

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION RV-11

Effective November 1, 2005

*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 **Lomanco 730, 750, 750-G, 770, and 770D Roof Louvers** manufactured by

**Lomanco, Inc.**  
**2101 West Main Street**  
**Jacksonville, AR 72076**  
**(501) 982-6511**

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

**Lomanco 730, 770, and 770D Louvers.** These roof louvers are formed aluminum slant back sheet metal, vent assemblies, with the size and style varying based on the model number. The 770-D is a twin 770 off-ridge vent.

**Lomanco 750 and 750-G Louvers.** The 750 is an aluminum slant back roof louver that measures: 16 inches by  $20\frac{5}{16}$  inches by 5 inches. The 750-G is a galvanized slant back roof louver that measures: 16 inches by  $20\frac{5}{16}$  inches by 5 inches.

## LIMITATIONS ON CONSTRUCTION

TYPE	Model #	Size	Design Pressure (psf)
Roof Louvers (slant back)	<b>730</b>	12-3/16" x 17-3/4" x 4"	55
Roof Louvers (slant back)	<b>770</b>	16-5/8" x 22-3/8" x 6"	55
Roof Louvers (slant back)	<b>770D</b>	32-1/2" x 22-3/8" x 6"	55
Roof Louvers (slant back)	<b>750</b>	16" x 20-5/16" x 5"	+120 / -85
Roof Louvers (slant back)	<b>750G</b>	16" x 20-5/16" x 5"	72

## INSTALLATION INSTRUCTIONS

### **General Installation Requirements:**

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.

### **730, 770, and 770D:**

The **730, 770, and 770D** aluminum slant back vents shall be installed in accordance with the manufacturer's installation instructions with the following exceptions:

**Anchorage:** Nails shall be  $1\frac{1}{4}$  inch long, 0.125 inch diameter shank, helically deformed, aluminum roofing type with a 0.015 inch thick by 0.355 inch diameter head. The heads of the nails shall be sealed. DAP Black-Tite Asphalt Based Roof Sealant shall be used for all seals.

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

### **Nail Spacing:**

**730** - Nails are spaced 5 inches apart along the bottom of the vent and 7 inches along the sides for a total of 7 nails.

**770** - Nails are spaced 7 inches apart along the bottom of the vent and 8 inches along the sides for a total of 7 nails.

**770D** - Nails are spaced 7 inches apart along the bottom of the vent and 8 inches along the sides for a total of 14 nails (7 nails per vent).

### **750 and 750-G:**

The **750** and **750-G** slant back vents shall be installed in accordance with manufacturer's installation instructions with the following exceptions:

**Application:** The flashing is connected to plywood decking with seven (7)  $1\frac{3}{4}$ " x 0.120 diameter x  $\frac{3}{8}$ " head barbed shank roofing nails spaced  $1\frac{1}{4}$ " from each flashing corner edge and one (1) at center on all sides except louver back side. The roof vent is applied using Tropical 2100A asphalt (or equivalent) to seal the vent to the underlayment and shingles.

**Deck:** The roof deck shall consist of wood structural panels with a minimum thickness of  $\frac{11}{32}$  inch.

### **Nail Spacing:**

**750 & 750G** - A total of seven (7) nails are spaced around the vent. Nails are spaced 6 inches apart along the bottom of the vent and 8 inches apart along the sides of the vent.

**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).