

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

Keith has been in the MEP industry for over 19 years in Houston. In addition to being President for The Houston Chapter of ASHRAE, Keith is the Texas Gulf Coast Regional Representative to the USGBC South Regional Council. Locally, he serves as the Immediate Past Chair/Treasurer of the Houston-Texas Gulf Coast Chapter of the USGBC. He also serves as the Chair of Gulf Coast Green, the AIA COTE Regional Green Event. He is also chair of the Energy Code committee for the City of Houston and on its Recycling Committee. Keith holds many credentials in the industry including recently attaining the new ASHRAE High-performance Building Design Professional designation. Keith is an active and avid fundraiser of sustainable building initiatives throughout the state. He holds a bachelor degree in architectural engineering from Kansas State and an MBA from the University of Houston.

He is a Sustainable Engineer and President/CEO of Reihl Engineering. He provides LEED Consulting and Commissioning for existing buildings, new and renovation projects and is responsible for overseeing the design of MEP systems. His specific responsibilities include: direct client relations, day to day coordination, overseeing daily progress on projects, developing and managing schedules and budgets, system selection and coordination, coordination of working drawings and specifications, and conducting field construction reviews. Mr. Reihl has extensive experience in commercial, higher education, K-12, residential, data centers, retail, restaurants, high-tech and airport projects. He has managed and engineered literally hundreds of projects throughout the United States. He is a LEED™ Accredited Professional by the United States Green Building Council.



Registration

Professional Engineer by Exam, Texas

Education

BS, Architectural Engineering: Kansas State University
Masters in Business Administration: University of Houston

Certifications

CEM Certified Energy Manager through the Association of Energy Engineers
LEED™ Accredited Professional 2004
GBE Green Building Engineer through the Association of Energy Engineers
AVS Associated Value Specialist through the Society of American Value Engineers
CSDP Certified Sustainable Development Professional through the Association of Energy Engineers
CBCP Certified Building Commissioning Professional through the Association of Energy Engineers
HBDP High Performance Building Design Professional through the American Society of Heating, Refrigerating and Air Conditioning Engineers
CEA Certified Energy Auditor through the Association of Energy Engineers

Professional Affiliations

American Society of Heating, Refrigerating and Air Conditioning Engineers
(President Elect, Chapter Technology Transfer Chair, Chapter Regional Council Delegate and Programs Chair for Houston Chapter)
United States Green Building Council (Past Chair and Treasurer for Greater Houston Chapter, on Board of Directors)
AIA COTE Gulf Coast Green Executive Committee Chair and ASHRAE Liaison
Association of Energy Engineers Life Membership
Construction Industry Council (USGBC Representative)
Chair City of Houston Energy Code Committee
City of Houston Mechanical Code Committee
City of Houston Recycling Committee

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

Client References:

George Bush Intercontinental Airport Houston Terminal C

Bobby Hartman
Parsons
1900 West Loop South, Suite 400, Houston, Texas 77027
p. 713.871.7000 | f. 713.871.7456
Bobby.Hartman@parsons.com | www.parsons.com

Toyota Center (LEED/Commissioning)

Greg Poole Director of Facility Operations
Clutch City Sports and Entertainment
1510 Polk, Houston, Texas 77002
p. 713.758.7484
gregp@rocketball.com | www.toyotacentertix.com

Granite Westchase (LEED)

Mary Butler, CPM, Property Manager
Granite Properties
Richmond Avenue, Suite 1300, Houston, TX 77042
p. 713.572.1818 | f. 713.800.9590
MButler@GraniteProp.com | www.graniteprop.com

Greenway Plaza (LEED/Commissioning)

Dennis Cruse
CFM, LEED AP, CEM, CEP, CSDP, CEA 10370
Crescent Real Estate Equities
9 Greenway Plaza, Ste 650, Houston, Texas 77046
p. 713.965.2994 | f. 713.965.2148
dcruise@crescent.com | www.crescent.com

Creative On Center (LEED)

JARED JACKSON AIA, CSI, LEED AP
CONTEXT3 architecture | design | planning
7026 Old Katy Rd, Suite 350, Houston, TX 77024
p. 713.880.8000 | f. 866.342.6016 | m. 713.212.9596
jjackson@context3.com | www.context3.com

Clayton Library (LEED)

Curt Jones, PE
Jones Engineers
9820 Whithorn Drive, Houston, Texas 77095
p. 713.222.7766
www.jonesengineers.com

Project Experience:

*Sustainable/Green
Commissioning*

ACU Headquarters

League City, Texas 2009

Performed LEED Consulting, Energy Modeling and Commissioning for this 30,000 square foot office building with LEED Silver as the goal.

