

# General Fabrication

## Over 100 Years of Experience

CBC has been in the heavy plate fabrication business for over 100 years with products shipped regularly to over 30 country's worldwide. We ship 4,000,000 lbs. or more of carbon, stainless & exotic steel every year with our single largest shipment to date of 310,000 lbs.

With our major products being US DOT pressure vessels and zinc galvanizing kettles, we have all the equipment and manufacturing approvals for AAR and ASME code fabrication. CBC has a full staff of ASME certified welders with in-house and third party inspectors for any general fabrication applications. Our staff is qualified for NDT level III, in BT, MT, PT, RT, VT & UT.

We rely on centuries of experience in fabrication of kettles and ASME pressure vessel products, combined with the newest fabrication and welding techniques available, to give our customers guaranteed state-of-the-art products.

## Stress Relieve, Blasting & Painting

CBC has two stress relieving furnaces running regularly to handle any size job. Our large furnace is 65' x 9' x 12' (lwh) and our small furnace is 12' x 8' x 5' (lwh).

To provide a wide range of metal surface finishes, CBC uses any media from steel grit to plastic bead to provide a finish condition that meets your needs. We blast everything from general steel products to one of a kind classic cars.

Once your products are clean, we can provide you with a painted finish from basic primer to powder coat.



*Bearing  
Support  
Base*



*Stainless  
Kettles*



*Grit  
Blasting*



# CBC

Columbiana Boiler Company

Quality Steel Fabrication Since 1894

General Steel Services

Heavy Plate Fabrication

ASME Certified Welders & NDT Level III Inspectors

# General Fabrication

## General Fabrication Services

Columbiana Boiler Company has been a heavy metal fabricator since 1894. We have built our reputation on quality and reliable manufacturing going the extra effort to make sure your job is done correctly.

Below is a list of major our in-house equipment and manufacturing capabilities.

## Manufacturing Equipment

- 1200 Ton C-frame press with 14' bed
- Multiple overhead cranes with 45 Ton capacity
- 80 Ton Manipulators - 100' bed, 360° rotation, 60" lift
- Oxy-fuel burning table - 840" x 150" bed
- Large stress relieving furnace 65' x 9' x 12' (lwh)
- Small stress relieving furnace 12' x 8' x 5' (lwh)
- Grit blast booth 25' x 12' x 10' (lwh)
- X-ray booth - 320kv, 10ma source
- Bending rolls - 8' x 3/4" carbon, 1/2' stainless
- Hydraulic squaring shear - 8' x 1" carbon, 3/4" stainless
- Welding - Electroslag, Mig, Stick, Sub-Arc, Tig



## Our Largest Kettle to Date...

82'4" long x 10'4" wide x 12'4" deep

Weight: 155 tons (310,000 lbs.)

## Capabilities

- ASME Sec. VIII, Div 1 - U & R stamps for pressure vessels
- AWS D1.1 Structural code
- AAR Certified Manufacture
- US DOT approved manufacture for 49 CFR 179.300
- Chinese SELO licensed manufacture for pressure vessels
- Hydrostatic testing
- NDT, Level III (BT,MT,PT,RT, UT & VT)
- 2D and 3D CAD engineering



# CBC

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