THE IRONWORKER

DECEMBER 2017

Canada Celebrates 150th ANNIVERSARY

with an Intricate Facelift to Parliament Hill

IN THIS ISSUE

THE IRONWORKER

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FEATURES

DEPARTMENTS

ORGANIZED. SKILLED. PROFESSIONAL.

On the Cover

The West Block Rehabilitation project—Parliament Buildings, located in Ottawa, Ontario, an $863-million rehabilitation project, commenced in 2011 with occupancy planned for fall 2018. A major upgrade includes a permanent infill structure to cover the existing courtyard. Walters Inc., headquartered in Hamilton, Ontario, was awarded the contract to detail, fabricate and install 1,000 tonnes of structural steel consisting of over 5,000 assemblies connected with over 30,000 bolts.

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Season's Greetings

FROM THE INTERNATIONAL OFFICERS

INTERNATIONAL ASSOCIATION OF BRIDGE, STRUCTURAL, ORNAMENTAL AND REINFORCING IRON WORKERS

A time of joy and goodwill, the holiday season gives us the opportunity to celebrate the many blessings provided by being a union ironworker—increased work opportunities, a safe and healthy jobsite, good wages, benefits and standard of living, and the ability to raise up all of those in our trade.

We continue to pursue our goal of being the leader in the ironworking industry and labor movement, spreading the message of solidarity we all believe in. Across North America, we advanced our purpose, with a commitment to progress and innovation, while holding true to our values and tradition. May our shared beliefs spread throughout workplaces, jobsites and communities.

As we welcome 2018, let us rededicate ourselves to "See Something! Say Something!" Unfortunately, seven brothers lost their lives on the jobsite in 2017. In their memory, we pledge to commit to the year of zero fatalities and incidents. Our job will not be done until every ironworker returns home safe to their families.

We thank you for all that you have done for our union and will continue to do in the years to come. We wish you and your family a wonderful holiday season and a happy and safe new year.

ERIC DEAN
General President

RON PIKSA
General Secretary

BERNARD EVERS JR.
General Treasurer

Canada Celebrates 150th Anniversary with an Intricate Facelift to Parliament Hill

Submitted by Walters Group Inc., Eric Lemire Enterprises Inc., AGF Steel Inc., Local 765 (Ottawa, Ontario) and Jeff Norris, Canadian safety coordinator

"The Hill" – The Birth and the Building of a Nation

On July 1, 1867, the Dominion of Canada is born. 2017 marked the 150th anniversary of the confederation, a significant moment in the history of Canada.

History Begins

In 1826, Lieutenant Colonel John By of the Royal Engineers led the design and build of the Rideau Canal, a 202-kilometre long waterway connecting the Ottawa River in the north with Lake Ontario in the south. Completed in 1832, the canal was part of the military preventative measures taken to avoid any future American invasion, a defensive strategy and a legacy of the War of 1812. It also became a busy artery from Montreal to the Great Lakes. The northern post of the canal was named Bytown, after John By.

Questioning the Monarch

Locating Canada's seat of government was a 17-year process. The capital alternated between Toronto and Québec every four years and by 1857, the province of Canada was in political upheaval and the answer to the question of where to locate the permanent identity of the nation's political interest was in the hands of the monarch.

On Dec. 31, 1857, Queen Victoria of the United Kingdom of Great Britain chose Ottawa, formerly known as Bytown, as the capital of the United Province of Canada. The queen selected Ottawa because it was situated on a cliff, making it easier to defend from a possible attack. The new permanent legislature would be constructed on 25 acres set on a dramatic hill with a gently sloping limestone cliff overlooking the majestic Ottawa River.

During the era of confederation, few building projects the size and scale as the proposed parliament buildings had ever been completed. Therefore, a competition was organized in 1859 to find suitable architects for three federal buildings, including a parliament building (Centre Block), two adjacent administrative buildings (East Block and West Block). From the first stones laid in 1859 to the iron "Queen's Gates" erected at the main entrance of Parliament Hill in 1877, the landscape and buildings are finally completed, representing one of the finest examples of gothic revival architecture in the British Empire.

Addressing a concern of government since 1912, a long-term conservation plan includes the rehabilitation of the West Block to meet the current and future needs of parliamentarians. The $863-million project began in 2011, and building occupancy is planned for the opening session of Parliament in fall 2018. Main restoration and improvements include the replacement of electrical, mechanical, life-safety systems, windows, roof and modernization of information technology and multimedia capabilities. Rehabilitation also encompasses the exterior masonry, sculptural elements and decorative ironwork as well as asbestos abatement within the project. A major upgrade involves seismic and structural reinforcement of the building to withstand earthquakes.

Following the renovation, the building will house the interim House of Commons Chamber, four committee rooms and offices for the Prime Minister, House officers and party leaders. The government of Canada's plan called for a new Visitors Welcome Centre, most of which is located subterranean, an excavated "basement" where 44,000 cubic metres of bedrock was removed with the meticulous assistance of dynamite, creating a void

1 **West Block Rehabilitation project and Parliament Buildings, Ottawa, Ontario. Courtesy of Richard Seck and Ojdrovic Engineering, structural engineers for the West Block project.**

Projet de restauration de l'édifice Ouest, édifices du Parlement, Ottawa, Ontario. Courtoisie de Richard Seck, Ojdrovic Engineering, ingénieurs en structure pour le projet de l'édifice Ouest.

2 **Canada's Parliament Buildings.**

Édifices du Parlement du Canada.

3 **Colonel By watching the building of the Rideau Canal, 1826.[1]**
Charles William Jefferys, Imperial Oil Collection Series, Library and Archives Canada, assession number 1972-26-795, C-073703.

Colonel By, observant la construction du Canal Rideau, 1826.
Charles William Jefferys, collection de la Pétrolière Impériale, Bibliothèque et Archives Canada, numéro d'acquisition 1972-26-795, C-073703.

4 **Dec. 31, 1857, Queen Victoria chooses Ottawa as the capital of the United Province of Canada.**

31 décembre, 1857, la Reine Victoria choisit Ottawa comme capitale de la Province unie du Canada.

5 **Construction of West Block, circa 1861.**

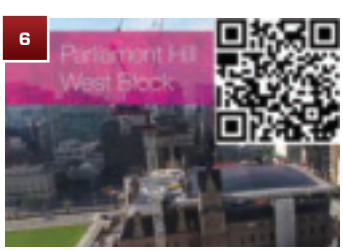
Construction de l'édifice Ouest, aux alentours de 1861.

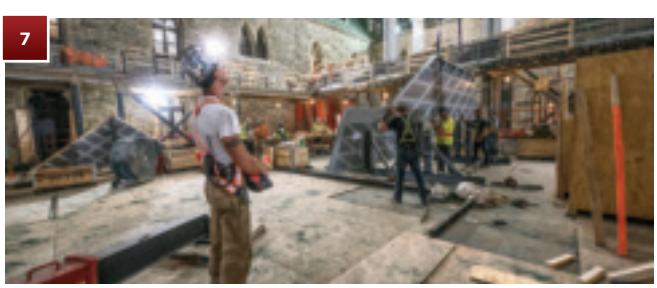
6 **Scan QR Code to view drone footage of the West Block Rehabilitation.**

Numériser le code QR pour voir les images de drone de la restauration de l'édifice Ouest

7 **Tom Schierfeld, Serge Lantaigne, Guy Roussel, Carl Leblanc Bergeron and Steve Barnes. Courtesy of ®Roberta Gal, Public Services and Procurement Canada.**

Tom Schierfeld, Serge Lantaigne, Guy Roussel, Carl Leblanc Bergeron, Steve Barnes. Courtoisie de ®Roberta Gal, Services publics et Approvisionnement Canada.





where the bulk of reinforcing steel was installed into formwork to create a space enveloped by walls, floors and ceilings 1.5 metres thick. Combined with the new chamber, space will increase by 50 percent.

Christian Witt, general manager, AGF Steel Inc., Ottawa Division, stated, "Our scope included the supply and install of 920 metric tonnes of reinforcing steel and large stud rails at the new Visitors Welcome Centre, allowing for seven ironworkers on-site for over 1,100 hours. Foreman Tim McDougall said the most memorable part of the project was completing the intricate arched main entrance beam.

Eric Lemire Enterprises, an Ottawa-based company, commenced work on the project in November 2013, which encompassed a wide variety of work scopes ranging from fitment of seismic upgrading systems, reinforcing of existing floors, placement of large trusses and installation of blast proof window supports and bronze guardrails. Although challenges occurred daily, the knowledge and skill of the ironworker overcame the difficulties; most specifically, the achievement of a large skylight installation in between the irreplaceable heritage stones without causing damage. Ironworkers successfully positioned a temporary bridge between the West Block Building and the Visitors Centre with very limited space. Additionally, they lifted an existing floor with a shoring system to stabilize the North, South and Laurier Towers having a maximum height variation of only 1 millimetre.

Sylvie Lemire, general manager, said, "We will leave this project in 2018 with many memorable experiences including meeting Prime Minister Justin Trudeau and showing comedy celebrity Rick Mercer, how to install supporting beams. But above all, having the opportunity and the honour to be a part of our country's iconic heritage by extending the life of our Parliament Buildings that will be treasured for another 150 years."

In the last four years, 20 ironworkers including six apprentices have worked 130,000 hours installing 3,000 tons of steel.

Eric Lemire, owner, commented, "We are so proud of our crew, delivering excellent service on time and completing this project without any lost-time incidents."

Walters Inc., headquartered in Hamilton, Ontario, was awarded the supply, fabrication and installation of the structural system that would create the massive veil over a previously open courtyard to build a new naturally lit interior space.

They crafted what would be known as the "tree columns" and "branches," which support the cloud roof

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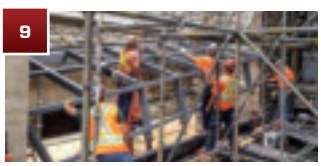

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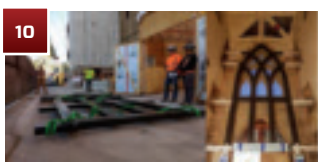

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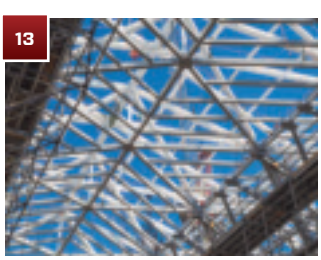

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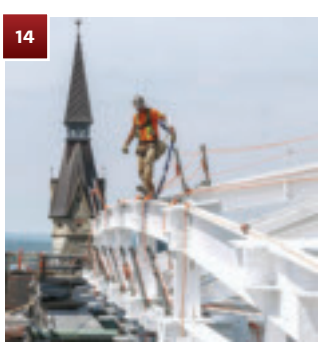

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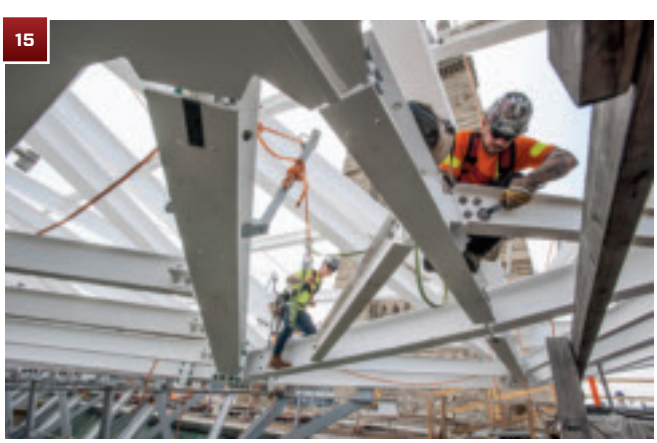

structure, consisting of over 5,000 assemblies, which if placed end to end, would stretch over 7 kilometres. The assemblies are held together with over 30,000 bolts. All fabrication and painting of more than 1,000 tons of structural steel occurred at Walters' Hamilton and Princeton, Ontario facilities. Evolving engineering requirements necessitated additional strength and safety testing, including adjustment to weld requirements. The precision worked into the fabrication and installation ensured the glazing fit to the steel with no issues.

The tapered architecturally exposed structural steel (AESS) and encased steel branches needed to be held together with concealed bolted connections. Applied to the branches was a two-coat, high-end coating system, including a polyurethane finish, resulting in careful handling by the ironworkers during unloading and erection. The shapes, which are both geometric and organic, created challenging tolerance issues needing to be resolved before installation. The geometry of the project is quite unique, in that the cloud structure is completely independent of the existing structure and fully supported by the trees and branches. Due to steel's flexibility, it was the best material to utilize for such an exceptionally unique structure.

The cloud structure consisted of a complex array of vertical bracing and beams supported from the branch tips creating a type of three-dimensional space framing, where the load paths are not apparent, far different and more complex than the typical simply supported truss system seen in most buildings. Using 3D software, Walters was able to identify and resolve potential interferences — places where glass fittings, mechanical elements or other features conflicted with one another. Modeling also revealed paths where conduits could run up through the tree columns and branches, adding additional function beyond structural strength. The overall height from floor of courtyard to top of roof is 23 metres.

Understanding the architect's intent and creating a plan for constructing it was the primary focus for Walters; their goal is to help make a vision a reality. For the project, the architect's design of a gothic revival architectural style was consistent with the original building, which allowed Walters to continue the connection design and detailing to incorporate the constructability needs without compromising the style.

The tree columns and branches were fully connected to test fit before shipping to site. The shop fabrication jigs were transported and reassembled at the site to realign the structural members for field weldments and to ensure correct geometry. "We had to be plus or

8 **Eric Lemire Enterprises; François Beauchamp, René Fecteau, Marc Thérrien and Jason Roney installing a temporary bridge between the West Block Building and the Parliament Visitors Centre.**

Eric Lemire Enterprises; François Beauchamp, René Fecteau, Marc Thérrien et Jason Roney installent un pont temporaire entre l'édifice Ouest et le Centre d'accueil des visiteurs.

9 **Eric Lemire Enterprises Inc.; Danny O'Reilly, Steven Spirak, Julien L'Écuyer, Doug Bennett and Frank Doré carefully set the courtyard skylight structural frame between the heritage stonework.**

Eric Lemire Enterprises Inc.; Danny O'Reilly, Steven Spirak, Julien L'Écuyer, Doug Bennett et Frank Doré installent minutieusement le cadre structurel du puits de lumière de la cour entre les ouvrages en pierre patrimoniaux.

10 **Michel Montreuil, Frank Doré and Danny O'Reilly plan and prepare the south entry frame for hoisting and final installation.**

Michel Montreuil, Frank Doré et Danny O'Reilly planifient et préparent le cadre de l'entrée sud pour le levage et l'installation finale.

11 **Rick Mercer, comedian and television personality, visits the ironworkers at the Parliamentary Rehabilitation site.**

Rick Mercer, comédien et personnalité de la télévision, visite les travailleurs des métiers de l'acier sur le chantier de la restauration du Parlement.

12 **Bleacher installation. Courtesy of Richard Seck and Ojdrovic Engineering, structural engineers for the West Block project.**

Installation des gradins. Courtoisie de Richard Seck, Ojdrovic Engineering, ingénieurs en structure pour le projet de l'édifice Ouest.

13 **Courtesy of Richard Seck and Ojdrovic Engineering, structural engineers for the West Block Project.**

Courtoisie de Richard Seck, Ojdrovic Engineering, ingénieurs en structure pour le projet de l'édifice Ouest.

14 **Iron Workers Local 765 Tom Schierfeld.**

Tom Schierfeld de la section locale 765 des travailleurs des métiers de l'acier.

15 **Ironworkers Curtis Henry and Dan Proulx tighten bolts connecting the beams that will hold the glass panels on the roof. The Mackenzie Tower looms behind them. Courtesy of ®Roberta Gal, Public Services and Procurement Canada.**

Les travailleurs des métiers de l'acier Curtis Henry et Dan Proulx serrent des boulons pour connecter les poutres qui retiendront les panneaux de verre du toit. On aperçoit la tour Mackenzie derrière eux. Courtoisie de ®Roberta Gal, Services publics et Approvisionnement Canada.

minus a maximum of 3 millimetre at the pyramid level to guarantee our alignment during the erection process, and we executed our plan to near perfection," stated Marc Boucher, site superintendent. "In my 38-year career as a member of Local 765 (Ottawa, Ontario), I have enjoyed traveling and working on projects across the world. This one will be remembered, as I marvel at the complexity of this project." He added, "The planning and execution involved the entire team. I am very pleased with the ironworkers from Local 765. Their professionalism, coordination and motivational drive were awesome. We are recognized by our client; they are impressed by our people. Our presence continued on the project with additional scope being granted to Walters week to week, and we appreciate it!" Extra scope included the installation of acoustical panels in the commons area. The government set high standards for acoustical performance, both for interior acoustics and speech privacy, while maintaining the heritage components of the existing design.

The construction sequence was one of the main challenges. With many dignitaries and media frequently touring the project, including Prime Minister Justin Trudeau, the site was quite congested, having narrow access roads. Due to national security of the entire area, the site was also subjected to access clearance and restrictions for personnel and materials.

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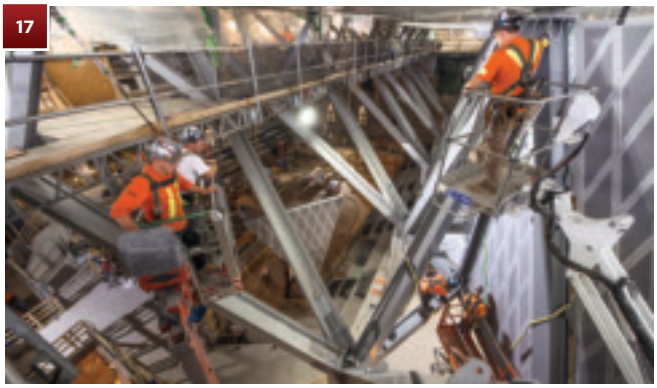

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The West Block project was a complex structure with many different challenges, from maintaining geometry to installing completely new components to them, like the acoustic panels. The ironworkers from Local 765 are an incredibly skilled bunch, who met every challenge head on and with great passion. The result being a monumental structure delivered on time and something that we can all be proud of. The Local 765 team worked hard day in and day out and I would thank them for their efforts." Aaron Bean, project manager, Walters Inc.

« Le projet de l'édifice Ouest était une structure complexe comportant de nombreux défis, notamment le maintien de la géométrie et l'installation d'éléments complètement nouveaux à celle-ci comme les panneaux acoustiques. Les travailleurs des métiers de l'acier de la section locale 765 sont un groupe très compétent qui surmonte tous les obstacles avec une grande passion. Ainsi, une structure monumentale a été livrée à temps. Voilà de quoi être fier! L'équipe de la section locale a travaillé très dur jour et nuit, et je souhaite les remercier pour leurs efforts. » Aaron Bean, gestionnaire de projet, Walters Inc. avec photo de groupe du groupe Walters.

16 **The team, top row: Guy Roussel, Carl Leblanc Bergeron and Marc Noel. Bottom row: Tom Schierfeld, Curtis Henry, Troy Helmer, Steve Barnes, Serge Lantaigne, Geoff Collis and Phil Adams ready to lift the last acoustic panel. Courtesy of ®Roberta Gal, Public Services and Procurement Canada.**

L'équipe, rangée du haut : Guy Roussel, Carl Leblanc Bergeron, Marc Noel Rangée du bas : Tom Schierfeld, Curtis Henry, Troy Helmer, Steve Barnes, Serge Lantaigne, Geoff Collis, Phil Adams, prêts à lever le dernier panneau acoustique. Courtoisie de ®Roberta Gal, Services publics et Approvisionnement Canada

17 **At top, Eric Dearman, Geoff Collis and Mark Noel, along with Guy Roussel and Curtis Henry install acoustic panels onto the "tree" supports that hold up the glass roof, in the future House of Commons space. A special crane was used in the interior, along with several bucket lifts. Courtesy of ®Roberta Gal, Public Services and Procurement Canada.**

(Haut) Eric Dearman, Geoff Collis, Mark Noel, (bas) Guy Roussel, Curtis Henry Les panneaux acoustiques sont installés sur les supports en « arbres » qui retiennent le toit de verre, dans le futur espace de la Chambre des communes. Une grue spéciale a été utilisée à l'intérieur, avec de nombreux chariots à benne. Courtoisie de ®Roberta Gal, Services publics et Approvisionnement Canada.

18 **Guy Roussel, Curtis Henry and Mark Noel install acoustic panels. Courtesy of ®Roberta Gal, Public Services and Procurement Canada.**

Guy Roussel, Curtis Henry, Mark Noel Les panneaux acoustiques sont installés. Courtoisie de ®Roberta Gal, Services publics et Approvisionnement Canada.

19 **Walters staff: Aaron Bean, project manager; Mary Smith, field coordinator and Marc Boucher, site superintendent.**

Le personnel de Walters, de gauche à droite : Aaron Bean, gestionnaire de projet; Mary Smith, coordonnatrice sur le terrain, Marc Boucher, superintendant du chantier.

During the erection, the massive excavation for the new Visitors Welcome Centre combined with the restriction of a 900-square metre laydown and assembly area kept logistics and communications at the forefront.

The construction planning on the project required Walters to detail everything piece by piece. Accordingly, a plan was developed in the 3D model. Each stage required engineering review and supply of custom temporary supports or bracing when necessary to ensure continuous stability of the structure during erection. The attention to planning allowed the project to be completed in a timely, efficient and safe manner.

"We had some unique challenges, particularly with the hoisting of the completed sections of steel weighing upward to 8,200 kilograms at a significant radius from the centre of rotation of the cranes. We performed a complete crane study for the Terex CTL 630 and the Peiner SK315 equipment. Some of our engineered lift plans were executed at 100 percent of capacity. Everything had to be correct. The crew performed impeccably with our plan," stated Bryce Mesley, regional construction manager.

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This project required Walters Group to bring together of an array of experienced individuals to address the many challenges. The comprehensive team consisted of engineers, detailers, welders, fitters and ironworkers to cover all the facets on the massive endeavor.

The teamwork attributing to the success of this project did not only include the Walters organization, their gratitude of partnership extends to the owner, Public Services and Procurement Canada; their client, PCL Constructors Canada; the architects, ARCOP/FGM; the engineer, Ojdrovic Engineering; the glazing contractor, Seele Canada; along with the many on the project.

OWNER	Public Services and Procurement Canada
GENERAL CONTRACTOR	PCL Constructors Canada
CONTRACTORS	Walters Inc. Eric Lemire Enterprises Mometal Structures Inc. AGF Steel Inc., Ottawa Division ABF Reinforcing Steel, Ontario
ARCHITECT	ARCOP/FGM
ENGINEER	Ojdrovic Engineering
GLAZING CONTRACTOR	Seele Canada 2,485 m² triple-glazed curved glass 2,554 m² laylight glazing under roof 871 m² movable louvres 1,813 m² open-grid flooring for service catwalk 925 m² acoustic panels

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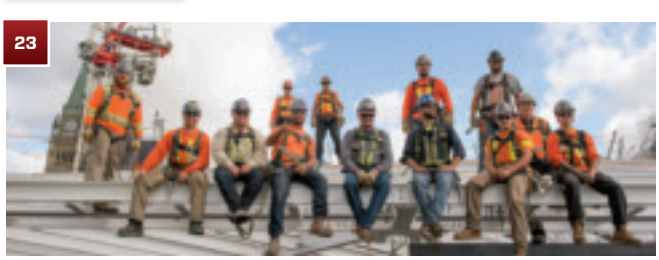

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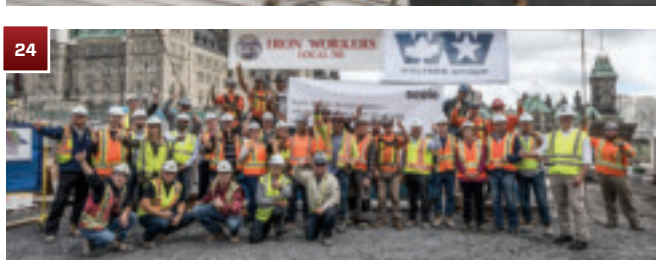

OTTAWA FACTS

- The name Ottawa comes from the Algonquin First Nations word *adawe*, which means to *trade*.
- In winter, the Rideau Canal becomes the longest skating rink in the world (7.8 km).
- Nearly half the population is under the age of 35, making it one of the youngest cities in Canada.
- There are more than 14 museums in Ottawa. The Canadian Museum of Civilization is the most visited museum in Canada.
- Parliament Hill is one of Canada's most important heritage sites and popular tourist attractions.

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Le Canada célèbre son 150e anniversaire avec la métamorphose complexe de la Colline parlementaire

Présenté et écrit par: Walters Group Inc., Éric Lemire Enterprises Inc., AGF Steel Inc., Ironworkers Section Locale 765 et Jeff Norris, Coordonateur Canadien en Santé et Sécurité.

La « Colline » – la naissance et la construction d'une nation

Le 1er juillet 1867, le Dominion du Canada est né. L'année 2017 marque le 150e anniversaire de la Confédération, un moment important dans l'histoire du Canada.

L'histoire commence

En 1826, John By, lieutenant-colonel du Royal Engineers a dirigé la conception et la construction du Canal Rideau, une voie de navigation d'une longueur de 202 km reliant la rivière des Outaouais au nord, au Lac Ontario au sud. Achevé en 1832, le canal faisait partie des mesures militaires préventives prises pour éviter toute future invasion américaine, une stratégie défensive et un héritage de la guerre de 1812. Il est également devenu une artère achalandée de Montréal aux Grands Lacs. Le poste nord du canal a été nommé Bytown, en l'honneur de John By.

