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2022 AIA Fellowship

Candidate Greg Gidez
Organization Hensel Phelps Construction Company
Location Franktown, Colorado
Chapter AIA Colorado; AIA Denver

Category of Nomination

Object 2 > Practice (Technical Advancement)

Summary Statement

Through leadership, process improvement, and the adoption of innovative technologies, Greg Gidez has strategically contributed to and advanced the design-build delivery method to maximize value and excellence in design.

Education

University of Colorado at Denver
Denver, Colorado
1974-1978, 4 years
Master of Architecture

Rutgers University
New Brunswick, New Jersey
1978-1982, 4 years
Bachelor of Arts, Business Administration

Licensed in:

Colorado
California
Florida

Employment

Hensel Phelps Construction Company
14 years
2007 - present

Fentress Architects
25 years
1982 - 2007



GREGORY R. GIDEZ AIA
2022 FELLOWSHIP SUBMISSION

October 5, 2021

Steven Spurlock FAIA, Chair, Jury of Fellows
American Institute of Architects
1735 New York Avenue NW
Washington, DC 20036



fentressarchitects.com

Re: Fellowship Nomination of Gregory R. Gidez AIA

Dear Mr. Spurlock and Members of the Jury:

It is with respect that I nominate my longtime colleague, Greg Gidez, for Fellowship in the American Institute of Architects. Greg and I have worked together since the early 1980s and continue to collaborate today. Greg's career has been dedicated to the advancement and improvement of the profession of architecture, particularly as it relates to the construction industry. His passion for design excellence, technical detail, and process improvement has had a profound impact on the AEC industry and the achievement of design excellence, refining the art of collaboration and integration with exemplary results.

Greg began his career in 1981 as an intern at Fentress Architects and quickly distinguished himself as a valuable team member. This was at the time computer technology was just beginning to emerge and Greg recognized that this new technology was a game changer for the industry. An early adopter of the new technology that would drive the architecture profession far into the future, in 1983 Greg was tasked with learning and promoting the benefits of Computer-aided Design (CAD) to the firm. He quickly integrated the technology into daily practice and became a teacher and mentor to his colleagues. Ever looking for ways to optimize design, Greg learned that integrating advanced Building Information Modeling (BIM) technologies in both design and construction led to design excellence. As a leader with the Charles Pankow Foundation he was an integral part of the development of the Penn State BIM Execution Plan which has become a national standard for implementing BIM on design and construction projects.

Hensel Phelps Construction Company and Fentress Architects were early partners (and are to this day) on many large Design-Build projects. Greg honed his talent to bridge the design and construction processes on the many Design-Build projects he worked on at Fentress. In 2007 he joined Hensel Phelps as Director of Preconstruction Services. His role was to introduce BIM, sustainability, and integrated project delivery into the fabric of this traditional construction company with the end goal to achieve design excellence. In 2014 he was named Director of Design Services, overseeing all Design-Build work for the company. As a result, Hensel Phelps is

now recognized as a leader in BIM, virtual design, and construction, and is consistently ranked as one of the top general contractors in the country. Hensel Phelps is currently the number one Federal Design-Build Contractor and has won more than twice as many Design/Design-Build awards as its nearest competitor.

Greg has been heavily involved with both the AIA and the Design Build Institute of America (DBIA). He is a member and past chair of the AIA Project Delivery Knowledge Community and conceived the "Delivering the Future" symposium held in DC annually since 2017. In 2007, Greg was named to the National Board of DBIA, became Chair in 2011, and was named to the inaugural class of fellows in 2018. He teaches Design-Build internally at Hensel Phelps and is a certified instructor for DBIA. A renowned national speaker and university guest lecturer on integrated project delivery strategies and architecture, Greg is recognized as a Subject Matter Expert in Design-Build and speaks nationally on project integration strategies. In 2015 he developed a four-part series for AIA Colorado on Design-Build Best Practices and Design Management. Greg participated in planning for the AIA Colorado Practice and Design Conference for five years.

Through innovation, process, and leadership, Greg Gidez has contributed to the betterment of the profession of architecture. Highly regarded within our firm and in the architecture and construction communities, I cannot think of a better candidate for Fellowship in the College of Fellows.

Sincerely,

Fentress Architects

A handwritten signature in black ink that reads "M. O. Winters". The signature is fluid and cursive, with a long horizontal stroke at the end.

Michael O. Winters FAIA, LEED AP BD+C
Principal and Director of Design

Section I: SUMMARY OF ACHIEVEMENTS



Through leadership, process improvement, and the adoption of innovative technologies, Greg Gidez has strategically contributed to and advanced the design-build delivery method to maximize value and excellence in design.

ADVANCED PROJECT DELIVERY

Greg has devoted his architectural career to bridging the gaps between design and construction to advance the profession of architecture. His focus has been on maximizing value, including sustainability and design excellence within alternate delivery models, particularly design build. Greg's expertise has been critical to elevating quality across the design and construction space.

Greg has had a unique career in that he worked as an architect on dozens of design-build projects with the same builder. His exhibits demonstrate the progression of his career from intern to principal in a large architectural firm to director of design services for a large construction company. Technology is the tool he has carried with him, and a passion for design excellence within the built environment is the philosophy that has guided him. The design-build projects on which he worked have honed his practical knowledge of how a building is assembled and what it takes for a team and a project to be successful.

- Worked for Fentress Architects for 26 years, from intern to associate to principal
- Completed more than 60 projects while at Fentress, many of them design build with Hensel Phelps
- Director of Preconstruction Services for Hensel Phelps, a top 5 national design-build contractor
- Director of Design Services for Hensel Phelps

INNOVATIVE TECHNOLOGIES

Greg began his career just as computers were reaching the workplace, and he realized early on that the use of computers in architecture, engineering and construction would revolutionize the industry. However, it would take paradigm shifts in tools, processes, and workflow integration. Greg embraced and has passionately pursued this paradigm shift through the adoption, advancement, integration, and education of multiple types of new technologies. He leveraged his knowledge to provide cross-disciplinary leadership elevating the quality of design solutions in the built environment. He continues to innovate to improve the way buildings are designed and constructed.

- Started CAD department at Fentress Architects
- Started Building Information Modeling department at Hensel Phelps
- Integrated advanced virtual design and construction and other disruptive technologies into the work flow
- Adopted laser scanning for design and spatial coordination
- Industry leader in development of BIM Execution Planning Guides
- Integrated BIM into the design-build process to capitalize on integration of design
- Adopted augmented reality for training, visualization, what-if scenarios, and fundraising.

LEADERSHIP

Greg has been at the helm of many organizations involved in the advancement of design excellence. He contributes nationally to AIA's Project Knowledge Delivery Community (PKDC), to his local AIA Colorado chapter, and to the Design Build Institute of America (DBIA) and other allied organizations. He is nationally recognized as a subject matter expert in the field of design build. Greg's leadership has been utilized to develop materials and lead national seminars.

- Chair of the AIA Project Delivery Knowledge Community (PDKC) 2015
- Member of AIA PDKC Advisory Group
- Initiated annual PDKC symposium "Delivering the Future"
- Inaugural Class of Fellows DBIA 2018
- BIM Forum Board of Directors 2015 to present
- Chair of DBIA National 2011
- DBIA Board of Directors 2008 – 2014
- Board member and industry advisor of the Charles Pankow Foundation (CPF), a private foundation dedicated to research that improves design and construction processes 2018 to present
- Associated General Contractors Board Liaison to the BIM Forum
- National speaker on disruptive technology and process at the AIA, DBIA, ENR Future Tech and others

An aerial photograph of a city skyline at dusk. The sky is a mix of orange, yellow, and blue. In the foreground, several modern high-rise buildings with glass facades and balconies are illuminated from within. A large stadium with a distinctive roof structure is visible on the left. The city extends into the distance with various other buildings and streetlights.

Section 2: ACCOMPLISHMENTS

• 2.1 Significant Work

• 2.2 Awards, Honors, and Recognition

• 2.3 Publications

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Professional Positions

Hensel Phelps Construction Company

Greeley, CO

Director of Design Services 2014 to present
Corporate Director of Preconstruction 2007–2013

Fentress Architects

Denver, CO

Principal 2004 – 2007
Associate – 2004
Intern 1981–1982

Professional Licenses & Certifications

Licensed Architect

Colorado #CO-00202376
California #C-28312
Florida #AR-93207

Other

Design-Build Institute of America
DBIA Certified

United States Green Building Council (USGBC)
LEED AP #10194263 since 2011

AIA Involvement

AIA National

Member since 2003

AIA Project Delivery Knowledge Community

Greg is an active member of the AIA's Project Delivery Knowledge Community Advisory Group, and served as Chair in 2015. Following his tenure as Chair, Greg envisioned and initiated the PDKC Project Delivery Symposium "Delivering the Future," held annually at the AIA National offices. The Symposium unites design and construction leaders and innovators to discuss industry trends and advances in project delivery.

- Member since 2014
- Advisory Group since 2015
- Board Chair (2015)
- Started annual PDKC Symposium "Delivering the Future" (2018)
- Speaker, "Delivering the Future" (2019)
- Session Moderator, "Delivering the Future," (2020)
- Moderator, "Delivering the Future" (2021)

AIA Colorado

Greg served for 5 years on the AIA Colorado Annual Conference Planning Committee, and championed the inclusion of construction and process discussions as part of the pursuit of design excellence. By doing so, he expanded the conversation at the conference to include the trades and builders in order to achieve a better outcome on projects and educate the industry on alternate project delivery strategies.

- Member since 2003
- Member, Annual Conference Planning Board (2014 – 2018)
- Prepared and instructed A.R.E. Colorado training for materials and methods



Other Professional Affiliations

Design-Build Institute of America National

As an architect, Greg has consistently raised the awareness of design excellence within the construction process and worked with others to develop best practices for this delivery model.

- Member since 2001
- Fellow 2018
- Chairman of the Board 2011
- Board of Directors 2008 – 2014
- Board of Directors Selection Committee 2015 to present
- Futures Council
- Design Excellence Award
- Member of Education, Research, Sustainability, and Innovation committees
- National Conference Chair and Conference Planning Committee 2001
- Certified DBIA instructor

Design-Build Institute of America Rocky Mountain Region

Member since 2001
President (2006-2007)

Charles Pankow Foundation

Industry Advisor 2007 to present
Board of Directors 2018 to present

Arapahoe Community College

Littleton, CO
Advisor, Architecture and Construction Management Programs

Associated General Contractors (AGC)

BIM Forum

Board of Directors 2015 to present

California Center for Construction Excellence

Cal San Luis Obispo
Advisory Board 2010 – 2014



RICHARDS BOULEVARD OFFICE BUILDING “R” BLOCK

Sacramento, California

Completed: 2023 (est)

Role of Nominee: Director of Design Services for Hensel Phelps

Greg had oversight of the successful design-build competition with ZGF for this 1.25-million-square-foot development in the River District of Sacramento for the State of California. After award, he worked with the design and construction teams to assure compliance with program criteria; that design was on schedule, constructible, and on budget; and owners were satisfied. The mandate is for the building to be all electric to minimize its carbon footprint. The team stepped up to the challenge and designed a complex supported by a highly efficient central plant. The project is on target to be the most energy efficient office complex in the state’s portfolio.



COLORADO CONVENTION CENTER, ROOFTOP EXPANSION

Denver, Colorado

Completed: 2023 (est)

Role of Nominee: Director of Design Services for Hensel Phelps

Greg oversaw the pursuit and procurement of this latest expansion to the Colorado Convention Center. The expansion will add 80,000 square feet of flexible meeting space in a new level on top of the existing center. The project will provide required code and life safety upgrades, and include supporting spaces, including pre-function (lobby) space, an outdoor terrace, restrooms, elevators and escalators from lower levels, and supporting back-of-house spaces including kitchen facilities, storage, storage areas and service corridors. The project will achieve LEED Gold Certification



“O” STREET

Sacramento, California

Completed: September 2021

Role of Nominee: Director of Design Services for Hensel Phelps

Greg had oversight of this design competition with HOK for a 12-story, full-block office building for the State of California in Sacramento. The building will house the governor’s office and the legislature. The mandate was for a highly efficient facility with a high level of personal comfort. The building is designed to be net-zero for energy usage and is targeting LEED-NC Platinum certification.



