Navy Medical Center Fire House

Bethesda, MD

The Challenge

Naval Support Activity Bethesda is located just north of the Nation's Capital and is responsible for base operational support for its major tenant the Walter Reed National Military Medical Center. The fire station on campus needed to be rebuilt while remaining operational. A parcel of land at the corner of the engine garage was used to construct the temporary building. White steel siding was selected to match the surrounding stone buildings. A covered vestibule was constructed connecting the garage to the modular. One enclosed and one open pre-fabricated aluminum stair tower was constructed with careful design planning bridging underground utility lines that ran through the site. The interior has a fully equipped kitchen, bedrooms and restrooms that are of better quality then the existing facility being renovated.

The Solution

Sound transmission insulation was used to buffer the sound of the campus activities. Mechanical, Electrical and Plumbing standards were designed to insure the standards were exceeded for the building. Materials of durability and quality were incorporated into the design to insure second use of the building when removed would withstand the relocation and reassemble. Low E window glazing as well as siding and roofing colors insured reflective features of the building to reduce energy expenditures. The modular building structure along with the pre-fabricated stair towers accomplished the speed to occupancy requirement of the renovation project while staying within the cost perimeters set aside to accomplish the task.