

**STATE OF MISSOURI
PUBLIC SERVICE COMMISSION
JEFFERSON CITY
July 18, 2001**

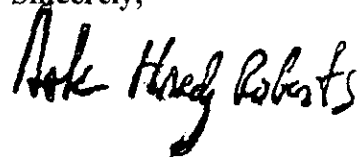
CASE NO: MX-2000-435

**Office of the Public Counsel
P.O. Box 7800
Jefferson City, MO 65102**

**General Counsel
Missouri Public Service Commission
P.O. Box 360
Jefferson City, MO 65102**

Enclosed find certified copy of a PROPOSED AMENDMENT in the above-numbered case(s).

Sincerely,

A handwritten signature in black ink that reads "Dale Hardy Roberts". The signature is written in a cursive, flowing style.

**Dale Hardy Roberts
Secretary/Chief Regulatory Law Judge**

Proposed Rules

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MX-2000-443

File 4—DEPARTMENT OF ECONOMIC
DEVELOPMENT
Division 240—Public Service Commission
Chapter 123—Modular Units

PROPOSED AMENDMENT

4 CSR 240-123.080 Code for Modular Units. This proposal amends the following sections of this rule: section (2); section (3) subsections (A) and (B); section (4); and adds new text in sections (5) through (7).

PURPOSE: This rule establishes the code for modular units and is amended to exhibit the correct reference to modular units; to reflect changes in code editions; and to clarify code compliance requirements.

PUBLISHER'S NOTE: The publication of the full text of the material that the adopting agency has incorporated by reference in this rule would be unduly cumbersome or expensive. Therefore, the full text of that material will be made available to any interested person at both the the Office of the Secretary of State and the office of the adopting agency, pursuant to section 536.031.4, RSMo. Such material will be provided at the cost established by state law.

(2) All [mobile] modular units shall be built in accordance with the FHA Structural Engineering Bulletin and FHA Minimum Property standards and be eligible for long-term financing under section 203(b) of the National Housing Act, 12 USC 1701.

(3) The structure shall be manufactured in accordance with the requirements of either subsection (3)(A) or (B) of this rule—

(A) BOCA National Building Code—[1987] 1999; [BOCA National] International Mechanical Code—[1987] 1998; [BOCA National] International Plumbing Code—[1987] 1997; National Electrical Code NFPA—[1987] 1999; and

(B) Uniform Building Code—[1988] 1997; Uniform Mechanical Code—[1988] 1997; Uniform Plumbing Code—[1988] 1997; National Electrical Code NFPA—[1987] 1999.

(4) All modular units shall comply with the CABO Model Energy Code—[1989] 1995.

(5) This rule incorporates by reference the full text of the material listed in items (3)(A) and (B), and item (4).

(6) All modular units shall meet or exceed the Seismic Zone requirements (one, two, or three, as defined in the applicable code in section (3) above,) for the area in which the modular unit is placed. Modular unit plans submitted by a manufacturer under 4 CSR 240-123.040 shall specify the Seismic Zone for which the unit is built as well as the location where the unit will be placed. If a unit is built for open placement throughout the state of Missouri, it must be built to Seismic Zone three requirements.

(7) Each modular unit shall bear a data plate affixed in a permanent manner near the main electrical panel or other readily accessible and visible location. Each data plate must be covered with a material that will make it possible to clean the data plate of ordinary dirt without obscuring the information. Each data plate shall include the following information at a minimum: name and address of manufacturer, serial and model number of the unit, date the unit was manufactured, code the unit was built to, Seismic Zone listing, name and address of third party engineering agency that reviewed and approved the plans submitted by the manufacturer under 4 CSR 240-123.040.

(8) All modular units manufactured on or after July 1, 1976, shall be set up or installed according to the manufacturer's installation manual.

AUTHORITY: section 700.010, RSMo [1986] 2000. Original rule filed Aug. 16, 1979, effective Dec. 15, 1979. Emergency amendment filed July 3, 1989, effective July 13, 1989, expired Nov. 9, 1989. Amended: Filed July 3, 1989, effective Nov. 1, 1989. Amended: Filed June 12, 2001.

PUBLIC COST: This proposed amendment will cost state agencies or political subdivisions less than \$500 in the aggregate.

PRIVATE COST: This proposed amendment will cost private entities less than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Public Service Commission, Dale Hardy Roberts, Secretary, PO Box 360, Jefferson City, MO 65102. To be considered, comments must be received within thirty days after publication of this notice in the Missouri Register. No public hearing is scheduled.

MX-2000-435
File 4—DEPARTMENT OF ECONOMIC
DEVELOPMENT
Division 240—Public Service Commission
Chapter 124—Manufactured Home [Tiedown]
Tie-Down Systems

PROPOSED AMENDMENT

4 CSR 240-124.010 Definitions. This proposal amends the following sections of this rule: section (1) subsections (A)–(D); adds a new subsection (E); and deletes section (2).

PURPOSE: This rule defines the terms used in this chapter and is amended to reflect the deregulation of recreational vehicles in addition to adding new definition text.

(1) The following definitions, as well as those set out in section 700.010, RSMo [1986] 2000 apply to this chapter:

(A) Approval means a written approval of a manufactured home tie-down system issued by the commission under section 700.080, RSMo [1986] 2000;

(B) Director means the director of the [Division of Manufactured Homes, Recreational Vehicles and Modular Units] Manufactured Housing and Modular Units Program of the Public Service Commission and those working under his/her supervision;

(C) Manufactured home as defined by section 700.010, RSMo [1986] 2000 shall include units which are in two (2) or more separately towable components designed to be joined into one (1) integral unit capable of being again separated into the components and also includes two (2) manufactured home units joined into a single residential or business unit which are kept on a separate chassis for repeated towing. Manufactured home shall not include a recreational vehicle; [and]

(D) Standards means the manufactured home tie-down systems standards adopted by the commission under section 700.076, RSMo [1986] 2000[.]; and

(E) Authorized representative means the approved testing agency who certified the tie-down system test.

