

ARCHITECTURAL DRAFTING TECHNICIAN 3

KIND OF WORK

Difficult architectural drafting work.

NATURE AND PURPOSE

An employee in this class is responsible for the application of architectural drafting skill to problems of considerable technical difficulty but not involving full professional judgement or responsibility in the preparation of plans, designs, specifications and estimates for additions and alterations to state buildings, and for the examination and initial approval of shop drawings submitted for construction of state buildings. This employee may provide direction to less experienced employees in a lead work capacity. Assignments are to projects and include directions regarding results to be accomplished. General supervision is received during progress of the work, and affords opportunity for the use of independent judgement in the details necessary to obtain the desired results. A final review of work is made by supervisors for results obtained.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Prepares plans, details and specifications for the construction, repair or alteration of state buildings.

Prepares cost estimates, material lists and schedules in connection with architectural drafting work, or condemnation proceedings.

Makes difficult engineering computations and designs.

Assists in the preparation of standard specifications for building construction.

Confers with superiors in regard to planning and designing of repairs and alterations.

Analyzes soundness of structures acquired by the state and determines whether the structure can be moved.

Checks specifications with completed drawings.

Secures information as to size, style, cost, materials and other factors related to building design.

Performs related work as required.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Considerable knowledge of the principles and practices of architecture and structural engineering.

Knowledge of construction materials and their uses in building design.

Skill in:

Skills in architectural drafting and the use of computing instruments and mathematical tables.

Ability to:

Ability to perform difficult technical computations, design, and estimates.

Ability to plan, prepare and interpret architectural plans and specifications.

Est.: 9/27/40  
Rev.: 11/24/59, 4/81

TC: 4/19/72  
Former Title(s):