Des questions pour la reine

Il a fallu 17 années pour définir le siège du gouvernement du Canada. La capitale a alterné entre Toronto et Québec tous les quatre ans. En 1857, la province du Canada connaissait des bouleversements politiques, et la réponse à la question où situer l'identité permanente du centre politique de la nation était entre les mains de la reine.

Le 31 décembre 1857, la Reine Victoria du Royaume-Uni de Grande-Bretagne a choisi Ottawa, anciennement appelée Bytown, comme capitale de la Province unie du Canada. La Reine a choisi Ottawa parce qu'elle était située sur une falaise, ce qui facilitait sa défense en cas d'attaque potentielle. La nouvelle législature permanente allait être construite sur un terrain de 25 acres sur une colline impressionnante comportant une falaise de calcaire surplombant la majestueuse rivière des Outaouais.)

Pendant la période de la Confédération, peu de bâtiments de la taille et de l'échelle des édifices du

20 **Workers Mark Noel, Guy Roussel, Dan Proulx, Tom Schierfeld and Curtis Henry lifting triangular beam on to the top of the roof supports. Courtesy of ®Roberta Gal, Public Services and Procurement Canada.**

Les travailleurs Mark Noel, Guy Roussel, Dan Proulx, Tom Schierfeld, Curtis Henry soulèvent la poutre triangulaire sur le dessus des supports du toit. Courtoisie de ®Roberta Gal, Services publics et Approvisionnement Canada.

21 **Seele Canada Inc. acknowledges Local 765 ironworkers on a great job!**

Seele Canada Inc. souhaite féliciter les travailleurs des métiers de l'acier de la section locale 765, du bon boulot!

22 **Guy Roussel and Tom Schierfeld install the glass panel supports. Courtesy of ®Roberta Gal, Public Services and Procurement Canada.**

Guy Roussel et Tom Schierfeld installent les supports pour panneau de verre. Courtoisie de ®Roberta Gal, Services publics et Approvisionnement Canada.

23 **Ironworkers posing on the day of the last beam installation. Front row: Troy Helmer, Jason Splane, Geoff Collis, Carl Leblanc Bergeron, Keith MacCosham, Mitch Hanson, Mark Noel, Denis Proulx and Curtis Henry.**

Back row: Guy Roussel, Tom Schierfeld, Dan Proulx and Tim Beauchemin. Courtesy of ®Roberta Gal, Public Services and Procurement Canada.

Les travailleurs des métiers de l'acier prennent la pose le jour de l'installation de la dernière poutre.

Rangée avant (9 personnes), de gauche à droite : Troy Helmer, Jason Splane, Geoff Collis, Carl Leblanc Bergeron, Keith MacCosham, Mitch Hanson, Mark Noel, Denis Proulx, Curtis Henry

Rangée arrière (4 personnes), de gauche à droite : Guy Roussel, Tom Schierfeld, Dan Proulx, Tim Beauchemin. Courtoisie de ®Roberta Gal, Services publics et Approvisionnement Canada.

24 **At the topping off were ironworkers, Walters employees, PCL employees, PWGSC employees and other subtrades from the West Block site. Courtesy of ®Roberta Gal, Public Services and Procurement Canada.**

La touche finale – sur la photo, on aperçoit les travailleurs des métiers de l'acier, les employés de Walters, les employés de PCL, les employés de TPSGC et les autres corps d'état secondaire sur le chantier de l'édifice Ouest. Courtoisie de ®Roberta Gal, Services publics et Approvisionnement Canada.

25 **Guy Roussel looks on from behind and Lakota Jacobs prepares for a piece to go onto the roof covering the future House of Commons space. Courtesy of ®Roberta Gal, Public Services and Procurement Canada.**

Guy Roussel regarde depuis l'arrière Lakota Jacobs qui prépare une pièce qui ira sur la couverture du toit du futur espace de la Chambre des communes. Courtoisie de ®Roberta Gal, Services publics et Approvisionnement Canada.

26 **Rideau Canal, Ottawa, Ontario.**

Canal Rideau, Ottawa, Ontario.

Parlement avaient été construits. Ainsi, un concours a été organisé en 1859 pour trouver les architectes appropriés pour les trois édifices fédéraux, notamment l'édifice du Parlement (édifice du Centre), et les deux édifices administratifs adjacents (édifice de l'Est et édifice de l'Ouest). Des premières pierres posées en 1859 à la Porte de la reine en fer érigée à l'entrée principale de la Colline parlementaire en 1877, l'aménagement et les édifices étaient finalement achevés. Ils représentent l'un des plus beaux exemples du style architectural néo-gothique dans l'empire britannique.

Afin d'aborder une préoccupation du gouvernement datant de 1912, un plan de conservation à long terme comprend la restauration de l'édifice Ouest afin de répondre aux besoins actuels et futurs des parlementaires.

Le projet de 863 millions $ a commencé en 2011, et on prévoit que l'édifice pourra être occupé pour la séance d'ouverture du Parlement à l'automne 2018.

Les principaux travaux de restauration et d'amélioration comprennent le remplacement des systèmes électriques, mécaniques et de sécurité des personnes, des fenêtres et du toit, ainsi que la modernisation des installations de technologie de l'information et multimédias. La restauration comprend également la maçonnerie extérieure, les éléments sculptés et la ferronnerie décorative, en plus du retrait de l'amiante dans le projet.

Parmi les mises à niveau importantes, on compte le renforcement sismique et structurel de l'édifice afin de lui permettre de résister aux tremblements de terre.

Après les travaux de rénovation, l'édifice accueillera la Chambre de communes temporaire, quatre salles de comité, ainsi que les bureaux du Premier ministre, des dirigeants de la Chambre et des chefs de parti. Le plan du gouvernement du Canada comprend un nouveau Centre d'accueil des visiteurs, dont la plus grande partie se trouve sous terre, soit un sous-sol excavé pour lequel 44 000 mètres cubes de fonds rocheux ont été extraits à la dynamite. C'est dans ce vide que la plus grande partie de l'acier d'armature a été installé dans le coffrage pour créer un espace entouré de murs, de planchers et de plafonds d'une épaisseur de 1,5 mètre. Avec la nouvelle Chambre, l'espace disponible augmentera de 50 %.

Christian Witt, directeur général, AGF Steel Inc. (division d'Ottawa) affirme « Notre mandat comprenait la fourniture et l'installation de 920 tonnes métriques d'acier d'armature et de grandes armatures au nouveau Centre d'accueil des visiteurs. Ces travaux nous ont permis d'avoir sept travailleurs des métiers de l'acier sur le chantier, pendant plus de 1 100 heures. Notre contremaître, Tim McDougall, a indiqué que la partie la plus mémorable du projet a été la construction de l'arche complexe de la poutre de l'entrée principale ».

Eric Lemire Enterprises, une entreprise d'Ottawa, a commencé les travaux du projet en novembre 2013. Les travaux comprenaient une grande variété de mandats, notamment l'ajustement de systèmes de mise à niveau sismique, le renforcement des planchers existants, la pose de grands treillis et l'installation de supports à fenêtre antidéflagration et de rambardes en bronze. Bien que ce type de projet comporte des défis quotidiens, les connaissances et les compétences des travailleurs des métiers de l'acier ont permis de surmonter tous les obstacles. Plus particulièrement, il a fallu installer un grand puits de lumière entre les vieilles pierres d'origine irremplaçables sans causer de dommages. Les travailleurs des métiers de l'acier ont réussi à installer un pont temporaire entre l›édifice Ouest et le Centre d›accueil des visiteurs dans un espace très restreint. De plus, ils ont soulevé le plancher existant à l'aide d'un système d'étaiement afin de stabiliser les tours nord, sud et Laurier avec un écart de hauteur maximal de seulement 1 mm.

Sylvie Lemire, directrice générale, indique « Nous quitterons ce projet en 2018 avec de nombreux souvenirs mémorables, notamment lorsque nous avons rencontré le Premier ministre Justin Trudeau et montré à Rick Mercer (célèbre comique canadien) comment installer des poutres de soutien. Mais par-dessus tout, nous aurons eu la chance et l'honneur de faire partie du patrimoine iconique du pays en prolongeant la durée de vie des édifices du Parlement qui pourront être admirés pendant un autre 150 ans ».

Au cours des quatre dernières années, 20 travailleurs des métiers de l'acier et six apprentis ont travaillé 130 000 heures et installé 3 000 tonnes d›acier.

Eric Lemire, propriétaire, affirme « Nous sommes tellement fiers de notre équipe qui a fourni un excellent service dans les délais, et qui a achevé ce projet sans aucun incident avec perte de temps.

Walters Inc., dont le siège social est situé à Hamilton, en Ontario, a reçu le contrat de l'approvisionnement, de la fabrication et de l'installation du système structurel qui allait créer un voile massif sur une cour précédemment ouverte afin de construire un espace intérieur avec éclairage naturel.

L'entreprise a conçu ce que l'on appelle les « trois colonnes » et les « branches » qui soutiennent la structure du toit suspendu. Elles sont formées de 5 000 assemblages qui, placés bout à bout, font plus de sept kilomètres. Ces assemblages sont retenus ensemble par

plus de 30 000 boulons. L'ensemble de la fabrication et de la peinture de plus de 1 000 tonnes d'acier structurel a eu lieu dans les installations d'Hamilton et de Princeton (Ontario) de Walters. Les exigences d'ingénierie en constante évolution ont nécessité des tests de force et de sécurité additionnels, notamment l'ajustement aux exigences de soudage. La fabrication et l'installation précises ont permis d'obtenir un ajustement parfait sur l'acier, sans aucun problème.

L'acier structurel apparent fuselé (AESS) et les branches en acier encastrées ont dû être fixés par des connexions boulonnées dissimulées. Deux couches de revêtement haut de gamme ont été appliquées aux branches, y compris un fini en polyuréthane, ce qui a nécessité une manutention délicate de la part des travailleurs des métiers de l'acier pendant le déchargement et le montage. Les formes, géométriques et organiques, ont engendré des problèmes de tolérance difficiles, qui ont été réglés avant l'installation. La géométrie de ce projet est assez unique, car la structure suspendue est complètement indépendante de la structure existante et entièrement supportée par des arbres et des branches. En raison de sa souplesse, l'acier était le meilleur matériau à utiliser pour une structure aussi unique.

La structure suspendue comprend de nombreux supports et poutres verticaux soutenus par les extrémités des branches, ce qui crée un cadre tridimensionnel, où les chemins de charge ne sont pas visibles. Ce type de construction est bien différent et beaucoup plus complexe que le système typique soutenu par treillis installé dans la plupart des édifices.

À l'aide d'un logiciel 3D, Walters a été capable de déterminer et de résoudre les interférences potentielles, à savoir les endroits où les luminaires en verre, les éléments mécaniques et les autres éléments entrent en conflit les uns avec les autres.

La modélisation a également révélé les chemins où les conduits peuvent remonter à travers les colonnes d'arbres et de branches, ce qui ajoute une fonction supplémentaire au-delà de la force structurelle. La hauteur générale du plancher de la cour au sommet du toit est de 23 mètres.

La principale préoccupation de Walters était de comprendre l'intention de l'architecte et de créer un plan pour la réaliser, soit de faire d'une vision une réalité. Pour ce projet, le design de style néo-gothique de l'architecte respectait l'édifice d'origine, ce qui a permis à Walters de poursuivre le design et les détails continus pour inclure les besoins en matière de construction sans compromettre le style.

Les trois colonnes et les branches ont été entièrement connectées pour tester l'ajustement avant d'être expédiées sur le chantier. Les gabarits de l'usine ont été transportés et réassemblés sur place afin de réaligner les membres structurels pour le soudage et d'assurer une bonne géométrie. « Nous devions être dans un intervalle de plus ou moins 3 mm au niveau de la pyramide pour garantir notre alignement pendant le processus de montage, et nous avons exécuté notre plan pratiquement à la perfection », déclare Marc Boucher, surintendant de chantier.

Marc ajoute « Au cours de ma carrière de 38 ans à titre de membre de la section locale 765 (Ottawa, Ontario), j'ai eu la chance de voyager et de travailler sur des projets dans le monde entier. Je n'oublierai jamais ce projet-ci, en raison de son incroyable complexité ». Il ajoute « Toute l'équipe a participé à la planification et à l'exécution. Je suis très fier des travailleurs des métiers de l'acier de la section locale 765; leur professionnalisme, leur coordination et leur motivation étaient tout simplement incroyables. Nous sommes reconnus par notre client qui est impressionné par nos gens. Notre présence continue sur ce projet grâce aux autres mandats octroyés à Walters de semaine en semaine, et nous l'apprécions! ». Parmi les mandats supplémentaires, on compte l'installation des panneaux acoustiques dans l'aire des Communes. Le gouvernement a établi des normes élevées pour le rendement acoustique, tant pour l'acoustique intérieure que pour l'intimité des discussions, tout en conservant les éléments patrimoniaux du design existant.

La séquence de construction comportait de nombreux défis. Avec les nombreux dignitaires et représentants des médias qui visitent les lieux (y compris le Premier ministre Justin Trudeau), le chantier était assez congestionné avec ses chemins d'accès étroits.

INFORMATION SUR OTTAWA

- Le nom Ottawa vient du mot algonquin *adawe* – qui signifie *commerce*.
- En hiver, le Canal Rideau devient la plus longue patinoire au monde (7,8 km).
- Près de la moitié de la population est âgée de moins de 35 ans, ce qui en fait l'une des villes parmi les plus jeunes au Canada.
- Il y a plus de 14 musées à Ottawa. Le Musée canadien de l'histoire est le musée le plus visité au Canada.

Compte tenu des enjeux de sécurité nationale pour toute la zone, le chantier était soumis à des restrictions de l'accès pour le personnel et les matériaux.

Pendant le montage, l'excavation massive pour le nouveau Centre d'accueil des visiteurs, combinée à une zone restreinte de 900 mètres carrés pour le stockage et l'assemblage, a constitué un casse-tête pour la logistique et les communications.

Dans le cadre de la planification de la construction pour ce projet, Walters a dû tout détailler pièce par pièce. Ainsi, un plan a été créé selon le modèle 3D. Chaque étape a nécessité un examen d'ingénierie et la fourniture de supports ou de renforts temporaires, le cas échéant, pour assurer la stabilité continue de la structure pendant le montage. L'attention portée à la planification a permis d'achever ce projet de façon rapide, efficace et sécuritaire.

« Nous avons dû relever des défis uniques, notamment le levage des sections d'acier achevées pesant jusqu'à 8 200 kilogrammes à un rayon important par rapport au centre de rotation des grues. Nous avons exécuté une étude de grue complète pour les modèles Terex CTL 630 et Peiner SK315. Certains de nos plans de levage d'ingénieur ont été réalisés à 100 % de la capacité. Tout devait être parfait. L'équipe a exécuté notre plan de façon impeccable », affirme Bryce Mesley, gestionnaire régional de la construction.

Pour ce projet, le Groupe Walters a réuni différents individus expérimentés pour surmonter tous les obstacles. Cette équipe complète comprenait des ingénieurs, des dessinateurs, des soudeurs, des appareilleurs et des travailleurs des métiers de l'acier pour couvrir tous les aspects de ce grand projet.

Le travail d'équipe ayant mené à la réussite de ce projet ne comprenait pas seulement l'organisation de Walters; l'entreprise souhaite remercier Services publics et Approvisionnement Canada, son client, PCL Constructors Canada, les architectes d'ARCOP/FGM, Engineer Ojdrovic Engineering et l'excellent entrepreneur Seele Canada, ainsi que les nombreux autres intervenants de ce grand projet.

PROPRIÉTAIRE	Services publics et Approvisionnement Canada
ENTREPRENEUR GÉNÉRAL	PCL Constructors Canada
ENTREPRENEURS	Walters Inc. Eric Lemire Enterprises Mometal Structures Inc. AGF Steel Inc. (division d'Ottawa) ABF Reinforcing Steel-Ontario
ARCHITECTE	ARCOP/FGM
INGÉNIEUR	Ojdrovic Engineering
ENTREPRENEUR DU VITRAGE	Seele Canada 2 485 m² de verre courbé à triple couche 2 554 m² de vitrage pour lumière du jour sous le toit 871 m² de jalousies amovibles 1 813 m² de plancher grillagé ouvert pour la passerelle de service 925 m² de panneaux acoustiques

CANADA 150

The year 2017 marks a significant moment in the history of Canada. 150 years ago, Quebec, Ontario, New Brunswick and Nova Scotia – united to create the Canadian Confederation, called the Dominion of Canada. The British North America Act became law July 1, 1867, allowing these British colonies to be recognized as an independent nation. In the years following, the other provinces and territories joined the Dominion, making today's Canada a mari usque ad mare ("from sea to sea").

The 150th anniversary of confederation gives Canadians the opportunity to get involved in their communities and to celebrate together our shared values, our achievements, our majestic environment and our country's place in the world. The major themes of the 150th anniversary of confederation are diversity and inclusion, reconciliation with indigenous peoples, environment and youth.

L'année 2017 marque un moment important dans l'histoire du Canada. Il y a 150 ans, le Québec, l'Ontario, le Nouveau-Brunswick et la Nouvelle-Écosse s'unissaient pour former la *Confédération canadienne*, appelée *Dominion du Canada*. En vertu de *l'Acte de l'Amérique du Nord britannique* adopté en tant que loi le 1er juillet 1867, ces colonies britanniques ont été reconnues à titre de nation indépendante. Dans les années qui ont suivi, les autres provinces et territoires ont rejoint le Dominion, pour faire du Canada un pays s'étendant *a mari usque ad mare* (« d'un océan à l'autre »).

Le 150e anniversaire de la Confédération permet aux Canadiens de participer dans leur collectivité et nous donne la chance de célébrer tous ensemble nos valeurs communes, nos réalisations, notre environnement majestueux et la place de notre pays dans le monde. Les principaux thèmes du 150e anniversaire de la Confédération sont la diversité et l'inclusion, la réconciliation avec les peuples autochtones, l'environnement et la jeunesse.

Canada's Building Trades Monument

Jacques Dubois, president, District Council of Eastern Canada; Ross Templeton, political and legislative representative, IW; Eric Dean, general president, IW; Prime Minister Justin Trudeau; Darrell LaBoucan, GVP/Canadian director, IW and president, District Council of Western Canada; Kevin Bryenton, GVP, IW and president, District Council of Ontario, attend the unveiling of the Canadian Building Trades Monument.

Jacques Dubois, président, Conseil de district de l'Est du Canada; Ross Templeton, directeur politique et législatif, Internationale des travailleurs des métiers de l'acier, président général Dean, Internationale des travailleurs des métiers de l'acier, le premier ministre Justin Trudeau; Darrell LaBoucan, GVP/directeur canadien, Internationale des travailleurs des métiers de l'acier et président, Conseil de district de l'Ouest du Canada; Kevin Bryenton, GVP, Internationale des travailleurs des métiers de l'acier et président du Conseil de district de l'Ontario, ont assisté au dévoilement du Monument canadien des métiers de la construction.

Iron Workers International (IW) officers and local union leadership met in Ottawa for the unveiling of Canada's Building Trades Monument, during the legislative conference. The monument, which is a gift to all Canadians from the building and construction trades, celebrates, honours and represents all the Canadian building tradesmen and tradeswomen, from the past, present and future, who construct the world around us. The monument was unveiled in 2017 in recognition of Canada's 150th birthday. The Canadian Building Trades Monument is located just east of Parliament Hill, in Major's Hill Park, near the Parliament grounds in Ottawa, the nation's capital.

For more information, please visit canadianbuildingtradesmonument.ca/overview/.

Monument canadien des métiers de la construction

Les agents de l'Internationale des travailleurs des métiers de l'acier et des dirigeants de section locale se sont réunis à Ottawa pour le dévoilement du Monument canadien des métiers de la construction pendant la conférence législative. Ce monument, qui est un cadeau à tous les Canadiens et Canadiennes des métiers de la construction, célèbre, honore et représente tous les travailleurs et toutes les travailleuses de la construction, du passé, du présent et de l'avenir, qui ont construit le monde qui nous entoure. Ce monument a été dévoilé en 2017 dans le cadre du 150e anniversaire du Canada.

Le Monument canadien des métiers de la construction est situé tout juste à l'est de la Colline Parlementaire, dans le parc Major's Hill, à proximité du Parlement d'Ottawa, la capitale nationale.

Pour obtenir de plus amples renseignements consultez https://monumentdesmetiersdelaconstruction.ca/apercu/.

CANADIAN DIRECTOR'S REPORT

Darrell LaBoucan

Highlights of 2017

It's that special time of year again when ironworkers and their families look forward to the opportunity to enjoy the spirit of the holiday season. As in the past, I have asked our district council presidents and our Canadian international staff to share their year in review, in respect to their areas of responsibilities, with you and your families, which you will find within this edition.

The Iron Workers International's (IW) monthly magazine December issue is your opportunity to highlight local union and contractor projects and events over the past year. This year, we are identifying the individuals, contractors and locals on their respective articles and we thank you all who took the time to submit articles. WELL DONE!

Snap Shot

Field hours covering all sectors worked in 2016 and 2017:

2016	2017 (Pro-rated to end of Year)
DC of Eastern Canada = **6,654,585**	DC of Eastern Canada = **3,541,903**
DC of Ontario = **6,475,772**	DC of Ontario = **7,052,957**
DC of Western Canada = **7,124,739**	DC of Western Canada = **5,154,250**

Shop hours were not available.

It is no surprise total work hours are down significantly, with the exception of Ontario, as we continue to experience negative market shifts in natural resources, which has all but stalled new construction mega-project investor confidence in most regions of the country.

With that said, our contractors and locals have now focused their attention on renewable energy, liquid natural gas, commercial, institutional, infrastructure and maintenance projects. We are building inroads with major nonunion metal building contractors through an initiative generated through the general president's office to regain and increase market share that I will speak to later in my report.

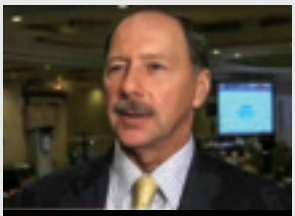
Highlights of 2017

In my role as Canadian director, it's important to bring our contractors, union leadership, training coordinators and instructors, safety coordinators and organizing personnel together, as one, to share knowledge and strategize new opportunities that will increase our members' competitive edge and our contractors' bottom line. We schedule industry subject experts and owner group representatives who speak on industry and political trends. There are Q&A periods after each presentation where we continue to ask how the IW is viewed by owner groups and what can we do better that will ensure our place at the owners' table.

The Canadian department called on our three district council presidents and their administrative staff to assist in organizing the event, which has grown and is now referred to as the Ironworkers Tri-Council & RAB Labour/Management Conference.

As in our previous conferences, panel sessions are specifically dedicated to training and organizing. The

IW officers, union leadership and delegates, contractors, industry experts and guests from across Canada attend and engage in the Tri-Council and RAB Labour/Management Conference in Niagara-on-the-Lake, Ontario. // Les agents de l'Internationale des travailleurs des métiers de l'acier, les dirigeants syndicaux, ainsi que les délégués, les entrepreneurs, les experts de l'industrie et des invités de l'ensemble du Canada ont participé à la Conférence des trois conseils et des CCR des travailleurs des métiers de l'acier travailleurs/propriétaires de Niagara-on-the-Lake, en Ontario.



IW General Secretary Ron Piksa attends the conference. // Ron Piksa, secrétaire général de l'Internationale des travailleurs des métiers de l'acier, participe à la conférence.

Kevin Hilton, CEO, Ironworker Management Progressive Action Cooperative Trust (IMPACT). // Kevin Hilton, président-directeur, Ironworker Management Progressive Action Cooperative Trust (IMPACT).

Ed Whalen, president/CEO, Canadian Institute of Steel Construction (CISC). // Ed Whalen, président/PDG, Institut canadien de la construction en acier (ICCA).

panel participants are made up of a talented group of apprenticeship coordinators, instructors, IW staff, district council and local union organizers respectively. The panels share each other's knowledge and experiences and transform them into strategies we can use to increase our members' competitive advantage from coast to coast.

Our IW general officers and department heads closed out this year's conference with detailed reports related to the organizations operations including SAFETY, FINANCES, TRAINING, ORGANIZING, SHOP and FIELD membership stats.

On behalf of host District Council of Ontario President Kevin Bryenton, District Council of Eastern

Paul Harrington, project manager for the Lower Churchill Project, Nalcor Energy. // Paul Harrington, gestionnaire de projet pour le projet du Bas-Churchill, Nalcor Energy.

Brett McKenzie, executive director, General Presidents' Maintenance Committee for Canada/National Maintenance Council for Canada. // Brett McKenzie, directeur exécutif, General Presidents' Maintenance Committee for Canada/National Maintenance Council for Canada.

Canada President Jacques Dubois, host Local 736 (Hamilton, Ontario) Business Manager James Hannah and President Steve Pratt, we convey our sincere appreciation and thanks to all who made this year's event, and I quote, "the best ever!"

Please check these links for video clips of the event:

- youtube.com/watch?v=AtJI4IkY3EY&feature=youtu.be
- youtube.com/watch?v=Tyv87kF9-UQ&feature=youtu.be

Political Action

Having politically motivated members creates jobs! This is a call to action for all members and their families to stand up and be counted in your next federal or provincial elections; vote for the political party that is tuned in with the best interests of the IW and their families in mind, be it job creation or the elimination of anti-union labour legislation.

