



CHALLENGE

The bird netting and parapet cap stones fell five stories to a courtyard roof below during a heavy snow storm in November of 2004. The cap stones penetrated the courtyard roof below causing property damage and injuries to personnel within the facility.

The Secretary of State's Office and the Attorney General's Office hired HLR to assist them in determining the cause and origin of the collapse, and to provide them with consultation through pending court action.



SOLUTION

- *Perform a field investigation was performed collecting data.*
- *Develop a theory on mode of failure.*
- *Test the theory within a laboratory setting.*
- *Prepare a report.*



RESULTS

- A forensic investigation was performed.
- A theory on mode of failure was developed.
- The theory was verified through laboratory testing.
- A draft report was provided to the client.
- Legal action is currently underway.



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