

BASE Line

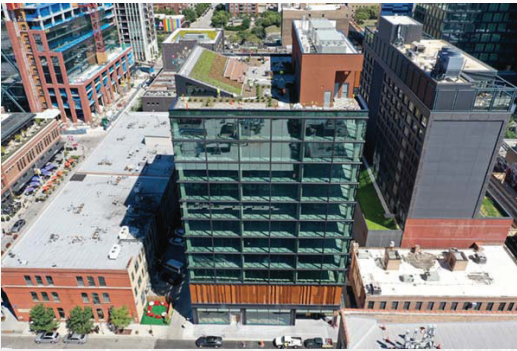
The quarterly newsletter of BASE

Winter 2020



2020 Year in Review

“Unprecedented” was perhaps the most often-used word of 2020 but it truly describes the year it was. In the winter issue of BASELine we always recap highlights from the previous year. Despite it being a very challenging year, we are thankful to have had highlights that were only possible because of our loyal, valued clients and BASE employees. We appreciate everyone’s continued support and wish everyone a safe and prosperous New Year.



Fulton East: Safer-at-work office building

Fulton East opened in December and is one of the first buildings in the US designed for a post-pandemic world. BASE is the engineer of record on this 12-story office building in Chicago that includes features such as hands-free elevators and clean air technology that reduces viruses and bacteria in the air and on surfaces.

Location:	Chicago, Illinois
Owner:	Parkside Realty, Inc.
Architect:	The Lamar Johnson Collaborative
General Contractor:	Clayco
Concrete Contractor:	Pepper Construction Company



Steve Baldrige awarded Post-Tensioning Institute’s Most Meritorious Technical Paper

Steve Baldrige was awarded the Kenneth B. Bondy Award for the Most Meritorious Technical Paper by the Post-Tensioning Institute (PTI) for his paper “That Green Thing: Thin Post-Tensioned Concrete Slabs.” The award is given in recognition of a significant impact of a published paper in the PTI Journal or a paper presented at the PTI Convention.



The paper describes how concrete construction can be green through the use of post-tensioning. Thin PT slab technology can make concrete slabs thinner thus reducing the amount of materials and a project’s carbon footprint. Read “That Green Thing” [here](#).

BASE in top five of Best Structural Firms to Work For

We placed fourth in 2020’s Best Structural Engineering Firms to Work For! The award recognizes firms for superior achievements in criteria such as workplace practices, employee benefits, and employee retention rates. The annual list is compiled by ZweigGroup, a leading A/E/C industry consulting firm, that bases its ranking on employee surveys.

This marks BASE’s 15th appearance on the list. We are also the only structural firm to make the list 10 years in a row, more than any other structural firm, and we couldn’t have done it without our talented staff who truly make BASE a great place to work.

Nohona Hale

This affordable residential project opened in August 2020 and includes 111 “microunit” apartments of about 300 SF each. Located between three existing buildings on a tight trapezoidal-shaped site required the typical floor plan to be trapezoidal as well. 3-D finite element analysis was used to accurately assess structural requirements and performance of the floor system. We worked closely with the general contractor as they developed their plans to address construction tight against adjacent properties.



In addition to being structural engineer of record, we also provided testing and inspection and contractor support services that included design of tower crane and man hoist foundations and supports for solar panel rack equipment on the roof.

Location: Honolulu, Hawaii
Owner: Bronx Pro Group
Architect: WCIT Architecture
General Contractor: Swinerton Builders



Avra

The pandemic didn’t slow down the construction of Avra. a 23-story mixed-use project. Constructed at one floor every three days, the structure was topped off last August.

The approximately 186,000 SF building includes retail and lobby on the ground floor, amenities on the second floor, and residential units on floors 3 - 23. The rooftop deck features a pool, hot tub, fire pit, and amenities room.

Location: Chicago, Illinois Architect: Antunovich Associates
Owner: Tandem Inc. General Contractor: Tandem Inc.
Concrete Contractor: Adjustable Concrete Construction



Tsubaki Tower

The Tsubaki Tower officially opened on July 1, 2020, after a delay due to the pandemic. The tower is one of the tallest buildings on the island and is also the first private sector building in Guam designed using performance-based seismic design. In addition to being engineer of record we also performed special inspections on the project.

Location: Tamuning, Guam Architect: RIM Architects
Owner: PHR Ken Micronesia Contractor: Asanuma Corp.



P-714 Navy Unaccompanied Housing

This six-story, 166,000 SF bachelor enlisted quarters opened in October 2020. Procured under the design-build method, the structural design proceeded on a fast-track basis with foundation and superstructure design completed in the span of only three months.

Location: Great Lakes, Illinois General Contractor: Clark Blinderman JV
Owner: NAVFAC Mid-Atlantic Concrete Contractor: Pepper Construction Company
Architect: FGM Architects

We’re putting final touches on our new website. Stay tuned!