

Bryan Hall Room 316 Advanced EE Laboratories
Department of Electrical Engineering Major Renovation - Fall 1990
Design and construction management by Paul Discher



Bryan Hall Room 316 for years has been the hub of intermediate and advanced instructional laboratories. The addition of Jolley Hall in 1990 provided space for the Electrical Engineering Department to expand, however, Bryan 316 space was still under utilized.

At the request of the Electrical Engineering Department I prepared a plan including drawings and 16th scale cardboard model of laboratory renovation and workstation design. This plan was formulated over the period January 1990 thru June 1990. Demolition and construction commenced at the conclusion of classes in May 1990 and the completed lab was ready for classes in August 1990.

The Bryan 316 facility is a 800 square foot windowless laboratory with egress at the north side to the 3rd floor hallway and west into adjoining 830 square foot Bryan 306 laboratory. As part of the renovation all cabinetry was removed, floor tile replaced, new electrical feeds installed, and almost all lighting relocated. The lighting was of particular noted improvement. Each bank of lights were positioned so as to provide direct task illumination over each of Eight 8-foot workstations.

The original laboratory casework consisted of green color Brentwood steel sink bases covered with acid proof (asbestos) counter tops. The counter tops were abated by an EPA certified waste hauler. The sink bases were rearranged to provide the lab with 8 workstations linked in 16-foot pairs. The drawers and fronts were positioned for rear access. The cabinets were electrostatically spray painted by CoElectro and this firm also fabricated the counter top replacement units. The countertops were installed in a cantilevered arrangement in order to provide a knee space for sitting students. The backs of each cabinet was treated with vertically glued carpeting forming a durable a kick panel.

The variety of computers and instrumentation already owned by the Electrical Engineering Department was installed in Stantron steel instrument racks, which were centered on each workstation.