

# CITY OF LOS ANGELES

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RESEARCH REPORT: RR 25419  
(CSI # 09960)

BASED UPON ICC EVALUATION  
SERVICE REPORT NO. ESR-2511

Expires: December 1, 2015  
Issued Date: December 1, 2014  
Code: 2014 LABC

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

## DETAILS

The above assemblies and/or products are approved when in compliance with the use, description, design, installation, conditions of use, and identification of Evaluation Report No. 2511, issued October 2014 of the ICC-ES Evaluation Services, Incorporated. The report, in its entirety, is attached and made part of this general approval.

The parts of Report No.ESR-2511 marked by the asterisks have been removed by the Los Angeles Building Department from this approval.

### The approval is subject to the following conditions:

1. Structural calculations and plans for the composite panel system shall be prepared by an engineer or architect licensed in the state of California and approved by structural plan check division of Los Angeles City Department of Building and Safety.
2. Offsite fabrication of MetalStudCrete® (MSC) shall be in a shop of a fabricator licensed by the City of Los Angeles Department of Building and Safety, in accordance with the manufacturing standards submitted to the department.

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

3. Onsite fabrications shall be in accordance with Section 2.4 of attached ES Report No. 2511. Continuous inspection by Deputy Inspectors shall be provided during the fabrication.
4. The axial-load capacity of the composite panel must be a function of the capacity of the steel studs only.
5. The transverse load capacity of the composite panel is based on the transformed section of the composite steel stud and concrete.
6. No increase in capacity is allowed for short term loading (wind and seismic).

## **DISCUSSION**

The report is in compliance with the 2014 Los Angeles City Building Code.

The approval is based on tests and analysis.

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

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.

This 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.

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