

Charles A Phillips, AIA, AIC-PA

Some Recent Projects



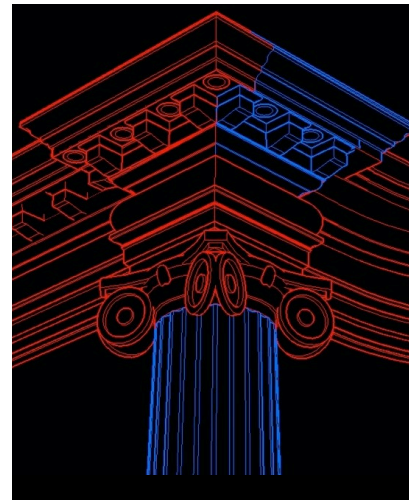
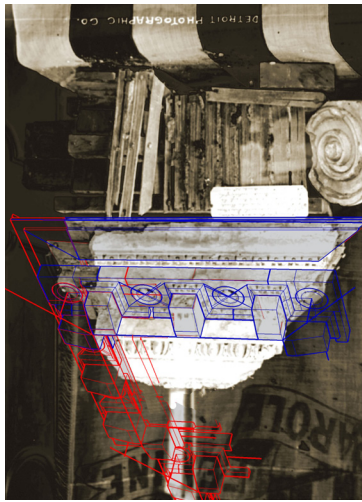
The Statehouse Dome Photoshopped to the original colors identified by Paint Microscopy. Happily they correspond with Charles Wilson Peale's 18th c. field notes.



The Maryland Statehouse, the oldest legislative building in the US in continuous usage. The Old Senate Chamber is undergoing restoration. This is the room where George Washington resigned his commission at the end of the Revolution - returning his dictatorial powers as Commander-in-Chief to the civilian authorities and where The Treaty of Paris was ratified a few weeks later recognizing our country as a sovereign nation. Phillips was the architect/principal investigator guiding the research and physical analysis of the room. Below is a rendering of the visitors gallery, doors and a window based on the extensive evidence collected.



1890s Photo of plaster fragment sent to the Columbian Expo in Chicago - now lost

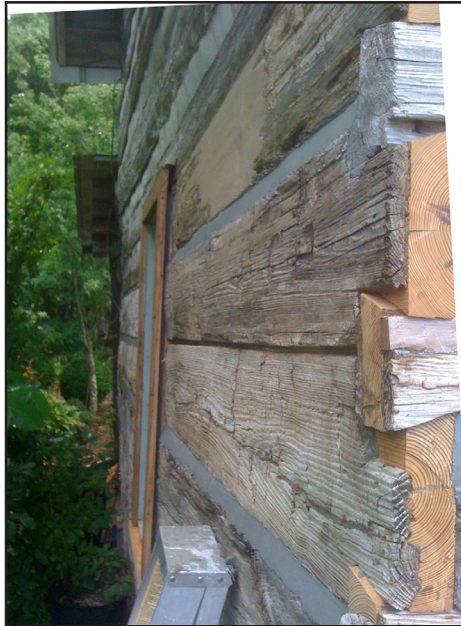


Old Senate Chamber Research

The blue section is the original fragment positioned properly over a blue original outer column.

By configuration it can only be the one on the false door end of the gallery. It can only be the face that faces the false door wall.

Therefore the gallery cannot end with a convex curve that would connect in the middle of this face.



Grey Logs

Highlands, NC, involved the conservation of seriously deteriorated logs. The core of the logs was rotten mush. The faces, interior and exterior, were sliced off. These skins were treated with a preservative and consolidated while maintaining the original grey untreated appearance. They were then mounted on aged stable cores of a matching pine and re-installed in the building.

General Federation of Women's Clubs Headquarters

Survey of piping and other concerns.



6 March 2012
Charles A. Phillips, AIA, AIC



General Federation of Women's Clubs, National Headquarters

Phillips inspected the building from the squash court gallery to the boiler room and virtually all accessible spaces in between. The report identified the problem areas and a phased approach for undertaking repairs and a discussion of the need to document the precise location of piping and electrical runs and the means of accessing them in the future.

Lee House Analysis with preliminary discussion of Blair House stucco



John Greenwalt Lee Co.

Charles A. Phillips
Ellen Hagsten
John Lee

The Blair House and Lee House

Diagonally across Pennsylvania Avenue from The White House, Blair House and Lee House are part of a complex of 19th c. buildings secured from demolition by Jackie Kennedy and adapted as the Presidents guest quarters for visiting Heads of State and where the President Elect resides the night before the Inauguration.

Phillips was involved with trying to mitigate the engineers designing seismic upfits. This involved a number of common sense solutions to perceived structural deficiencies and, in at least one case, pointing out that the structure was in fact not deficient. The study also identified serious life-safety issues with the failing late 20th c. stucco.



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The Sidney Yates Building

On the National Mall at the corner of 14th St. and Independence Avenue, originally constructed for the Bureau of Engraving and Printing now houses the US Forest Service. This project provided the opportunity to introduce the GSA to the "drop method" of project execution. The project included a series of exterior repairs, involving slate roofing, sheetmetal, and built-in gutter work, repointing, mortar matching, lead flashing caps on projecting bands, wooden window repairs, restoration of original paint colors, and structural augmentation of retaining wall within light wells, etc. The drop method involves having the conservation team determine the problems and propose treatments. Then

the conservators execute the treatments on a portion of the building, usually a vertical drop from roof to grade or bottom of light wells, demonstrating proof of concept and availability of materials. The treatment execution is video taped and included in the bid documents which prevents contractors from claiming that they did not understand what was necessary or that it cannot be done or that the materials are not available. When the contract begins, the conservators provide training and certification for the crew supervisors and then the crews. Only certified workers may work on the job. If the contractor wishes to change workers, the new ones must be certified at the contractor's expense. The conservation team provides quality control for the life of the project and signs off on all requests for payment.



Innovative use of structural glass to reconstruct a ruin. The roof glass has integrated photovoltaics. Designed by Charles Phillips, Tim Macfarlane, and John Lee. Rendered by Declan Nevin.

A Career Dedicated to Preserving the Past,
Creating the Present,
and Influencing the Future.

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