



## 902 Sheet Metal Shop Preparing for 1+2

Over the past several years there have been significant planning and preparation efforts underway to achieve our goal of building and delivering 1 Columbia and 2 Virginia class submarines per year. Among the many efforts completed and other projects underway, is the modernization of the 902 Sheet Metal Shop.

Over the past year, the shop has had newer, more modern equipment installed including 2 press brakes, a waterjet, a time-saver, 2 blasters and an aluminum downdraft table. The most notable and impactful addition to complete the 902 modernization effort is the replacement of our aging Co2 laser punch press with a newer and more efficient fiber laser-punch press.



**New 902 Trumpf Fiber Laser**

Our new fiber laser punch press will bring much-needed capacity improvement and efficiency enhancements to the 902 shop. A fiber laser has no moving parts or mirrors. It operates at lower energy costs and has the capability to cut a much wider range of materials including reflective metals. This newer technology enables faster cutting speeds resulting in more cut parts in less time. An additional benefit comes in the form of longer life span where fiber lasers can maintain their output much longer than the older style Co2 lasers.



**Pictured from left to right: Brian Jusczyk Install Tech III/Laser Operator, Eric Doyle, Area Superintendent D902, Nathan Cone Install Tech III/Laser Operator, Bruce Sullivan, Operations Manager D902, Katherine Lee, Program Rep Sr D964, and Domenic Ciringione Engineer II Software D604.**

The project to install the new fiber laser was complex and involved the close coordination and teamwork of multiple departments. Many thanks to our Laser Operators, IT and Facilities Teams for partnering with Operations Leadership and the equipment manufacturer to make this a successful equipment modernization effort driving QP ever closer to achieving 1+2!

Well done Team!

**Christian Lange**

Director of Manufacturing Operations

### FOLLOW ELECTRIC BOAT SOCIAL MEDIA CHANNELS



Facebook:  
General Dynamics Electric Boat



YouTube: GD Electric Boat



Twitter: @GDElectricBoat



LinkedIn:  
General Dynamics Electric Boat



Instagram: gdelectricboat



EB Landing:  
www.EBLanding.com

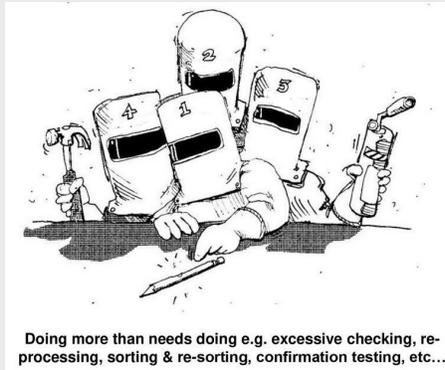
The QP WIB is produced by EB Communications.

To submit ideas, contact [rmarques@gdeb.com](mailto:rmarques@gdeb.com)



# Continuous Improvement

## Extra Processing is Extra Work



Doing more than needs doing e.g. excessive checking, re-processing, sorting & re-sorting, confirmation testing, etc...

If you hire a plumber to fix a leaky faucet in your kitchen, would you pay for the extra 30 minutes he spent polishing the pipes underneath your sink? No you wouldn't, all you wanted was a faucet that doesn't leak, not shiny pipes where no one will see them. This is an example of **extra processing**, the concept of adding more features or producing a product or service of higher quality than required by the customer.

The same logic for the plumber doing work that is not required also applies in our business. Neither your internal customer nor the Navy wants to pay for non-value added work which goes above and beyond what they expect or need. Of the **eight types of waste**, **extra processing** is one of the most difficult to recognize because this non-value added work is still work.

**Keep in mind what your customer requires and how he/she will use your product.**

Electric Boat Examples:

- A fillet joint is specified to be 3/8" and numerous extra passes are added to insure the fillet size passes inspection.  
Negative Effects Include:
  - Increased chance of defect
  - Potential for interference with a future installation
  - Increased chance of distortion
  - Unnecessary weld wire and consumables used
- A structural weld surface is specified to be cleaned a minimum of 1" from expected toe of the weld, but the surface was grinded all the way to 8" away to make sure the weld is not impacted.  
Negative Effects Include:
  - Increased labor cost
  - Increased chance of mistake
- A steel structure is specified to be blasted to a near white clean finish prior to paint, but the structure was over blasted beyond the time required to ensure surface is paintable.  
Negative Effects Include:
  - Increased time spent blasting
  - Increased time for grit recovery
  - Increased labor cost

Each example has adverse effect associated with **extra processing** and it is up to all of us to meet the requirements of your customer, while eliminating the non-value added work.

