



The KMA Update

Published by

KMA Contracting Inc.

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General Contracting • Construction Management • Design/Build • Authorized Butler Builder®

KMA receives builder award



Butler's Three Million Dollar Builder award was recently presented by Ed Helm, Butler Area Manager (centre) to KMA's Keith McEwen (left) and Robert Box.

A project underway



Architectural rendering of the Halton Hills Generating Station Screen and Sign, as viewed from Hwy. 401.

KMA was awarded a contract by TransCanada Energy Ltd. to erect a visual screen and Halton Hills sign structure between the new 638 megawatt natural gas-fired power plant and Highway 401.

The screen will be 26'-0" high and 521'-0" long. The top rail is a 26 inch diameter steel tube bent on a 921'-0" radius.

Galvanized cables join a horizontal lower tube to a curved tube above. The screen and sign will be illuminated at night, providing a visually dramatic impact.



In less than 12 weeks 136 tons of epoxy coated architectural steel was fabricated and installed.

Move in up to 30% faster...

THAT's the power of building with Butler. A Butler® building system is engineered for fast construction - up to 30% faster than conventional methods. We can save you more time and money with a design-build solution that streamlines the construction process.

Butler custom building designs allow you to really design out of the box with the assurance that what you envision is what gets built. Butler precision-engineered systems can be combined with conventional construction components and systems to best achieve your design objectives efficiently and cost-



effectively. You'll have the quality assurance of Butler building systems - precision factory engineering for a perfect fit in the field. We'll partner with you to create the most efficient and economical design. As a certified Butler Builder®, KMA is well-versed in local code requirements as well as the nuts and bolts of Butler systems.

The bottom line is:

- ✓ A fast track from commencement of project through occupancy.
- ✓ Reduced project development and construction schedule.
- ✓ On-time, on-budget delivery.

Client:

Architect:

Structural Consultant:

Subcontractors

Cable-Webbing:

Excavation & Backfill:

Caissons:

Concrete Formwork:

Rebar:

Structural Steel Fabricator:

Steel Frame & Cable Erector:

Electrical:

Halton Hills Sign:

TransCanada Energy Ltd.

Joseph Bogdan Associates Inc.

Halcrow Yolles

Soper's Engineered Fabric Solutions

Borsa Bros. Ltd.

Deep Foundations Contractors Inc.

Hardrock Forming Co.

Canada-Wide Reinforcing Steel Co. Ltd.

Depco

Island Steel Erectors

Plan Group

Pride Signs

➤ See **PROJECT UNDERWAY**, back page

Project Underway/ from front page

In just 12 weeks KMA will have completed the following scope of work:

- Cut and fill approximately 3,700 cubic-yards of material
- Installed (22)1-meter diameter caissons
- Supplied and installed over 40 tons of rebar
- Formed and poured 600 lineal feet of reinforced concrete grade beams
- Placed over 400 cubic-meters of concrete
- Installed 380 anchor bolts
- Fabricated and erected 136 tons of architectural epoxy coated structural steel
- Installed 6,000 lineal feet of ½ inch diameter cable-webbing



A total of 380 anchor bolts were set. The massive steel structure, along with its complex curvatures required that all field layout be within the strictest of tolerances. The crew from Van Harten Surveying utilized the latest technology in GPS and Total Station survey equipment (see below).



John Belsito (left), KMA Field Superintendent, teams up with the Deep Foundations crew to install (22) 1-meter diameter caissons.



The foundations for the structural steel frame required the construction of 600 lineal feet of grade beams, including the supply and placing of approximately 36 tons of rebar and over 400 cubic meters of concrete.

Gale Centre's progress

CONSTRUCTION of the new Gale Centre, a 4-pad hockey arena in Niagara Falls, continues to take shape.

Scheduled for completion next spring, this state-of-the-art facility will include one main NHL size rink with seating capacity for 2,000, and 3 community NHL size rinks, each with 250 seating capacity. Other features include a Sports Wall of Fame, an on-site Pro-Shop, office facilities and meeting rooms. The building will be fully accessible. As the authorized Butler Builder® on this project, KMA is very pleased to be working with



Structural steel over rinks 3 and 4



Aerial view 1

Aquicon Construction Co. Ltd. Architect is **Barry • Bryan**

Associates Ltd.

and steel erector is

B.B. Gunn

Contracting Ltd.

Epoxy steel coating

supplier is

Blastech

Corporation.



Aerial view 2



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Affiliations:

- Ontario General Contractors Association
 - OGCA Safety Group
- Canadian Design-Build Institute
- Grand Valley Construction Association
- Merit Openshop Contractors Association of Ontario
 - Guelph Chamber of Commerce

“THE measure of success is not whether you have a tough problem to deal with, but whether it's the same problem you had last year”.

- JOHN FOSTER DULLES