Mann Eye Center

Katy, Texas 2009

Performed LEED Consulting, Energy Modeling and Commissioning for this 90,000 square foot medical office building with LEED Silver as the goal.

SISD Elementary School #26

Spring, Texas 2009

Performed LEED commissioning for this 104,000 square foot school with LEED Gold as the goal.

Toyota Center

Houston, Texas 2008

Performed LEED EB commissioning for this multi-use arena with 750,000 square feet with LEED Silver Certification.

HISD Horn Elementary School

Houston, Texas 2008

Performed LEED commissioning for this 84,500 square foot school with LEED Silver as the goal.

HISD Berry Elementary School

Houston, Texas 2008

Performed LEED commissioning for this 84,500 square foot school with LEED Silver as the goal.

JLG Offices

Houston, Texas 2008

Performed LEED NC consultation and commissioning for this 6,000 square foot office space with LEED Gold as the goal.

Greenway Plaza

Houston, Texas 2007

Performed LEED EB commissioning for multiple buildings in this 4.3 million square foot office complex with LEED Silver as the goal.

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

Hunton Trane Distribution Center

Houston, Texas 2007

Performed LEED NC consultation and commissioning for this 110,000 square foot warehouse with 18,000 square feet of office space with LEED Silver certification.

*Sustainable/Green
LEED Consulting*

Toyota Center

Houston, Texas 2008

Performed LEED EB consultation for this multi-use arena with 750,000 square feet with LEED Silver Certification.

Granite Westchase

Houston, Texas 2008

Performed LEED EB consultation for this 310,000 square foot office complex with LEED Silver Certification.

Hunton Trane Distribution Center

Houston, Texas 2007

Performed LEED NC consultation and commissioning for this 110,000 square foot warehouse with 18,000 square feet of office space with LEED Silver Certification.

Millenium Tower

Houston, Texas 2009

Performed LEED EB consultation for this 362,224 square foot office complex with LEED Silver as the goal.

Granite Wesleyan Tower

Houston, Texas 2009

Performed LEED EB consultation for this 510,000 square foot office complex with LEED Silver as the goal.

Granite Briarpark

Houston, Texas 2009

Performed LEED EB consultation for this 221,000 square foot office complex with LEED Silver as the goal.

One City Centre

Houston, Texas 2007

Performed LEED EB consultation for this 500,000 square foot office complex with LEED Silver as the goal.

One Sugar Creek

Sugarland, Texas 2007

Performed LEED EB consultation for this 500,000 square foot office complex with LEED Silver as the goal.

JLG Offices

Houston, Texas 2008

Performed LEED NC consultation and commissioning for this 6,000 square foot office space with LEED Gold as the goal.

City of Houston Green Building Resource Center

Houston, Texas 2008

Performed LEED CI consultation and MEP design for this 4,000 square foot office space buildout with LEED Gold Certification.

Greenway Plaza

Houston, Texas 2007

Performed LEED EB consultation for multiple buildings in this 4.3 million square foot office complex with LEED Silver as the goal.

Oak Park

Houston, Texas 2007

Performed MEP LEED CS consultation and Energy Modeling for this new 160,000 square foot office building with LEED Gold Certification.

Suncoast Resources

Houston, Texas 2007

Performed LEED NC feasibility consultation for this 100,000 square foot warehouse with 60,000 square feet of office space with LEED Silver as the goal. To be constructed in an existing warehouse reusing the building envelope and interior walls.

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

Creative On Center

Houston, Texas 2007

Performed mechanical design and LEED CS consultation for this 15,000 square foot office building with LEED Silver as the goal.

Clayton Library

Houston, Texas 2007

Performed mechanical design and LEED NC consultation for the library with special care for humidity control. The library and two adjacent support and gathering buildings with LEED Silver Certification.

NASA Building 2

Houston, Texas 2005

Performed mechanical design and LEED NC consultation for NASAs' Public Relations building with LEED Gold Certification.

