

DRAFTSPERSON II**NATURE OF WORK**

This is drafting work at the journeyman level in the making of charts and drawings; the compilation of data for the construction of charts and drawings; the preparation of multi-view assembly and sub-assembly illustrations and drawings as required for manufacture and repair of mechanisms.

Assignments are performed with relative independence and duties normally involve a considerable variety of assignments which require the application of drafting knowledge and skills acquired from experience and/or training. Work involves the drafting of drawings for documenting and graphically communicating engineering, architectural or other plans and information and the assembly, evaluation, selection and presentation of data for and the actual construction of such technical drawings, eg. mechanical, cartographic, structural, geological, electrical. New and more complex assignments are either accompanied with instructions or are subject to closer supervision or scrutiny by a superior. Work is usually subject to review or evaluation upon completion.

ILLUSTRATIVE EXAMPLES OF WORK

Prepares plans and working drawings for additions to existing buildings or for specific sections of major buildings.

Reviews, prepares new and/or updates to an "as built" condition existing structural, mechanical, ventilation, electrical drawings.

Prepares layouts, preliminary drawings of assemblies and sub-assemblies and components of equipment for engineering and manufacturing purposes requiring the use of free hand sketches, blow-ups isometric and standard drawings.

Prepares and revises maps, diagrams, profiles, cross sections, graphs and charts to illustrate, depict and convey data and various information such as topographical, subsurface geological, planimetric features and cartographic detail.

Operates a variety of equipment and machines and utilizes knowledge of engineering practices, mathematics, building materials and other physical sciences to complete drawings.

Performs work associated with the preparation of drawings or subsidiary to the specific area of involvement such as duplicating slides, maintaining map collections, publications and records, selecting and ordering supplies, applying mathematical formulae, gathers information, reviews and arranges in sequence for graphic presentation.

May instruct others in the basic use of drafting equipment.

Performs related duties as required.

REQUIREMENTS OF WORK

Considerable experience in drafting; graduation from high school supplemented by the completion of recognized trade school courses in drafting and related subjects; or any equivalent combination of training and experience which provides the following knowledge, abilities and skills:

Knowledge of the principles, practices and equipment of cartographic and engineering drafting.

Ability to read and interpret plans, maps, aerial photographs, complex written instructions and layouts.

Ability to complete drafting assignments within accepted standards of accuracy, neatness and productions.

Ability to maintain effective working relationships with faculty, administration and research personnel.

Skill in the use of drafting equipment instruments and material.

Possession of a current certificate of competency in drafting issued by a recognized technical institute.

2022

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Under Review: 2004 01 05