McGREGOR SQUARE

Denver, Colorado

Completed: 2021

Role of Nominee: Director of Design Services for Hensel Phelps

A design assist, Greg worked with the owner and designer Stantec during the pre-construction phase on program development, pricing, and construction logistics.

This is a high-visibility mixed-use project in downtown Denver for the owners of the Colorado Rockies baseball club. The \$250 million project comprises three towers (office, hospitality, and residential), a two-story below-grade parking garage, as well as food, beverage, and retail space along the first floor. Nestled between the towers, the plaza will serve as a year-round outdoor entertainment area – especially during Rockies season – and will include the Rockies Hall of Fame.



LOCKHEED MARTIN GATEWAY BUILDING

Littleton, Colorado

Completed: 2019

Role of Nominee: Director of Design Services for Hensel Phelps

Greg worked directly with the client to develop the program for this highly technical and confidential project. He selected the design team based on experience and co-located them with the construction team to execute the project, greatly facilitating communication. The team used BIM to design and build the project. That high level of commitment and execution gave them the ability to rely on the model. When surveyed, principals in the design firms estimated that because of co-location, the rapid pace of the project, and exposure to the whole design and construction process, the careers of younger design team members were accelerated by 3-5 years.



50 FIFTY TOWER

Denver, Colorado

Completed: 2018

Role of Nominee: Director of Design Services for Hensel Phelps

Greg worked with Clutch Design and the specialty trades during pre-construction to ensure the owner's vision for the project could be satisfied.

This project in the Denver Tech Center includes the construction of a 12-story above grade and 2-story below grade office tower with enclosed parking garage and ground floor retail space.

Emphasis for the building is natural light on the building's exterior and interior. The building was designed to meet LEED certified status and achieved LEED Gold.



UNITED STATES FEDERAL COURTHOUSE

San Diego, California

Completed: 2015

Role of Nominee: Director of Preconstruction, Procurement, and Design Management for Hensel Phelps

As part of the GSA's Design Excellence program, the courthouse was a bridged design-build project. The team worked closely with GSA's designers to ensure the design intent and design excellence goals were realized. Partnering played a pivotal role in achieving overall budget, schedule, quality, and safety of the project. Partnering led to a truly World Class Project. The DB team was selected for the 2013 Excellence in Partnering Award by the AGC of California.



GSA BENJAMIN P. GROGAN JERRY L. DOVE FEDERAL BUILDING

Miramar, Florida

Completed: 2015

Role of Nominee: Director of Design Services, Procurement and Preconstruction Services for Hensel Phelps

Part of the GSA's Design Excellence program, GSA Administration selected the design-build team of Gensler/Hensel Phelps on this bridged project designed by Krueck and Sexton.

The project was designed and built to LEED Platinum Core and Shell certification standards and LEED Gold for Commercial Interiors certification standards.



ALASKA AIRLINES TERMINAL 6 RENOVATION AT LAX

Los Angeles, California

Completed: 2012

Role of Nominee: Director of Design Services for Hensel Phelps

What started as a baggage handling system modernization turned into a full-scale renovation of Terminal 6 at LAX. The design-build team achieved major design and construction milestones with no disruption to flight schedules and minimal disruption to the traveling public. The team was able to mitigate the extraordinary design and constructability challenges associated with airport renovation through use of Building Information Modeling, which represented the standard by which trades coordinated their work.



UNIVERSITY OF CALIFORNIA IRVINE HUMANITIES BUILDING

Irvine, California

Completed: 2012

Role of Nominee: Greg managed the design competition for Fentress before transitioning to Hensel Phelps where he continued with project oversight as Director of Preconstruction.

This is the "signature" gateway to the School of Humanities, anchoring the quad while serving as a front door and ambassador for the academic and public communities. Expressing both the formal and exploratory nature of the Humanities, the building's formal entry façade mirrors the architectural order of the existing buildings around the quad and conveys a historical dignity, while the courtyard side face breaks free with a more organic, free-flowing design of curving concrete and metal/glass panels.



MINETA SAN JOSE INTERNATIONAL AIRPORT TERMINAL AREA IMPROVEMENT PLAN

San Jose, California

Completed: 2010

Role of Nominee: Project Manager of Procurement for Fentress Architects

The design-build team of Fentress/Hensel Phelps was awarded their first truly Progressive Design Build project based on qualifications. Greg was instrumental in the proposal, interview and working with the project inception teams. The first thing the team did was consider all project challenges and risks – a design build best practice. This led them to propose to the client that they abandon the masterplan they had developed over the past seven years and consider an alternate strategy that ultimately saved the client \$58 million and delivered a world-class facility ahead of schedule.



SAN JOAQUIN COUNTY ADMINISTRATION BUILDING

Stockton, California

Completed: 2009

Role of Nominee: Principal in Charge for Fentress Architects and Director of Preconstruction for Hensel Phelps

A complex folded plate curtainwall entry element required a thorough vetting to assure the design elements could be achieved. Greg worked closely with the specialty trades during competition to assure the feature could be built within the schedule and the budget. Post award, he worked with Hensel Phelps, the Design-Builder on quality assurance, quality control, developing and implementing the systems to assure criteria compliance, constructability and bid packaging.



DENVER JUSTICE CENTER

Denver, Colorado

Completed: 2008

Role of Nominee: Design Services Manager for Hensel Phelps

The project was an early implementation of BIM across design and construction. Greg worked with the preconstruction team to establish BIM execution strategies that would allow the construction team to utilize the design models for coordination.

Located in the heart of Denver's historic Civic Center District, the project comprises a new courthouse building with 35 courtrooms and space for related users, temporary inmate holding, and below grade parking; and a detention facility building that provides a fully functional, multi-custody jail facility for pre-sentenced individuals, and administrative support facilities for all associated departments.



RUSH HUDSON LIMBAUGH SR. U.S. COURTHOUSE

Cape Girardeau, Missouri

Completed: 2006

Role of Nominee: Principal in Charge/Project Manager for Fentress Architects

Under GSA's Design for Excellence Program, Fentress Architects and PCL Construction won the first-ever national design competition for a genuine design-build courthouse.

The four-story courthouse accommodates three courtrooms and 100 employees, and features a full height atrium as its centerpiece.

Designed post 9/11, the building was the first federal courthouse to include progressive collapse and blast requirements.



SACRAMENTO CITY HALL

Sacramento, California

Completed: 2005

Role of Nominee: Project Manager/Architect for Fentress Architects

The Fentress Architects/Hensel Phelps team won the design build competition for the new Sacramento City Hall and the renovation and seismic upgrade of the historic City Hall. The team worked in a collaborative manner to develop the design with the client, an early version of Progressive Design Build. The team encountered a major challenge when pre-historic human remains were discovered onsite, significantly delaying the project. The team capitalized on the time by resequencing the workflow and buyout, allowing the design team to complete the design and process the shop drawings while capitalizing on market conditions. Savings realized in the buyout of the steel frame were reinvested in the exterior enclosure, adding a metal cornice to the building.



CALIFORNIA DEPARTMENT OF EDUCATION HEADQUARTERS

Sacramento, California

Completed: 2002

Role of Nominee: Project Manager/Architect for Fentress Architects

This building was the most ambitious green-building initiative ever undertaken by the State of California. Under Greg's leadership the team proposed 110 sustainable initiatives and implemented 45 to achieve the state's goals. The building's success paved the way for the State of California to adopt full service Design-Build for future projects. The project raised the bar for standards for sustainable design and for the quality of the indoor environment.



INVESCO FIELD AT MILE HIGH (BRONCOS)

Denver, Colorado

Completed: 2001

Role of Nominee: Project Manager for Fentress Architects

This was an early application of Autocad on a large complex design-build project. Engaging the design builder in a collaborative environment, the project overcame challenges such as release of the site, extensive design review board reviews and comments, and a hard date for completion in order to meet the opening day schedule. The stadium's design is forward-looking, incorporating much of what had been learned about stadium architecture over the previous decade. Mile High stadium set a precedence for design build that many NFL teams would follow.



DAVID E. SKAGGS RESEARCH CENTER (NOAA)

Boulder, Colorado

Completed: 1999

Role of Nominee: Project Architect/Project Manager for Fentress Architects

Greg became Project Manager for the project once design concepts were completed. This was a hard bid project with Hensel Phelps as the contractor. Experience collaborating on past projects paved the way for how they worked together on this project: collaboration and focus on the end results and no adversarial relationships. The project was an outstanding success from the user's perspective, and has remained timeless as an architectural icon in Boulder.



CITY OF OAKLAND ADMINISTRATION BUILDINGS

Oakland, California

Completed: 1998

Role of Nominee: Project Architect and Contract Administrator for Fentress Architects

A three-building complex with a renovation and seismic upgrade of the historic Broadway Building, this project was one of the largest design build projects in the nation at the time. This is where Greg learned the importance of attention to detail in the building envelope and the complexity of contracting the specialty trades to assure there were no gaps in the process that would affect the quality of the installation or the integrity of the design.



NATURAL RESOURCES BUILDING

Olympia, Washington

Completed: 1995

Role of Nominee: Project Manager/Architect for Fentress Architects

This was an early example of Design Build project delivery, and the first Design-Build competition Fentress Architects or Hensel Phelps was involved in. The team won the competition, but were challenged with significant budget issues. The design team worked closely with the builder and the trades to develop a building envelope that satisfied the design aesthetics of the competition, and met the budget constraints—the first example of the “design to budget while achieving design excellence” philosophy. The entire team worked collectively to solve challenges and optimize the outcome.



DENVER INTERNATIONAL AIRPORT PASSENGER TERMINAL

Denver, Colorado

Completed: 1995

Role of Nominee: Project Architect for Fentress Architects

Greg worked on a number of tenant projects at DIA such as retail and rental car facilities, and a commercial vehicle staging facility, but what may be his greatest contribution to the overall design was a technical issue. The fire marshal required mechanical ventilation at the tops of the fabric tent roof's apex. Greg proposed a construction method similar to marine boat construction, using a formed fiberglass shell with a Teflon coating to mimic the draped fabric of the forms that give the Terminal its distinctive look.



JEFFERSON COUNTY GOVERNMENT CENTER

Golden, Colorado

Completed: 1993

Role of Nominee: Project Architect for Fentress Architects

Greg managed design document production and coordination of the mechanical and electrical systems. The two-building design concept ran into political friction when the commissioners balked at the courts building being taller than the county building. Greg's solution was to remove the mechanical penthouse from the courts building and place it on the county building. The two were then joined by a large ring below the dome, creating an atrium between the buildings. This move had two important results: the buildings were now the same height, eliminating the commissioners' concerns; and mechanical costs were reduced because acoustical concerns in the courtrooms were minimized.



COLORADO CONVENTION CENTER

Denver, Colorado

Completed: 1990

Role of Nominee: Project Architect for Fentress Architects

This was a developer-led site selection competition. The developer with the fledgling team of Fentress Architects and Hensel Phelps won the competition and the team successfully completed the center in 24 months. Greg worked on the submittal and initial design concepts. The ability to work directly with the builders was enlightening for Greg, learning firsthand how design decisions directly impacted the schedule and constructability of the project. With the estimators embedded in the office with the team, Greg learned the concept of designing to budget in real time.



ONE DTC

Denver, Colorado

Completed: 1985

Role of Nominee: Job Captain for Fentress Architects

This was Fentress' first project to utilize CAD drafting, and the firm's first set of CAD construction documents. This established them as a cutting-edge user of new technologies and first in Colorado

The building integrates the most advanced facility management and energy systems with shared telecommunications and information systems. The project required adherence to stringent architectural controls, a strong image, visibility, a sense of permanence and maximum views of the Rocky Mountains.

Presentations & Lectures

Greg is a sought-after national speaker on integrated design and construction for AIA, DBIA, and other industry-related organizations. He is also a certified DBIA instructor.

