

# DELAWARE VALLEY CONSTRUCTION CONSULTING

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James T. Hamje, P.E. Construction Expert

## Forensic Engineering

### Public Housing Project, Plymouth, MA:

Analysis of buckling of synthetic composite plastic/wood decking, construction delays and water infiltration problems.

### Elementary School, Moscow, PA:

Analysis of failure of exterior masonry cast stone veneer cavity wall. Inspection of reconstruction of veneer wall.



### High School Roof Collapse, Hazleton, PA:

Forensic analysis of steel joist roof collapse at a high school due to excessive snow loads and design/coordination errors.

### Bookstore Roof Collapse, Christiana, DE:

Forensic analysis of roof collapse under high snow loads. Evaluated design calculations, BOCA Code application, maintenance of the roof and steel joist manufacturing defects.

## **Moshulu Restaurant, Philadelphia, PA:**

Forensic analysis of failure of synthetic composite plastic/wood decking for restoration of a historic tall ship converted into a floating restaurant.

**Residential:** Investigation and remediation of water infiltration, structural problems and collapses for various residential properties.

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