

Tweed Elementary School



Client:

Hastings & Prince Edward
District School Board

Location:

Tweed, Ontario

Start Date:

Spring 2012

Completion Date:

Fall 2013

Construction Value:

\$7.3 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: Tweed is a new one storey elementary school opened in the Fall of 2013. This new 3 600 m² (39,000 ft²) school was designed to facilitate the closure of two former Tweed schools. The school houses several primary, kindergarten and special education classrooms, a double gym and library for a total occupant loading of 375 people.

Fancom played the important role in the infrastructure design for all data, voice, wireless, public address, video surveillance, intrusion detection and access control systems. The infrastructure includes several kilometres of Cat 6 cable for the voice, data, and IP video surveillance systems. For all PA speakers and motion sensors Cat 5e cable was installed. Additionally, audio-video systems infrastructure and cabling were specified and installed in the gym and library/learning commons to support presentations and theatre arts.

Another integral component of this project was the standardization of communications design throughout the school. Using Tweed Elementary School as a prototype, Fancom was able to work with the Hastings and Prince Edward District School Board to establish standardized system layout practices as well as suggest products to be installed across all schools in the Board.

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