2021

- **The Next Wave – Progressive Design-Build: Designers’ Perspective, AIA San Francisco Chapter, San Francisco, CA**
- DBIA Utah Chapter
There is a Better Way to Build, Webinar

2020

- **The Role of Effective Teaming in Managing Risk – The Designers Perspective, Moderator, AIA Project Delivery Symposium “Delivering the Future,” Washington, DC**
- DBIA Series Design-Build Delivers / Podcast *You Can Manage Risk, If You’re Willing to Collaborate*

2019

- **The Role of Effective Teaming in Managing Risk – The Designers Perspective, Moderator, Third Annual AIA Project Delivery Symposium “Delivering the Future,” Washington, DC**
- *Delivering Red-Hot Design-Build in a White-Hot Market*, Presenter, Federal Design-Build Symposium, Washington DC

2018

- **Design Build and Design Build Best Practices, AIA Project Delivery Knowledge Community, AIA National Conference New York City, NY**

- *Design Excellence in Design Build* Regional Conference
Design Build Institute of America
Anaheim, CA
- *Key Performance Indicators*
AGC National Conference
San Antonio, TX

2017

- **Disruptive Technologies: New Tools to Overcome Project Challenges**
AIA National Conference
Philadelphia, PA
- **Design Build and Design Build Best Practices**
AIA Project Delivery Knowledge Community
AIA National Conference, Philadelphia, PA
- **AIA Innovation Awards**
Hensel Phelps, Denver, CO
- **AIA Project Delivery Knowledge Community, Hensel Phelps, Denver, CO**
- *Reality Capture and Augmented Reality*
Hensel Phelps, Denver, CO
- DBIA Academic Instructor Training:
Research in Integrated Project Delivery
Hensel Phelps, Denver, CO

2016

- **Design Build Best Practices**
AIA Colorado, Denver, CO
- **Maximizing Success on Integrated Projects**
Saratoga Design Conference
AIA New York Annual Conference
Saratoga, NY
- *Design Build Best Practices for the Professional Estimator*, ASPE National Conference, San Diego, CA
- DBIA Academic Instructor Training:
Research in Integrated Project Delivery
- AISC Panel Presentation: *Why Not Steel?*
Hensel Phelps, Denver, CO

- *ASPE: Promises v. Reality*
Hensel Phelps, Denver, CO

2015

- **Managing Uncertainty**
AIA National Conference, Atlanta, GA
- **Design Build Best Practices for Architects**
AIA National Conference, Atlanta, GA
- **Architects & Innovation**
AIA National Conference, Atlanta, GA
- **Design Build Fundamentals**
AIA Colorado, Denver, CO
- *Design Build Fundamentals*
Denver International Airport Aviation
Project Management Team, Denver, CO
- *Design Build Best Practices*
Denver International Airport Aviation
Project Management Team, Denver, CO
- *Design Build Post Award*
Denver International Airport Aviation
Project Management Team, Denver, CO
- *Design Build Best Practices Webinar*
General Services Administration
Headquarters, Washington, DC
- *Maximizing Success on Integrated Projects*
Construction Industry Institute Annual
Conference, Boston, MA

2014

- **Colorado ARE Educational Series**
AIA Colorado, ARE Design and
Construction, Denver, CO
- **ArchEx Design-Build Best Practices**
AIA Virginia Annual Conference
Richmond, VA
- *3D Scanning and As-Built Modeling*, SPAR
Conference, Colorado Springs, CO

Red type denotes
AIA event



Presentations & Lectures (cont)

- *Project Delivery Knowledge Community Business Connections Congress*
Washington, DC
- *Integration of Virtual Design and Construction*
AGC BIM Forum, Dallas, TX
- *Integration of Virtual Design and Construction*, Design Build Institute of America Annual Conference, Denver, CO

2013

- ***The Future is Now: Design Build Best Practices***
AIA National Conference, Denver, CO
- ***Design Excellence Through Design Build***
AIA AAJ National Conference, Portland, OR
- ***Colorado ARE Educational Series***
AIA Colorado ARE Design and Construction
Denver, CO
- *The Business of the Blur: Concurrent Design and Construction*, ENR Future Tech, New York

2012

- *Design Management for Design Build and Design Assist*, Zurich Insurance, Englewood, CO

2002 – 2003

- *State of California's First Comprehensive "Green" Building Project: California Department of Education Headquarters*
USGBC, Sacramento, CA
- *Lean & Green Design-Build & Sustainability*
Design Build Institute of America,
2002 Professional Design-Build
Conference, Denver, CO



- *Tuesday with the EPA: California Department of Education Headquarters*
- *Presentation at the Zig: Capitol Area East End Complex Block 225, Dept. of General Services, State of California, Sacramento, CA*

Visiting Lecturer

- Colorado State University
School of Construction Management
Fort Collins, CO
- University of California San Luis Obispo
School of Architecture
San Luis Obispo, CA
- University of California, Irvine School of Architecture and Planning School of Business
Irvine, CA
- University of Colorado
School of Engineering
Boulder, CO
- University of Denver
Daniels College of Business
Denver, CO
Annually

The Charles Pankow Foundation sponsors scholarships to academics to get trained in the basic DBIA course, so they can introduce content into curriculum.



PDKC "Delivering the Future" symposium



Federal Design-Build Symposium



Design-Build education workshop at University of Denver

Juries

AIA 2016 TAP/CCA Innovation Award

Jurist

Design-Build Competition

UC Irvine Performing Arts Center
Guest Jurist

ASE Student Design-Build Competition

Jurist and Developer of Competition 2007 – 2012

DBIA Student DB Competitions

Jurist

Urban Confluences International Placemaking Competition

San Jose, CA, 2019

Advisor to the competition and the competing teams

Civic Involvement

National Sports Center for the Disabled Wells Fargo Cup

Annual corporate fundraising event at Winter Park Ski Resort in Colorado. Each team includes a disabled skier plus a number of skiers from corporate sponsors. The event culminates with able-bodied skiers competing against world-class disabled skiers.

AEC Cup Charity Event

Greg proposed an additional day of racing just for the AEC industry. Each team includes a disabled athlete and the winner receives a trophy engraved with the name of the company. The trophy travels to the winner's office every year.

Volunteer Involvement

Community

Greg participates in numerous community events that Hensel Phelps sponsors such as Weld County United Way, Amp the Cause, Boys and Girls Clubs, and other organizations. Whenever possible, Greg volunteers or gathers his department to purchase and donate items for silent auctions. Events include stuffing bags, wrapping gifts for the needy during the holidays, and painting and landscaping a youth halfway house.

Douglas Land Conservancy

Established to procure open space and private lands into a land conservancy to protect the rural nature of the county in which he resides, Greg assists with promotion of events such as the week-long Plein Air painting event that raises money for the Conservancy.

Douglas County Grange

This historic property in Greg's community was not code compliant. Greg designed and installed ADA compliance updates including new egress stairs and handrails.






Academic

- Colorado State University, Guest Lecturer on Design Build for School of Construction Management
- University of Colorado Boulder, Guest lecturer on Design Build for School of Engineering
- University of Denver, Guest lecturer on Design Build for School of Real Estate and Construction Management
- Cal Poly San Luis Obispo, Industry Advisor for California Center for Construction Excellence (CCCE) 2010 – 2014
- University of Colorado Denver, Guest lecturer and industry advisor to the Construction Engineering Management (CEM) graduate program
- Arapahoe Community College, Littleton, CO, Industry Advisor to the Architecture and Construction Management programs

 DOUGLAS LAND CONSERVANCY

 BOYS & GIRLS CLUBS
METHUEN DIVISION

NATIONAL
SPORTS CENTER
FOR THE DISABLED

	2018 AIA Chicago Chapter 2016 AIA Chicago Chapter 2012 AIA Colorado 2008 AIA Colorado 2006 AIA Colorado 2011 AIA Denver 2011 AIA Santa Clara Valley 2007 AIA Western Mountain Region	Distinguished Building Award Divine Detail Award Merit Award Merit Award Citation Award Merit Award Citation Award Citation Award	Benjamin P Grogan Jerry L Dove Federal Office Benjamin P Grogan Jerry L Dove Federal Office Mineta San Jose International Airport Sacramento City Hall Colorado Convention Center Phase II Mineta San Jose International Airport Mineta San Jose International Airport Colorado Convention Center Phase II
	2015 DBIA Florida 2015 DBIA National 2015 DBIA National 2015 DBIA National 2015 DBIA National 2015 DBIA National 2012 DBIA National 2011 DBIA National 2010 DBIA National 2003 DBIA National 2003 DBIA National 2006 DBIA Rocky Mountain Region 2011 DBIA Western Pacific Region 2010 DBIA Western Pacific Region 2007 DBIA Western Pacific Region	Best Overall Design-Build Project of the Year Federal Project of the Year Excellence in Architecture Design Excellence in Process Project of the Year Merit Award in Federal, State, Municipal Federal Project of the Year Honor Award Excellence Award 1st Place, Best Public Sector Building \$25-50M Excellence Award, Public Sector over \$15 million Design Excellence Award Excellence Award Excellence Award Merit Award, Public Sector Building over \$15M Excellence Award	Benjamin P Grogan Jerry L Dove Federal Office Benjamin P Grogan Jerry L Dove Federal Office Benjamin P Grogan Jerry L Dove Federal Office Benjamin P Grogan Jerry L Dove Federal Office Benjamin P Grogan Jerry L Dove Federal Office Benjamin P Grogan Jerry L Dove Federal Office Alaska Airlines Terminal 6 Renovation at LAX Mineta San Jose International Airport Humanities Gateway Building at UCIrvine California Dept of Education Headquarters Colorado Convention Center Phase II Sacramento City Hall Mineta San Jose International Airport Humanities Gateway Building at UCIrvine Sacramento City Hall
	2016 ABC East Coast Chapter 2013 ABC National 2019 ABC Rocky Mountain Chapter 2019 ABC Rocky Mountain Chapter 2019 ABC Rocky Mountain Chapter 2012 AGC California 2014 AISC 2016 Alliant 2014 American Inst. of Steel 2011 American Inst. of Steel 2005 American Inst. of Steel 2006 California Preservation 2015 Chicago Athenaeum 2012 Chicago Athenaeum 2008 Chicago Athenaeum 2015 CMAA 2004 Colorado Construction Magazine 2015 ENR 2010 ENR 2013 ENR Best Projects 2015 ENR Southeast Best Projects 2015 GSA 2015 GSA 2020 Int'l Partnering Institute (IPI) 2019 Pacific Coast Builders Conference 2010 Pacific Coast Builders Conference 2006 Pacific Coast Builders Conference 2005 Pacific Coast Builders Conference 2003 Pacific Coast Builders Conference 2007 Prestressed Concrete Institute 2005 Sacramento Business Journal 2003 State of California 2006 Woodwork Institute	Excellence in Construction Eagle Award Excellence in Construction Pyramid Award Project of the Year Excellence Award Free Enterprise Award Excellence in Partnering Award Innovative Design with Structural Steel > \$75M Build America Award I.D.E.A.S. National Award I.D.E.A.S. National Award I.D.E.A.S. National Award Design Award, Contextual In-Fill Category American Architecture Award American Architecture Award American Architecture Award Project Achievement Award Gold Award Outstanding Public Project Best of the Best Project Best of the Best Project Best of the Best Project Best Government/Public Building Best Government/Public Building Project Management Award GSA Design Excellence Citation Diamond Partnering Level Award Gold Nugget Awards, Merit Award Gold Nugget Awards, Merit Award Gold Nugget Awards, Merit Award Gold Nugget Grand Award Gold Nugget Merit Award Design Award (co-winner) Best Government Bldg Real Estate Project of the Year Governor's Environmental & Economic Leadership Award Bernard Barber Jr. Award for Excellence	Benjamin P Grogan Jerry L Dove Federal Office US Federal Courthouse San Diego 50Fifty Tower 50Fifty Tower 50Fifty Tower US Federal Courthouse San Diego US Federal Courthouse San Diego Benjamin P Grogan Jerry L Dove Federal Office US Federal Courthouse San Diego Mineta San Jose International Airport Colorado Convention Center Phase II Sacramento City Hall Benjamin P Grogan Jerry L Dove Federal Office Mineta San Jose International Airport Benjamin P Grogan Jerry L Dove Federal Office Mineta San Jose International Airport US Federal Courthouse San Diego Benjamin P Grogan Jerry L Dove Federal Office Benjamin P Grogan Jerry L Dove Federal Office Benjamin P Grogan Jerry L Dove Federal Office Mineta San Jose International Airport, 2019 McGregor Square Humanities Gateway Building at UCIrvine Sacramento City Hall Colorado Convention Center Phase II California Dept of Education Headquarters Sacramento City Hall Sacramento City Hall California Dept of Education Headquarters Sacramento City Hall

