 5446, dated May 1, 2001, of the ICBO Evaluation Service, Incorporated. The report, in its entirety, is attached and made part of this general approval.

The parts of Report No. 5446 marked by the asterisks are modified by the Los Angeles Building Department from this approval

The approval is subject to the following conditions:

1. Structural calculations and plans shall be prepared by an engineer or architect licensed in the state of California and approved by the structural plan check.
2. Offsite fabrication of MetalStudCrete® (MSC) shall be in a shop of a fabricator licensed by the City of Los Angeles Building Department, in accordance with the Manufacturing Standards submitted to the Department.
3. On site fabrications shall be in accordance with Sec. 2.4 of the ICBO Report. Continuous inspection by Deputy Inspectors shall be provided during the fabrication.

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Composite Building Systems, Inc.  
RE MetalStudCrete® (MSC) Shear Transfer Strip

4. The axial-load capacity of the composite panel must be a function of the capacity of the steel studs only.
5. The in-plane shear capacity of the panel is a function of the concrete facing only.

## DISCUSSION

The clerical modification is to change the telephone number of the contact person.

The approval is based on test and analysis.

The general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

The status of the referenced Evaluation Report No. 5446 dated May 1, 2001 which is currently beyond its reexamination date is still valid. The validity of the evaluation report was verified with ICBO.

This general approval will remain effective provided the Evaluation Report is maintained valid and unrevised with the issuing organization. Any revisions to the report must be submitted to this Department, with appropriate fee, for review in order to continue the approval of the revised report.



YEUAN CHOU, Chief  
Engineering Research Section



MR:elem  
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R07/21/03

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Attachments: ICBO ES Evaluation Report No. 5446 (3 Pages).