

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION RV-24

Effective December 1, 2003
Revised July 1, 2006

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation 3 years after the effective date.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

The WTI12, WTI14, WTE12, WTE14, WTI12A, WTI14A, WTE12A, WTE14A, TI12, TI14, TE12, TE14, ATI12, ATI14, ATE12, and ATE14 turbine roof ventilators manufactured by:

Air Vent, Inc.
4117 Pinnacle Point Drive
Suite 400
Dallas, Texas 75211
(214) 630-7377

will be acceptable in designated catastrophe zones along the Texas Gulf Coast when installed in accordance to manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

Air Vent, Inc. turbine roof ventilators are available in both externally or internally braced and galvanized steel or aluminum models. The turbines are available in two (2) sizes: 12 inch (**TAB12**) or 14 inch (**TAB14**) diameter base which is 19 inches or 18 inches in height, respectively, as the internally braced configuration and 21 inches or 20 inches in height, respectively, as the externally braced configuration. The turbines are available in 4 colors: Grey (ML), weathered wood (WW or W), black (BK or K), and brown (BR or B) and also with a 14 inch base. Turbine vents acceptable under this evaluation are as follows:

| Model Number | Manufactured Under |
|---------------------|---------------------------|
| WTI12/WTI14 | Air Vent, Inc. |
| WTE12/WTE14 | Air Vent, Inc. |
| WTI12A/WTI14A | Air Vent, Inc. |
| WTE12A/WTE14A | Air Vent, Inc. |
| TI12/TI14 | Air Vent, Inc. |
| TE12/TE14 | Air Vent, Inc. |
| ATI12/ATI14 | Air Vent, Inc. |
| ATE12/ATE14 | Air Vent, Inc. |
| TAB12/TAB14 | Air Vent, Inc. |

LIMITATIONS

Design Pressure: -145 psf

For all applications: The **WT112, WT114, WTE12, WTE14, WT112A, WT114A, WTE12A, TI12, TI14, TE12, TE14, ATI12, ATI14, ATE12, and ATE14** roof ventilators shall be installed on roofs with a minimum slope of 3:12 and a maximum slope of 12:12.

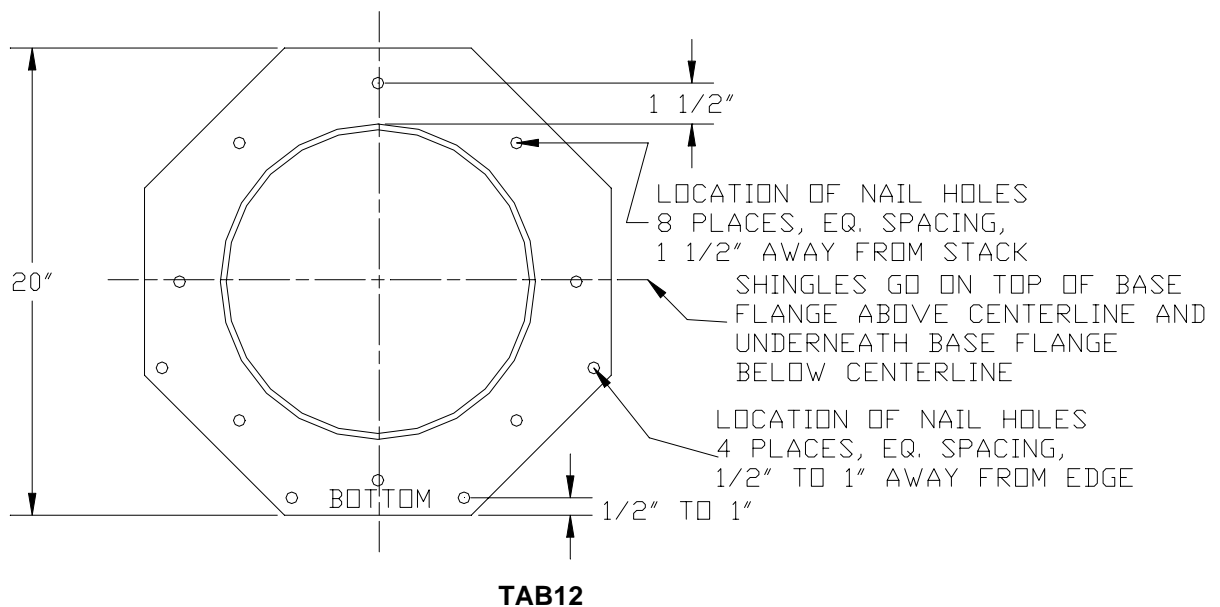
INSTALLATION INSTRUCTIONS

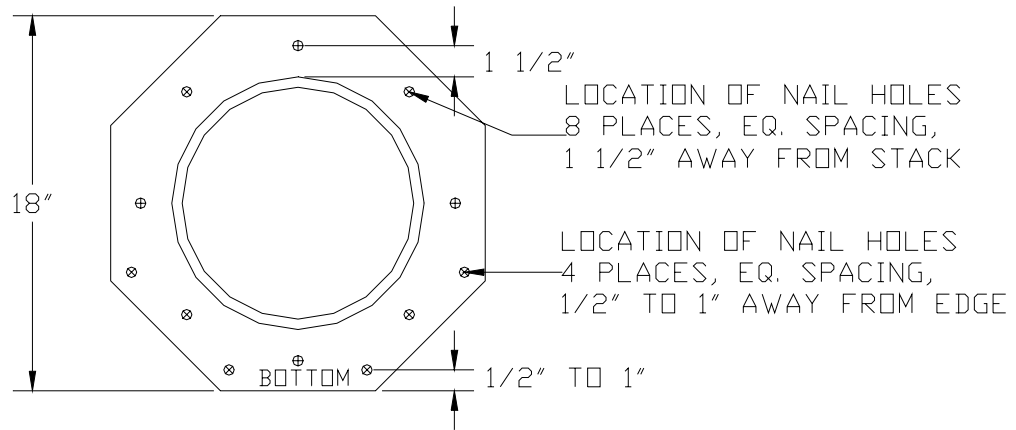
General Installation Instructions:

All requirements specified in the International Residential Code (IRC) and the International Building Code (IBC) must be satisfied and manufacturer's installation instructions followed, unless otherwise specified by this product evaluation.

Deck: The roof deck shall consist of wood structural panels with a minimum nominal thickness of $\frac{15}{32}$ inch.

Attachment of Vent: The base of the vent shall be attached to the deck with a minimum of twelve (12) roofing nails. The lower flange shall lay beneath the top layer of shingles and lay on top of the lower row of shingles. The first eight (8) nails shall be spaced equally about the lower flange $1\frac{1}{2}$ inch from the stack base. The remaining 4 roofing nails shall be placed at the four lower corners of the flange which is not covered by shingles approximately $\frac{1}{2}$ inch from the edge. Please refer to drawing shown below. The roofing nails shall be corrosion resistant $\frac{1}{8}$ inch in diameter smooth shank, 1 inch in length, with a 0.40-inch diameter head.





TAB14

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC).