A World-Class Medical Centre
The Institute of Advanced Medicine and Siemens introduce an ultra-modern facility

Smartpark Office on Water

Earth-Friendly Construction
Grand Beach and its shoreline-inspired restroom
EllisDon
We build on great relationships™

Construction Management  Project Management  General Contracting
Equity Services  Facility Services  Public Infrastructure  Design-Build
Communications Infrastructure  Interior Design  Heavy Civil

 Builders of the new Winnipeg Air Terminal

Winnipeg’s New Office Now Open
Ste. 204-1780 Wellington Ave.

Darryl Fife, VP Area Manager t: 204-779-6441 f: 204-779-5266 www.ellisdon.com
Workplace Injuries Are PREVENTABLE

For more information on preventing injuries visit www.safemanitoba.com
LEEDing the Way: The Portage Credit Union Centre .................................................. 25
With natural lighting, recycled materials, water-efficient and energy-saving facilities, and a system that redirects heat, the multi-purpose centre has its sights on LEED Silver certification
By Kelly Parker

A World-Class Medical Centre .................................................................................. 30
The Institute of Advanced Medicine and Siemens introduce an ultra-modern medical facility at the Health Sciences Centre Campus
By Kelly Parker

The Hope Project at HSC ......................................................................................... 33
Health Sciences Centre leukemia patients and their families are holding out hope for a newly renovated unit that will provide specialized comforts and a better place to heal

Earth-Friendly Construction ...................................................................................... 34
As the first rammed earth structure in Manitoba, the state-of-the-art restroom at Grand Beach Provincial Park will feature a green roof and will also be uniquely located on sand dunes
By Kelly Parker

Smartpark: Office on Water ....................................................................................... 36
With its location above a retention pond and a high-tech design that includes reflective materials, a new office building in the Smartpark Research and Technology Park will be a unique 'super building'
By Kelly Parker

DEPARTMENTS
An Engaging Construction Expo ............................................................................... 6
By John Schubert

WCA: Sharing ALL Construction Work, at ANY Phase, Through ANY Method ................ 8
By Ron Hambley

Foreword ................................................................................................................... 10

Your Career in Construction Starts Here! ................................................................ 18
The first-ever Manitoba Construction Career Expo encourages students to try their hand at a career in construction
By Twila Driedger

Benchmarks .............................................................................................................. 22
Foreign Workers in Canada
By R. Reis Pagtakhan

Safety Talks ................................................................................................................ 23

Around Manitoba ...................................................................................................... 39

Industry News .......................................................................................................... 48

Advertisers Index ................................................................................................... 50
Construction is a very dynamic industry and those of us who are involved in it every day tend to overlook the fact that many young people do not often get a chance to see what it is all about — yet these are the very people we need to engage if we hope to solve our skilled labour shortage. Engagement was exactly what happened at WCA's 2009 Manitoba Construction Career Expo.

The first-annual Expo was a huge success, with a total of 820 registered student attendees, over 50 teachers and 30 exhibiting organizations. Many students were introduced to a variety of skilled trades and encouraged to consider a career in construction.

I would like to take this opportunity to acknowledge the following participating sponsor organizations and associations that helped make the Expo a success:

- Construction Safety Association of Manitoba
- Manitoba Masonry Institute/Manitoba Masonry Contractors Association
- Manitoba Mechanical Contractors Association
- Architectural Woodwork Manufacturers Association
- Manitoba Wall & Ceiling Association
- Manitoba Ready Mix Concrete Association
- Merit Contractors Association of Manitoba
- Winnipeg Technical College
- Manitoba Heavy Construction Association
- Manitoba Home Builders’ Association
- DeWalt Tools
- Concord Projects Ltd.
- PCL Constructors Canada Inc.
- Roofing Contractors Association of Manitoba
- Bird Construction Company
- Manitoba Steel Fabricators Association/Canadian Institute of Steel Construction
- Battlefield Equipment Rentals
- United Rentals
- Manitoba Shingling Contractors Association
- Apprenticeship Manitoba

We have had some excellent feedback from the participating schools. As difficult as it is to get young people engaged in activities, this event proved that it is possible.

"Just a short note to express my most sincere thanks on behalf of our students for the opportunity to participate in the first Manitoba Construction Career Expo. It was terrific; actually the best career symposium I’ve ever participated in. It was extremely well organized, and the interactive sessions were absolutely wonderful. Your presenters did a superb job of answering all of the students’ questions and also in encouraging them to try their hand at some jobs. You did an excellent job of advertising the expo, and the diffusion of the information was prompt and very detailed. The teachers who accompanied our students were extremely impressed with the expo. The students thoroughly enjoyed their day and a number of them are now thinking of the construction industry as a very viable career option."

Emilie Bissonnette, Guidance Counsellor, Collège Régional Gabrielle-Roy

I think it is safe to assume we will be doing another Expo next year and we will look to our members and fellow construction associations for their support. To check out a video clip of the Expo, visit http://shawtv.com/Winnipeg and click on Viewer Favourites or tune into Shaw TV.

From the President
An Engaging Construction Expo

John Schubert, B.A., M.B.A., P.GSC

Officers & Directors 2009

President
John Schubert
McCaine Electric Ltd.

Vice-President
Randy Clegg
Parkwest Projects Ltd.

Executive Vice-President
Ron Hambley
Winnipeg Construction Association

Treasurer
Ryan Einarson
Westwood Mechanical Inc.

Immediate Past-President / Past-President without Portfolio / Nomination Committee
John Bockstael
Bockstael Construction Limited

Chair, General Contractors Division
Peter Withoos
M.D. Steele Construction Ltd.

Chair, Mechanical Contractors Division
Bob Modjeski
Wescan Electrical Mechanical Services

Chair, Standard Practices Committee
Rolf Langelotz

Chair, Manufacturers & Suppliers Division
Bryan Vandale
All Weather Windows

Chair, Trade Contractors Division
Harry Loewen
Loewen Drywall Ltd.

Chair, Electrical Contractors Division
Christopher Henry
Wescan Electrical Mechanical Services

Director-at-Large, Education Committee
Andy Dutfield
Lafarge North America

Director-at-Large
David Willoughby
Vida Insulation Inc.

Director-at-Large / CIWA Representative
Bill Sharpe
Man-Shield Construction Inc.

Director-at-Large
Will Slota
Concord Projects Ltd.

Director-at-Large
Wolfgang Rolke

Director-at-Large
Sean Barnes
PCL Constructors Canada Inc.

Director-at-Large
Andy Tremorin
Comstock Canada Ltd.

Director-at-Large
David Thusberg
Bird Construction Co.
At Aikins, MacAulay & Thorvaldson LLP, we are committed to learning about your business and providing legal advice to enhance your business decisions. We extend to our local, regional and international clients the skill and experience of 90 lawyers whose practice areas include:

- Construction Law
- Mediation
- Arbitration
- Litigation
- Labour and Employment
- Insurance
- Municipal Law
- Technology
- Trade-marks
- Regulation of the Professions
- Legislative Drafting
- Environmental Law
- Insolvency
- Corporate and Commercial
- Taxation
- Securities Law
- Aboriginal
- Real Estate
- Criminal
- Family Law
- Wills and Estates
- Business Immigration
- Transportation

**Contact Person:**
Betty A. Johnstone
204.957.4650
baj@aikins.com
From the Executive Vice-President

WCA: Sharing ALL Construction Work, at ANY Phase, Through ANY Method

Winnipeg Construction Association has been in the construction information sharing business for 105 years. Our role has expanded, our methods have evolved, and I believe we do a very good job in this area. Last year we hosted over 2,000 projects, both publicly and privately funded, and in all delivery methods. Given this history, we sometimes get a little too comfortable in assuming that the entire construction community fully appreciates what we do. An email sent from a local non-member contractor to a designer, and widely copied, is a perfect example that we need to continue to be vigilant on our messaging:

“I am somewhat curious as to why drawings are being sent to the Winnipeg Construction Association. It was my understanding that only a select number of qualified general contractors would be allowed to price this project. By putting these drawings out at the construction association, we are inviting bids from any subtrade; some who may have a history of poor performance. As a general contractor, we are almost forced to use these prices rather than our own qualified trades or we will not obtain the work.”

The designer responded to the contractor with the following email: “I believe it is important to ensure all parties are aware of the work that the WCA does in that theirs is a service not only to the contractors but consultants and owners as well.”

Obviously, we responded to the contractor’s unprofessional statement (after counting very slowly to 10) and the designer thanked us for our careful explanation of our processes. WCA staff and board have worked very hard to build a positive relationship with the design community and public and private purchasers of construction and we don’t want comments like this to undermine those efforts.

We need to be clear on two messages: First, in order for quality estimates or bids to be prepared, hundreds of subs and suppliers need to have ready access to the project information. As of yesterday, there were 137 projects in the planroom competing for attention. And second, WCA is not just about public projects. We are committed to gathering and sharing ALL construction work, at ANY phase, in any design process and through ANY construction delivery method. Please help us remind everyone of this as we continue another busy construction season.

Ron Hambley
Write the Tax Man Out of Your Will

A tax-planned Will can provide significant tax savings for your children and their families.

John and Barb Smith retired 10 years ago after selling their business. John died 6 years ago, leaving everything to Barb, including life insurance proceeds. Barb passed away three years later leaving the following estate:

<table>
<thead>
<tr>
<th>Barb’s Estate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>House</td>
<td>$360,000</td>
</tr>
<tr>
<td>Cottage</td>
<td>$260,000</td>
</tr>
<tr>
<td>Non-registered cash and investments</td>
<td>$500,000</td>
</tr>
<tr>
<td>RRIF</td>
<td>$400,000</td>
</tr>
<tr>
<td>Shares of InvestCo Ltd. (cash and investments)</td>
<td>$500,000</td>
</tr>
<tr>
<td>Total</td>
<td>$2,400,000</td>
</tr>
</tbody>
</table>

Barb and John had two children. Their son Keith, 53, is an executive who is married with no children. Daughter Wendy, 49, is a dentist; she is married with three children, ages 17, 14 and 12. Keith and Wendy are high income earners, which means a tax rate of 46.4% on every additional dollar they earn.

John and Barb Had Typical “Simple” Wills

John’s and Barb’s Wills provided, basically:

Everything to the spouse, provided that if the spouse is deceased, everything to the children in equal shares.

When Barb died, the house and cottage were sold, and InvestCo Ltd. was wound up. After all taxes were paid, Keith and Wendy each received close to $1,000,000 in cash.

For several years Keith and Wendy each realized on average $50,000 of interest income from the inheritance. Taxed at the high rate of 46.4%, they have each lost about $23,200 of this income to taxes, every year.

What if John and Barb had “Deluxe” Wills?

