



Anchor Danly

Reliance Fabrications

**YOUR
“ONE STOP”
FABRICATION
SOURCE**





YOUR RELIABLE “ONE STOP” FABRICATION SOURCE!



Our main fabrications facility is a modern full service metal fabrication shop committed to quality and customer service. We specialize in the manufacturing of large custom steel plate and structural steel fabrications. Established in 1956, Reliance Fabrications is located in Tilbury, Ontario, occupies 38,000 sq. ft. of manufacturing space and is ISO 9001, ISO 14001 and CWB certified. Additional welding and fabricating capacity has been added at two of our other locations for your convenience and continued growth:

Anchor Danly allows you to focus on your core business. One source and one responsibility:

- **Project Management**
- **Engineering Support**
- **Customer Service Experts**
- **Single Source Dependability**
- **Multiple locations**

Windsor, Ontario, Canada

- Additional 8,000 sq. ft.
- ISO 9001 & 14001 certified
- CWB certified

Grand Rapids, Michigan, USA

- ISO 9001 & 14001 certified
- AWS certified welders

With a diverse assortment of material, from light gauge to heavy slab steel, angle iron and structural I-beams to steel tubing, Reliance Fabrications meets our customer needs.

Managing your fabrications from start to finish, Reliance Fabrications allows for consistent, high-quality fabrication and quicker project completion. We will provide competitive prices, short deliveries, compliance with schedule commitments and dependable performance.

In today's global environment, helping our customers to remain competitive is also our focus. Reliance Fabrications continually invests in new processes and equipment to better service our customers.





RELIANCE FABRICATIONS IS COMMITTED TO MEET YOUR NEEDS BY PROVIDING EXTENSIVE CAPABILITIES WHICH INCLUDE:

- Robotic welding
- Large inventory of plate and structural steel
- CNC flame and plasma cutting
- Metal Forming
- Stress relieving, thermal and vibratory
- Shot or sand blasting, priming and painting
- Machining and Blanchard Grinding
- Delivery

ANCHOR DANLY'S ABILITY TO MANUFACTURE ANYTHING FROM SINGLE COMPLEX CUSTOM FABRICATIONS TO MULTIPLE PART PROJECTS, HAS ALLOWED US TO SUCCESSFULLY PARTNER WITH CUSTOMERS IN THE FOLLOWING INDUSTRIES:

- Agriculture
- Automation
- Forestry
- Gas & Oil
- Machine Builders
- Mining
- Packaging
- Paper Processing
- Power Generation
- Recycling
- Steel Rolling
- Water Purification



We continue to train and support our staff in quality control methods, process techniques and computer programs for industrial design and metal fabrication.





STOCK ASSORTMENT FOR FABRICATION AND BURN-OUT REQUIREMENTS

STEEL INVENTORY

- Carbon steel plate in thicknesses between 0.25" & 15" (6.35mm and 381mm) in stock
- Stocking program of high quality steel material
 - 1020 – 10 gauge thru 15" thick
 - ▲ Grades 44W, 50W and A36
 - 1045 – ½" thru 5" thick
 - 4140 – ½" thru 6" thick (shape cutting available)
- Variety of structural steel profiles (L- and I-beam), channel and tubing



CNC FLAME CUTTING

- Single and multi-head flame cutting units with maximum table size of 150" x 270" (3,800mm and 6,860mm)
- Plasma cutting up to a maximum of 1" (25.4mm) thickness of steel

