

## State House Dome ♦ Trenton, New Jersey



**Original architect:**

Lewis Broome (completed 1889)

**Building owner:**

The State of New Jersey

**In collaboration with:**

- Jan Hird Pokorny Architects & Planners, *cast iron, architectural finishes*
- Robert Silman Associates, *structural engineering*
- Vulcan Supply, *roofing*
- Gold Leaf Studios, *gilding*
- Mazia/Tech-Com, *metallurgy*
- Mathew J. Mosca, *historic paints and finishes*
- Society for the Preservation of New England Antiquities, *decorative painting*
- McKernan Satterlee Associates, *stained glass*
- Preservation Architecture, *codes review, report preparation*

**Scope of work:**

- coordinated all scheduling of site investigations
- provided safe access and rigging for inspection of the interior and exterior of the cast iron drum/lantern and gilded, copper-clad dome
- conducted non-destructive investigations using ultrasonic testing and fiber-optics borescope
- employed live video feed for interaction with subconsultants, as necessary
- coordinated and undertook removals of decorative sheet metal, cast iron, and structural steel coupons
- coordinated subconsultant submissions to produce a four-volume condition report, with annotated elevations, still photography, and video tapes

*Photos by Jon Reis/Photolink*

