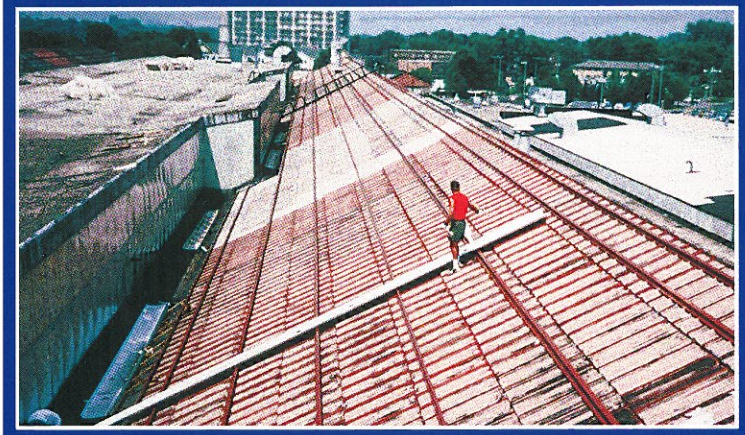
PROBLEM:

The Anderson Mental Health Center's roof was beyond repair. Three interconnecting buildings were plagued with so many leaks that patching wasn't even a consideration. The roofing felts and flashings contained asbestos, compounding the problem



This Ford assembly plant had 260,000 square feet of uninsulated roof area covered with failing concrete roof tiles. The plant required a roof retrofitting that would not disrupt the assembly operation below. Reducing energy costs was also a significant consideration.

After numerous patch jobs and significant maintenance, this single-ply rubber roof installed over a school gymnasium failed in less than 10 years. Much of the insulation became saturated with water and had lost its effectiveness.

SOLUTION:

A VSR™ architectural standing seam roof and slope build up system by Butler was used to add pitch and enhance the appearance. Energy savings resulted from the addition of new insulation. The project was completed while the clinic remained completely operational.

Ford chose a MR-24® standing seam metal retrofit roof system by Butler. The new MR-24 retrofit system utilized z-shaped sub-purlins for attachment to the existing roof tiles. A layer of 4" fiberglass insulation was installed under the new roof panels providing significant long-term energy savings.

The gymnasium was reroofed with a complete Butler retrofit system that includes a MR-24® standing seam metal roof system installed on a structural slope build up system that added pitch to the existing flat roof. To lower the schools ongoing energy costs, a total of 9" of blanket insulation was added.