Assume John and Barb are both still living, and they get some specialized estate and tax-planning advice.

John and Barb could provide in their Wills that on the death of the second of them, the share of each child will be held in trust for his or her children and future children.

These testamentary trusts can produce tax savings because:

- Income produced by the assets in each trust can be taxed in the trust which is a separate taxpayer with graduated marginal rates. The beneficiary can still receive the income net of tax.

- If any beneficiaries of the trust are taxed at low marginal rates, the income may be paid to them, achieving income splitting.

Tax Results

For Keith, much of the $50,000 of income will be taxed at the lowest marginal rate instead of his high rate. Keith will lose only about $14,053 to tax each year (at 2009 tax rates) rather than $23,200 as he would without a trust.

Keith’s tax savings

<table>
<thead>
<tr>
<th>Tax on $50,000 income - with no trust:</th>
<th>$23,200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tax on $50,000 income - with trust:</td>
<td>$14,053</td>
</tr>
<tr>
<td>Annual tax saving</td>
<td>$9,148</td>
</tr>
</tbody>
</table>

Wendy’s tax savings

<table>
<thead>
<tr>
<th>Tax on $50,000 income - with no trust:</th>
<th>$23,200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tax on $50,000 income - with trust:</td>
<td>$5,470</td>
</tr>
<tr>
<td>Annual tax saving</td>
<td>$17,730</td>
</tr>
</tbody>
</table>

Careful Will drafting could allow the trustees to use the trust assets for any beneficiary, to wind up the trust at any time, and to take advantage of various tax-saving options.

It’s important to work with a lawyer experienced in tax and trust planning.

This material is provided for general information and is subject to change without notice. Every effort has been made to compile this material from reliable sources; however, no warranty can be made as to its accuracy or completeness. Before acting on any of the above, please make sure to see us for individual financial advice based on your personal circumstances.
NEW MEMBERS

The Winnipeg Construction Association welcomes the following NEW MEMBERS as of May 21, 2009.

High Rise Carpentry Limited
Jack Santos

Falcon Creek Industries Inc.
Colin Durward

Dirt Pro Inc.
Byron Loewen

Magna Electric Corporation
Devin Rosger

AKRILON
Dean Bauerlein

Can-American Corrugating Co. Ltd.
Paul Dahmer

Matrix Paint Inspection
Bob Eaglesham

Civic Roofing Inc.
Derek Diddens

United Wire & Cable
Ed Pawluk

PTC Construction
Ramon Cairo

Chandos Construction Ltd.
Randy Dupree

ION Construction Inc.
Servet Yalcin

ADT Security
Craig McLean

Deerhaunt Contracting Ltd.
Rene Alarie

HD Supply Canada Inc.
Len Smith

Flames Concrete
Francois Jean

Shaw Cable System
Christian Armstrong

New Era Stucco & Acrylic Ltd.
Ed Giesbrecht

1st Choice Concrete Pumping Ltd.

UPCOMING EVENTS

<table>
<thead>
<tr>
<th>Event</th>
<th>Location/Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCA Fall Golf Tournament</td>
<td>Hecla Oasis Resort, Hecla Island, MB, Thursday, September 10, 2009</td>
</tr>
<tr>
<td>Builders’ Night Gala</td>
<td>Winnipeg Convention Centre, Friday, October 30, 2009</td>
</tr>
</tbody>
</table>

EDUCATION

“NEW” LEED for Sub-Contractors (pilot project)

LEED for Sub-Contractors was developed for WCA in co-operation with the Education Committee of the Manitoba Chapter, Canada Green Building Council and sponsored by WCA’s Manufacturer and Supplier Division. The first two scheduled seminar dates in May sold out in less than two days!

The presentation development was initiated by Kaeryn Kopachena of Stantec Architecture Ltd. and Crystal Bornais of Prairie Architects Inc. in co-operation with volunteer committee members Lenay Gutoski from Bockstael Construction Ltd., Steve Adams and Martina Jaterka from EllisDon Corporation, Barb Boroskae of Winnipeg Construction Association and Susan Peterson from Dominion Construction Company Inc. Watch for more seminar dates to come!

NEXT GOLD SEAL EXAM:

Friday, October 9, 2009

Cut off for applications is Friday, September 18, 2009.

For more information, please call Kelly Thiessen, WCA Gold Seal Administrator, at 775-8664 ext. 2225.

Red Seal Roofer Apprenticeship Program

In conjunction with Red River College and Apprenticeship Manitoba, eight students graduated from Manitoba’s first Red Seal Roofer Apprenticeship Program in February 2009.

Prairie HVAC Inc. provides Sales and Service of Heating, Ventilation, Air Conditioning, Building Automation, and Refrigeration Systems in the industrial, commercial and institutional markets.

55 Speers Road
Winnipeg, Manitoba R2J 1M2
Phone: 257-4822
Website: www.prairiehvac.com

Our company is founded on being a solutions provider enabling us to provide packaged and custom products which cover the following areas:

- Refrigeration Plants
- Process Heating and Cooling Systems
- Ventilation, Dispersion and Exhaust Systems
- Energy Recovery and Green Building Design Solutions
- Humidification and Dehumidification Systems
- Heating Systems
- Building Automation Systems
- Mechanical Room Design and Fabrication
Manitoba Honours Highest-Achieving Apprentices and Their Employers

The 2008 top-achieving apprenticeship graduates were honoured at a special awards ceremony and reception on Friday, April 24, 2009. The 17th annual apprenticeship Highest Achievement Awards ceremony and reception honoured 34 of Manitoba's top new journey people and the significant contributions that employers make to the success of the newly certified graduates. The ceremony also recognized a variety of other achievements through special awards such as the Ron Krishka Memorial Award given to the trades qualifier with the highest standing on the certification exam.

Winnipeg Construction Association participated in the Special Award Category, presenting a gift certificate towards tools to the top apprentice in the trade of carpentry, Anna Hargreaves. Hargreaves apprenticed at Christie/Hamilton Construction in West Hawk Lake.
Five enthusiastic partners have joined together to form a new industry organization committed to strengthening the skills of the province’s construction sector workforce. The Manitoba Construction Sector Council’s (MCSC) mandate is to assist all sectors of the Manitoba construction industry by offering solutions to current and projected human resource needs as expressed by the industry.

It is a goal of the council to create, upgrade and where applicable, certify the skills of workers at all levels in the industry. Efforts will also be undertaken to enhance the image of the industry, and in particular, the benefits of employment in the construction sector, with an emphasis on the participation of non-traditional labour groups.

Representatives of the following organizations will guide the activities of the new organization:
- Construction Association of Rural Manitoba
- Manitoba Building and Construction Trades Council
- Manitoba Heavy Construction Association
- Manitoba Home Builders’ Association
- Winnipeg Construction Association

Taras Luchak is Executive Director of Manitoba’s new Construction Sector Council. He comes to the MCSC from 16 years as an executive with the Manitoba Real Estate Association and General Manager of the Real Estate Insurance Alliance of Canada. Prior to that he was Executive Director of the North Main Development Corporation and also worked for a decade as a lawyer, primarily as a civil litigator.

His main tasks as MCSC Executive Director include building positive working relationships with the many stakeholders in the industry, developing annual strategic plans, policies and procedures and preparing annual budgets, researching funding sources and securing funding for programs and day-to-day operations.

---

**WAVERLEY COMMERCIAL TRUCK CENTRE**

The commercial staff at Waverley know how valuable your time is to you and your business. Let us save you time and money with your vehicle needs.

- Full range of trucks from Dakotas to 5500 series.
- Manitoba’s only Sprinter dealer in central and south Winnipeg
- Early bird service at 7 a.m. and Saturday service
- Express lube with no appointment
- Preferred pricing and rebates for members of Winnipeg Construction Association

**1700A Waverley St. • 204.661.5337**
**www.waverleychrysler.ca**

Rick Schroth
Commercial Account Manager
rickschroth@waverleychrysler.ca

Steve Dennis
General Manager
The 10th Annual CEM Awards of Excellence were held at the Winnipeg Convention Centre on April 23, 2009, celebrating excellence in consulting engineering.

Awards of Excellence were presented to:
- KGS Acres Ltd. (Infrastructure/Transportation)
- MCW/AGE Consulting Professional Engineers (Building Engineering)
- Dillon Consulting Limited (Environmental)
- Tower Engineering Group Limited Partnership (Industrial)
- Stantec Consulting Ltd. (Municipal & Water Technology)

Awards of Merit were presented to:
- MCW/AGE Consulting Professional Engineers (Building Engineering)
- Crosier Kilgour & Partners Ltd. (Building Engineering)
- Dillon Consulting Limited (Infrastructure/Transportation)
- AECOM (Infrastructure/Transportation and Municipal & Water Technology)
- TetrES (Environmental)
- Acres Manitoba Limited (Industrial)

The Keystone Award went to KGS Acres Ltd.
The Lifetime Achievement Award was presented to Peter Washchyshyn, P. Eng., MMM Group Limited
The Engineering Action Award was presented to Ken Anderson, P. Eng., GENIVAR
The Rising Star Award was presented to Jason Cousin, P. Eng., J.R. Cousin Consultants Ltd.
Winnipeg Construction Association scheduled beautiful weather on Wednesday, May 27, 2009, for their annual and always sold-out Spring Golf Tournament. Paired with a cool breeze, the hot sun made for a superb day on the greens, as 312 golfers on 78 teams came out to enjoy one of WCA’s most anticipated events.

Before teeing off at the Pine Ridge Golf Club and its neighbour course, the Elmhurst Golf & Country Club, teams filled up on hamburgers and smokies, courtesy of the Construction Safety Association of Manitoba (CSAM) and HED Insurance.

After a long day on the links, golfers assembled at Elmhurst for drinks, camaraderie, and a sumptuous dinner featuring prime rib and Yorkshire pudding. Master of Ceremonies and WCA President John Schubert got the prize presentation underway and announced winners in the following categories:

**Longest Drive** – Solar-powered radio and deluxe roadside emergency kit from CAA Manitoba, sponsored by Lafarge Canada
- Enzo Tummillo – Pine Ridge
- Rob Coldwell – Elmhurst

**Closest to the Hole** – Mountain Bikes sponsored by WCA
- Alfred Schleier – Pine Ridge
- Tom Shettler – Elmhurst

**Closest to the Hole** – Golf Simulator sponsored by Lehigh Inland
- Brent Rathbone – Pine Ridge
- Peter Giesbrecht – Elmhurst

**Low Team Score** – Golf Bags sponsored by WCA
- HED Insurance – Calvin Olson, Miles Antony, Marcel Vouriot, John Warnica

WCA would like to thank major tournament sponsor Aon Reed Stenhouse Inc. and the many hole sponsors for their generous support.
Winnipeg Construction Association’s annual Spring Barbecue once again ushered in warmer temperatures on Wednesday, June 3, 2009. The event attracted record numbers — over 400 attendees — to WCA’s parking lot for good food hot off the grill, sounds of summer by steel pan musician Clyde Heerah and lots of socializing with friends and colleagues in the construction industry.

