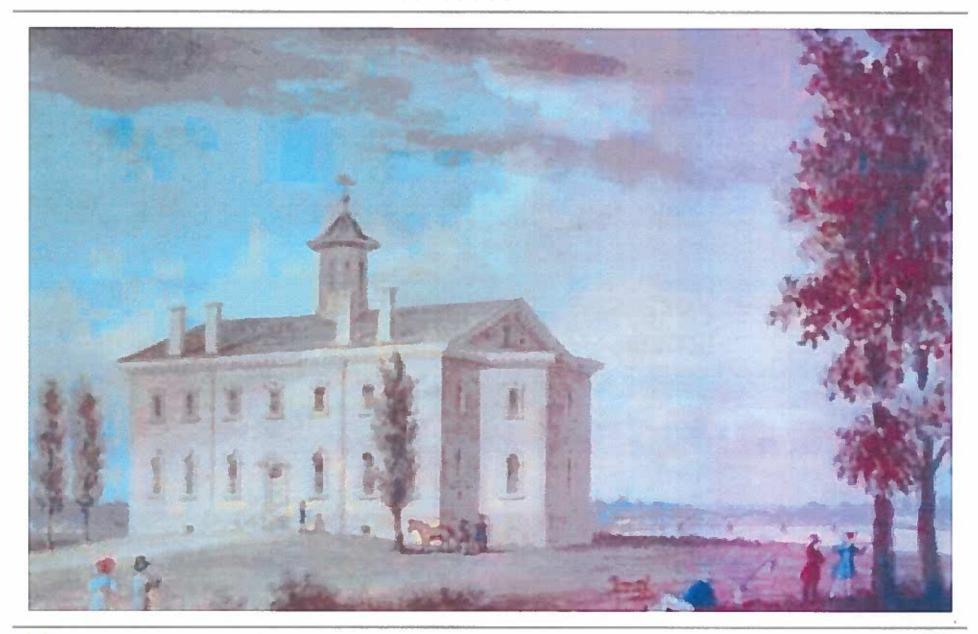


Historic Evolution of the State House

Historical & Cultural Significance

- The Executive State House is the second oldest, continuously occupied state house in the United States.
- It is a valued cultural resource that is a contributing structure to a Historic District on the National Register.
- The history of a State is invariably tied to the history of its principal building.
- The State House represents many faces of the many faceted social, historical, political, and moral attitudes of the people of New Jersey.
- It is a source of pride to the state of New Jersey and an asset to the history of this nation.













