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RESEARCH REPORT: RR 24029
(CSI # 05305)

BASED UPON ICBO ES EVALUATION
REPORT NO. 3056

REEVALUATION DUE DATE:
January 1, 2007

GENERAL APPROVAL - Reevaluation - TRAXX and I.C.H. TRAXX Self-Drilling Screws for Steel Deck Diaphragms.

DETAILS

TRAXX and I.C.H. TRAXX self-drilling screws are approved when in compliance with the description, use, identification and findings of Report No. 3056, dated August 1, 2002, 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. 3056 marked by asterisk is the part modified by the Los Angeles City Building Department from this approval.

The approval is subject to the following conditions:

1. Design diaphragm shear values shall be limited to two-thirds ($\frac{2}{3}$) of the tabulated values in this approval. Shear values of screws for chords and struts shall not exceed 80% of that specified herein. No increase is permitted for wind and seismic loading.
2. The spacing of the deck seam attachment and the connection of the deck units to struts or chords parallel to flutes shall not exceed 36 inches on center.
3. Diaphragm length-to-width ratio shall not exceed 3 to 1.

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RE: TRAXX and I.C.H. TRAXX Self-Drilling Screws

4. Diaphragm deflections shall be considered in the design.

DISCUSSION

The tabulated values are based on tests and analyses.

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.

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.

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. 3056 dated August 1, 2002, which is currently beyond its reexamination date is still valid. The validity of the referenced evaluation report was verified with ICC ES.

YEUAN CHOU, Chief
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Attachments: ICBO ES Evaluation Report No. 3056 (7 Pages).

YC:elcm
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