



# SALUS CLEMENTINE

OTTAWA, ON

## QUICK FACTS

- + Multi-Unit Residential
- + Mental Health
- + Passive House Certified
- + LEED® Platinum
- + \$71-million Budget
- + Smith + Andersen  
Mechanical and Electrical



PHOTO CREDIT: Alina Cornea Architectural Photography



# SALUS CLEMENTINE

## ABOUT THIS PROJECT

- + First multi-unit residential passive housing project in Canada.
- + By reaching the passive house standard, the heating demand is reduced by up to 85 per cent, compared to the current Ontario Building Code.
- + Additionally, as Ottawa's most sustainable affordable housing, national greenhouse gas (GHG) emissions are reduced by 75 per cent on heating only.
- + Each apartment operates year-round on a heating budget of \$27 per year.
- + Project consists of a four-storey, 42-unit structure and houses men and women who experience mental illness.
- + Provides rehabilitation, community support, recreation, and housing services.
- + Achieved LEED for Homes Platinum - Mid-rise Certification, as well as Passive House Certification.
- + There were certain challenges that were taken into consideration when designing the mechanical systems.
- + Measures were taken to ensure that the target for space heating demand was less than 15 kWh/ m<sup>2</sup>/yr and that the primary energy demand was less than 120kWh/ m<sup>2</sup>/yr.
- + Mechanical ventilation heat recovery is a prerequisite of Passive House.

### LOCATION

Ottawa, ON

### SMITH + ANDERSEN

#### SERVICES PROVIDED

Mechanical, Electrical

### KEY TEAM MEMBERS

CSV Architects

### SIZE

22,421 sq. ft. (2,083 sq. m.)

### BUDGET

\$7.1 Million

### COMPLETION YEAR

2016

### SUSTAINABILITY

LEED Platinum  
Passive House Certified

### AWARDS

CaGBC, *Green Building Excellence, Inspiring Home*  
(2018)

Canadian Housing and Renewal Association, *Sustainability Award*  
(2017)

## HOT BUTTONS

RESIDENTIAL

LOW RISE

PASSIVE HOUSE

SUSTAINABLE DESIGN

MECHANICAL DESIGN

ELECTRICAL DESIGN

LEED PLATINUM



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