Contributor/Advisor

- “Professional’s Guide to Managing the Design Phase of a Design-Build Project” Charles Pankow Foundation, *Contributor*
- BIM Project Execution Planning Guide v. 2.2 Construction Innovation Center, Penn State University Park, PA
Advisory Board Member, CPF
- BIM Planning Guide for Facility Owners Penn State, University Park, PA
Advisory Board Member, CPF
- “Maximizing Success in Integrated Projects: The Owner’s Guide,” Charles Pankow Foundation and CII, *Advisory Board Member*
- “Design-Build Essentials” Barbara J. Jackson, PhD, DBIA
- “Managing Uncertainty and Expectations in Building Design and Construction” McGraw Hill Construction produced in partnership with AIA Large Firm Roundtable
- Impact of Team Integration and Group Cohesion on Project Delivery Performance” Scholarly Article
- “Impact of Project Delivery on Achieving Sustainable High-Performance Buildings” University of Colorado Research Grant

About Projects

McGregor Square

- “How McGregor Square is Transforming Denver’s LoDo District” *Conde Nast Traveler*, April 23, 2021
- “A Major League Team Effort,” *Colorado Construction and Design*, June 11, 2020
- “Beloved Denver Bookstore Moving to McGregor Square,” *milehighcre.com*, May 4, 2020
- “Denver’s McGregor Square Will Become City’s Newest Mixed-Use Venue” *ENRMountain States*, April 13, 2020
- “Bank of Colorado and UMB Bank Provide Funding for McGregor Square” *milehighcre.com*, March 11, 2020
- “Colorado Rockies’ McGregor Square development wins 2019 Gold Nugget Awards” *milehighcre.com*, June 30, 2019
- “Hensel Phelps breaks ground on a \$250 million Colorado Rockies Development in Denver,” *Construction Today*, May 16, 2019
- “Boulder, Greeley firms chosen for Rockies’ project,” *BizWest.html*, December 1, 2017

Lockheed Martin Gateway Center

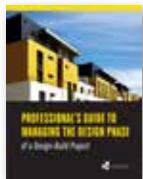
- “Lockheed Martin Completes Foundation for Satellite Factory of the Future” February 27, 2018
- “Lockheed Martin Teamed Up Again With Hensel Phelps to Build Its New Gateway Center,” *Construction Today*, December 2017

50 Fifty DTC

- “50 Fifty DTC Nears Completion” *Colorado Real Estate Journal* May 2, 2018
- “50 Fifty Sets Sail in the Denver Tech Center” *Colorado Real Estate Journal Building Dialogue Magazine* August 31, 2018, <https://crej.com/news/50-fifty-sets-sail-in-the-denver-tech-center/>

Benjamin P Grogan Jerry L Dove Federal Building

- Krueck and Sexton Architects *Architect Magazine*, April 1, 2015
- “Redefining Project Delivery” *The Military Engineer*, No. 684
- “South Florida FBI building is unexpected architectural jewel in the wetlands” *Miami Herald*, September 25, 2015
- “Best of the Best Public Building” *Engineering News-Record*, March 9, 2016 <https://www.architectmagazine.com/project-gallery/benjamin-p-grogan-and-jerry-l-dove-federal-building>



About Projects (cont)

Mineta San Jose International Airport Terminal Area Improvement Program

- "Terminal B at San Jose Airport Lands LEED Silver After Major Green Renovation" *Inhabitat.com*, September 2, 2011
- "Takeoffs That Helped Land an Aviation Marvel," *Modern Steel Construction*, July 2011
- "High-tech art welcomes passengers at San Jose International Airport" *USA Today*, September 16, 2010
- "Silicon Valley's High-Tech Airport" *Constructor*, September/October 2010
- "San Jose Sky-Hub Expansion Making a Smooth Landing," *Engineering-News Record*, July 26, 2010
- "Airport Check-in: new terminal to open at San Jose," *USA Today*, June 19, 2010
- "San Jose Improves Its Airport," *The New York Times*, October 25, 2009
- "Civic Icon," *Passenger Terminal World*, November 1, 2008

Sacramento City Hall

- "Jumpstarting the Heart of a City," *Architect Colorado*, Summer 2006
- "Best Public Project: Sacramento City Hall," *Sacramento Business Journal*, February 24, 2006
- "New chamber gets glowing reviews as council holds its first session there," *The Sacramento Bee*, July 22, 2005
- "Embracing the Past," *The Sacramento Bee*, May 25, 2005

San Joaquin County Administration Building

- "Project of the Year: Structures \$25M-\$75M," APWA, July 2010

- "A Showcase in Stockton," *Modern Steel Construction*, June 2010
- "Standing Tall," *Business Excellence*, March 2009

University of California Irvine Humanities Gateway

- "LEED Platinum Certification Awarded to Humanities Gateway Building" *Azocleantech.com*, December 19, 2011
- "Design/Build Contracting," *Concrete Construction*, June 2010
- "A Foreground Façade in the Interior: Fentress Architects' Solution to a Campus Contextual Issue," *Competitions*, Fall 2008
- "Campus Gateway: New UC Irvine Humanities building offers 'tricky' design," *California Construction*, July 2008

Alaska Airlines T6 Renovation at Los Angeles International Airport

- "LA Mayor Villaraigosa, Los Angeles World Airports announce \$271M renovation of LAX Terminal", *dailynews.com*, April 4, 2011
- "Alaska's move to Terminal 6 to begin revamp of LAX domestic terminals" *DailyBreeze.com*, August 9, 2010
- "New Alaska Airlines terminal dedicated at LAX", *Los Angeles Times*, March 28, 2012

California Department of Education HQ

- "California's Valedictorian: Department of Education Headquarters," *High Performance Buildings*, Fall 2009
- "East End Project Earns LEED Gold Certification," *California Architects Board* Winter 2003
- "California's Greenest Government Center," *eco-structure*, Fall 2003
- "Once Skeptics: Builders See Green in 'Green'," *The Wall Street Journal* July 10, 2002

About Greg Gidez

- "Two Industry Leaders Join the Board of the Charles Pankow Foundation" October 3, 2019
<https://www.prnewswire.com/news-releases/two-industry-leaders-join-the-board-of-the-charles-pankow-foundation-300930358.html>
- DBIA Leadership Team
<https://dbia.org/team/greg-gidez/BIM>
- "Hensel Phelps' Greg Gidez Receives the Design-Build Industry's Highest Distinction" November 9, 2018
- "Q&A with Director of Design Services at Hensel Phelps, Greg Gidez" *Mile High CRE*, August 8, 2018



About Design Build

- "How the Design-Build Method Helps Manage Volatile Material Costs" *Engineering News-Record*, June 7/14, 2021
- "Contractors Increase Use of In-House Design to Better Manage Project Demands" *Engineering News-Record*, April 3, 2019
- Industry Protests Increased Use of Single-Step Design-Build by Army Corps *Engineering News-Record*, July 23, 2012
- "Pankow Foundation Releases Free Owner's Guide for Maximizing Integrated Building Teams," *Engineering News-Record*, June 1, 2015
- "Impact of Team Integration and Group Cohesion on Project Delivery Performance" *Journal of Construction Engineering and Management*, January 2017

Section 3: EXHIBITS

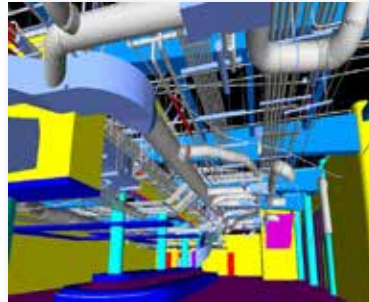


1



FROM DESIGN TO
DESIGN-BUILD

2



ADOPTING & ADVANCING
INNOVATIVE TECHNOLOGIES

3



CHARLES PANKOW
FOUNDATION LEADERSHIP

4



PROJECT DELIVERY
LEADERSHIP: INTEGRATION

5



CALIFORNIA DEPARTMENT OF
EDUCATION HEADQUARTERS
Sacramento, California

6



ALASKA AIRLINES TERMINAL 6
at LAX, Los Angeles, California

7



HUMANITIES GATEWAY BUILDING
University of California Irvine
Irvine, California

8



GSA BENJAMIN P. GROGAN AND
JERRY L. DOVE FEDERAL BUILDING
Miramar, Florida

9



LOCKHEED MARTIN
GATEWAY BUILDING
Littleton, Colorado

**SIGNIFICANT AWARDS OF
FENTRESS ARCHITECTS +
HENSEL PHELPS D-B TEAM****Mineta San Jose
International Airport**

- 2012, AIA Colorado, Merit Award
- 2011, AIA Santa Clara Valley Citation Award
- 2011, AIA Denver, Merit Award
- 2011, DBIA National Excellence Award
- 2011, DBIA Western Pacific Region Excellence Award
- 2011, American Inst. of Steel Construction I.D.E.A.S. National Award
- 2012, Chicago Athenaeum American Architecture Award
- 2010, ENR, Best of the Best Project

Sacramento City Hall

- 2008, AIA Colorado, Merit Award
- 2006, DBIA Rocky Mountain Region Excellence Award
- 2007, DBIA Western Pacific Region Excellence Award
- 2006, California Preservation Foundation Design Award for Contextual In-fill
- 2006, Pacific Coast Builders, Gold Nugget Merit Award
- 2007, Prestressed Concrete Institute, Design Award Best Government Building (co-winner)
- 2005, Sacramento Business Journal, Real Estate Project of the Year

**Alaska Airlines Terminal
6 Renovation at LAX**

- 2012, DBIA National Honor Award

Humanities Gateway Building at UCI

- 2010, DBIA National, 1st Place Best Public Sector Building \$25-50M
- 2010, DBIA Western Pacific Region, Public Sector Building over \$15M
- 2010, Pacific Coast Builders Gold Nugget Award

CHALLENGE Technology disrupted the architectural industry earlier than it disrupted the construction industry, but it has caught up with the construction industry. When Greg began his career in 1982, architects were still drafting by hand. He and many others like him, learned how to use technology to advance design. They taught it to others and it changed the complexity of their design and the speed at which it could be done. At the time Greg transitioned to Hensel Phelps, design build was still not widely applied or well understood in either the architectural or construction communities. It was not clear how team integration could optimize value.

ROLE Greg has worked to improve the efficiencies of the process, integrating design solutions with construction solutions to allow the design team to focus efforts where it matters most – on the design. He began his career working on the design side under the tutelage of Curt Fentress, FAIA, and Jim Bradburn at Fentress Bradburn Architects. Over the next 26 years he mastered the craft of alternative project delivery and developed the expertise to champion design with the builder. In 2007 he moved to the construction side **to advance the value of the architect and the notion of design excellence** for a large national contractor. He continues to work with many renowned architectural firms.

