

Class Concept

This is technical architectural work supporting architects and engineers in the design of new construction and renovation projects. Positions in this class receive floor layouts for Capital Improvements Projects, prepare design development and working drawings for submittal to the Authority Having Jurisdiction (AHJ), revise design drawings as necessary, and prepare specifications and cost estimates in preparation for construction bidding. Positions also serve as liaison to private consulting engineers contracted to complete architectural, structural, mechanical, electrical and/or electronic drawings.

Work may include site feasibility visits to compare preliminary plans and users' needs with architectural, structural, mechanical, electrical, and/or electronic system constraints. Architectural Technicians revise preliminary plans based on these constraints.

Positions may review, approve or investigate requests for payments. Work is performed independently under the general supervision of a consulting architect or engineer and is reviewed through discussions on project progress.

Recruitment Requirements

Knowledge, Skills, and Abilities:

- Considerable knowledge of the North Carolina State Building Code
- Considerable knowledge of available building materials
- Considerable knowledge of the structural design of buildings
- Working knowledge of the operational theory behind building mechanical and electrical systems
- Working knowledge of construction methods and techniques
- Ability to visualize building additions and renovations and to lay out floor plans including windows, doors, casework, mechanical and electric equipment, lighting, and /or electrical outlets
- Ability to review preliminary design building renovations and additions, balancing user needs versus structural and engineering requirements
- Ability to write construction specifications and compute cost estimates.

Minimum Education and Experience

Associate's degree in architectural technology from an appropriately accredited institution and three years of experience in planning and design, cost estimating, and inspection of construction projects, renovation projects, and or major maintenance projects with emphasis on building construction; or an equivalent combination of education and experience.