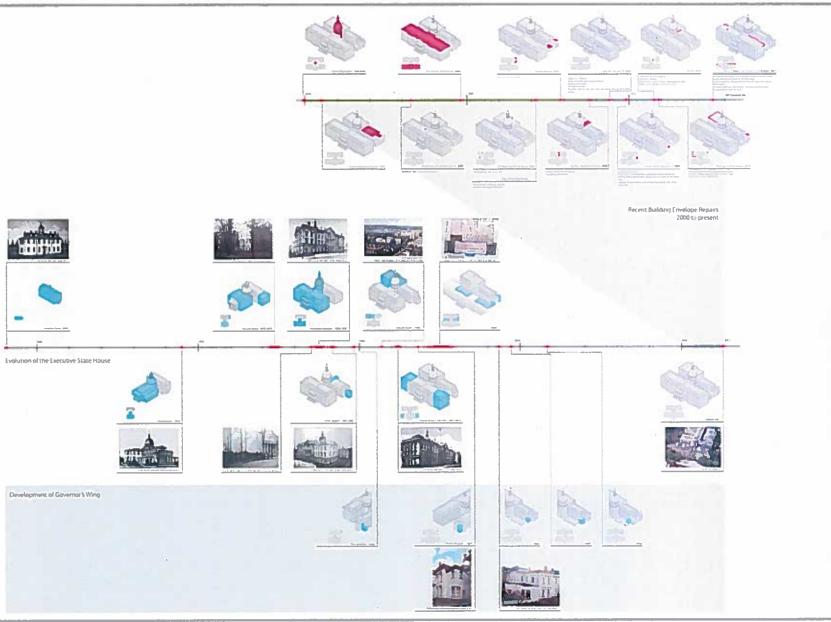








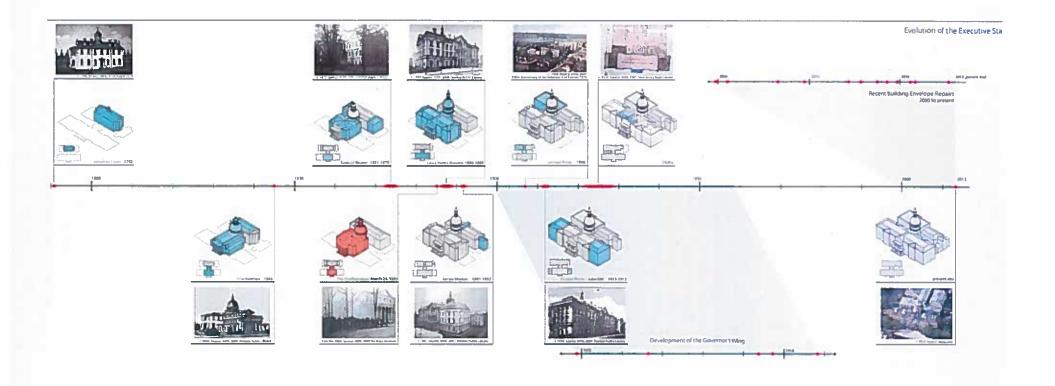
Historic Evolution of the State House





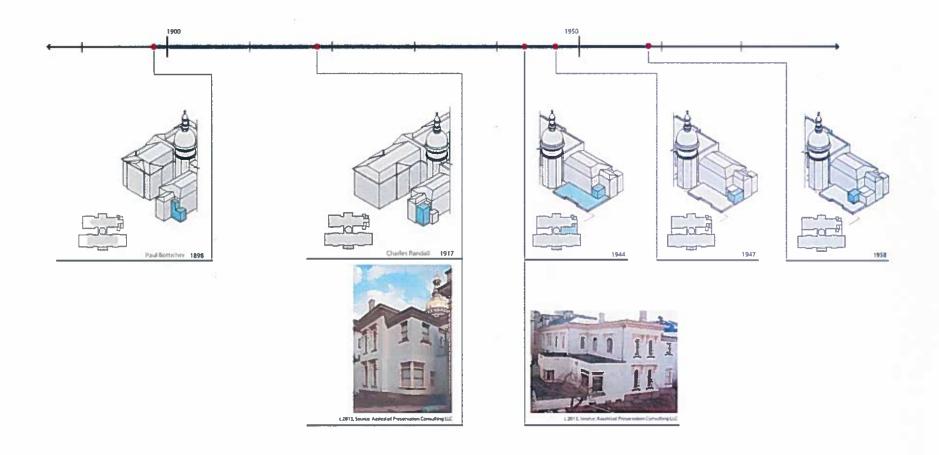


Historic Evolution of the State House



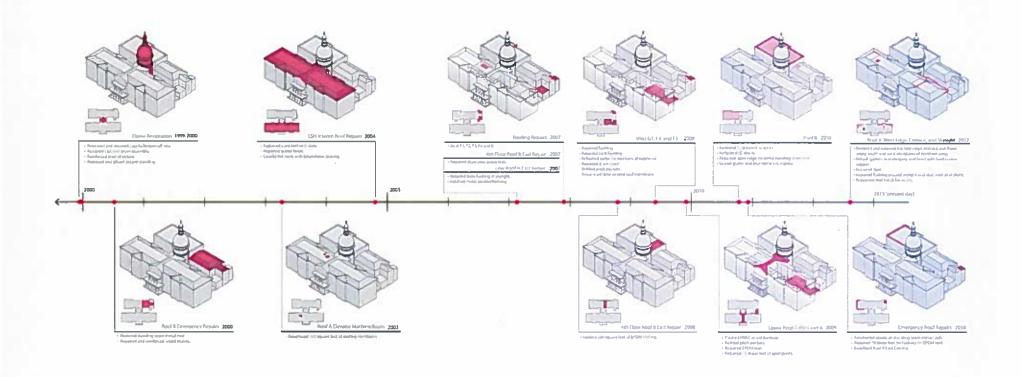


Historic Evolution of the State House – Governor's Wing





Historic Evolution of the State House – Recent Envelope Repairs



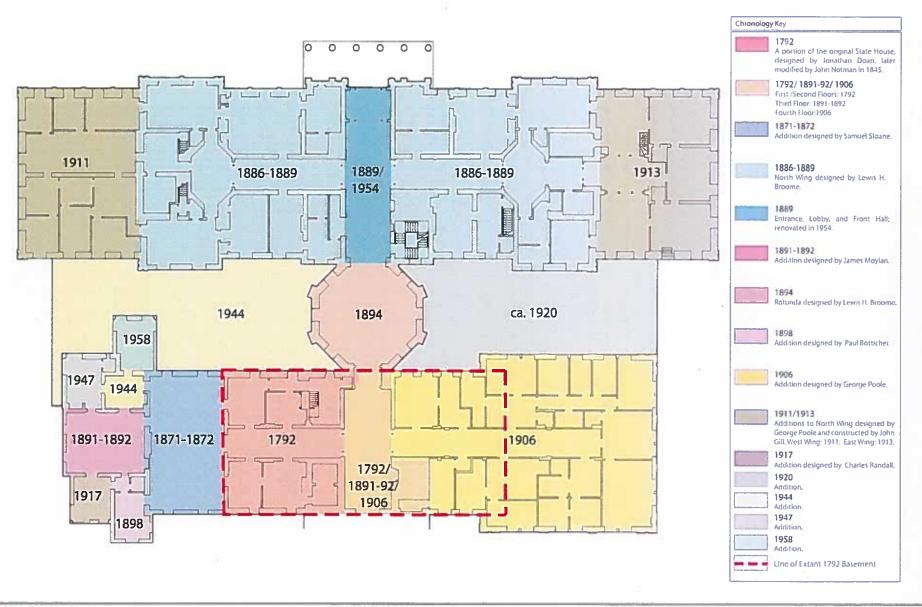


PDP





Chronology Diagram



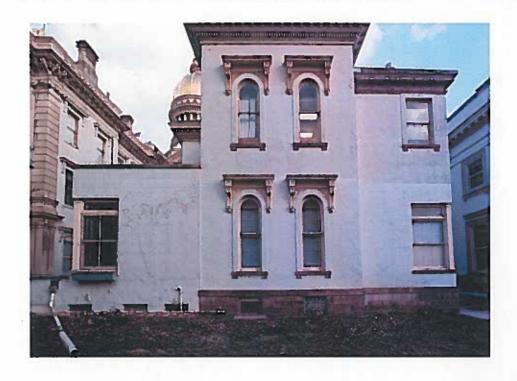




Process & Discovery

What did we learn through this process?

- The Executive State House [ESH] was developed over 17 Separate Building Campaigns, possibly more than any other State House / Capitol in the US.
- It is a very complex building.
- The last major building campaign was completed in the early 1910's.



The building has not received a comprehensive renovation or retrofit for at least 60 years.



Process & Discovery

DPMC A1150-00 Exterior Envelope Repairs

Prequalification submission

Technical proposal submission

Interview

• Final Fee proposal

Authorization to Proceed

• Schematic Design Submission

Design Development Submission

August 9, 2012

October 4, 2012

October 24, 2012

January 10, 2013

January 29, 2013

June 28, 2013

November 12, 2013



Full Team Experience – Monumental Historic Landmarks

Selected Team

Nelson [formerly H2L2]

• Preservation Design Partnership, LLC

Silman

Loring

Jensen Hughes [formerly Aon]

• International Consultants, Inc.