STRATEGIES From the beginning of his career Greg passionately dogged the technology shift through the adoption, advancement, integration, education, and leadership of multiple types of new technologies and delivery methods within both design and construction **to move the industry forward in a more efficient, creative, collaborative, and cost effective way.** Greg worked on a highly successful string of Fentress Architects/Hensel Phelps design-build projects, establishing the processes and tools to **successfully execute design build while achieving design excellence.**



Natural Resources Building in Olympia, Washington, the first design build competition win for both Fentress and Hensel Phelps

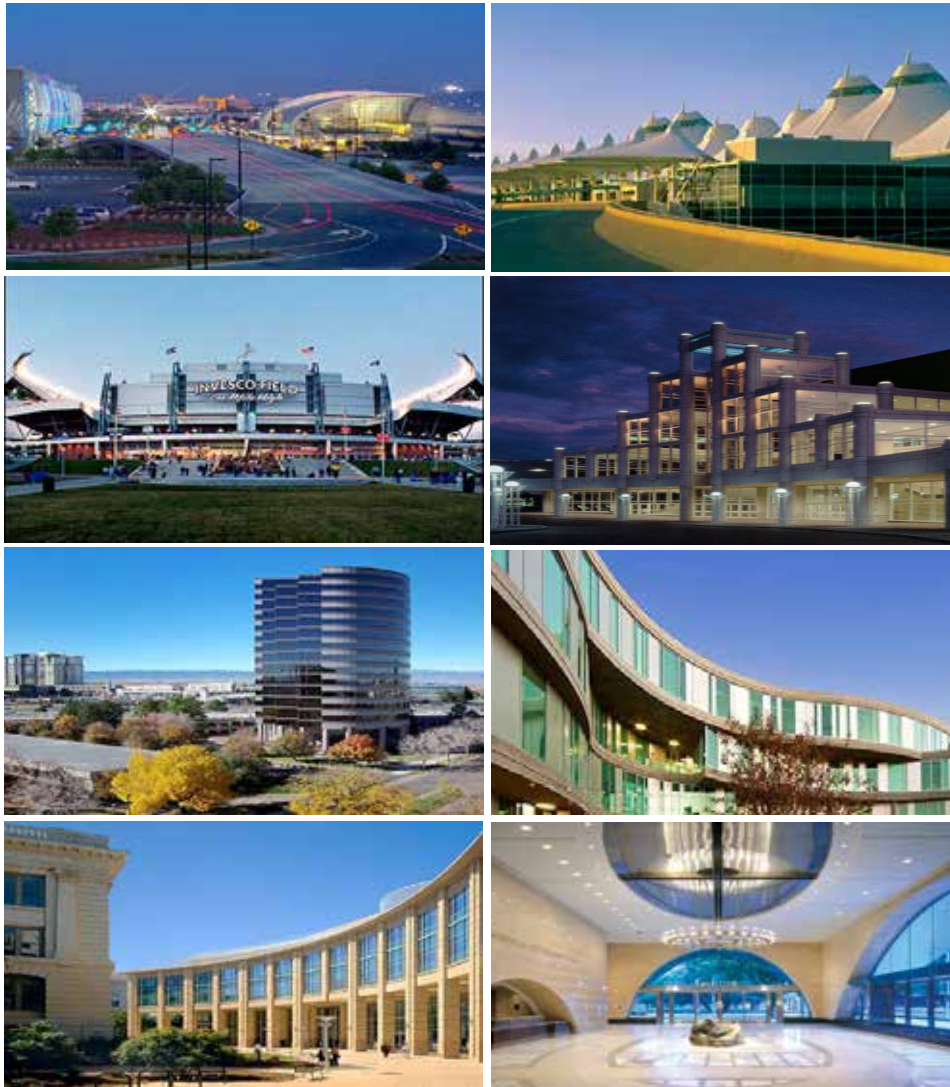
**OTHER DESIGN FIRMS GREG
HAS WORKED WITH:**

Clutch Design	Cannon
Davis Partnership	Dreyfuss & Blackford
Gensler	Gordon Chong
HDR	HOK
HNTB	Jacobs
Johnson Fain	Krueck & Sexton
Michael Graves	Richard Meier
Stantec	Steinberg Hart
TVS	ZGF

DECLARATION OF RESPONSIBILITY

I have personal knowledge that the projects in this exhibit were under the direct supervision of the nominee and/or completed by the firm of the nominee.

Curtis W. Fentress
Principal in Charge of Design
Fentress Architects



ACROSS TOP FROM LEFT TO RIGHT: Mineta San Jose Intl Airport Terminal B, Denver International Airport Passenger Terminal, Broncos Stadium, Colorado Convention Center, DTC One, UCI Humanities Gateway, Sacramento City Hall, California Education Headquarters

RESULTS

Greg worked as project architect, job captain, project manager, or principal in charge on many of the 60+ design-build projects completed by the team of Fentress Architects and Hensel Phelps prior to his transition to Hensel Phelps. The projects comprise over 20.8 million square feet.

Greg's innovative approach to design build and his ability to champion design excellence, sustainability, and collaboration with architects, engineers, and owners has made Hensel Phelps the **#4 Design Builder, #1 Federal Design Builder, and #1 aviation design builder in the country.**

Fentress Architects has been an industry leader in design build since 1987. They are one of the top airport terminal designers in the nation.

During Greg's tenure, Hensel Phelps has grown from a traditional bid construction company to one of the most respected design builders in the nation with a corporate philosophy of **"Delivering Excellence."**

Design-Build projects by Fentress and Hensel Phelps have received more than **63 industry awards, including 4 from AIA and 15 awards for excellence from DBIA.** Hensel Phelps has 8 national Design-Build awards and 30 Design-Build Excellence Awards.

"Greg's contribution to Hensel Phelps has been immeasurable. He brought a skillset that changed the way we interact with our design partners. Greg's unwavering passion for the design-build delivery method has fostered a collaborative environment at Hensel Phelps that is unmatched in the industry. His contribution has been transformational to our organization."

Mike Choutka
President | CEO
Hensel Phelps

The Architectural, Engineering, and Construction industries have undergone major metamorphoses over the last three decades. The introduction of technology into architecture revolutionized the architect’s ability to draw quickly, accurately, and with more complexity. It accelerated the pace at which a client could review and suggest changes. Now, not only does the architect have access to these technological tools, so too do the trades. The use of technology across the industry has exponentially increased the speed at which design decisions must be made. **These changes in technology made it imperative that the processes and work flow adjust accordingly.**

CHALLENGE Start a Building Information Modeling Department for Hensel Phelps and develop the personnel, tools and services to support the construction process. By working alongside the builders during the 26 years Greg worked on the architectural side of design build, he was learning firsthand how to draw more efficiently – what contractors needed and didn’t need.

ROLE As Director of Design Services for Hensel Phelps, Greg has been involved in the procurement, planning and execution of design build and integrated projects across the country. He developed the company’s Preconstruction Manual, including Design Management, and implemented comprehensive Building Information Modeling project execution strategies for design build. The manual is used extensively for training and implementation.

RESULTS

- Started the Building Information Modeling Department at Hensel Phelps (2007), currently recognized as a top 5 BIM Contractor by *Building Design and Construction* (since 2013)
- Integrated BIM into the design-build process **to capitalize on integration of design**
- Integrated advanced virtual design and construction (VDC) and other disruptive technologies such as reality capture and autonomous drone technology into the workflow of Hensel Phelps
- Adopted laser scanning for design and spatial coordination, existing conditions, constructability, and quality control
- Adopted augmented reality for training, visualization, what-if scenarios, and fundraising.
- Learned that the continuity of software maximizes value
- Every Hensel Phelps senior project staff member goes through rigorous training in Design-Build Best Practices, developed by Greg with the DBIA.

Most of the software being developed in the early years of BIM was focused on design. One of the strategies Greg implemented to advance HP’s digital knowledge and skillset, and to provide the tools needed in the field to capitalize on BIM, was to work directly with start-up software companies to develop their products to reflect the needs of the construction side. Greg worked with companies such as Vela, Synchro, and Scenario to develop the products that would enable better integration with design. These companies went on to be industry leaders, some being acquired by companies such as Autodesk.

“Technology changed the speed at which a project can move. It became increasingly important for teams to integrate instead of working in silos.”

Greg Gidez

DECLARATION OF RESPONSIBILITY

I have personal knowledge that the nominee was largely responsible for this exhibit.

Carl Goodiel
VDC Manager
Hensel Phelps



ADOPT — ADVANCE — EDUCATE — INTEGRATE

CAD

Started CAD Department at Fentress Architects; attended training in Huntsville, AL



First set of CAD construction documents produced by Fentress for One DTC, establishing them as a cutting-edge user of new technologies and first in Colorado

3D Modeling

California Education HQ - Developed 3D side of software to tackle challenging geometries that were difficult to resolve and communicate with builder



Intergraph

Trained staff in the use of Intergraph, predecessor to Bentley Microstation

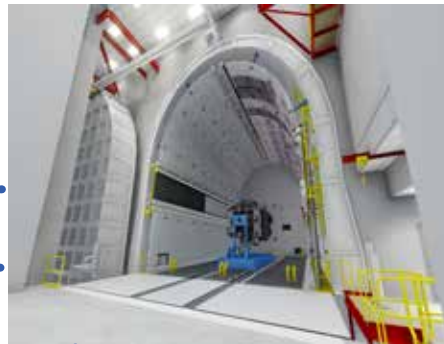
Bentley Micro-Station

AUTOCAD

Transitioned to AUTOCAD on the Broncos Stadium eliminating the need to translate files, enhancing workflow and communication



Reality Capture



Transitioned office to Revit on the San Jose airport. Revit allowed for early integration with the specialty trades in coordination of the building systems.



Revit

All of these technologies came together on the Lockheed Martin Gateway project, fitting for the "Satellite Factory of the Future"

VD&C

3D Printing

Robotics

Drones

Implemented a laser scanning team to document field conditions, reducing the schedule by 6 months and saving \$2.5M in labor

"BIG BLUE" CONFIDENTIAL PROJECT

Laser Scanning

The FBI building utilized a comprehensive BIM approach incorporating the specialty trades into a highly complex exterior enclosure model.



BIM

The Charles Pankow Foundation (CPF) is the only private sector institution focused on improving the AEC industry. It leads collaborations, funds research, delivers solutions, and provides resources and leadership that help the design and construction industry be more innovative, efficient, and cost competitive.

In 2007 Greg was named Industry Advisory Council member for the CPF. He reviewed research proposals from academia and industry, advised on the legitimacy and impact of the research, and **proposed research to further the understanding of how to improve the way we design and construct.**

The research completed has confirmed that integrated project delivery methods such as IPD and Design Build outperformed hard bid projects in terms of cost management, reduced schedule, and quality. **The research has stimulated the conversation nationally on the way we procure, design and construct in the most effective way, without compromise in design or performance.**

During Greg's tenure, the research put forth by the CPF has influenced and changed the design-build industry.

Examples of Research

BIM Planning Guides

With knowledge of the design side, and knowledge of the needs of construction, Greg worked alongside University of Colorado and Penn State to develop the BIM planning guides. The purpose of these guides is to enhance communication and enable effective planning around the rapidly changing BIM model. The guides became the standard BIM planning and execution guides for the industry, and provide a consistent and logical way to capitalize on the technology. Immediately there were fewer conflicts in the field, less rework, and a streamlined coordination process.



Maximizing Success in Integrated Projects

Greg championed this research that produced three key findings:

- 1. Early involvement:** Not only of the primary builder, but also of key design-build or design-assist specialty contractors, is common in the delivery of successful projects. Engaging the core project team members in the design process, before advancing beyond schematic design, is critical to garner the full value from this approach.
- 2. Qualification-based selection:** To enable early, high-quality interactions within the core project team, qualification-based selection of these team members is important.
- 3. Cost transparency:** The use of open book accounting in contracts during the delivery process proved critical in the development of trust within the core project team.



