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RESEARCH REPORT: RR 25032
(CSI # 09 22 26)

BASED UPON ICC ES EVALUATION
SERVICE REPORT NO. ESR-1308

REEVALUATION DUE
DATE: September 1, 2021
Issued Date: September 1, 2019
Code: 2017 LABC

GENERAL APPROVAL – Reevaluation - Worthington Armstrong Venture (WAVE) Fire-Rated and Non-Fire-Rated Suspended Ceiling Systems.

DETAILS

The above assemblies and/or products are approved when in compliance with the use, description, design, installation, conditions of approval, and identification of Evaluation Report No. ESR-1308, reissued December 1, 2018, revised February 2019, of the ICC Evaluation Service, Incorporated. The report, in its entirety, is attached and made part of this general approval.

The parts of Report No.ESR-1308 which are excluded on the attached copy have been removed by the Los Angeles City Building Department as not being included in this approval.

The approval is subject to the following conditions:

1. All members shall be identified by indentation or by non-transferable decal with letters not less than 1/4 inch high and shall include the following information:
 - a. Manufacturer's name.
 - b. Runner designation.
 - c. Research Report Number, or Load Rating and Runner Spacing.

In addition, where used in fire-rated systems, the runners shall include a U.L. label with applicable design number.

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2. Intermediate Duty systems are limited to use in Seismic Design Categories A, B, and C.
3. Hanger wires shall be No. 12 gauge or heavier galvanized steel.
4. Terminal end of each runner shall be supported independently of and within eight inches of a wall.
5. Lateral restraints against earthquake forces for the ceiling system shall be provided by use of four No. 12 gauge or heavier wires at each bracing point. These wires shall be splayed in four directions 90 degrees apart and shall be connected to the main runner within two inches of a cross runner and to the structure above at an angle not exceeding 45 degrees from the plane of the ceiling. A compression strut shall be fastened at one end to the main runner and at the other to a structural member of the roof or floor above. These lateral support bracing points shall be spaced no farther than 12 feet on center in each direction, with the first point within four feet of each wall.
6. Runners shall not be used to resist any loads imposed on the ceiling system by the walls or partitions.
7. The building plans and specifications submitted to the Department for approval shall clearly identify all suspended ceiling systems and shall define or show all supporting details, lateral bracing, light fixture attachments, etc.
8. The installation of the perimeter members shall comply with Section 13.5.6.2.2, paragraph a, of ASCE 7-10.
9. Special requirement for means of egress shall comply with Sec.1613.8.1.3 of 2017 Los Angeles City Building Code.
10. BERC-2 and AL BERC-2 Clips are alternate methods of installation of the perimeter members described in Section 13.5.6.2.2, paragraph a, of ASCE 7-10. The alternate design allows for the use of 7/8" perimeter wall angle in lieu of the required 2" wall angle.

DISCUSSION

The report is in compliance with 2017 Los Angeles Building Code.

The approval is based on tests in accordance with ICC-ES Acceptance Criteria for Suspended Ceiling Framing Systems (AC 368), dated July 2015, ASTM E119 and ICC-ES Acceptance Criteria for Seismic Qualification by Shake-table Testing of Nonstructural Components and Systems (AC 156), dated December 2010 (editorially revised May 2015).

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

Worthington Armstrong Venture

RE:Worthington Armstrong Venture Fire-Rated and Non-Fire-Rated Suspended Ceiling Systems

this Department, with appropriate fee, for review in order 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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Attachment: ICC ES Report No. ESR-1308 (19 Pages)