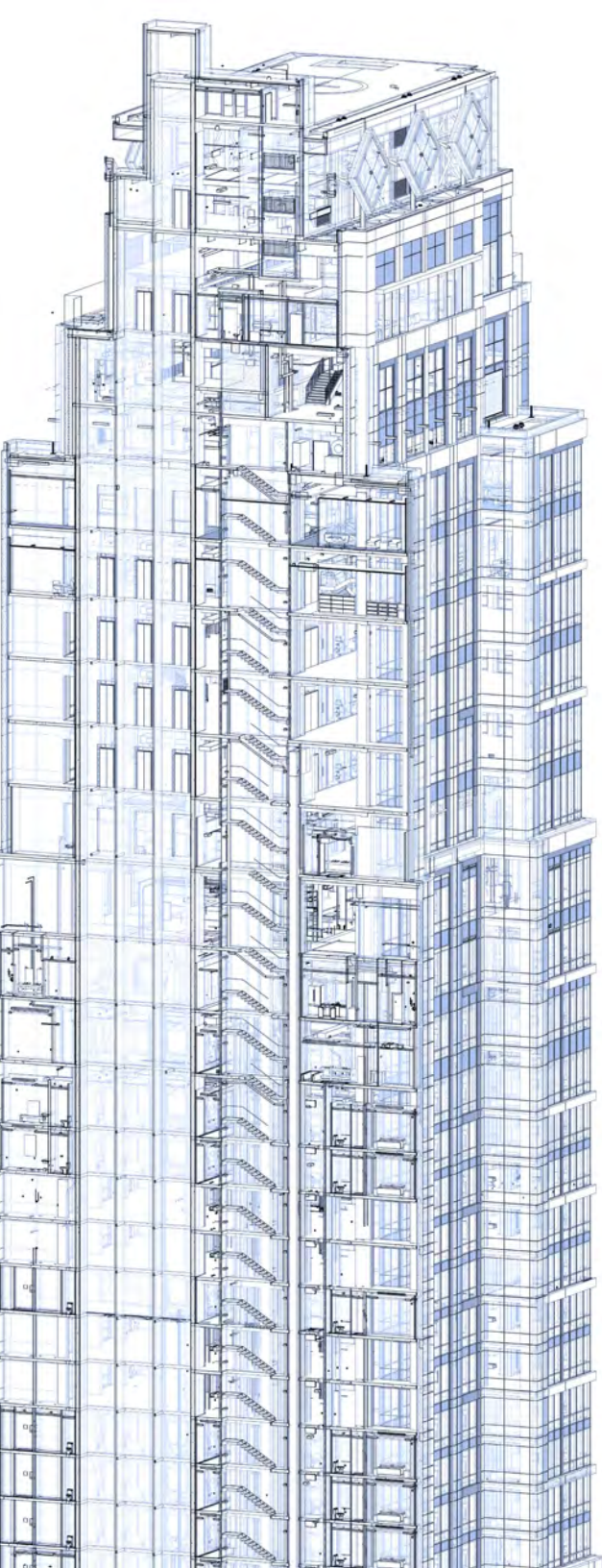




Thompson Ehle Company
engineering excellence for 40 years

MEP/FP, CIVIL, TSYS
ENGINEERING
PORTFOLIO

A COLLECTION OF QUALIFICATIONS AND
EXPERIENCE



WHO WE ARE

Our History

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Our Approach & Executive Summary

Sustainable Design

Our Capabilities

Our History

Founded in 1977 by W. L. Thompson, Thompson Ehle Company offers a comprehensive package of engineering services including:

Mechanical Engineering
Electrical Engineering + Lighting Design
Plumbing/Fire Protection Engineering

Civil Engineering + Water Features Design
Technology Infrastructure Design
Commissioning + Facility Assessment

Our Philosophy

Our business, consulting engineering, is a balance of art and science based on a foundation of knowledge and skills acquired through years of study and practical experience. To be successful, any Project must subscribe to total organizational loyalty. The 3-tier commitment includes:

