

Design/Build: Another term for *team*

Unlike the traditional method, in which separate contracts are issued for design, construction and all other phases of the work, design/build brings the owner, designer, contractor and subcontractors together to work as a team to get the job done. Design/build is the best tool an owner has in creating a team that can work toward a common goal. Working as a team, the owner, architect and contractor have the means to ensure the successful blending of their unique talents.

The most critical and decisive stage of any project is the beginning - where the initial budgeting and design criteria are established.

- Owner: Establishes the overall requirements of the project - size, use, needs, functions, requirements and pro forma budgets.
- Architect: Helps establish realistic expectations for the owner, which include design, aesthetics, functionality, and codes.
- Contractor: Ensures cost control, budgets, methods and means, scheduling, quality assurance and guarantees maximum price.

Design/build allows the owner to objectively address the often confusing issues of a project during the design process - not after the fact, when it is often too late.

Some of the many advantages of design/build construction include:

- Potential for reduced administration burden.
- Early knowledge of total project cost.
- Improved risk management.
- Single source responsibility.
- Time savings.

In summary, design/build is the best assurance the owner has that his project will meet or exceed expectations, be on time and within budget.

Need more information about design/build and how it can work on your next project? Give Jim a call at (613) 926-0690 to discuss the many benefits of design/build construction.

Employee Spotlight: Elaine O'Brien

Chevron Construction is proud to announce the full-time employment of Elaine O'Brien. Her duties at Chevron include invoicing, payroll, assisting with accounts payable and receivables, keeping records and reception. Elaine has been working for Chevron in a part-time position since October 2003. Elaine brings with her over 24 years experience in the construction industry.

Elaine and her husband Ralph have three children and four grandchildren.



Pictured above: Top row (left to right), Elaine's children Paul, Tracy and Michael. Bottom row Ralph and Elaine.

What's so punny?

- A plateau is a high form of flattery.
- The short fortune-teller who escaped from prison was a small medium at large.
- Once you've seen one shopping center, you've seen a mall.
- Those who jump off a Paris bridge are in Seine.
- When an actress saw her first strands of gray hair, she thought she'd dye.
- Bakers trade bread recipes on a knead-to-know basis.



Spring 2007

with Chevron Construction Services Ltd.

3M Expansion

Chevron Construction Services Ltd. was pleased to be selected as Project Managers for 3M Brockville's expansion to their California Avenue facility. The project involved a warehouse and loading dock expansion, structural changes to their existing process areas including new mezzanines and office renovations.

The project started in April 2006 and was completed in February 2007. 3M has been a client of Chevron Construction's for many years and we are very proud of the relationship we have developed over this time.

3M announced in early 2006 that they would expand and upgrade their production capabilities at its Brockville Tape Plant. 3M Canada's Brockville Tape Plant is one of their five Canadian manufacturing plants. The plant produces masking tape for North American and Global markets. The plant opened in 1994 and has undergone numerous upgrades and expansions to keep up with the growing demand for its products.

Congratulations to all the staff at 3M on the successful completion of your most recent expansion!



Pictured above, new loading docks at 3M Tape Plant.

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Safety First

Focus on the five Ss.

The Japanese have long recognized the vital importance of workplace housekeeping. Many Japanese companies follow a simple but rigorous housekeeping program known as the Five Ss:

1- Seiri, which can be translated as sorting, refers to the practice of sorting through all the tools, materials, etc., in the work area and keeping only essential items. Everything else is stored or discarded. This leads to fewer hazards and less clutter to interfere with productive work.

2- Seiton, or organizing, focuses on the need for an orderly workplace. Tools, equipment, and materials must be systematically arranged for the easiest and most efficient access. A place for everything and everything in its place.

3- Seiso, which means cleaning, indicates the need to keep the workplace clean as well as neat. Cleaning in Japanese companies is a daily activity. At the end of each shift, the work area is cleaned up and everything is restored to its place.