Prime Architect

Design & Preservation Lead

Structural Engineering

MEP Engineering

Code & Risk Consultant

Cost Estimator

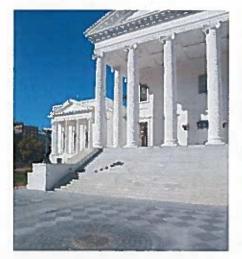


Strengths of the Project Team

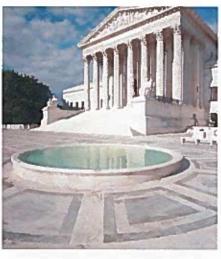
- Leadership of the team has been involved in over **20** planning, design & comprehensive restorations involving **monumental National Historic Landmark buildings**.
- Has an on-going collaboration spanning over 20 years.
- Has developed a methodology & approach.
- Produce reliable cost estimate based on actual market data collected over several years of specialized practice.



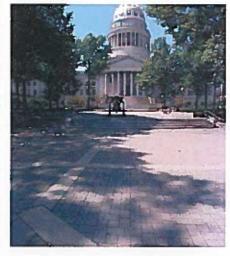
Nelson / PDP Team Experience – Monumental Historic Landmarks



Virginia State Capitol



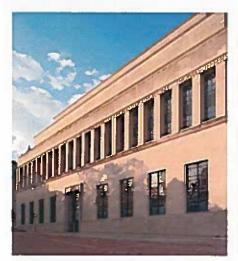
United States Supreme Court Building



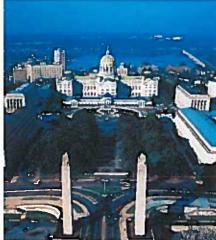
• West Virginia State Capitol



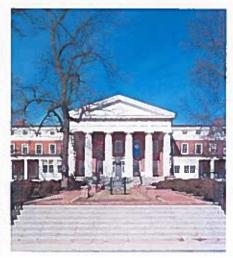
Independence Hall



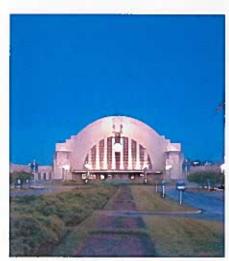
· Patrick Henry Building



• Pennsylvania State Capitol Complex



· Virginia School for the Deaf and Blind



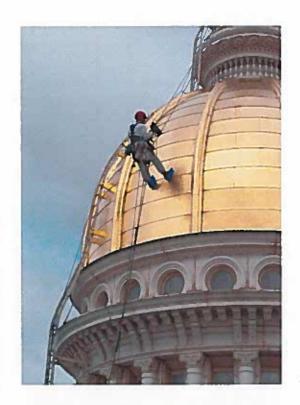
Cincinnati Museum Center







Process & Discovery - Methodology



Exterior Building Envelope Restoration Project Approach:

- A Comprehensive Visual Assessment
- A Systematic Non-Destructive Evaluation Program [NDE]
- Probes and Selective Exploratory Destructive Examination
- Analytical Testing of Materials and Systems
- Microscopic Analysis of Finishes
- Laser Scanning, Digital Photogrammetry and Orthophotography