Thank you to the WCA Entertainment Committee, as well as WCA staff for putting on a fabulous event.

2009 WCA SPRING BARBECUE

PRAIRIE WEST SCAFFOLDING LTD.

Scaffold Rental Specialists

RENTAL • SALES • SERVICE

• Access Scaffolding
• System Scaffolding
• Tube & Clamp
• Shoring

1385 Whyte Avenue, Winnipeg, MB
Fax: 204-474-5021

204-228-0891
Winnipeg’s second largest flood in history couldn’t keep Western Canada construction association staff from descending on the city for the Western Canada Construction Staff Conference. Held April 16 to 18, 2009, all sessions took place at centre stage of the flood, the Inn at the Forks, a location where the Assiniboine River meets the Red River.

The conference allowed little time for exploring the historic landmark that is rich with stories of early Aboriginal settlement, the fur trade, and the advent of the railway. (The Forks is currently a Winnipeg gathering place with restaurants, shops, and outdoor events.) Jammed-packed with everything from entertainment to educational activities, the Western Canada Construction Staff Conference agenda had attendees always engaged.

To kick off the conference, Winnipeg Construction Association hosted a meet ‘n mingle at the Forks’ Finn McCue’s Pub on Thursday evening. A relaxing, low-key atmosphere allowed colleagues to get to know each other, enjoy some pub grub, and play a game of billiards, before a full-day of formal sessions.

Session topics were tailored to fit a variety of positions, with a Project Sourcing & Prebid presentation, as well as a session on helping members to use the online planroom, for those staff members working in association planrooms. Two presentations focused on marketing — one exploring different marketing initiatives developed in some of Western Canada’s construction associations, the other a Branding Your Association session delivered by John Torella of the JC Williams Group. Torella is considered an expert in the field of branding, having worked for a number of major international companies including Coca Cola, 3M and The Body Shop.

While the marketing portion was a fan favourite, attendees appreciated all sessions that allowed sharing information and tools amongst peers.

“The Western Canada Construction Staff Conference is a great event that enables discussion and generates ideas and opportunities for us to improve and enhance the services we provide to our many stakeholders,” explains Amy Smith, Communications Coordinator with the Calgary Construction Association. “I also liked the opportunity to discuss with the other construction associations what they do and what works for them and their members.”
Brenda Braaten, Executive Director of the Regina Construction Association agrees. “It’s surpassed our expectations,” Braaten says. “We’re definitely taking more away than we brought.”

One of Braaten’s staff members, Candace Aveyard, is new on the job, so she welcomed the onslaught of information the conference dished out.

“The planroom session was the most beneficial, because I run the planroom and I’m only three months in. It’s good to hear what others are doing,” Aveyard adds.

After two intriguing sessions by PCL Constructors Canada Inc. personnel on the Canadian Museum for Human Rights and the FISH Philosophy, attendees were treated to “A Few Hours of Prairie Getaway” hosted by DEL Communications. The evening event, held at wildlife sanctuary the Fort Whyte Centre, was short on formality and big on fun, with a nature scavenger hunt followed by a fabulous dinner.

Fortunately, the dikes and sandbags held up and staff were able to complete the conference on Saturday morning after another round of sessions.

“It was great interacting with western associations,” says Lorrie Vos, Executive Director of Lethbridge Construction Association. “I felt good about everything we covered!”

Crosier Kilgour & Partners Ltd. is proud to have been a part of the design team for the new Lakeview Airport Hotel.
YOUR CAREER IN CONSTRUCTION STARTS HERE!

THE FIRST-EVER MANITOBA CONSTRUCTION CAREER EXPO ENCOURAGES STUDENTS TO TRY THEIR HAND AT A CAREER IN CONSTRUCTION

By Twila Driedger
Students traded in their textbooks for tools on Tuesday, May 12 at the 2009 Manitoba Construction Career Expo. The first-time event, held at the Red River Exhibition Park was designed to encourage Grade 9 and 10 students to explore their future in skilled trades by participating in a wide variety of interactive construction activities.

Over 800 students, along with supervising teachers, took to the Ex grounds to try their hand at demonstrations in masonry, electrical, carpentry, commercial roofing, shingling, steel stud and drywall, millwork, concrete finishing, plumbing and sheet metal, steel fabricating, welding, and more. Other displays featured the biggest and best in construction equipment and transportation, and the opportunity to interact with skilled journey people and apprentices.

“The students were quite impressed with the fact that everything was hands-on,” Margie Barter, Guidance Counsellor and Senior Years Apprenticeship Option Contact from Vincent Massey Collegiate expresses. “It was a very worthwhile event. Many of our students expressed that their interest in the trades increased as a result of attending the expo.”

To make it easy for students and teachers to attend the expo, schools were promised complimentary lunch, reimbursement for bussing and the cost of substitute teachers, as well as eligibility to win fantastic prizes, like DeWalt tools and two Nintendo Wiis.

Upon arriving at the Red River Exhibition Park, groups of students and teachers were given a safety orientation, covering general event rules, emergency procedures and a list of personal protective equipment. Items such as safety eyewear and hearing protection were provided in every registration bag, as well as a token for a free Expo T-shirt, and a lunch voucher, which was redeemable in the Annex.

The Annex building was host to a variety of informational and post-secondary booths, including the Construction Safety Association of Manitoba, SafeWork, WCAS Trade Up!, Winnipeg Technical College, Red River College, Apprenticeship Manitoba, and St. John’s First Aid.

Thirty booths and interactive displays were set up in the main pavilion, featuring companies like DeWalt Tools, Battlefield Equipment Rentals, general contractors such as PCL Constructors Canada Inc. and Bird Construction Company, and a number of construction trade associations.

Students were taught how to weld in Red River College’s Mobile Training Lab, a 53-foot trailer with pop-out sides that transforms into a 950-square-foot trades training facility for rural and northern communities.

“The welding was my favourite because it was the most hands-on,” explains Kyle Arcand, a Grade 10 student from Dakota Collegiate. “It was just an overall fun day. Everyone really seems to like their job.”

At the Merit Contractors Association of Manitoba station, attendees were encouraged to help build a shed, while representatives of the Manitoba Home Builders’ Association were busy building playhouses outside. Across the aisle from Merit, Winnipeg Technical College’s team of electrical apprentices was instructing students on how to wire three-way switches. Students were also invited to take part in steel stud and drywall installation in one of four sectioned rooms with the Manitoba Wall & Ceiling Association, before mixing...
and finishing concrete with the Manitoba Ready Mix Concrete Association.

“(The Expo) was terrific; actually the best career symposium I’ve ever participated in. It was extremely well organized, and the interactive sessions were absolutely wonderful. Your presenters did a superb job of answering all of the students’ questions and also in encouraging them to try their hand at some jobs,” says Emilie Bissonnette, Guidance Counsellor, College Regional Gabrielle-Roy. “The students thoroughly enjoyed their day and a number of them are now thinking of the construction industry as a very viable career option.”

Other teachers are agreeing with Bissonnette. “Staff and students here are giving your event two big thumbs up!” says Lorna Derksen, Employability Centre Co-ordinator, R.B. Russell Vocational High School.

PROUD SPONSORS OF THE 2009 MANITOBA CONSTRUCTION CAREER EXPO

When Clean Counts, Count on HOTSY. Call HOTSY First!
Providing Manitoba with the #1 cleaning system for 30 years!

- Hot-Water Pressure Washers
- Cold-Water Pressure Washers
- Hot-Water Parts Washers
- Biodegradable Detergents
- Pressure-Washer Accessories
- Wash-Water Treatment Systems
- Sales • Service • Rentals • Trade-Ins • Flexible Purchase Plans • Warranties

For a FREE on-site demonstration:
HOTSY CENTRAL
59A Speers Road, Wpg.
1-800-884-1955
Ph: (204) 233-3780 Fax: (204) 233-3782
E-mail: hotscen@mts.net www.hotsy.com

· COR Certified
· Void Detection
· Concrete Scanning
· Utilities Locate Service
· Roadway Condition Assessment
· Concrete Infrastructure Evaluation

Phone: (204) 777-6590 | Fax: (204) 222-9933
Email: tony@structurescan.ca | Web: www.structurescan.ca
After twenty years in the association-publishing field, Kevin Brown and I decided six years ago to establish MediaEdge Publishing. We wanted to use our skills, knowledge and love of publishing to build a business with a focus on providing exemplary customer service and leading edge association communication solutions.

Today, MediaEdge is the leader in quality custom publishing for associations. We treat every client like our only client, and their agenda is our agenda. These have remained our guiding principles since we first opened our doors.

Customer service is our number one priority.

Robert Thompson
Senior Vice-President
Toronto 1.866.216.0860 ext. 229
Fax: 416.512.8344

Give yourself the EDGE

Toronto 1.866.216.0860
Winnipeg 1.866.201.3096
Gainesville 1.877.234.1863

www.mediaedgepublishing.com
Competition in the construction industry comes from many places. For years, foreign companies have come to Canada to compete with Canadian firms. In addition, many Canadian companies facing worker shortages have brought in workers from other countries. How do some of these workers come to Canada?

**Tradespeople and Labourers**

In order for most foreign tradespersons or labourers to temporarily work in Canada, an employer must show that there are no Canadians/Permanent Residents willing and able to take the job. In these cases, the employer can obtain a “Labour Market Opinion” from Service Canada, the service delivery network of the Federal Government’s Department of Human Resources and Skills Development Canada, for permission to hire a foreign worker.

Before a Labour Market Opinion will be issued, Service Canada reviews a number of things. One thing reviewed is the wage offered. Known as the “prevailing wage,” this wage usually must be at or above the average wage for the position in the local area. The “prevailing wage” is also determined by the education and years of experience needed. The more experience and education required, the higher the “prevailing wage.”

Another thing reviewed is recruitment efforts that were undertaken. In most cases, the job must be posted on the Service Canada Job Bank. As well, an employer may have to place advertisements in newspapers, consult local unions, advertise on other job sites, and conduct other recruitment initiatives.

Depending on the trade, Service Canada may require that the worker have his/her trade certification or licence before arrival. In these cases, the employer must work with the local licensing agencies or the apprenticeship branch in advance.

Service Canada will also consider whether the worker is filling a labour shortage, whether the employment of the worker will create new jobs or retain jobs for Canadians, whether the worker will transfer new skills and knowledge to Canadians, whether the hiring of the worker will affect a Canadian worker in a labour dispute, and whether the employer has registered with the Province where necessary.

