

Property History

The Massachusetts State House is the state capitol and house of government of the Commonwealth of Massachusetts. Built in 1798, the building houses the Massachusetts General Court and the offices of the Governor of Massachusetts. Located on top of Beacon Hill in Boston, the building is situated on 6.7 acres of land. The building was designed by Charles Bullfinch, the leading architect of the day.

Project Description

Grand Light removed, completely restored, and reinstalled the existing historic lighting fixtures, including a gigantic 30' tall, 1850 lbs chandelier, eighteen cast brass wall sconces, and a set of beautiful torchieres located on the Senate Chambers podium. This project also included the design and manufacturing of custom chandeliers based off a historic photograph.

Grand Light's specialists dismantled, disassembled, packed, and transported the historic chandelier, wall sconces, and torchieres without causing any disruption to the daily activities of the State House. Through the combined efforts of Grand Light specialists, Colantonio Inc associates, and State House personnel, this task was completed within one day.

After the removal, a 200+ page condition report documented the restoration of the historic 30ft+, 112 light multi tiered chandelier, wall sconces, and torchieres, and was used to accurately identify all components, document finish imperfections, mechanical, and electrical deficiencies including possible corrective actions or modifications.

Additionally this project required the development of adjustable uplights that highlighted the dome of the Senate Chambers. Grand Light engineers worked with the designers at George Sexton Associates to incorporate the use of an LED GU10 in the original lamp locations. A custom shade was designed and replicated to match exactly to what was original except this shade had an acrylic lens built-in to reflect light downward without interfering with the precise optics of the GU10 lamp required to properly light the dome. This lens reflected light in the glass so it looked like an A-lamp was evenly illuminating the shade.

The fixtures were transported back to the State House and Grand Light assembled the large chandelier and carefully adjusted eighty modified GU10 uplights at a precise 12 degree angle in conjunction with George Sexton Associates.

Client

Commonwealth of Massachusetts

Client Project Managers

John Hobson, Senior Project Manager, Colantonio, Inc.

Date Awarded

2017

Completion Date

2018

Project Webpage

<https://grandlight.com/portfolio/massachusetts-state-house-senate-chambers/>

