



RED DEER COLLEGE STUDENT RESIDENCE

RED DEER, AB



QUICK FACTS

- + Integrated Project Delivery
- + Post-Secondary
- + Heavy Timber
- + 62,430 square feet
- + \$18 Million Budget
- + Clean 50, *Top Project* (2021)
- + Smith + Andersen Mechanical





RED DEER COLLEGE STUDENT RESIDENCE

ABOUT THIS PROJECT

- + This student residence includes 145 units, multiple gathering spaces, a reception desk, a communal kitchen, laundry facilities, washrooms, study rooms, and lounges.
- + The design focused on sustainability (the entire east, south, and west faces of the building are clad with photovoltaic panels).
- + Smith + Andersen engaged as the mechanical design consultant.
- + Completed through an Integrated Project Delivery (IPD) approach which featured a heavy timber structure.
- + Required significant coordination with both the architect and the structural contractor to accommodate the exposed wood of this heavy timber building.
- + Mechanical design took a vertical systems approach, with piping and servicing coordinated via shafts or pipe chases to avoid obstructing the wood with horizontal systems.
- + The mechanical design also included a four pipe fan coil unit system with dedicated outdoor air ventilation and a condensing hot water heating system.

LOCATION
Red Deer, AB

**SMITH + ANDERSEN
SERVICES PROVIDED**
Mechanical

SIZE
62,430 sq. ft. (5,800 sq. m.)

BUDGET
\$18 Million

COMPLETION YEAR
2019

AWARDS
Clean 50, *Top Project* (2021)

HOT BUTTONS

POST-SECONDARY

IPD

HEAVY TIMBER

PHOTOVOLTAIC