**Do YOU have any ideas on how to reduce motion in your area?**

**Have a process improvement idea, or simply just want a board to bounce ideas off? Discuss your idea with your Supervisor. If additional resources are required for implementation, your Supervisor can contact Process Engineering.**

# Heat Exhaustion

# Heat Stroke

### ACT FAST

- Move to a cooler area
- Loosen clothing
- Sip cool water
- Seek medical help if symptoms don't improve

*Dizziness*

*Thirst*

*Heavy Sweating*

*Nausea*

*Weakness*



*Confusion*

*Dizziness*

*Becomes Unconscious*

### ACT FAST

## CALL 911

- Move person to a cooler area
- Loosen clothing and remove extra layers
- Cool with water or ice

*Heat exhaustion can lead to heat stroke.*

*Heat stroke can cause death or permanent disability if emergency treatment is not given.*



Stay Cool, Stay Hydrated, Stay Informed!



# Blood Drive

**EVERY SECOND COUNTS WHEN SAVING LIVES.**



Elizabeth Beisel  
3x Olympic Swimmer & Lifesaver

### BLDG 2003 WATERFRONT B536

Bloodmobile w/ Inside Registration

#### Tuesday, July 16

9:00am - 2:30pm  
5:00pm - 10:30pm

#### Wednesday, July 17

9:00am - 2:30pm  
5:00pm - 10:30pm

#### Thursday, July 18

9:00am - 2:30pm

### 60 SIDE NEAR DISPENSARY

Bloodmobile w/ Inside Registration

#### Tuesday, July 16

9:00am - 2:30pm  
5:00pm - 10:30pm

#### Wednesday, July 17

9:00am - 2:30pm  
5:00pm - 10:30pm

#### Thursday, July 18

9:00am - 2:30pm  
5:00pm - 10:30pm

**WALK-INS WELCOME**

**No appointment necessary!**

Please remember to eat, drink, and bring your ID with your name and photo. Appointments are preferred however walk-ins will be welcomed if space permits. Visit [ribc.org/coronavirus](http://ribc.org/coronavirus) for COVID-19 safety protocols.

#ribloodcenter 800.283.8385 • [ribc.org](http://ribc.org)

# I WANT YOU TO STAY HYDRATED!

Invite EB Wellness to your crew during the months of **June, July and August** to give a 10-minute wellness break about hydration.

**For the first 10 crews to sign up, we will raffle off a water bottle at EACH wellness break (\$40 value!).**

Contact: Don Black

Health Promotion Specialist

Phone: 952-205-6067

Email: [donald.blackjr@optum.com](mailto:donald.blackjr@optum.com)





- We Build Freedom Gear Back in Stock!! Shop Our Selection Today!!
- Keep Drinks Cold for 9+ hrs or Hot For 3hrs in a Corkcicle Tumbler!! Sold Here!!
- !! NEW!! GDEB The Sport Shirt Polo Shirt!! Pick One Up Today!
- In Stock now!! Columbia Class Sub Apparel!!! Going Fast!! Not Going To Last!

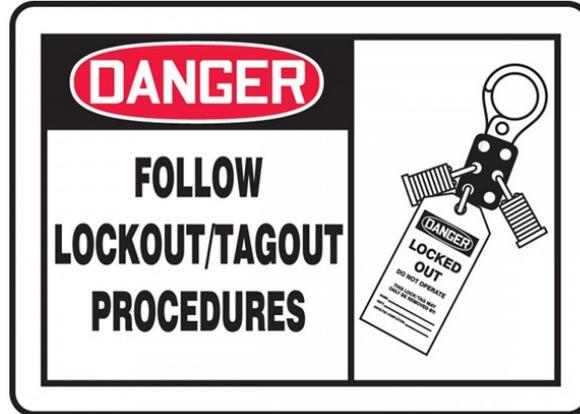
**Hours of Operation**

**7:30 am to 4:00 pm**



**QP Weekly Safety Briefing**

07/14/2024 – 07/20/2024



**The procedures are in place for your protection. Abide by them.**

Week 29

**GENERAL DYNAMICS**  
Electric Boat

Policy Statement # 13: Electric Boat Corporation has established Occupational Health and Safety as the Company's Number One Priority.

1



**Job Opportunity—X-Ray Welder**

X-ray Welders are Skilled Welders that can fabricate a weld without defects to undergo a radiographic X-ray inspection. This position encompasses welding on Sub safe/Hull integrity joints according to weld procedures and quality standards.

Duties may include welding in all positions, gouging full penetration welds and welding with high quality, speed, and efficiency.

To learn more about this position please apply thru the internal job posting page or contact Lauren Palana in Staffing at [lpalana2@gdeb.com](mailto:lpalana2@gdeb.com)/ 401-208-8413.