

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

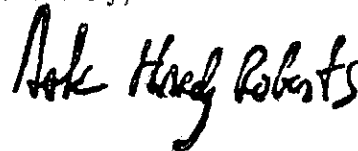
CASE NO: MX-2000-444

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**

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.

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.

FILED
JUL 18 2001
MX-2000-444
Title 4—DEPARTMENT OF ECONOMIC DEVELOPMENT
Division 240—Public Service Commission
Chapter 124—Manufactured Home [Tiedown] Tie-Down Systems
Missouri Public Service Commission

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

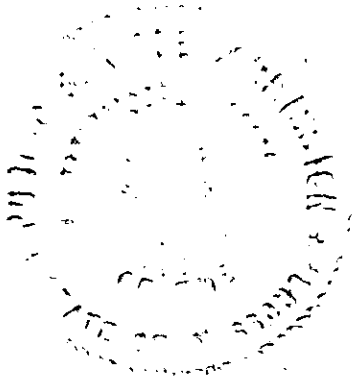
4 CSR 240-124.045 Anchoring Standards

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