Some of the significant research initiatives completed during Greg's tenure with the CPF:

- *Energizing Innovation in Integrated Project Delivery*, Oregon State University
- *Influence of Project Delivery Method on Achieving Sustainable, High Performance Buildings*, University of Colorado
- *Owner's Guide to Building Information Modeling (BIM)*, Penn State University
- *The Impact of High-Strength Reinforcing Steel on Current Design Practice*, University of Washington
- *BIM Execution Planning (BxP Guide)*, BIMForum, a subsidiary of AGC
- *Owner's Guide to Maximizing Success in Integrated Projects*, University of Colorado/Penn State University
- *Revisiting Project Delivery Performance*, University of Colorado
- *Guidelines to Performance-Based Seismic Design of Tall Buildings*, UC Berkeley
- *Integrated Project Delivery (IPD) Practitioners Guide*, University of Washington, CERC
- *Design Procedure for Dual Plate Composite Shear Walls*, Purdue University



CHALLENGE Having executed dozens of successful design-build projects, and observed failures in others, it was evident to Greg that not all project teams – or owners – understand the fundamental requirements necessary for their projects to succeed in an integrated environment. Many builders and owners don't understand how to effectively interact with their design teams and many design teams don't understand the business aspects and risks associated with design-build project delivery to the owner and the design builder. The CPF decided to take the issue on by developing a useful guide that could inform and educate teams on best practices in managing the design phase of design-build projects.

STRATEGY Greg led a series of multi-day workshops with industry leaders to identify best practices and to develop tools and strategies that encourage collaboration and an integrated team environment. **With input from the AIA**, the information gleaned from these leading subject matter experts was consolidated by technical writers and developed into *The Design Management Guide*. The guide was later updated with a new name: *Professional's Guide to Managing the Design Phase of a Design-Build Project*. A third version is being worked on that will include design-build information on highways, aviation, and infrastructure.

The 85-page Professional's Guide is intended to help owners, designers, and builders working on integrated building projects to achieve success via the unique role of the "design manager." **The design manager is the D-B team's "master integrator," facilitating communication between the owner, the design team and the builder** to assure projects are successful.



ROLE In addition to working with a team to develop the guides, **Greg presented "Design Build Best Practices" at many AIA conferences and chapters and related industries** across the country: AIA Saratoga, AIA Virginia, AIA Atlanta, AIA Colorado, GSA, etc. (see Lectures for more).

DECLARATION OF RESPONSIBILITY

I have personal knowledge of the nominee's responsibility for the exhibit listed above. That responsibility included as a member of the advisory board and board of directors.

Rik Kunnath

Executive Chairman of the Board
Charles Pankow Foundation

RESULTS After publication, feedback was solicited from industry for two years before publishing the second version, *The Professional's Guide to Managing the Design Phase in an Integrated Environment*. **The guide became the basis for the DBIA's Design Management coursework, and is utilized by academia in educational programs at Purdue University, CalPoly, the University of Denver, and other institutions of higher learning.** The guide is also used by many design firms and design-build trade contractors.



The Charles Pankow Foundation sponsors scholarships to academics for training in the basic DBIA course so they can introduce content into curriculum.

"The design and construction industry is vital to our economy yet our efficiency and productivity hasn't improved like other industries. Innovation has to drive those improvements.

The only way we can innovate is through research to validate our ideas."

Lisa Washington
Executive Director/CEO
Design Build Institute
of America



The Project Delivery Knowledge Community focuses on developing and sharing knowledge about all forms of project delivery, including design-build, public-private partnerships and Integrated Project Delivery (IPD).



The mission of the DBIA is to promote the value of design-build project delivery and teach the effective integration of design and construction services to ensure success for owners and design and construction practitioners.

GREG'S ROLE WITH AIA PROJECT DELIVERY KNOWLEDGE COMMUNITY

Member since 2014

Advisory Group
2015 – present

Board Chair (2015)

Started PDKC Symposium "Delivering the Future"
Chair and Speaker, "Delivering the Future"
(2018, 2019)

Onsite facilitator for 2020 symposium, the first
hybrid delivery (virtual/live)

GREG'S ROLE WITH DESIGN BUILD INSTITUTE OF AMERICA

Member since 2001

President of Rocky Mountain Region, 2006

Board of Directors, 2008 – 2014

Chairman of the Board, 2011

Board of Directors Selection Committee
2015 – present

Fellow, 2018

Member of DBIA Futures Council

Member of DBIA's Education, Research,
Sustainability, and Innovation committees

Certified DBIA instructor

CHALLENGE Greg transitioned to Corporate Director of Preconstruction with Hensel Phelps because design build was still not widely applied or well understood in the industry. The role of the designer was diminished and design excellence was abandoned frequently to meet project schedules and budgets. The industry was not clear how team integration or owner involvement could optimize value or lead to design excellence.

Greg has extensive experience with integrated project delivery and the technologies that make it work. His 26 years with an architecture firm and 14 years as Design Services Manager for a contractor have taught him what it takes to be successful when utilizing an alternate delivery method.

Greg has taken his experience and expertise to the AEC industry by way of the AIA's Project Delivery Knowledge Community and the Design Build Institute of America, to define, teach, and promote best practices.

ACTIONS

- Following Greg's tenure as PDKC Chair, he initiated the Project Delivery Symposium, "Delivering the Future," held annually at the AIA national offices since 2018. The symposium unites design and construction leaders and innovators to discuss industry trends and advances in project delivery.

- As Chairman of DBIA, Greg championed the voice of the architect at the table, and the importance of design excellence in the success of a project
- Initiated the development of the Design Excellence Committee and inclusion of the Design Excellence Award in the DBIA's awards program
- In collaboration with the Charles Pankow Foundation developed the "Professional's Guide to Managing the Design Phase of a Design-Build Project," a guide to help owners and builders integrate and collaborate with architects and engineers in the procurement, contracting and execution of Design-Build projects.
- Developed and implemented the DBIA course, "Post Award in a Design Build Project"
- Advisor for course development of "Design Management of Design Build"
- Certified DBIA instructor for:
 - Design Management
 - Principles of Design Build
 - Post Award Design Build
- Presented "Design Build and Design Build Best Practices" at the AIA National Conference in New York City, 2018
- Presented "Design Build and Design Build Best Practices" at the AIA National Conference in Philadelphia, 2017

PDKC “Delivering the Future” Symposium Topics

- Integration through Innovation: Strategies for Improving Project Delivery
- The role of effective teaming in managing risk on federal projects: The GSA perspective
- The role of effective teaming in managing risk: The designer’s perspective
- Project Delivery Strategies
- Owners Panel: Public and Private
- Trade Contractors and the Architects
- Modeling Panel
- Research Panel
- Healthcare Project Delivery Strategy
- Integration through Innovation: Strategies for Improving Project Delivery
- Design Collaboration through Technology
- Federal: Looking into the Future

DECLARATION OF RESPONSIBILITY

I have personal knowledge of the nominee’s responsibility for the exhibit listed above. That responsibility included as a leading member of the PDKC and the DBIA.

Rick del Monte

Chief Design Officer
The Beck Group

INTEGRATED RESULTS

- According to DBIA, nearly half of America’s construction projects are delivered as design build
- General Services Administration has added design-build to their eligible project delivery methods
- AIA Orange County recently held a seminar that was inspired by the national “Delivering the Future” symposium
- Innovative technology is being used to design and construct
- Disruptive technology is being used to innovate
- Some of the nation’s highest profile design projects are being delivered design build.
- According to DBIA, the main findings are that, compared to the traditionally used design-bid-build, design build delivers projects with an average 6% cost savings, 12% faster construction speed, and 33% faster overall project delivery.
- The data being captured in the field has become extremely accurate and reliable, thereby informing the design and eliminating many of the conflicts that historically arose in the field.
- The reliability of the technology has allowed for off-site fabrication, improving quality, safety, cost and time.
- The paradigm shifts in tools, processes, and workflow integration Greg predicted early in his career have become reality.

Greg’s DBIA Presentations and Teaching Topics

- *There is a Better Way to Build*
- *You Can Manage Risk, If You’re Willing to Collaborate*
- *Design Excellence in Design Build*
- *Research in Integrated Project Delivery*
- *Red-Hot Design Build in a White-Hot Market*
- *Integration of Virtual Design and Construction*
- *Lean & Green Design-Build & Sustainability*
- *Integration of Virtual Design and Construction*

*No single delivery model fits all,
and we need to be smarter in
choosing them ... but delivery
models are constantly evolving,
so try to keep up.*

Phil Bernstein
FAIA RIBA LEED AP
Lecturer in Professional Practice
Yale University School of Architecture

COMPLETION DATE:

July 2002

OWNER: Department of General Services, State of California**DESIGN ARCHITECT:**

Johnson Fain Partners

ARCHITECT OF RECORD:

Fentress Architects

ASSOCIATE ARCHITECT:

Dreyfuss + Blackford Architects

DESIGN BUILDER:

Hensel Phelps

ROLE: Principal in Charge**SIGNIFICANT AWARDS**

- Governor's Environmental Leadership Award, CA EPA 2003
- Best of California
- Constructor Award for "Innovation in Construction Techniques"
- Design-Build Excellence Award, Category: Public Sector Building (over \$15 million)
- Merit Award, Pacific Coast Builder's Conference 2003
- The John K. Lopez "Keeping the Promise" Award for DVBE Participation
- Waste Reduction Awards Program (WRAP) - Improving the Environment by Reducing Waste



The California Department of Education Headquarters is one of five buildings in Sacramento's Capitol Area East End Complex developed by the California Department of General Services. The project was delivered through a bridged design-build process, with the Hensel Phelps/Fentress Architects team completing the building with Dreyfuss & Blackford as Associate Architect.



CHALLENGE Energy conservation was a critical component of the project. The directive from the state was that the Education Headquarters be the "greenest building" in California. This was in 2000, and it would be 2004 before LEED certification became a requirement for California's buildings. This posed a challenge not only because green building was in its infancy, but as this was the state's first bridged design build, there was already a very prescribed design.

ROLE As principal in charge for the architect, and leader of the DB team, Greg was instrumental in the development and award of the Education Headquarters project, as well as the day-to-day management. Greg's innovative approach to design build and his ability to champion the importance of design excellence, sustainability, and collaboration with architects, engineers, and owners was critical to the success of the project.

SELECTED PUBLICATIONS

- "California's Valedictorian: Department of Education Headquarters," *High Performance Buildings*, Fall 2009
- "East End Project Earns LEED Gold Certification," *California Architects Board*, Winter 2003
- "California's Greenest Government Center," *eco-structure*, Fall 2003
- "Once Skeptics: Builders See Green in 'Green'," *The Wall Street Journal*, July 10, 2002
- "Combating VOCs in Buildings: Specifying for indoor air quality," *The Construction Specifier*, Fall 2002

Project Firsts for the State Of California

- Bridged design-build
- Largest state-owned office building project
- Under-floor air distribution
- LEED Gold and LEED EB Platinum certification
- "Green" modular furniture
- Largest fully-integrated photovoltaics in northern California
- Largest public arts in architecture program

Design-Build Successes

- Complex sustainable building, delivered on time
- Highly successful teaming approach
- 9.6 out of 10 said they would work together again
- Satisfied client that the team continues to work with, two decades later

*Design Excellence
Best Practice:
Commitment,
with an eye on
the goal*

DECLARATION OF RESPONSIBILITY

I have personal knowledge that the exhibit listed above was under direction of the nominee.

