

Case Study: Educational facility won't settle for anything less than the toughest roofing material it can find



Description: In any given year there is a reroofing or roof maintenance project underway on one of the 161 facilities that make up the Albuquerque Public School System – 90 elementary, 27 middle and 14 high schools, plus alternative and charter schools. “That’s a lot of roofing – over 11 million square feet – to keep in tip-top shape,” says Pamela Gow, Roofing Division Manager in the Facilities, Design & Construction Department of APS. Classrooms are filled with area children seeking an education and the opportunities an education provides. But some go to extremes, taking unorthodox measures to get the most out of their education... and educational facilities, particularly at Albuquerque High School.

Challenges: These active kids have taken to the roof for skateboard competitions – certainly not a school-sanctioned extracurricular activity, says Gow. “Round-the-clock security is in place to deter these activities and keep the kids safe. I am personally charged with keeping the roof in good repair, so when I say I need to be able to play hockey up there, what I mean is that this roof has to be a tough performer, able to withstand not only the temperature fluctuations of our high desert environment, but it must stand up to these creative students, as well.”

Solution: WWRC General Contractors and roofing contractor Newt & Butch met this challenge with a Johns Manville five-ply built-up roof. Two gymnasiums and an adjacent wing of classrooms accounted for a total 673,000 square feet of material. Most of the substrate was steel, but where lightweight concrete was encountered, APS specified an additional layer of GlasPly Premier. Reflective, white GlasKap CR cool roof cap sheet blanketed the entire job. “The result, says Gow, “is a good-looking high-performance surface that will present a lot fewer headaches down the road. I count that a real success!”

Location:

Albuquerque, New Mexico

Building Representative:

Albuquerque Public Schools
Pamela Gow, Roofing Division Manager
Facilities, Design & Construction

General Contractor:

WWRC Inc.
Ricky Wilson, President
Scott Hayes, Vice President

Contractor:

Newt & Butch Roofing
Alva L. Wilson, President
Danny Smith, Regional Superintendent
JM Peak Advantage® Contractor

Roofing System Solution:
5GIC CR / 5GLC CR

20-Year Peak Advantage® Guarantee

- ENRGY 3® Roof Insulation
- UltraFast® Pre-Assembled Fasteners
- 1" Fesco® Roof Board
- GlasPly® Premier (5 plies)
- GlasKap® CR Cool Roof
- DynaLastic® 180 S Flashing Sheet

