



## PCL CENTENNIAL LEARNING CENTRE EDMONTON, ALBERTA, CANADA

**W**ith its 100-year anniversary in sight, Edmonton, Alberta-based PCL felt the construction of its new headquarters would be a perfect way to celebrate the company's vast success and dedication to building high-quality, sustainable structures. The plans were magnificent, incorporating the latest and greatest materials in the building and construction industry to link two existing structures on the company's 3.3-acre campus.

Cohos Evamy integrated design was awarded the honor of designing PCL's new headquarters, aptly named "PCL Centennial Learning Centre." It was PCL's vision to create a state-of-the-art structure that would achieve Leadership in Energy and Environmental Design (LEED®) Gold certification.

"This was a unique opportunity to create a masterful work of energy efficiency and sustainability for one of the most well-respected building contractors around," said Keith Robinson, lead specification writer and building envelope specialist for Cohos Evamy. "We chose only the best materials, including Super Spacer® in all the window systems."

The PCL CLC design incorporated approximately 18,000 square feet of glass, accounting for 60 percent of the building's exterior walls using double and triple pane Super Spacer IG with Low E glass.

"The use of glass in a project such as this is not only aesthetically pleasing, but can also benefit our efforts to save energy," Robinson said. "Harvesting natural daylight serves to reduce lighting costs, but to make this possible; you have to know that your window systems are going to provide optimal thermal performance and durability." When specifying the spacer system, the Cohos Evamy team looked

at a few different systems before choosing Super Spacer. Decision factors included condensation resistance, energy efficiency, wind resistance, structural strength and long-term durability/sustainability.

"Super Spacer was chosen because it embodies these attributes and is a known contributor to LEED® certification," Robinson added. "We regularly specify Super Spacer in our projects and have been pleased with Quanex's ability to provide data that we can easily input into our modeling system."

The PCL CLC building was completed in June 2006 in time for its 100th anniversary celebration. With the thoughtful planning that went into the project, the design and building team were able to achieve the coveted LEED Gold certification. It was the first private-sector building in Alberta to accomplish this.



## TECHNICAL DETAILS OF THE PROJECT



### THE CLIENT

PCL Centennial Learning Centre

### THE PROJECT

2,430 m<sup>2</sup> employee learning centre that is the central hub for PCL's corporate headquarters, completed in 2006.

### GLAZING CONSTRUCTION

The PCL CLC design incorporated approximately 18,000 square feet of glass, accounting for 60 percent of the building's exterior walls using double and triple pane Super Spacer IG with Low E glass.

### ARCHITECT

Cohos Evamy integratedesign

### HEAD SPECIFICATION WRITER

Keith Robinson

### CONTACT

<http://www.cohos-evamy.com/>