**Professionals**

Select U.S., Mexican and Chilean professionals are exempt from Labour Market Opinions. Engineers, architects, industrial designers, interior designers, and land surveyors are some of the professionals exempt.

For these workers, it is unnecessary to prove that there are no Canadians/Permanent Residents willing and able to take the job. It is only necessary to show that the worker has a specified professional credential and that they are coming to Canada to work in that profession. For instance, an engineer coming to Canada to work as a company’s Chief Executive Officer would not be able to qualify as a professional.

**Intra-Company Transfers**

Another group of workers exempt from Labour Market Opinions are certain employees of multi-national corporations. An employee of a non-Canadian company related to a Canadian company in a specified way can qualify as an intra-company transfer. In order to qualify, that person must be an executive, managerial or specialized knowledge worker and must be working in Canada in one of these roles.

While the definition of executive is usually clear, the definition of manager and specialized knowledge worker may not be. First-line supervisors are not managers and most semi-skilled or unskilled labourers are not specialized knowledge workers.

It is not always necessary for the intra-company relationship to have been in existence for a long time. For instance, a U.S. company that sets up a new operation in Canada may qualify their workers as intra-company transfers. This being said, setting up of a “new office” does not simply mean registering a shelf company in Canada. A new office must be set up to have an ongoing presence in Canada.

All of the issues outlined above fall into the area of Immigration Law practised by R. Reis Pagtakhan, an Associate with the Winnipeg law firm of Aikins, MacAulay & Thorvaldson LLP.
The Canadian launch of North American Occupational Safety & Health Week was held in Winnipeg for the first time on Monday, May 4, 2009. The Construction Safety Association of Manitoba and New Flyer Industries, a company with a proven track record in reducing injuries on the workplace, co-hosted the NAOSH launch, which included a pancake breakfast, in a large tent across the road from New Flyer’s Transcona plant.

This year, the theme of the 13th annual awareness week was “Make it Home Safe Every Day.” The National kickoff included keynote presentations, interactive demonstrations, and dignitaries from all levels of government, including Manitoba Premier Gary Doer. This was the first time a provincial premier has attended the Canadian NAOSH Week launch event.

Participation from the Premier, involvement of 26 exhibitors and over 330 people in attendance made the Winnipeg kickoff the largest NAOSH Week launch in Canadian history.
SAFE on Site this Summer

SAFE on Site is returning for its fourth year of providing contractors, supervisors and owners with safety awareness and helping them implement positive safety cultures on their job sites.

SAFE on Site is a joint partnership with SAFE Work and Construction Safety Association of Manitoba (CSAM).

According to Sean Scott, Executive Director of CSAM, the program runs for four months — from June until the end of September. During this time, CSAM co-ordinates and administers the SAFE on Site program for the industrial, commercial, institutional and residential sectors.

“It’s extremely popular,” Scott states. “Safety personnel visit contractors directly on site; rather than waiting for people to come to us, we go to them. As we know, the construction industry is generally busier during the summer months — the personalized visits have traditionally been very much appreciated.”

While on site, SAFE on Site safety personnel help to increase safety awareness and promote safe work practices, providing information regarding the numerous services and resources available through CSAM. But their role doesn’t end there; these safety personnel also assist contractors and their employees with identifying general site hazards, resolving safety concerns and implementing a safety program.

This summer, CSAM will have two full-time SAFE on Site safety personnel: one dedicated to Winnipeg and the surrounding area, and another based out of CSAM’s Brandon office to serve the Westman area.

If your company would like to participate in SAFE on Site, please contact the CSAM office at 775-3171 or visit www.constructionsafety.ca.

SAFE Roads: Caution in Construction Zones

The SAFE Roads campaign is once again telling Manitoba motorists to slow down in construction zones. Now in its fourth year, the campaign is a joint initiative aimed at bringing awareness about the safety of workers on Manitoba’s roads.

During the summer months, road construction projects are ongoing all over the province, with an increase in the number of workers on the job. SAFE Roads not only increases the awareness of these workers, it also helps them feel safe while at work.

The SAFE Roads campaign, initiated by the Manitoba Heavy Construction Association, is a joint safety effort between the City of Winnipeg, Manitoba Infrastructure and Transportation, Manitoba Heavy Construction Association, Manitoba Floodway Authority, Manitoba Hydro, Workers Compensation Board of Manitoba, City of Winnipeg Police, City of Brandon Police, Manitoba Government Employees Union, Winnipeg Fire & Paramedic Service and Construction Safety Association of Manitoba.
For a number of years now, Portage la Prairie has been nurturing a budding reputation as a vibrant city that is the ideal place to raise a family. Early next year, the doors will swing open on the new multi-sport, multi-use Island Park complex that will go a long way toward cementing that reputation once and for all.

The $37.5-million PCU Centre (with naming rights secured by the Portage Credit Union) is slated to open in January 2010 — some 17 months after shovels first broke ground, and in time for the Portage-hosted 2010 Power Smart MB Winter Games — and will include two regulation-size ice surfaces doubling to serve as an entertainment venue, an indoor aquatic leisure pool with spray features, a slide, hot tub and viewing deck, an indoor walking track, multi-purpose rooms for meetings and programs, concessions and a full-size warming kitchen, a fitness centre with stationary equipment, a grand hall/atrium and an environmentally pleasing landscape.

That landscape sits over a high water stage. “Our foundation had to go through that water table, and in order to reach the clay below during construction, we had to sleeve all of the piles, which was a little

LEEDing the Way: The Portage Credit Union Centre

WITH NATURAL LIGHTING, RECYCLED MATERIALS, WATER-EFFICIENT AND ENERGY-SAVING FACILITIES, AND A SYSTEM THAT REDIRECTS HEAT, THE MULTI-PURPOSE CENTRE HAS ITS SIGHTS ON LEED SILVER CERTIFICATION

By Kelly Parker
What is COR™?

The Certificate of Recognition (COR™) is an occupational health and safety accreditation program that verifies a fully implemented safety & health management system which meets national standards. The objectives of COR™ are to provide industry employers with an effective safety and health management system to reduce incidents, accidents and injuries as well as their associated human and financial costs.

COR™ is now frequently used as a prequalification and/or condition of contract by public and private project owners across Canada. COR™ is endorsed by Manitoba Labour, Workplace Safety and Health Division and the Workers Compensation Board of Manitoba (WCB). COR™ Certified status is the ultimate distinction verifying companies which have implemented a comprehensive safety program.

COR™ is nationally trademarked and endorsed by participating members of the Canadian Federation of Construction Safety Associations (CFCSA) of which the Construction Safety Association of Manitoba (CSAM) is a member.

The Construction Safety Association of Manitoba (CSAM) is an ‘Authority Having Jurisdiction’ to grant COR™ in the province of Manitoba. In achieving this national safety program accreditation in Manitoba, CSAM practices the utmost diligence to ensure that the COR™ standards are upheld. With one common audit instrument utilized across Canada, the national standard is clear: Minimum 50% in each element and an overall audit score of 80%.

Small Employer COR™

The Small Employer Certificate of Recognition (SECOR™) is an occupational health and safety accreditation program that verifies a fully implemented safety & health management system which meets provincial standards. The objectives of Small Employer COR™ are to provide industry employers, with less than 10 employees, with an effective safety and health management system to reduce incidents, accidents and injuries as well as their associated human and financial costs.

PLEASE NOTE: As the Authority Having Jurisdiction to grant COR™ Certification in the province of Manitoba for the building construction industry, CSAM practices the utmost diligence to ensure that the COR™ standards are upheld. Caution should be taken if any other organization suggests that it is qualified to provide accredited COR™ training, COR™ audits or COR™ Certification. *Construction companies with a WCB code starting with 407 & 408 may receive COR™ services from the Manitoba Heavy Construction Safety Program (MHCSP). CSAM and MHCSP reciprocally recognize the COR™ Certified status of companies in each of their respective programs.

Don’t put yourself at risk. Ask to see a current “Letter of Good Standing” or COR™ Certificate. For a complete listing of Manitoba COR™ Certified companies, please visit our website: www.constructionssafety.ca
WSH Division to make HARD HATS MANDATORY

A recent challenge to wearing hard hats on construction projects was recently denied by the Manitoba Labour Board, paving the way for amendments to the WSH Regulation requiring MANDATORY HARD HATS for all construction projects.

The current Workplace Safety and Health Regulation (M.R. 217/2006 Part 6) is unclear as to whether or not hard hats must be worn – leaving interpretation of ‘risk’ up to individual employers. Currently the WSH Regulation requires employers to develop and implement safe work procedures, based on a risk assessment, for the use of protective headwear on construction project sites.

The Workplace Safety and Health Division Bulletin # 199 advised how they intended to enforce this section by stating that construction has inherent risks and due to these risks protective headwear is required at all times on construction project sites. The challenge put forward on improvement orders written by the WSH Division has been denied.

The WSH Division has not wasted any time in proposing an amendment to the WSH Advisory Council to ensure clear obligations to wear hard hats on construction sites are written into the WSH Regulation. The details on the Manitoba Labour Boards decision can be viewed at the following link: http://www.gov.mb.ca/labour/labbrd/decisions/2009/ws080115.pdf.

History of the Hard Hat

A hard hat is a type of helmet predominantly used in workplace environments, such as construction sites, to protect the head from injury by falling objects, impact with other objects, debris, bad weather and electric shock. Inside the helmet is a suspension that spreads the helmet’s weight over the top of the head.

Management professor Peter Drucker credits writer Franz Kafka with developing the first civilian hard hat when he was employed at the Worker’s Accident Insurance Institute for the Kingdom of Bohemia (1912), but this is not supported by any document.

In the United States, the E.D. Bullard Company was a mining equipment firm in California, created by Edward Dickinson Bullard in 1898, who was in the industrial safety business for 20 years. The company sold protective hats, but they were only made of leather. His son, E.W. Bullard, arrived home from World War I with a steel helmet, which provided him with an idea to improve industrial safety. In 1919 Bullard patented a “Hard-Boiled Hat”, made of steamed canvas, glue and black paint. That same year the U.S. Navy commissioned Bullard to create a shipyard protective cap, which began the widespread use of hard hats. Not long after, Bullard developed an internal suspension that would provide a more effective hat. These early designs bore a resemblance to the military M1917 “Brodie” helmet, which served as their inspiration.