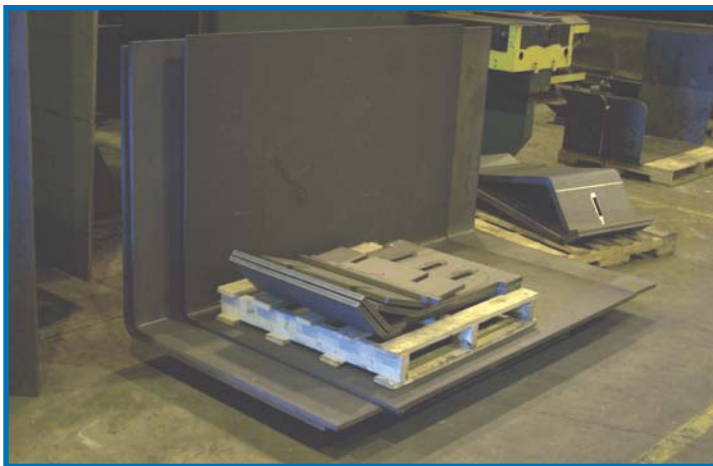




KEY FABRICATION METHODS

METAL FORMING

- Hydraulic shear with ½" (12.7mm) x 12' (3,650mm) capacity
- Hydraulic press brake with 600 U.S. ton (545 metric ton) by 14' (4,250mm) capacity



WELDING

- Materials are shot-blasted to remove mill scale and rust, and contribute to a cleaner, high quality weld
- CWB (Canadian Welding Bureau) certified for carbon steel and stainless steel



Our technical resources and manufacturing capabilities ensure robust quality standards and controls for customers.





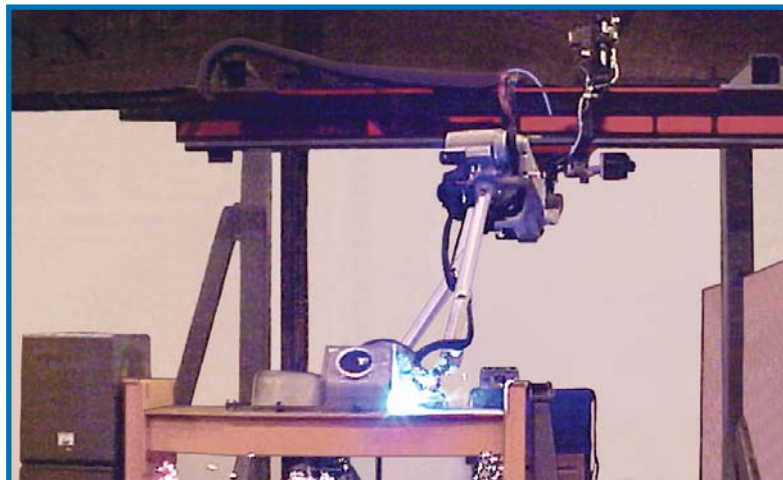
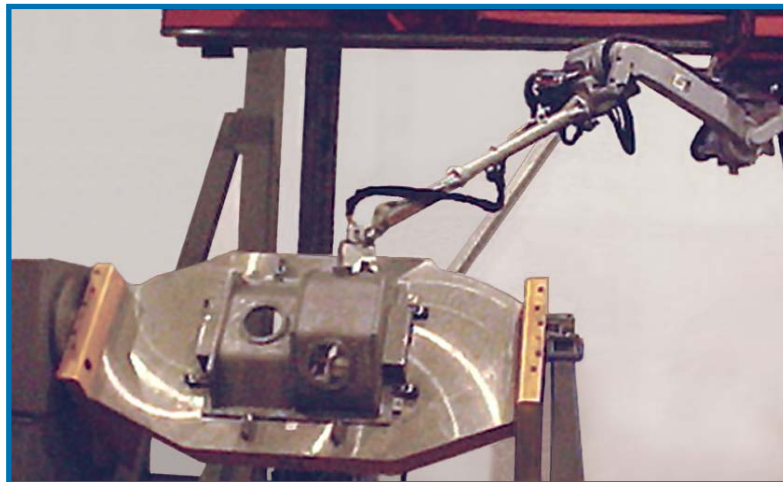
ROBOTIC WELDING

AUTOMATED WELDING CELL

- Equipped to handle weights up to 14,550 lbs. (6600 kg)
- Two work stations can accommodate fabrications as large as 11' long x 8' wide x 5' high (3.3m x 2.4 m x 1.5m) as standard
- Full 360° part rotation allows for coordinated motion while welding
 - ensuring consistent, high-quality welds
- Cycle time dramatically reduced for repetitive volume fabrications
- Larger weights & sizes can be accommodated

ROBOTIC WELDING CELL:

