

Property History

Located in Paterson, New Jersey, the current Cathedral of St. John the Baptist began construction in September of 1865. Designed by prominent church architect, P. C. Kiely, in a neo-Gothic style, St. John's was built by the volunteer labor of members of the parish and completed in July of 1870. The Cathedral is governed by the Roman Catholic Diocese of Paterson, which oversees 109 parishes, 39 Catholic Schools, 64 Catholic Charities locations, and various ministries in the Passaic, Morris, and Sussex.

Project Description

Grand Light was selected by the Diocese of Patterson for the replication and manufacturing of new lighting for the cathedral. This project included the design and custom fabrication of pendant fixtures resembling an existing historic fixture and the replication of a missing exterior fixture.

The custom pendant lights were constructed with aluminum and include six custom acrylic panels fitted by Grand Light technicians to each custom pendant. The fabrication of the raw components consisted of cast aluminum Fleur De Lis and rope tassel finials, and each panel was cut from 6061 aluminum plate and the details were cut with our CNC machine. Each component was then welded together, making the fixture sturdy and achieving the same look of the hand forged iron original. Custom loops for the hanging chain were all hand forged giving the top crown a masculine look.

A two-tone finish was applied utilizing Aqua Leaf Pearlescent Metallic on the Fleur De Lis, rope tassel finials, and the top loop. An extended life satin black finish was applied to the body which incorporated multiple applications of primer, top coats, and protective layers of UV resistant lacquer. The fixture was then diffused with a special clean acrylic panel with one side frosted, keeping with the look of the historic fixture used for inspiration.

This project also included the replication of a missing exterior fixture. The original wall mounted exterior frame and bracket featured intricate detailing and a beautiful verdigris patina, all of which were accurately reproduced on the replicated fixture. Grand Light artisans replicated every detail exact, even down to the use of bronze for the base metal. All fixtures were wired with UL listed components and tested in accordance with UL standard 1598.

In addition to these custom fabrications, the project required the restoration of original luminaries ranging from large chandeliers, wall sconces, pendant lights, and exterior lanterns.

Client

Roman Catholic Diocese of Paterson

Client Project Managers

Rebeca Ruiz-Ulloa, Architect, R.C. Diocese of Paterson

Date Awarded

2015

Completion Date

2016

Project Webpage

<https://grandlight.com/portfolio/cathedral-of-st-john-the-baptist-custom/>