In 1933 construction began on the Golden Gate Bridge in San Francisco California. This was the first construction site in history where construction workers were required to wear hard hats, by order of Joseph Strauss, the project chief engineer. He wanted the workplace to be as safe as possible; hence, he installed safety nets and required hard hats while on the job site. Strauss also asked Bullard to create a hard hat to protect workers who performed sandblasting. Bullard produced a design that covered the worker’s face, provided a window for vision and a supply of fresh air via a hose connected to the air compressor.

Aluminum became a standard for hard hats around 1938, except in electrical applications. Fiberglass came into use in the 1940s. Thermoplastics took over in the 1950s, because they were easy to mold and shape with heat and cost less to manufacture. Today, most hard hats are made from high-density polyethylene (HDPE) or advanced engineering resins, such as Ultem. In 1997 ANSI allowed the development of a ventilated hard hat to keep wearers cooler.

Source information: Wikipedia, the free encyclopedia
more time consuming,” explains Douglas Young, Construction Manager with Dominion Construction Company Inc.

The PCU Centre is on track for LEED Silver certification. Where possible, the design takes advantage of natural light to minimize the need for standard lighting; use of recycled materials, especially in the concrete works; water-efficient toilets; timed showers; light sensors for control of room lighting, and a number of other energy-saving features.

...the key sustainable feature of the [Island Park] complex is the fact that heat generated by the arena ice plant will be redirected to heat the pool water and several areas of the building itself.

The design also incorporates a retention pond — to accommodate water run-off from parking areas and building surfaces — that will use natural filtration for removal of foreign matter before being sent back to the lake. The design incorporates the natural landscape as much as possible, enhancing existing trees with berms constructed from soil removed during excavation for the building.

Arguably the key sustainable feature of the complex is the fact that rather than simply exhausting heat generated by the arena ice plant into the atmosphere, it will be redirected to heat the pool water and several areas of the building itself. “The ice plant is generating a good portion of the heat for the project; there is in-floor heating in the arena, the slab, the atrium, change rooms and all of the stands. For that,” says Young, “you’ve got to install heating zones in the concrete slab before you pour the topping on the hollow core in the stands. That’s not really a difficult process, but you wouldn’t normally do that if you were just pouring a standard concrete slab.”

Architects attempted as much as possible to design PCU Centre as a pre-engineered structure, but they integrated that general approach with more conventional techniques. “We’re trying to create a bit of a hybrid,” explains Jeff Penner of the Stantec Architecture Ltd. team led by Ted LeBlond, “which helps us to make it a cost-effective building. We used what’s out there, and we used the Behlen pre-engineered systems to get the large spans that we need, and also for the pool.” Penner adds that the team tried to use local materials and labour...
in their efforts to make construction of the building as cost-effective as possible.

"That combination of materials and systems — pre-engineered building; conventional steel; glue-lam; wooden laminated beams; and the pool itself has walls that are stainless steel with a vinyl applied in the factory and joints that are specially treated on site — is a bit of a challenge," says Young.

If the combination of construction systems creates a level of challenge, the fact that the project integrates an aquatic facility bumps that challenge to another level. "An aquatic facility is a very specialized kind of building," says Penner, "and it requires collaboration with many different consultants that most building and trades wouldn't normally work with. We're working with Hollandia Pools out of eastern Canada — a sub that wouldn't normally work in Manitoba — really carefully because the precision of their pool and how it's constructed is very important, and they affect everybody, so I think that's going to be something that we'll have to watch very closely during the process."

In order to mitigate for those intricacies, designers selected an innovative manufacturer to supply the very pool itself. "We used a pool called a Myrtha Pool — the first built in Manitoba — manufactured in Italy of a prefabricated steel with a high-performance liner," says Penner. "What's nice about these things is that they can be built very quickly — they can pre-fab it, send it over and construct it on site in a very short time versus a concrete pool like we would normally do."

Penner explains that one reason designers chose the Myrtha Pool goes back to the high water table on the island. "High water tables — and the hydrostatic pressure associated with high water tables — are really difficult on concrete foundations, so in this case, we decided to go with a lighter pool. That's a very key innovation because it helps Dominion's schedule, and it also allows us to create a pool that is quite precise in its construction. You're not relying on heavy grouting of the pool, which can be difficult for the local trades with all of the curves involved in something like a pool."

In consideration of future growth, the 140,000-square-foot facility is designed in such a way that any new elements will not be isolated from the original core and can be easily added to the exterior foundations of the multiplex, which sits on a 20-acre parcel of land adjacent to Island Park.

A second $4-million arena is already in the works, with ongoing fundraising determining the completion schedule.

**Organizations:**
- Architect: Stantec Architecture Ltd.
- Project Manager, Structural, Mechanical & Electrical Engineer: Tower Engineering Group
- Construction Manager: Dominion Construction Company Inc.
A World-Class Medical Centre
THE INSTITUTE OF ADVANCED MEDICINE AND SIEMENS INTRODUCE AN ULTRA-MODERN MEDICAL FACILITY AT THE HEALTH SCIENCES CENTRE CAMPUS

By Kelly Parker

Project by project, the Winnipeg Health Sciences Centre Campus is evolving to be a world-class innovation facility. Adjacent to the Ann Thomas Building — the new 286,000-square-foot trauma centre that began treating patients in the spring of 2007 — the Institute for Advanced Medicine (IAM) in collaboration with Siemens will focus on advancements in neurosciences, infectious diseases, advanced imaging and the incorporation of new, advanced surgical techniques. While the William Avenue institute will broadly support all medical disciplines at HSC, activity will focus on becoming a centre of excellence for the brain and infectious diseases. In short, the Institute will be home to some of the most innovative medical technology in the world.

At over 82,000 square feet spread over five floors, basement and penthouse, the $37-million facility is connected to the Ann Thomas Building at the basement and main floor.

Key features of the new building will include:

- **Cyclotron and Linear Accelerator (Linac) suites in the basement.** Cyclotrons produce radiopharmaceuticals required to operate a PET scanner, and the Linac is a high-energy X-ray operating machine able to perform surgeries on patients without an open cut.
- **Four open floors for future tenant improvements,** one of which will house three operating rooms with real-time MRI.
- **Laboratories to support neurosciences research and cyclotron operations.**
- **A promenade on the main floor that will serve as a main entrance to the Health Sciences Centre from William Avenue.**
- **Retail space on the main floor for future tenant development.**
Some pretty impressive technology on that list, to be sure, and that requires structural considerations. The MRI scanner, for example, will enable surgeons to take real-time images during surgery, and there are only a handful of these in use anywhere in the world. The machine also weighs in the neighbourhood of 30 tons (27 tonnes), is suspended from the ceiling, runs on a track, and sits in a special enclosed compartment when not in use. The PET scanner is equally cumbersome.

The challenge for designers was to accommodate those weights without the benefit of a clear idea about their client’s final locations for the machinery. As Architect Gordon Ferguson of Smith Carter Architects & Engineers Inc., which also served as Structural, Mechanical & Electrical Engineers for the project, puts it, “The only constant in this project has been change, so the challenge was, how do you design a space that can accommodate anything that the medical world requires? The amount of infrastructure that goes into such a building is complex, complicated and has to be adaptable.” As a result, Ferguson says, there are several floors designed to be able to accommodate almost anything. “In the case of the PET scanner,” Ferguson explains, “the design team identified one area of the building on each floor that could accommodate a machine of that size.”

For construction managers PCL Constructors Canada Inc., the fact that the structure is a cutting-edge medical facility presented a unique challenge in that the company found itself in collaborations with suppliers with which it didn’t have existing relations. Ron Wiklund with PCL says that the biggest challenge on the project has been dealing with high-tech medical
equipment, and with all of the various aspects inherent to that process without supplier relationships in place. “It can be tough to get up-to-date information from suppliers which are usually not actually tied to us,” says Wiklund. “Usually the owners co-ordinate the install, and we don’t necessarily have the direct connection with these people.”

Beyond that, however, there have been logistical challenges in working this particular location in an older area of the city surrounded by existing components of this campus that in some ways has already been shoehorned into its location. “The site is very restricted, with access available from one side only,” explains Wiklund, “which affects the scheduling more than anything else. Working and operating around a hospital, and right next door to the adult emergency entrance for the major trauma centre for the city, has presented its challenges in maintaining access to that entrance as we continue to do our work.”

No one who lives in Manitoba needs to be reminded that the province has also endured two particularly brutal winters over the past two years, a fact that has significantly complicated life on the job site. “We lost quite a number of days due to the cold — the workers just couldn’t work in those outside conditions some days — so we lost more than the average number of days than we otherwise would,” notes Wiklund.

Before the project design and construction reached that stage, however, there had already been major changes to the fundamental concept of the structure. For example, an early proposal to include an underground parking component had to be scrapped due to the high water table and soft ground at the location. According to a report published by Tradeline Inc., initial plans also called for the construction of three towers, but when the concept was changed to feature a freestanding tower for the IAM and one for a hotel, Smith Carter had to alter its design to account for exiting requirements, capacity, occupancy, codes, and structural sizes.

Ultimately, says Ferguson, all constituents are pleased with the design. “Architecturally, as well as satisfying all of the medical and research requirements,” Ferguson points out, “it is the main entrance to the hospital, and we wanted it to be an identifiable beacon because the campus is so large.”

Shovels went into the ground in April 2007, with completion slated for June 2009.

Owner: Winnipeg Regional Health Authority (WRHA)
Architect, Structural, Mechanical & Electrical Engineer: Smith Carter Architects & Engineers Inc.
Construction Manager: PCL Constructors Canada Inc.
Piling: AGRA Foundations Ltd.
Excavation: Ken Palson Enterprises
Site Services: Maple Leaf Construction Ltd.
Structural Steel: Abesco Ltd.
Electrical: Wescan Electrical Mechanical Services
Glass & Glazing: Border Glass & Aluminum
Roofing: Flynn Canada Ltd.
Flooring: Antex Western Ltd.
Drywall: Loewen Drywall Ltd.
It was a Friday afternoon about 4:00 p.m. Jamie Hildahl was having a chest X-ray at the Health Sciences Centre when he collapsed. He was rushed to the emergency room... blood work indicated a cancer of the blood. A bone marrow test confirmed Acute Myeloid Leukemia (AML).

"I was admitted to HSC for the first time on June 12, 2003... my 20th birthday," says Jamie.

Over the course of the next two years Jamie was in and out of HSC’s Acute Leukemia / Blood and Marrow Transplant / Oncology Unit (GD6) undergoing chemotherapy, a stem cell transplant, as well as treatment for infections, an allergic reaction to medication and the shutdown of his kidneys. While Jamie had a number of setbacks, he remained positive.

"I believed that I was young and strong and would get better. Still, on the bad days... when I couldn’t face doing what I had to do, the staff really encouraged me. I can’t say enough about how good the care was. It was unbelievable," he says.

