



Project Report: School

PROJECT:

Pomerado Elementary School
Poway USD, CA

ARCHITECT:

NTD Architecture
San Diego, CA

ROOFING CONTRACTOR:

Sylvester Roofing
Escondido, CA

PROJECT TYPE:

School Remodel

This school project involved the remodel of existing buildings and the adding of some new buildings. The existing buildings had plywood decks, a built-up roof system with a gravel surface. The school district wanted to lower energy costs but aware of the rigors a school building can be subjected too needed a strong flexible roof system.



THE SYSTEM CHOSEN WAS MALARKEY'S M₃-WI-DDB-M WITH AN 801/802 ACRYLIC COATING:

1. **SUBSTRATE:** Wood deck with tapered polyisocyanurate insulation mechanically attached to the wood deck.
2. **BASE SHEET:** #603 Superbase™ SBS base sheet mechanically attached through the insulation to the wood deck.
3. **PLY SHEET:** #603 Superbase™ SBS base sheet adhered in #727 modified cold adhesive to the base sheet.
4. **CAP SHEET:** #601 SBS Cap Sheet adhered in #727 modified cold adhesive to the ply sheet.
5. **SURFACING:** One coating each of #801 and #802 white acrylic coating to provide a highly reflective cool surface.

The use of an SBS rubberized multi layer roofing system provided the school district with proven strength, flexibility and longevity. The system is adhered in modified cold adhesive alleviating the odors sometimes associated with hot asphalt installation.