IW Political and Legislative Representative Ross Templeton will be working with the district councils in the near future to enhance our members' awareness to the positive influence political lobbying can have in our industry.

Metal Buildings Opportunities

The International Metal Building Committee has created opportunities to strengthen markets where they currently exist and where they don't exist. Each district council was tasked with implementing a competitive metal building agreement that would give us the opportunity to create new work opportunities for our members.

I'm happy to report we have locals who are now partnering with their district councils in establishing a business plan I believe will strengthen our

Shop Local 838 (Regina, Saskatchewan) members: back row, Dan Wallace, Wayne Cooper, Gord Lidgett, Gary Holobush, Brad Jollimore, Olek Stalnenko, Don Trost, IW General Organizer Eric Bohne, Francisco Enriquez and Rocky Charles and front row, IW Shop Department Executive Director John Bielak, GVP and Canadian Director Darrell LaBoucan, Ogie Chang, Braden Digness, Robert Luepke and Samson Dela Cruz. // Membres de la section locale d'usine 838 (Regina, Saskatchewan) Rangée arrière : G à D - Dan Wallace, Wayne Cooper, Gord Lidgett, Gary Holobush, Brad Jollimore, Olek Stalnenko, Don Trost, Eric Bohne, organisateur général, section d'usine, International des travailleurs des métiers de l'acier, Francisco Enriquez et Rocky Charles; Rangée avant : G à D - John Bielak, directeur exécutif, section d'usine, International des travailleurs des métiers de l'acier, Darrell LaBoucan, GVP/directeur canadien, International des travailleurs des métiers de l'acier, Ogie Chang, Braden Digness, Robert Luepke et Samson Dela Cruz.

position in the metal building industry moving forward. Our metal building systems erector training is well into the planning stages and will empower us to attract metal building companies and metal building ironworkers into our unions.

Better People. Better Built.

Thank you to our labour/management branding committees, both past and present, who with the guidance of Heuristic Branding, have launched a second media campaign. The campaign is again intended to showcase our core values that our professional ironworkers and their contractors bring to owner groups and the general public everyday while instilling a strong ironworker pride along the way.

Check it out at ironworkers.ca.

Don't miss the new ironworkers' television episode of "Hanging Iron:"

- globalnews.ca/video/3651783/new-show-explores-walterdale-bridge-construction
- youtu.be/gWVdp4W3314
- anaid.com/hanging-iron/

Every year one of our locals sticks out from the pack. This year, I would like to recognize the members of Shop Local 838 (Regina, Saskatchewan) for their true grit as they move together in the process of rebuilding their local from the bottom up. Congratulations! Thank you for your engaging in this great cause.

Goodbyes and Hellos

We would like to recognize and thank past Presidents Cecil Damery, Local 97 (Vancouver, British Columbia) and Armand Sonier, Local 842 (Saint John, New Brunswick) for their many years of dedicated service to their respective memberships and the ironworking industry. Congratulations and best wishes in a safe, healthy and happy retirement with family and friends.

In closing, I wish to convey my sincere thanks to our Canadian staff, Jacques Dubois, Kevin Bryenton, Eric Bohne, Bert Royer, James Rodney, Jeff Norris, Steve Neveu, Martin Viger, Sandy Lastiwka and to all the members for your ongoing support to the organization.

Thank you to the business managers, agents, organizers, training coordinators, instructors, local union administration and service providers. We thank you for your hard work and what you do for the members and the organization every day.

No one builds this country as safely, efficiently and skillfully as the ironworkers do! Better People. Better Built. Keep up the great work!

On behalf of the Canadian office and my family, we wish you a very happy holiday season, a merry Christmas and a safe new year.

Edmonton's Walterdale Bridge Pedestrian Walkway

Supreme Steel (Edmonton) teams up with Local 720 (Edmonton, Alberta) and erects a pedestrian walkway for the new Walterdale Bridge.

RAPPORT DU **DIRECTEUR CANADIEN**

Darrell LaBoucan

Faits saillants de 2017

Voici venu ce temps de l'année bien spécial où les travailleurs des métiers de l'acier et leur famille s'apprêtent à célébrer le temps des Fêtes.

Comme dans le passé, pour cette édition, j'ai demandé à nos présidents de conseil de district et à notre personnel canadien à l'international de partager avec vous et votre famille leur revue de l'année dans leur domaine de responsabilité.

L'édition de décembre du magazine mensuel Ironworkers International vous donne la possibilité de présenter les projets et les événements de votre syndicat et des entrepreneurs locaux.

Cette année, nous identifions les personnes, les entrepreneurs et les sections locales sur leurs articles respectifs. Nous tenons à remercier tous ceux qui ont pris le temps de soumettre des articles. BIEN JOUÉ!

Aperçu

Heures sur le terrain couvrant tous les secteurs de travail en 2016 et 2017.

2016	2017 (au prorata de la fin de l'année)
CD de l'Est du Canada = 6 654 585	CD de l'Est du Canada = 3 541 903
CD de l'Ontario = 6 475 772	CD de l'Ontario = 7 052 957
CD de l'Ouest du Canada = 7 124 739	CD de l'Ouest du Canada = 5 154 250

Les heures d'usine n'étaient pas disponibles.

Sans surprise, le total des heures travaillées affiche une baisse importante, à l'exception de l'Ontario, tandis que nous continuons d'observer une évolution négative des marchés dans le secteur des ressources naturelles qui a refroidi la confiance des investisseurs dans les mégaprojets de construction dans la plupart des régions du pays.

Ceci étant dit, nos entrepreneurs et nos sections locales concentrent désormais leur attention sur le secteur de l'énergie renouvelable, le gaz naturel liquide, les projets commerciaux et institutionnels, et les projets d'infrastructure et de maintenance.

Nous établissons des liens avec les principaux entrepreneurs non syndiqués du secteur des bâtiments en métal grâce à une initiative générée par le bureau du président général, afin de regagner et d'augmenter notre part du marché dont je parlerai plus tard dans mon rapport.

Faits saillants de 2017

Dans le cadre de mon rôle à titre de directeur canadien, il est important de rassembler nos entrepreneurs, nos coordonnateurs/instructeurs de la formation, nos coordonnateurs de la sécurité et le personnel de l'organisation pour partager nos connaissances et réfléchir aux nouvelles possibilités qui offriront à nos membres un avantage concurrentiel et qui donneront des résultats pour nos entrepreneurs.

Nous invitons des experts et des représentants des groupes de propriétaires qui parlent des tendances de l'industrie et des tendances politiques. Nous organisons des périodes de questions et réponses après chaque présentation lors desquelles nous continuons à discuter de la perception qu'ont les groupes de propriétaires des travailleurs des métiers de l'acier, et de ce que nous pouvons améliorer pour garantir notre place à la table des propriétaires.

Le département canadien invite les présidents des trois conseils de district et leur personnel administratif à contribuer à l'organisation de l'événement, qui s'est développé et qui est maintenant appel la Conférence des trois conseils et des CCR des travailleurs des métiers de l'acier travailleurs/propriétaires (Ironworkers Tri-Council & RAB Labour/Management Conference).

Comme pour les conférences précédentes, des séances de groupes d'experts sont expressément consacrées à la formation et à l'organisation. Les talentueux participants aux groupes d'experts comprenaient des coordonnateurs responsables de

l'apprentissage, des instructeurs et des organisateurs syndicaux de l'Internationale, des conseils de district et des sections locales. Le groupe d'experts a permis d'échanger des connaissances et des expériences, et de les transformer en stratégie que nous pouvons utiliser pour accroître l'avantage concurrentiel de nos membres d'un océan à l'autre.

Nos officiers généraux et responsables régionaux de l'Association internationale ont conclu la conférence de cette année avec des rapports détaillés sur les activités des organisations, y compris des statistiques sur la SÉCURITÉ, LES FINANCES, LA FORMATION, L'ORGANISATION, LE TRAVAIL EN USINE ET LE TRAVAIL SUR LE TERRAIN de nos membres.

Au nom de Kevin Bryenton, président du Conseil de district de l'Ontario, de Jacques Dubois du Conseil de district de l'Est du Canada, et du gérant d'affaires James Hannah et du président Steve Pratt de la Section locale 736 hôte (Hamilton, Ontario), nous souhaitons remercier chaleureusement tous ceux qui ont fait de cet événement le meilleur événement à ce jour!

Veuillez consulter ces liens pour voir des vidéos de l'événement.

- https://www.youtube.com/watch?v=AtJI4IkY3EY&feature=youtu.be
- https://www.youtube.com/watch?v=Tyv87kF9-UQ&feature=youtu.be

Action politique

Le fait d'avoir des membres politisés crée des emplois! Ceci est un appel à l'action pour tous les membres et leur famille à se lever et à se faire entendre lors des prochaines élections fédérales ou provinciales dans leur région; votez pour le parti qui est le mieux aligné sur les intérêts des travailleurs des métiers de l'acier et de leur famille, que ce soit la création d'emploi ou l'élimination des lois antisyndicales.

Ross Templeton, directeur politique et législatif de l'Internationale des travailleurs des métiers de l'acier, travaillera prochainement avec les conseils de district pour sensibiliser les membres à l'influence positive que le lobbying politique peut avoir sur notre industrie.

Occasions dans les bâtiments métalliques

L'International Metal Building Committee (Comité des bâtiments métalliques de l'Internationale) a créé des occasions de renforcer les marchés où il existe actuellement et où il n'existe pas.

Chaque conseil de district a reçu le mandat de mettre en œuvre une entente de bâtiment métallique concurrentiel qui nous donnerait la possibilité de créer de nouvelles occasions de travail pour nos membres.

Je suis heureux de signaler que nous avons des sections locales qui font maintenant équipe avec leur conseil de district pour établir un plan d'affaires qui, selon moi, renforcera notre position au sein de l'industrie du bâtiment métallique à l'avenir.

Notre formation en montage de systèmes de bâtiment métallique est bien avancée dans les étapes de planification et elle nous permettra d'attirer des entreprises de bâtiment métallique et des travailleurs des métiers de l'acier du secteur du bâtiment métallique dans nos syndicats.

De meilleurs gens pour une meilleure construction

Merci à nos comités de promotion nationale travailleurs/dirigeants, actuels et passés qui, sous la direction de Heuristic Branding, ont lancé une deuxième campagne dans les médias. La campagne vise encore une fois à présenter les valeurs que nos « travailleurs professionnels des métiers de l'acier et leurs entrepreneurs » offrent chaque jour aux groupes de propriétaires et au public, tout en soulignant la grande fierté des travailleurs des métiers de l'acier.

Pour en savoir plus, consultez le site Web ironworkers.ca.

Ne manquez pas le nouvel épisode de « Hanging Iron » sur les travailleurs des métiers de l'acier.

- http://globalnews.ca/video/3651783/new-show-explores-walterdale-bridge-construction
- https://youtu.be/gWVdp4W3314
- www.anaid.com/hanging-iron/

Chaque année, l'une de nos sections locales se démarque. Cette année, je souhaite souligner la détermination des membres de la section locale-usine 838 de Saskatoon en Saskatchewan alors qu'ils reconstruisent entièrement leur section locale. Félicitations! Merci de participer à cette grande cause.

Bienvenue et au revoir

Nous souhaitons souligner le travail et remercier les anciens présidents Cecil Damery, section locale 97 (Vancouver, Colombie-Britannique) et Armand Sonier, section locale 842 (Saint-Jean, Nouveau-Brunswick) pour leurs nombreuses années de service dévoué à leurs membres et à l'industrie des travailleurs des métiers de l'acier. Félicitations! Nous vous souhaitons une retraite sécuritaire et heureuse en bonne santé auprès de votre famille et de vos amis.

Finalement, je souhaite remercier sincèrement notre personnel canadien, Jacques Dubois, Kevin Bryenton, Eric Bohne, Bert Royer, James Rodney, Jeff Norris, Steve Neveu, Martin Viger et Sandy Lastiwka, et tous les membres pour leur soutien continu à l'organisation.

Merci aux gérants d'affaires, aux agents, aux organisateurs, aux coordonnateurs de la formation, aux instructeurs, aux administrateurs des sections locales et aux fournisseurs de services. Merci pour votre excellent travail et pour ce que vous faites chaque jour pour les membres et l'organisation.

Personne ne construit ce pays de façon aussi sécuritaire, efficace et compétente que les travailleurs des métiers de l'acier! De meilleurs gens pour une meilleure construction! Continuez votre excellent travail!

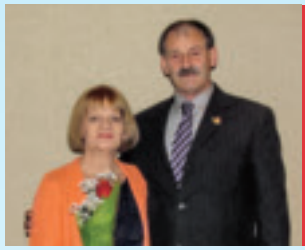
Au nom du bureau canadien et de ma famille, je vous souhaite un joyeux temps des Fêtes, un joyeux Noël et nouvelle Année dans la joie et la sécurité.

CONGRATULATIONS IRONWORKERS!

Union Pride – Ironworker Pride

Norman MacLellan of Local 752 (Halifax, Nova Scotia) has been recognized by Iron Workers International (IW), as a 50-year member in good standing. MacLellan is most proud of working safely and never being involved with a lost-time incident throughout his career. He has served as a Local 752 executive board member and a delegate to the District Council of Eastern Canada. In June, a presentation was made to MacLellan by Local 752 President Neil Horne at a general meeting. Congratulations Norm!

Wishing them well in their well-deserved retirement!



Past President Armand Sonier, Local 842 (Saint John, New Brunswick) and wife Edith.

General Vice President & Canadian Director Darrell LaBoucan with past President Cecil Damery, Local 97 (Vancouver, British Columbia).

The Evolution of Safety

In his editorial titled, We Must Never Be Done with Safety, General President Eric Dean urged, "I am asking all members to be extra vigilant in each day's tasks to look and plan for every possible hazard and to ensure these tragedies come to an end." (August 2017 edition of *The Ironworker*)

A History Lesson Repeated

The focus of attention on safety should be a top priority; our conscience to care for humankind, a basic fundamental of the labour movement dating back to our early beginnings.

Since 1896, each of our 13 general presidents have experienced a shared history showered with triumph and tragedy. Our members and contractors have progressed through history constructing some of the most celebrated structures known to mankind. But these developments have come with a price; debilitating injuries and human loss. Families are changed forever. 2018 can be the year where we change history, together.

The Management Dilemma

Beyond actually *caring* about people, there exists a business case for contractors to invest in their safety management system. The budget associated to safety can be enormous. If everything proceeds within a plan, and no lost-time incidents occur, it is business as usual. The difficulty for contractors is predicting if or when lost-time, modified work, disabling injury or fatalities happen. The monetary costs resulting from workplace injuries and illnesses are not always well-known by our members. Studies have shown indirect costs can be four to five times the total of the direct cost of incidents causing injury or death. Total overall costs include wages, medical treatment, lost productivity, administrative time spent by supervisors, safety personal and clerical workers, training costs, damage to material, machinery and property, fines, legal action or higher insurance premiums. The indirect costs are seldom insured, and therefore, not recoverable. The contractor may even suffer the loss of their company.

Don Melvin, president/business agent, Local 765 (Ottawa, Ontario) and Jeff Norris, Canadian safety coordinator, atop the atrium roof structure of the West Block Rehabilitation project at Parliament Hill in Ottawa, Ontario. // Don Melvin, président/agent d'affaires, section locale 765 (Ottawa, Ontario) et Jeff Norris, coordonnateur de la sécurité canadienne sur la structure du toit de l'atrium (projet de réhabilitation de l'édifice de l'Ouest) sur la Colline Parlementaire à Ottawa, en Ontario.

The Evolution of Safety

The science of safety has evolved to a high level of sophistication. Contractors continually find effective ways to promote safe operations to ensure they develop an environment where all workers feel responsible for safety. This becomes evident when people consider the impact on safety in everything they do—reporting all hazards, errors, threats and support the identification and management of all their associated risks.

In addition, management must create an environment in which personnel are aware of hazards, are given suffi-

cient systems to protect themselves and are assured protection when they divulge safety information through the safety reporting system. An effective safety culture serves as a method to synchronize diverse national and professional cultures within the context of the organization; a safety attitude that eliminates the potential through risk assessment and controls.

Engineering Excellence

Engineering has existed since the primeval times as humans devised the fundamental inventions known as simple machines; the lever, wheel and axle, pulley, inclined plane, wedge and screw. All of these simple machines are utilized in the trade to perform the work today.

The improvement in safety is contributed to a combination of several factors, although the introduction of safe work practices stands out as a major development.

Today, ironworkers have the opportunity to participate in safety related planning, implementation, evaluation and corrective/preventive actions geared toward addressing hazards in the workplace. This should revert back to a widely accepted concept known as the Hierarchy of Control. Essentially our members have the expertise to actively be part of creating generally accepted methods to perform tasks correctly, most effectively and safely.

Human Factors

While methodology and technology have helped drive improvements in the construction industry's safety record, great strides in safety management systems and insights into human factors have also contributed significantly.

Accidents are a chain of events that almost always involve an element of human error.

However, the safety culture in the industry has changed significantly during my career. Training has become a more controlled and professional environment with the development of recurrent training. The utilization and technological enhancement of simulators has been one of the biggest changes I have witnessed as of late.

Dean Murphy, VP of corporate safety, Dynamic Structures/Dynamic Attractions Ltd. and Empire Industries Ltd., alongside Tom O'Donnell, FST/BM Local 712 (Vancouver, British Columbia) standing in front of a four-story high component for a massive amusement ride to be installed in the Middle East. // Dean Murphy, VP sécurité de l'entreprise, Dynamic Structures/Dynamic Attractions Ltd. et Empire Industries Ltd. aux côtés de Tom O'Donnell, FST/BM section locale 712 (Vancouver, Colombie-Britannique) devant une composante de 4 étages pour un immense manège qui sera installé au Moyen-Orient.

Recurrent training, in which journeypersons and apprentices refresh their technical skills and prepare for specific equipment and tasks, was initially introduced in the aviation industry and is now making a positive impact in all sectors of construction.

Safety management systems have radically changed the view of the human factor in the industry and are now making an impact in the world of construction.

Another important safety development in recent decades has been in the area of resource manage-

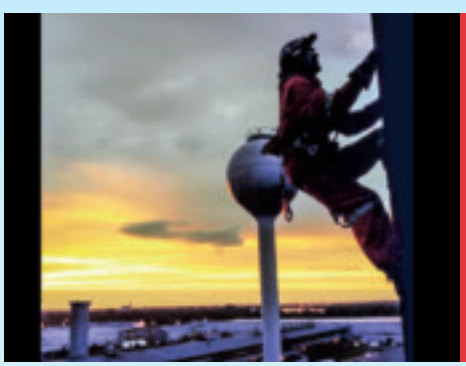
ment and the monitoring of data, which are aimed at reducing the risk of human error. A myriad of metrics are now widely used to identify safety trends that can be addressed by training, as well as to investigate causes of accidents.

Ironworkers generally feel that utilizing workforce feedback is one of the most effective means to improve safety planning. Increasing use of personal protective equipment (PPE) and adopting new technologies are also examples of suggested solutions for improving safety. Ironworkers understand the conditions in which they work create a risk environment. Our perspectives on how to improve safety are consistent with contemporary safety management practices. Additionally, increased focus should be placed on worker behaviour issues related to worker misjudgment, poor risk management and mistakes.

The time has come for us to become totally immersed in a culture where incidents will not occur. Whether you are just starting in the business or a 30-year member, the collective responsibility of the professional ironworker is to strive to develop, reinforce and learn new skills, knowledge and competencies.

Merry Christmas to you and your loved ones. Enjoy your countdown to 2018.

The Keeyask Hydro Dam project will be a source of renewable energy providing an average of 4,400 gigawatt hours of electricity each year.



Local 728 member Brother Ryan Webster climbing a column at the Gerdau MRM Steel Inc. shutdown in Selkirk, Manitoba, located 35 kilometers (22 miles) northeast of Winnipeg. More than 40 structural ironworkers were on the three-week shutdown for regularly scheduled maintenance, replacement of equipment and major repairs including replacing the roof.

Local 728 at the Keeyask Hydro Dam Project

The $9 billion-plus Keeyask Hydro Dam project, located 725 kilometres northeast of Winnipeg in remote northern Manitoba, will be a source of renewable energy providing approximately 695 megawatts of capacity and producing an average of 4,400 gigawatt hours of electricity each year. The renewable hydroelectric energy produced will be integrated into Manitoba Hydro's electric system for use in Manitoba and for export. Local 728 (Winnipeg, Manitoba) is currently employing 400 structural and reinforcing ironworkers on the project, which is expected to be completed in three to five years, depending on the very inclement weather conditions.

L'évolution de la sécurité

Dans son éditorial intitulé « We Must Never Be Done with Safety » (La sécurité, ce n'est jamais fini), le président général Eric Dean affirme : « Je vous demande d'être très vigilant dans le cadre de l'examen et de la planification de vos tâches quotidiennes, afin de prévoir tous les dangers potentiels pour faire en sorte que cessent les tragédies ». (Édition d'août 2017 du magazine *The Ironworker*)

Une leçon qui se répète

Notre principale priorité doit être la sécurité. Cette conscience de nous préoccuper du sort des autres est un fondement du mouvement ouvrier qui remonte à nos origines.

Depuis 1896, chacun des treize présidents généraux a vécu sa part de triomphes et de tragédies. Nos membres et nos entrepreneurs ont fait des progrès au fil du temps et ils ont construit certaines des structures les plus reconnues de l'histoire humaine. Mais ces avancées ont un prix : des blessures invalidantes et des pertes humaines. Des familles ont changé pour toujours. 2018 peut être une année où nous modifions le cours de l'histoire, ensemble.

Le dilemme de la direction

Au-delà de se *préoccuper* des gens, il doit y avoir une analyse de rentabilisation pour que les entrepreneurs investissent dans leur système de gestion de la sécurité. Le budget associé à la sécurité peut être énorme. Si tout va selon un plan, et qu'aucun incident avec perte de temps ne survient, tout est normal. Pour les entrepreneurs, la difficulté consiste à prédire si ou quand les pertes de temps, les travaux modifiés, les blessures invalidantes ou les décès peuvent survenir. Les coûts découlant des blessures et des maladies en milieu de travail ne sont pas toujours bien connus par nos membres. Des études ont démontré que les coûts indirects peuvent être 4 à 5 fois plus élevés que le total des coûts directs des incidents entraînant une blessure ou la mort. Le total des coûts globaux comprend les salaires, le traitement médical, la perte de productivité, le temps consacré à l'administration par les superviseurs, le personnel de sécurité et le personnel de bureau, les coûts de formation, les dommages au matériel, à la machinerie et à la propriété, les amendes, les actions en justice ou les primes d'assurance plus élevées. Les coûts indirects sont rarement assurés et, par conséquent, ils ne peuvent pas être recouvrés. L'entrepreneur peut même perdre son entreprise.

L'évolution de la sécurité

La « science de la sécurité » a évolué à un niveau élevé de sophistication.

Les entrepreneurs trouvent continuellement des façons de promouvoir les opérations de sécurité pour s'assurer de créer un environnement où tous les travailleurs se sentent responsables de la sécurité. Cela devient évident lorsque les gens tiennent compte de l'impact de la sécurité dans tout ce qu'ils font : signaler les dangers, les erreurs et les menaces, et appuyer l'identification et la gestion de tous leurs risques connexes.

De plus, la direction doit créer un environnement dans lequel les membres du personnel sont conscients des dangers, reçoivent des systèmes suffisants pour se protéger, et sont protégés lorsqu'ils divulguent l'information sur la sécurité par l'entremise du système de comptes-rendus de sécurité. Une culture de sécurité efficace est un moyen de synchroniser les différentes cultures nationales et professionnelles dans une organisation; une attitude sécuritaire qui élimine les risques potentiels grâce à des évaluations et à des mesures de contrôle des risques.

Excellence en ingénierie

L'ingénierie existe depuis la préhistoire, époque où les humains ont conçu des inventions fondamentales appelées « machines simples », comme le levier, la roue, la poulie, le plan incliné, le coin et la vis. Toutes ces machines simples sont encore utilisées dans notre métier aujourd'hui.

Les améliorations de la sécurité sont dues à une combinaison de nombreux facteurs, bien que l'introduction des « pratiques de travail sécuritaires » se démarque comme une avancée importante.

Aujourd'hui, les travailleurs des métiers de l'acier ont la possibilité de participer à la planification, à la mise en place, à l'évaluation et aux mesures correctives/préventives liées à la sécurité visant à éliminer les dangers dans le milieu de travail. En fait, cela renvoie au concept largement accepté appelé « hiérarchie des mesures de contrôle ». Essentiellement, nos membres ont l'expertise pour jouer un rôle actif dans la création de méthodes généralement acceptées pour exécuter les tâches correctement, de la façon la plus sécuritaire et efficace possible.

Facteurs humains

Bien que la méthodologie et la technologie aient contribué à une amélioration du dossier de sécurité de l'industrie de la construction, de grands progrès dans les systèmes de gestion de la sécurité et des facteurs humains y ont également contribué de façon importante.

Les accidents sont une chaîne d'événements qui comporte presque toujours un élément d'erreur humaine.

Toutefois, la culture de sécurité au sein de l'industrie a changé de façon importante pendant ma carrière. La formation est devenue un environnement plus contrôlé et plus professionnel grâce à la création de la formation récurrente. L'utilisation des simulateurs et les innovations technologiques apportées à ceux-ci ont été l'un des changements les plus importants dont j'ai été témoin jusqu'ici.