Reality Publishing

Houston, Texas 2005

Performed mechanical design and LEED NC consultation for this 8,000 square foot office building with LEED Silver as the goal.

*MEP Design
K-12 SCHOOLS*

Alvin Independent School District

Alvin, TX 1991

Design of a new elementary school. Included all load calculations, selection of equipment, central plant design and ductwork design and production of construction documents.

Alief Independent School District

Houston, TX 1992

Mechanical design for Elementary #2. Included all load calculations, selection of equipment and ductwork design and production of construction documents. Mechanical design for Middle School #6 and Elementary #19.

Angelton Independent School District

Angelton, TX 1992

Mechanical design of renovations and additions. Included all load calculations, selection of equipment, central plant design and ductwork design and production of construction documents.

Barbers Hill Independent School District

Mont Belvieu, TX 1992

Renovation of the elementary, middle and high school facilities with expansion to each. This included running loads, designing mechanical systems, and preparing construction documents.

Charlotte Independent School District

Charlotte, TX 1993

Renovation and addition to multiple buildings on campus including the high school, vocational educational building, band hall, middle school and elementary school. Acted as principal-in-charge overseeing all aspects of MEP design.

Conroe Independent School District

Conroe, TX 1993

Renovation of Lamar and Sam Houston schools and design of separate central plant for the expansion. Included all load calculations, selection of equipment, central plant design and ductwork design and production of construction documents.

Cypress Fairbanks Independent School District

Houston, TX 1993

Design and specification of mechanical systems for two new elementary schools and one maintenance facility. This included running loads, designing mechanical systems and preparing construction documents.

Fort Bend Independent School District

Sugar Land, TX 1992

Mechanical design of a new middle school #9. Included all load calculations, selection of equipment, central plant design and ductwork design and production of construction documents. Mechanical design for the junior high school.

Goose Creek Consolidated Independent School District

Baytown, TX 1992

Design of a new middle school. Included all load calculations, selection of equipment, central plant design and ductwork design and production of construction documents.

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

Houston Independent School District

Houston, TX 1992

Thermal storage and central plant renovations for multiple schools. This project required detailed modeling of each of the schools for the addition of thermal storage and renovation of the central plant.

Magnolia Independent School District

Magnolia, TX 1992

Renovation of existing elementary school mechanical systems. Included all load calculations, selection of equipment, central plant design and ductwork design and production of Construction Documents.

Montgomery Independent School District

Montgomery, TX 1992

Mechanical design for elementary and intermediate schools. Included all load calculations, selection of equipment, central plant design and ductwork design and production of construction documents.

Pasadena Independent School District

Pasadena, TX 1993

Thermal storage and central plant renovations for six schools. This project required detailed modeling of each of the schools for the addition of thermal storage and renovation of the central plant. Lighting was also changed to electronic ballasts with T-8 lamps at these facilities. Renovation of Sam Rayburn High School's locker room air conditioning. This included all load calculations, selection of equipment and ductwork design and production of construction documents.

Spring Independent School District

Spring, TX 1995

Outside air and central plant renovations to Spring High School and Westfield High School. This project required extensive field investigation in order to route outside air ductwork to individual fan coil units located in each classroom. This also included the expansion of Westfield High School.

Tomball Independent School District

Tomball, TX 1994

Mechanical design for high school agriculture department. Included all load calculations, selection of equipment, and ductwork design and production of construction documents. Mechanical design for renovation of the auditorium. Mechanical design for the renovation of the junior high school.

Willis Independent School District

Willis, TX 1993

High school renovations and additions. Included all load calculations, selection of equipment, ductwork design and production of construction documents.

Cyfair ISD

Houston, TX 1993

Design and specification of mechanical systems for two new elementary schools and one maintenance facility. This included running loads, designing mechanical systems, and preparing construction documents.

*MEP Design
Higher Education*

San Jacinto College

Pasadena, TX 1993

New construction of a two story Health Science Building comprised of faculty offices, classrooms, medical classrooms, and a two story glass lobby.

Texas A&M University

College Station, TX 2001

Renovation of the Coke Administration Building. Replacement of existing mechanical systems and upgrading of restrooms per ADA.