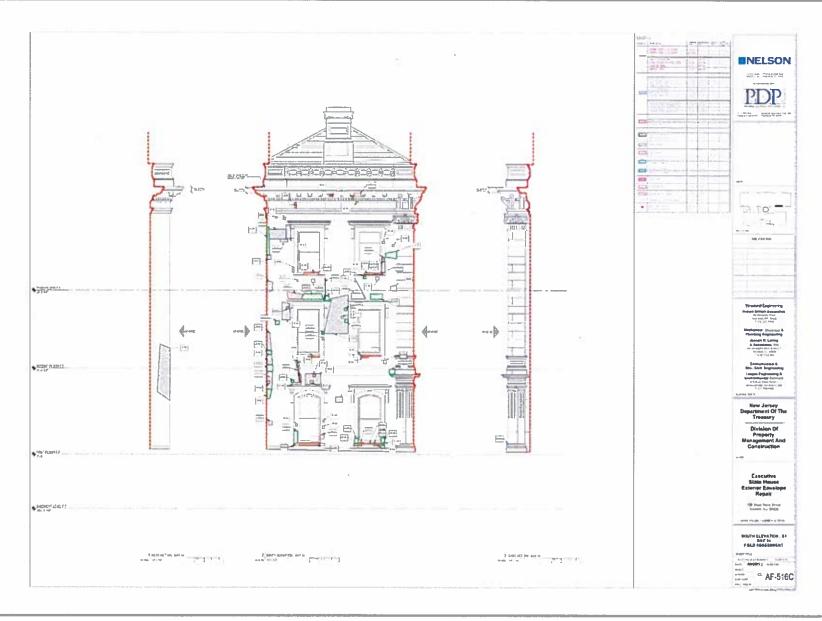




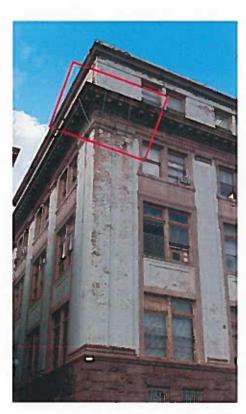




Process & Discovery – Level of Detail





















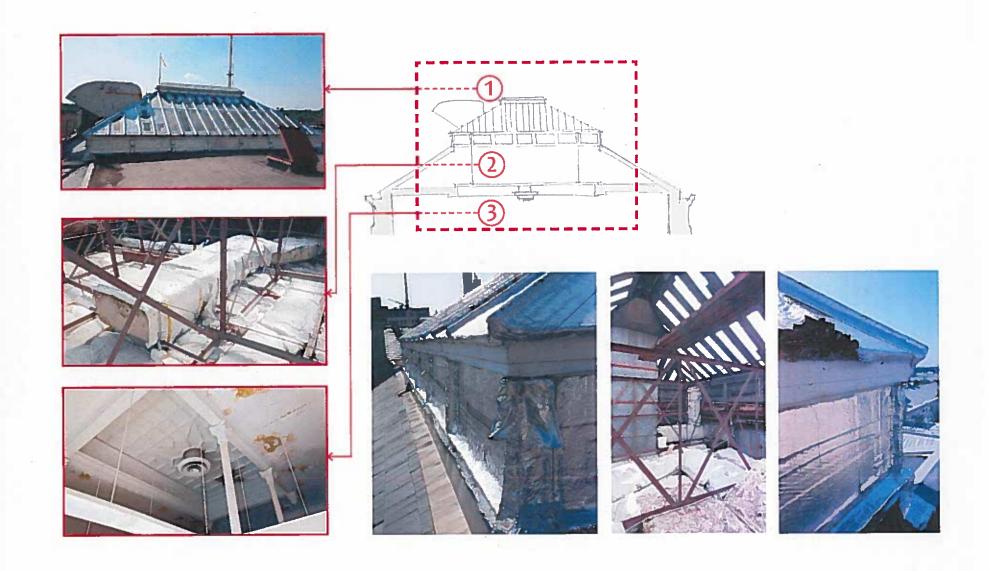






