

Stirling Public School



Client:

Hastings and Prince Edward
District School Board

Location:

Stirling, Ontario

Start Date:

Spring 2012

Completion Date:

Fall 2013

Construction Value:

\$10.2 million

Client Contact:

Available upon request

Key Personnel:

Bill Weekes CET RCDD CFOT

Kenji Tan

Services Provided:

- Project Management
- Conceptual Design
- Design Development
- Construction Documents
- Construction Administration
- Commissioning
- Close-Out Documentation

Project Type: Design-Bid-Build

Project Role: IT/Communications and Security Design Consultant

Description: Stirling Public School is a new 6,300m² (67,600 ft²) two storey elementary school opened in the fall of 2013 serving grades K-8. This new school was designed to facilitate the closure of three former primary, intermediate and senior elementary schools. Amongst 24 classrooms, 5 kindergartens, 1 special education classroom, double gym and library the school has a fully equipped music room, large performance stage, smart boards in every classroom and both an open space learning commons and a learning loft for students to collaborate. Stirling Public School has a total occupant capacity of 734 people.

Stirling Public School is the second school within the board to introduce power over ethernet, internet protocol, network video security cameras and voice over internet protocol telephony. Fancom provided the communications infrastructure design for all voice, wired and wireless data, public address, auditorium audio-visual, and security infrastructure design for video monitoring, intrusion detection and front entrance electronic access control. The infrastructure includes 13.7 km (45,000 ft.) of Category 6 cabling for all IP based systems, Category 5e cabling for PA and intrusion detection systems and traditional shielded and unshielded audio cabling for the stage presentation audio systems. To encourage small group work, floor boxes in the learning commons and poke-throughs in the loft floor provide IT device access to power and the schools computer network.

HPEDSB together with Fancom has increasingly established new systems standards and layout practices to be implemented in all new school builds and where possible, new additions to existing infrastructure.

Systems Designed:

Division 27: Communications

- Pathways and Spaces
- Grounding and Bonding
- Voice System Cabling
- Wired and Wireless Data System Cabling
- Public Address System Components and Cabling
- Auditorium Audio-Visual System Cabling
- Outside Plant (OSP) Ducts for Telecom Service Provider Copper/Fibre Cabling

Division 28: Electronic Safety & Security

- IP Network Video Security System Cabling
- Intrusion Detection System Components and Cabling
- Access Control System Components and Cabling