

2007 METAL ARCHITECTURE
DESIGN AWARDS

BUILDINGS WINNER

NORTH TEMPE MULTI-GENERATIONAL CENTER

TEMPE, ARIZ.



Architect	Michael Wilson Kelly-Architects Ltd., Tempe
General Contractor	Okland Construction Inc., Tempe
Metal Building System Mfr.	VP Buildings, Memphis, Tenn.
Erector	Arizona Building Systems, Phoenix
Metal Roofing Mfr.	VP Buildings; Behlen Building Systems, Columbus, Neb.
Metal Wall Panel Mfr.	MBCI, Houston
Metal Roofing and Wall Panel Installer	Arizona Building Systems



North Tempe Multi-Generational Center is a joint-use facility with the adjacent Laird Elementary School. It provides cultural, social, recreational and educational programs to an under-served area of Tempe. The building program was for a 30,000-square-foot structure to serve all age groups while acting as a beacon of opportunity. As part of the City of Tempe's Quality Initiative for Buildings, the facility was required to be "Sustainable by Design", but as a municipal project, budget constraints were strict.

The use of metal building systems met all budget and design requirements. The facility is comprised of four building regions. Three, which include the west classroom and activity wing, gym, and early education wing, were separate pre-engineered steel buildings. The fourth, the Great Hall, connects the others and creates distinctive entrance courts. In response to the desert environment, 8 1/2-inch-deep zee purlins were specified to allow for R-30 batt insulation in the roof, while 6-inch-deep horizontal wind girts facilitated R-19 wall insulation.

Topping the buildings are a combination of 28,228 square feet of VP's SLR 2-inch standing-seam panels, made of 22-gauge Galvalume steel; and 5,143 square feet of curved 3-inch corrugated Galvalume steel panels from Behlen. MBCI provided 3/4-inch PBD and PBU panels in Galvalume steel for the soffits. On the walls, conventional masonry was blended with PBD panels for optimum aesthetics and low maintenance.

Perforated Galvalume steel U panels were used on the interior gym walls, Great Hall ceilings and low entry canopies for sound absorption and control. The deep roof overhangs and trellises animate the building with shadow effects.



Photos by Bill Timmerman



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