



Approval #

BP-062300006-BVP
(Replaces DIS-022306203)

Industry Services Division
4822 Madison Yards Way
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Wisconsin Building Product Evaluation

Material

SmartJack® System

Manufacturer

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

SCOPE OF EVALUATION

This report evaluates the use of SmartJack® system for support of existing framing through the use of adjustable steel posts for axial load bearing conditions, designed and manufactured by Supportworks, Inc.

DESCRIPTION AND USE

Supportworks, Inc. SmartJack® system consists of a prefabricated concentrically-loaded adjustable steel column combined with steel beams, top and bottom brackets. The system is used to provide supplemental vertical support for framing systems.

The square steel tube column is field-cut to the required length. The cut end of the post shall be square and smooth to provide the desired axial load condition. Next the top assembly and bottom plate bracket are chosen based on the final assembly configuration considering the structure above, the soil conditions below, and the loading. The base plates shall bear on adequate soil using 16" x 36" steel base plate, an aggregate base using a 12" square plate, or a concrete foundation using 6" square plate capable of supporting the applicable design loads. The top threaded cap has an all-thread rod for up to 9 inches exposure. The all-thread rod shall be fully engaged through the thickness of the top bracket post cap. The rod is rotated to align with the top bracket so that a 0.25-inch diameter by 2.5" long bolt with matching nut may be installed to

inhibit further adjustment. Beams of 8' or 10' or 12' length of 4" square metal HSS with 0.120-inch wall thickness are optional.

TESTS AND RESULTS

Approval under IAPMO UES ER-713 was originally issued 02/16/2021 and evaluated the products for use as adjustable steel posts for use in axial load bearing conditions. The structural performance and properties of the SmartJack® system 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).

Supportworks, Inc. had obtained IAPMO UES approval ER-713 under metals fabrication category and a copy can be found at: https://www.iapmoes.org/media/30790/er_0713.pdf. Link to Supportworks' website for technical information & installs of this product is found at: www.onstableground.com

LIMITATIONS OF APPROVAL

Supportworks' SmartJack® systems are subject the all limitations listed in section 2.0 of IAPMO UES ER-713 (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: JLH

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