

RETROFIT METAL ROOFING PROJECT



Existing ponding, leaking roof



Sub-framing in place



Roof under construction

ROOF SIZE:

96,000 square feet

ORIGINAL ROOF DESCRIPTION:

- Flat built-up
- 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 1/2":12" pitch
- Gable and valley roof design
- No existing roof removal
- 6" fiberglass insulation added
- Exterior gutters and downspouts
- Attached roofing system to bar joist only
- 24 gauge Galvalume® standing seam roof panels with flat pan and 2" vertical rib, Kynar paint on exposed surface

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!



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