

Intermodal Shipping Containers



These shipping containers shall comply with the **2021 Arkansas Fire Prevention Code, Volume II, Section 3115**.

A survey, site plan along with all information listed below and required by the **Fort Smith Municipal Code, Section 6-28** shall be submitted for review.

Intermodal shipping containers shall bear an existing data plate containing the following information as required by ISO 6346 and verified by an approved agency. A report of the verification process and findings shall be provided to the building owner.

1. Manufacturer's name or identification number.
2. Date manufactured.
3. Safety approval number.
4. Identification number.
5. Maximum operating gross mass or weight.
6. Allowable stacking for for 1.8G.
7. Transverse racking test force (Newtons).
8. Valid maintenance examination date.

Wood structural floors shall be protected from decay and termites in accordance with the applicable provisions of Section 2304.12.1.1.

The space between the bottom of the floor joists and the earth shall be provided with ventilation in accordance with Section 1202.4.

Intermodal shipping containers that conform to ISO 1496-1 and are repurposed for use as buildings or structures, or as part of buildings or structures, shall be designed in accordance with Chapter 16 and this section.

Intermodal shipping containers repurposed for use as a permanent building or structure shall be supported on foundations or other supporting structures designed and constructed in accordance with Chapter 16 through 23.

Intermodal shipping containers shall be anchored to foundations or other supporting structures as necessary to provide a continuous load path for all applicable design and environmental loads in accordance with Chapter 16.

The structural design for the intermodal shipping containers repurposed for use as a building or structure,, or as part of a building or structure shall comply with Section 3115.8.4 or 3115.8.5.

All structural evaluations and designs shall be preformed by an Engineer licensed by the State of Arkansas.

2021 Arkansas Fire Prevention Code, Volume's I, II and III
Act 100 of 1991 - Earthquake Resistant Design
2014 Arkansas Energy Code
2018 Arkansas Plumbing Code
2018 Arkansas Fuel Gas Code
2021 International Mechanical Code
2020 National Electric Code
2021 NFPA Life Safety Code
2017 ICC A117.1