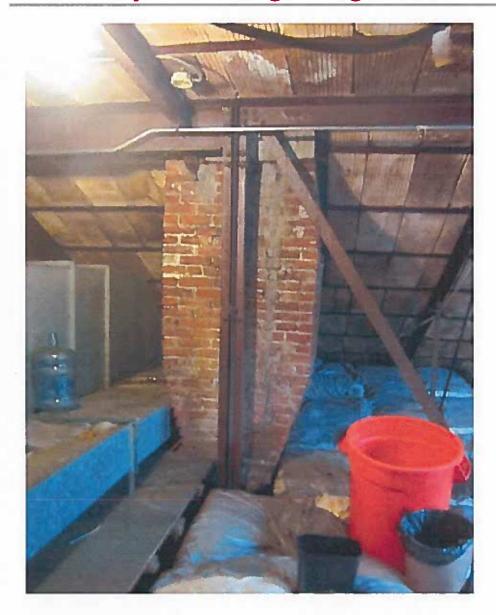


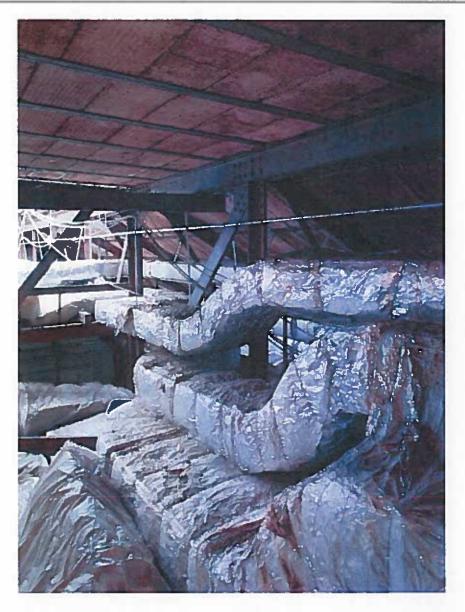




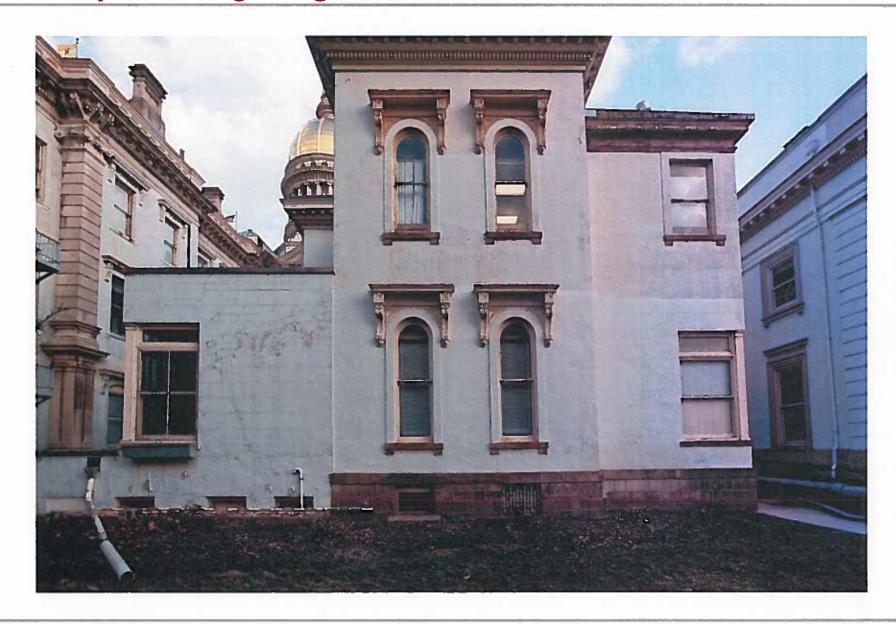


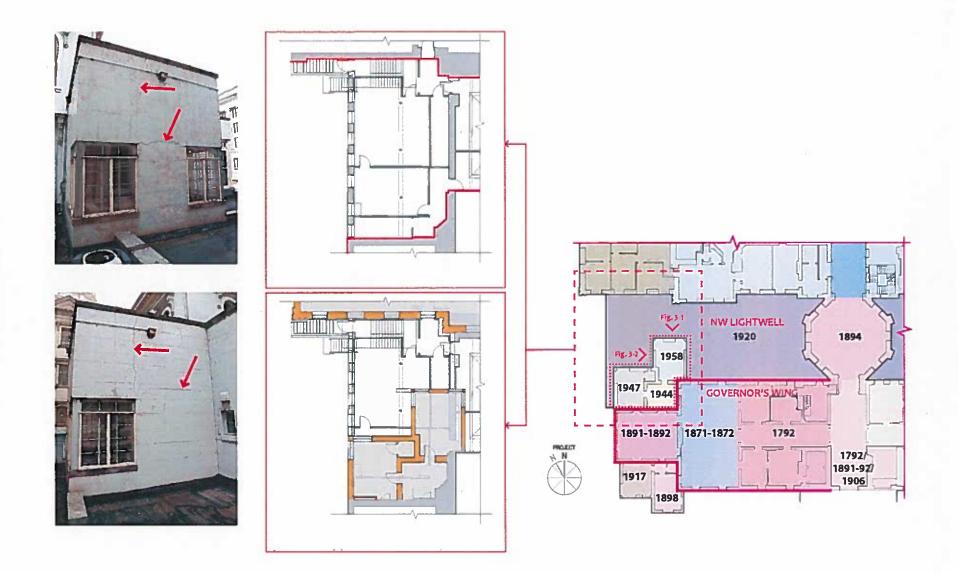








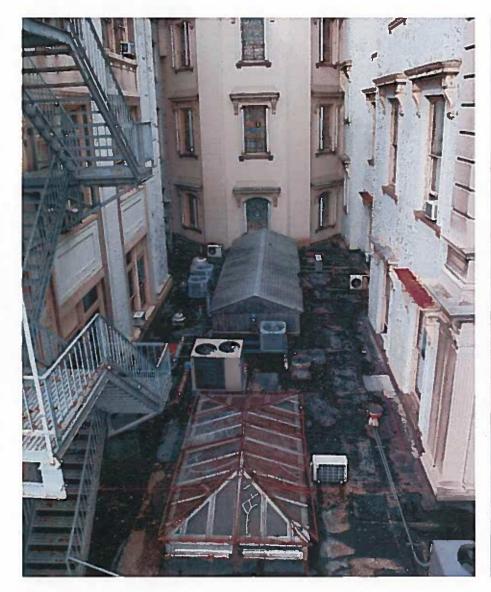








