R-CONTROL SIPs

SIP No. 2046

Subject: **Roof Ridge Detailing**

Date: **November 2007 (Revised January 2015)**

Standard R-Control SIPs roof ridge details provide for a tight and sealed design. R-Control SIP roof ridge details rely on the tight fit of all component materials, the liberal and specific location application of R-Control Low VOC Do-All-Ply sealant and the proper placement of SIP Tape or vapor retarders.

There may be special conditions or difficult project applications that require additional considerations to enhance the long-term performance of the roof ridge. These special conditions may be: steeply sloped roof planes, converging multiple roof slopes, hard to access work areas on the roof, ill fitting roof panels caused by miss set beams, purlins, walls or miss cuts of the SIP roof panel.

When SIPs do not fit tightly at the roof ridge, they may be difficult to seal properly with R-Control Low VOC Do-All-Ply. Undue levels of moisture can then invade these non-sealed areas over time, eventually causing damage to the SIP and other components of the structure. Field applied expanding foams help to insulate roof ridge spaces, but do not provide adequate protection against moisture passage and build up.

Therefore, it is essential to follow exactly all application recommendations for R-Control SIP roof ridge installation.

If it is determined that project conditions could possibly compromise the integrity of the roof ridge detail, the installation of a ventilated roof over the R-Control SIP is recommended.

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