

STRUCTURAL EVALUATION

A fire in a kitchen pantry area created a flue upward through the second floor and into the attic of a residence, damaging a first floor girder, first and second floor joists, ceiling joists, and roof rafters. Local contractors stated that the structure could not be salvaged. Recommendations for repair and a cost estimate were provided to restore the structural integrity of the residence without razing the structure.

HURRICANE DAMAGE?

Piles supporting a residence were examined to determine wind versus flood damage following a hurricane. One-half of the rear wall of the residence was missing from the first floor to the second floor roof eave as well as a portion of the first floor girders and joists. The missing wall was a result of the removal of support from the wall due to wave action.

CHIMNEY CODE INSPECTION

Cracks had occurred in a chimney constructed with fieldstone rock, and a portion of the top of the chimney had fallen. Investigation revealed that the foundation of the chimney violated code provisions and that the portion of the chimney projecting above the roof was not constructed per code requirements.

VEHICLE VS. RESIDENCE

A residence was impacted by a vehicle causing damage to the front corner of the structure. The homeowner believed the impact also caused problems to the rear wall of the structure. Inspection revealed preexisting foundation support problems and inadequate attempts to rectify those problems.

RETAIL ROOFING ASSESSMENT

A large shopping center with seven separate buildings that were covered with metal roofing and siding was damaged by hurricane force winds. A damage assessment and recommendations defining replacement requirements were provided.