La formation récurrente, lors de laquelle les compagnons et les apprentis rafraîchissent leurs compétences techniques et se préparent à utiliser un équipement particulier et à exécuter des tâches particulières, a d'abord été introduite dans l'industrie de l'aviation, et elle a désormais des répercussions positives sur tous les secteurs de la construction.

« Les systèmes de gestion de la sécurité ont changé de façon radicale la perception du facteur humain dans l'industrie, et ils ont maintenant un impact sur le monde de la construction ».

Au cours des dernières décennies, une autre avancée importante en matière de sécurité a eu lieu dans le domaine de la gestion des ressources et du suivi des données, qui visent à diminuer le risque d'erreur humaine. Une multitude de mesures sont maintenant largement utilisées pour identifier les tendances en matière de sécurité qui peuvent être abordées par la formation, et pour mener des enquêtes sur les causes des accidents.

Les travailleurs des métiers de l'acier ont compris que l'utilisation des commentaires des travailleurs est l'une des façons les plus efficaces d'améliorer la planification de la sécurité. Une utilisation accrue de l'équipement de protection personnelle (EPP) et l'adoption de nouvelles technologies sont également des exemples de solutions proposées pour accroître la sécurité. Finalement, l'étude révèle qu'un pourcentage élevé des travailleurs des métiers de l'acier comprend que les conditions dans lesquelles ils travaillent créent un environnement risqué. Les constatations de l'étude révèlent que les points de vue des travailleurs des métiers de l'acier sur les façons d'accroître la sécurité sont cohérents avec les pratiques de gestion de la sécurité contemporaines. De plus, il faut se concentrer davantage sur les questions de comportement des travailleurs en lien avec le mauvais jugement du travail, une mauvaise gestion des risques et les erreurs.

Il est maintenant temps pour nous de favoriser une culture où les incidents n'ont pas lieu. Peu importe si vous venez tout juste de lancer une entreprise ou si vous êtes membre depuis 30 ans, la responsabilité collective des travailleurs professionnels des métiers de l'acier est de développer, de renforcer et d'apprendre de nouvelles compétences, connaissances et aptitudes.

Joyeux Noël à vous et à vos proches. On se revoit en 2018.

EASTERN DISTRICT COUNCIL REPORT

Jacques Dubois

Local Union Updates

As another year has passed and although the hours have receded in our district council, there are many positive results to report. It's the old proverb of seeing the glass half full, not half empty.

There is an increase of major projects on the drawing board in eastern Canada. However, we must continue to be diligent in ensuring we bring safety, productivity and quality to the job every day.

Training is a top priority for local unions and members of the council who have been participating in apprentice and upgrading courses that will further provide our contractors with our brand – professional ironworkers and their contractors. Better People. Better Built.

We are more efficient at organizing, which is the most important factor to focus on to guarantee us all a brighter future.

Local Union Updates

Local 711 (Montreal, Quebec) – Work has increased since last year in the commercial/institutional and civil engineering sectors, which has been keeping the membership busy. One major infrastructure project worth mentioning is the Turcot Interchange, a three-level stack freeway interchange within the city of Montreal, Quebec. Located southwest of downtown, the Turcot is the busiest interchange in the province. The main consortium partners of the project are Kiewit Canada, Parsons Canada, Holcim Canada and WSP Canada Inc. of Montreal. There

Local 711 builds Turcot Interchange – Montreal's busiest highway. // La section locale 711 construit l'échangeur Turcot, l'autoroute la plus achalandée de Montréal.

will be a total of 15,000 ton of structural steel for the entire project. In addition to the girders, there are more than 2,000 precast concrete pre-slabs for overpass decking. To enable the consortium to stay ahead of schedule and optimize construction costs, WSP innovated the use of the pre-slabs. The slabs normally cast in place are cast in the factory, which allows for temperature regulation, thus improving quality. The proportion of precast slabs allows for faster construction, resulting in cost savings. For safety purposes, there are also 10 kilometres of guardrails—all erected and installed by Local 711 ironworkers. Contractors Universal Structures is employing 40 members of Local 711 and St. Lawrence Erectors has 35 members employed. ABF Reinforcing Steel and AGF Reinforcing Steel will be placing 40,000 tons of rebar employing over 75 reinforcing ironworkers. The post-tensioning cables are being installed by AGF Reinforcing Steel. Construction on the new Turcot Interchange is almost 50 percent complete, on budget and on schedule for the end of 2020.

Massive IKEA, erected by Local 752, had a grand opening in September in Halifax. // Magasin IKEA gigantesque monté par la section locale 752 et grande ouverture en septembre à Halifax.

Local 752 (Halifax, Nova Scotia) continues to enjoy close to 100 percent market share in the province. A notable project is the contract for the assembly of six reinforcing cribs for the Department of the National Defense. Fifty reinforcing ironworkers with McNally Construction are placing more than 1,900 tons of reinforcing steel in a condensed work schedule at the Jetty NJ in Halifax Harbour. The custom project will reshape the CFB Halifax dockyard and will be approximately 247 metres long and will extend 29 metres into the harbour in 12-metre deep water. Local 752 ironworkers erected 2,100 tons of structural steel and laid 333,000 square feet of steel deck for the newly opened IKEA store in Dartmouth Crossing.

Local 764 (St. John's, Newfoundland) – June 2017 saw the tow-out of the completed Hebron Gravity Base Structure to the Grand Banks. The mega-project employed in excess of 1,200-plus reinforcing and structural ironworkers and welders over a seven-year period. Over 500 rodmen, structural ironworkers and welders are currently working at the Hydro Dam build in Muskrat Falls, located just outside Goose Bay in Labrador. The Nalcor Energy project is expected to be complete by 2020. Local 764 ironworkers are currently erecting the Core Science Building at the Memorial University in St. John's. The massive facility was awarded to Structures de Beuce by the general contractor Marco. The tonnage is excess of 6,000 tons and will span two construction seasons and employ over 35 ironworkers and welders. The local is also happy to announce they have ratified another PLA to build the Husky Offshore Gravity Based Structure, which will commence in the spring of 2018 with a project life of approximately four years.

Local 764 ironworkers and welders erect Core Science Building at St. John's Memorial University. // Les travailleurs des métiers de l'acier et les soudeurs de la section locale 764 montent le Core Science Building de l'Université Memorial de Saint-Jean.

Shop Local 809 and Field Local 842 members fabricate and erect new head office for Irving Oil in downtown Saint John. // Les membres de la section locale d'usine 809 et de la section locale sur le terrain 842 fabriquent et montent le nouveau siège social d'Irving Oil dans le centre-ville de Saint-Jean.

Ocean Steel, represented by **Shop Local Union 809 (Saint John, New Brunswick)**, is strategically located where it has opportunities to supply steel fabrication to the U.S. and Canada, including fabrication supply for commercial, institutional and industrial projects located in New England and northern Canada, which has provided steady employment for our shop members. Our shops are currently working at full capacity of approximately 110 members working both day and nights shifts to meet demand. Ocean Steel & Construction placed 400 tons of rebar, just completed the steel fabrication and are now into the field erection of Irving Oil's new head office located in downtown Saint John. The project included 2000-plus tons of structural steel and 290,000 square feet of decking.

Local 842 ironworkers at Irving Oil's Refinery Tier 3 project. // Les travailleurs des métiers de l'acier de la section locale 842 sur le projet de catégorie 3 de la raffinerie d'Irving Oil.

Under the new leadership of **Local 842 (Saint John, New Brunswick)**, they have been successful in negotiating a new reinforcing ironworker collective agreement with 100 percent membership approval ratification. Other promising projects on the horizon are the Sisson Mine, bridge work along the Trans-Canada Highway and the Mactaquac Dam refurbishment. Members are currently working on the Tier 3 project at the Irving Oil Refinery and the new Irving Headquarters Building, following very successful work on the new Moncton Downtown Centre, which received much public praise and attention for the speedy, incident-free, on-time and on-budget erection of the structure. In October, Local 842 proudly held their pin and service awards banquet to recognize their longtime members' hard work and dedication.

I would like to wish every member, our business partners and their families a very merry Christmas and a safe, healthy and happy new year.

Mises à jour des sections locales

Une autre année se termine, et bien que les heures aient diminué dans notre Conseil de district, nous avons de nombreux résultats positifs à signaler. Comme le dit le vieux proverbe, « il faut voir le verre à moitié plein, et non à moitié vide ».

On remarque une augmentation des projets majeurs sur la table à dessin dans l'Est du Canada. Toutefois, nous devons rester diligents et nous assurer de toujours tenir compte de la sécurité, de la productivité et de la qualité au travail.

La formation est une priorité importante pour les sections locales et les membres du Conseil qui participent aux cours d'apprentissage et de mise à niveau qui visent à renforcer notre marque auprès des entrepreneurs « Les travailleurs des métiers de l'acier professionnels et leurs entrepreneurs ». « De meilleurs gens pour une meilleure construction. »

Nous sommes plus efficaces pour l'organisation, qui constitue le facteur le plus important sur lequel il faut nous concentrer pour assurer un meilleur avenir à tous.

Mises à jour des sections locales

Section locale 711 (Montréal, Québec) – Les travaux ont augmenté depuis l'année dernière dans les secteurs commercial/institutionnel et du génie civil, ce qui a permis de garder nos membres bien occupés.

Parmi les projets d'infrastructure d'envergure, on compte l'échangeur Turcot, un échangeur autoroutier à trois étages situé au cœur de la ville de Montréal au Québec. Situé au sud-ouest du centre-ville, l'échangeur Turcot est le plus achalandé de la province.

Les principaux partenaires du consortium pour le projet sont Kiewit Canada, Parsons Canada, Holcim Canada et WSP Canada inc. de Montréal.

Au total, 15 000 tonnes d'acier structurel seront nécessaires pour l'ensemble du projet. En plus des poutres, il y aura plus de 2 000 prédalles de béton prémoulées pour les tabliers de l'échangeur. Afin de permettre au consortium de rester en avance sur l'échéancier et d'optimiser les coûts de construction, WSP a innové avec l'utilisation de prédalles. Les dalles, normalement moulées sur place, sont moulées en usine, ce qui permet de gérer la température, améliorant ainsi la qualité. La proportion de dalles prémoulées permet une construction plus rapide, ce qui entraîne des économies. En ce qui concerne la sécurité, il y aura également plus de 10 kilomètres de glissières de sécurité, qui seront toutes montées et installées par les travailleurs des métiers de l'acier de la section locale 711.

Contractors Universal Structures emploie 40 membres de la section locale 711 et St. Lawrence Erectors emploie 35 membres.

ABF Reinforcing Steel et AGF Reinforcing Steel placeront 40 000 tonnes de barres d'armature, employant ainsi 75 travailleurs des métiers de l'acier (renforcement).

Les câbles de précontrainte par post-tension sont installés par AGF Reinforcing Steel.

La construction du nouvel échangeur Turcot est achevée à près de 50 %, respecte le budget et respecte l'échéancier qui indique la fin des travaux pour la fin de 2020.

La section locale 752 (Halifax, Nouvelle-Écosse) continue de profiter d'une part de marché proche de 100 % dans la province.

Parmi les projets importants, on compte le contrat pour l'assemblage de six caissons de renforcement pour le ministère de la Défense nationale.

50 travailleurs des métiers de l'acier (renforcement) chez McNally Construction posent plus de 1 900 tonnes d'acier de renforcement dans le cadre d'un horaire de travail condensé à la jetée NJ du port d'Halifax. Le projet sur mesure remodèlera le chantier maritime CFB Halifax et aura une longueur d'environ 247 mètres. Il s'étendra à 29 mètres dans le port, dans 12 mètres d'eau profonde.

Les travailleurs des métiers de l'acier de la section locale 752 ont monté 2 100 tonnes d'acier structurel et posé 333 000 pieds carrés de tablier

d'acier pour le magasin IKEA récemment ouvert à Darmouth Crossing.

Section locale 764 (St-Jean, Terre-Neuve-et-Labrador) – En juin 2017, on a assisté au remorquage de la structure gravitaire Hebron achevée vers Grand Banks. Ce mégaprojet a employé plus de 1 200 travailleurs des métiers de l'acier (renforcement et structure) et soudeurs pendant sept ans.

Plus de 500 jalonneurs, travailleurs des métiers de l'acier (structure) et soudeurs travaillent actuellement au mégaprojet de barrage hydroélectrique de Muskrat Falls, situé à proximité de Goose Bay, au Labrador. L'achèvement du projet de Nalcor Energy est prévu pour 2020.

Les travailleurs des métiers de l'acier de la section locale 764 montent actuellement le Core Science Building à l'Université Memorial de St-Jean. Cette installation gigantesque a été accordée à Structures de Beauce par l'entrepreneur général Marco. Le tonnage dépasse 6 000 tonnes et s'étendra sur deux saisons de construction. Il emploie 35 travailleurs des métiers de l'acier et soudeurs.

La section locale est également fière d'annoncer qu'elle a ratifié une autre PLA pour construire la structure gravitaire extracôtière Husky, dont les travaux commenceront à l'automne 2018. La durée de vie du projet sera d'environ quatre ans.

Ocean Steel, représentée par la **section locale d'usine 809 (Saint-Jean, Nouveau-Brunswick)**, est stratégiquement située où elle a des occasions d'approvisionner la fabrication d'acier aux États-Unis et au Canada. Cela comprend l'approvisionnement de la fabrication pour les projets commerciaux, institutionnels et industriels situés en Nouvelle-Angleterre et dans le nord du Canada, ce qui a permis d'offrir des emplois réguliers à nos membres d'usine.

Nos usines fonctionnent actuellement à plein rendement. Environ 110 membres travaillent sur des quarts de jour et de nuit pour suffire à la demande.

Ocean Steel & Construction a posé 400 tonnes de barres d'armature, vient tout juste de terminer la fabrication de l'acier, et monte actuellement sur le terrain le nouveau siège social d'Irving Oil situé dans le centre-ville de Saint-Jean. Le projet comprend plus de 2 000 tonnes d'acier structurel et 290 000 pieds carrés de tablier.

Sous la nouvelle direction de la **section locale 842 (Saint-Jean, Nouveau-Brunswick)**, ils ont réussi à négocier une nouvelle convention collective pour les travailleurs des métiers de l'acier (renforcement), dont la ratification a été approuvée à 100 % par les membres.

D'autres projets prometteurs sont en vue, notamment la mine Sisson, les travaux de pont le long de l'autoroute transcanadienne et la réfection du barrage Mactaquac.

Les membres travaillent actuellement sur le projet de catégorie 3 à la raffinerie d'Irving Oil et au nouveau bâtiment du siège social d'Irving. Ces travaux font suite aux travaux couronnés de succès sur le nouveau Moncton Downtown Centre qui a reçu les félicitations et l'attention du public pour le montage rapide de la structure, qui a eu lieu sans incident et qui a respecté les délais et le budget.

En octobre, la section locale 842 a tenu son banquet *Pin and service Awards* pour souligner le dur labeur et le dévouement de ses membres de longue date.

J'aimerais souhaiter un joyeux Noël à tous les membres, à nos partenaires d'affaires et à leur famille, ainsi qu'une nouvelle année dans la joie, la sécurité et le bonheur.

LET'S BUILD CANADA
Ironworkers Political Action
LET'S BUILD CANADA... TOGETHER!
Let's stay in touch. Register now: **letsbuildcanada.ca/site/join-us**

Kevin Bryenton

Robust Year for Ontario

2017 was a robust year for the Ontario Iron Workers District Council in the areas of work availability, organizing and training. In May of this year, the Ontario District Council Organizing Fund was established to consolidate the work of building the team and providing the resources to sustain it. Over the last seven years, the council has increased capacity in this department from two full-time organizers, to where it is now with 10 members engaged in this critical component of our union. A budget of $1.6 million, for the first fiscal year, was approved by the Ontario business managers and the council will be looking to add capacity in the next six months to take advantage of the favourable labour laws in the province.

Over the course of the year, the team has been averaging around a contractor a week in the various campaigns around the province. Check out Canadian Campaign Coordinator James Rodney's report for the many successes to date. The work they all do is critical to maintaining everything we all come to rely upon for opportunities across the province and I thank them all for what they do to bring representation to the unorganized sector.

The leadership teams at each of the local unions are fully engaged in working together with the team to create as many opportunities for employment as are available to be had for the diverse membership of this province. Speaking of work, this year will be one of the better ones in Ontario council history with many locals having work that outstripped their home local numbers and the boom that used to be a western Canadian claim, has made itself known in our province for the first time in many years.

To that end, I would like to thank all the sister locals across this country who gave a hand filling the work calls in Local 721 (Toronto, Ontario), Local 765 (Ottawa, Ontario) and Local 786 (Sudbury, Ontario). Your willingness to come down and assist keeps this province strong in terms of the standard of living for all its members.

Some interesting action in progress and, of note, for future work includes Darlington Nuclear Generating Station and Bruce Power. The two stations will have decades of work to come in the ongoing refurbishment of their respective reactors and offer interesting safe employment inside their gates and vaults. It can be a bit of a puzzle factory if you left a career in beam and joist to show up for

Ontario Business Managers' meeting at the Canadian IW's Tri-Council and RAB Labour/Management Conference; Niagara-on-the-Lake, Ontario.

an outage, but where else are you going to get three showers a day for 16 a week.

Local 700 (Windsor, Ontario) has an interesting horse race of sorts. The long-awaited Gordie Howe Bridge has taken some time to get traction for any proposed contractor. The vacuum of that stalled progress has spurned the private owner of the Ambassador Bridge to start his engines on the twinning of the existing suspension bridge before the Gordie Howe finishes up. As a result, the local could be looking at a billion dollars worth of construction with two crossings of the Detroit river underway at the same time.

Local 765 (Ottawa, Ontario) continues to drive forward with full employment locally, a growing apprenticeship program and work for other locals surrounding the nation's capital. Parliament refurbishment, power plant construction and Lebreton Flats redevelopment, along with a plethora of commercial and residential construction, continue to make Ottawa shine. As such, they have grown market share and have the most equal representation of hours for structural and rod of any local in the province. Congratulations on maximizing the opportunities in the geography of the local and good luck in the pursuit of training delivery status for your training center through the Ministry of Advanced Skills and Development.

Local 736 (Hamilton, Ontario) is in the business of building bridges along with Local 721 as the Peace Bridge is finishing up down Buffalo way and a raft of bridge work in the Greater Toronto Area (GTA) ongoing with the 407 extension. Up in Local 759 (Thunder Bay, Ontario), the Nipigon River Bridge just keeps on giving to the local ironworkers. It was finished on schedule, but ended up a little different after last year's report, when some engineering issues left the deck looking like a potato chip as the northern winter of Ontario met with the Spanish consortium's take on cable expansion. Thankfully no one was hurt when both decks popped up 5 feet and it continues to be a place for our members to get pensionable hours as they attempt to remedy the issues.

Training center upgrades at the Canadian Regional Training Center expansion are on track and will be a fantastic arena for local training enhancement to Local 721 and offerings for the spate of Train the Trainer courses for instructors across the country. In Hamilton, Local 736's project is also ongoing with a major refurb and expansion of their training center in line to complete over the same timeframe. Collectively, these two projects acquired $5.4 million of assistive funding through the Ontario government and IMPACT.

Overall, there are fantastic projects underway across the province—at the local union level through their infrastructure enhancements for member services and across the seven locals employing members from the council and beyond. Thanks again to all the members and boomers who have kept all our contractors in a steady supply of extra capacity and a tremendous thanks to all the active members of the province who maintain the market share in Ontario with their heart, skills and diligence, working in our craft day in and out, safely and professionally. You can all be proud together of your part in making Ontario one of the best places in North America to tackle a career as an ironworker.

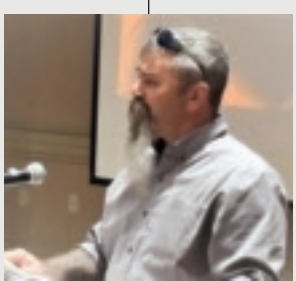
Local 752 Reshaping the Halifax Harbour

Reinforcing ironworkers and rodmen of Local 752 (Halifax, Nova Scotia) are reshaping the CFB Halifax dockyard by placing 1,900-plus tons of rebar for six reinforcing cribs for the new Jetty NJ for the Department of the National Defense.

Opportunity Awaits

2017 was a year of adjustment in western Canada. British Columbia experienced a political shift causing concern for planned resource projects. Capital investment in Alberta's oil sands sector decreased from $23.4 billion in 2015 to approximately $12 billion in 2017 and Saskatchewan's overall construction activity softened as commodity prices weakened. A shining star may have been Manitoba with hydroelectric projects. As a result, work hours have decreased across the district council from 7,124,739 in 2016 to an expected total of 5,154,250 in 2017.

James Rodney, Canadian campaign coordinator, presents on organizing at the district council meeting in October.



Shane Mudrik, organizer for Shop Local 805 (Calgary, Alberta), reports on shop organizing in Alberta.

Heading into 2018, the pace of resource expansion will further slow. Although, a period of modest growth across the construction industry generally has been predicted for 2018-2026. During this period, a large number of Canada's aging population is expected to retire, a calling for recruitment and training of a new workforce. For our locals and membership, we have challenges; but with these tests come opportunity. Let's look at areas of opportunity.

Fact: Competition is Always Imminent

The organizing environment has become very challenging for our union organizers. We find the overwhelming majority of nonsignatory employers aggressively oppose organizing efforts through a combination of threats, discharges, promises of improvements, unscheduled unilateral changes in wages and benefits, bribes and surveillance. This, combined with limited intelligence information provided from the nonunion workplaces reflect, in part, recent strategic decisions by our union around organizing. One area of concentration is educational opportunities for our membership. Organizing is a function and responsibility of each and every member. Equally important is local union training opportunities so our members understand and embrace the significance of growing the Iron Workers International (IW). This has been seen by many as the Achilles' heel of the labour movement. Labour board data confirms this trend in organizing. These strategic elements, which we call comprehensive organizing tactics, are each associated with higher win rates and/or have statistically significant positive effects on election outcomes. However, given the hostile climate in which we operate, the use of these individual comprehensive organizing tactics is not enough. We need members to engage. Contact your local union to find out how you can assist.

The Tin Palace: Are Metal Building Systems in Our Future or in the Past?

Over the decades, the metal building system has become the most popular low-rise commercial building solution throughout America. A custom-engineered steel solution where typically the building design, fabrication, delivery and construction are all managed through one single source. Convenience, yes. Value, yes. Price, yes.

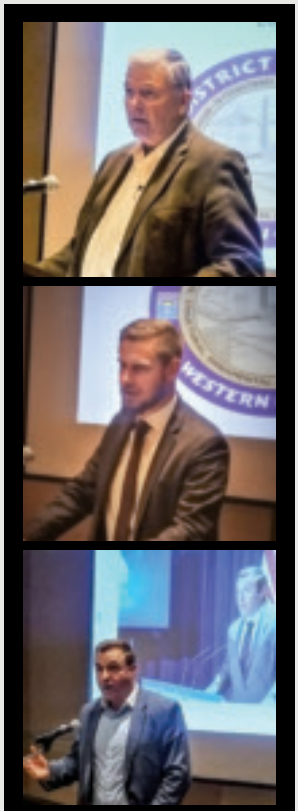
Most of our signatory contractors have either left the metal building sector or have avoided it due to a variety of reasons. Price of labour, perhaps. Profit more lucrative in other areas of the business, perhaps. The opportunities to expand market share is wide-open. Our union offers specialized training to develop the knowledge and skills unique to the metal building system. The IW has developed a suite of metal building agreements to build on creating working relationships in the sector. The local unions have been tasked with growing this sector with a specific focus on top-down approach. Many of these companies use established crews, who travel at times across the provinces. We need agreements allowing mobility with the ability to increase crew sizes drawing from our local trained labour pool.

Business 101: Building a Good Pie

Market share is said to be a key indicator of market competitiveness, that is, how well a company or organization is doing against its competitors. The overall market share across the various sectors in the ironworking industry is shrinking. Whether it is residential high-rise developments in British Columbia, commercial/institutional projects in Alberta, shutdown work in Saskatchewan or metal building systems in Manitoba, the piece of the pie that is owned by the IW and our signatory contractors is small; conservatively estimated at 20 percent of the related work available in the market. This means opportunity is abundant.

A plan is in place. We have done an outstanding job with our professional ironworkers and their contractors branding initiative. The program has relayed an important message to the owner communities that we collectively as union and management have greatly invested in our workforce. This investment includes apprenticeship, continued education and experience leading to a competent, high quality workforce that brings value to owners' projects in the areas of quality, productivity and safety.

The next step in the business development strategy initiative is securing more work for our contractors and local union memberships.



Guest speakers IW DOAMM Executive Director Ray Dean, IW Political and Legislative Representative Ross Templeton and Greg Kyllo, Liberal MLA for the area, present to the group.

We have retained a business development professional (BDP) to provide business development services to capture opportunities to regain and increase market share in the construction/fabrication industry throughout the western provinces and ultimately across our nation. The BDP will provide direct services to our contractor and fabricator companies creating networking openings to assist the ironworkers in pursuing growth and expansion. The end goal is to place contractors/fabricators in new and existing markets, and gain additional invitations to bid on a diverse range of projects. The BDP will create a networking environment with the various owners, general contractors and prime subcontractors, to increase the probability of winning projects to increase our market share.

