

St. Michael's Church



PROJECT

St. Michael's Church
West End, New Jersey

CLIENT

St. Michael's Church

DATES

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| Spring 2011 | Conditions Assessment- "Facade Inspection" |
| August 2011 | Structural Assessment- "Facade Inspection" |
| | Design and Documentation- "Masonry Reconstruction and Attic Framing Repairs" |
| May 2012 | Conditions Assessment- "Water Management" |

DESCRIPTION

Founded in 1886, St. Michael's Church was established to accommodate the spiritual needs of the growing local Catholic community. At the time the building was a "mission church" but as the community grew the parish became an independent church. The structure boasts a multitude of intricate stained glass windows and an ornate sanctuary.

CHALLENGE

S. Harris Ltd. was retained for the purpose of investigating chronic water infiltration issues along the east elevation facade as well as a developing bulge of the veneer brick. During the facade inspection, additional issues were discovered including severe rot and damage at the ends of the roof purlins and inadequate flashing details.

SERVICES

Conditions Assessment- "Facade Inspection"
Structural Assessment- "Facade Inspection"

Conducted a thorough physical inspection and assessment of the building envelope and structure. A high reach lift was utilized to conduct a hand-on inspection of the church's exterior facade. Inspected and assessed the timber roof framing members from inside the attic level. Provided a conditions assessment report along with recommendations for repairs and stabilization.

Design and Documentation- "Masonry Reconstruction and Attic Framing Repairs"

Produced construction drawings and specifications for the for the reconstruction of the damaged brick veneer; which included the incorporation of masonry ties and a waterproof coating; and reinforcement of the damaged purlin ends of the roof framing.

Conditions Assessment- "Water Management"

Conducted a thorough inspection of the building envelope, site drainage, and interior where water infiltration has been an issue. A high reach lift was utilized to provide close inspection of all gutters, downspouts, flashing, and sealants. Provided a conditions assessment report with a list of repair recommendations in order of their priority.