4- Seiketsu, or standardizing, allows for control and consistency. Basic housekeeping standards apply everywhere in the facility. Everyone knows exactly what his or her responsibilities are. Housekeeping duties are part of regular work routines.

5- Shitsuke, which means sustaining, refers to maintaining housekeeping standards and keeping the facility in safe and efficient order day after day, year after year.

What's been said?

"If you have built castles in the air, your work need not be lost; that is where they should be. Now put foundations under them."

-Henry David Thoreau



What's Happening?

As part of our Brockville Braves Sponsorship all of our employees and their families were invited to a night of hockey and food. The Brockville Braves Fun Night took place on January 19th. Go Braves!



Pictured above, Michaela and Richard Gummer drop the puck at center ice.

Chevron Construction hosted it's first Annual Kids Christmas Party this past holiday season. On December 10th, our employees and their families gathered at the Brockville Bowling Center for bowling and food. Santa Claus also made a visit to deliver presents to the children.



Pictured above (left to right), Santa, Adriana Armstrong, Dave Vaughan and Nancy Vaughan.

Test your "smarts"

1) Which of the following foods belongs to none of the four food groups in Canada's Food Guide?

- a) Tofu
- b) Honey
- c) Evaporated Milk
- d) Peanut Butter

2) Which organization do The Flash, Wonder Woman, Superman, Batman, and Green Lantern all belong to?

- a) The Fantastic Four
- b) United Defenders of Good
- c) Captain Midnight's Secret Squadron
- d) The Justice League of America

3) What is a group of owls called?

- a) School
- b) Hoot
- c) Parliament
- d) Convocation

4) Which popular consumer item was a driving force behind early European settlement in Canada?

- a) Maple syrup
- b) Beaver hats
- c) Coal candy
- d) Mink coats

5) The Confederation Bridge, which links PEI and New Brunswick, is curved. Why?

- a) To counter the effect of ocean currents
- b) To span the shallowest parts of the strait
- c) To keep drivers alert
- d) An engineering mistake

Answers:

- 1. (b) 2. (d) 3. (c) 4. (b) 5. (c)

Storage Solutions

Self storage facilities allow customers to rent storage space to store personal or business items. This is the perfect place for home owners to store their possessions while moving, students to store their belongings while in dormitories and for businesses to store extra furniture and supplies. It is also great for seasonal items as well as cars, boats and other vehicles.

According to an article in the Montreal Gazette on January 20, 2007, "there's a lot of money to be made renting out empty space-an estimated \$8 billion last year in Canada-to provide people and business with a secure place to store their stuff." The future is also looking very good for self storage because the continually growing revenues are up by more than 15 percent plus over the past five years. There is an average of 2.5 square feet of self storage space per capita in Canada; compared to approximately 6 square feet in the US - with some states like Nevada, having up to 12 square feet per capita. This suggests there is plenty of room for the industry to grow here.



Chevron Construction can provide your solution to any storage problem you are facing. We can guide you from the planning process all the way to the finished building. Call Jim today at (613) 926-0690 to discuss your storage needs.

How "smarts" are measured

In 1905, French psychologist Alfred Binet teamed up with physician Theodore Simon to develop the first intelligence test. They had both observed that some children did not advance mentally at what were judged to be normal rates as they aged and grew physically. By 1912, German psychologist William Stern termed the ratio of mental age divided by the chronological age as the "intelligence quotient" or IQ. Four years later, Lewis Terman, an American psychologist, proposed the following scale to classify IQ scores.

- Above 140 - genius or near genius
- 120-140 - very superior intelligence
- 110-119 - superior intelligence
- 90-109 - normal or average intelligence

The average IQ is 100, with 80% of the population ranging between 80 and 120. Ten percent have an IQ below 80; 10% fall above 120. Five percent have IQs above 125; 2% have IQs 132 or higher, making them potential members for Mensa, an organization of persons with high IQs. One percent has an IQ above 136, making them eligible to join TOPS (Top One Percent Society). Those with IQs of 150 or higher can join the OATH (One in a Thousand) Society.