Roll Up Your Sleeves

We have vast opportunity to increase our market share, provide more employment opportunity and regain our bargaining power in western Canada. But the effort must involve all of us.

With the recent downturn in the major construction economy in western Canada, it becomes extremely important that we refocus our efforts on organizing. So, get involved and hold on to our market share. The competition in our industry is fierce and abundant. The time is now to contribute your talents to organizing. Contact your local union to see how you can get involved and support organizing opportunities. The safe, timely and cost-effective completion of construction jobs contributes to the success and well-being of workers, unions, employers and clients.

Merry Christmas and happy new year to you and yours.

Organizing — Stronger Together

Across Canada, the organizing tactics and strategies are changing constantly. What works in one province or local's area does not necessarily work in another's. Bottom-up organizing works better in areas where the labour laws are friendlier and card check certification exists. As of Sept. 1, 2017, the Alberta Labour Relations Board has made amendments to the board's certification process resulting from the Fair and Family Friendly Workplaces Act.

Unions can be certified in two ways, by an employee vote or automatically, depending on the level of employee support for an application. If a union applies for certification, employees vote on whether or not a union will represent them. The vote is by secret ballot. A union is certified only if the employees decide to be represented by it. The board will issue a certificate without a vote to unions applying for certification (card check certification) with evidence of more than 65 percent membership support of employees provided the application meets all the statutory requirements and there are no objections. This amendment will give the organizers and the locals a far better opportunity to certify more companies than in previous years in Alberta.

British Columbia is utilizing the boom in the reinforcing sector to strategically strip employees from rebar-placing contractors and weaken their workforce. This pressure is leading to meetings with owners and subcontractors of the targeted companies in a pursuit of voluntary recognition. There has been a consistent and steady outreach to unrepresented ironworkers, and interest in the union continues to grow.

Several contractors are using it as an ongoing strategy and it seems to be working well in increasing our membership and contractor base.

The first thing we need to do as members to increase our market share is to provide a safe, professional and productive workforce ensuring the employer will get jobs completed on time and on budget. This is easy for us to do as individuals and further encourages new members and apprentices to follow suit and ensure the Iron Workers International (IW) are the only choice in the industry.

When union membership thrives, so does the middle class and union membership is the best passport to the middle class. Studies have shown an indisputable correlation between the rate of unionization and the percentage of the nation's total wealth held by the middle class.

As union memberships grew through the first 70 years of the last century, the gap between the rich

Local 700 (Windsor, Ontario) Organizer Jeremy Schembri coordinated an information picket to protest work, which had been awarded to a nonunion contractor from outside their jurisdiction. Their efforts resulted in newspaper exposure and informing local residents that their tax dollars were not supporting our local businesses. Local 700 members and leadership turned the project around, an outdoor theater at Seacliff Park in Leamington, Ontario. The amphitheatre at Seacliff Park will host community and charity events and will offer enough space to house the entire Windsor Symphony Orchestra. In the photo are Jeremy Schembri, Matt Ferguson, Brian Hamlin, Rob Kallis, James Soulliere, Rob Schaafsma, Ray Simpson and Mitch Hedrick.

and poor narrowed. The decrease in labour-union participation since the 1960s is highly associated with the decline in the share of the nation's total income to the middle class.

A vibrant labour movement is necessary to ensure that our economy and democracy work for the middle class. We are seeing more and more projects arising in the Northwest Territories, mainly in the mining industry. The Canadian organizing team has ongoing campaigns to secure this market share, which in the end, will level the playing field for everyone and create more opportunities for our members and signatory employers. Organizer Martin Viger worked hard and diligently with Local 728 (Winnipeg, Manitoba) and obtained certification under federal jurisdiction with the signing of Qamanittuaq Sana.

In the last few years we have witnessed an increase of nonunion projects being performed in the industrial maintenance sector in the province of Quebec. We have ongoing joint campaigns with other trades from the building trades, and we are confident we will be certifying some of the key employers and securing more work for our members in the maintenance sector.

Also, in eastern Canada, we are top-down organizing one of the largest metal building and pre-engineered employers in in the country. In many of the eastern and western provinces, the metal building market is increasing and is another area we are targeting to increase our market share.

The key to our success in organizing relies on a team effort rather than individual achievements. We must continue to develop a strong organizing team across Canada to ensure growth continues for years to come. We have had a tremendous success organizing over the last year and have signed over 47 new contractors through voluntary recognition agreements and card check-based certifications in the shop and field. Every member needs to support and understand the need to organize. We encourage all members to actively participate in our organizing efforts.

I would like to thank every union member who has assisted the organizing efforts in our district councils. I would further like to recognize the local union, district council and IW organizers for what they do every day. Special thanks go out to the business managers and staff, district council presidents and the Canadian department for their help and support for a successful year.

On behalf of my family to yours, I would like to wish everyone a safe and prosperous new year and holiday season.

Local 725 (Calgary, Alberta): Members turned out in numbers at the Calgary Southwest Ring Road to protest the award of multiple major bridge contracts that are being installed by an alternate union contractor. As a result of the call to action, the local is in discussions with the alternate union contractor for the precast and/or steel bridge girders. Please note that all reinforcing placing on the project is being done by a Local 725 signatory contractor.

Committed to Organizing

Our ironworker (shop) members and signatory employers have endured another challenging year in 2017. Continued large-scale layoffs throughout our department and country have created significant uncertainty across our sector. Alberta and Saskatchewan have continued on a downward trajectory from 2016, as the oil sands and potash crisis respectively, has hit both provinces quite hard. Low demand for our natural resources has exacerbated the problem. British Columbia hasn't escaped this downward slide either, but BC's overall economy has been relatively strong, which has equated into less job losses than its two neighboring provinces.

The members of Shop Local 834 (Toronto, Ontario), who work at Kawneer Canada, have over 400 years of seniority and experience working at their craft: Vinny Gandalfo, Arnold Hayward, Glenn Sheppard, Ron Ramos, Stephen Marjoram, John Mercer, Bill Furman, Doug McKitterick, Carmen Belding and Dave Ramsdem. Missing from photo: Sterling King, Terry Wells and Yilma Tesfasion.

On a positive note, we have experienced some valuable stability in our diverse manufacturing sector, as a number of miscellaneous shops continue to benefit from the lower Canadian dollar. Ontario, BC and to a lesser degree Alberta, continue to reap some rewards. Quebec and our newly organized rebar shops have been relatively busy throughout most of the year. The shipyards in Victoria, British Columbia, have experienced some layoffs, but are keenly waiting for the ramping up of operations on several key projects.

Organizing Update

The shop locals, their officers and executive boards have been committing more resources toward education and training of our member organizers. We all know we must organize; there is no other option. We are encouraging more participation from our younger members. We know there are many aspiring organizers and future union leaders within our rank-and-file membership. We need to foster the growth of our union by including our younger members and by encouraging greater participation from everyone. We are asking all members for their help and are encouraging them to get more involved in their union. We are seeking your help in shaping the type of union and organization you want to be a part of. Bring your ideas and your passion, along with a friend or two, to your monthly union meetings in 2018.

This is an opportune period for organizing with labour friendly governments in Alberta and BC, especially in Alberta's case. Alberta's labour code was

Shop Local 838 (Regina, Saskatchewan) members and family picnic, Esterhazy, Saskatchewan: front row, Serhii Furkalo, Oleksandr Stalnenko, Natalia Iemelianenko, Iurii Tsemma, Mikola Khokhlov, Anton Malyhin, Volodimir Veshinin, Serhii Fotin, Inna Fotina and Alexander Fotin (baby); back row, Viktor Marukhnich, Serhii Iemelianenko, Rienat Latipov, Andrii Nikoliuk, Viacheslav Taranukha, Ivan and Eugenia Taranukha (children) and Tetiana Veshinina.

Member organizers of Shop Local 712 (Vancouver, British Columbia) attended an Ironworker/BC Federation of Labour joint shop member organizers' course where the focus was on organizing the nonunion worker who still struggles: back row, IW Shop Department General Organizer Eric Bohne, Mike Pisko, Liam Grimes, Grigor Gheorghe and Harvinder Saini; front row, Mark Norum, Mac Daddy, Anita Zaenker, Bill Pua and Santiago De Vera.

recently updated and new legislation was passed where unions now enjoy a card check-based system. That means when a union signs up 65 percent of the nonunion workers during an organizing drive, the union can apply for an automatic certification, thus eliminating the voting requirement. The previous system required a vote and it usually did not occur for 10–14 days after the union had applied for certification. Nonunion employers often would use that window to intimidate, harass and coerce employees into not voting for the union. Recently, there was a study by the Alberta Federation of Labour; the study countered the often-cited myth that unions "intimidate" workers into joining unions. In fact, the study showed the opposite happens. It's the nonunion employers that "intimidate" workers into not joining unions like the Iron Workers International (IW). This report was relied upon by Alberta's government when it considered the legislative changes. (See link to view the report: afl.org/employers_not_unions_threaten_and_intimidate_unionizing_workers.)

Unions in Alberta are looking forward for the opportunity to position ourselves to bypass the archaic unionization vote, but we will need help in meeting the necessary threshold of 65 percent cards signed. We will be working hard with our members and local unions through continued member organizer education and training to that end. There's one way that you can help; if you know of a neighbor, friend or family member that would benefit from having their workplace organized, please contact me at ebohne@iwintl.org.

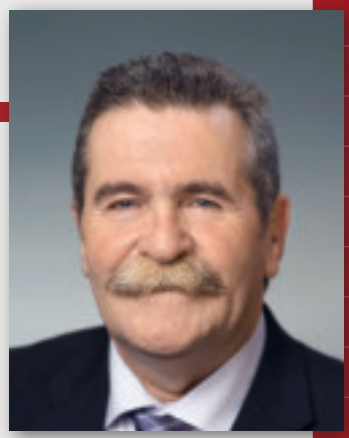
Results of the Investigation into the Dumping of Fabricated Steel in Canada

A dumping complaint was filed with the Canada Border Services Agency (CBSA) in 2016. The mandate of the CBSA in the inquiry was to determine whether the dumping and subsidizing of certain fabricated industrial steel components (FISC) was causing injury or was threatening to cause injury to our steel fabrication industry.

Thanks to the team effort and hard work of the IW, IMPACT, Waiward Steel LP, Supreme Steel Group, Ocean Steel Construction, Supermetal Structures, Walters Inc., the CISC and the amazing legal team at Conlin Bedard LLP, the tribunal found the dumping of FISC, originating in or exported from China, Korea and Spain, has caused injury to the Canadian steel fabrication industry. This was a very big victory for our members, their families and our industry partners.

Finally, I would like to thank all of our shop local union staff, the officers and of course our members, for their continued dedication and hard work.

In closing, I want to wish all ironworkers, throughout both of our nations, along with your families, a very merry Christmas and a healthy and prosperous year in 2018.



IMPACT Makes Mark

After five years in operation, IMPACT continues to make a mark in the Canadian ironworking industry. IMPACT's highly sought, successful initiatives are designed to fulfill its mission of increasing work opportunities for ironworkers and their contractors. The wide range of services and resources IMPACT provides its partners have made it possible to preparing a job ready, safe workforce making our contractors more successful. IMPACT grants and financial support have made critical regional advisory board activities possible. IMPACT works diligently to expand ironworker-contractor partnerships and opportunities in Canada.

Labour/management courses are always available. Instructors from Smart Advantage held a course in conjunction with the RAB Western Canada Executive Committee and the District Council of Western Canada meetings this past October.

National IMPACT Initiatives

The Canadian regional advisory boards joined forces to move forward with initiatives directly affecting the ironworking industry. IMPACT assisted with funding for expansion of the multimillion-dollar Local 721 Regional Training Centre; phase two of the branding initiative of the Better People. Better Built; the Offshore Foreign Fabricated Steel Trade Remedy legal challenge, which is a major win for Canadian fabricators and ironworkers; Prompt Payment legislation in Ontario, Regional Advisory Board XI Business Development initiative; and the Alberta steel fabrication industry labour/management meetings. IMPACT also co-funded the largest gathering of Canadian ironworkers and contractors at the well-attended Tri-Council meetings held at Niagara-on-the-Lake, Ontario.

Training

Throughout the past year, training remained a top priority for contractors and ironworkers across Canada. IMPACT sponsored the following courses: Articulating Value-Identifying Your Competitive Advantage, Succession Planning for the Ironworking Industry, Construction Contracting Business Fundamentals Academy Track 1-Establishing Your Business, foreman and superintendent training courses, Win More Work-Negotiating Strategies to Boost Market Share, and Project Management and Project Leadership. A Bidding and Estimating course will be available in mid-2018.

All labour/management courses offered by IMPACT are listed at impact-net.org, under the heading EVENTS. Course descriptions and registration information is available.

RAB XI – WESTERN CANADA

- **Labour Co-Chair: Darrell LaBoucan**
- **Management Co-Chair: Ross Fraser**
- **Locals: 97, 643, 712, 720, 725, 728, 771, 805, 838**

IMPACT provided funding for the following Regional Advisory Board XI grants: masters certificate in project management, Business Fundamentals Contractor course, shop supervisor training, foreman and superintendent training courses, CWB Level 1 welding inspector course, FMI contractor classes, Safe, Sober, Secure Seminars, Safety Director Training course – Toronto, IMPACT annual conference – San Diego, Labour/Management Customer Services program, forklift training, welding supervisor seminars, Articulating Value-Identifying Your Com-

petitive Advantage and the RAB XI business development initiative. IMPACT also provided funding associated with the RAB XI executive committee meetings.

RAB Western Canada Labour/Management Executive Committee meeting held in Kelowna, British Columbia, mid-October 2017.

RAB XII – ONTARIO

- **Labour Co-Chair: Kevin Bryenton**
- **Management Co-Chair: Jack Mesley**
- **Locals: 700, 721, 736, 759, 765, 786, 834**

Regional Advisory Board XII, through the IMPACT grant system, received funding for the following: provincial and federal lobbying initiatives, foreman and superintendent training courses, the Ironworker Safety Director Training course – Toronto, Succession Planning for the Ironworking Industry, purchase of a virtual welder and total station equipment purchase, FMI contractor courses, and supported women ironworkers' attendance at the Women Build Nations conference in Chicago. IMPACT also provided funding for RAB XII executive committee meetings and the costs associated with attendance at the IMPACT annual conference – San Diego.

RAB XIII – EASTERN CANADA

- **Labour Co-Chair: Jacques Dubois**
- **Management Co-Chair: Brad MacLean**
- **Locals: 711, 752, 764, 809, 842**

Regional Advisory Board XIII received funding from IMPACT for the following grants: Telehandler Train-the-Trainer, harness inspection training, OSSA training for ironworkers heading to Alberta for employment, Red Seal reinforcing upgrade classes, Red Seal generalist upgrade classes, overhead crane operator training, foreman and superintendent courses, Safety Director Training course – Toronto, Project Management and Project Leadership, FMI courses and master rigging training. IMPACT also provided financial assistance for RAB XIII executive committee meetings and the IMPACT annual conference held in San Diego.

Impact Annual Conference

With over 1,200 delegates in attendance, the 2017 North American Iron Workers/IMPACT Labour/Management Conference held in San Diego was, without a doubt, the largest ironworking industry networking event of the year.

The 2018 North American Iron Workers/IMPACT Conference scheduled for Feb. 11 - 14, 2018 at Disney's Coronado Springs Resort, Lake Buena Vista, Florida, promises to be a must-attend event. The 2018 annual conference, including industry panels, breakout sessions, world-class speakers and a wide variety of industry subjects, is now available for registration at impact-net.org, under the heading EVENTS. Locate the 2018 conference and proceed with your registration. There is no registration fee to attend the conference.

It takes a full team of dedicated partners to promote and deliver IMPACT products and services. For that reason, I would like to acknowledge the following people who helped make IMPACT a success in Canada, the IMPACT board of trustees, the regional advisory co-chairs, the regional advisory board executive committee members, the signatory contractors, the local union business managers and agents and the IW membership.

A special thank you also goes out to General Vice President Darrell LaBoucan, Canadian Office Administrator Sandy Lastiwka, IMPACT CEO Kevin Hilton, the IMPACT regional directors and the Washington, D.C. staff. Thank you all for your continued support.

Merry Christmas and happy new year!

Central Steel Erectors and Local 720 Erect Condo Complex

SUBMITTED BY CENTRAL STEEL ERECTORS LP., LOCAL 725 (CALGARY, ALBERTA) MEMBER JESSE McALPINE

The Village at Westmount is a new condominium development currently being constructed by Central Steel Erectors and Local 720 (Edmonton, Alberta) ironworkers. Central's management team, Local 725 (Calgary, Alberta) member Jesse McAlpine, site superintendent; Local 720 members Alan Hare, general foreman/welding inspector; Cory Anderson, raising gang foreman; and Mark Dupuis, detailing/decking foreman, have encountered and successfully overcame obstacles in the early stages of the project.

Mark Dupuis, the detailing foreman, and his crew were able to effectively and efficiently bring the structure back to plumb upon contending with a design error with the building. The crew was challenged with days lost to inclement weather and a very tight laydown area.

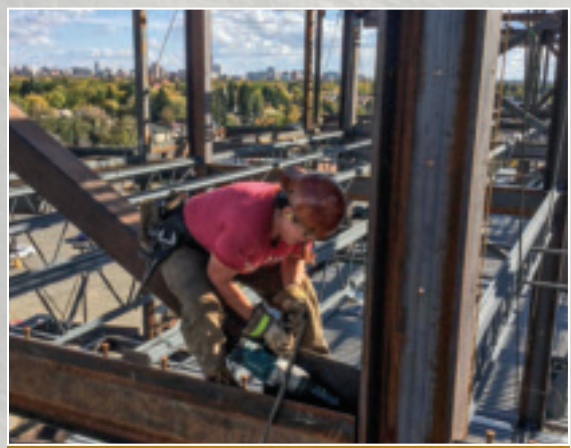
The Village at Westmount project began erection in mid-June and totalled 5,600 man-hours when it was completed at the end of November. At peak, 18 union ironworkers erected roughly 800 tons of steel and placed 12,000 square feet of a composite deck floor system for this 110-unit, 13-story condominium complex.

The complex decking system, Hambro MD 2000, was created by Canam Building. It's a composite floor system where the top cord of the joist is encased in the concrete floor. The crew embraced the opportunity to work with this new decking system and became extremely efficient in its installation spending roughly 1.5 days on laying each of the 12,000-square-foot deck on each floor.

With Central Steel's decision to use ironworkers to perform the install of this decking system, it created the opportunity to secure more work for our members.

Local 720 Job Steward Len Dyer commented, "I really enjoy working on the project at Westmount for Central Steel Erectors. We have knowledgeable and hardworking supervision, whose No. 1 priority is the safety and morale of the crew. Along with their ironworking experience, they also have an extensive knowledge of welding, which assisted with many of the welding issues that came up on the project. The crew comes from a variety of backgrounds, from industrial and commercial jobs, and brings a lot of experience to the plate. My favorite part of this job is working with this crew as everyone strives to work together safely and to get the job done!"

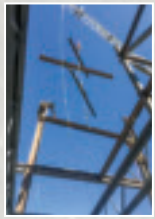
Jesse McAlpine, Randall Bearhead, Luc Larocque, Mark Dupuis, Mike Hart, Len Dyer, Neil Penner, Shawn Hubler, Dustin Clark, Lane Callioux, Jim Mitchell, John Geron, Mike St. Amant, Mike McCowan, Cory Anderson and Alan Hare. Missing from photo are Michelle Roline, Murray Reid, Darcy Lee and Ron Bergeron.



Local 720 ironworker Michelle Roline.

The Hambro MD 2000 complex decking system.

Artist's rendering of the Village at Westmount.



Local 786 Erect Mining Giant Vale's Clean AER Project

SUBMITTED BY LOCAL 786 (SUDBURY, ONTARIO)

Ironworkers from Local 786 (Sudbury, Ontario) are in the process of erecting the secondary bag house as part of Vale's Clean AER ("Atmospheric Emissions Reduction") project. Vale's Clean AER project is the largest single environmental investment in the history of Sudbury, and one of the largest in Ontario. The $1 billion investment will reduce sulphur dioxide by 85 percent from current levels and metals and particulate emissions by 35 to 40 percent. By reducing natural gas consumption and modifying certain processes, the Clean AER project will also reduce greenhouse gas emissions by 40 percent by 2020. The Clean AER project will ensure a cleaner environment and Vale's long-term sustainability and employment in the Sudbury basin for decades to come.

Three different contracts were awarded on the various work required for the mega-project. Ganotec and Supermetal secured the work for the bag house and fan house; E.S. Fox Constructors Ltd. had the install on the converter flues and ducts; and Stuart Olson Industrial Constructors was awarded the erection of the wet gas cleaning plant.

The project is located at mining giant Vale's Copper Cliff Smelter in the city of Greater Sudbury. Contractors Ganotec and Supermetal teamed up and employed 27 ironworkers to erect over 1,500 tons in structural steel, comprising a new bag house and fan house with estimated 20,000-plus ironworker hours. The project commenced in June 2017 and has an anticipated completion date of February 2018.

Ironworkers with E.S. Fox Constructors Ltd. are working on the install of 1,200 tons of structural steel for the converter flues and ducts at the Copper Cliff Smelter for Vale's AER project. Commencing in December 2016, the integrated project between Vale and general contractor SNC Lavalin peaked at 30 ironworkers. Because of the uniqueness of the project, an 800-ton crawler crane was required for a 471,000-pound lift. Work was completed in November.

The Wet Gas Cleaning Plant (WGCP) phase of the project was awarded to Stuart Olson Industrial Constructors, who employed Local 786 members to erect over 1,600 tons in structural steel, as well as the rigging and installation of over 500 tons of mechanical equipment as part of the Clean AER project. The Vale Clean AER project is expected to be completed in 2018.

Local 786 members on E.S. Fox crew: back row, Guy Pilon, Neil Scutt, Peter Vaillancourt, William II Vanduinkerken, Pascal Seguin, Shawn Larcher, Craig Carswell, Ricky Vachon and Marc St-Jean; front row, Grant Collins (B/M), Andy Pilon, Nathan Harris, Zach Slaney, Naithen Lacasse, Zach Martel, Chris Triganeau (OE), James Matheson, Chuck Boucher, Tahl McQuillan, Conrad Lessard, Peter Rysdale, Ryan Rysdale, Dean Cusson and Drew Porter.

Ganotec, Supermetal and Local 786 erect new bag house and fan house at Vale's Clean AER project.

Stuart Olson Industrial Constructors crew erect the Wet Gas Cleaning Plant. Local 786 members: Matt Mateev, Tiffany Hache, Serge Brunette, Greg Zadow, Denis Lefebvre and Brian Riddle.

E.S. Fox and 786 install new converter flues and ducts.

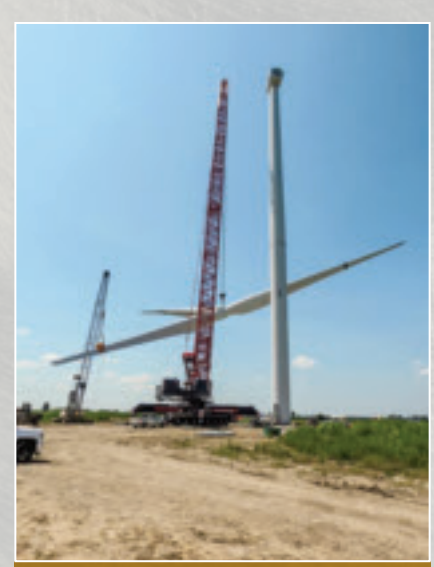
Ironworkers Local 700 Erect 40-Tower Wind Turbine Farm

SUBMITTED BY LOCAL 700 (WINDSOR, ONTARIO)

Local 700 (Windsor, Ontario) erected a 40-tower wind turbine farm outside of Windsor, Ontario, in the small town of Belle River. Contractor Black and MacDonald was the EPCM (Engineering, Procurement and Construction Management) on the project and self-performed the tower erection. At peak, 53 ironworkers from Local 700, Local 736 (Hamilton, Ontario) and Local 721 (Toronto, Ontario) were on-site. The project schedule was very aggressive and the weather was not very cooperative at the start of the project for tower erection. The crews fought through the inclement weather and when they had the opportunity to perform, they did. The crew finished on time and declared commercial operation 10 days ahead of schedule. Erection Superintendent Colin Smythe and General Foreman Wes Campeau took notice of the crew's ability to work safely and efficiently while maintaining and meeting the high-quality expectations from the owner.

Black and MacDonald also performed the erection of two metrological towers on the project.

Business Manager Jason Roe commends all the ironworkers for doing an outstanding job, safely and efficiently. It shows the owners why they make the right choice when they hire highly skilled, highly trained union ironworkers to work on their projects.



Crew is tailing the rotor section with all the blades pre-assembled on the ground.

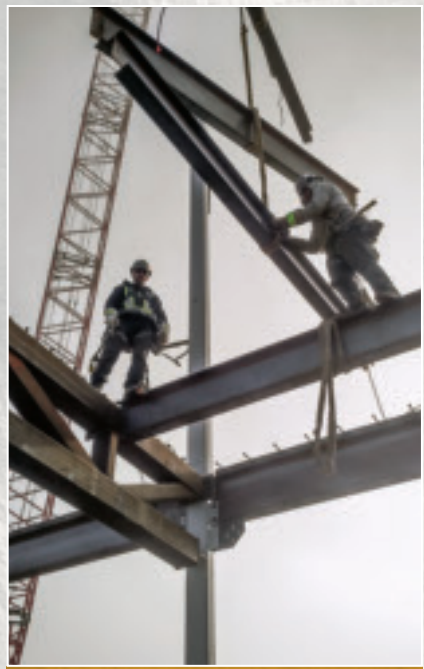
Local 700 apprentice Carl Lamoure, perched in the nacelle, is preparing to receive the rotor for connection.

