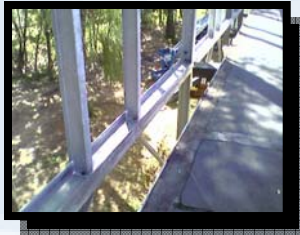
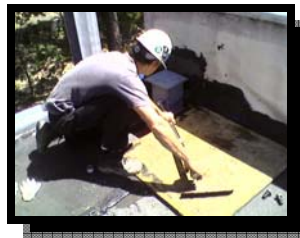
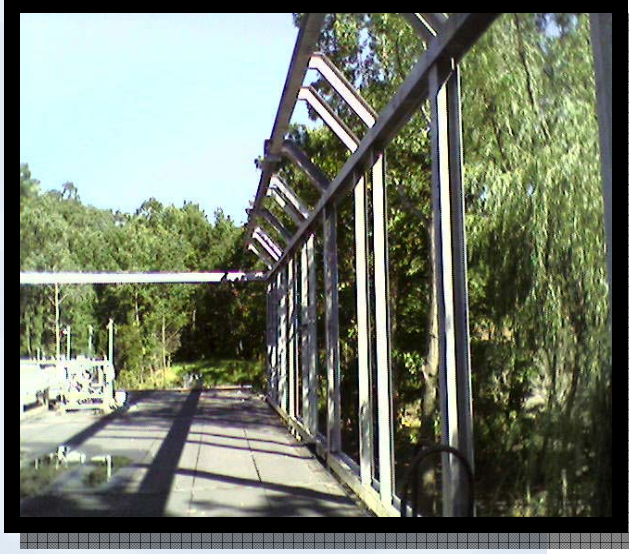


Structural Design of Acoustic Barrier Wall at the Cedar Knolls Facility



Design Data

Owner

Zimmer TMT

Location

Cedar Knolls, New Jersey

Total Project Cost

\$738,000.00

An existing client was required by OSHA to lower the night time decibel level at the property line for their manufacturing plant. The solution was to erect a thirty-two foot high acoustical barrier wall to block equipment noise from a newly zoned neighboring residential development. PCI coordinated the sound measurement tests required. We prepared the zoning and site plan approval package to obtain Township approval for the project. Our firm then provided structural design and specifications for the construction of a new structural steel framework with acoustical wall panels to be mounted on the frame just outside the exterior masonry wall. Wind load bracing for the project penetrated the roof to the top of existing building columns.

PCI completed the construction administration for the project.

PCI
Professional Consulting, Inc.

Consulting Engineers