

BASE Line

The quarterly newsletter of Baldridge & Associates Structural Engineering, Inc.

Fall 2014

B A S E



WHAT'S SO "SPECIAL" ABOUT OUR INSPECTORS?

1. Our qualifications

- ICC Certified Special Inspectors
 - » Master of Special Inspection
 - » Reinforced Concrete
 - » Prestressed Concrete
 - » Masonry
 - » Structural Steel & Bolting
 - » Welding
 - » Spray Applied Fire Proofing
- City & County of Honolulu Certified Special Inspectors
 - » Bolts Installed in Concrete
 - » Concrete
 - » High Strength Bolting
 - » Masonry
 - » Reinforcing Steel
 - » Shear Wall
 - » Uplift Ties
- AWS Certified Welding Inspector
- ACI Certified Field Technicians
- ACI Certified Strength Testing Technicians
- CCRL inspected, AASHTO accredited, and American Society for Testing and Materials (ASTM) compliant testing laboratory
- Trained in Construction Quality Management for Contractors, U.S. Army Corps of Engineers and Naval Facility Engineering Command

2. Your "One Stop Shop"

We offer a one-stop shop for structural engineering, special inspection, and materials testing in Hawaii and structural engineering and special inspection in Guam.

3. We are cost effective

With BASE as engineer of record and testing and inspection company all coordination is in-house. The close communication and relationships between our engineers and inspectors result in projects operating on schedule. We create increased efficiency, better coordination, and can address field issues directly, which in turn results in cost savings for our clients.

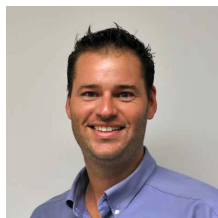
4. SI, QCSE and SIOR under one roof

We can perform special inspection (SI), Quality Control Structural Engineer (QCSE) and Special Inspector of Record (SIOR) functions for DoD projects. Our team of licensed engineers and certified special inspectors provide clear and open communication to keep projects operating on schedule and in compliance with contract documents and specifications.

5. Our capacity

We are equipped to handle projects of any scale and accommodate aggressive schedules. In addition to our staff of five full-time special inspectors in Honolulu, BASE has the unique ability to draw upon our licensed and ICC/ACI-certified engineers and drafters who are able to perform inspections and testing should project demands arise.

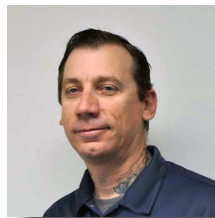
6. Lastly, they're great looking professionals!



Ben Klootwyk
Testing & Inspection
Manager



Edgar Gongora
Special Inspector



Burt Jenkins
Special Inspector



Leona Dacquel
Special Inspector



Dain Kagawa
Special Inspector



RECENT EXAMPLES OF OUR VARIOUS ROLES



801 SOUTH - BUILDING A HONOLULU, HAWAII

Role: Engineer of Record and Special Inspection

A new 46-story, 635-unit residential condominium tower and accompanying stand-alone 11-story parking structure. The total square footage is approximately 802,000 SF.

The tower is constructed of tunnel form concrete walls and the slab and foundations are concrete drilled piers. This high-rise is the first in Honolulu to utilize tunnel forming for the walls, which resulted in fast construction - one floor approximately every four days. The parking structure consists of concrete drilled pier foundations supporting post-tensioned slab, concrete columns and walls.

Special inspection services were performed for concrete, reinforced concrete, steel, welding, high-strength bolting, and masonry. We also performed testing on 2,250 concrete, grout, and mortar specimens that also included many early breaks to meet the project's aggressive schedule.

WARRIORS IN TRANSITION SCHOFIELD BARRACKS, HAWAII



Role: Engineer of Record, QCSE, and Special Inspection

Design-build of two facilities: a 72,000 SF, 120-person, five-story barracks and a 42,000 SF, four-story Soldier & Family Assistance Center and WIT Complex. The barracks structure consists of CIP concrete slabs with CMU and ICF load-bearing walls, and the SFAC building has a structural steel frame (with metal deck and concrete topping) and exterior ICF walls. Foundations are shallow spread footings.

In addition to designing the facilities we also provided a full-time quality control specialist and special inspector at the construction site during construction work.

P-904 MV-22 HANGAR AND INFRASTRUCTURE MARINE CORPS BASE, KANEOHE, HAWAII



Role: SIOR and Special Inspection

This project is a multi-story Type II modified aircraft maintenance hangar, staging area, and associated support facilities for MV-22 squadrons.

Our scope of work includes special inspection, concrete and masonry testing, and Structural Inspector of Record services. As SIOR, we serve as a third party quality assurance agent for structural special inspections and also perform submittal reviews for structural work.