- Designing to ethical and professional standards
- Providing the client with engineering solutions
- Delivering a quality product on time and in budget

The design approach includes planning, organization, proper staffing, effective direction, and control over the decision-making process. In order to provide proper up-front planning of a project, six planning elements must be considered and implemented at the beginning of the project. These elements must be maintained and/or adjusted as needed as the project moves through development. The six planning elements include:

Establish realistic objective
Program tasks to achieve objectives
Schedule tasks in a sequential time-frame

Budget efforts to accomplish tasks
Identify and resolve constraints to design process
Devise strategies to ensure profitability and success



Our Approach

In the TEC organization it is the Project Manager's task to establish realistic objectives to be accomplished by the Team during the development of a project. To establish these objectives, the Project Manager (PM) must ensure that the Team has a complete understanding of the project requirements.

The PM programs the required tasks associated with meeting scheduled milestones to set realistic objectives. Tasks include: Client, QA/QC, and internal reviews; information transfers; and milestone submittals. It is critical that the PM conveys all associated tasks that are essential to the planning process to the Team.

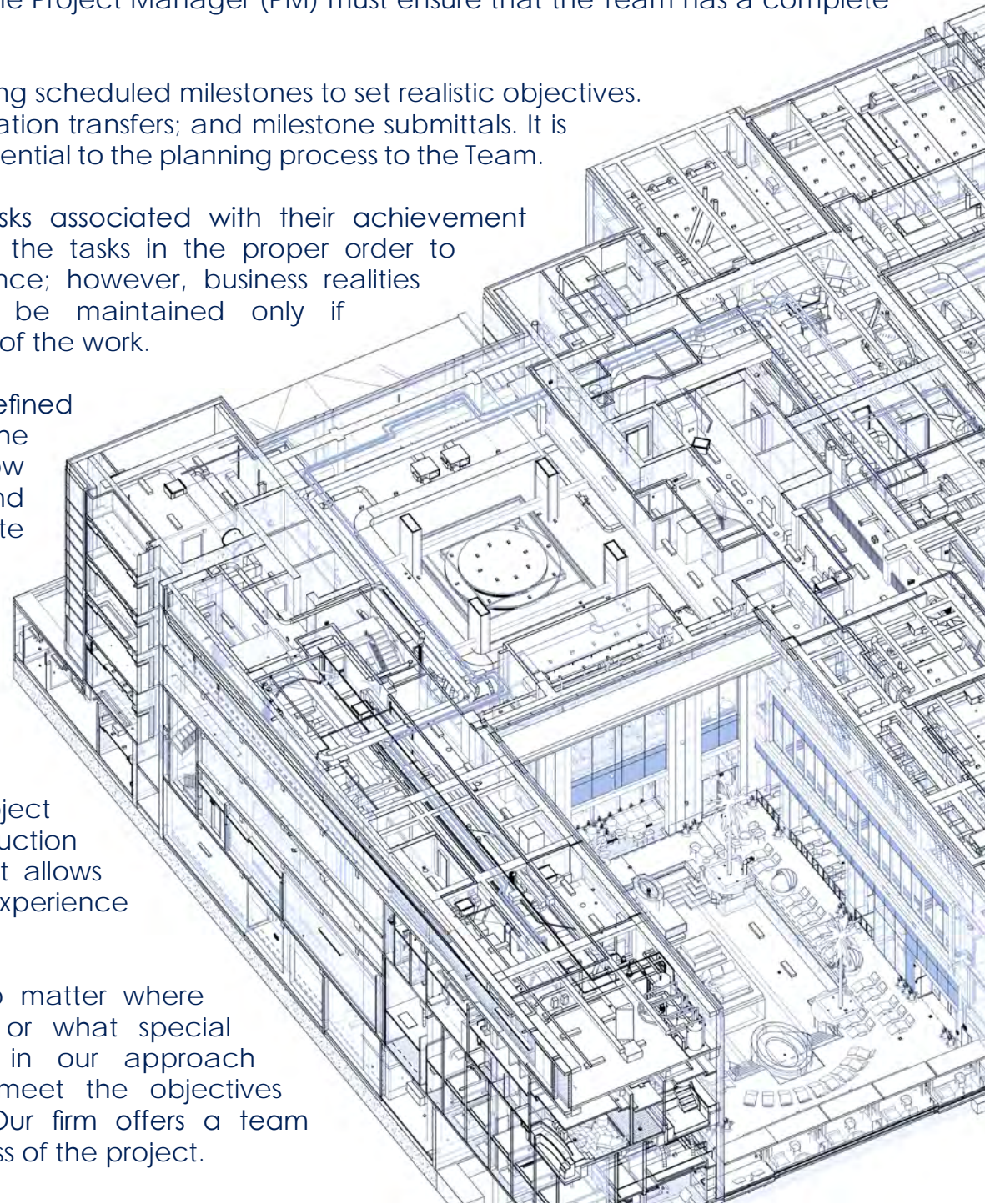
Once the objectives have been defined, and the tasks associated with their achievement have been programmed, the PM and Team schedule the tasks in the proper order to be successful. Scheduling is an art rather than a science; however, business realities make scheduling essential. High quality work can be maintained only if proper time is given to the production and review/revision of the work.