- Provides efficient production of unique, customized parts
- Robust fixtures & positioner designed for heavy load, multi-pass work such as large size steel structures and products for the heavy equipment industry
- 3D simulation software allows for product positioning and welding simulations off line





DEPENDABLE PERFORMANCE AND LONG LASTING METAL FABRICATIONS



STRESS RELIEVING

- Both thermal and vibratory methods are applied in-house
- Annealing oven with maximum load dimensions of 8' x 10' x 30' in length (2,000mm x 2,500mm x 7,600mm)



FINISHING

- All material is either shot-blasted in a continuous feed blast unit with 16" x 70" (405mm x 1780mm) entry gate or sand-blasted after flame cutting before assembly and welding
- Shot-blasting and sand-blasting both remove all mill scale and rust and gives an ideal surface finish for paint adhesion
- Final painting is available in-house upon request in our 20' x 40' paint booth





HIGHER LEVEL OF PRECISION & PRODUCTIVITY

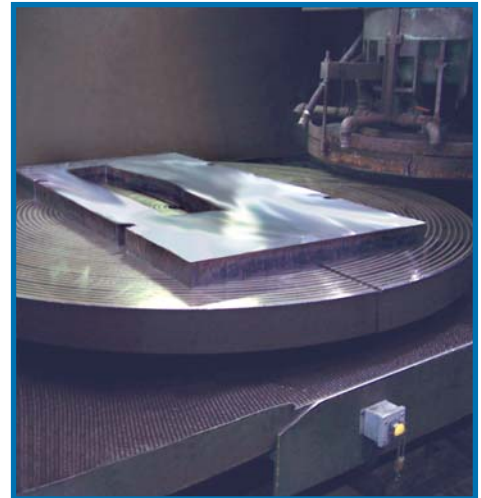
MACHINING

- Horizontal and vertical CNC boring mills up to a maximum of 138" x 320" (3,500mm x 8,130mm) plate size
- High precision machining jobs



BLANCHARD GRINDING

- Rotating grinders with table diameters up to 144" (3,660mm) with 60" vertical head clearance



SPECIALS

- Anchor Danly can also manufacture special components to your specific needs.





COMMITMENT TO CUSTOMER SATISFACTION

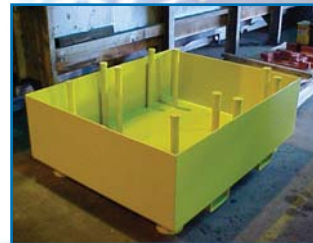
PROJECT UPDATES

- Digital images emailed at customer's request to follow progress during fabrication
- Solidworks, STEP, AutoCAD, IGES and additional model applications
- Knowledgeable Customer Service and Engineering experts to assist all your fabrication needs



DELIVERY

- A fleet of trucks for deliveries
- Carriers for heavier loads





OFFERING MECHANICAL ASSEMBLY SERVICES

ASSEMBLY OF CUSTOMER SPECIFIED
OR CUSTOMER PROVIDED PARTS INCLUDING:

Fabrications are stress relieved, blasted and painted to customer specifications.



Sediment Removal Systems

ANCHOR DANLY's staff will team with your engineers to see your project through to completion.

- Gibbs
- Ball Screws
- Linear Bearings
- Roller Blocks
- Conveyors
- Motors
- Drive Belts
- Bearings
- Clutches
- Wiring & Control Requirements
(Call for availability)





ALUMINUM & STEEL FIXTURE BASES

AVAILABLE IN STANDARD AND CUSTOM CONFIGURATIONS

ALL FIXTURE BASES

- Blanchard Ground
- Flatness & Parallelism is .001"/ft. – not exceeding .007" overall
- Edges machined .001"/ft. – not exceeding .004" overall
- Blasted and painted medium blue or customer's specified color
- Custom sizes & shapes designed on CAD to meet customer requirements
- Thorough inspection is completed at all stages of manufacturing (inspection reports supplied)

