



Safety & Buildings Division  
201 West Washington Ave.  
P.O. Box 2658  
Madison, WI 53701-2658

Approval # **201008-O**  
**FN 20109008**

## Wisconsin Building Product Evaluation

Material

DIAMOND PIER® DP50 PRECAST CONCRETE PIER FOUNDATION  
ASSEMBLY

Manufacturer

Pin Foundations Inc.  
5114 Pt. Fosdick Dr NW  
Building # E-60  
Gig Harbor, WA 98335

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### SCOPE OF EVALUATION

The Diamond Pier® DP50 Precast Concrete Pier Foundation assembly manufactured by PIN FOUNDATIONS, INC. has been evaluated against the structural provisions of the current **Wisconsin Uniform Dwelling Code (UDC)**. The Diamond Pier® DP50 Precast Concrete Pier Foundation assembly has been evaluated for use as a foundation for the support of gravity loads for exterior decks, including covered decks, elevated walkways and stairways regulated by the current **Wisconsin Uniform Dwelling Code (UDC)**

### DESCRIPTION AND USE

The Diamond Pier® DP50 Precast Concrete Pier Foundation assembly manufactured by PIN FOUNDATIONS, INC. consists of a factory-fabricated, diamond-shaped concrete pier that has a steel anchor bolt precast into the center of the top of the pier and precast holes for the installation of steel bearing pins. The steel bearing pins are jobsite-inserted through the precast holes and driven into the soil.

## **REPORTS AND RESULTS**

Data was submitted to ICC-ES in accordance with the ICC-ES Acceptance Criteria for Precast Concrete Pier Foundation Assemblies (AC336) dated October 2005 (Editorially revised December 2009). A 2010 Frost Performance Report for the DP50 Diamond Pier® was submitted.

## **WISCONSIN UNIFORM DWELLING CODE (UDC)**

For compliance with the current **Wisconsin Uniform Dwelling Code (UDC)**, use the ICC-ES Evaluation Report ESR-1895 Reissued December 1, 2009 (\*Revised February 2011), for Evaluation Scope, Uses, Description, Installation, Conditions of Use, Evidence Submitted and Identification of this product. The 2006 and 2009 International Residential Code (IRC) provisions referenced in the evaluation report are similar in scope and application to requirements under the **Wisconsin Uniform Dwelling Code (UDC)** provisions. The ICC evaluation report can be viewed at:

*[http://www.icc-es.org/reports/pdf\\_files/ICC-ES/ESR-1895.pdf](http://www.icc-es.org/reports/pdf_files/ICC-ES/ESR-1895.pdf)*

## **LIMITATIONS OF APPROVAL UNIFORM DWELLING CODE**

In order to be in compliance with the frost protection requirements of **Comm 21.16** of the current **Wisconsin Uniform Dwelling Code (UDC)**, the Diamond Pier® DP50 Precast Concrete Pier Foundation assembly shall utilize steel bearing pins that are at least 50” long.

The Wisconsin Building Product Evaluation Number must be provided when plans that include this product are submitted for review.

## **DISCLAIMER**

The department is not endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive or modify any code requirement not specified in this document.

## **EXPIRATION**

This approval will be valid through December 31, 2016, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department.

Reviewed by: JBS

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Approval Date: July 26, 2011      By: James B. Smith, P.E.  
Program Manager  
Bureau of Program Development