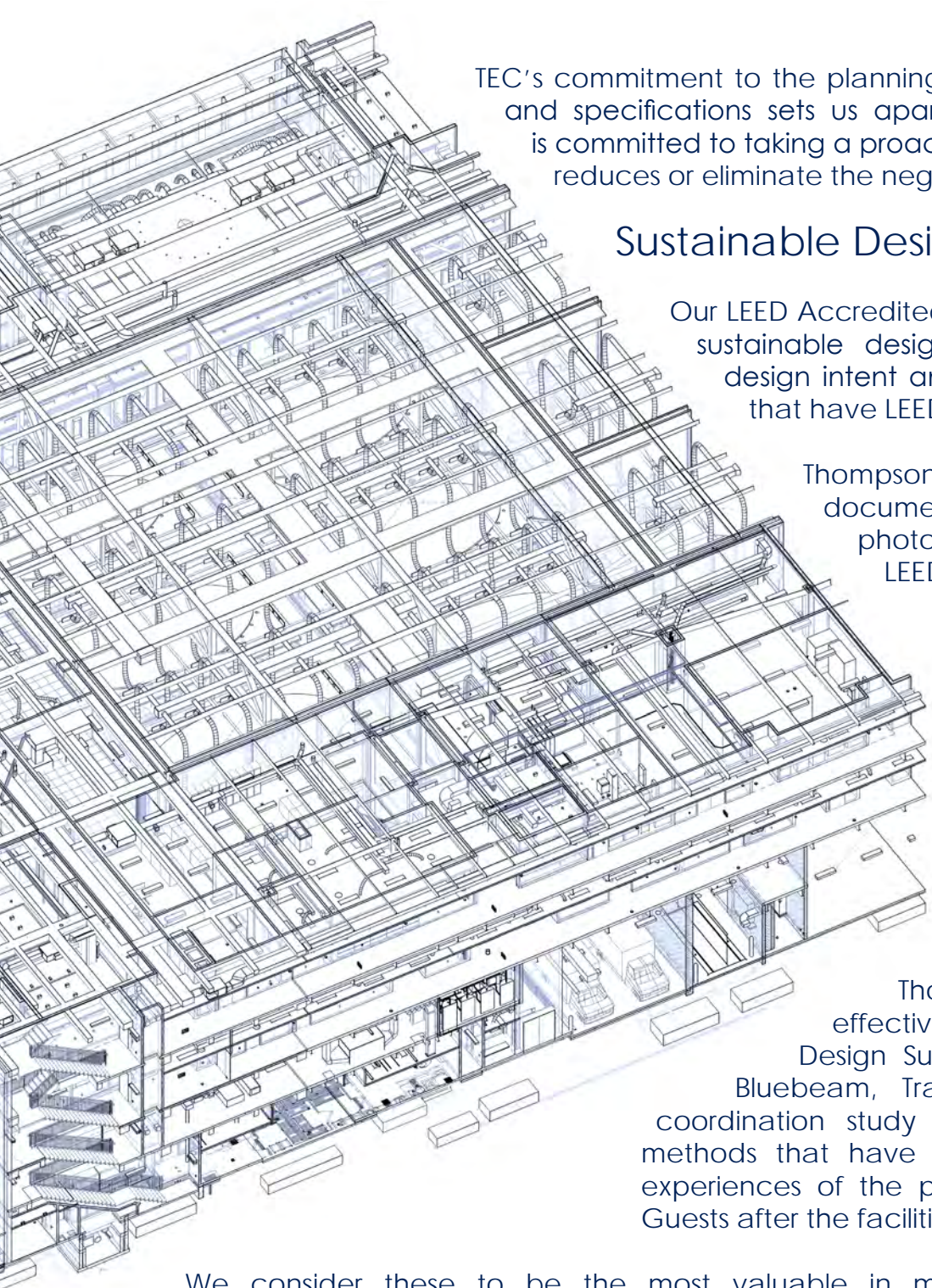
The PM and the Team have set realistic objectives, defined the tasks for plan development, and scheduled the tasks for success. Through our combined efforts, we now have a defined program to complete the project, and budgeted efforts by discipline and phase to complete the tasks.