Texas A&M Prairie View Science Building

College Station, TX 1999

Performed construction administration on this new four-story, 172,000 SF building that houses the biology, chemistry and physics departments and accommodates the expanding enrollment in the science program. The project includes 17 biology labs, 15 chemistry labs, 9 physics labs, various support functions, a greenhouse, a 250-seat auditorium and seven lecture halls for campus-wide use. A progressive design that incorporates the latest teaching technology was used. Every classroom and office is wired for present and future technology and distance learning.

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

*MEP Design
Residential*

**Turnberry High Rise
Houston, Texas 2005**

Mechanical engineer for a new 34 story high rise located in the Galleria.

**Cosmopolitan High Rise
Houston, Texas 2005**

Mechanical engineer for a new 19 story high rise located in the Galleria.

**Acoma High Rise
Denver, Colorado 2005**

Mechanical engineer for a new high rise located in Denver.

*MEP Design
Food Service*

**Skyline Café
Pasadena, TX 1996
David Boggess Architects**

Project manager and mechanical engineer for the renovation of an existing 3,000 SF kitchen that involved a new layout of existing grilles, stoves, freezers, dishwashers, fryers and countertops. Redesigned the existing exhaust and makeup air systems along with the air conditioning systems.

**Café Chino
Houston, TX 1995**

Project manager and mechanical designer for the renovation of an existing chinese restaurant that involved a new layout the dinning and kitchen spaces. Redesigned the existing exhaust and makeup air systems along with the air conditioning systems.

*MEP Design
Retail*

**H-E-B
Georgetown, Houston and College Station, TX 2002**

Engineering Project Management and supervision of the MEP design for three new 90,000 SF grocery stores. Stores included restaurants, coffee bars, bakeries and deli's.

**Tom Thumb
McKinney, Dallas, Plano, and Richardson, TX 1996**

Design and specification of all mechanical equipment for a new store. This included coordination with the refrigeration contractor, Hussman, for the refrigerant lines and heat recovery for the store rooftop unit and domestic water heater. Design, layout and documentation of all mechanical systems, including bakery and deli kitchen exhaust and makeup systems and issue of construction documents for bidding. Perform owner requested changes to the plans and periodic site investigation complete with reports.

*MEP Design
Specialty/Theater*

**Antigua Theater
Antiga 2005**

MEP project engineer for this theater in Antigua built by Stanford. Special air distribution systems were utilized in the theater to minimize noise.

**San Jacinto College
Pasadena, Texas 1993**

Mechanical designer for auditorium, and multiple classrooms and gathering spaces in the Health Science Building.

**Multiple K-12 Schools
Houston, Texas**

MEP project engineer and mechanical designer for multiple auditoriums, cafeteriums and gathering spaces in school districts throughout Texas.

*MEP Design
Data Centers*

**Aggreko
Houston, Texas 2007**

Performed mechanical design for generator and fuel tank addition.

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

Brookhollow III

Houston, Texas 2007

Performed mechanical design for fuel tank addition.

Wharton ISD

Wharton, Texas 2006, 2007

Performed mechanical assessment and design of their data rooms for a new elementary and a renovated junior high school.

Litton

Houston, Texas 2006

Performed mechanical design for generator and fuel tank installation. Performed mechanical design for air conditioning renovation to their data center.

Newfield

Houston, Texas 2006

Performed mechanical design for fuel tank installation.

Jacobs

Houston, Texas 2006

Performed mechanical design for generator and fuel tank installation.

Pulse

Houston, Texas 2006

Performed mechanical design for generator and fuel tank installation.

Multiple Bank Locations

Texas 2005, 2006, 2007

Performed mechanical assessment and design of multiple banking facilities data rooms throughout Texas.

CGG

Houston, Texas 2006

Performed mechanical assessment of existing facility and assisted in the design of their new facility.

Oxy

Houston, Texas 2005, 2006

Performed mechanical engineering for downsizing their central data center including a detailed phasing plan to minimize outages and interruption of data services worldwide.

Western Geco

Houston, Texas 2005

Performed mechanical engineering for upgrading existing air conditioning systems to account for increase power densities in their data center and relocated the central control room.

Intercontinental Airport

Houston, Texas 2003

Perform mechanical engineering and project management for renovations and additions to the main data rooms in terminals C and D.

