

VA Dental Office Renovations

West Haven, CT

Project Description:

AI Engineers was the lead design professional to develop a design-build proposal for the renovation of the existing second floor dental clinic at the West Haven Campus of the VA Connecticut. The existing 4000 s.f. dental space needed new dental operator suites as well as offices and a patient waiting area. The existing mechanical systems needed to be upgraded for the proposed new spaces and to meet current requirements for fresh air ventilation. AI Engineers, working with our architectural subconsultant, assisted the VA in planning the space and coordinating with equipment and furniture provided by the VA. A planning study and proposed layout was developed at the 30% design stage for review and approval as the VA Dental Clinic Chief Concept.

Upon acceptance of the 30% design and proposed layout plan, AI was awarded a design-build contract and developed the 100% final design plans. The final design included architectural, structural, mechanical, electrical, plumbing and fire protection systems for the renovated dental clinic. The architectural and structural scope of work included new walls, ceilings, and finishes as well as modification to building structural members to reconfigure rooms. The mechanical, electrical, plumbing and fire protection scope of work include new lighting and power, new plumbing, modifications to the fire protection system and mechanical system optimization with new air handler fan coil units. A VA initiated change order was added to the project during construction requiring the conversion of two dental x-ray rooms from chemical processing to Digital x-ray. During construction, AI performed the construction supervision, procured subcontractors, purchase materials and insured completion of construction on-time and on budget.



Salient Features

- Architectural Design
- Structural Analysis & Design
- Mechanical/ HVAC/ Plumbing
- Fire Protection Design
- Electrical Design
- Construction

Location

West Haven, CT

Owner

VA Connecticut Healthcare System, Mark Reveaux

Duration

2006-2007

Construction Cost

\$560,000