The devised strategies ensure that projects remain successful and profitable by creating advantageous conditions, recognizing differing objectives which can create conflict, analyzing alternatives, and creating acceptability and scheduling performance.

Our team consists of a mixture of Senior Principals, Project Management, and Senior Engineer staff as well as production staff and our Quality Control department. We believe it allows for the best mix of service, quality control and engineering experience to be brought to the project.

TEC's unrivaled experience serves our clients today no matter where they are located, what type of project they offer, or what special needs each project demands. We are innovative in our approach to each project and strive to make each design meet the objectives and requirements set by the Owner and Architect. Our firm offers a team member that is unequalled in its commitment to the success of the project.





TEC's commitment to the planning and development processes and the production of plans and specifications sets us apart from other engineering firms. Thompson Ehle Company is committed to taking a proactive role in promoting the design of facilities that significantly reduces or eliminate the negative impact on the environment and occupants.

Sustainable Design

Our LEED Accredited Professionals play a key role in ensuring that an integrated sustainable design approach sets environmental goals, defines "Green" design intent and establishes definable metrics is achieved on all projects that have LEED accreditation as a goal.

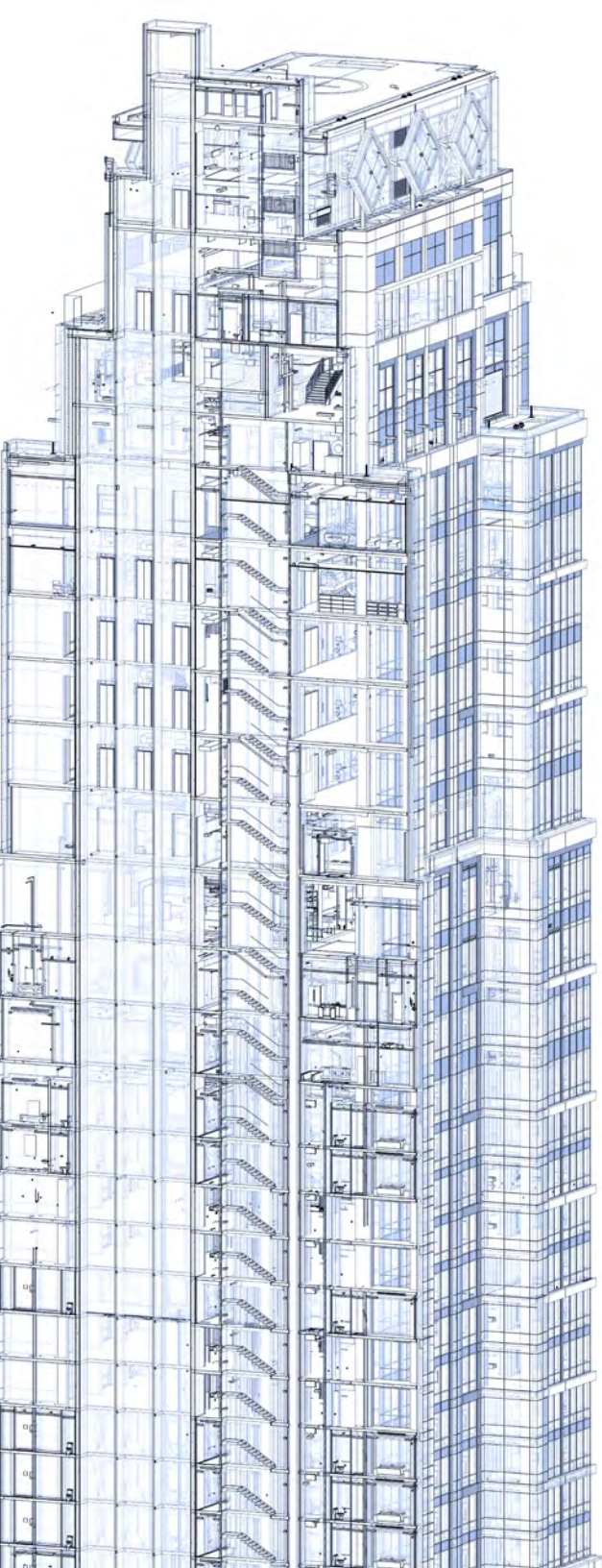
Thompson Ehle Company's sustainable design services include documentation of LEED credits with USGBC; lighting design photometrics; energy models and studies; energy audits and LEED Credit feasibility studies.

Striving for Sustainable design is largely driven by design options to achieve energy savings, from building envelope glass and insulating properties to actual systems modifications. Using solar to heat water used in outside air handlers is one way design can be used to improve energy efficiency of the building. Using demand control ventilation for large occupancy areas within the building is another.