Collocation Solutions

Multiple locations in the United States 2002

Project management and mechanical engineering on a new tenant build-out from shell space into a collocation space complete with generators, UPS and HVAC systems. Sites located in Phoenix, Los Angeles and Denver.

Service Corporation International

Houston, Texas 2002

Project management, superintendent and design for upgrading to a 600kW generator and 150kVA UPS system for their corporate headquarters on this design build project.

MCI/Worldcom

Multiple locations in the United States 1997-98

Renovation and new switch facilities for MCI/Worldcom in San Francisco and Los Angeles, California; Boca Raton and Ft. Lauderdale, Florida; and Houston, Texas. These projects involved design and specification of computer room air conditioning systems, piping, ductwork and loads for switch facilities.

MCI WorldCom – Boca Raton, Florida

MCI WorldCom

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

MCI WorldCom @ 1301 Fannin – Houston, Texas
MCI WorldCom

MCI WorldCom @ 1301 Fannin Level 7 – Houston, Texas
MCI WorldCom

MCI WorldCom Remodel – Phoenix, Arizona
Burr Computer Environments, Inc.

MCI – Fort Lauderdale, Florida
Burr Computer Environments, Inc. (BCEI)

Bridge Data Systems
St. Louis, MO 1998

Renovation of an existing computer room and central plant including load calculations and design and specification of equipment. Schematic design of a new 100,000 SF, three-story laminar flow computer room. This design to be utilized at multiple locations in the United States.

Telecheck
Houston, TX 1998

Renovation and expansion of an existing computer room and diesel generator. This project included load calculations and the design and specification of new airflow units, piping and verification of central plant capacity.

Jewish Hospital
Cincinnati, OH 1998

Renovation of a space for a new computer room. This project included load calculations and the design and specification of new Liebert DX units with water detection and a FM200 system.

Consumer Credit Association
Houston, TX
Pearson English

Landmark Graphics Visualization Lab
Houston, TX
Pearson English

Shell Switch
Houston, TX
Gensler

Amerex Server A/C
Houston, TX
Transwestern Property Company

Bridge – Chiller UPS
Saint Louis, MO
Burr Computer Environments, Inc. (BCEI)

Bridge
Saint Louis, MO
Burr Computer Environments, Inc. (BCEI)

Burlington Server Room FCT Level 42
Houston, TX
Pearson-English

Burlington Computer Room Relocation
Houston, TX
Pearson-English

CELERA
Rockville, MD
Burr Computer Environments, Inc. (BCEI)

CELERA Command Room
Rockville, MD
Burr Computer Environments, Inc. (BCEI)

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

CELERA Diesel Generator
Rockville, MD
Burr Computer Environments, Inc. (BCEI)

Central United Mini Mate
Houston, TX
Central United Life Insurance

Health Alliance
Cincinnati, OH
Burr Computer Environments, Inc. (BCEI)

Jeffries Company A/C Study
Houston, TX
Jeffries Company

Landmark Graphics Computer Room
Houston, TX
Pearson-English

Telecheck
Houston, TX
Burr Computer Environments, Inc. (BCEI)

U.T. Pan American Computer Room
Edinburg, TX
U.T. Pan American

USA Waste CAD Computer Room
Houston, TX
Waste Management

MEP Design
High Tech

Chase Bank of Texas
Houston, TX 1997

Renovation of a 175,000 SF retail center to a call center including a computer room. This project included design and specification of all mechanical systems, reutilization of existing rooftop units, and construction management of all of the engineering systems. This project was completed within six months and houses 1,000 call stations, offices, training rooms and a computer room.

MEP Design
Commercial

BP Westlake Parking Garage
Houston, Texas 2005

Project Manager and Mechanical engineer for a new 600,000 square foot, 1,500 car parking garage located at their Westlake Campus.

1400 Smith Parking Garage
Houston, Texas 2005

Project Manager and Mechanical engineer for the study of potential conversion of 10 stories of class A office space into parking.

First City Tower
Houston, TX 1998

Project manager for the renovation of levels 42, 43, 44 and 45 of Burlington FCT. This project included the redesign of existing mechanical systems and electrical systems at the First City Tower Building, a 1,333,312 SF, 47-story office building in downtown Houston.