Michael Meredith

Capital Outlay Project Manager
State of California
Department of General Services
Real Estate Service Division

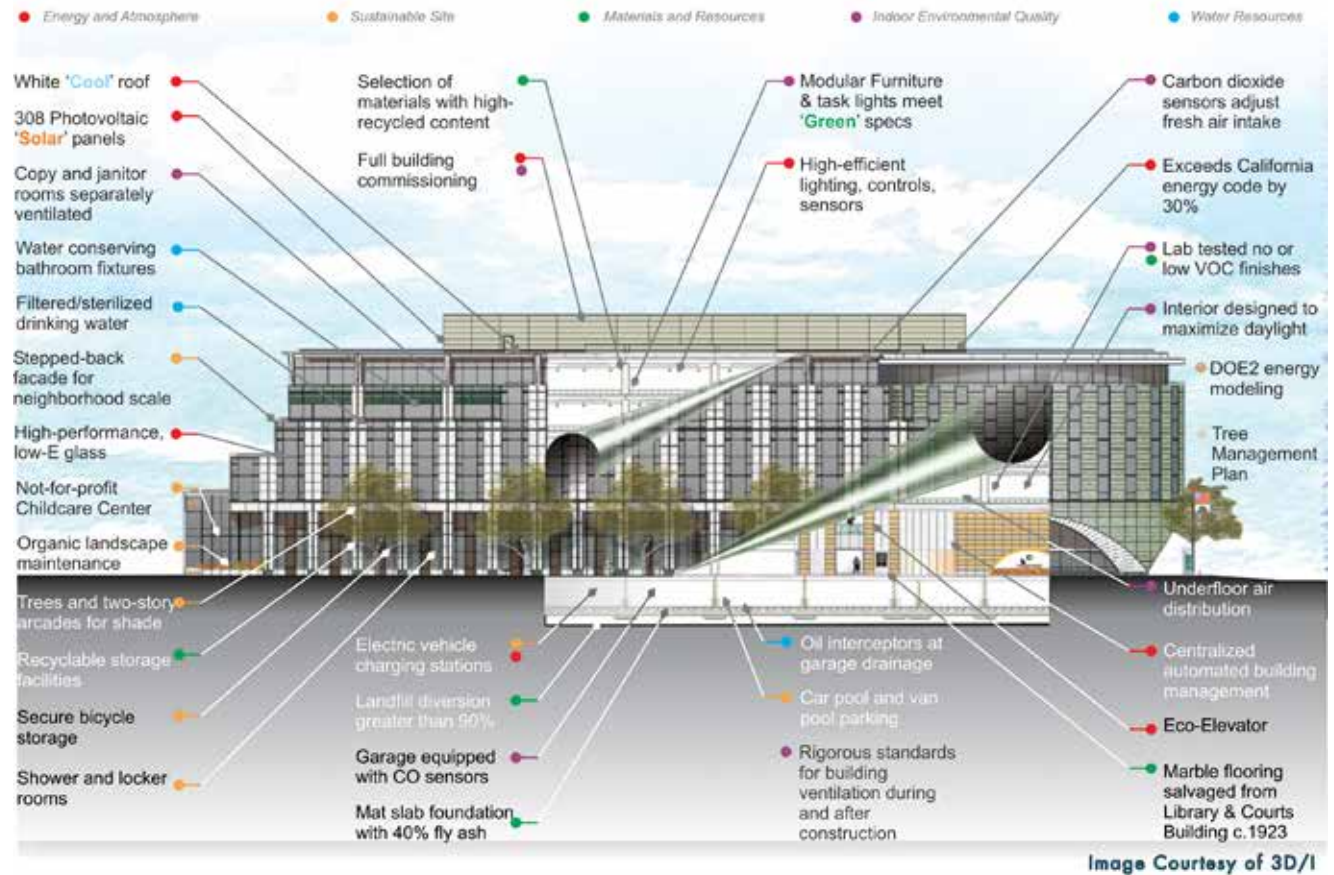
SOLUTION When the team first gathered, Greg asked each specialty what their greatest project challenge would be. By hearing from each other, the team's collective thinking caused them to recommend two strategies outside of sustainability that saved the state significant dollars. The savings in General Conditions were reinvested into the project to enhance sustainable characteristics.

- Changing from a precast pile foundation to a mat slab foundation shortened the construction schedule by 10 months, reduced costs and allowed the client to move in early, reducing rents by tens of thousands of dollars
- The proprietary stone on the building enclosure was reconsidered. After advising the client of the deficiencies in the specified stone – in performance, cost, availability and consistency – an alternate material was selected, saving an additional **\$1.5 million that was reinvested in an underfloor air distribution system to enhance indoor air quality.**

The team developed 110 strategies for sustainable enhancements, eventually incorporating 45 that would achieve LEED Gold, and later, Platinum certification.



Greg at the LEED Platinum dedication



RESULTS On June 28, 2006, the California Department of Education Headquarters was recognized as the first state-owned building in the country to receive LEED EB Platinum, after initially being awarded LEED Gold. Energy performance measured over the first year moved the building to LEED Platinum from the USGBC's existing-building program, making it the largest platinum-rated building in the world at the time. The building outperformed energy codes by 43%, reduced water consumption by 36%, conserved and recycled resources, and reduced air, light and noise pollution.

The project set a new standard for all future California state construction, and it is considered a benchmark project as **its success paved the way for the state to adopt full-service design-build for future projects.** The project raised the bar for standards of sustainable design and for the quality of the indoor environment. Lastly, the design-build team's innovative solutions led to the creation of **one of the most energy efficient buildings in the US.**

COMPLETION DATE: 2012

OWNER: Alaska Airlines

DESIGN ARCHITECT:
Fentress Architects

ARCHITECT OF RECORD:
Fentress Architects

DESIGN BUILDER:
Hensel Phelps

ROLE: Director of Design Services for Hensel Phelps

SIGNIFICANT AWARDS

- DBIA National Honor Award

SELECTED PUBLICATIONS

- "LA Mayor Villaraigosa, Los Angeles World Airports announce \$271M renovation of LAX Terminal", *dailynews.com* April 4, 2011
- "Alaska's move to Terminal 6 to begin revamp of LAX domestic terminals" *DailyBreeze.com* August 9, 2010
- "New Alaska Airlines terminal dedicated at LAX", *Los Angeles Times* March 28, 2012

DECLARATION OF RESPONSIBILITY

I have personal knowledge that the exhibit listed above was under direct supervision of the nominee.

Sandra Ichiho

Project Manager
Hensel Phelps Construction Company

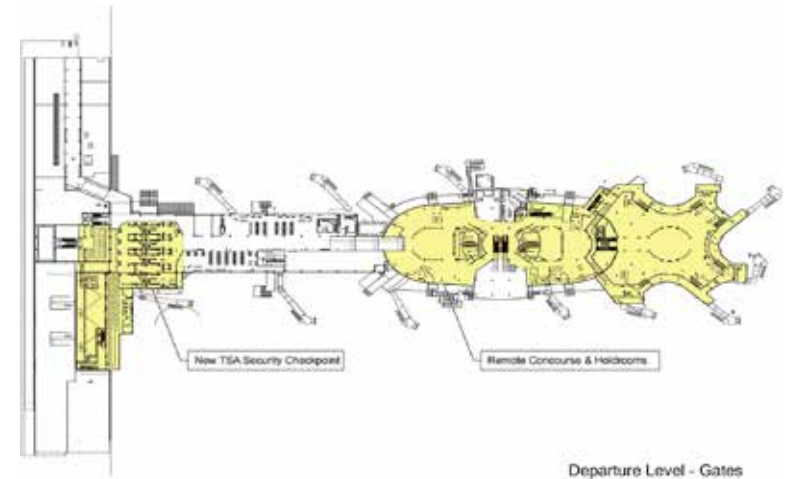
*Design Excellence
Best Practice:
Collaborative and
integrated team,
including the owner*

CHALLENGE Los Angeles International Airport (LAX) was built in the 1950s and renovated for the Summer Olympics of 1980, but not much had been done since then. The documentation LAWA had available for Terminal 6 had not been maintained and was inaccurate. When Los Angeles World Airports (LAWA, the airport authority) and Alaska Airlines decided to move the airline's entire LAX operations from Terminal 3 to Terminal 6 in about 2010, certain upgrades had to occur first.

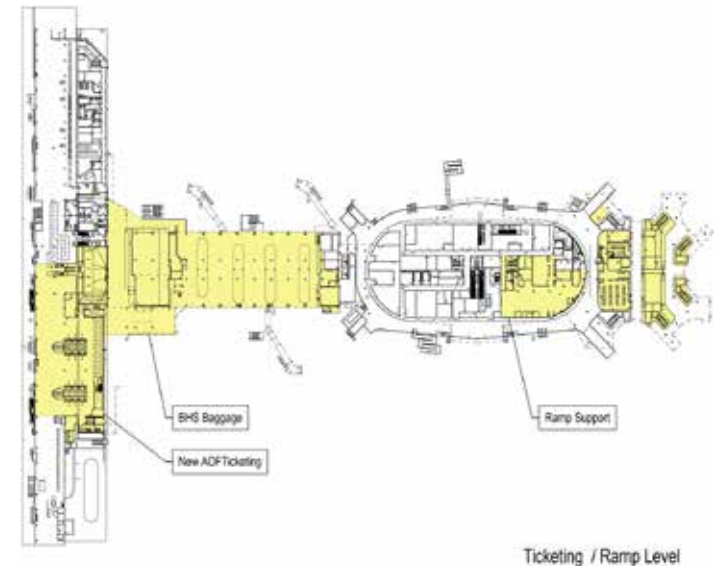
In addition to an overall terminal upgrade, the main impetus for the project was a new state-of-the-art baggage handling system. The project was an incredible logistical challenge, and it was imperative that disruption to the passenger experience be kept to a minimum.

ROLE As Director of Design Services for Hensel Phelps, Greg helped develop the Alaska Airlines program criteria for their relocation to Terminal 6. Once the criteria was developed, Greg recommended that the airline consider a design-build delivery strategy because of the great need for the design and construction teams to collaborate in real time. The DB team of Fentress Architects/Hensel Phelps was brought on and they hand selected the team to execute.

Greg interfaced with Alaska Airlines and LAWA to oversee program and design development, constructability, and compliance with LAWA's program requirements. The project began as a limited scope Program Management contract, but by educating the client and LAWA about best strategies to minimize disruptions and overlap the design and construction phases to accelerate the project, the contract was converted to a full scope, Design Build Guaranteed Max contract.



Terminal 6 at LAX, Gates / Departure Level, yellow depicts areas that were renovated



Terminal 6 at LAX, Ticketing / Ramp Level, yellow depicts areas that were renovated

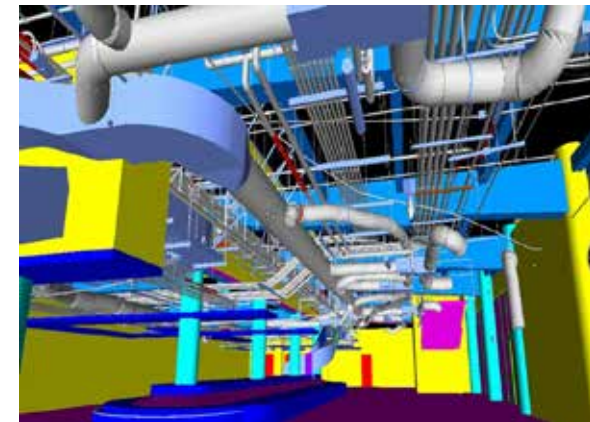
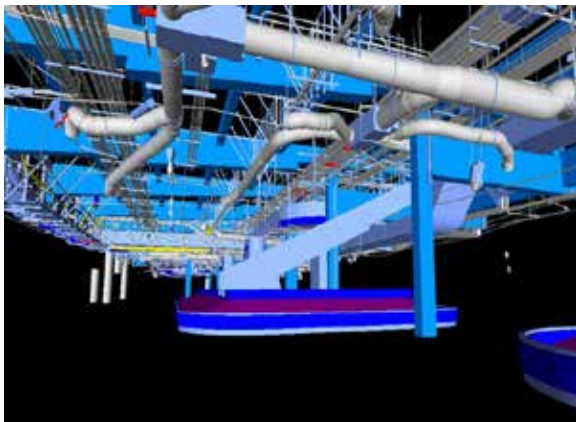
STRATEGIES This was a project in which construction led design as there were constrained parameters for most project elements. The construction team utilized laser scanning to determine existing conditions (especially useful for the baggage handling area) and to identify problems, thus **enabling the design team to effectively integrate the design solution.**

This was the team's first project on which iPads were implemented in a big way. Everyone on the project site had one so they could update observations real time. This improved accuracy and communication and eliminated the need for team members to continually take the 17-minute walk to the trailer to update project notes.

The team was able to mitigate the extraordinary design and constructability challenges associated with airport renovation through use of a BIM model which represented the standard by which trades coordinated their work.

