



TORONTO PUBLIC LIBRARY ALBION BRANCH



The new Albion Library, complete with children’s area, computer learning centre, digital innovation + makerspace and sloping green roof for rainwater direction, has been widely celebrated for its design and multi-coloured terracotta exterior. With a construction budget of approximately \$15 million, this 29,280 ft² facility, designed by Perkins + Will Canada, is one of the most utilized facilities in the Toronto Public Library System. The HIDI Group provided mechanical design with the scope that covered HVAC design which included a heating plant, interior zones / exterior zones air conditioning systems, under floor air distribution and ventilation and heating for unoccupied areas, plumbing and fire protection up to the main service lines.

Challenges:

Due to the Library’s full height glass windows HIDI needed to invent a creative way to provide heat to the perimeter. Our solution was to coordinate with the civil engineer to design a trench in the floor where we could run the heating elements and piping to supply heat to the required areas.

Sustainability Initiatives:

The use of high efficiency equipment and low flow fixture insured the reduction of water waste and energy consumption to decrease the buildings carbon footprint.

8 DISCIPLINES

- MECHANICAL
- ELECTRICAL
- PLUMBING
- LIGHTING DESIGN
- COMMUNICATIONS & AV
- SECURITY & RISK
- COMMISSIONING
- ENERGY SERVICES

LOCATION: Toronto, Canada
CLIENT: Perkins + Will Canada
OWNER: Toronto Public Library
ARCHITECT: Perkins + Will Canada
SIZE: 29,280 ft² / 2,720 m²
CONSTRUCTION VALUE: \$15 Million CAD
PROCUREMENT TYPE: Design Bid Build
COMPLETION YEAR: 2017
AWARDS: Canadian Architect Award of Excellence (2015) AIA – COTE Top Ten (2018) 2019 OLA New Library Building Award
MARKET SECTOR: Institutional