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## PROJECT PROFILE

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### Fogg Public Library, Weymouth, MA

#### Complete Historic Restoration of Exterior Façade

*Awarded PROJECT of the YEAR 2011  
by ICRI-New England Chapter*

Built in 1897, the Fogg Public Library in Weymouth, MA is a 19th century landmark listed on the National Register of Historic Places. The first public library to be built in Weymouth, it was commissioned by John S. Fogg, a boot and shoe manufacturer and banker in South Weymouth, MA who initially funded its erection. The library's exterior stone façade is constructed with Weymouth granite, and the architecture includes a mix of Dutch and classical elements. According to the town's website, the Fogg Library is a defining element of Weymouth's architectural heritage.

#### THE CHALLENGE:

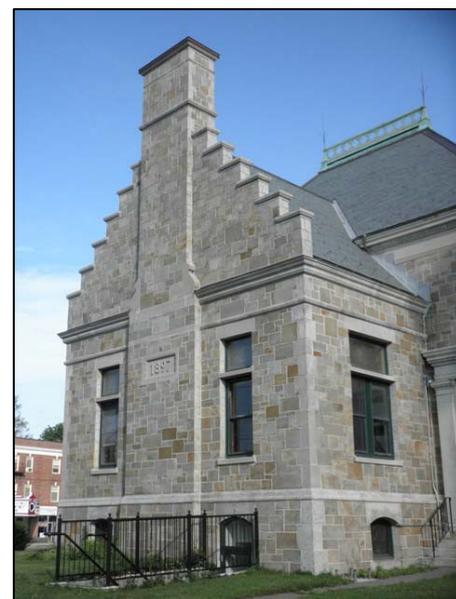
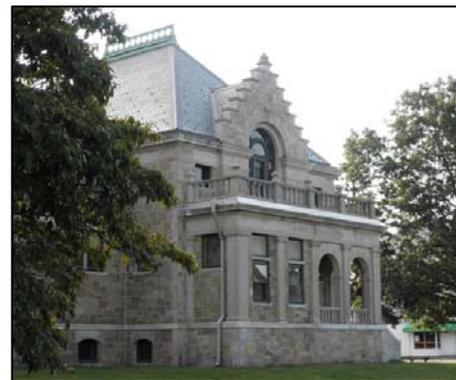
Weather conditions over the years had taken their toll and eroded some of the exterior masonry and stonework. Cyclical weather changes in the northeast climate had caused deterioration which had allowed for water infiltration at various elements of the building, including masonry joints, slate roofing to masonry wall transitions, copper gutters and downspouts, and miscellaneous flashings.

Countless freeze-thaw cycles over the years had deteriorated the mortar joints and caused increased cracking in the walls, allowing water to infiltrate the façade. At the masonry to roof transitions and at the in-laid copper gutter, the through-wall and stepped flashings and gutter had become damaged, lifted, and in some cases had been removed completely.

The damaged and/or absent flashings and gutters had allowed the majority of the water infiltration at the gable ends. This caused severe damage to the wood roof structure, masonry knee walls, and had caused the roof structure to increasingly sag. The overall water infiltration had also caused severe damage to the plaster walls and finish woodwork throughout the interior of the library. The large scale interior damage and continuing presence of moisture had forced the library to be vacated from 2005 to present day.

#### THE CSI SOLUTION:

The CSI team completely repaired and repointed the exterior masonry at all elevations. The team also installed all new copper flashing and gutters and made final tie-ins to the roofing system. Through close coordination with the project's general contractor and subcontractors, the CSI team successfully completed this project on-time and on-budget.



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