

# METAL FABRICATING CAPABILITIES



**BASSETT**  
MECHANICAL

▪ CONTRACTING ▪ ENGINEERING ▪ METAL FABRICATING ▪ SERVICE

## METAL FABRICATING CAPABILITIES

Custom Fabrication, Piping & Pressure Vessels.

**Creating Customers for Life®**

INDUSTRIAL REFRIGERATION | HVAC | BUILDING AUTOMATION & CONTROLS  
PLUMBING | METAL FABRICATION | MAINTENANCE & SERVICE

## MATERIALS

We can fabricate a wide variety of specialty materials including:

- > Carbon Steel
- > Stainless
- > Duplex/Super Duplex
- > Titanium
- > Hastelloy
- > Inconel
- > Aluminum
- > Copper
- > Chrome

## CERTIFICATIONS

- > ASME, SEC. VIII, DIV. I
- > AWS
- > ISO 9001

## CAPABILITIES

- > PED
- > CRN
- > CS B51
- > ABS

## WELDING

- > MIG
- > TIG
- > Flux Core
- > Sub Arc
- > Spray Arc
- > Automated Seam Welding

## FORMING

### FOUR CNC PRESS BRAKES

- > 60 to 750 ton x 22' bed
- > 20' wide punches and dies

### ROLL FORMING

- > 4', 8', & 10' long rolls with capacity up to 1-1/4" plate at 10' width
- > Up to 2-1/8" thick mild steel in narrower widths
- > Angle roll with capacity to 5" x 5" x 3/4" angle iron
- > Horizontal bar roll with capacity up to 12" I-beam

## BLAST & PAINT

### BLAST BOOTH

- > 13' x 30' x 11' high
- > Steel grit blasting

### PAINT BOOTH

- > 20' x 30' x 12' high

### PAINT SYSTEMS INCLUDE

- > Polyurethanes, Epoxy, High Temp Coatings
- > Enamels, Zinc, Thermal Coatings
- > Thickness verified using PosiTest DFT gauge

## CAPACITY

- > Over 100 welding stations
- > 70+ overhead cranes
- > Isolated 40'x120' stainless clean room
- > Ability to handle projects in excess of 100 tons & 150' tall/long

## CUTTING

### PLASMA TABLE

- > 10' x 40', metals up to 2 1/4" thick
- > Articulating/bevel head

### PIPE CUTTING

- > 3D CNC
- > Articulating/bevel head
- > 36" diameter x 1 1/2" thick x 40' long

### LASER CUTTING

- > Stainless up to 1" thick
- > Milk steel to 1"
- > Aluminum up to 3/4"
- > Sheet size up to 5' x 10'
- > ±.001" tolerance

### CNC Shears

- > Up to 3/8" thick mild steel, sheet size up to 10' width

### TWO MUBEA IRON WORKERS

- > 80 ton capacity
- > 1/2" x 6" flat bar shearing
- > 1.125 hole punch
- > 6 x 6 1/2 angle shearing

### SAWING

- > 1 CNC hydmech saw up to 18"

### CNC ANGLE PUNCH

- > 6"x6"5/8" mild steel angle x 40' long

### CNC STRUCTURAL PROFILER

- > Cuts, copes, holes, ect.
- > 44" "W" Beam shapes x 50' long
- > C-15 channel x 50' long
- > Tube - 16" x 23"x50' long
- > Angle - 4"x8"x50' long



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