ALUMINUM FIXTURE BASES

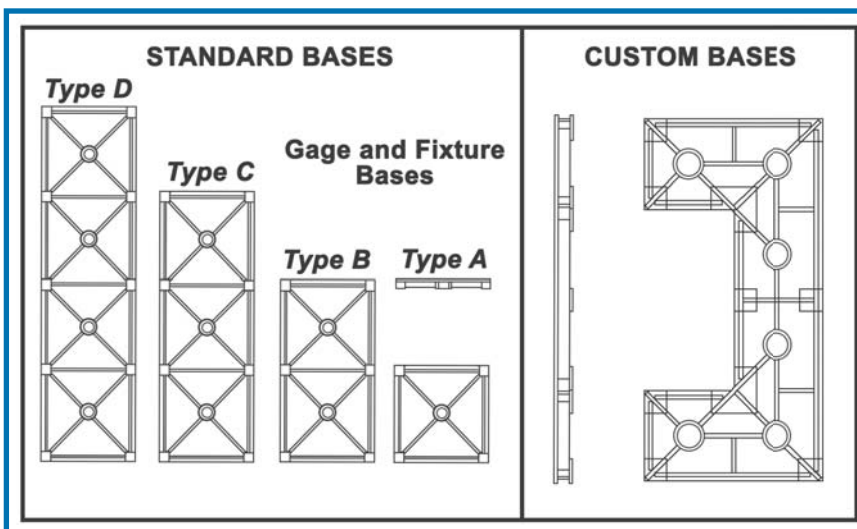
- 6061 stress relieved aluminum plate and bar stock
- GMAW highest quality aluminum wire
- Vibratory stress relieved
- 1/16" chamfer on top surface for safe handling & appearance

STEEL FIXTURE BASES

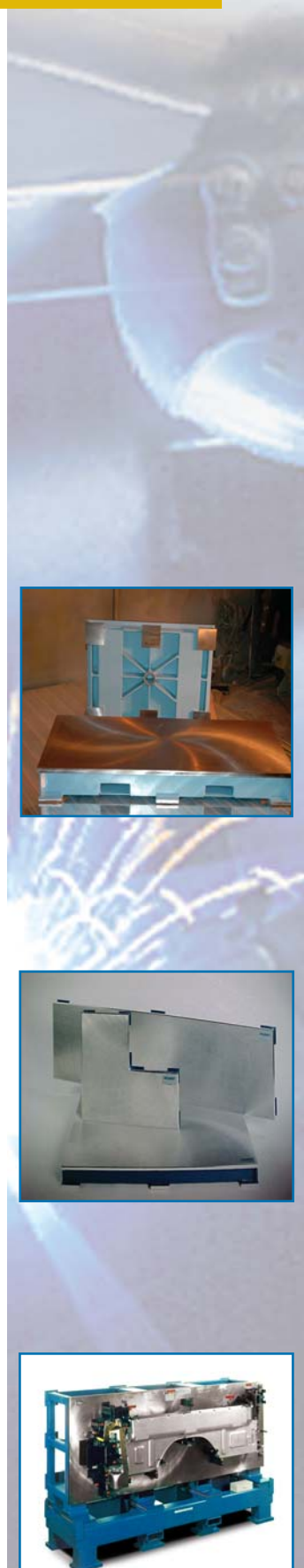
- Constructed with A36/44W material
- Thermally stress relieved

OPTIONS

- Carts and stands manufactured to meet customer specifications
- Fork tubes and/or lift blocks
- Machining of taps, dowels and gridlines available



Custom CAD designed shapes will reduce your cost by providing exact sizes.





Anchor Danly

Reliance Fabrications

RELIANCE FABRICATIONS

95 Lyon Avenue North
Tilbury, ON Canada N0P 2L0

PHONE: 800-265-5295
519-682-0470

FAX: 519-682-3616

email: releng@anchordanly.com SALES FAX: 519-682-9870

ANCHOR DANLY

2590 Ouellette Avenue
Windsor, ON Canada N8X 1L7

PHONE: 800-265-5007
519-966-4431

FAX: 519-966-3594

email: wineng@anchordanly.com

ANCHOR DANLY

4300 40th Street SE
Grand Rapids, MI USA 49512

PHONE: 888-526-2467
616-949-8700

FAX: 616-949-9580

email: graeng@anchordanly.com



www.anchordanly.com