[(2) All sections of chapter 700, RSMo 1986, cited in this rule are contained in Senate Substitute for House Committee Substitute for House Bill No. 1393, 78th General Assembly, Second Regular Session. Unless otherwise noted, all references to RSMo are to RSMo 1986.]

AUTHORITY: section 700.076, RSMo [1986] 2000. Original rule filed Nov. 12, 1976, effective Feb. 11, 1977. Emergency rule filed Dec. 7, 1976, effective Dec. 17, 1976, expired April 16, 1977. Amended: Filed Oct. 12, 1982, effective Jan. 13, 1983. Amended: Filed June 12, 2001.

PUBLIC COST: This proposed amendment will cost state agencies or political subdivisions less than \$500 in the aggregate.

PRIVATE COST: This proposed amendment will cost private entities less than \$500 in the aggregate.

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MX-2000-444

**Title 4—DEPARTMENT OF ECONOMIC
DEVELOPMENT
Division 240—Public Service Commission
Chapter 124—Manufactured Home [Tiedown]
Tie-Down Systems**

PROPOSED AMENDMENT

4 CSR 240-124.040 Commission Approval of Manufactured Home [Tiedown] Tie-Down Systems. This proposal amends the following sections of this rule: section (2) and adds new text as paragraphs (2)(E)1. through 7.

PURPOSE: This rule describes the manner in which an approval of manufactured home tie-down systems may be obtained and is amended to clarify text and to include new text concerning anchor tests and approvals.

(2) Applications for an approval shall be submitted to the director and shall be executed by the owner or seller of the system on forms [which] that shall be provided by the director upon request. To be complete, the applications shall include:

(E) A copy of the plans and specifications of the system for which the approval is sought[;].

1. Detailed drawings of each type of anchor system and for each type of component for which approval is sought must accompany the submittal.

A. Each drawing shall show model identification, all dimensions, types of welds or fastening, types of material, methods of securing strap, methods of attachment, orientation after installation in soil, direction(s) of applied load(s), and location of model number on the system and each component.

B. Each drawing shall bear the seal of a registered professional engineer, registered in the state of Missouri.

2. Each anchor system model must be tested and certified by an approved testing agency to be in conformance with the standards promulgated by the commission and accepted engineering practice.

A. Pullout tests shall be performed on three (3) samples of each anchor system model and the failure load for all three (3) tests must equal or exceed four thousand seven hundred twenty-five (4,725) pounds. The authorized representative must certify that three (3) pullout tests were performed on each anchor system model. The anchor shall be installed with the specified tie attached, in a soil type for which the anchor is designed and pulled at a forty-five degree (45°) angle. The device shall be set up as required by the installation instructions. The test report shall include a photograph or drawing. The load at failure and the type of failure shall be described. The anchoring system must be capable of meeting or exceeding

the Zone 1 wind load requirements of the federal Manufactured Home Construction and Safety Standards 24 CFR 3280.306.

B. Failure and ultimate load capacity tests shall be performed on three (3) samples of each component part and must also be witnessed by the authorized representative.

C. Laboratory destruction tests shall be performed on each anchor system model and the failure load must equal or exceed four thousand seven hundred twenty-five (4,725) pounds. These tests are needed to establish the required strengths of the components and component connections of an anchor. The anchor will be approved for all soil test probe values at or above the soil test probe value in which the anchor is tested.

3. The result from each test will indicate:

- A. Point and mode of failure;
- B. Force required for failure;
- C. Description of test procedure;
- D. Test equipment used.

4. The report of the results of the test in specified soil or rock groups will also include:

- A. Method of installation;
- B. Date of installation;
- C. Date of test;
- D. Soil profile description and soil test probe values.

5. The anchor manufacturer shall furnish and ship with each anchoring system, information on the types of soil in which the anchor has been tested and certified for installation, instructions on the method of installation, and procedure for identifying soil types. A copy of the installation instructions must be filed with the director.

6. The director, upon receipt of new or additional information relating to the performance of any anchoring system, or a similar anchoring system, may request from the manufacturer of that anchoring system, additional testing or supplemental information.

7. Rock anchors shall be tested in specified rock. Rock anchors shall be field-tested in natural rock strata or in a rock sample. There must be twelve-inch (12") minimum radius of rock around the drilled hole. The natural rock strata or rock sample must be geologically described;

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MX-2000-449

**Title 4—DEPARTMENT OF ECONOMIC
DEVELOPMENT
Division 240—Public Service Commission
Chapter 124—Manufactured Home Tiedown Systems**

PROPOSED RULE

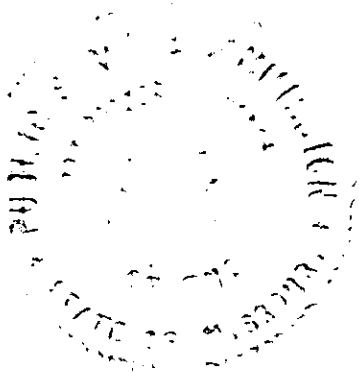
4 CSR 240-124.045 Anchoring Standards

STATE OF MISSOURI

OFFICE OF THE PUBLIC SERVICE COMMISSION

I have compared the preceding copy with the original on file in this office and
I do hereby certify the same to be a true copy therefrom and the whole thereof.

WITNESS my hand and seal of the Public Service Commission, at Jefferson City,
Missouri, this 18th day of July 2001.



Dale Hardy Roberts

Dale Hardy Roberts
Secretary/Chief Regulatory Law Judge