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SPECIFIERS' SOLUTION



SIPs Good to the Last Drop

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A total of 11,236 sq. ft. of structural insulated panels provided the long spans needed for the curved rotunda at Weld County Middle School in Severance, Colo. They were quickly and easily secured in place, providing a continuous wood surface without thermal breaks. An efficient installation that helped the project meet the required R-values was complete in 45 minutes.

SIPs Good to the Last Drop

CHALLENGE: Install a curved rotunda at Weld County Middle School in about as much time as it takes to finish a latte.

CRITERIA: The firm was looking for a solution that offered design flexibility and material cost savings.

INFLUENCES: The school, located in Severance, Colo., was designed by RB + B Architects. The rotunda roof and two-story gable roofs at Severance Middle School presented some special design challenges. "There were large vaulted areas and we wanted to cut down on the number of bar joist supports where there is exposed structure," explains architect Rebecca Spears of RB + B Architects.

SOLUTION: Spears specified ACH Foam R-Control Structural Insulated Panels (SIPs) to frame unique architectural features on roof sections of the Weld County Middle School. "The SIPs provided the long spans we needed," says Spears. "Secondly, SIPs offered ample nailing surface for the installation of the beetle-kill pine decking used for the ceiling in each of these areas."

This was the first R-Control SIPs project for general contractor Roche Construction. According to Greg Gabler of subcontractor Precision Panel Colorado, Roche was impressed with how quickly and tightly the SIPs could be

laid in place. "The school district was very excited about the energy efficiency that the panels would provide," Gabler says. "The 8.25-in. and 12.25-in. panels were quickly and easily secured in place, providing a continuous wood surface without thermal breaks."

Crew members installed over 1,500 sq. ft. of R-Control roof panels in approximately 45 minutes. "The R-Control SIPs provided our customer with a great product that met their required R-Value and at the same time allowed us to accomplish an extremely efficient installation," Gabler says. A total of 11,236 sq. ft. of structural insulated panels were used in the project. Visit achfoam.com or Circle 437



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