

CITY OF LOS ANGELES

CALIFORNIA

BOARD OF
BUILDING AND SAFETY
COMMISSIONERS

VAN AMBATIELOS
PRESIDENT

E. FELICIA BRANNON
VICE PRESIDENT

JOSELYN GEAGA-ROSENTHAL
GEORGE HOVAGUIMIAN
JAVIER NUNEZ



ERIC GARCETTI
MAYOR

DEPARTMENT OF
BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

FRANK M. BUSH
GENERAL MANAGER

OSAMA YOUNAN, P.E.
EXECUTIVE OFFICER

Worthington Armstrong Venture (WAVE)
101 Lindenwood Dr. Suite 350
Malvern, PA 19355

Attn: Jason R. Ameen
610-722-1218

Local Representative: Brandon Jensen
(714) 713-1430

RESEARCH REPORT: RR 25348
(CSI #09 22 26)

BASED UPON ICC EVALUATION
SERVICE REPORT NO. ESR-1289

REEVALUATION DUE

DATE: October 1, 2020
Issued: October 1, 2018
Code: 2017 LABC

GENERAL APPROVAL – Reevaluation/Clerical Modification -Worthington Armstrong
Venture 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 use, and identification of Report No. ESR-1289 reissued October 1, 2017, revised January 1, 2018, 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. 1289 marked by the asterisks are modified by the Los Angeles City Building Department from this approval.

The approval is subject to the following conditions:

1. Main runners shall be identified by indentation or by nontransferable decal with letters not less than ¼ inch high, and shall include the following information:
 - a. Company name
 - b. Runner designation
 - c. Research Report Number, or Load Rating and Runner Spacing

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

RR 25348
Page 1 of 3

Worthington Armstrong Venture (Wave)

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

2. Light fixtures must be positively attached to the suspended ceiling system with connectors having a minimum capacity, in any direction, of 100 percent of the lighting fixture weight.
3. Vertical supports shall be No. 12 or heavier wires. The terminal end of each runner shall be supported independently of and within eight inches of a wall.
4. Lateral restraints against earthquake forces for the systems shall be provided by use of four No. 12 or heavier wires at each bracing point, splayed in four directions 90 degrees apart, and connected to the main runner within four inches of a cross runner and to the structure above at an angle not exceeding 45 degrees from the plane of the ceiling. The lateral support bracing points shall be spaced no farther than 12 feet on center in each direction, with the first point within six feet of each wall. A strut fastened to the main runner shall be extended to and fastened to the structural members supporting the roof or floor above. The strut shall be adequate to resist the vertical component induced by the bracing wires.

Exception: Ceilings constructed of lath and plaster or gypsum board, screw or nail attached to suspended members that support a ceiling on one level extending from wall to wall, when detailed drawings and calculations prepared by California Licensed Civil or Structural Engineer or Architect, for the design of the ceiling and bracing system to resist lateral loads are reviewed and approved by the structural plan check section.

5. Suspended ceiling systems must be designed and installed in accordance with LABC 1616.10.16, and ASCE 7-10 Section 13.5.6 per the attached Evaluation Report ESR-1289.
6. For suspended ceilings installed in a building located in Seismic Design Category C, Design and Installation shall also comply with ASCE 7-10, Section 13.5.6.2.1.
7. For suspended ceilings installed in a building located in Seismic Design Categories D, E, or F, Design and Installation shall also comply with ASCE 7-10, Section 13.5.6.2.2.
8. For ceiling areas exceeding 2500 s.f. installed in a building located in Seismic Design Categories D, E, or F, a seismic separation joint or a full height partition that breaks the ceiling up into areas not exceeding 2500 s.f. shall be provided per ASCE 7-10, Section 13.5.6.2.2.b.
9. Design loads and spans of main and cross runners must comply with Tables 1 and 2 of ESR-1289.
10. For Seismic Design Categories C, D, E or F, a quality assurance plan complying with ASCE 7-10, Appendix 11 A, must be submitted to the code official.
11. Periodic special inspections must be provided in accordance with Section 4.8 ESR-1289 of this report and ASCE 7-10, Section 11A.1.3.9, Item 2, as required in LABC 2506.2.1. A statement of special inspection must be provided as required in LABC Section 1704.2.3.

Worthington Armstrong Venture (Wave)

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

12. This ceiling system is not considered accessible in accordance with Item 28 of LABC Table 1607.1, titled "Minimum Uniformly Distributed Live Loads and Minimum Concentrated Live Loads."
13. For exterior ceiling installations, the ceiling systems must be designed for wind loads.
14. Suspended ceiling systems must comply with P/BC 2014-040.

DISCUSSION

The clerical modification is to update the report to the 2017 Los Angeles Building Code.

The report is in compliance with the 2017 Los Angeles 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 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.

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.

QUAN NGHIEM, Chief
Engineering Research Section
201 N Figueroa St, Room-880
Los Angeles, CA 90012
Phone (213) 202-9816
Fax (213) 202-9942

QN
RR25348
R09/28/18
TLB1800240
1616.10.16/2506.2.1

Attachments: ICC-ES Evaluation Report No. ESR-1289 (7 Pages)