



## Understanding the IBC 2009 Building Code A 2001 Co. WIND VENTED 3<sup>RD</sup> ROOF IS IBC BUILDING CODE ACCEPTABLE

The 2001 Co. Wind Vented Roof Systems MEET THE “Exception Criteria” for IBC Building Code Allowing 2001 Co. Wind Vented Roofs to be installed over two or more roofs as a third roof and over an existing wet roof.

The following paragraphs from the IBC Building Code are applicable to your local building code.

1. *Section 1510 reroofing*
2. *Section 1510.3 **Recovering versus replacement**. New roof coverings shall not be installed without first removing all existing layers of roof coverings down to the roof deck where any of the following conditions occur:*
  - a. *Where the existing roof or roof covering is water soaked or has deteriorated to the point that the existing roof or roof covering is not adequate as a base for additional roofing.*
  - b. *Where the existing roof covering is wood shake, slate, clay, cement or asbestos-cement tile.*
  - c. *Where the existing roof has two or more applications of any type of roof covering.”*

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Therefore, the 2009 IBC International Building Code clearly states when two or more roofs of any type exist on a building everything must come off down to the roof deck and all new insulation to R value and positive slope to drain rain water requirements of your state building code along with a new waterproofing membrane be installed. (Thus, tear off and install all new could cost \$6 to \$20 per square foot cost to reroof a building)

2001 Company has a unique advantage in reroofing because there is an exception in the IBC Building Code that allows existing roof systems to stay in place if the loads can be transferred to the structural deck in **Section 1510.3 Exceptions:**

*“Complete and separate roofing systems, such as standing-seam metal roof systems, that are designed to transmit the roof loads directly to the building’s structural system and that do not rely on existing roofs and roof coverings for support, shall not require the removal of existing roof covering.”*

The patented 2001 Co. Co. Wind Vented Roof Assemblies transmit the roof loads, wind uplift, snow, rain weight, etc. directly to the building's structural system and do not rely on existing roofs and roof coverings for support.

Therefore, the 2001 Co. Company Wind Vented Roof systems meet the IBC 2009 criteria and qualify to be **the Exception to the IBC code Section 1510.3** (similar to a metal roof) and, as such, do not require the removal of existing wet roofs or multi-roof systems.

For further information, please contact Tom Kelly (Cell 203-232-3724) or Ron Streich (Cell 203-232-4750) or you can call our Main Offices at 800-537-7663.

## **IBC International Building Code Attached**

The 2001 Co. Wind Vented Roof System has been proven to dry an existing wet roof similar to how a peaked roof with drip edge/soffit ventilation that provides a controlled air exchange under the roof deck to be vented out the ridge vent.

The 2001 Co. Wind Vented Roof System "Equalizer Valves"© are strategically place in wind uplift vortex intensity zones along a low-sloped roof perimeter edge.

Wind into a building perimeter edge creates an intense low pressure vortex (laying down tornado) along the perimeter edge of the roof around the "Equalizer Valves"© causing the roof assembly to be vacuum-packed to the roof deck.

This wind generated low pressure in a roof assembly causes water to vaporize.

Additionally, the "Equalizer Valves"© on the non-windward sides of the building allowing for a 2 to 3% leakage of air into the roof assembly to cause a controlled air exchange under the 2001 Co. Wind Vented Roof Membrane to be exhausted out the "Equalizer Valves"© on windward side of the building.

Thus, moisture entrapped in a flat roof is now exhausted continuously self-drying the roof assembly similar to a peaked roof soffit and ridge ventilation system.

2001 Co. flat roof self-drying criteria meets the IBC Building Code criteria in Section 1510.4 to dry an existing wet roof assembly.

For additional information, call 2001 Co. or visit our website at [www.2001Company.com](http://www.2001Company.com)

*Mailing Address: P.O. Box 2557, Waterbury, CT 06723-2557*  
*Shipping Address: 325 Thomaston Avenue, Waterbury, CT 06702*  
Tel: (203) 575-9220 ● Fax: (203) 573-0781 ● [www.2001Company.com](http://www.2001Company.com)