JM Insulation Project Showcase

JM Product Trifecta Results in a Stylish, Affordable, Net-Zero Energy Home

VISION House Tucson

photo credit: lathamarchitectural.com

Description: Imagine a world in which the average American family can affordably and comfortably live in a green home. That's exactly what VISION House® Tucson achieved with its Park del Sol-neighborhood home, just minutes from downtown. The home is optimized for performance and includes the most-efficient features, materials and technologies available on the market, including three JM insulation products.

Challenges: VISION House Tucson didn't just seek to create an energy-efficient home; it sought to create a Net-Zero home, without sacrificing style or increasing the cost of ownership. In Arizona's notoriously arid, desert climate, that task becomes all the more ambitious, necessitating the proper techniques and highest-quality materials.

Solution: In conjunction with green building champions John Wesley Miller and Ron Jones, Green Builder Media turned to Johns Manville to provide a customized insulation solution to meet their lofty energy-efficiency goals. The concrete walls of the home were wrapped with a 2-inch layer of rigid Johns Manville AP™ Foil-faced Polyiso Foam Sheathing for continuous insulation around the exterior of the home. In the attic, JM Corbond III® Spray Foam Insulation was sprayed onto the attic floor and JM Climate Pro® Formaldehyde-free™ Insulation was then blown-in to achieve an R-value of 51.

The myriad of products allows the VISION House's future homeowners to rest assured that the home is safe, healthy and durable, and that energy and maintenance costs will be much lower than a conventional home.

Location:
Tucson, Arizona
(Park del Sol neighborhood)

Building Owner:
Green Builder Media

Architect:
Ron Jones

Design-Builder:
John Wesley Miller Companies

JM Insulation Solution

Johns Manville AP™ Foil-faced Polyiso Foam Sheathing, JM Corbond III® Spray Foam Insulation and JM Climate Pro® Formaldehyde-free™ Insulation