Our Capabilities

Thompson Ehle Company's engineering professionals work effectively with BIM 360 Team Collaboration, Autodesk Revit Building Design Suite, Autodesk AutoCAD, Solibri Clash Detection Software, Bluebeam, Trane Trace, and SKM Powertools for short circuit and coordination study analysis. We also use our own proprietary calculation methods that have been developed over the last 40 years based on our experiences of the project types and feedback from Owners, Operators and Guests after the facilities have been in operation.

We consider these to be the most valuable in making sure the building have operated as they were designed and intended, as well as, help us continue to improve our work in the future.



WHAT WE DO

Mechanical Engineering

Electrical Engineering

Plumbing/FP Engineering

Civil + Site Engineering

Technology Infrastructure Design

Lighting Design

Water Features Design

Commissioning



T Y L E

As trusted leaders in engineering design for Lifestyle type projects, we view every project as establishing a relationship with the Client and the clientele that will interact with the project after completion. Lifestyle work requires a unique set of engineering skills to minimize the amount of energy required for the various functions performed every day, as well as, preparing the property with a design that is cost-effective for the investors involved with the project. We avoid the traditional dogmatic style, instead aspiring for something more unique to each urban center for every project. We have over 40 years of worldwide experience in Lifestyle project design, giving us a rare insight to anticipate the project's needs and then deliver a dynamic design.



GREAT WOLF LODGE CONCESSIONS MULTIPLE LOCATIONS

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services are being provided to Gensler for several concession locations throughout the US.

