

George "Wyatt" Tubb, P.E.

Mr. Tubb is a registered professional engineer in the State of Texas with eight years experience in mechanical design, fabrication and analysis. A former welder, machinist, and gunsmith, he creates simple and effective designs. He is proficient in SolidWorks, Nastran In-Cad FEA, VA Structural Analysis, and OrcaFlex®.

EDUCATION

BS Mechanical Engineering Texas A&M University, 2008

EMPLOYMENT HISTORY

2009-Present: ETA International Inc., Senior Engineer

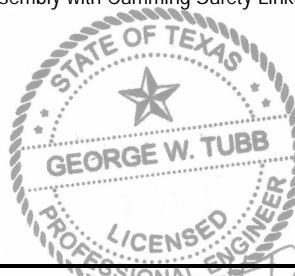
AFFILIATIONS

Registered Professional Engineer, Texas
American Society of Mechanical Engineers
American Petroleum Institute, San Antonio
American Association of Drilling Engineers, Central Texas
Alamo Inventors

PATENTS / PUBLICATIONS

Patent No. 9,208,694 B2 - "Security Door Breaching Breach Training System"

Patent No. 9,267,750 B1 - "Drop-in Adjustable Trigger Assembly with Camming Safety Linkage"



TYPICAL PROJECT EXPERIENCE

Mr. Tubb's project experience includes the following categories.

Bolted Joint Design and Failure Analysis

Design multiple fatigue resistant bolted joints for test frames.

Bolted joint failure analysis of solar panel installation.

Oilfield Equipment Development

Designed, manufactured, tested, and installed a downhole tool with on board DAQ system for 10,000 ft well depth.

- 5,000 psi pressure
- 37,000 lbf of tension
- 300° F Temperature

Offshore Flexible Pipe Testing

Design, fabrication, and operation of pipe test systems capable of:

- 1.1 Million lb Tension
- 3.8 Million ft-lb Moment
- 37,500 psi Pressure
- 260° F Temperature

Design, fabrication, and operation of a Dynamic Test Rig capable of 100 Million Fatigue Cycles:

- 455,000 lb Tension
- 50,000 ft-lb Bending Moment
- 30 degree Bending Angle
- 10,000 psi Pressure

Structural Design & Analysis

Design and Nastran® / VA Structural analysis of power plant platforms, lifting frames, jib beams, pocket door supports, tension and compression frames, and fatigue test frames.

Working knowledge of AISC Steel Construction Manual and AWS D1.1 Structural Welding Code with a focus on fatigue and NDT.

Military/Firearm Product Development

Designed, manufactured, and tested device for simulating tactical door breaching.

Designed, manufactured, and tested multiple aftermarket firearm products including: T7T 2-stage Rifle Trigger, Lo Pro Bubblelevel, and Distance Reduction Indicator.

Pressure Vessel Design

Designed, manufactured, tested, and operated a pressure vessel capable of:

- 5,000 psi pressure
- 300° F Temperature
- Leak Tight Penetrations in Vessel Wall

Single Point Mooring Hose

OrcaFlex® analysis of subsea hose strings for CALM Buoys systems and floating hose strings for FPSO installations.