



## BRANDON MUNICIPAL AIRPORT EXPANSION AND RENOVATION - BRANDON, MB

**The City of Brandon commissioned Prairie Architects to address the expansion and redevelopment of their aging 1970's Municipal Airport to a fully renovated 14,700sf facility in Brandon, Manitoba. The primary intent was to accommodate larger airline carriers operating B737 aircraft at anticipated 80% load factors along with modern passenger check-in, screening, boarding, luggage and arrival services.**

Prairie Architects developed a multi-phased approach that maintained seamless daily operation of the existing terminal and

minimized any impact on passenger travel during the full duration of construction. Elements of the building design were selected to maximize occupant comfort and minimize energy consumption with design features that included improved envelope, high efficiency space heating, variable speed pump controls, reduced lighting power densities, controls and daylight sensors, demand-controlled ventilation and exhaust air heat recovery. Over 82% of original structural components were maintained and over 98% of regularly occupied spaces have views to the outdoors and receive natural light. The airport maximizes water efficiency with the use of low flow fixtures, with over a 43% reduction. The LEED Gold certified airport has been designed with optimal ventilation that includes 100% fresh air ventilation and incorporates low VOC materials. 83% of waste was diverted from the landfill to local end-use recycling facilities.

**prairie**  
architects inc.