

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION RV-85

Effective July 1, 2014

*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 **July 2018**.*

*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.*

**Deck-Air DA-4 Intake and Exhaust Vents**, manufactured by

**Lomanco, Inc.**  
**2101 West Main Street**  
**Jacksonville, AR 72076**  
**Telephone: (800) 643-5596**

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

## PRODUCT DESCRIPTION

The Deck-Air DA-4 vent is a plastic intake and exhaust vent that is installed along the edge or within the field of an asphalt shingle roof. Each Deck-Air DA-4 section has the following dimensions:

Length: 48"  
Width: 15  $\frac{1}{8}$ "  
Overall Height: 1"

## LIMITATIONS

**Design Pressure:** -195 psf

**Roof Slope:** This product shall be installed on roofs with a minimum roof slope of 3:12 and a maximum roof slope of 16:12.

## INSTALLATION INSTRUCTIONS

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

**Roof Deck:** The roof deck shall consist of plywood wood structural panels with a minimum thickness of  $\frac{15}{32}$  inch or solid wood planks, minimum Douglas Fir-Larch, with a minimum nominal thickness of 1 inch.

**Attachment of Vent to Roof Deck:** The vent shall be installed as specified in the manufacturer's installation instructions. Each vent is secured to the roof deck using minimum 2-1/2 inch long galvanized ring shank nails, with a minimum shank diameter of 0.125 inch and a minimum head diameter of  $\frac{3}{8}$  inch. The fasteners are provided with the vent. The fasteners are installed in the 10 nailing holes provided in the vent. Five fasteners are to be used on each side of the vent.

**Underlayment and Shingles:** Underlayment is installed over the vent under the next layer as required by the IRC, IBC, and the manufacturer's requirements. Starter course shingles and first course shingles are installed as required by the IRC, IBC, and the manufacturer's installation instructions. Do not nail into the ventilation area. The fasteners shall penetrate through the vent and into the roof deck.

**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), the International Building Code (IBC), and the Texas Revisions.