



CREATIVE

CREATIVE: DETERIORATED TOWER ACCURATELY RECREATED

"This precast restoration project is an 18-foot tower high atop the Naples Central School District building," according to Joseph A. Schmadel, president, Sun Precast Co. Inc. in Beaver Springs, Pa. "It was originally erected in the 1930s." Due to years of deterioration in the harsh New York elements, the original structure was in a state of disrepair. The scope of the project included the complete replacement of the existing precast tower structure as well as the 4-foot-tall urns. "The new precast was fabricated to replicate the original exposed-aggregate finish, while maintaining the historical integrity of the intricate architectural details,"

says Schmadel. To complete the restoration process, aggregates were carefully sourced and selected in the mix design development process so as to properly match the original architecture.

"The replacement architectural precast is an identical replication of the original tower," explains Schmadel, "but to improve long-term durability of the structure, the new precast was engineered to be thinner than the original pieces, which reduced the weight load bearing on the building."

The tower remains today a focal point in the town of Naples, N.Y. Hunt EAS of Horseheads, N.Y., was the architect for the project.