



BASE Line

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Steven M. Baldrige, P.E., S.E.

Urban centers are experiencing the next evolution in retail, the “Stacked Big Box”, and Honolulu with its high land costs makes these projects a natural here. BASE researched this project type several years ago traveling to stacked stores all over the east coast. This effort, along with engineering creativity, has led to numerous successful projects.

Todd P. Dwight, S.E.

Frank K. Humay, Ph.D., S.E.

- **Honolulu Central – Wal-Mart / Sam’s Club**, Honolulu, HI. This project includes over 1,000,000 sq. ft. of space including the two-story retail building with a four level adjacent parking structure. The second floor structure is designed to accommodate heavy pallet rack and forklift loading for the Sam’s Club space.

Kylie K. Yamatsuka, S.E.

Evan A. Mizue, S.E.

Owner: Wal-Mart

Design/Builder: Dick Pacific Construction Co, Ltd., Honolulu, HI

Daniel R. Popp

Drew Fagent

- **The Best Buy**, Iwilei, HI. This recently completed store is configured to provide roof top parking for over 100 cars. The 50,000 sq. ft. retail space at the ground level incorporates a “prototype” column layout. The structure for the roof top parking utilizes cost effective smartbeam steel framing to achieve the long spans required for the open retail layout.

Jason Pang

Tracy M. Duke

Owner: Best Buy

Architect: RIM Architects, Honolulu, HI

Sandra M. Yonkers

Fe O. Rodillas

- **Safeway**, Kapahulu, HI. This project utilizes tilt-up concrete walls for fire separation, structural support and architectural expression. The project’s urban location requires the structure to be configured for roof top parking that includes a long curved access ramp. The ground level includes approximately 90,000 square foot of retail space.

Woo Sung Chang

Owner: Safeway Stores

Architect: Benner Stange Associates Architects, Inc.

- The new **Honolulu Ford** dealership includes over 60,000 square foot of enclosed space in a three story multi function building. The project includes a basement for parts located underneath a two story office and open showroom area. Roof top parking is provided over the Service Center in back utilizing efficient deep section joist girders.

Owner: Honolulu Ford

Architect: Richard Matsunaga & Associates

Baldrige and Associates Structural Engineering, Inc. is committed to understanding the unique needs of our urban environment.

