



BRANDON GILL, P.E.

ASSOCIATE

As an Associate at Taylor Engineering, Mr. Gill's responsibilities include HVAC and controls system design and specification, sequence of operation development, design review, commissioning, project management, and business development. Mr. Gill has expertise in specifying DDC systems; writing sequences of operation for central plants, data centers, and large commercial facilities; and commissioning. His design experiences include plan and spec high rises, design/build speculative office buildings, data centers, and an acoustically sensitive media studio. His commissioning experiences span Fortune 500 mission critical data centers, campus central plants, museums, laboratories, and health centers, among others.

Mr. Gill's design philosophy emphasizes energy efficiency while keeping an eye towards practicality and life cycle cost effectiveness. His mechanical systems commissioning approach focuses heavily on ensuring proper controls system implementation. He strongly believes that smartly designed and executed controls systems are central to maximizing building energy efficiency and operability.

EDUCATION

B.S. Mechanical Engineering,
University of California
Berkeley, 2008, High Honors

REGISTRATIONS

Mechanical Engineer,
California #35861

AFFILIATIONS

American Society of Heating,
Refrigeration, and Air-
Conditioning Engineers

YEARS OF EXPERIENCE

9 years total
4 years with Taylor

SELECTED PROJECT EXPERIENCE

350 Bush – (San Francisco, CA) – Primary core and shell mechanical designer for this 360,000 ft², 19 story high rise in San Francisco's financial district.

Oceanwide Center (San Francisco, CA) – Primary wet side and central air handling system designer for this two-tower, 2.1 million ft² mixed use, office, hotel, and condominium project.

NDA 4 MW Data Center (Salt Lake City, Utah) – Designer and lead commissioning agent for the mechanical expansion and controls retrofit of a Fortune 500 production data center. Systems were successfully retrofit and commissioned while the facility remained in operation.

Pathline Park (Sunnyvale, CA) – Lead project engineer/manager for a design/build speculative development comprised of (3) 100,000+ square feet office buildings, a restaurant amenities building, and parking structure.

NVIDIA Endeavor (Santa Clara, CA) – Lead control sequences engineer and commissioning agent for a new 500,000 ft² campus office building. Mechanical systems include series chillers, underfloor air distribution, and radiant floors.



SELECTED PUBLICATIONS & CONFERENCE PRESENTATIONS

2016 PG&E Data Center Baseline and Measurement and Verification (M&V) Guidelines, co-authored with Jeff Stein, CALMAC ID: PGE0369.01, February 2016.

American Council for an Energy-Efficient Economy (ACEEE), Poster Presenter, "*Taking It Outside...the Lab: A Step Forward in Field Air Conditioning Efficiency Measurement and Diagnostic Testing*", August 2010

ADDITIONAL REPRESENTATIVE PROJECTS

505 Brannan Street/Pinterest	San Francisco, CA, 150,000 ft ² , Cx
Dolby Headquarters	San Francisco, CA, Functional Test Scripts
Caltech Annenberg	Pasadena, CA, Controls Optimization and Cx
Caltech Cahill	Pasadena, CA, Controls Optimization and Cx
Caltech Jorgensen	Pasadena, CA, Lab Controls Optimization and Cx
Google San Antonio Station	Mountain View, CA, Energy Modeling
Humboldt State University Science D&E	Arcata, CA, MBCx
Kaiser Permanente Data Center	Napa, CA, Office Mechanical Design
NDA 20 MW Data Center	Salt Lake City, UT, Retrofit Design & Cx
NDA 20 MW Data Center	Phoenix, AZ, Cx
NDA 4 MW Data Center	Phoenix, AZ, Risk Assessment Study
NDA 4 MW Data Center	Santa Clara, CA, Failure Forensics & Capacity Review
Oxy College Ice Storage Central Plant	Los Angeles, CA, Sequences & Cx
Occidental College Norris Chemistry	Los Angeles, CA, 38,000 ft ² , Controls Design
Oracle, 600 Oracle Parkway	Redwood City, CA, 270,000 ft ² , Central Plant Upgrade
SFMOMA	San Francisco, CA, Functional Test Scripts
SJSU Student Health Center	San Jose, CA, 53,000 ft ² , Cx
SJSU Campus Village Phase 2 (Housing)	San Jose, CA, 186,000 ft ² , Cx
UC Office of the President	Oakland, CA, 76,000 ft ² , Existing Systems Repurpose Study
Workday, 6000 Stoneridge Mall	Pleasanton, CA, 60,000 ft ² , Mechanical Design and Cx
Workday Media Studio	Pleasanton, CA, Mechanical Design