



Approval #

BP-042300002-BVP
(Replaces DIS-022306154)

Industry Services Division
4822 Madison Yards Way
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Wisconsin Building Product Evaluation

Material

PP237 and PP288 Push Pier Systems

Manufacturer

Supportworks, Inc.
11850 Valley Ridge Drive
Papillion, NE 68046

SCOPE OF EVALUATION

This report evaluates the use of two models of push piers for foundation support, designed, and manufactured by Supportworks, Inc. (Supportworks) used to provide lift to stabilize foundations of settling structures. The systems are an alternative to driven piles described in IBC 1810.3.1.4.

DESCRIPTION AND USE

Supportworks Models PP237 and PP288 push pier systems are used to underpin foundations of existing structures. Supportworks Push Piers provide vertical support and are intended to arrest settlement or strengthen existing foundations. Supportworks, Inc Push Piers are used to support both residential and commercial structures.

Models 237 and 288 push pier systems consist of an under-footing bracket, external sleeve, starter tube with friction-reduction collar, and push pier tubes with slip-fit couplings. The bracket is secured against and below the existing footing while pier sections are hydraulically driven through the bracket and into the soil below the foundation. Pier sections are added and driven until a suitable load resistance is achieved. The weight of the structure is then transferred through the foundation bracket and piers to competent soil stratum.

The PP237 and PP288 push pier systems are described in detail along with their product use, installation steps, and capacities in Supportworks' IAPMO Evaluation Report UES ER-289. A copy of that report can be found at: https://www.iapmoes.org/media/30865/er_0289.pdf.

TESTS AND RESULTS

Approval under IAPMO UES ER-289 was originally issued 01/16/2015 and evaluated the products for use to support foundations. The structural performance and properties of the push pier systems comply with the intent and provisions of the International Building Code (2009, 2012, 2015, 2018, 2021) and International Residential Code (2009, 2012, 2015, 2018, 2021).

Link to Supportworks' website for technical information & installs of this product is found at: www.onstableground.com

LIMITATIONS OF APPROVAL

Supportworks PP237 and PP288 push pier systems are subject to all limitations listed in section 2.0 of IAPMO UES ER-289 (link above).

All products must be used and installed per the manufacturer's installation instructions for the specific products. This evaluation is not a warranty or endorsement of these products as being safer or having met higher testing standards than similar products.

DISCLAIMER

This approval will be valid through 12/31/2028 unless manufacturing modifications are made to the product, or a re-examination is deemed necessary by the department. The Wisconsin Building Product Evaluation Number must be provided when plans that include this product are submitted for review. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Reviewed by: Jack A. Miller

Peer Review: JHL

Approval Date: 12/12/2023 By: Jack A. Miller
Commercial building plan examiner and product reviewer