Summary of Findings – Obsolete & Incomplete Infrastructure

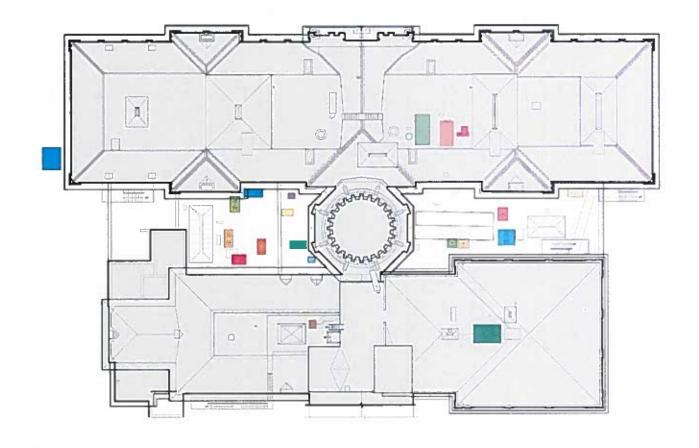








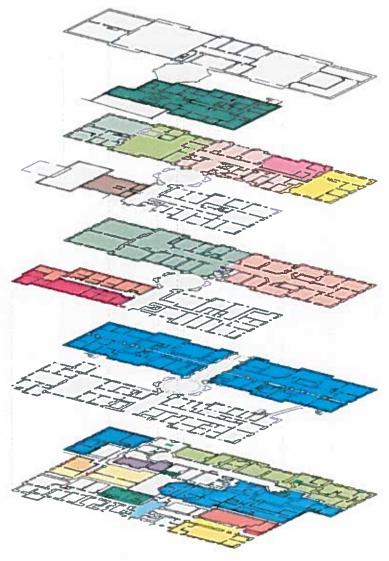
Summary of Findings – Obsolete & Incomplete Infrastructure