1201 Louisiana Tower
Houston, TX 1997

Project manager and mechanical designer for the renovation of multiple levels of 1201 Louisiana, a 35-story, 850,000 SF office building in downtown Houston. This group of projects included redesign of existing mechanical, electrical and plumbing systems for multiple tenants of this building.

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

2000 Post Oak Plaza

Houston, TX 1998

Project manager for the renovation of the central plant for this 24 story, 400,000 SF office building in Uptown Houston for Crescent Real Estate Equities, Inc. This project included two additional redundant chillers, pumps, a new two cell cooling tower and modeling the building load to verify capacity.

Promaxima Office Building

Houston, Texas 2005

Project Manger and Mechanical engineer for a new 2 story office building.

801 Travis Level 16

Houston, TX

Pearson-English

Amerex @ 1 Sugar Creek Center

Sugar Land, TX

Transwestern Property Company

Burlington Resources Levels 44 & 45

Houston, TX

Pearson-English

Burlington Resources – FCT

Houston, TX

Pearson-English

Burlington FCT Levels 42, 43 & 45 – Houston, Texas

Pearson-English

Burlington Fan Coil Unit – Houston, Texas

Burlington

CGG Restack – Houston, Texas

That’s Architecture

Crescent Realty Management Office – Houston, Texas

Ziegler-Cooper Architects

Foster-Wheeler – Houston, Texas

Pearson-English

Foster Wheeler Level 2 – Houston, Texas

Foster Wheeler

Foster Wheeler Level 2 GTC – Houston, Texas

Pearson-English

Foster Wheeler Level 2 @ 1001 S. Dairy Ashford – Houston, Texas

PDR Architects

Houston Delivery Service @ 1201 Louisiana – Houston, Texas

Pearson-English

Joseph @ 1201 Louisiana – Houston, Texas

Pearson-English

KOSA Level 5 – Houston, Texas

Ziegler Cooper Architects

METRO @ 1201 Louisiana – Houston, Texas

Transwestern Property Company

Minute Maid Level 2 – Houston, Texas

Marks & Salley

Minute Maid 3rd and 12th Floors – Houston, Texas

Minute Maid / Marks & Salley

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

Minute Maid Level 7 – Houston, Texas
Marks & Salley

NationsBank – Clear Lake, Texas
Pearson-English

PGS Reservoir – Houston, Texas
Pearson-English

USA Waste Fan Coil Units – Houston, Texas
USA Waste

Waste Management Level 42 – Houston, Texas
Waste Management

Waste Management Level 43 – Houston, Texas
Waste Management

3 Dog Bakery – Houston, Texas
Pearson English

1500 Waugh Air Balance – Houston, Texas
Wells Fargo

2200 West Loop South Remodel – Houston, Texas
Ziegler Cooper Architects

2401 Portsmouth – Houston, Texas
Lamesa Properties

Chase Call Center Expansion – Houston, Texas
Ziegler Cooper Architects

Chase Hedwig FCUI – Houston, Texas
Chase Bank of Texas

Chase Hedwig Security – Houston, Texas
Chase Bank of Texas

Chase Call Center – Houston, Texas
Core to Offices and Fulfillment to Training
Chase Bank of Texas

Chicano Center – Houston, Texas
That's Architecture

Depelchin Children's Center – Houston, Texas
Gensler

Health Care Realty – Houston, Texas
Health Care Realty

Minute Maid Cooling Tower – Houston, Texas
Minute Maid

Wells Fargo on Waugh Drive – Houston, Texas
Wells Fargo

*MEP Design
Municipal/Government*

**Military Facilities
Randolph AFB, Building 905
San Antonio, TX 2000**

Engineering Project Manager for MEP and Telecom for this interior renovation retaining only the shell. HVAC, electrical and plumbing systems were completely renovated.

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

**Lackland AFB, Hanger Renovation
San Antonio, TX 2000**

Engineering Project Manager for MEP and Telecom for this design build interior renovation project.

*MEP Design
Laboratory*

**Healix
Houston, Texas 2007**

Performed mechanical design for ISO 7 and ISO 5 Pharmaceutical labs with adjacent office and warehouse space.

**Texas A&M Prairie View Science Building
College Station, TX 1999**

Performed construction administration on this new four-story, 172,000 SF building that houses the biology, chemistry and physics departments and accommodates the expanding enrollment in the science program. The project includes 17 biology labs, 15 chemistry labs, 9 physics labs, various support functions, a greenhouse, a 250-seat auditorium and seven lecture halls for campus-wide use. A progressive design that incorporates the latest teaching technology was used. Every classroom and office is wired for present and future technology and distance learning.

