

LEED® GOLD CERTIFICATION

Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ is a third-party certification program and an internationally accepted benchmark for the design, construction, and operation of high performance green buildings.

The B.C. Government requires that all new provincially-owned or leased buildings will be built to a minimum of LEED Gold or equivalent criteria. Key strategies embedded in this proposed design include:

Heat Island Reduction: Light coloured paving and roof materials help to minimize the overheating of urban areas.

Light Pollution Reduction: Light trespass from the building will be eliminated to reduce impact on the nocturnal environment.

Stormwater Management: Disruption and pollution of natural water flows will be limited by managing stormwater runoff.

Water Efficient Fixtures: Low-flow plumbing fixtures can help reduce the school's water consumption by 30-50%.

Water Efficient Landscaping: Little or no potable water will be used for irrigation.

Optimized Energy Performance: Operable solar shades and energy efficient heating and lighting equipment will conserve both electricity and fossil fuels.

Storage & Collection of Recyclables: Space will be designated for sorting and storing recyclable materials.

Recycled and Regional Materials: Building materials with recycled content, that are recyclable, and that are manufactured locally will be given preference wherever possible.

Ventilation Effectiveness: Outdoor air will be introduced to classrooms and other spaces through natural ventilation.

Low-emitting Materials: Paints, coatings, adhesives, and sealants with reduced levels of volatile organic compounds (VOCs) will be specified.

Indoor Chemical & Pollutant Source Control: Exposure of building occupants to potentially harmful pollutants will be minimized.

Daylight and Views: It is expected that at least 75% of regularly occupied spaces will be daylit and at least 90% will have a view to the outdoors.

WOOD FIRST INITIATIVE

B.C.'s Wood First Act requires wood to be considered as the primary building material in all new publicly-funded buildings, such as schools, libraries or sports complexes.

The new Pitt River Middle School will be build with a glued laminated (glulam) timber frame structure and wood will be used as a finish throughout.

SECTION: Through Entry Plaza and Classrooms