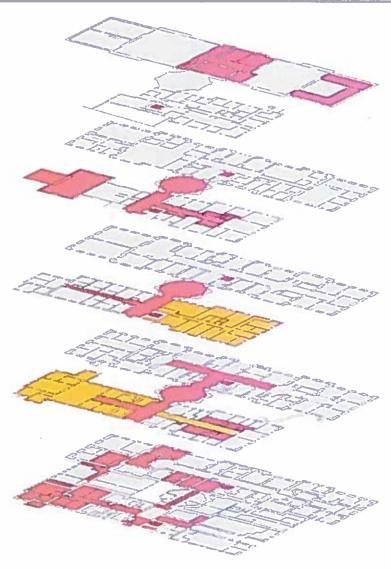




Summary of Findings – Obsolete & Incomplete Infrastructure



Each colored area corresponds to a different piece of envelope-mounted equipment (previous slide).



Areas not served by HVAC equipment [red] or not in scope [orange].







Summary of Findings – Project Budget and Funding is Misaligned

- The scope of exterior repairs exceeds available funds.
- There are significant sunken costs in repairing the envelope without addressing the interfaces with building systems.
- Construction on an occupied building would be extremely disruptive and not provide occupants with any added value to the work spaces.

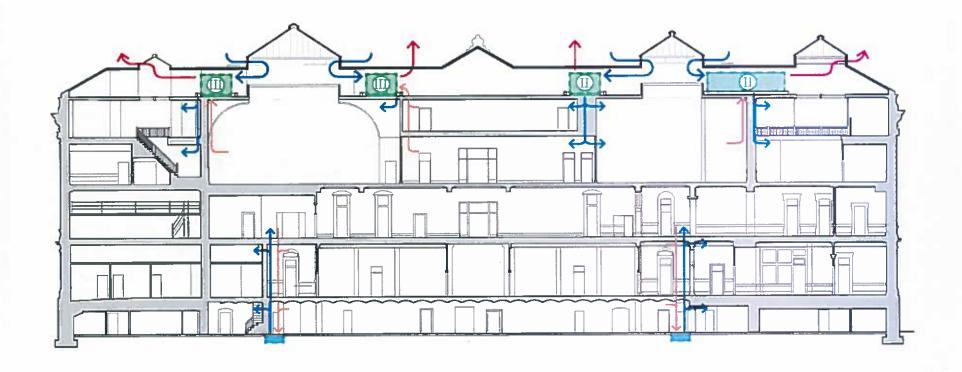


What is the Correct Project to Undertake?

- The major intervention must be to the HVAC and building systems.
- All other systems follow:
 - Electrical & Data
 - Plumbing
 - Life Safety
 - Occupant Equipment
 - Finishes
- The goal is to open the building only once for these improvements to infrastructure.
- Occupants must move out and the renovation is implemented in a single phase.



Integrated Design for the Executive State House



Integrated Design for the State House Complex

PROPOSED SCOPE OF WORK FOR THE LEGISLATIVE STATE HOUSE

Goal: Allow for the Executive and the Legislative State House to Communicate Seamlessly as One Building

- Security Enhancements
- Tele-data Enhancements
- Building Systems' Controls



Project Budget for the State House Complex

PROPOSED STATE HOUSE PROJECT BUDGET	
Executive State House Restoration and Renovation	\$173,000,000
Legislative State House Infrastructure Improvements and Upgrade	\$20,000,000
Artwork Conservation	\$1,000,000
Design Services	\$19,000,000
Subtotal	\$213,000,000
Construction Management	\$15,000,000
Permits	\$3,000,000
NJ Affirmative Action (N.J.S.A. 10:5-31 and N.J.A.C. 17:27)	\$1,000,000
Subtotal	\$232,000,000
Project Contingency	\$55,000,000
TOTAL PROJECT BUDGET	\$287,000,000