Erection of the Metrological Tower: Local 700 members Darren Sayer and Mitch Sterling make the tower and ladder connections of one of the upper sections of the tower.

Shop and Field Locals Team Up on Edmonton Police Service Campus Build

SUBMITTED BY SUPERIOR STEEL ERECTORS LTD.

Superior Steel Erectors Ltd., a signatory contractor to Local 720 (Edmonton, Alberta), was awarded the erection of structural steel and metal decking on the Edmonton Police Service Training Campus. The steel fabrication package was awarded to Northern Weld-Arc Ltd., who is represented by Shop Local 805 (Calgary, Alberta). Partnering together, Superior Steel and Northern Weld-Arc Ltd. were successful in beating out several nonunion competitors and were awarded the 1,500-tonne supply and erection package in mid-2016. Field erection began in January 2017 and over 20,000 man-hours were worked on the project, which was completed in September with no lost-time, medical or first aid incidents on-site.



Local 720 members Toby Brunet and Sebastian Gratton.

Local 721 and their Contractors Prepare for Darlington Nuclear Plant Refurbishment

SUBMITTED BY LOCAL 721 (TORONTO, ONTARIO)

The Darlington Retube Waste Processing Facility is ancillary to the main nuclear facility, but still requires extensive safety and security measures that are an inherent part of dealing with radioactive material. Major structural steel, overhead cranes, miscellaneous and reinforcing steel contracts were awarded to SNC-Aecon Joint Venture, E.S. Fox Constructors Ltd., Walters Group and Gilbert Steel Ltd.

The purpose of the Retube Waste Processing Building (RWPB) is to support the refurbishment of the Darlington Nuclear Plant with automated tooling equipment to cut up the end fittings to prevent exposure to workers and reduce costs for the storage of the existing contaminated end fittings once removed. Some of challenges were getting material and workers onto the site. Materials and personnel needed to go through checkpoints with a similar level of security to an airport. Exiting the site also required going through a scanner to check for radioactive particles. Even the steel and trucks needed to go through security and inspections.

Twenty Local 721 (Toronto, Ontario) rodmen with Gilbert Steel Ltd. placed over 1,800 tons of rebar on the Retube Waste Storage Building, which consisted of bunker walls, 180 caissons and a large slab that was over a metre thick.

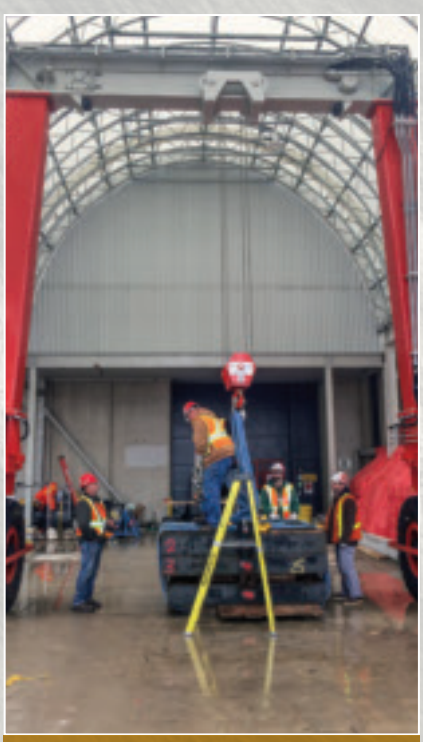
SNC-Aecon, general contractor, employed 30 ironworkers, on day shift and night shift, for the installation of four 60-ton overhead cranes that were installed in sections weighing 121,332 pounds each. SNC-Aecon also had the entire miscellaneous package on the project.

Walters Group completed the erection of 1,800 ton of structural steel, which included two raising gangs at peak employing over 50 ironworkers.

E.S. Fox Constructors Ltd., on the Darlington Retube Waste Processing Facility, was responsible for erecting the Retube Waste Storage Building, which consisted of 1,200 ton of structural steel including the overhead crane installation.

E.S. Fox's other auxiliary contracts included 1,350 ton of structural and miscellaneous packages that were built to Nuclear Z-299 standards and employed over 30 ironworkers from start to finish.

All of these projects were completed safely with no lost-time incidents.



Local 721 ironworkers assemble gantry crane to support the Darlington Nuclear Power Facility Refurbishment: 35-year member Dave Klibingat, Jeremy Taylor, Tommy Lucas and apprentice Matt McMillan.

Robert Losee, Local 721, third-generation ironworker, placing the topping off banner for E.S. Fox Constructors Ltd. at the Retube Waste Storage Building at Darlington Nuclear Power Facility.

Dynamic People + Dynamic Thinking = DYNAMIC STRUCTURES
A Canadian Success Story

SUBMITTED BY DYNAMIC STRUCTURES AND JEFF NORRIS, CANADIAN SAFETY COORDINATOR

ENGINEERING PROWESS UNITED WITH SKILL OF IRONWORKERS

Precision fabricators and innovative engineers work side by side at Dynamic Structures, a global leader in two oddly different industries: theme park rides and telescope observatories.

The two industries seem to be polar extremes.

Guy Nelson, CEO, explains the opposite is true, saying, "In fact, entertainment rides and scientific telescopes require the same skill set." Extraordinary focus, creativity and technology are needed to advance in both intense, highly-demanding fields. He adds, "Perfect calculations and exact craftsmanship are critical to both. They ensure passenger safety as well as the accuracy of instruments peering across the galaxy to make discoveries."

In short, Dynamic Structures creates mechanical systems and moveable structures that are highly reliable and of the highest quality.

The company is involved on all phases of a project, from concept development all the way through to installation and field support. Because of this, it has a collaborative environment where engineers and shop fabricators work together in developing solutions.

That's right; the ironworkers advise engineers at their desk and designers spend a lot of time on the shop floor with the fabricators. This cross-respect is what has kept the company successful since it was founded 101 years ago.

AND ONE OTHER THING: SAFETY.

"Nothing is more important than safety. It impacts every one of us. Opportunities for improvement are vigorously sought. In fact, the area of safety is by far our greatest ongoing project," explains Nelson. "Respect for yourself, your co-workers and your customers is what safety is all about. This isn't about safety awards and slogans. We're vigilant about removing risks and strengthening safe behaviours because we want to see our families and our co-workers even happier tomorrow than they are today. Safety keeps our team intact and keeps our customers coming back for more," states Guy Nelson.

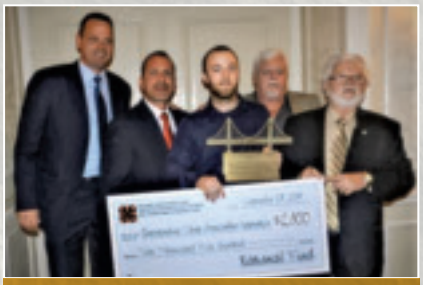
The creation of the Dynamic safety culture has been led by a dynamic leader. Dean Murphy, vice president of corporate safety, has played a critical role in the development and implementation of a program encouraging employees to want achieve performance in their productivity, quality in concert with safety.

Dynamic Structures has just reached an enviable milestone: 1.5 million work hours without a lost-time safety incident. No other company can match this record for their industry in British Columbia.

Tom O'Donnell, Business Manager, Local 712 (Vancouver, British Columbia), says, "We have enjoyed a long-standing, healthy working relationship with Dynamic; a great company providing boundless opportunity for our members to grow their skills. Management maintains a top focus on safety; our members appreciate it and their families as well."

SEEING INTO SPACE

Dynamic Structures has been awarded a contract to design the enclosure for the Thirty Meter Telescope as part of



2014 Outstanding Shop Apprentice competition, held in Toronto, Ontario: First place winner in North America; Jake Danyluk, Local 712; Eric Bohne, general organizer, shop department; John Bielak, executive director, shop department; Jake Danyluk, Local 712; Tom O'Donnell, business manager, Local 712; and Bill Mercer, business manager, Local 805.

Dynamic Structures has worked on 50 attractions over the past two decades and many are exported to China.

Dean Murphy, vice president, corporate safety, Dynamic Structures.

"Our ironworkers and shop team are amazing. Their precision and unparalleled craftsmanship are a key to Dynamic's reputation. Management and the union don't just have respect for each other, but I'd characterize it as mutual admiration," Guy Nelson, CEO, Dynamic Structures and Dynamic Attractions.

Canada's contribution to the international mega-project. When completed, it will be the largest optical telescope in the world. Dynamic Structures has been the designer and builder of choice for telescopes that are leading discoveries in astrophysics in Hawaii, the Canary Islands and Chile.

UNIQUE PEOPLE: UNIQUE ACHIEVEMENTS

The depth of experience and sharp intellectual ability of Dynamic Structures' ironworkers and engineers is the reason why the company is the leader in its field. It has a high-performance culture embracing challenging projects and engineering puzzles that lead to exceptional, real-world products—impressive achievements that employees point to with pride to friends and family. The company is also known for its ability to develop solutions for sophisticated, complex structures. The projects are often for the industrial, institutional and commercial sectors.

Dynamic Structures' core facilities are in Port Coquitlam, British Columbia and Edmonton, Alberta. These facilities employ members from Local 712 (Vancouver, British Columbia) and Local 805 (Calgary, Alberta).

Some of the company's recent awards are:

- 2017 Innovations in Technology Award
- 2016 Best New Product — International Attractions and Amusement Parks Association
- 2015 Best New Product — International Attractions and Amusement Parks Association
- 2014 Business of the Year — Tri-Cities Chamber of Commerce
- 2013 PoCo Best Biz Star Award — City of Port Coquitlam

Dynamic is the manufacturer for its sister company, Dynamic Attractions. It has helped build high-tech ride systems in North America, Asia, Europe and the Middle East. It has created 50 iconic attractions; many are ranked as the most popular rides in the world.

DYNAMIC PRODUCTS FOR DYNAMIC FUN

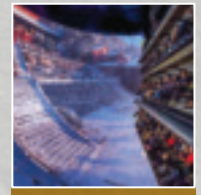
SFX Coaster—A combination roller coaster and dark ride that creates thrills through advanced track engineering and high-tech media storytelling.
Motion Theater—A massive round theater that lifts, tilts, drops and rotates while guests are surrounded by an adventure-filled story experience.
Robotic Arm Ride—The world's most technically advanced, interactive ride.
Immersive Transporter—Gripping special effects and True Off-Road Action™ transport guests on an unbelievable adventure.
Dynamic Flying Theatre—A theatre that flips up, suspending riders in air as they 'ride' a movie.

Fabricator Owen Doy grinds to prepare for a weld on a massive equalizer frame for a theme park attraction.

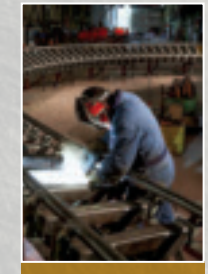
The company has built half of the world's largest telescopes and has begun work on the Thirty Meter Telescope.

DYNAMIC STRUCTURES' PROJECTS INCLUDE:

- Canada France Hawaii Telescope
- Isaac Newton Telescope
- William Herschel Telescope
- W.M. Keck Observatory
- Starfire Optical Range
- Subaru Telescope
- Gemini Twin Telescopes
- Atacama Cosmology Telescope



Dynamic's installation team has completed and opened four theatres on four continents in the past year, including one at Futuroscope near Paris, France.



Scott Adams is welding a roller coaster track for an international theme park operator.

Tom O'Donnell, business manager, Local 712; Jake Danyluk; journeyman shop fabricator, Local 712; and Jeff Norris, Canadian safety coordinator, during a visit to the Dynamic Structures' facilities located in Port Coquitlam, British Columbia.

Contractor Spotlight: Eric Lemire Enterprises Inc., Ottawa, Ontario

SUBMITTED BY ERIC LEMIRE ENTERPRISES AND JEFF NORRIS, CANADIAN SAFETY COORDINATOR

Eric Lemire, president of Eric Lemire Enterprises, and member of Local 765 (Ottawa, Ontario), became a journeyman at the age of 20 and a year later was promoted to foreman, the youngest foreman working for Raymond Steel Ltd.

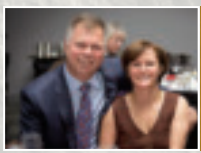
Following the closing of the Raymond Steel Structural Steel Division in 1991, Lemire saw an opportunity and started Eric Lemire Enterprises. The early 1990s were very difficult, jobs were scarce and so, he pursued any type of work to keep his company growing. Lemire's primary focus was building a positive reputation for his company in the steel industry. His efforts started to show results after a few years leading to the award of a contract to install the structural scaffolding around the Centre Block-Peace Tower at Parliament Hill in 1993. In the same year, Lemire incorporated the company. In 1997, the company was flourishing and to increase the manpower needed, he signed with the International Association of Bridge, Structural, Ornamental and Reinforcing Iron Workers Local 765 (Ottawa, Ontario). Since then, the company mantra has been, "determined to move higher," and take on challenging projects.

Lemires's team has gained extensive experience in the area of heritage building rehabilitations after working on projects such as Peace Tower, the Library of Parliament, the Canadian Museum of Nature, the National Arts Centre, and now the West Block. Always trying to be innovative by infiltrating new markets, Lemire has ventured into installing integrated architectural/structural glazing products, particularly new products like the Novum glass wall system.

Notable projects completed by Eric Lemire Enterprises Inc. include:

- Rideau Centre (shopping centre) skylight project: A $360-million redevelopment to create an open design features a massive oval skylight allowing natural light to spill down four levels from it.
- Communications Security Establishment Canada (CSEC): Canada's federal government's billion-dollar spy campus headquarters, home of best and brightest technical, linguistic, mathematics, computer science and network defence capabilities experts.
- Shaw Centre, located in downtown Ottawa: Tied for second place for the title of World's Best Convention Centre.
- Canadian Museum of Nature: A major renovation of all parts of the building, including the exhibits, began in 2004 and was completed in 2010, including a glass lantern taking the place of the original tower that was removed in 1915.

Canadian Museum of Nature.



Eric Lemire, president and Sylvie Lemire, general manager of Eric Lemire Enterprises Inc.

Eric Lemire, president, Eric Lemire Enterprises Inc. at the Peace Tower in 1993.

Peace Tower structural scaffolding system 1993.

Local 771 and Waiward at Bethune Mine

SUBMITTED BY WAIWARD STEEL LP., AMEC AND LOCAL 771 (REGINA, SASKATCHEWAN)

In September 2016, members of Local 771 (Regina, Saskatchewan) were asked to assist AMEC and Edmonton, Alberta-based company Waiward Steel LP at the Bethune Mine, in Bethune, Saskatchewan, with the removal of a heat exchanger vessel, a crystallizer vessel, the connecting steel duct work, as well as the support structure. Due to the vessels being situated inside the building, the nature of the work was extremely challenging. On Dec. 10, 2016, after continuous work on both days and nights, Local 771 completed the removal scope executing the 43,000-plus man-hours with no lost time and incident free (LTI).

Following that milestone, Local 771 was also asked to assist Waiward with the reinstallation of the structural steel and process equipment. As of Aug. 12, 2017, the ironworkers, along with other members of the building trades, had expelled 100,000 man-hours of LTI-free work, as they continue to work towards completing the re-installation package safely and on time.

FACTS & FIGURES

- Approximately 124 tonnes of new steel installed
- 200 cubic metres of grating
- CR430 Crane – 252,827 kg at 61.5m radius
- HX430 – 47.63 kg at 71m radius
- Primary crane used for heavy lifts – LR 11350
- Auxiliary crane used for general erection and support – LR 1350

The Big Lift, 1350 Ton Liebherr 11350 Crane with load capacity of 252,827 kilograms at 61.5 metre radius.

On May 2, K+S Potash Canada (KSPC) celebrated the official opening of its Bethune potash mine. The potash mine took five years and $4.1 billion in investment to complete. The first greenfield potash mine built in Saskatchewan in 40 years, it was the largest job creator in the province during its construction. Once running at full capacity, the mine is expected to produce 2 million tonnes of potash per year. Eventually, the mine will produce 2.86 million tonnes of potash per year. The first tonne of potash went out in June and by the end of 2017, production capacity is expected to reach 2 million tonnes per year.

Moncton, New Brunswick

The city of Moncton decided to replace their old Coliseum Arena built in the early 70s with a new modern flexible design allowing for the arena to host everything from sporting events to concerts to community gatherings.

Impressive heavy truss of 223 feet long and 134,000 pounds was installed at Moncton Downtown Centre.

Construction of Moncton Downtown Centre

SUBMITTED BY CARSON ROUSSEL, VICE PRESIDENT, MQM QUALITY MANUFACTURING LTD.

The city of Moncton announced in 2015 the approval of a new $105 million arena to meet the growing needs of Moncton. Various proposals were evaluated by the city and the design built from BIRD Construction Group was retained. The structure steel contract for the 250,000-square-foot facility was awarded by BIRD to MQM Quality Manufacturing Ltd.

MQM had a team of 20 ironworkers from Local 842 (Saint John, New Brunswick) on-site with peak employment at 30. The steel erection started June 20, 2016, with up to three cranes to meet the customer's fast schedule, a 50-ton boom truck, 90-ton rough terrain crane and 440-ton crawler crane. The 2,800-ton building was fully erected in 20 weeks, ahead of planned schedule. MQM's goal was to erect the structure prior the winter season to avoid downtime and weather disruption, which directly helped the other trades to complete as much work as possible before winter. The structure of this NHL-sized ice rink was delivered not only on time, but on budget as well.

"The success of this project is dedicated to our quality skilled employees and the team work of both companies, MQM and BIRD," said Serge Theriault, president of MQM.

This was a fast-paced moving job requiring highly skilled workers for delivering the job on time. MQM is proud to say the project was completed without any lost-time injuries (LTI), a result of their intensive safety program and properly trained workforce.

Established in 1993, MQM Quality Manufacturing Ltd. is a steel fabricator and erector from New Brunswick and employs over 150 ironworkers and executes projects across Canada, as well as in the U.S.

North American Steel Erectors & Local 720 Changing the Downtown Skyline in Edmonton's Ice District

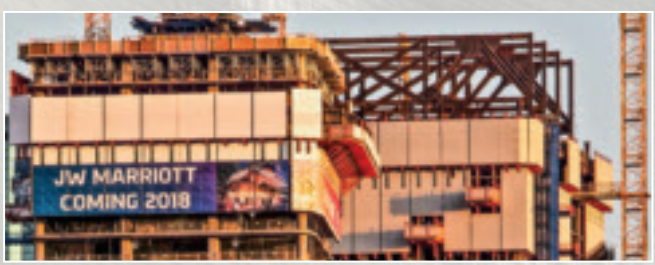
SUBMITTED BY STEEVE TOUPIN, P. ENG./PRESIDENT, NORTH AMERICAN STEEL ERECTORS

Stantec Tower is a mixed-use skyscraper currently under construction in the Ice District in downtown Edmonton, Alberta. The office area of the tower is expected to open in 2018, and the residential portion in 2019. North American Steel Erectors (NASE) was contracted for the supply and installation of the structural steel trusses at level 29 and 30 and the penthouse structure to get underway in 2018 on the 69-story tower.

Construction started in 2016 on Tower E with Supreme Group completing the steel podium for PCL, the construction manager. When originally tendered, the structural steel package designed by Stantec, had all connections of these massive trusses to be field bolted. The NASE staff and owner group, which include a few ironworkers who hold their engineering degrees, were successful in changing the intended design from welded connections to bolted connections, saving weeks on the aggressive construction schedule and allowing NASE to secure the complex contract. It was a tough assignment, but by redesigning to bolted connections, NASE saved the client 45 to 60 days from their original schedule of the install of the 1,000-ton structural steel trusses.

North American Steel Erectors would like to thank the ironworkers on the day shift and night shift for a safe and productive completion of the project.

Gerry Visneskie; Gordon Spalding; Greg Prior; Josef Gunther; Phil Mamers; Drew Allen; Eric Furletti; Steeve Toupin, P.Eng/NASE president; Chad Wegenast; Ryan Thompson; Larry Velichka; Andrew Hurley; and Russ Laurent.

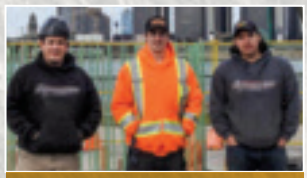


Harris Rebar and Local 700 Apprentice Rodmen Donate Time and Materials for Canada's Tallest Flagpole

SUBMITTED BY LOCAL 700 (WINDSOR, ONTARIO)

Rodman apprentices from Local 700 (Windsor, Ontario) donated their time to place the reinforcing steel for the base of the tallest flagpole in Canada. The flagpole stands over 45 metres high (150 feet) and was erected in celebration for Canada's 150th birthday. The four apprentices and instructor/President Rob Schaafsma battled high winds and subzero temperatures along the Detroit River in February. The project was very expensive and many community members came through to donate time or materials to complete the project. Harris Rebar of Windsor, Ontario, donated the epoxy coated reinforcing steel and the apprentices of Local 700 placed it.

Apprentices Antonio Sands, Liam Riley, Riley Sisco, Pat Clare and Instructor Rob Schaafsma.



Antonio Sands, Riley Sisco and Liam Riley with the Detroit skyline in the background.

Canada's tallest flagpole erected in Windsor, Ontario for Canada's 150th Birthday with a view of Detroit.

Walters & Ironworkers from Local 721 Build an Office Tower on Top of an Existing Office Tower in Downtown Toronto

SUBMITTED BY WALTERS GROUP INC.

An existing 18-story office tower at 480 University Avenue in downtown Toronto was uniquely expanded to 55 stories to create residential and commercial space in one of the densest areas in Toronto. The project was completed safely, on time and on budget with full credit given to the highly skilled ironworkers of Local 721 (Toronto, Ontario) and the Walters management team.

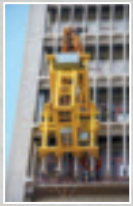
OVERCOMING THE CHALLENGES

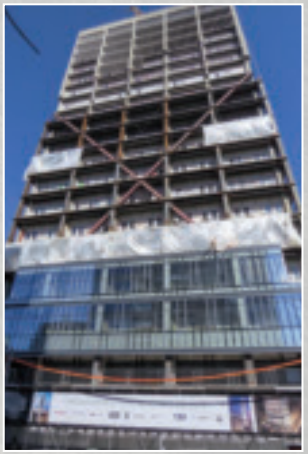
To help remove the curtain wall, Walters developed a custom jig apparatus specifically designed to remove sections of the wall face. The device engages the curtain wall and releases sections that can then be lowered down. The work was particularly crucial given the high profile, high pedestrian traffic location of the building – safety, and the perception of safety were both exceptionally important to this job. The exoskeleton must deal with the existing geometry of an older building, the new steel structure is going to shift and move differently from the current tower. These differences need to be planned and accounted for in order to support the new stories on top.

See Rick Mercer visiting the ironworkers on site:
youtube.com/watch?v=UmY82f1biHM

Walters crew and management team at the topping out ceremony.

The 37 floors were erected to expand the existing 18-story office tower to 55 stories.





FACTS & FIGURES:

- 3,400 tons of steel heavy plate column structure
- Removal of concrete superstructure from existing building frame
- Existing curtain wall removal
- Installation of structural steel exoskeletal structure to support further building and development
- Ironworkers employed by Walters: 18 from Local 721
- Number of man-hours: 24,308
- Awards received: CISC Award of Engineering Excellence

Awarding Winning Parade Float–Local 720 (Edmonton, Alberta)

SUBMITTED BY LOCAL 720 MEMBER COLIN KERIK AND DCWC REPRESENTATIVE JEFF NORRIS

A DREAM, A PLAN AND A REALITY.

Local 720 (Edmonton, Alberta) members' vision to encompass the pride of being a union ironworker into a moving footprint 110-feet by 20-feet was brought into reality through a unique parade float. The first-time entry was showcased into Edmonton's K-Days, an annual 10-day exhibition held in July attracting between 700,000 and 800,000 visitors each year. Taking over 500 volunteer hours to complete, the effort paid off, winning the Mayor's Award for Best Overall Entry out of 110 entries. Not to mention, all the great fun and interaction between the thousands of parade-goers attending, including many members of the local. Congrats goes to Local 720's float design/erection team - Nick Denys, Colin Kerik, Tyrone Kerr, John-Henry Marshall, Jeff Savoie, Thorpe Stanford and Chad Wegenast.

Local 720 members proudly pose with their award-winning parade float: Greg Amberson, Jesse Amberson, Jason Bowie, Dmytro Brozhyk, Kenny Bryant, Barry Chambers, Marvin Chitrinia, Shawn Colley, Doug Dakers, Robert Fey, Jamie Fischer, Kevin Gagne, Tyler Gagnon, Emile Gardippe, Brian Gibson, Steve Hogan, Henry Hughes, Brian Ivers, Tom Jacober, Deryk Jones, Colin Kerik, Sami Krozi, Jacques Lapalme, Tom Lavoie, Len Legault, Rob Letendre, Peter London, Rick Manegre, John-Henry Marshall, Clayton Molloy, Tina Pete, Al Pilon, Jacob Reed, Michelle Roline, Chris Savard, Jeff Savoie, Rod South, Colt Spearing, Thorpe Standford, Bernie Stuchenko, Nathan Stuchenko, Mark Thompson, Joe Vigneron, Chad Wegenast and Les Zeise.