GD6 is a specialized 17-room unit for patients requiring a closely controlled environment, serving an average of 250 people each year. Patients on this unit are highly susceptible to infection, and the ward, as it exists right now, was designed primarily for the purpose of tending to their health, rather than for the comfort of the patient, and his or her family and friends.

Patients remain on the unit from four weeks to four months or more and may require multiple stays. In some cases, patients are confined to their rooms, unable even to walk in the unit’s hallway because of the risk of infection. The isolation, combined with relatively long stays on the unit, creates additional stress for patients and their families.

In a way, the patient’s family is equally isolated, spending many hours — day and night — on the unit. Very often they are the primary link between the patient and the outside world, an additional challenge during a very stressful time.

A FEW MEMBERS OF THE HEALTH SCIENCES CENTRE’S GD6 STAFF TEAM. (L TO R) NADIA ZENCHYSHYN, KRISTIN DARRAGH, FRANK GARRIDO, KRISTIN BURNS WITH JAMIE HILDHAL, FORMER PATIENT

"I needed to be isolated for an infection after my stem cell transplant. I called it lock down... that’s what it felt like. I couldn’t leave my room — except for medical procedures — for five months," explains Jamie. "I felt bad for my family. They had to wear gowns and gloves just to come into my room. The leukemia put everyone’s life on hold... not just mine."

The Health Sciences Centre Foundation, working with GD6 patients and their families, has committed to raising $250,000 to revitalize this unit. New furniture and new technology will make patients more comfortable during their treatment and deliver a positive impact on mental well-being. The Hope Project will provide the specialized comforts that will make the stay a little less demanding, and GD6 an even better place to heal.

You can make a difference in the life of someone fighting for theirs. To find out how you can support The Hope Project, call Colin Foran at 787-2273 or visit our website at hscfoundation.mb.ca.

THE HOPE PROJECT

The Hope Project at HSC

HEALTH SCIENCES CENTRE LEUKEMIA PATIENTS AND THEIR FAMILIES ARE HOLDING OUT HOPE FOR A NEWLY RENOVATED UNIT THAT WILL PROVIDE SPECIALIZED COMFORTS AND A BETTER PLACE TO HEAL
A hot July day on the west beach at Grand Beach Provincial Park will attract as many as 26,000 sunworshipping souls. Come the summer of 2010, one of the best beaches in Canada will boast a new, cutting-edge restroom facility.

Typically, you don’t find the descriptor “cutting-edge” attached to the word restroom, but the new 3,000-square-foot, $1-million Grand Beach facility will not only deserve the description for new features it will incorporate, but also for a construction technique that dates back some 2,000 years.

Ground was broken on the new facility, which is targeting LEED certification, in May 2009, with completion set for September, at or near the end of the current beach-going season. It will have a cast-in-place concrete roof topped with a green roof, meaning that no roofing material will be used. “It has a growing medium, soil, and then a sedum material chosen specifically for drought resistance,” says Shane Solomon of MMP Architects Inc., “so hopefully it’ll be able to deal with the sand that will build up on that roof.”

In an effort to have the structure mesh with its surroundings, rammed earth construction — a process that was being employed as long as 2,000 years ago — will be incorporated for part of the structure. Using it involves a process of compressing a damp mixture of earth that has suitable proportions of sand, gravel and clay (sometimes with an added stabilizer) into a form that ultimately creates a solid wall of earth. The structure can take up to two years to completely cure, and the more it cures, the stronger the structure becomes. When the process is complete it is much like constructing a handmade wall of solid rock.

On this project, the rammed earth will consist of a mix of local sand and soil, Portland cement, water, fly ash and organic mineral powders to give it some colour. “It’s a very stable way of building — the Great Wall of China is essentially a rammed earth wall,” says Solomon.

This is the first time Solomon has worked in rammed earth, and because it will be the first rammed earth structure in Manitoba, there are no local contractors experienced in the process, so an out-of-province contractor will be brought in to fabricate the single, 100-foot rammed earth wall. Doing all four walls in rammed earth didn’t fit the budget due to the costs of bringing in the consultant.

Rammed earth technology makes particularly good sense for this structure because it is located on the boardwalk just behind the west beach. “This is a very unique site in the sense that this building sits where those sand dunes naturally build up,” says Solomon, “and we wanted to pick a building that was very sensitive to the surrounding landscape. We didn’t want something that would stick out like a sore thumb, we wanted something that would be appropriate.”

Designers went so far as to perform wind studies on the site in an attempt to understand how the sand would react to the obstruction that the restroom building represents, so that it could, in effect, be incorporated into the building’s design. “This wall will encourage sand to build up in front of it,” explains Solomon, “and over time, that will continue to change and evolve with the winds as sand is blown up...
to and removed from the wall. The wall is made of its surroundings, and will become part of its surroundings; it’s intended to be very integral.”

While the effect will be perfect for the beachside location of the restrooms, it does present issues for the general contractor. “One of the things that we’re going to have to be diligent about is in segregating the worksite from the beach-going public, and that will be an ongoing challenge throughout the summer,” says Reid Mattson, Project Manager for Westland Construction Ltd. “Another challenge is going to be access,” he says, “because the building is going to be tucked away in a location that is going to make access a challenge for concrete trucks, materials handling and things like that.”

Mattson says that crews are also going to be subject to the noise restrictions that were written into the specs of the project. “We’re going to have to be cognizant about scheduling things like hammer drills. Those will have to be done at specifically scheduled times.”

When all is said and done, beach-goers will have a state-of-the-art restroom that is truly “of the beach.” For his part, Solomon says he hopes that it will also become a catalyst for more rammed earth construction in Manitoba.

Organizations:
Owner: Manitoba Conservation
Architect: MMP Architects Inc.
Construction Manager: Westland Construction Ltd.
Structural Engineer: Wolfrom Engineering Ltd.
Mechanical & Electrical Engineer: Williams Engineering Canada

Simply the best 3D control.
No matter how you move the earth.
Construction is underway at the University of Manitoba campus on a truly one-of-a-kind building — for Manitoba, at least. When finished, it will be something to see, if you can see it at all. Depending on the time of year and weather conditions, the reflective glass and cladding on the new building in the Smartpark Research and Technology Park will mirror its surroundings, making it seem almost invisible from certain angles. That’s noteworthy enough. Probably worth mentioning, however, is the fact that the structure will sit entirely on stilts above a 5.5-metre deep retention pond.

On-site work began on the $8-million building — to be occupied by the technology firm RTDS (20,000 sq. ft.) and TransGrid Solutions Inc. (5,000 sq. ft.) — in mid-January 2009, with occupancy set for December 2009.

The concept and location of the project are perfectly suited not only to the Smartpark model, but to the client as well. “Smartpark is all about buildings in a park-like setting,” explains George Cibinel of Cibinel Architects Ltd., “so we were asked to develop an iconic building. What we did was design what we call a ‘super building’ — a building that appears to float above the ground — and looks very high-tech, to represent the high-tech industry that the client is in.”

Early concepts had the structure sitting at the edge of the pond. That was before RTDS suggested building right over the water. Designers considered the notion of a bridge before discarding the idea because it would have taken too long to build and would have been too costly. “We finally developed the pier concept,” explains Cibinel, “which poses other challenges in stabilizing the structure for lateral movement, and the challenge of how to construct it cost-effectively over the water, so we brought in a whole bunch of builders and we opened up the problem to them in an IDP [Integrated Design Process].” The resulting plan will see the building constructed on a platform measuring roughly 36.5 metres wide and 100 metres long stretching from one side of the pond to the other.

But how do you do it? The team came up with a plan to drain the pond before the winter freeze-up, and complete the rest of the work on the ice over the winter, laying down some 60 to 80 truckloads of gravel on top of the remaining ice to

“Smartpark is all about buildings in a park-like setting. ....What we did was design what we call a ‘super building’ — a building that appears to float above the ground — and looks very high-tech, to represent the high-tech industry that the client is in.”

— George Cibinel, Cibinel Architects Ltd.
create a roadway down to ice level so the pile-driving equipment could get access. Then, before the ice melted, the gravel was cleared and used for the parking lot roadway adjacent to the building. That whole process however, had its complications. Between Christmas and New Year’s Day, crews discovered that there was some seepage, so the ponds required re-draining before the road could be built for the pile drivers that were to drive the approximately 80 steel piles — each 20-metre long pile specially coated for protection from the water — into the pond bed.

Then came the mid-winter thaw. “We were obviously hoping for cold weather,” says Dan Gauthier, Sr. Vice President of Project Development for construction manager Concord Projects Ltd., “but we had an early thaw at the beginning of February, and we ended up getting storm water run off into the pond, so our biggest challenge was to try to keep the forces of nature back, and we were constantly trying to pump out water.” Once temperatures dropped back to seasonal norms, crews were able to continue with the pile driving, beating the warm temperatures by only a couple of weeks. “That was stressful,” emphasizes Gauthier, “because we knew if we missed the season, we wouldn’t be putting up a building right now.”

With the pile driving complete, crews started constructing the platform of the building from each side of the pond, working in toward the centre from the edges using a hoist crane. “As the structure is built,” explains Cibinel, “the builder will progress toward the middle with the platforms and then work on top of the section that has just been completed in order to build the following section — kind of like a high-rise, but on its side — working off of one to create the other.”
SMARTPARK: OFFICE ON WATER

Depending on the time of year and weather conditions, the reflective glass and cladding on the new building in the Smartpark Research and Technology Park will mirror its surroundings, making it seem almost invisible from certain angles.

In preparation for that phase, crane platforms were created by shaving down the slopes on either side of the pond to craft a flat working surface for the crane to sit. “Then,” says Gauthier, “you just have to make sure you have a large enough crane to accommodate the spans and the weights.”

With the platform in place, the construction of the actual building should be uneventful in that it is otherwise a relatively conventional structure, save for two key aspects. “The difference that this site and design have is that you can’t have plumbing coming straight down like a normal building,” says Cibinel, “so we had to create plumbing that comes into the building horizontally from the edges.” Cibinel points out the other quirk inherent to the pier concept, and that is the fact that the underside of the floor has a soffit, which has to be insulated. “The idea of creating this huge soffit was unique because you have to insulate it and move air through there so you don’t have issues of condensation and that kind of thing,” Cibinel notes, “so there is a bit of mechanical and structural engineering to it that is distinctive.”

Even when this building is completed, the only other business in Winnipeg situated over water will be the Salisbury House restaurant on the Esplanade Riel footbridge linking St. Boniface with downtown Winnipeg, although Cibinel says he wouldn’t be surprised if the Smartpark building remains the only office building on stilts in Winnipeg. As he told Murray McNeill of the Winnipeg Free Press, “I think it will always be pretty unique.”

