

1501 Leaview Avenue

Location:
Norfolk, Virginia

Owner/Client:
Fema / Engineering Services
20 South Roanoke Street
Fincastle, Virginia 24090

Cost:
\$400,000.00

Completion Date:
June 2006

This project was one of twenty houses that got a financial grant from Fema to be raised 1 foot above 100-year flood elevation. The owner wanted to add an additional floor during the process of elevating the house. The engineering challenge on this house was to be able to lift the house high enough (18 feet off the ground) in order to slip another floor underneath it and to make sure that the first floor is designed to withstand oceanfront wind forces. The house is located one block from the beach; the foundation was designed in waffle type foundation in order to minimize the differential movement. The chimney which weighs approximately 40,000 lbs. was braced and lifted with the house during construction.

