



CRESTON HOUSE (THOMPSON RIVERS UNIVERSITY)

KAMLOOPS, BC



QUICK FACTS

- + Residential
- + Multi-Phase Development
- + Post-Secondary Campus
- + Surpassed energy efficiency requirements by 60%
- + 53,000 square feet
- + Smith + Andersen Mechanical



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ABOUT THIS PROJECT

- + Multi-phase development providing additional residential spaces on the Thompson Rivers University Kamloops Campus.
- + Part of “The Reach” - a 90-acre master-planned community on Thompson Rivers University endowment lands.
- + Includes 48 units, as part of a 20-year initiative to welcome 7,500 residents to the area.
- + Four-storey, wood-frame building configured in an “L-shape” layout, supplemented with two levels of underground parking and a rooftop terrace.
- + Provided efficient heating and cooling, resulting in a high-performance design.
- + Underground plumbing and drainage design required careful navigation of the site grading, resulting in an effective, project-specific solution.
- + Seasonal temperature changes were a key design consideration, as the region experiences very cold winters and hot summers.
- + Utilized the most appropriate air conditioning system to mitigate these challenges, with a two-pipe fan coil unit chiller and boiler system.
- + Mechanical design includes an air-cooled chiller system, as well as a high-efficiency heating plan.

LOCATION
Kamloops, BC

**SMITH + ANDERSEN
SERVICES PROVIDED**
Mechanical

KEY TEAM MEMBERS
SUVA Architecture

SIZE
53,000 sq. ft. (4,923 sq. m.)

BUDGET
\$12 Million

COMPLETION YEAR
2019

HOT BUTTONS

MECHANICAL DESIGN

RESIDENTIAL

WOOD-FRAME

PARKADE

SUSTAINABLE DESIGN

ROOFTOP TERRACE

MULTI-PHASE

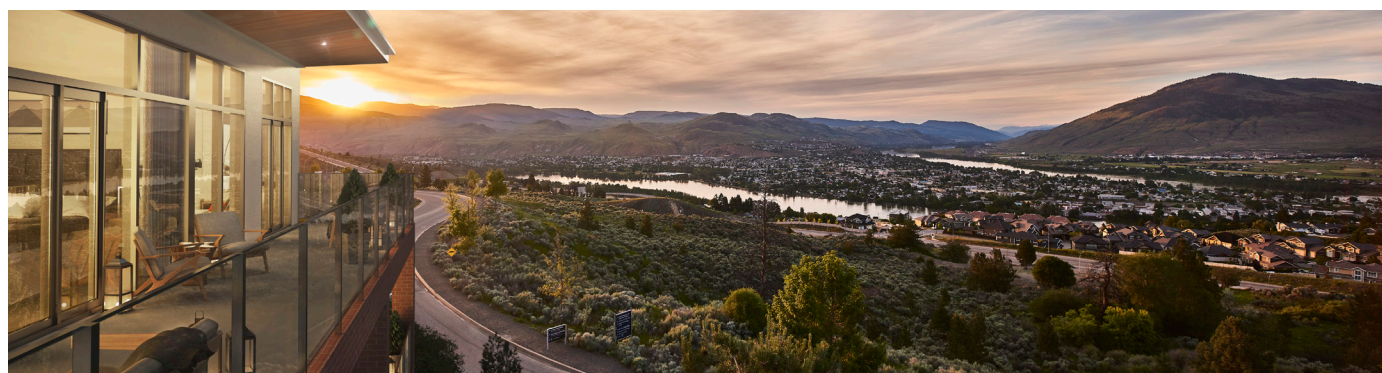


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