LEGACY REPORT

2149

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The Subcommittee on Evaluation has reviewed the data submitted for compliance with the *Standard Building Code*©, the Florida Building Code-Building, the International One and Two Family Dwelling Code, and the International Residential Code and submits to the Building Official or other authority having jurisdiction the following report. The Subcommittee on Evaluation, ICC-ES and its staff are not responsible for any errors or omissions to any documents, calculations, drawings, specifications, tests or summaries prepared and submitted by the design professional or preparer of record that are listed in the Substantiating Data Section of this report. Portions of this report were previously included in Evaluation Report #9950.

REPORT NO.: 2149

EXPIRES: See the current EVALUATION REPORT INDEX

CATEGORY: FOUNDATION SYSTEMS

SUBMITTED BY:

THE ANCHOR POST COMPANY
21 MILL STREET
P.O. BOX 47
SEVILLE, OHIO 44273

1. PRODUCT TRADE NAME

1.1 Anchor Post
1.2 Storm Anchor

2. SCOPE OF EVALUATION

Structural

3. USES

The Anchor Post and the Storm Anchor are used as an adjustable column for wood framed and manufactured homes respectively.

4. DESCRIPTION

The Anchor Post and the Storm Anchor are steel fabricated assemblies consisting of adjustable columns, lateral braces, and connector plates. They function as adjustable support columns and storm anchors providing positive and negative load resistance. With the exception of the parts that connect to the existing structure, the Anchor Post and the Storm Anchor are identical.

The Anchor Post has adjustable saddle plates for nailing or bolting to 4½ to 7½ inch (114 to 191 mm) wide wood beams. The Storm Anchor is designed to fasten to standard I-beam frames. Major elevation adjustments are made using the scattered bolt pattern of the interlocking structural tubing. The cap plates can be rotated for additional elevation adjustments in increments of $^1/_{16}$ inch (2 mm) up to a maximum of 3 inches (76 mm). Vertical adjustments can not be made when the Anchor Post and the Storm Anchor are attached to the structure.

Lateral loads are resisted by adjustable diagonal tension members. The diagonal tension members are ½ inch (13 mm) diameter threaded rod and are fabricated from ASTM A 36 steel.

5. INSTALLATION

The manufacturer's published installation instructions and this report shall be strictly adhered to and a copy of these instructions shall be available at all times on the job site during installation.

The allowable loads are as noted in Table 1. The maximum allowable length for the Anchor Post and Storm Anchor is 51 inches (1295 mm).

TABLE 1
ALLOWABLE LOADS

Height	Vertical	Horizontal[1]	Uplift
≤ 45"	12.7k	3.1k	4.7k
45 - 51"	10.7k	3.1k	4.7k

SI: 1 inch = 25.4 mm; 1 pound = 4.4482 N
1. Maximum slope of the diagonal tension member is 1:2.

6. SUBSTANTIATING DATA

6.1 Manufacturer's descriptive literature and installation instructions.

6.2 Anchor Post and Storm Anchor Design and Detailing Report, prepared by Charles Lindbergh & Associates, Project No. L&A 20019, dated May 7, 2001, signed by Timothy Wayne Mays, E.I.T., signed and sealed by Charles Lindbergh, P.E.

7. CODE REFERENCES

Standard Building Code - 1999 Edition

Section 103.7	Alternate Materials and Methods
Chapter 16	Structural Loads
Section 2201	General - Steel
Section 2203	Structural Steel Construction
Section 2209	Material Standards

Florida Building Code-Building - 2001 Edition

Section 103.7	Alternate Materials and Methods
Chapter 16	Structural Loads
Section 2201	General - Steel
Section 2203	Structural Steel Construction
Section 2209	Material Standards

International One and Two Family Dwelling Code - 1998 Edition

Section 108	Alternate Materials and Systems
Section 301	Design Criteria
Section 401	General - Foundations

International Residential Code - 2000 Edition

Section R104.11	Alternate Materials, Design, and Methods of Construction and Equipment
Section R301	Design Criteria
Section R401	General - Foundations

8. COMMITTEE FINDINGS

The Subcommittee on Evaluation in review of the data submitted finds that, in their opinion, the Anchor Post and the Storm Anchor as described in this report conform with or are suitable alternates to that specified in the *Standard Building Code*, the Florida Building Code-Building, the International One and Two Family Dwelling Code, and the International Residential Code or Supplements thereto.

9. LIMITATIONS

9.1 Design calculations and installation drawings shall be submitted to the building official when applying for a permit. The calculations and drawings shall be signed and sealed by a registered professional engineer when required by the code.

9.2 The foundations and structural members to which the Anchor Post or the Storm Anchor are attached are outside the scope of this report. The connections between the Anchor Post or the Storm Anchor and foundation or structural members are outside the scope of this report. The foundation, structural members, and connections shall be designed for the appropriate loads.

9.3 The Anchor Post and the Storm Anchor systems shall be installed only by contractors licensed by The Anchor Post Company.

10. IDENTIFICATION

Each Anchor Post and Storm Anchor covered by this report shall be labeled with the manufacturer's name and/or trade mark, the SBCCI Public Safety Testing and Evaluation Service, Inc. initials (SBCCI PST & ESI) or seal, and the number of this report field identification.

11. PERIOD OF ISSUANCE

SEE THE CURRENT EVALUATION REPORT INDEX FOR STATUS OF THIS LEGACY EVALUATION REPORT.

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