



Meeting & Seminar

UPdate

Canadian Welding Association • Association canadienne de soudage

Volume 2 (2011/2012 Season)

Canadian Welding Association Hamilton Chapter

November 2, 2011

Please plan to attend our next seminar

Wednesday November 2, 2011

Kubes Steel 6:00 (Sharp) Tour shortly after

Dinner Tickets for this meeting are: \$5.00 for students, \$10.00 (members and non members Note: "First year" basic membership is free (at present)

You **must** reserve.

Please reserve your Dinner Tickets by contacting Al Lundrigan (905) 979-0285 by Friday October 28, 2011 Alternate Contact: Shane Haskins (905) 979-7829

Topic

Plant tour "Kubes Steel"



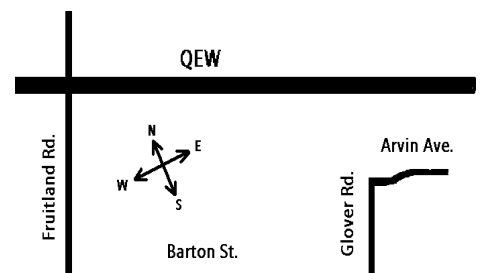
You could say "we bend steel", but at Kubes Steel we like to think of ourselves as a fabricator's fabricator. We provide our customers with custom rolling, bending and forming solutions and services. Solutions to increase business opportunities for our clients and in turn Kubes Steel, without our customer incurring the capital expense, overhead and added level of risk they would incur doing the work in-house. At Kubes Steel we continuously strive to be the best provider in our field, growing with our customers to meet their changing needs. Our continuous investment in equipment, plant and people, has positioned Kubes Steel with the most comprehensive range and Canada's largest capacity to cold form steel sections, tubing and pipe. We can bend pipe to 42" diameter, roll beams to 40" depth, as well as providing spiral rolling, plate rolling and brake forming solutions. We offer ISO 9001 quality assurance, CWB and AWS certified welding and take a leadership role as a charter member of AISC's Roller Bender Committee. And when you call, that friendly voice you hear will be human, because service is still personal.

"How do I get to Kubes Steel?"

Our Plant Tour at Kubes Steel 930 Arvin Avenue, Stoney Creek will start at 6:00 PM. Pizza and bottle water provided before the plant tour begins.

There is a \$5.00 fee for students & \$10 for all others. You must still register by calling Al Lundrigan at (905) 979-0285.

Please wear appropriate clothing and please bring your safety glasses. Thank you.



Wednesday December 7/2011

Topic: Stainless Steel

Contact any Hamilton Chapter Board Member for Tickets.

Note! You must reserve in advance

Back-step and skip weld procedures (sequences) may also be used for multi-pass welds, as shown in Fig. 12.

With large areas of plating, the butts (i.e., the joints between ends of plates) should be welded before the seams (i.e., the joints between the long sides of plates). The gap should be set to allow for contraction by adjusting the free plate before welding.

The welding of seams should never be carried up to, or beyond, an unwelded butt, as the rigidity of the butt would then be too great. The seam should be terminated 12 to 15 inches short of the butt. The butt is then welded, after which the welding of the seam may be continued. This is illustrated in Fig. 13.

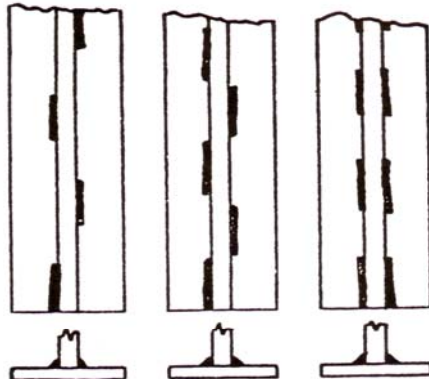


Fig. 11
Intermittent Fillet Welds

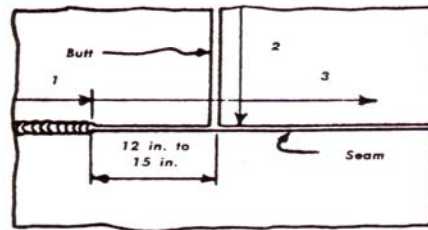


Fig. 13
Sequence for Seams & Butts

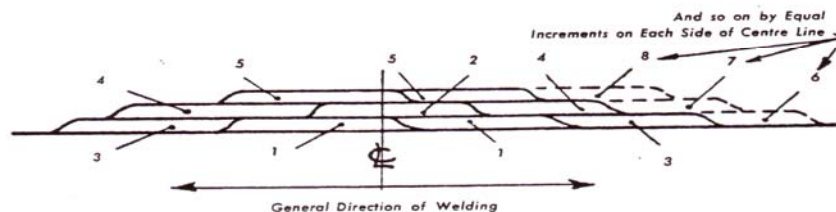


Fig. 12
Skip Procedure for Multi-Pass Welds

The welding should start at a central point and proceed outwards, keeping the progress or order of the welding more or less symmetrical about the centre, as shown in Fig. 14. In this way it is possible to arrange for each joint to have freedom of movement for the maximum period. Dark lines indicate completed welds and numbers indicate order of welds.

(for more information see page 11 CWB module 07 "Distortion and Residual Stress")

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CANADIAN WELDING ASSOCIATION HAMILTON BOARD

How to contact us
Canadian Welding
Association
Administration Office
8260 Park Hill Drive
Milton, ON L9T-5V7

Toll Free
1-800-844-6790,
ext. 256
Fax: 905-542-1318
E-Mail:
Hamilton@cwa-acis.org
Web site:
www.cwa-acis.org

Chair: **Don Gemmell** Niagara College (905) 735-2211 (7371)
Secretary: **Jonas Sykula** (905) 389-2234 ext. 312
Treasurer: **John Bell** Lincoln Electric (905) 565-5600
Publicity Chair: **Don Hutt** Arcelormittal Dofasco (905) 548-7200 (3079)
Meeting Coordinator: **Al Lundrigan** (905) 979-0285
Welding Journal Chair: **Shane Haskins** Arcelormittal Dofasco (905) 979-7829
Membership Chair: **Martin Balah** Air Liquide (289) 260-7187

