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Local Engineering Firm Captures Two National Awards

Honolulu, HI – Baldrige & Associates Structural Engineering, Inc., a structural engineering consulting firm that specializes in antiterrorism/force protection, recently received two prestigious awards for Excellence in Structural Engineering. One is from the Structural Engineers Association of Illinois (SEAOI), and the other is from the National Council of Structural Engineers Associations (NCSEA). Each award recognizes Baldrige & Associates for specific projects that exemplify creative achievement and innovation in structural engineering design.

The SEAOI recognized Baldrige & Associates for Oklahoma Hall, the first residential building in Hawaii (and possibly in the nation) designed to meet the Department of Defense (DoD) Antiterrorism/Force Protection (AT/FP) Construction Standards. This new 5-story, 57,000 square foot Bachelor Enlisted Quarters (BEQ) is located at the Naval Station in Pearl Harbor. Hidden from view, the casual observer only sees the inviting Hawaiian architecture and never realizes the level of security built into the structural skeleton. Incorporated into the design is the innovative and economical **BASE Hanger System** which actually allows more than one wall to be removed without progressive collapse. If a portion of wall is lost due to abnormal loading, the unsupported structure is hung from the top similar to a giant hangman's noose. The **BASE Hanger System** is a multi-hazard solution, providing progressive collapse mitigation, and resistance to other hazards such as earthquakes and hurricanes, with minimal cost impact.



as reflected by the unique needs of the client and their project. This commitment has led the successful completion of projects of in Hawaii, Guam, Korea and on the Mainland.



Figure 1:
Oklahoma Hall
Pearl Harbor, Hawaii



Figure 2:
3-D Model of BASE Hanger System
as designed for Oklahoma Hall;
rendering of bomb blast destroying
exterior wall.



Figure 3: Nimitz-MacArthur Pacific Command Center, Camp H. M. Smith, Hawaii