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RESEARCH REPORT: RR 25461
(CSI #13030)

BASED UPON ICC EVALUATION SERVICE
LEGACY REPORT NO. ER-5762

REEVALUATION DUE DATE:
September 1, 2008

GENERAL APPROVAL - Technical Modification - Sure-Board Series 200 Structural Panels for Shear Walls and Fire Rated Walls.

DETAILS

I. Shear Walls

The above assemblies and/or products are approved when in compliance with the description, use, identification and findings of Legacy Report No. ER-5762, dated July 1, 2003, of the ICC Evaluation Service, Incorporated. The Legacy report, in its entirety, is attached and made part of this general approval.

The parts of Legacy Report No. ER-5762 marked by the asterisks are modified by the Los Angeles Building Department from this approval.

II. Fire Rated Walls

a. 1-Hour Interior Wall Assembly

Steel Studs and Track: - 20 gauge 1 ½ in. By 3 ½ in. Studs, spaced 24 in. on centers

Horizontal Bracing: - Installed in stud holes, 3/8 in. by 1 ½ in. by 16 gauge, fastened with steel angles at each stud intersection.

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Sure Board Series 200 - Applied steel against studs on one side or both sides, oriented vertically with edge joints.

Gypsum Wallboard - USG "sheetrock" 5/8 in Type X gypsum wallboard, 1 5/8 in. Long No. 6 bugle head screws, 6 in on centers at board perimeter, and 12 in. on center in middle studs gypsum board fastened to each side of wall assembly.

b. 2-Hour Interior Wall Assembly

Steel Studs and Track - 20 gauge 1 1/2 in. by 3 1/2 in. studs, spaced 24 in. on centers.

Horizontal Bracing - Installed in stud holes, 3/8 in. by 1 1/2 in. by 16 gauge, fastened with steel angles at each stud intersection

Sure Board Series 200 - Applied steel side against studs on one side or both sides oriented vertically with edge joints centered on studs.

Gypsum Wallboard - USG "sheetrock" 5/8 in Type X gypsum wall board, 3 in. long No. 8 bugle head screws, 6 in. on centers at board perimeter, and 12 in. on centers in middle studs, 2 layers of gypsum board fastened to each side of wall assembly. Screws for gypsum may be screwed into sure board instead of studs for attachment for fire rating.

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. The Panels are limited to applications where there is no direct exposure to the weather or damp environments.
3. Shear wall design table are nominal shear values for wind or earthquake forces. To determine the allowable shear value or design strength value, the appropriate safety factor or strength reduction factor in accordance with Section 2219.3 of the 2002 Los Angeles Building Code shall be applied.
4. The Sure-Board Series 200 Structural Panels are identified by a label located on the top right and bottom left hand corner of the metal facing.

Intermat

RE: Sure-Board Series 200 Structural Panels for Shear Wall and Fire Rated Walls

DISCUSSION

The technical modification is to add fire rated walls.

The approval is based on test and analysis.

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.

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.

The status of the reference Legacy Report No. ER-5762 dated July 1, 2003, which is currently beyond its reexamination date is still valid. The validity of the report was verified with ICC.

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Attachments: ICC ES Legacy Report No. ER-5762 (2 Pages).