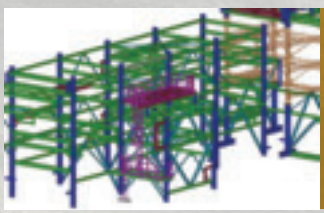
2017 K-Days Parade Mayor's Award for Best Overall Entry.

Steel Day in Supreme Style

Supreme Group, the largest privately-owned steel construction company in Canada, hosted a Steel Day tour event on Sept. 15, 2017. Attendees, numbered at 77, included engineering and technology students, general contractors, end-user clients, vendors and union representatives. The tour commenced with an introduction to Supreme Steel and the steel industry with a video highlighting the company's involvement in the making of the Amazon Spheres, an iconic structure transforming Seattle, Washington's urban core. The presentation led into a Building Information Modelling (BIM) demonstration and finished with a detailed shop facility tour.

As work on a large bridge girder project bustled on the shop floor, Local 805 (Calgary, Alberta) members were available to answer questions and demonstrate the technological side of the steel fabrication process. Throughout the various sub-shops, Local 805 members worked on project tasks using a variety of tools and equipment including automated welding, plasma processing, multispindle drill lines and other angle/detail machines. The Edmonton, Alberta-based company features a 106,000-square-foot shop fabrication facility and a 35-acre yard; the largest of their eight structural shops located across Canada and the United States that together make up 550,000 square feet with a combined fabrication capacity of 176,000 tons per year.

External vendors included NCSG Crane & Heavy Haul Services showcasing a 200-ton Liebherr all-terrain crane, Lincoln Electric demonstrating the VRTEX 360 virtual welding trainer and Building Point displaying technological advancement in virtual space.

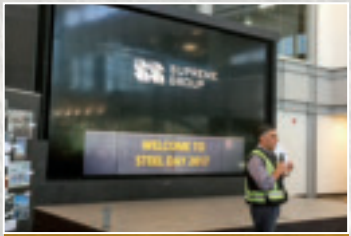


Building Information Modelling (BIM)

Once the BIM virtual model is developed, the information is transferred to manufacturing equipment electronically, ensuring what is fabricated matches the virtual model. Computer Numerical Controlled (CNC) machines allow Local 805 members to work faster and more efficiently.

Local 805 member at Supreme Steel's Acheson, Alberta facility.

Supreme Steel Edmonton headquarters atrium.



Dean Arnal, vice president, Supreme Group LP, welcomes attendees to Steel Day.

Ken Bird, director of fabrication services and Todd Collister, director of client services, Supreme Group LP, lead a group tour.

Local 764 Says Goodbye to the Hebron Project: A Castle in the Sea

SUBMITTED BY LOCAL 764 (ST. JOHN'S, NEWFOUNDLAND)

June 2017 saw the tow-out of the completed Hebron Gravity Base Structure (GBS) to the Grand Banks; a 10-day trip, 350 kilometres southeast of St. John's, Newfoundland. Over a seven-year period, the $14 billion mega-project employed in excess of 1,200-plus reinforcing and structural ironworkers and welders from Local 764 (St. John's, Newfoundland) and all across Canada for a total of 2,448,138 hours worked.

Think of Hebron as a concrete island floating in the water. Hebron is a world-class mega-project with a chosen gravity base structure to delineate resources 300 miles offshore Newfoundland, in a place known for icebergs and harsh weather. The Hebron GBS was designed for an oil production rate of 150,000 barrels per day with an estimated 30-year life span.

Construction of the foundation of the Hebron GBS began in the dry dock at Bull Arm in October 2012. The GBS was floated to the deep water site in July 2014 for continued construction. First oil is expected in late 2017.

Undeniably one of the highest safety records in the world, the Hebron project boasts a safety record of 40 million hours in the province, without any lost-time injuries. That's truly incredible for a project of this size and scale and, as recognition of great HSSE achievement, the Hebron GSB project received the 2015 ExxonMobil Development Company (EMDC) SSH&E Award. At its peak, the Hebron project employed over 7,000 people, with over 5,000 at the Bull Arm site.

The Hebron project owners consisted of ExxonMobil Canada Properties, Chevron Canada Limited, Suncor Energy Inc., Statoil Canada Ltd., and the Newfoundland and Labrador provincial energy company, Nalcor Energy — Oil and Gas Inc.

GRAVITY BASED STRUCTURE KEY QUANTITIES (APPROXIMATE)

- Height of GBS — 120 metres
- Diameter of GBS base — 130 metres
- Shaft diameter — 35 metres
- Concrete volume — 132,000 cubic metres
- Rebar — (density 300 kg/m3) approximately 40,000 tonnes
- Post-tensioning steel — 3,400 tonnes
- Steel skirts — 400 tonnes
- Mechanical outfitting – 8,000 tonnes (piping systems and structural steel)
- Well slots — 52

TOPSIDES KEY METRICS (APPROXIMATE)

- Length of topsides — 158 metres
- Width of topsides — 70 metres (excluding helideck)
- Height of topsides — 110 metres
- Topsides operating weight — 65,000 tonnes
- Crude oil production — 150,000 barrels/day (at peak)
- Water production — 200-350 thousands of barrels/day (kbd)
- Water injection — 270-470 thousands of barrels/day (kbd)
- Gas handling — 215-300 million standard cubic feet/day
- Accommodations — Persons On Board (POB) – 220

5,142 kilometres or 3,195 miles of rebar was used; if placed end to end it would go from Newfoundland to Vancouver Island and back, one-third of the way

Supreme Group and Local 771 – Bridging to Tomorrow Project

SUBMITTED BY SUPREME GROUP AND LOCAL 771 (REGINA, SASKATCHEWAN)

Supreme Steel Saskatoon, Supreme Steel Bridge (Edmonton) and Local 771 (Regina, Saskatchewan) teamed up for the Bridging to Tomorrow project in Saskatoon, Saskatchewan, which includes the construction of the North Commuter Parkway, replacement of the Traffic Bridge, and accompanying roadways. Both bridges and surrounding road infrastructure are on budget and on time for completion in October 2018. Graham Commuter Partners won the $497.7-million contract to build both bridges and maintain the structures for 30 years as part of the public-private partnership (P3) mega-project.

Supreme Steel Bridge (Edmonton) was the fabricator for the six-lane North Commuter Parkway and Supreme Steel Saskatoon was the erector. The parkway will connect Saskatoon's Marquis Industrial Area to neighbourhoods on the east side and also accommodate pedestrians and cyclists.

The original Traffic Bridge opened 110 years ago in 1907. Five generations later, Supreme Steel Saskatoon and a combined total of 30-plus Shop Local 838 (Regina, Saskatchewan) and Local 771 ironworkers fabricate and erect an "almost duplicate with new one." The new Traffic Bridge looks similar to the old Traffic Bridge, but is slightly wider and taller in order to accommodate wider traffic lanes, has four spans instead of five, wider pathways on both sides, and overhead clearance for emergency vehicles. Once complete, it will once again serve as a convenient link for drivers, pedestrians and cyclists crossing the South Saskatchewan River.

David Fritz, director of project solutions, Supreme Group LP; Local 771 ironworkers Marek Kilanowski, Lawrence Sylvester, Nathan Edwards, Wade Enns, Sean "Lucky" Cummins (Operating Engineers), Lawrence Nahorniak, Paul MacDonald, Dwayne Richels, Randy Toye, Matthew Danylyshen, Tom Ghaney, Jesse Kemp and Martin Alberts.

Erecting the Traffic Bridge in 1907.

Supreme Steel Group Saskatoon reconstructing the Traffic Bridge in 2017.

110-year time lapse of construction on the Traffic Bridge in Saskatoon.

North Commuter Parkway

CUSTOMIZED GIFT ITEMS AND APPAREL CREATED EXCLUSIVELY FOR MEMBERS OF THE

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Moisture-Management Polos
100% polyester polos with sleeve embroidery. Available in grey and black .
(S-XL)$32 (2XL)$34 (3XL)$36 (4XL)$38

2. **Fleece Pullover**
Black fleece pullover with 1/4 zip collar and left sleeve embroidery.
(S-XL)$38 (2XL)$39 (3XL)$41 (4XL)$43

3. **Denim Shirt**
100% cotton washed long sleeve denim shirt with button-down collar. Ironworkers "Elvis" logo embroidery above pocket.
(S-XL)$34 (2XL)$36 (3XL)$38 (4XL)$39

4. **Long-Sleeve T-Shirt**
Black 100% cotton long-sleeve tee with Ironworkers seal on chest and "Union Ironworkers" on left sleeve.
(M-XL)$16 (2XL)$18 (3XL)$20 (4XL)$22

5. **Quilt Lined Vest**
12oz. 100% cotton duck vest with 2 side pockets and 8 oz. quilted lining. Ironworkers "Elvis" logo embroidery on left chest. (S-XL)$43.50 (2XL)$48 (3XL)$51 (4XL)$54

6. **Ash Gray T-Shirt**
100% cotton 5.4 oz. short sleeve with pocket. Has 2-location imprint on front left pocket & full back. (S-XL)$13 (2XL)$14 (3XL)$15 (4XL)$16

7. **Leather Varsity Jacket**
Black varsity jacket with top grade leather sleeves. Two leather trim slash pockets, two flat covered pockets, quilt lining and inside pockets. Ironworkers embroidery on left chest.(S-XL)$175 (2XL)$190 (3XL)$200 (4XL)$210 **OPTIONAL:** full color seal embroidery on back: ADD $25

8. **Hooded Sweatshirt**
Ash Gray, 12.5 oz. fleece sweatshirt with hood and side pockets. Full zip front with 1-color left chest & full color back imprint.
(S-XL)$45 (2XL)$47 (3XL)$49 (4XL)$51

9. **Lightweight Jacket**
Lightweight voyager jacket with laundered polyester/cotton poplin outer shell, nylon taffeta lining, and "Union Iron Workers" embroidery on left chest.
(S-XL)$55 (2XL)$59 (3XL)$61 (4XL)$64

10. **NEW ITEM**
Wind Shirts Black & Stone
(S-XL)$55 (2XL)$57 (3XL)$59 (4XL)$62

11. **Cap**
Cotton cap with velcro closure. Choose from 2 different logos. (Please list in description) $15

12. **NEW ITEM**
Cap Black Mesh Cap $18.50

13. **Lockback Knife**
5" lockback with leather carrying pouch. Logo on pouch & engraving on knife handle. $49

14. **Belt Buckle**
Polished brass belt buckle with Ironworkers logo emblem.
3-3/4"X 2-1/4" $30

15. **Ironworker Seal Lapel Pin**
Baked enamel Ironworkers seal lapelpin in clear box. $3.50

16. **NEW ITEM**
IW Lapel Pin
$5.00 each

17. **NEW ITEM**
IW Tie Tack
$5.50 each

18.

19. **Men's Rings**
The men's rings are available in 10k gold, 14k gold, silver ($220) and alpha.

20. **NEW ITEM**
IW Money Clip
Titanium Money clip with IW Seal Lasered on front. $12.50

Two-Toned Crystal Watch
Two-toned scratch-resistant sapphire crystal watch. Includes stainless steal, adjustable band and case, and is weather resistant to 330 ft. Men's - $175

21. **NEW ITEM**
Men's Expansion Watch
$95.00 each

CLEARANCE

22. **Moisture Management Polo Shirts**
Black and White Jazz
(S-XL)$30 (2XL)$32 (3XL)$34 (4XL)$36

23. **Two-Toned Crystal Watch (ladies)**
$175

24. **Cap**
$13.50

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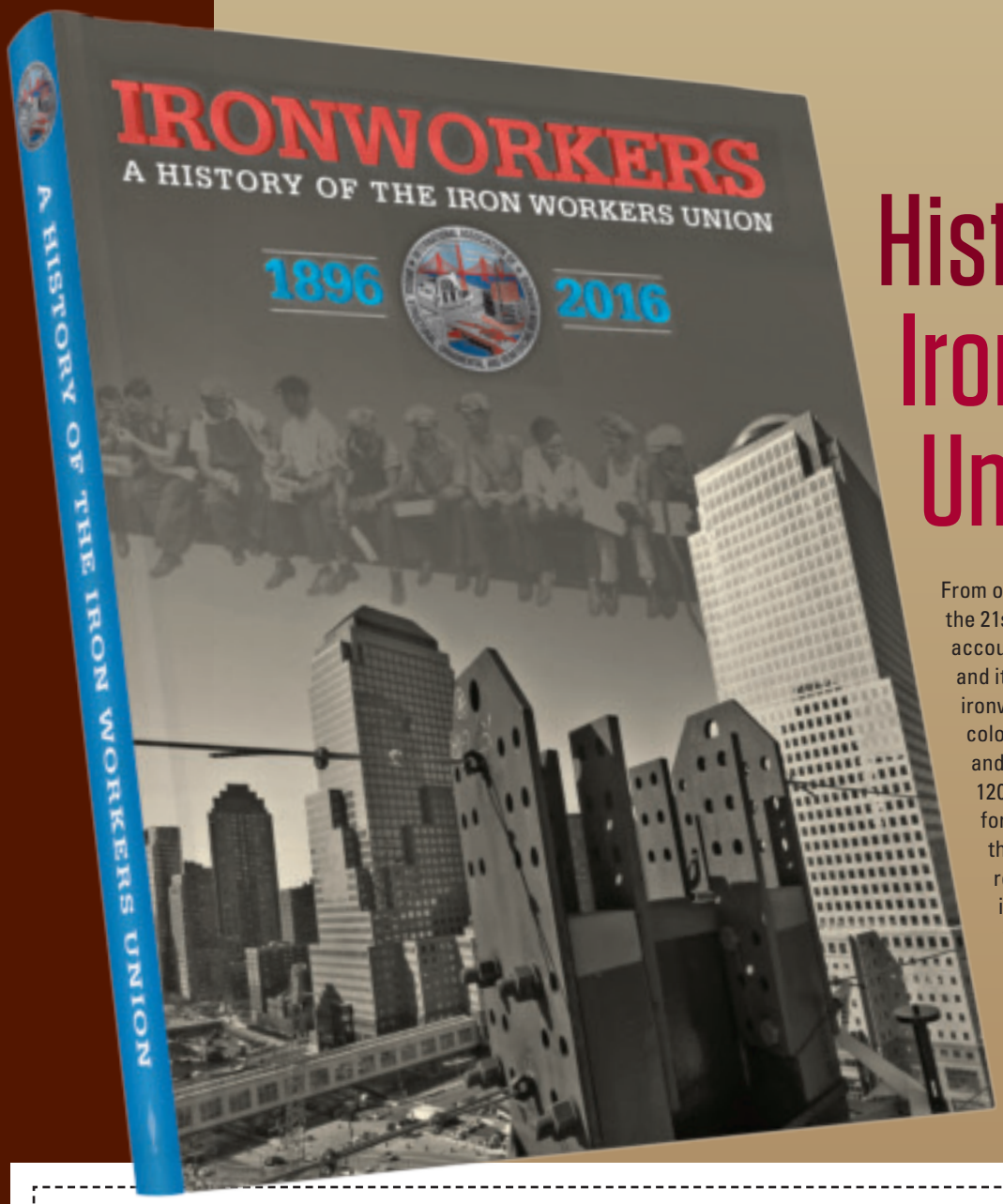

History of the Iron Workers Union

From our founding in 1896 into the 21st Century, this revised, complete account of the Iron Workers International and its members is a must for every ironworker. It is over 420 pages in full color, with over 1,000 photos, illustrations and historical memorabilia from the last 120 years of our great union. A must for every ironworker's family library, they make great gifts for apprentices, retirees and anyone with an interest in our proud history and how we came to be what we are today.

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I Know Your Story

By Dave Baker, Business Manager, Local 44 (Cincinnati)

I started my career in ironworking building pre-engineered metal buildings for a small non-signatory contractor. I had never heard of the Iron Workers Union and knew absolutely nothing about the benefits of being a member. It wasn't until four years in the industry, I learned about the union. It was 15 years later and I became a district council organizer, and two years later I became the business agent for Local 44 (Cincinnati).

The reason I feel all this is relevant is because I strongly believe this is the story of many nonunion ironworkers. I have spent the last several years organizing members into Local 44 from the nonsignatory contractors and most of them had no clue how to get into the union. Most of the workers we have spoken with felt it was impossible to get in the union and many felt if they did get in, they would be treated differently because of their background.

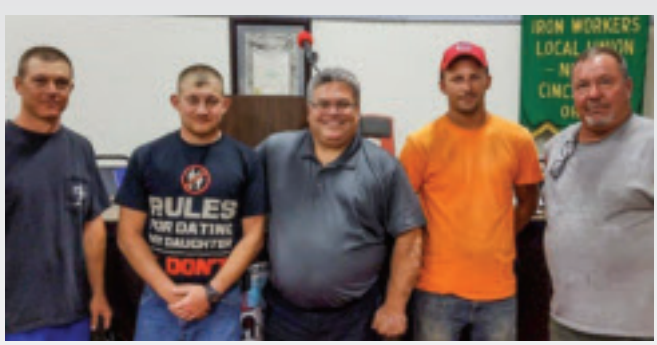
Tyler Frazier, organizer, August 2016.

In 2014, the membership of Local 44 had fallen from 738 to 623 and only 350 of them were active journeymen. The apprenticeship had only seven people in it and there were 19 probationary members. These were all-time lows for the local. The reserves were down to $497,000 and we were on the verge of losing our charter.

Business Manager Larry Oberding and I knew we had to get the membership numbers back up and we had to do it fast. We immediately started doing outreach to nonunion workers all over the area and began signing up new members with the help of the district council organizing department. Within a year we had managed to put 75 more people on and this influx of assessments helped to get the reserves heading upward. Larry had also managed to cut a lot of items from the budget and this helped us to save money monthly as well.

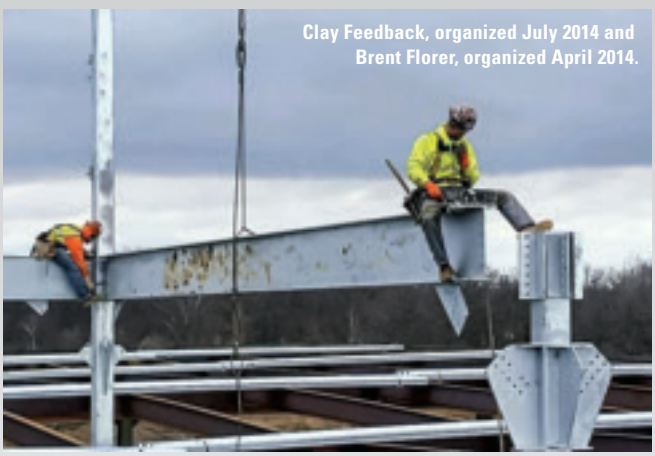
It has now been 3½ years later and I now write this as the new business manager of Local 44. It is tough to get a good gauge on the exact numbers of organized members because we were merged with Local 372 in January 2017. What I can say is we now have 988 members with 465 of them being journeyman. The apprenticeship now has 103 people and there are 73 probationary members. We also have 25 trainees. This puts our total active membership at 654 members, which is higher than our total membership was just three years ago.

Business Agent Jarrod Tiemeier; Paul Vincent, organized August 2016; Dale Prater, organized July 2014; Michael Warren, organized February 2017; Brent Florer, organized April 2014; and Business Manager Dave Baker.



Josh Davis, organized October 2014; David Johnson, organized August 2016; Business Manager Dave Baker; Paul Vincent, organized August 2016; and Mike Davis, organized October 2014.

We have managed to bring the reserves up to over $3 million and we paid off the building we had been paying on since 2009. The number of certified welders has doubled and is climbing every month. We have been able to drop the assessment rate to 5 percent requiring less in contributions from the individual member. The pay



Clay Feedback, organized July 2014 and Brent Florer, organized April 2014.

scale has seen an uptick as well, but of course not as fast as the members would like.

We have had about a 75 percent success rate with these newly organized members and the older members have come to make these workers feel at home within the local. Many of the organized members show up at the monthly meetings and some have even stepped into roles as foreman and lead men at the companies they are working for. It goes to show there is a ton of talented ironworkers out there we just have to find them and sign them.

The district council organizers are actively involved in several campaigns and have helped to bring in many workers who never would have come through the door. As a result, we have seen a reduction in the work being lost to non-signatory competitors and the word is spreading about how to get organized into the union. The Ironjobs website has also helped to recruit workers as well.

Paul Vincent, organized August 2016.

I am forever grateful to George Kratzer and Bernie Evers for showing me the true value of what organizing can do. It truly is the one and only way for us to grow and continue to survive in this industry. I can only imagine the true power and strength we would have if we could organize the other 80 percent of ironworkers out there. This work is far from over and we truly have only just begun.

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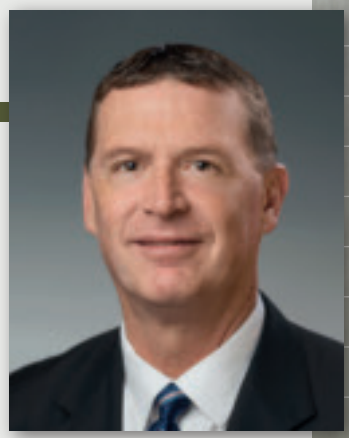


National Fund and Metal Building Committee Develop Metal Building Curriculum

The National Training Fund (NTF) working with the Iron Workers Metal Building Committee (IWMBC) has developed a metal building apprenticeship curriculum, a direct result of other organizations in the metal building industry developing approved national guideline standards for the assembler of metal building apprenticeship. Since this is a vital part of our industry, it is imperative we, as an organization, develop training curriculum that will keep union ironworkers at the forefront of the metal building industry. We are currently working with the Department of Labor (DOL) to get our curriculum approved as a registered apprenticeship program with the government. Once the program is approved by the DOL, it will enable ironworkers to be more competitive in the metal building market.

The IWMBC asked the NTF to develop a training program giving our members the specialized training and skills needed to be competitive in the metal building market. The curriculum was developed with input from the IWMBC, the NTF and leaders from across the metal building industry. In developing the program, it was imperative to design it to incorporate both existing courses in the Iron Workers International's (IW) core training programs and add new courses to gain additional skills needed by the ironworker. Most of the topics such as welding, safety and structural steel are part of the existing core courses offered at local ironworker training centers.

By using the existing NTF classes, it will:

- Allow ironworker metal building erectors who complete the program the opportunity to upgrade to journeyman ironworker (JIW) when the opportunity arises, without taking repetitive courses.
- Enable the local's joint apprenticeship committee to easily evaluate the metal building assembler and slot them into a JIW program.
- Enable the local to start training in the metal building curriculum without having to hire and train new instructors to teach classes.
- Allow the local training center to slot metal building students into classes currently offered at the training center.

The NTF partnered with NCI Building Group, a group of leading metal building manufacturers, to offer in-depth classes in standing seam roof installation and insulated metal building panels. These two courses will be added to the National Fund's core courses, and enable the IW to gain more work opportunities for its members.

"The National Training Fund (NTF) working with the Iron Workers Metal Building Committee (IWMBC) has developed a metal building apprenticeship curriculum, a direct result of other organizations in the metal building industry developing approved national guideline standards for the assembler of metal building apprenticeship."

IW representative of the metal building department and St. Louis and Vicinity District Council President Dave Beard stated, "The metal building industry is currently the largest growth opportunity for our organization. Last year the Metal Building Manufacturers Association (MBMA) reported the fabrication and shipment over 1.1 million tons of metal buildings, equating to 300 million square feet and 51 percent of the total low-rise, nonresidential buildings constructed last year.

"For the IW to achieve maximum participation in the industry, we have to ensure we can supply our contractors with a well-trained and knowledgeable workforce and take full advantage of the vast organizing opportunities that are available. Apprenticeship training has always been a successful avenue for the ironworker. The metal building apprenticeship is just another avenue for success."

A Look Back at 2017 Safety Initiatives and Achievements

The safety and health department would like to thank all local unions, members, contractors and contractor associations for their efforts to achieve many safety accomplishments in 2017. The Iron Workers International's (IW) 2017 ZERO Incident campaign commissioned by General President Eric Dean pursued many initiatives to increase safety performance and prevent workplace incidents. The following are some of the highlights that demonstrate the cooperative efforts of all parties to produce the 2017 results.

California OSHA Adopts New Reinforcing Steel Standards

Effective Jan. 1, 2018, California OSHA will adopt comprehensive reinforcing steel and post-tensioning standard. A public hearing was convened by the California Occupational Safety and Health Standards Board to obtain industry stakeholder testimony for adopting new safety standards pertaining to reinforcing steel and post-tensioning operations. Don Zampa, president of the District Council of Iron Workers of the State of California and Vicinity, arranged for local union representatives and contractors to provide testimony before members of the California OSHA Standards Board. California is the first state-approved OSHA plan to work with our organization to pursue new safety standards. The safety and health department will be working with other district councils throughout the United States in 2018 to pursue the same safety standards with state-OSHA plans in their jurisdiction.

Labor and management representatives testify in support of new standards

Representatives from the IW, reinforcing steel contractors and industry associations participated in the public hearing and provided testimony. Special thanks to the reinforcing steel stakeholders, including the IW, Ironworker Management Progressive Action Cooperative Trust (IMPACT), National Association of Reinforcing Steel Contractors, Concrete Reinforcing Steel Institute, Post Tensioning Institute, Western Steel Council, Department of Reinforcing Ironworkers Advisory Committee and the Center for Construction Research and Training.

