



Photo: Lindsay Reid

AMBER TRAILS COMMUNITY SCHOOL

The LEED Platinum certified Amber Trails Community School, designed by Prairie Architects Inc. for the Seven Oaks School Division, opened in 2015. Just a few short years later, an eight-classroom addition was constructed to accommodate the growing population in the area. The addition received LEED Gold certification in 2023.

The addition is modelled after the original school design where groupings of classrooms are clustered around shared, open multi-purpose areas. The eight-classroom addition increased the capacity of the school from 800 to 1,000 students and complements the existing school's attributes, incorporating key principles of sustainability such as enhanced building commissioning and exceptional energy performance.

Some noteworthy elements include: hydronic radiant floors controlled from the building automation system (BAS), using hot water supplied from the existing school's central ground source heat pump (GSHP); constant volume air distribution via active chilled beams in the classrooms; and both hot and chilled water supplied from the existing GSHP system with a 20-ton upgrade to the heat pump module to provide the incremental plant capacity required for the addition.

PROJECT FACTS

OWNER Seven Oaks School Division

LOCATION Winnipeg, Manitoba

AREA 11,324 sf (addition)

COST \$3.3 Million (addition)

YEAR COMPLETED 2019 (addition)

CONTRACTOR Three-Way Builders

CONSULTANTS Architect: Prairie Architects Inc. / **Structural Engineering:** Wolfrom Engineering Ltd. / **Mechanical & Electrical Engineering:** WSP / **Landscape Architect:** HTFC Planning & Design / **Interior Design:** Prairie Architects Inc. / **Sustainable Project Management:** Prairie Architects Inc. / **Commissioning:** Integrated Designs Inc. (now Crosier Kilgour)