



Shabonna Middle School is a 2-story steel frame building with masonry cavity exterior walls. These walls consist of a brick veneer, a drainage cavity, extruded polystyrene insulation, and CMU back-up.

Shortly after construction of an addition to the original building, extensive water leakage through the exterior masonry walls of the new addition was observed. BTC was retained by the Morris School District to evaluate these leaks and prepare details for their repair.

Evaluation of the exterior walls included a visual review of the exterior wall components in the vicinity of the reported leaks, water testing, and exploratory openings. Water testing successfully reproduced the reported leaks and the exploratory openings revealed numerous deficiencies in the through-wall flashing.

BTC prepared drawings and specifications to repair the observed deficiencies in the through-wall flashing. The original mason performed the required repairs at no cost to the Owner. BTC performed periodic field observations to ensure the repairs were properly implemented.

Project Name:
Shabonna Middle School

Project Location:
Morris, Illinois

Client:
Morris School District No. 54
Morris, Illinois 60450

Approximate Construction Cost:
Not Available

Year Completed:
2006

Nature of Services:
Leak Evaluation and Repair Design