**St. Joseph's Labs
Houston, TX 1998**

Project management and mechanical engineering for this cancer research lab. The project included two renovated labs with 10 new hoods, differential pressure sensors and air conditioning.

**BP Electron Microscope lab
Baytown, Texas 2005**

Mechanical engineer for a new electron microscope lab with HEPA filters and a dedicated system.

*MEP Design
Healthcare*

**Oasis Medical Office Building
Stafford, Texas 2005**

Mechanical engineer for a new 190,000 SF, high-rise medical office building. Design included accommodations for six surgical suites on the second floor and MRI on the first floor. The office is the first phase of a master planned medical campus that will house an assisted living, two additional office buildings, a hospital, and several other medical specialty facilities.

**Oasis Assisted Living Facility
Stafford, Texas 2005**

Mechanical engineer for a new 4 story assisted living facility.

**Augusta Senior Assisted Living Facility
Houston, Texas 2005**

Mechanical engineer for a new 4 story assisted living facility with parking below grade.

**Herman Hospital
Houston, TX 1994**

Mechanical design of exhaust system for Dr. Suites in the Herman Tower.

**Odessa Hospital
Odessa, TX 1993**

Mechanical design for renovation and addition to the existing hospital.

*MEP Design
Specialty/Manufacturing*

**Toshiba Fuel Cell
Houston, TX 1996**

MEP project engineer for addition of a Fuel Cell for providing power to the plant. This included design and specification of absorption chillers, cooling towers and pumps.

**Lyondel Petrochem
Channelview, TX 1993**

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

Renovation of a control room to allow for the installation of new computer equipment to monitor plant processes. This included design and specification of explosion proof equipment and adherence to all codes including erection of a sixty foot tall outside air intake to avoid potential contamination from low lying chemicals in case of a leak.

Crown Chemical Texas City, TX 1992

Renovation of a control room to allow for the installation of new equipment. This included water leak detection at the floor level and design and specification of equipment to air condition the facility.

MEP Design Airport Facilities

International Arrivals Building, George Bush Intercontinental Airport Houston, TX 2003

Project manager for new telecom systems design in the International Arrivals Building (IAB0). The 784,000 SF, \$440 million facility, servicing the international traveler, has been designed to streamline the customs, immigration and baggage process for visitors coming to Houston. Design included new data equipment rooms and pathways for the entire facility.

Terminal "D", George Bush Intercontinental Airport, MDF Renovations Houston, TX 2003

Project manager and engineer for renovation of MEP and Telecom systems in this 1,000 SF data facility. Work included 3 new air conditioning units with N+1 redundancy, a new 100 kVA UPS system, layout of cabinets and cable tray and phasing of work to keep facility operational during construction.

William P Hobby Airport Houston, TX 2003

Project manager for renovation of telecom systems at this airport in conjunction with the construction of three new concourses (projects 417D and 417F). Design included new data equipment rooms and pathways for the entire facility.

Terminal "C", George Bush Intercontinental Airport Houston, TX 2000

Performing program, project management and engineering for multiple projects in this 655,000 SF facility. The scope of the projects will include revising the existing HVAC systems to handle the anticipated HVAC load increases for the next 20 years, renovation of the existing Telecommunications system with new IDF's, BDF's and an MDF. Upgrades to existing electrical system and a detailed study and monitoring of the existing electrical system. Investigation of the existing plumbing system and redesign of the existing system to accommodate future growth, the system is currently undersized.

MEP Design Food Service

Skyline Café Pasadena, TX 1996

David Boggess Architects

Project manager and mechanical engineer for the renovation of an existing 3,000 SF kitchen that involved a new layout of existing grilles, stoves, freezers, dishwashers, fryers and countertops. Redesigned the existing exhaust and makeup air systems along with the air conditioning systems.

Café Chino Houston, TX 1995

Project manager and mechanical designer for the renovation of an existing chinese restaurant that involved a new layout the dining and kitchen spaces. Redesigned the existing exhaust and makeup air systems along with the air conditioning systems.

