

# RETROFIT METAL ROOFING PROJECT



**Before** (Classroom-shingles, Gym-flat roof)



**Gym with framing to add slope**



**Classrooms during construction**

## ROOF SIZE:

60,000 square feet

## ORIGINAL ROOF DESCRIPTION:

- Flat built-up and sloped shingle
- Bar joist and metal deck
- Minimal insulation

## ORIGINAL ROOF PROBLEMS:

- Blistering
- Saturated insulation
- Severe leaking problems

## SOLUTION:

- Fully engineered roof system
- Sloped steel sub-framing system with variable pitch
- Gable and valley roof design
- No existing roof removal
- 6" fiberglass insulation added to gym
- Exterior gutters and downspouts
- Attached roofing system to structural roof elements only
- 24 gauge standing seam roof panels with flat pan and 2" vertical rib - galvalume over gym and painted over classrooms

## BENEFITS:

- 20 year manufacturer's material and weather-tightness warranty
- Sloped roof eliminates ponding
- Proper ventilation eliminates moisture in original roof system
- All water sloped to perimeter of the building
- Without removal of existing roof, work proceeded while school was in session
- Greatly increased thermal performance due to added insulation and reflective surface of steel panel
- Annual repair and replacement costs eliminated
- NO MORE LEAKS!



LANDIS  
100 Cold Water Street • Landis, NC  
**Call 704.857.1171**

ASHEVILLE  
4075 Haywood Rd. • Mills River, NC  
**Call 828.890.5006**

Visit: [www.LafavesMetalRoofing.com](http://www.LafavesMetalRoofing.com)