Organizations:
Owner’s Rep & Developer: Smartpark Development Corporation
Architect: Cibinel Architects Ltd.
Construction Manager: Concord Projects Ltd.
Structural Engineer: Crosier Kilgour & Partners Ltd.
Mechanical Engineer: Epp Siepman Engineering
Electrical Engineer: SMS Engineering Ltd.
Civil & Site Engineer: AECOM
Airport Hotels Link
- Winnipeg James Armstrong Richardson International Airport

Owner: Lakeview Hotels
Architect: 5468796 Architecture Inc.
Structural Engineer: Crosier Kilgour & Partners Ltd.
Mechanical Engineer: G.D. Stasynec & Associates Ltd.
Electrical Engineer: A.D. Williams Engineering Inc.
Civil & Site Engineer: AMEC Earth & Environmental Ltd.
Construction Manager: J & J Penner Construction Ltd.
Piling: Subterranean (Manitoba) Ltd.
Structural Steel: Abesco Ltd.
The Residences on York
- 161 Donald St.
Owner & Project Manager: B & M Land Company
Structural Engineer: Crosier Kilgour & Partners Ltd.
Glass Curtain Wall: Border Glass & Aluminum

A.G.S.
RENTALS
(204) 878-9279
CONSTRUCTION & HOMEOWNERS EQUIP
OFFICE, UTILITY, MOVING, EQUIPMENT & CAR TRAILERS, STORAGE UNITS
LAWN & GARDEN TABLES, INSULATED TARP

1530 Wall Street, Winnipeg
Gord Cassell (Direct Line) 774-3581
Email: dynamo@mts.net

SPECIALLOY
Manufacturer and Supplier of Stainless,
Aluminum and Steel Products, Decorative Brass,
Stainless Steel, Bronze and Copper,
Sanitary Piping Installations

1061 Notre Dame Avenue
Winnipeg, MB R3E 0N4
Phone (204) 775-2211
Fax (204) 775-2324
Email: specialloy@skyweb.ca

BUS: 667-3981
FAX: 663-8708
566 DOBBIE AVENUE
WINNIPEG, MANITOBA
R2K 1G4
Canada Post Mail Processing Plant
- Winnipeg James Armstrong Richardson International Airport

Owner: Canada Post
Design Build Contractor: Caspian Construction Inc./Aecon Buildings Joint Venture
Architect: Nejmark Architect Inc.
Structural Engineer: Wolfrom Engineering Ltd.
Structural Engineer: Lavergne Draward & Associates
Mechanical & Electrical Engineer: Nova 3 Consulting Engineers
Civil & Site Engineer: Stantec Consulting Ltd.
Landscape Architect: Hilderman, Thomas, Frank, Cram Landscape Architects & Planners
LEED Consultant: Integrated Designs
Site Services: Maple Leaf Construction Ltd.
Mechanical: Wes-Man Mechanical
Electrical: 3 Phase Electrical Ltd.
Piling: Subterranean (Manitoba) Ltd.
Structural Steel: Abesco Ltd.
Roofing: Oakwood Roofing & Sheet Metal Co. Ltd.
Masonry: Tri-Star Masonry Contractors Ltd.

OAKWOOD ROOFING & SHEET METAL CO. LTD.
20 BURNETT AVENUE, WINNIPEG, MANITOBA, CANADA R2G 1C1
Phone: 204/237-8361 Fax: 204/237-6169 Toll Free: 1-888-204-7663

Oakwood Roofing & Sheet Metal Co. Ltd.
is a Canadian owned company and one of Manitoba’s largest roofing contractors. Established in 1977, we have earned a reputation for quality and dependability.

Before you start a new project, call Oakwood! (204) 237-8361
www.oakwoodroofing.com

“We don’t just build Roofs, We build Trust”
Home Run Sports
- Bishop Grandin Blvd. & De La Seigneurie Blvd.

Owner: Home Run Sports
Architect: David Goyer Architecture Inc.
Structural Engineer: Beach Rocke Engineering Ltd.
Landscape Architect: Dean Spearman Landscape Architect
Design Build: Westland Construction Ltd.
Mechanical: Quality Air Control Ltd.
Electrical: Mallin G Electric Ltd.
Piling: Cam-Arrow Drilling
Hollowcore: Lafarge Canada Inc.
Structural Steel: Thom’s Welding Service
Glass & Glazing: Intex Glass & Aluminum Inc.
Drywall: Custom Drywall Manitoba Ltd.
Painting: Boisco Enterprise Ltd.
Flooring: Imperial Flooring Ltd.

PROUD TO BE A PART OF YOUR TEAM ON THE HOMERUN SPORTS BUILDING PROJECT.
THANK YOU, WESTLAND CONSTRUCTION!

CUSTOM DRYWALL MANITOBA LTD.
Commercial • Industrial

PROUD TO BE A PART OF YOUR TEAM ON THE HOMERUN SPORTS BUILDING PROJECT.
THANK YOU, WESTLAND CONSTRUCTION!

Unit 1, 25 Bentall Street
Winnipeg, Mb. R2X 2Z7
Tel: (204) 895-0654
Fax: (204) 895-2194

THOM’S WELDING SERVICE
11 DATOMAR ROAD, HEADINGLY, MB
CWB certified shop. Established since 1993.
- Manitoba’s Largest Band Saw
- Portable Welding
- Steel Fabrication
- Equipment Repair
- Steel Sales
- Structural Steel fabrication
- Pressure Piping fabrication
- Crane Service Labour Services

FAX: 831-1165
EMAIL: thoms1@mts.net www.thomswelding.ca
We make construction seem easy.

With our streamlined processes and procedures, outstanding attention to detail, and commitment to completing projects on time and on budget, we help make even the most complex project seem simple.

For over 30 years we’ve been doing things a better way—the Westland Way.

WESTLAND CONSTRUCTION LTD
Building a better way.

www.westlandconstructionltd.com
1641 Dublin Avenue, Winnipeg, MB R3H 0G9
T 204-633-6272          F 204-694-5484

• Project & Construction Management  • Design/Build  • General Contracting  • Subcontracting Services
Mapleton Lane
- Main St. off Pruden Rd., St. Andrews

Owner: St. Clements/Mapleton Anglican Church
Architect: MMP Architects Inc.
Structural Engineer: Wolfrom Engineering Ltd.
Construction Manager: E K Construction 2000 Ltd.
Piling: Subterranean (Manitoba) Ltd.
Electrical: Tri-Star Electric Co. Ltd.
Elevators: Otis Canada Inc.
PartSource
- 2077 Pembina Hwy.

Owner: PartSource
Design Build Contractor: Pre-Con Builders
Architect: Neil Cooper Architect Inc.
Mechanical & Electrical Engineer: Nova 3 Consulting Engineers
Mechanical Design Build: LEC Mechanical Ltd.
Plumbing: JETS Plumbing & Heating Co. Ltd.
Electrical Design Build: McCaine Electric Ltd.
Structural Steel: Abesco Ltd.
Flooring: Antex Western Ltd.
Glass & Glazing: C.J.D. Glass Ltd.

Specializing in Commercial Design & Build Services
MPI Customer Service Centre
- 1284 Main St.

Owner: Manitoba Public Insurance (MPI)
Architect: Stantec Architecture Ltd.
Structural Engineer: Stantec Consulting Ltd.
Mechanical & Electrical Engineer: MCW/AGE Consulting Professional Engineers
General Contractor: Bockstael Construction Limited
Mechanical: Duncalfe Mechanical
Electrical: Exco Electric
Piling: Subterranean (Manitoba) Ltd.
Roofing: Master Roofing Ltd.
Flooring: Antex Western Ltd.
Glass & Glazing: Allan’s Glass & Aluminum Products Ltd.
Structural Steel: Merit Iron Ltd.
Drywall: Loewen Drywall Ltd.
Painting: Hay Decorating (1972) Co. Ltd.

Generations of Quality
Since 1912

1505 Dugald Road
Winnipeg, Manitoba
R2J 0H3

Ph. (204) 233-7135
Fax (204) 231-0979
www.bockstael.com

General Contractors • Construction Managers • Design Builders

PHOTOS BY DAN KENNING
Steinbach Credit Union
- 1575 Lagimodiere Blvd. & Almey Ave.

Owner: Steinbach Credit Union (SCU)
Construction Manager: Three Way Builders Ltd.
Architect: Gregory M. Ward Architect
Structural Engineer: MTE Consultants
Mechanical Engineer: SMS Engineering Ltd.
Electrical Engineer: Rombald Inc.
Civil & Site Engineer: MMM Group Ltd.
Mechanical: Quality Air Control Ltd.
Electrical: Mallin G Electric Ltd.
Piling: Subterranean (Manitoba) Ltd.
Structural Steel: Abesco Ltd.
Roofing: Flynn Canada Ltd.
Glass & Glazing: Quality Glass & Aluminum Ltd.
Drywall: Econo Wall & Ceilings
Elevators: KONE Inc.

PHOTOS BY KELLY HODGSON

ECONO WALL & CEILINGS
Drywall, Acoustic Ceilings, Noise Control

Proud to be a part of the new SCU building.

6 Datomar Road, Headingley, Manitoba R4H 0A1
Tel: 204-987-2300 Fax: 204-987-2309
### Seasonally Adjusted Building Permits for Manitoba: March 2009

<table>
<thead>
<tr>
<th></th>
<th>Residential</th>
<th>Non-Residential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manitoba</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior YTD</td>
<td>47,199</td>
<td>18,368</td>
</tr>
<tr>
<td>YTD</td>
<td>72,987</td>
<td>31,909</td>
</tr>
<tr>
<td>%Growth</td>
<td>54.64%</td>
<td>73.72%</td>
</tr>
<tr>
<td>% Change</td>
<td>-50.70%</td>
<td>33.66%</td>
</tr>
<tr>
<td>Value</td>
<td>114,980</td>
<td>23,074</td>
</tr>
</tbody>
</table>
| Value to Date  | 259,069     | 200,790         | 315,770

**Source:** Data collected by and reprinted with permission from Export Development Canada’s Weekly Commodity Update.

### Winnipeg Building Permit Statistics: April 2009

<table>
<thead>
<tr>
<th></th>
<th>Residential</th>
<th>Non-Residential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apartment</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Rowhouse</td>
<td>12</td>
<td>0</td>
</tr>
<tr>
<td>Semi-detached</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>Single</td>
<td>158</td>
<td>99</td>
</tr>
<tr>
<td>Alterations/</td>
<td>426</td>
<td>385</td>
</tr>
<tr>
<td>Additions</td>
<td>158</td>
<td>385</td>
</tr>
<tr>
<td>Total</td>
<td>609</td>
<td>485</td>
</tr>
</tbody>
</table>

**Source:** Data collected by and reprinted with permission from Winnipeg Building Permits Summary, April 2009. For more information, please visit www.winnipeg.ca/ppd.

