



ICC-ES Evaluation Report

ESR-4795

Reissued February 2023

This report is subject to renewal February 2024.

DIVISION: 05 00 00—METALS
Section: 05 10 00—Structural Metal Framing
Section: 05 12 00—Structural Steel Framing

REPORT HOLDER:

CC915, INC.

EVALUATION SUBJECT:

CC915 STRUCTURAL BUILDING MATERIALS

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018, 2015 and 2012 *International Building Code*® (IBC)
- 2021, 2018, 2015 and 2012 *International Residential Code*® (IRC)

Properties evaluated:

Structural - Materials

2.0 USES

CC915 structural building materials are used in custom designed, factory built, building modules transported to the jobsite to construct site specific buildings.

3.0 DESCRIPTION

CC915 Shipping Container Structures are site-specific, custom-designed, factory-built modules. The modules are transported to the jobsite and assembled to form a completed building. Shipping containers are used as the source of structural and non-structural building materials for constructing the modules. The steel structural building materials from the shipping containers and the quality control process for selecting shipping containers are the subject of this report. All other aspects of the modules are outside the scope of this report. The steel components of the shipping containers selected for use as structural building materials must be correlated to the appropriate ASTM International steel specification, and are suitable for use with the design provisions specified in the American Institute of Steel Construction Specification for Structural Steel Buildings (AISC 360) or the American Iron and Steel Institute North American Specification for the Design of Cold-Formed Steel Structural Members (AISI S100), as applicable. Steel used to fabricate the components, cross-

reference to the equivalent ASTM standard, yield strength, and tensile strength used for design shall be verified by the registered design professional.

4.0 DESIGN AND INSTALLATION

The structural building materials used in the building modules must be designed in accordance with the AISC 360 or AISI S100, as applicable. The design of the building module must be in compliance with the IBC, and installation of the building modules must be in accordance with the approved plans. The approved plans must be available at the jobsite at all times.

5.0 CONDITIONS OF USE

The CC915 structural building materials described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1** The scope of this report is limited to the evaluation (verification) of the reuse of intermodal shipping containers in the CIMC, Dong Fang, Guangdong Hyundia Mobis, Jindo facilities as a source of building materials. All other aspects of the building modules and the final structure, such as (but not limited to) structural design, plumbing and electrical are outside the scope of this report.
- 5.2** Where approved by the code official, the marks and existing data plates on the intermodal shipping containers are permitted to be removed before they are repurposed for use as buildings or structures or part of buildings or structures in accordance with Section 3115.3 of the 2021 IBC.
- 5.3** The design of buildings or structures with repurposed intermodal shipping containers conforming to ISO 1496-1 shall be in accordance with Section 3115.8 of the 2021 IBC.
- 5.4** Complete construction documents and calculations must be submitted to the code official for each specific project. The calculations and construction documents must be prepared and sealed by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed.
- 5.5** A copy of this report must be submitted in addition to all other required material when applying for a building permit.

5.6 The structural building materials are procured for use in the CC915, Inc. facility in El Paso, Texas under quality control programs with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

Documents in accordance with the ICC-ES Acceptance Criteria for Structural Building Materials from Shipping Containers (AC462), dated October 2018 (editorially revised September 2020).

7.0 IDENTIFICATION

7.1 Each CC915 Shipping Container Structure manufactured from shipping container materials shall be labeled with the CC915, Inc. name and address, and the evaluation report number (ESR-4795).

7.2 The report holder's contact information is the following:

CC915, INC.
500 WEST PAISANO DRIVE
EL PASO, TX 79901
(915) 222-8922
www.customcontainers915.com

DIVISION: 05 00 00—METALS**Section: 05 10 00—Structural Metal Framing****Section: 05 12 00—Structural Steel Framing****REPORT HOLDER:**

CC915, INC.

EVALUATION SUBJECT:

CC915 STRUCTURAL BUILDING MATERIALS

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that CC915 structural building materials, described in ICC-ES evaluation report ESR-4795, have also been evaluated for compliance with the code(s) noted below.

Applicable code edition(s):

- 2019 *California Building Code* (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2019 *California Residential Code* (CRC)

2.0 CONCLUSIONS**2.1 CBC:**

The CC915 structural building materials, described in Sections 2.0 through 7.0 of the evaluation report ESR-4795, comply with CBC Chapter 22, provided the design and installation are in accordance with the 2018 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapters 16, 17 and 22, as applicable.

2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

2.2 CRC:

The CC915 structural building materials, described in Sections 2.0 through 7.0 of the evaluation report ESR-4795, comply with CRC Chapter 3, provided the design and installation are in accordance with the 2018 *International Residential Code*® (IRC) provisions noted in the evaluation report and the additional requirements of CRC Chapter 3, as applicable.

This supplement expires concurrently with the evaluation report, reissued February 2023.