

Get a New Roof that Pays You Back

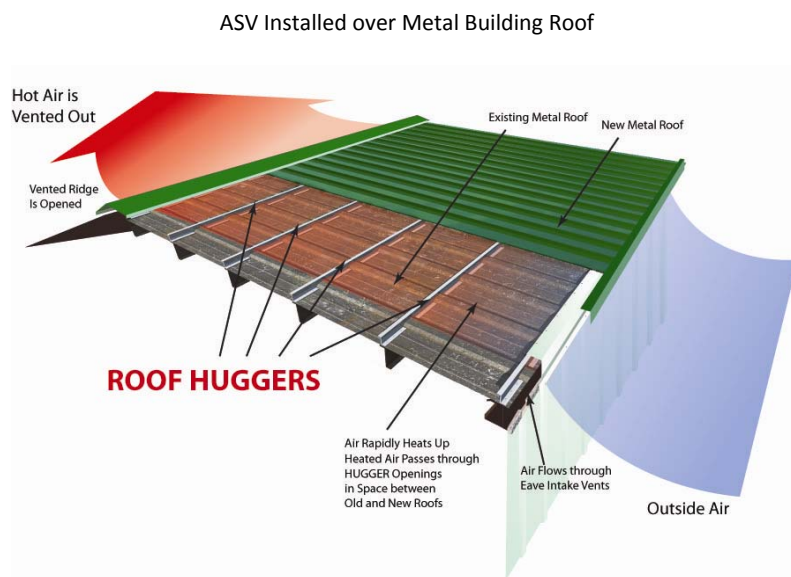
ENERGY SAVING RE-ROOFING TECHNOLOGIES

Above Sheathing Ventilation, or "ASV", is not a new technology it's just been improved. Case studies and real-world laboratory tests confirm these systems reduce energy consumption by more than 20%. In addition, by using a 40-plus year new metal roof you significantly reduce other building expenses related to roof maintenance and wind/hail storm insurance premiums.

WHAT'S EVEN MORE IMPORTANT TO YOU is due to the recent Federal Economic Stabilization Act of 2008, Commercial Building Owners are now eligible to cash in on the major Tax Benefits of these Energy Efficient roof systems.

Add the Savings in Energy Consumption to the Tax Deductions and reduced roof maintenance and **YOU GET A NEW ROOF THAT PAYS YOU BACK**

Roof Hugger®-Patent No. 5367848



What you get with an ASV System:

- PROVIDES SIGNIFICANT ENERGY SAVINGS
- QUALIFIES FOR EPACT 2005 TAX BENEFITS
- ELIGIBLE FOR IRS SECTION 179D DEPRECIATION
- CAN BE INSTALLED OVER ANY TYPE OF EXISTING METAL ROOF
- VIRTUALLY ELIMINATES ROOF MAINTENANCE
- ROOFS ARE WIND/HAIL STORM RESISTANT
- SUSTAINABLE
- GREEN AND LEED™ QUALIFIED
- MOST MATERIALS ARE MADE FROM RECYCLED MATERIALS
- ROOFS ARE AVAILABLE IN MANY COLORS
- IMPROVES AESTHETICS OF ANY BUILDING
- USES A PATENTED ROOF HUGGER SUB-PURLIN

For more information, contact:

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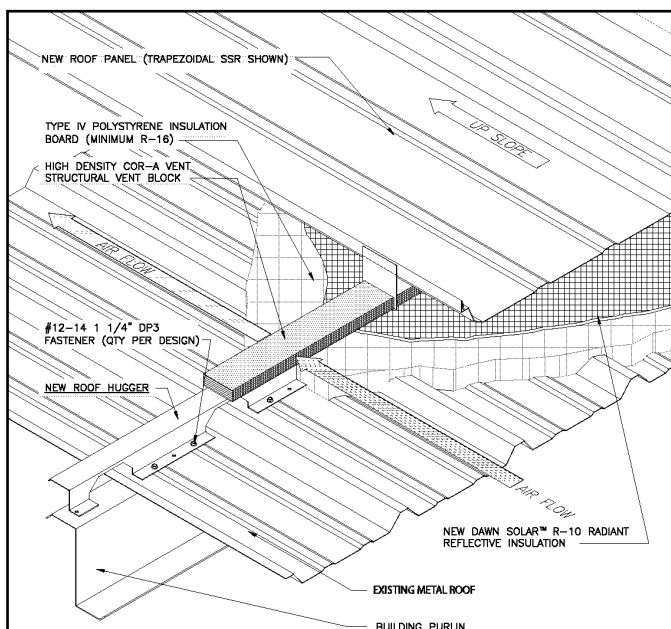
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ROOF HUGGER® RE-ROOFING TECHNOLOGIES

SYSTEM APPLICATION

ASV systems can be installed over existing metal roofs from thru-fastened ribbed panels to standing seam systems with or without floating stand-off clips and thermal spacers. The Roof Hugger® “Nested” sub-purlin is a patented design that is manufactured to accommodate any roof profile regardless of panel depth or major/minor rib spacing. The assemblies can include added fiberglass or rigid insulation for greater thermal resistance.



ASV installed over metal roof with Cor-A-Vent™ strip and rigid insulation between existing and new roofs

SYSTEM DYNAMICS

How do ASV systems work? Fresh air is introduced to the cavity between the old and new roofs through ventilation at the low-eave of the building. When the sun heats the new metal roof, the cavity air becomes less dense. Because of this, the air becomes more buoyant and therefore begins to move upward at the immediate underside of the new metal roof. The air is then exhausted at the high point of the roof (ridge, etc.) through convection. The end result is the system creates an insulating barrier of air between the two roofs.

Many ventilation products are available that accommodate these applications and the system has

the natural ability to dissipate any moisture caused by condensation as well as aiding in the elimination of mold growth.

SYSTEM PERFORMANCE

The ASV system has been tested under real-world conditions at Oak Ridge National Laboratories in Oak Ridge, Tennessee. Results indicate that the system reduces the heat radiation through the roof assembly a minimum of 30% and as much as 45% when a new roof is installed that has a “Cool-Rated” coating. In addition, this cavity air represents an R-Value of 0.85 per 1” of depth, thus increasing the overall roof assembly’s thermal resistance. Depending on the profile of the existing roof, most cavities are no more than two-inches deep. To increase the energy efficiency even more, rigid or fiberglass insulation can be added to the cavity, but it is important to note that a minimum of 1” must be provided above the insulation to allow for adequate airflow. In some cases, a simple radiant barrier can be installed atop the existing roof to increase the assembly’s energy efficiency. Effectively, an ASV system reduces heat gain in the summer and reduces heat loss in the winter.

TAX BENEFITS

Under the conditions of the Energy Policy Act of 2005, commercial buildings that improve their energy efficiency are eligible for tax deductions as allowed by Section 179D of U.S. Tax Code. These deductions were extended through December 31, 2013 as a result of the Economic Stabilization Act of 2008. The amount deductible may be as much as \$1.80 per square foot of building floor area for buildings that achieve a 50% reduction in energy and power costs. For buildings achieving less than 50%, a deduction of 60 cents per square foot of building floor area for buildings that achieve a minimum reduction in energy and power costs of 16²/₃ percent. Consult your Tax Professional for specific details.