### Material Prices

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Week ending 4/24/09</th>
<th>Week ending 5/15/09</th>
<th>% change from 1 year ago</th>
<th>Trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude Petroleum</td>
<td>51</td>
<td>56</td>
<td>-55.4%</td>
<td>↑</td>
</tr>
<tr>
<td>Natural Gas</td>
<td>3.29</td>
<td>4.05</td>
<td>-64.2%</td>
<td>↓</td>
</tr>
<tr>
<td>Copper (USD/metric ton)</td>
<td>4484</td>
<td>4447</td>
<td>-48.1%</td>
<td>↑</td>
</tr>
<tr>
<td>Steel (USD/ton)</td>
<td>158</td>
<td>150</td>
<td>-70.1%</td>
<td>↓</td>
</tr>
<tr>
<td>Lumber (spL 2x4 USD/000bf)</td>
<td>173</td>
<td>163</td>
<td>-32.3%</td>
<td>↑</td>
</tr>
<tr>
<td>Oriented strand board (7/16 USD/000 sq. ft.)</td>
<td>155</td>
<td>142</td>
<td>-18.0%</td>
<td>↓</td>
</tr>
</tbody>
</table>

**Source:** Data collected by and reprinted with permission from Export Development Canada’s Weekly Commodity Update.

---

**Industry News**

---

**Major Winnipeg Projects: issued in April 2009**

<table>
<thead>
<tr>
<th>Value ($)</th>
<th>Building Permit Description</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>$507,000</td>
<td>Interior Alteration of an Office Multi-tenant</td>
<td>269 Main St.</td>
</tr>
<tr>
<td>$540,000</td>
<td>Construction of a new Gas Service Store</td>
<td>1626 Ness Ave.</td>
</tr>
<tr>
<td>$550,000</td>
<td>Construction of a new SFD &amp; Attached Garage</td>
<td>545 Christie Rd.</td>
</tr>
<tr>
<td>$550,000</td>
<td>Construction of a new SFD &amp; Attached Garage</td>
<td>83 Autumnview Dr.</td>
</tr>
<tr>
<td>$600,000</td>
<td>Partial Permit-Foundation of a Retail Store</td>
<td>1430 Ellice Ave.</td>
</tr>
<tr>
<td>$800,000</td>
<td>Interior Alteration of a Shopping Centre</td>
<td>1485 Portage Ave.</td>
</tr>
<tr>
<td>$800,000</td>
<td>Interior Alteration of a Retail Store</td>
<td>360 Main St.</td>
</tr>
<tr>
<td>$852,794</td>
<td>Interior Alteration of a Bank</td>
<td>360 Portage Ave.</td>
</tr>
<tr>
<td>$1,036,000</td>
<td>Interior Alteration of a Shopping Centre</td>
<td>2305 McPhillips St.</td>
</tr>
<tr>
<td>$1,277,607</td>
<td>Interior Alteration of a Hospital</td>
<td>409 Tache Ave.</td>
</tr>
<tr>
<td>$1,280,000</td>
<td>Partial Permit-Foundation of a Supermarket</td>
<td>1051 Winnipeg Ave.</td>
</tr>
<tr>
<td>$1,332,219</td>
<td>Repair of a Parkade – below ground</td>
<td>210 Oakland Ave.</td>
</tr>
<tr>
<td>$4,200,000</td>
<td>Construction of an Addition to a School</td>
<td>711 Jefferson Ave.</td>
</tr>
<tr>
<td>$4,825,000</td>
<td>Construction of an Addition to a Industrial Building</td>
<td>140 Otter St.</td>
</tr>
<tr>
<td>$5,914,200</td>
<td>Construction of a New Government Office</td>
<td>1284 Main St.</td>
</tr>
<tr>
<td>$6,000,000</td>
<td>Construction of New Apartments</td>
<td>500 Lindenwood Dr.</td>
</tr>
<tr>
<td>$8,400,000</td>
<td>Interior Alteration of an Office</td>
<td>1525 Buffalo Pl.</td>
</tr>
<tr>
<td>$9,000,000</td>
<td>Construction of an Addition to a Hospital</td>
<td>2340 Pembina Hwy.</td>
</tr>
<tr>
<td>$30,720,000</td>
<td>Partial Permit-Foundation of a Museum</td>
<td>85 Waterfront Dr.</td>
</tr>
</tbody>
</table>

**Source:** Data collected by and reprinted with permission from Winnipeg Building Permits Summary, April 2009. For more information, please visit www.winnipeg.ca/ppd.

---

**Material Prices**

---

**Now serving you from our new office in Winnipeg.**

#15-199 Omads Creek Boulevard
Winnipeg Manitoba R2R 1V9
Tel 204.779.6336 • Fax 204.779.6702
www.gracom.ca
The pace of growth in the index for primary steel products dipped below a double-digit pace for the first time this year. In spite of output reductions by some of the majors, expectations persist for weaker prices bracketed by the lack of demand from the automotive and construction sectors. The lumber index declined on a monthly basis, however, measured against last year’s weak observations is up 6%. The asphalt index rose marginally in the last two months, however index declines should emerge as year-ago comparisons will begin to be made against the rapid rise in the index last year. The price index for ready mix concrete remained flat with only minimal growth against last year’s observation.
Abesco Ltd ........................................ 40
www.abesco.ca
 accuratedorwin.com
AGS Rentals ...................................... 40
www.agsltd.com
 Aikins MacAulay & Thorvaldson .......... 7
www.aikins.com
 Assante Capital Management Ltd ........ 9
www.assante.com
 BDR Services Ltd ............................... 50
www.bdrservices.ca
 Bockstael Construction Ltd ............... 46
www.bockstael.com
 Border Glass & Aluminum ................... 31
www.borderglass.com
 Brock White Company LLC .............. 38
www.brockwhite.com
 Carlson Commercial &
 Industrial Services Ltd ................ 33
www.carlson.mb.ca
 Cloverdale Paint Inc ......................... 29
www.cloverdalepaint.com
 Concord Projects Ltd ....................... 37
www.concordprojects.com
 Construction Safety Association
 of Manitoba . . 26 & 27, Outside Back Cover
www.constructionsafety.ca
 Crosier Kilgour & Partners Ltd .......... 17
www.kpeng.com
 Custom Drywall Manitoba Ltd .......... 42
www.doka.canada.com
 Dynamic Building Control Inc .......... 40
Doka Canada Ltd/Ltee ....................... 19
www.doka.canada.com
 Econo Wall & Ceilings ....................... 47
 E.K. Construction 2000 Ltd .............. 44
www.ekc2000.com
 EllisDon Corporation ....................... 3
www.ellisdon.com
 Epp Siepman Engineering ............... 37
www.eppsiepman.com
 Gracom Masonry ............................. 48
www.gracom.ca
 Grandeur Housing Ltd .................... 39
www.grandeurhousing.com
 Hill Dewar Vincent ......................... 11
www.hillco.mb.ca
 Hotsy Central ................................. 20
www.hotsy.com
 Industrial Ventilating Contractors Ltd ... 50
 Keywin Industries Ltd ..................... 59
www.keywinmb.ca
 Land Measurement Systems Inc ........ 35
www.lmsurvey.com
 Lawson Sales 1990 Ltd .................... 24
www.lawsonsales.com
 Manitoba Blue Cross ....................... 17
www.mb.bluecross.ca
 Mccaine Electric Ltd ...................... 32
www.mccaine.com
 Merit Contractors
 Association ................................. 46
www.meritmb.com
 Merit Iron Ltd ................................ 46
www.meritiron.com
 Metal Depot (2000) Ltd ................. 37
www.metaldepotltd.com
 Oakwood Roofing &
 Sheet Metal Co. Ltd ....................... 41
www.oakwoodroofing.com
 Piping Industry Training –
 United Association Local 254 ........... 24
www.ualocal254.ca
 Prairie HVAC ................................. 10
www.prairievac.com
 Prairie West Scaffolding Ltd ........... 15
Pre-Con Builders ......................... 45
www.preconbuilders.com
 Ranger Insurance ......................... 31
www.rangerinsurance.ca
 Rocky Road Recycling Ltd ............ 13
www.rockyroadrecycling.ca
 S & J Construction Ltd . . Inside Front Cover
Speciality Industries (1997) Inc ........ 40
www.structurescan.ca
 Thom’s Welding Service ............... 42
www.thomswelding.ca
 Three Way Builders Ltd ............... 47
www.threewaybuilders.com
 Tri-Star Electric Co. Ltd ............... 44
www.tristar.ca
 Waverley Chrysler Dodge Jeep Ltd .... 12
www.waverleydodge.ca
 Westland Construction Ltd ............ 43
www.westlandltd.net
 Wheat City Roofing Ltd .................. 8
www.wheatcityroofing.com
 Williams Engineering Canada ........ 32
www.williamsengineering.com
 WinnPro Construction Ltd .......... 33
www.winnproconstruction.ca
 Workers Compensation Board ........ 4
www.safemanitoba.com

Automatic Sprinkler Fire Protection Systems
Clean Agent Fire Suppression Systems
Inspection, Maintenance, & Repair
New Installations & Alterations
24/7 Emergency Service

BDR SERVICES LTD
527 Jarvis Avenue Winnipeg MB R2W 3A8

I V C
Industrial Ventilating Contractors
Fabricators & Erectors of Sheet Metal
since 1965
24 Trottier Bay, Wpg. MB R3T 3Y5
Tel. 204-284-2002 Fax 204-284-2882
Email: admin@lvctltd.com

Ventilation Contracting
and Custom Sheet Metal Manufacturing Services
The first year, your kitchen table was your office.

You don't aim to be the biggest, but the best.

Sometimes you miss your weekends.

You believe hard work should have benefits.

Merit Canada got its start from a handful of contractors with a vision to make the construction industry better for workers. A couple of decades and 50,000 workers later, Merit is the nationwide voice of open shop construction in Canada and an innovator in human resources. Whether you’re a company of 3 or 3000, Merit Canada has you covered.
The objectives of the CSAM are to:

- Provide information regarding accident prevention methods and changes to health and safety regulations.
- Develop resources, tools and training programs to enable contractors to meet their legislated responsibilities.
- Provide guidance with respect to establishing comprehensive safety programs tailored to meet the needs of individual companies both large and small.
- Act as the Authority Having Jurisdiction to grant COR™ Certification and Small Employer COR™ Certification.

For more information, please contact us at:

[www.constructionsafety.ca](http://www.constructionsafety.ca)
WINNIPEG: 204.775.3171
BRANDON: 204.728.3456