

Senior Building Technologist

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OVERVIEW

Reporting to the Manager of Capital Planning and Implementation, the Senior Building Technologist is responsible for conceptualizing, designing, project reports and drafting of renovation and construction projects. This position is responsible for technically difficult projects, which may include drawings with elevators and lifts, portable moves, reconfiguring spaces and working on a wide range of projects with the various consultants and contractors required.

POSITION DESCRIPTION SENIOR BUILDING TECHNOLOGIST

SBT - 1

Designs and drafts architectural, mechanical (plumbing, HVAC), electrical and site plans, and millwork and furniture using computerized and standardized drafting techniques

SBT - 2

Measures building sites and facilities spaces, including crawl spaces and roofs, to interpret the space requirements required for the design process

SBT - 3

Consults with clients, facilities staff and supervisor to translate verbal or written expectations/instructions into preliminary design sketches through to working drawings and specifications

SBT - 4

Promotes cost effective and efficient designs, and recommends design alternatives to clients.

SBT - 5

Assists in preparing project budgets and cost estimates for submission to the Manager

SBT - 6

Calculates area and quantity takeoffs of building, sites, furniture and equipment to interpret space requirements

SBT - 7

Assists in preparation of layouts, drawings and designs according to applicable codes, bylaws, regulations, specifications and standards,

SBT - 8

Prepares colour and finish schedules

SBT - 9

Assists in the completion and preparation of District work upon completion and prepares a deficiency list as required in consultation with the Manager

SBT - 10

Assist in the review and approval of consultants' drawings and specifications to ensure they meet District standards and needs

SBT - 11

Prepares and issues work orders

SBT - 12

Assists in the gathering of related information to assist to District staff, engineers, architects and the public, provide answers to project related questions

SBT - 13

Maintains and updates building plans, technical information, catalogues, drawings and other related information on School Board facilities

SBT - 14

Operates a motor vehicle, drafting scales, blueprint duplicators, microfilm viewers, plotters and other related equipment

SBT - 15

Performs other assigned comparable or transient duties which are within the area of knowledge and skills required by this job description

QUALIFICATIONS SENIOR BUILDING TECHNOLOGIST

<p>EDUCATION</p>	<p><i>TECHNICAL REQUIREMENTS</i></p> <p>Grade 12 or equivalent, and</p> <p>Two (2) year post secondary diploma in Building Technology or similar technology program from a recognized institution</p>
<p>EXPERIENCE</p>	<p><i>TECHNICAL REQUIREMENTS</i></p> <p>Four (4) years public sector, computerized building design experience OR six (6) years related experience</p>
<p>KNOWLEDGE</p>	<p><i>TECHNICAL REQUIREMENTS</i></p> <p>Knowledge of computerized (AutoCAD) and standardized drafting methods, practices and techniques</p> <p>Knowledge of applicable building codes and local bylaws and regulations governing construction work</p> <p>Knowledge of current engineering and construction design principles, methods and techniques</p> <p>Knowledge of planning and building approval processes</p>
<p>SKILLS AND ABILITIES</p>	<p><i>TECHNICAL REQUIREMENTS</i></p> <p>Ability to read and interpret engineering plans and make arithmetic calculations and estimates</p> <p>Ability to conceptualize, create plans and interpret space requirements as outlined from site visits and discussions with School District staff</p> <p>Skilled in using personal computers and related software such as Word and other Microsoft products</p> <p><i>INTERPERSONAL REQUIREMENTS</i></p> <p>Ability to work with minimal supervision</p> <p>Ability to relate to and maintain effective relationships with staff and the public</p> <p>Ability to effectively convey ideas and information orally and through the written word using language that is appropriate to both the complexity of the topic and the knowledge and understanding of the audience</p>

	<p>Ability to work effectively with internal and external clients to identify their needs, provide information or assistance, resolve problems, and/or satisfy their expectations by providing quality work</p> <p>Ability to accurately interpret and follow oral and written instruction to create quality work products or perform other tasks, seeking clarification as needed</p> <p><i>PROBLEM SOLVING REQUIREMENTS</i></p> <p>Ability to work precisely and thoroughly to produce timely and accurate work products</p> <p>Ability to work accurately, noticing minor details, recognizing, and rectifying errors</p> <p>Ability to develop and apply appropriate methods, procedures and policies</p> <p>Ability to effectively schedule and manage workload to ensure smooth and efficient operation of work</p>
<p>WORKING CONDITIONS</p>	<p><i>OCCUPATIONAL REQUIREMENTS</i></p> <p>Sufficient vision and hearing to perform related job duties</p> <p>Able to perform related physical and mental activities</p> <p>Able to work on active construction sites</p> <p>Valid BC driver's license</p> <p>Able to occasionally lift and move up to 18 kg (40lbs) and operate related equipment</p>

Reviewed February 2022