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ICC-ES Evaluation Report

ESR-4184

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Issued 04/2018

This report is subject to renewal 04/2019.

DIVISION: 09 00 00—FINISHES
SECTION: 09 54 00—SPECIALTY CEILINGS
SECTION: 09 54 23—LINEAR METAL CEILINGS

REPORT HOLDER:

MAYNE COATINGS CORPORATION

27575 50 AVENUE
LANGLEY, BRITISH COLUMBIA V4W 0A2
CANADA

EVALUATION SUBJECT:

LONGBOARD CEILING SYSTEM



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Section: 09 54 00—Specialty Ceilings
Section: 09 54 23—Linear Metal Ceilings

REPORT HOLDER:

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EVALUATION SUBJECT:

LONGBOARD CEILING SYSTEM

1.0 EVALUATION SCOPE

Compliance with the following codes:

2018 and 2015 *International Building Code*® (IBC)

For evaluation for compliance with code adopted by the Los Angeles Department of Building and Safety (LADBS), see [ESR-4184 LABC Supplement](#).

Property evaluated:

Fire

2.0 USES

The Longboard Ceiling System is used as a decorative material in accordance with IBC Section 806 in buildings of any type construction.

3.0 DESCRIPTION

3.1 General:

The Longboard Ceiling System is made up of rectangular aluminum members (beams), coated with powder coating, suspended from overhead to create an overhead architectural decorative effect. The system consists of beams, angle sections, and hanger sections. See Figure 1.

3.2 Beams:

The beams are aluminum members fabricated from 6063 T5 aluminum. They are noncombustible in accordance with ASTM E136. With the powder coating applied, they have a flame spread index of less than 25 and a smoke-developed index of less than 450 when tested in accordance with ASTM E2768 (including E84). The beams with the coating applied are composite materials in accordance with IBC Section 703.5.2 and are acceptable

as noncombustible materials. The beams with coating also meet the requirements for a Class A interior finish in accordance with IBC Section 803.1.1. The members are available in 6 inches (152 mm) deep by 1.61 inches (41 mm) wide with a weight of 1.61 pounds per lineal foot (2.4 kg/m) and 4 inches (102 mm) deep by 1.61 inches (41 mm) wide with a weight of 1.23 pounds per lineal foot (1.8 kg/m). Lengths of the sections are available up to 24 feet (7315 mm). End caps are provided for each beam. The powder coating finish is available in various colors including those giving the aluminum section the appearance of wood. See Figure 2.

3.3 Angle Bracket:

The angle bracket is 1¹/₄-inch-by-1¹/₄-inch-by-³/₁₆-inch thick-by-1-inch-long (32 mm x 32 mm x 5 mm x 25 mm) and fabricated from 6063 T5 aluminum. See Figure 2.

3.4 Ceiling hanger track:

The ceiling hanger track is an “S” shaped section 3-inches-high-by-1¹/₂-inches-wide-by-⁵/₆₄-inch-thick (76 mm x 38 mm x 2 mm) and fabricated from 6063 T5 aluminum. It has a weight of 0.96 pounds per lineal foot (1.4 Kg/m). See Figure 2.

4.0 INSTALLATION

The Longboard Ceiling System must be installed in accordance with the IBC (Section 806.1[3 & 4]), this report, and the manufacturer's published installation instructions.

The cables/wires or rods used to support the system from the structure above, including the attachments of cables/wires or rods to the system, are provided by others and outside the scope of this report.

5.0 CONDITIONS OF USE

The Longboard Ceiling System described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 Installation must comply with the requirements of the applicable code, this report and the manufacturer's published installation instructions. In the event of conflict between this report and the manufacturer's published installation instructions, this report governs.

5.2 Design of the support for the Longboard Ceiling System, including hanger, cables/wires or rods used to support the system, and attachment of the hanger to the system, connections between hanger and cables/wires or rods, attachment between cables/wires or rods to the supporting structure above, is outside the scope of this report. Complete

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Section: 09 54 23—Linear Metal Ceilings

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EVALUATION SUBJECT:

LONGBOARD CEILING SYSTEM

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Longboard Ceiling System, described in ICC-ES master evaluation report [ESR-4184](#), has also been evaluated for compliance with the code noted below as adopted by the Los Angeles Department of Building and Safety (LADBS).

Applicable code edition:

2017 *City of Los Angeles Building Code* (LABC)

2.0 CONCLUSIONS

The Longboard Ceiling System, described in Sections 2.0 through 7.0 of the master evaluation report [ESR-4184](#), complies with the LABC Section 806, and is subjected to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The Longboard Ceiling System, described in this evaluation report must comply with all of the following conditions:

- All applicable sections in the master evaluation report [ESR-4184](#).
- The design, installation, conditions of use and identification are in accordance with the 2015 *International Building Code*® (2015 IBC) provisions noted in the master evaluation report [ESR-4184](#).
- The design, installation and inspection are in accordance with additional requirements of LABC Chapters 16 and 17, as applicable.

This supplement expires concurrently with the master report, issued April 2018.

ICC-ES Evaluation Report

ESR-4184 CBC Supplement

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EVALUATION SUBJECT:

LONGBOARD CEILING SYSTEM

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Longboard Ceiling System, recognized in ICC-ES master evaluation report ESR-4184, has also been evaluated for compliance with Sections 703.5, 803.1.1 and 806 of the code noted below.

Applicable code edition:

2016 *California Building Code* (CBC)

2.0 CONCLUSIONS

The Longboard Ceiling System, described in Sections 2.0 through 7.0 of the master evaluation report ESR-4184, complies with CBC Sections 703.5, 803.1.1 and 806, provided the design and installation are in accordance with the 2015 *International Building Code*® (IBC) provisions noted in the master report.

This supplement expires concurrently with the master report, issued April 2018.

ICC-ES Evaluation Report

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EVALUATION SUBJECT:

LONGBOARD CEILING SYSTEM

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Longboard Ceiling System, recognized in ICC-ES master evaluation report ESR-4184, has also been evaluated for compliance with the codes noted below.

Applicable code edition:

2017 *Florida Building Code—Building*

2.0 CONCLUSIONS

The Longboard Ceiling System, described in Sections 2.0 through 7.0 of the master evaluation report ESR-4184, complies with the *Florida Building Code—Building*, provided the design and installation are in accordance with the 2015 *International Building Code*® (IBC) provisions noted in the master report.

Use of the Longboard Ceiling System has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building*.

For products falling under Florida Rule 9N-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the master report, issued April 2018.