Key Safety Provisions Pertaining to Proposed Reinforcing Steel and Post-Tensioning Standards

1. Requirements for safe jobsite access and layout of reinforcing material and equipment
2. Written notifications before commencement of reinforcing steel activities
3. Stability requirements for vertical and horizontal columns, walls and other reinforcing assemblies
4. Requirements for impalement protection and custody of impalement covers
5. Requirements for hoisting and rigging reinforcement assemblies
6. Requirements for post-tensioning activities
7. Fall protection requirements
8. Requirements for formwork and false work stability
9. Training requirements

Ironworker Safety Director Training Course

The Ironworker Safety Director Training course (IWSDTC) is one of the programs designed to raise the standard of safety performance of ironworkers. The course was provided to 392 members and contractor safety personnel throughout the United States and Canada. The three-day, 30-hour courses were held in Ann Arbor, Michigan; Houston; San Diego; Toronto, Ontario; Philadelphia; and Detroit.

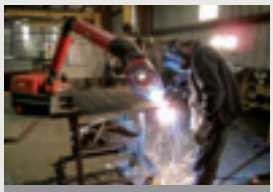
The course is designed to provide a new skill set to our members with field experience and skill and as a result, several members have been employed by contractors and owners. Assuming the role of a corporate safety director and managing safety programs for several projects requires some additional basic training and new skill sets. Several fundamental safety

and health tasks must be routinely implemented to help recognize and avoid workplace hazards. Many safety responsibilities in the workplace are set forth by federal, state, local and contractual standards and requirements. The IWSDTC is offered at no charge to members or contractors who elect to sponsor an ironworker or employee to complete. Special thanks to the Local 84 (Houston)/Local 135 (Galveston, Tex.), Local 229 (San Diego), Local 401 (Philadelphia) and Local 25 (Detroit) training facilities for allowing us to utilize their classrooms and facilities.

Instructors and courses

Voluntary Air-Sampling Program

The program is focused on identifying and preventing health hazards in the shop and field. The IMPACT board of trustees approved funding for the safety and health department to establish a voluntary industrial hygiene air-sampling program to all signatory shop and field contractors.



Protecting shop members during welding operations.

The voluntary outreach program is designed to provide professional industrial hygiene services to help evaluate harmful exposures of welding fumes, metals, paints, solvents and other chemical compounds that become airborne during common shop and field operations.

Goals of the Voluntary Air-Sampling Program

- Identification of potential airborne exposures
- Evaluation of the intensity and variability of airborne exposures
- Assessment of the potential risks
- Prioritization and control of exposures
- Identification of exposures for which additional information is needed
- Documentation of exposures and control efforts
- Maintenance of a historical record of exposures

The safety and health department would like to thank all local unions, members, contractors and contractor associations for their efforts to achieve many safety accomplishments in 2017.

Jeff Norris, Canadian safety coordinator and district council representative of western Canada.

Vicki O'Leary, district representative for safety and diversity.

The 2017 ZERO Incident campaign was supported by the safety and health department staff who provided services to our members and contractors through the efforts of Jeff Norris, Vicki O'Leary and Christie Rose. The 2017 ZERO Incident campaign will continue in 2018 and challenge all members to "See Something! Say Something!" to recognize and avoid workplace health hazards. Jeff Norris, Vicki O'Leary and I will continue to work with district councils, local unions, and IMPACT regional advisory boards to address workplace safety and health issues. Please contact me in the safety and health department at (847) 795-1710, Jeff Norris, Canadian safety coordinator at (780) 459-4498, or Vicki O'Leary, district representative of safety and diversity at (202) 702-7828, if you have any questions pertaining to safety and health matters.

Winter Training Program in Henderson, NV

Date	Course
Jan. 22–26	**Construction Contracting Business Fundamentals Academy Track 1: Establish Your Business:** This course is designed for current and future contractors who desire to develop fundamental business skills. Length: 5 days. Instructors: IMPACT Consultants
Jan. 22–26	**Advanced Layout and Total Station:** Use drawings and apply principles of trigonometry and the cartesian coordinate system to program and operate a total station. Length: 5 days. Instructors: Jason Corder and Leica Representatives.
Jan. 22–24	**Superintendent Training for Ironworkers – Level 2:** Learn the roles and responsibilities of the superintendent and how to manage project schedules, information, people, the job site, and safety. Length: 3 days. Instructors: Mike Relyin and Joe Werbeck.
Jan. 22–23	**Project Leadership and Project Management:** This course focuses on how to provide both project leadership and project management. Explore the differences between Project Witnesses and Project Leaders and how contractors can foster these behaviors within their Project Managers to build best-in-class performance. Length: 2 days. Instructor: FMI
Jan. 24	**Win More Work:** Negotiating Strategies to Boost Market Share: Learn effective ways to negotiate with customers to increase sales and opportunities that result in win-win situations for all involved. Length: 1 day. Instructor: FMI.
Jan. 25–26	**Improving Communication Skills:** Learn communication techniques that will enhance communications skills and improve communication among all parties. Length: 2 days. Instructor: FMI
Jan. 25	**Bluebeam Revu Basics for Windows and iPads:** Organize, mark up, edit and track comments in a PDF drawing set using a Windows computer or iPad. Manage documents using Studio Projects, collaborate in real time using Studio Sessions, and learn how Revu can help you organize and manage documents. Length: 1 day. Instructor: Bluebeam
Jan. 26	**Measurements and Takeoffs Using Bluebeam Revu for Windows:** Use Revu's built-in measurement tools for takeoffs. Learn how to export data for estimation and perform efficient takeoff workflows using new measurement features in Revu eXtreme 2017. Participate in a demonstration of Steel Estimating Solutions' Steel Erection Bid Wizard. Length: 1 day. Instructor: Bluebeam
Register — *impact-net.org/forms/MeetingCalendar/*	

Northwest Steel Erection and Local 67 Partner to Maintain a Skilled Workforce

Northwest Steel Erection in Grimes, Iowa, with Local 67 (Des Moines, Iowa), shut down all operations on October 13 to dedicate the day to journeymen upgrade training. All 130 participants were paid full wages for the eight-hour training from 7 a.m. to 3:30 p.m. In the past four years, Northwest Steel Erection has made it an annual tradition to close the company for a day to train, upgrade and certify its journeymen ironworkers and all operators.

Creating a Culture of Safety

Shaun O'Tool, president and owner of Northwest Steel Erection, considers the financial setback from shutting down all jobs for a day an investment in the company and its workforce. "It's about creating a culture of safety among our workers and team work with the local," said O'Tool. "We want them to know that it's not just lip service when we talk about the importance of safety and achieving zero incidents. Over 90 percent of the incidents occur during daily routine tasks. Workers get too comfortable. That's why it's important to make safety part of our company culture."

O'Tool believes the hefty price tag from lost time while keeping ironworkers on the payroll is nothing compared to the benefits in the long run. Cost from delays due to incidents can be much greater than the price of training a safe and skilled workforce.

Supporting the Workforce

Northwest Steel Erection's refreshing training initiative is effective in keeping the workforce up to date on training and ensuring a job-ready, highly skilled workforce at any given time. It relieves the employees' financial burden as they don't have to lose a paycheck for the time spent in training. It's an incentive for them to keep up with their training upgrades in a timely manner.

On average, most journeymen ironworkers work eight to 12 hours a day and six days a week. Northwest Steel Erection's initiative allows them to have some work-life balance. "Our approach to training upgrades keeps ironworkers from having to take time away from their families to train at night. They don't have to lose a paycheck to upgrade their training or spend their limited time

off work on training away from their families," said Joe Durby, apprenticeship coordinator at Local 67. "This way, our workforce is recharged and ready to work safe every day instead of working every day and training all night to keep up with certifications and feeling drained."

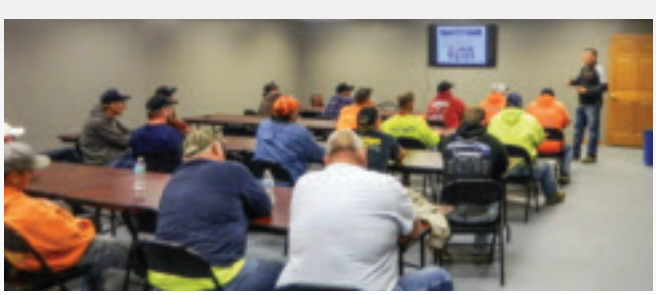
Comprehensive Training for a Skilled Workforce

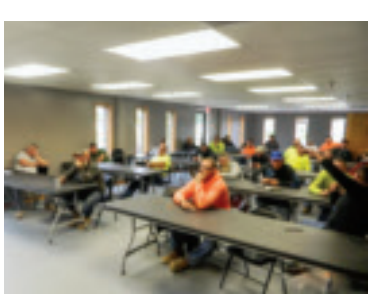
Northwest Steel Erection's progressive approach to training keeps the company and its workforce competitive in the market. Timely training and upgrades allow ironworkers to be employed on a wide range of diverse projects at any given time.

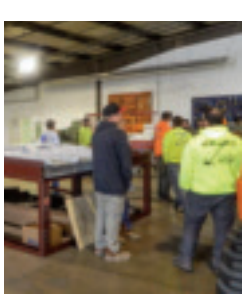
In the competitive market today, customers and employers are demanding frequent training in every capacity. Local 67 offers its ironworkers constant training upgrades – even though some of the training certifications do not expire – as some contractors require them to be recertified every three years. "We offered an OSHA 30 upgrade last winter and it was some participants' third time getting certified. Taking a 30-hour course 3 times is a 90-hour commitment away from work and family, just to stay competitive in the market," said Durby. "To give our guys an opportunity like this to get their upgrades and certifications done in a day while earning wages is huge!" he added.

Northwest Steel Erection and Local 67 offered the following journeymen training upgrades including OSHA safety training:

- OSHA training covering daily hazards ironworkers may encounter and ways to avoid them. For example, they learned about proper storage and maintenance of oxygen acetylene cutting carts and bottles. Though the one-day training initiative didn't include OSHA 10 and OSHA 30 courses due to time constrains, the OSHA class covered all the important safety topics associated with daily hazards facing ironworkers.
- Company specific training including but not limited to Job Hazard Analysis (JHAs); recent injuries and how to prevent them; proper means and methods of reporting an injury; proper maintenance and handling of hand and power tools; and OSHA-mandated minimum standards for Personal Protective Equipment (PPE).
- Superintendent, foreman and leadership training with topics of management types, skills and methods; timecards, input and reporting; methods of conducting daily and weekly meetings; planning for production, scheduling, inspections and deliveries; and how to effectively prepare for safety and production inspections.
- JLG and scissor lift certification in partnership with local vendor, Duke Aerial. Topics covered included proper ways to tie off, overhead hazards and safety precautions for operating various machines and inspection sheets.
- Hilti certification on powder actuated deck nail guns. The class covered the proper use, maintenance and cleaning of the guns as well as the newest and safest drilling methods in compliance with new OSHA Silica standards including hammer drills with vacuum attachments to eliminate ingestion of toxic substance.
- Welding certifications including E7018.







Cutting Edge Training with State-of-the-Art Equipment

Local 67's training center is furnished with state-of-the-art equipment and latest technology to provide cutting edge training for its members. It is outfitted with structural rebar, metal building, handrail, stairwell, building, scaffolding, curtain wall and window wall mock-ups. Structural rebar mock-up allows ironworkers to learn to build from ground up. The rebar mock-up simulating a deck on a structure with a grade beam connecting to the foundation allows them to get hands-on experience with decking. They learn how to lay the deck, set columns and beams, tie columns with rebar beams that run into a mat and a vertical wall. They learn safety practices such as the importance of tying off and proper method of tying off on a rebar wall.

Handrail mock-up is used to teach how to weld handrails. Using a stairwell mock-up, ironworkers learn how to install the handrail and bolt/lag it into a wall. Metal building mock-up is used to teach apprentices and journeymen how to install sheeting, girts, purlins, roofing, beams, etc. Ironworkers learn to assemble and disassemble the building mock-up, allowing them to experience all aspects of metal building firsthand. They learn how to assemble and disassemble the scaffolding mock-up. Tube and coupler shoring scaffold is used to show members how to install shoring scaffold with needle beams.

The training center was recently upgraded to a Certified Welding Inspector (CWI) testing lab, allowing it to issue all welding certifications in-house by the end of the year. The CWI testing lab is complete with a band saw and plasma arc cutter to cut all the test specimens.

The training center's welding lab is equipped with 24 state-of-the-art Lincoln welders with a ventilation system including vertical and overhead welders and six wire feed machines. It allows Local 67 to train members on 232 flux core wire, 211 and 212.

On hand at the training center are three qualified full-time welding instructors. There's also a cutting and burning area to allow trainees to get familiar with torching and cutting beams.

To show trainees the proper use and maintenance, the training center's new 460 SJ Sky power JLG aerial lift complete with a built-in welder is used for JLG and scissor lift certification. The aerial lift was made possible through an IMPACT grant. IMPACT also funded the 100-ton ironworker, which is used for shearing steel.

Local 67's training center has two 1000-square foot classrooms and a large open space in the center where safety training and upgrading classes are held.

Teamwork for Excellence

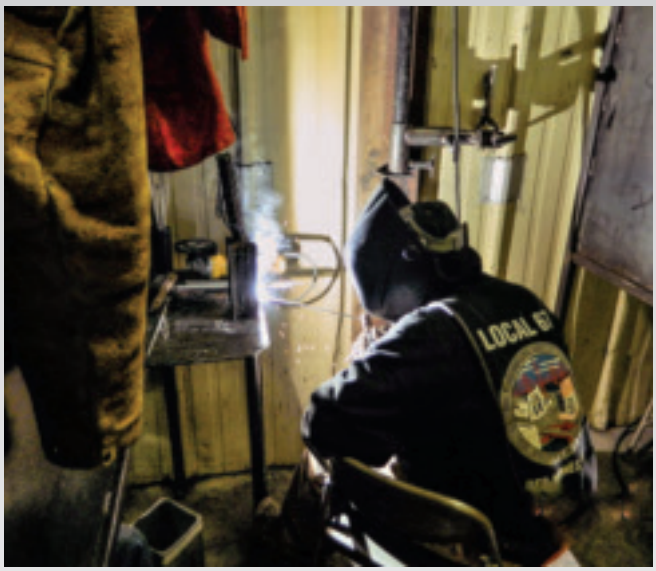
The state-of-the-art equipment and qualified instructors make it possible for the training center to provide all necessary training and upgrades in-house, making the ironworkers and their employers highly competitive in the market. It is an advantage over competitors.

"It would be almost impossible to do this without the help of Local 67," said O'Tool. "We work together to get it done. Local 67 provides the space, equipment and instructors. It takes teamwork to deliver something this big."

"It is great to see a local contractor partner with us for the training and certification of ironworkers," said Local 67 Business Manager James Watt. "In our business, training and safety standards are what set us apart from the competition. Our cooperative training day allows us to stay on top of it."

Watt is a strong advocate of the initiative. He has been educating other local unions and contractors of its efficiency and results. "I have talked about what we do with Northwest Steel Erection and how it helps get the guys in for upgrade training in a timely manner," said Watt. "These guys are working 12-hour days and six days a week and it's hard for them to give up work and time with family – let alone the financial burden. Shutting down all jobs and keeping them on payroll makes sense if we want them to keep up with their training. You got to give to get."

Northwest Steel Erection intends to continue its annual training tradition in collaboration with the Local 67 training center, making improvements every passing year to stay one step ahead of the industry.



MONTHLY REPORT OF LIFETIME MEMBERS

Lifetime Honorary members are published in the magazine according to the application approval date. Members previously classified as Old Age or Disability Pensioners that were converted to Lifetime Honorary membership effective January 1, 2007, will not be reprinted in the magazine.

SEPTEMBER 2017

LOCAL	NAME
3	PONTELLO, JEFF R
5	ADAMS, EDWARD J
5	MC GUIRE, JOHN P
5	PREBBLE, BERNHARD A
7	BLANCHETTE, RENALD J
7	HATCH, JOSEPH
7	LITCHFIELD, WALTER E
7	MAC NEIL, FRANCIS X
7	ROSSELLI, JOSEPH
7	RYAN, KEVIN R
11	INFIELD, MICHAEL
11	RODRIGUEZ, RAUL
14	YOUNG, DENNIS A
25	GRZEGORZEWSKI, JOSEPH C
25	JACKSON, JERRY G
25	KOHN, RUSSELL C
25	NELSON, GARY L
25	PATTEN, JACK O
29	HANCOX, FRED
29	YOUNG, PERRY
40	AHEARN AHEARN, SHAWN
40	MANDERVILLE, JOHN
40	TRACY, JOHN T
46	FAUGHN, MICHAEL D
60	CLARK, GEORGE A
112	PALMER, JOHN G
207	MORTIMER, JOSEPH W
207	SHANE, LEWIS
229	FRANKS, JOHN L
263	YARBERRY, PHIL A
378	HEGEL, ROBERT W
383	LAFFIN, WALLACE E
383	TEMPLIN, THOMAS P
383	TEMPLIN, TIMOTHY P
384	AIKENS, BILLY R
395	KUSTRIC, HALIL
396	FUREY, REX
397	RAWLS, RICHARD K
399	GIANNINI, JOHN E
399	MIRE, CARL
399	SAVASTA, DOMINICK L
401	DUFFY, THOMAS F
416	ELY, KENNETH S
580	JOSEPH, ANTHONY C
580	SCHMITT, ARTHUR J
584	YOUNG, GARY S
625	NAPUUNOA, GARY
700	MUSYJ, WILLIAM
721	OAKES, PATRICIA
721	ST JOHN, MICHAEL
764	EZEKIEL, LEONARD D
764	EZEKIEL, RONALD
842	DESJARDINS, HERVE

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12/2017

APPROVED DEATH CLAIMS FOR SEPTEMBER 2017

L.U. NO.	MEMBER NUMBER	NAME	CLAIM NUMBER	AMOUNT
1	630246	BARTELL, ARTHUR P.	109265	2,200.00
1	365321	PAULEY, FRANK	109266	2,000.00
3	714038	BUSER, GEORGE E.	109301	2,200.00
3	484960	POWERS, DONALD R.	109302	2,200.00
5	468777	WARREN, LUCIUS A.	109267	2,200.00
7	798772	HOURIGAN, JAMES P.	109303	2,200.00
7	850917	KICKLITER, LOWELL R.	109304	2,000.00
7	1249920	LOUIS, JOSEPH F.	109305	1,750.00
8	645684	LA VIGNE, RICHARD F.	109268	2,200.00
9	413957	YOUNG, WILLIAM M.	109306	2,200.00
12	1174947	LA BARR, EDWARD D.	109307	2,000.00
15	782945	GLADUE, THEODORE E.	109308	2,200.00
17	1060947	COVELL, DONALD R.	109269	2,200.00
17	725880	SLIDER, BERNARD	109270	2,200.00
21	645065	MICHEELS, EDMUND	109309	2,200.00
22	625996	LANIER, PAUL C.	109310	2,200.00
24	1487188	BAXTER, SAIFEL	109271	800.00
25	361982	CARROLL, ROBERT H.	109311	2,200.00
25	975490	ELLUL, ARTHUR D.	109272	2,200.00
25	996913	HAYES, EDWARD L.	109312	2,200.00
25	484615	PALMER, JACK S.	109273	2,200.00
40	687109	DEMERS, RONALD J.	109313	2,200.00
40	1078853	DENNIS, ROBERT E.	109314	2,200.00
40	1194231	DIRECTIE, WAIDIMAR E.	109274	1,750.00
40	1135603	FENNELL, MICHAEL J.	109315	2,200.00
40	1035688	GAFFNEY, JOHN A.	106720	2,200.00
40	1231185	GODFREY, SHAWN	107959	1,750.00
40	426190	HARTLEY, HAROLD J.	106719	2,200.00
40	1410422	HAYES, PAUL M.	106717	1,750.00
40	1133874	HOPKINS, STERLING	107960	2,200.00
40	682384	LA ROSE, LAWRENCE G.	106718	2,200.00
40	718141	MATOS, RUBEN	107961	2,200.00
40	673365	MC KEE, JOHN W.	106716	2,200.00
40	660616	O BERG, THOMAS	106721	2,200.00
40	768262	RILEY, CHARLES	107962	2,200.00
40	696297	SCOTT, PAUL R.	107963	2,200.00
40	800706	YOUNG, RICHARD	107964	2,200.00
55	543428	DURSO, MICHAEL	109275	2,200.00
55	676248	JOHNSON, RUSSELL D.	109276	2,200.00
55	766747	PHILLIPS, RAYMOND L.	109277	2,200.00
67	960637	GRIFFITH, CHARLES E.	109278	2,000.00
70	1276814	BOTT, CHARLES C.	109279	1,750.00
75	955129	BELL, LEON	109316	2,200.00
75	705096	BRADSHAW, WILLIAM C.	109317	2,200.00
75	572050	MATHIS, ALVIN R.	109318	2,200.00
75	915111	SNODGRASS, JEFF	109319	2,200.00
75	468818	SOWLER, WILLIAM L.	109320	2,200.00
79	580073	WATKINS, WILLIAM S.	109280	2,200.00
84	947102	HOUPT, JOSEPH	109281	2,200.00
92	976731	DUNSTON, GERALD E.	109321	2,200.00
92	625931	STEELEY, JOHN C.	109322	2,200.00
97	1167662	COLLINGE, WALTER B.	109331	2,000.00
97	944494	COMBS, GRANT L.	109332	2,200.00
97	1050807	JMAEFF, PAUL	109333	2,200.00
97	793400	REISINGER, EBERHARD	109334	2,200.00
103	800319	CARDWELL, WILLIAM C.	109282	2,200.00
135	993580	JONAS, JAMES F.	109283	2,200.00
155	652593	MATTIES, VERNON D.	109284	2,200.00
172	657507	AUGENSTINE, HOWARD L.	109323	2,200.00
207	1081651	KOERBEL, STEVEN H.	109285	2,000.00
207	1281084	MC GHEE, MICHAEL J.	109286	1,750.00
290	753418	YOUNG, LEONARD R.	109287	2,200.00
361	687134	JACOBS, ROY R.	109324	2,200.00
361	439275	WALL, GERALD M.	109288	2,200.00
377	1085337	FALCON, HERBEYE	109289	2,000.00
378	754164	WINTERS, JOHN A.	109325	2,200.00
393	570132	SMITH, DONALD E.	109290	2,200.00
396	795808	SUTTON, MYRON O.	109326	2,200.00
404	515376	BRICKEY, HUBERT A.	109327	2,200.00
404	1273146	GOOD, JOHN S.	109291	1,750.00
416	709198	BROCK, CALVIN	109292	2,200.00
424	1316749	FARRELL, ROBERT	109328	1,750.00
477	587459	KEETON, NELER	109293	2,200.00
492	1494549	BREWINGTON, MICHAEL D.	109329	500.00
498	655174	SCHONFELDER, WILLIAM C.	109294	2,200.00
516	1102802	MUTTON, JON J.	109295	2,000.00
516	906400	ORR, HARLEY D.	109296	2,000.00
549	586018	HOSKINS, WAYNE D.	109297	2,200.00
549	402346	KOLES, JULIUS	109298	2,200.00
549	1012772	MEAD, JAMES G.	109299	2,200.00
597	1262065	PALMER, JOHN W.	109330	1,750.00
720	687454	DAN, DANNY	109335	2,200.00
721	1057956	MILIC, RUDOLPH W.	109300	2,200.00
736	856095	ARGALIS, OSWALD E.	109336	2,200.00
771	596774	KORNAGA, MURRAY	109337	2,200.00

TOTAL DEATH BENEFITS PAID: 178,050.00

DISAPPROVED DEATH CLAIMS FOR SEPTEMBER 2017: NONE

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Dynamic Installations Load Test 900-Ton, Big Lift Water Rig

Dynamic Installations, signatory contractor to Local 97 (Vancouver, British Columbia), load testing their new 900-ton M-1200 Ringer crane. This is the largest crane on the West Coast of British Columbia and is operated on a 330-foot x 120-foot (1 acre) barge with ballast system. It took three to four months to overhaul the barge to make it into a ballast load barge with four pumps capable of pumping 60,000 gallons a minute each and four tanks to move water with 24-inch pipes. The big lift, 900-ton water rig has a 4100 Manitowoc as its service crane, 750,000 tons of counter weight, 150-foot boom with a 900-ton capacity, can boom out 400 feet on the main, and has 100 percent of OEM chart capacity and 360-degree rotation.

Local 764 (St. John's, Newfoundland) Ironworkers Build Mega-Hydro Dam Project in Labrador

Over 500 reinforcing and structural ironworkers and welders are currently employed at the Nalcor Energy mega-hydro dam, Muskrat Falls, which is located just outside Goose Bay in Labrador. The renewable energy project's intake powerhouse, spillway and transmission dams are being completed by Astaldi Canada Inc. The construction of the north and south dams were awarded to Barnard Pennecon LP.

The project, expected to be completed by 2020, includes construction of an 824-megawatt (MW) hydroelectric generating facility, over 1,600 kilometers of transmission lines across the province, and the Maritime Link between Newfoundland and Nova Scotia. The dam is an essential component of Nalcor's commitment to sustainability and climate change management. Once in service, power from Muskrat Falls will help meet the province's long-term energy needs by providing clean, renewable energy for future generations.

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Holiday Greeting

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