



Martin A. Benassi, AIA
Architect LLC

Knights of Columbus International Headquarters and Museum

New Haven, CT

Roofing and Waterproofing

The Knights of Columbus is a fraternal organization founded in 1882 by Fr. Michael J. McGivney, the associate pastor of St. Mary's Church in New Haven, Connecticut. It is dedicated to uniting men of Catholic faith and providing for the families of deceased members.

Martin A. Benassi, AIA - Architect LLC was hired as a sub-consultant to examine, evaluate, and recommend waterproofing repairs to the headquarters plaza - part of which was over a concrete slab on grade and part of which was over an occupied space/garage. Rainwater was traveling through an expansion joint in the plaza and leaving mineral-laden deposits on the cars and floor of the parking garage below.



After test cuts were made to enable a full examination of the plaza's materials and substrate, our firm provided a full report with sketches, photos, data, product samples, and recommendations. This report was used by the contractor to facilitate the repairs.

As part of our ongoing working relationship with the Knights of Columbus, **Martin A. Benassi, AIA - Architect LLC** was retained again to provide complete Contract Documents for the roof replacement on the Knights of Columbus Museum, also in New Haven.

Established in 1982, the museum is a nonprofit institution serving the educational interests of the general public.

A two-ply modified bitumen membrane roofing system was selected for its durability and aesthetics. A single-ply membrane (EPDM coated with Hypalon) was used as a flashing material at the parapet walls, along with a liquid membrane for the tower areas.

