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**Wisconsin**  
Department of Commerce

Evaluation #

200616-O

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

## Wisconsin Building Products Evaluation

Material

Sill Plate Fastener  
"Flat Top Fastener"

Manufacturer

Atlas Tool & Die Works, Inc.  
4633 Lawndale  
Lyons, IL 60534

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### SCOPE OF EVALUATION

GENERAL: This report evaluates the sill plate "flat top fastener" manufactured by Atlas Tool & Die Works, Inc.

The **Comm** requirements below in accordance with the current **Wisconsin Uniform Dwelling Code for 1- and 2-family dwellings**:

- **Anchor Bolts:** The sill plate "flat top fastener" was evaluated in accordance with the requirements of s. **Comm 21.18(1)(c)3. and 4.**

The **IBC** requirements below in accordance with the current **Wisconsin Amended ICC Code**:

- **Anchor Bolts:** The sill plate "flat top fastener" was evaluated in accordance with the requirements of s. **IBC 2209.2.**

### DESCRIPTION AND USE

The sill plate "flat top fastener" is a one piece nut/washer fabricated from galvanized steel. The standard nut thread is ½-13 pitch for use with standard anchor bolts. The washer diameter range is 1-1/8 inch to 1-1/4 inch, and overall height is approximately 15/32-inch.

The sill plate is drilled to the outside diameter of the nut/washer, approximately 5/8-inch or larger. When a ½-inch diameter anchor bolt is used a 5/8-inch diameter hole is drilled but, a ¾-inch diameter hole is recommended for adjustment.

Standard anchor bolts can be installed deeper into the concrete foundation.

**TESTS AND RESULTS**

Pull through tests were conducted by KIEH Metallurgical Services using treated lumber.

**LIMITATIONS OF APPROVAL**

The limitations below are in accordance with the current **Wisconsin Uniform Dwelling Code for 1- and 2-family dwellings** and the **Wisconsin Amended ICC Code**:

- **Anchor Bolts:** The sill plate “flat top fastener” nut/washer shall be installed in accordance with the requirements of **s. Comm 21.18(1)(c)3.** and **4.** and the requirements of **s. IBC 2209.2.**

This approval will be valid through December 31, 2011, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The product approval is applicable to projects approved under the current edition of the applicable codes. This approval may be void for project approvals made under future applicable editions. The Wisconsin Building Product Evaluation number must be provided when plans that include this product are submitted for review.

**DISCLAIMER**

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Revision Date:

Approval Date: December 7, 2006

By: \_\_\_\_\_

Lee E. Finley, Jr.  
Product & Material Review  
Integrated Services Bureau