RESULTS

- Through the evolution of the project, the team achieved major design and construction milestones with no disruption to flight schedules and minimal disruption to the traveling public, primarily due to extensive coordination efforts between the design-build team and the numerous stakeholders at the airport.
- The project was highly successful and LAWA capitalized on the design-build nature of the project and authorized Alaska Airlines to execute additional work such as replacement of all the escalators under the same contract.
- LAWA now includes design build in their procurement strategies. Greg and Hensel Phelps have been engaged with multiple designers on design build and design assist projects for a number of major airlines at LAX ever since, with over \$1 billion of work completed.
- The results in Terminal 6 were evident and many airports from around the nation took notice, including SFO, Orlando, Tampa, Love Field Dallas, Houston, and Nashville. Hensel Phelps is now the Number One Aviation design builder and general contractor in the nation.



The need to replace an aged baggage-handling system with new screening devices and conveyor systems in an exceptionally constrained infrastructure benefited from the early use of a comprehensive laser scanning program. That, combined with the BIM, allowed the designers to design with confidence that the systems would fit, and they did.

COMPLETION DATE: 2015

DESIGN ARCHITECT:
Fentress Architects

ARCHITECT OF RECORD:
Fentress Architects

DESIGN BUILDER:
Hensel Phelps

ROLE: Director of Design
for Hensel Phelps

SIGNIFICANT AWARDS

- DBIA National, 1st Place, Best Public Sector Building \$25-50 million
- DBIA Western Pacific Region, Merit Award, Public Sector Building over \$15 million
- Cornerstone Concrete Excellence Award for Concrete Buildings/Institutional
- Pacific Coast Builders, Gold Nugget Awards, Merit Award
- USGBC LEED Platinum

SELECTED PUBLICATIONS

- "LEED Platinum Certification Awarded to Humanities Gateway Building" Azocleantech.com December 19, 2011
- "Design/Build Contracting," Concrete Construction, June 2010
- "A Foreground Façade in the Interior: Fentress Architects' Solution to a Campus Contextual Issue," Competitions, Fall 2008
- "Campus Gateway: New UC Irvine Humanities building offers 'tricky' design," California Construction, July 2008

CHALLENGE The Humanities Gateway Building at UCI is the signature gateway to the School of Humanities, anchoring the school's quad while serving as a front door and ambassador for the academic and public communities. The client had a very specific vision for the building. They wanted it to be "Janus-faced," with one side nodding to history and one side welcoming the future. The other major directive was that the building achieve LEED Platinum certification.



*Design Excellence
Best Practice:
Clearly expressed
vision for the project*

SOLUTION The 76,000-gross-square-foot (gsf), 4-story building is configured around the quad on this historic campus. Expressing both the formal and exploratory nature of the humanities, the building's formal entry façade conveys dignity and mirrors the architectural order of the existing buildings around a central courtyard, and includes building terraces and light courts that become opportunities for an extension of the teaching environment and as spaces that can be utilized for town and gown activities.

The structural design of a cast-in-place concrete frame and exterior wall provides a solid and durable structure. All programmed spaces are planned to have the flexibility to allow spatial reconfiguration. Informal, unprogrammed spaces along circulation paths provide opportunities for gathering. The courtyard-facing side breaks free with a more organic, free-flowing design of curving concrete and metal/glass panels.

The mechanical system incorporates 100 percent outside air economizers and variable flow fans to maximize energy efficiency.

DECLARATION OF RESPONSIBILITY

I have personal knowledge that the exhibit listed above was under direct supervision of the nominee.

Rebekah Gladson FAIA FDBIA

Former Vice Chancellor /
Campus Architect
UC Irvine

ROLE Greg started this project as principal in charge with Fentress Architects and transitioned to Director of Preconstruction with Hensel Phelps, the design builder. He managed the competition and was the main point of contact with the client working to assure that the very specific vision for the project was communicated to the design team, and to the design-build team. After award, Greg led the preconstruction team to develop the systems and the plan to assure design excellence, LEED Platinum certification, criteria compliance, quality assurance, constructability, and completion of the design.



RESULTS Expressing both the formal and the exploratory nature of the Humanities, the building's formal entry façade conveys a historical dignity and mirrors the architectural order of the existing buildings around the quad on this William Pereira-designed campus. The courtyard-facing side breaks free with a more organic, free-flowing design of curving concrete and metal/glass panels. The key to success was understanding the client's vision for the project and then responding with the right design aesthetic.

The Humanities Gateway Building achieved LEED Platinum certification.



COMPLETION DATE: 2015

DESIGN ARCHITECT:

Krueck Sexton

ARCHITECT OF RECORD:

Gensler

DESIGN BUILDER:

Hensel Phelps

ROLE: Director of Design Services

SIGNIFICANT AWARDS

- AIA Chicago Chapter, Distinguished Building Award, 2018
- AIA Chicago Chapter, Divine Detail Award, 2016
- GSA Design Excellence Citation, 2015
- GSA Project Management Award, 2015
- Chicago Athenaeum, American Architecture Award, 2015
- DBIA National, Federal Project of the Year, 2015
- DBIA National, Excellence in Architecture Design, 2015
- DBIA National, Excellence in Process, 2015
- DBIA National, Project of the Year, 2015
- ENR, Best of the Best Project, 2015
- ENR Southeast, Best Government/Public Building, 2015
- ABC East Coast Chapter, Excellence in Construction, Eagle Award, 2016
- Alliant, Build America Award, 2016
- CMAA, Project Achievement Award, 2015
- LEED Platinum Core + Shell
- LEED Gold Commercial Interiors
- A pilot of the Sustainable Sites® Initiative™
- Designed to meet net-zero by 2030



SELECTED PUBLICATIONS

- Krueck and Sexton Architects
Architect Magazine, April 1, 2015
- "Redefining Project Delivery"
The Military Engineer, No. 684
- "South Florida FBI building is unexpected architectural jewel in the wetlands", *Miami Herald*
September 25, 2015
- "Best of the Best Public Building"
Engineering News-Record,
March 9, 2016



DECLARATION OF RESPONSIBILITY

I have personal knowledge that the exhibit listed above was completed by the nominee's firm.

Derek Hoffine
District Manager
Hensel Phelps

CHALLENGE The U.S. General Services Administration (GSA) selected the design-build team of Gensler/Hensel Phelps for this bridged project designed by Krueck and Sexton. Part of the GSA's Design Excellence Program, it was **to be delivered using a lean construction management approach that emphasizes concurrent and continuous improvements throughout the project lifecycle**. Because the required time to completion for the project was 902 days from notice-to-proceed, successful delivery required simultaneous design and construction.

The building as initially designed had an exterior envelope that was extremely complex and not affordable.

SOLUTION To address the project's complexity, innovative project management was required throughout the process. The DB team created a milestone schedule incorporating fast-track methods that allowed construction to begin within 90 days of notice-to-proceed.

One team was created for the core and shell and another for interiors. The core and shell team proceeded with long lead and fast track deliverables that were approved by GSA, while the interiors team focused on the program and responded to changes from the tenant, the FBI.

Both teams delivered the design in a collaborative and coordinated final set of construction documents by **using an integrated building information model (BIM)** that incorporated changes, as-built conditions, shop drawings and separate schedules.



ROLE Greg oversaw the pursuit and procurement of this project and built a team that could address the challenge of complexity, schedule and budget while achieving the vision for the project.

RESULTS Keeping Krueck & Sexton's and GSA's vision in keen sight, Greg worked closely with the design team and the specialty trades to refine and reduce the complexity of the envelope from fourteen unique configurations to four, bringing it into budget without compromising the design vision.

The project exceeded all expectations for design excellence and has won numerous awards.

The Benjamin P Grogan and Jerry L Dove Office Building was the first project in Florida to participate, and be certified in, the new sustainable Federal SITES program which encompasses everything outside the building envelope.

The DB team delivered this new GSA building to meet the 2030 "net zero" objectives of reducing energy and resource consumption, using high-performance materials and systems, and employing onsite harvesting of renewable energy sources.

*Design Excellence
Best Practice:
Clarity on what
constitutes Design
Excellence*

*"Building a new South
Florida headquarters
for the Federal Bureau
of Investigation required
the project team to
redefine the basic tenets
of more traditional
delivery approaches."*

Donald Ghent, AIA, CSI, DBIA,
CMAA, LEED AP BD+C, M.
SAME, and Diane Apaletgui,
M. SAME for Military Engineer

COMPLETION DATE: 2019

DESIGN ARCHITECT:

Davis Partnership

ARCHITECT OF RECORD:

Davis Partnership

DESIGN BUILDER: Hensel Phelps

ROLE: Director of Design Services

SIGNIFICANT PUBLICATIONS

- "Lockheed Martin Completes Foundation for Satellite Factory of the Future," February 27, 2018
- "Lockheed Martin Teamed Up Again With Hensel Phelps to Build Its New Gateway Center," *Construction Today* December 2017

The ability to observe the design and preconstruction process greatly informed the younger members of the design team on process.

DECLARATION OF RESPONSIBILITY

I have personal knowledge that the exhibit listed above was completed by the nominee's firm.

David Brooke
Project Manager
Hensel Phelps

All renderings in this exhibit are courtesy of Davis Partnership Architects

CHALLENGE The client approached Hensel Phelps with a confidential project for an aerospace assembly and testing facility. The directive was to design and build a highly technical facility in a confidential environment where everyone is under a non-disclosure clause, with limited resources.

ROLE Greg assembled the design team, secured the collaboration space, and managed the design development phase. Greg selected team members based on knowledge of the building type and the ability to work in a collaborative, highly-confidential environment. The team co-located off-site for the duration of the design phase, a design-build best practice.

RESULTS One of the most advanced facilities of its type, this "Satellite Factory of the Future" was designed and built by a high-performing design-build team utilizing the Building Information Model (BIM) as a deliverable. A highly-detailed BIM Project Execution Plan (BIMxP) was implemented, and a level of coordination not seen on other projects allowed the construction team to build from the BIM. This exceptional effort minimized RFI's and accelerated the speed of construction. The level of spatial coordination allowed for error-free construction and an aggressive construction schedule. The project included many complex systems requiring coordination with the client's vendors, which was seamless.

Having observed the performance of the design-build team on the Gateway project, a new client assembled the same DB team for a similar facility about ten times the scope. The project is currently under design.

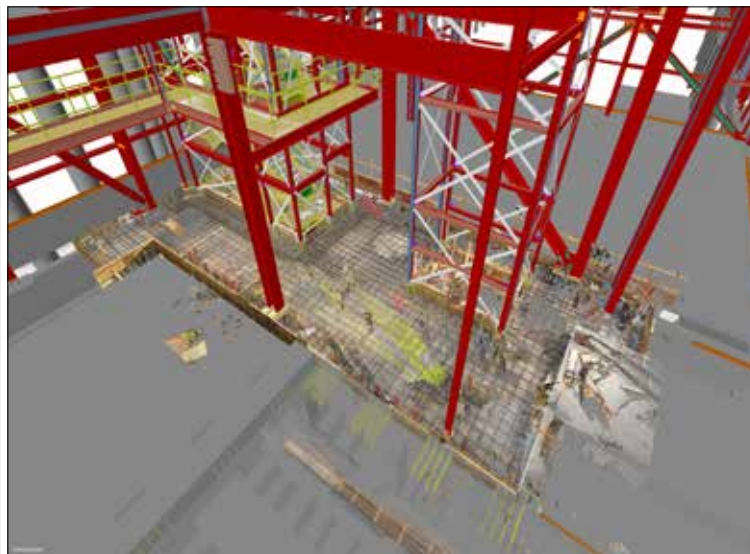
*Design Excellence
Best Practice:
Choose your
partner wisely*



Lockheed Martin Gateway Campus in Littleton, Colorado



A detailed modeling of the building systems allowed for enhanced communication and seamless construction



Visualizations of the TVAC chamber facilitated communication between the design team, the chamber vendor, the client and the field.

A philosophy of "Right of Reliance" in development of the model allowed the design and construction teams to effectively communicate and use the model to build from, and allowed off-site fabrication of systems.

"Across the many years of my collaboration with Greg, whether it was as a design team member or on the construction side, Greg elevated the craft and art of Architecture, ensuring the outcomes were timeless and enduring."

Peter Carlson, AIA
Davis Partnership