

### Team Members

Ernest Bradley  
Patricia De LaRosa  
Darrin Edwards  
Marisol Gutierrez  
Wilfrido Hernandez  
Michelle Hernandez  
Beth Jones  
Miguel Ramirez  
Christina Waldrup



*Turner Construction mentor, Steve Fox, assists Patricia De LaRosa, Willy Hernandez and Christina Waldrup in estimating drywall quantities in a typical hospital patient room.*

## Clarian Continental Clinic

### Objective

To design a 25,000-square-foot medical office building.

### Solutions

This team involved nine students from George Washington Community School and their mentors, including one from Clarian Health. After visits to various architectural and engineering firms, the group participated in a mock bid day scenario at the general contractor's office. During the bidding process, students measured spaces, estimated costs and then solicited bids from fictitious subcontractors played by mentors. The students ensured accuracy of the numbers they received by comparing them to the check numbers they had established. The group also visited various jobsites and talked with subcontractors to get a "hands-on" feel for the construction process and better understand what kinds of environmental issues need to be considered to create a workable design. Armed with this information, the team then chose a site upon which to build their 25,000 square foot medical office building.

During the design phase, the students listed all of the spaces their facility would need, such as admissions desks, waiting rooms, procedure rooms, toilets, x-ray rooms and a pharmacy. This provided the basis for creating a building layout and preparing elevation drawings. The use of clay massing models enabled the students to envision their various options and choose the one that best met their criteria. In addition, the group dealt with various structural and mechanical engineering issues, which required calculating the strengths of materials and considering their load-bearing characteristics in relation to specific materials and local climate conditions. Finally, the project team prepared a complete start-to-finish construction schedule.

### Skills Acquired

This project gave students an opportunity to increase their overall industry knowledge in such areas as jobsite terminology, safety issues and trade-specific activities, such as drywall installation, painting, electrical applications and soldering.

### Team Mentor

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