School Kitchen Facilities Various Locations, TX 1991 - 1994

Mechanical designer for multiple school kitchen facilities. Responsible for coordination with the kitchen consultants and design of the exhaust and makeup air systems along with the air conditioning systems for multiple school projects, see school projects under k-12.

Grocery Store Kitchen Facilities Texas 1994 - 2003

Mechanical designer for multiple grocery store kitchen facilities. Responsible for the design of the exhaust and makeup air systems along with the air conditioning systems for multiple school projects, see Retail projects.

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

**Three Dog Bakery
Houston, TX 1997**

Project manager and mechanical engineer for the renovation of an existing retail space into a bakery for gourmet canine treats. This involved the renovation of the existing air conditioning systems and the addition of an exhaust hood.

*MEP Design
Retail*

**H-E-B
Georgetown, Houston and College Station, TX 2002**

Engineering Project Management and supervision of the MEP design for three new 90,000 SF grocery stores. Stores included restaurants, coffee bars, bakeries and deli's.

**Tom Thumb
McKinney, Dallas, Plano, and Richardson, TX 1996**

Design and specification of all mechanical equipment for a new store. This included coordination with the refrigeration contractor, Hussman, for the refrigerant lines and heat recovery for the store rooftop unit and domestic water heater. Design, layout and documentation of all mechanical systems, including bakery and deli kitchen exhaust and makeup systems and issue of construction documents for bidding. Perform owner requested changes to the plans and periodic site investigation complete with reports.

**Commisary
Ft. Hood, TX 1993**

Design Development of plans for a new commissary at Ft. Hood. Design of refrigeration cases, refrigerant line routing and heat recovery for domestic water heating and HVAC heating. Run loads for space and design and layout the entire HVAC system and produce DD's.

*MEP Design
Automotive Dealerships*

**Guzman Hyundai
Houston, Texas 2005**

Performed mechanical engineering for this new dealership.

**Powell Watson Toyota
Houston, Texas 2005**

Performed mechanical engineering for this new dealership.

**Jordon Ford
Houston, Texas 2005**

Performed mechanical engineering for this new dealership.

**Capital Chevy
Houston, Texas 2005**

Performed mechanical engineering for this new dealership.

**Bill Heard Chevrolet
Houston, Texas 1998**

Performed mechanical engineering for this new dealership.

*MEP Design
SPECIAL PROJECTS*

**100 Congress OA & Exhaust Renovation – Austin, Texas
Transwestern Property Company**

**100 Congress OA and Exhaust Renovation Site Visit – Austin, Texas
Transwestern Property Company**

**2000 Bering Chiller Investigation – Houston, Texas
2000 Bering**

**2000 Post Oak Boulevard Central Plant Investigation – Houston, Texas
Crescent Real Estate Equities**

**2200 West Loop South Cooling Tower Replacement – Houston, Texas
TCP Realty Advisors**

KEITH REIHL PE, MBA, CEM, AVS, LEED AP, GBE, CSDP, CBCP, HBDP, CEA

**2200 West Loop South Fire Sprinkler Design – Houston, Texas
TCP Realty Advisors**

**2200 West Loop South Garage – Houston, Texas
Ziegler Cooper Architects**

**9894 Bissonet Central Plant – Houston, Texas
PM Realty**

**BMC Software – Houston, Texas
Burr Wolff**

**Burr Wolff Energy Analysis Projects
Burr Wolff**

**Esperson Building Chiller Study – Houston, Texas
Transwestern Property Company**

**Grace Plan – Conway, Arkansas
Premiere Plans Architects**

**Health Care Realty Management – Houston, Texas
Health Care Realty Management**

**Lakeside Country Club Ballroom – Houston, Texas
Marks & Salley**

**Lakeside Country Club Crystal Room HVAC – Houston, Texas
Lakeside Country Club**

**Pennzoil Place Due Diligence – Houston, Texas
Cushman & Wakefield**

**South Texas School of Law HVAC Study & Renovations – Houston, Texas
Hietman Properties**

**Telecheck Outside Air Study – Houston, Texas
Telecheck**

**The Houstonian Hotel Club & Spa – Houston, Texas
MLN**

**Woodmont Property Chiller Review – Houston, Texas
Wells Fargo**

A MORE EXTENSIVE PROJECT LIST IS AVAILABLE UPON REQUEST