Locations include:

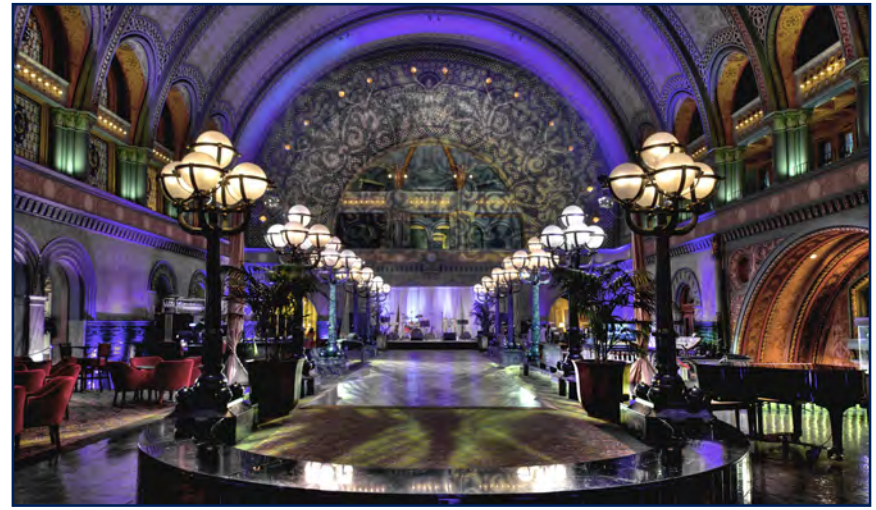
Garden Grove, Hungry as a Wolf - Garden Grove, CA
Garden Grove, Grab and Go - Garden Grove, CA
Grapevine, Hungry as a Wolf/Ben and Jerry's - Grapevine, TX

Mason, Lodge Wood Fired Grill - Mason, OH
Grapevine, Grab and Go - Grapevine, TX



5TH AND ALTON SHOPPING CENTER MIAMI, FL

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided for the 5th and Alton Shopping Center in Miami, Florida. The 5th and Alton Shopping Center consists of a retail complex in the South Beach District. The 700,000 square foot, three-story, retail complex includes a 522,000 square foot, six-story parking deck with 1,080 spots, a 44,439 square foot Publix Super Market and 133,561 square feet of retail shops, which includes 5,400 square feet of office space.



UNION STATION ST. LOUIS, MO

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided for the renovation of the Union Station in St. Louis, Missouri. The Union Station consisting of 200,000 square feet of retail shops, specialty restaurants, office space, the St. Louis Union Station Hotel, a 550 key DoubleTree by Hilton hotel, and a lake and plaza for festivals, concerts and other special events.

LIST OF STARBUCKS EXPERIENCE

- 7th St. – Atlanta, GA
- Atlanta Merchandise Mart – Atlanta, GA
- Battleground – Greensboro, NC
- Belle Hall Center – Mt. Pleasant, SC
- Birkdale Village – Huntersville, NC
- Bluffton – Atlanta, GA
- Canal & St. Charles – New Orleans, LA
- Capital Blvd. – Raleigh, NC
- Carytown – Richmond, VA
- Chateau & Esplanade – Kenner, LA
- College St. – Atlanta, GA
- Decatur Square – Atlanta, GA
- Dunwoody Place – Atlanta, GA
- Equitable Bldg. – Atlanta, GA
- Falls of Neuse – Raleigh, NC
- Gateway Village – Charlotte, NC
- Ghent – Norfolk, VA
- Glenwood & Peace – Raleigh, NC
- Holcomb Bridge – Atlanta, GA
- HWY 11 & Gause – Slidell, LA
- HWY 55 & New Hill – Holly Springs, NC
- HWY 74 – Monroe, GA
- I-575 & HWY 20 – Canton, GA
- Independence & Haygood – Virginia Beach, VA
- Independence Mall – Wilmington, NC
- Indian Trail – Atlanta, GA
- Kemps River II – Virginia Beach, VA
- Key West – Key West, FL
- Lake Norman – Cornelius, NC
- Lakeside Mall – Sterling Heights, MI
- Land Fall – Wilmington, NC
- Lynnhaven Mall – Virginia Beach, VA
- Mall of Louisiana – Baton Rouge, LA
- Manhattan & Gretna – Harvey, LA
- Marietta – Marietta, GA
- Midloathian & Courthouse – Richmond, VA
- Monroe, SC @ AT&T
- Montgomery X-Roads – Atlanta, GA
- Monticello – Monticello, GA
- Morrocroft Village – Charlotte, NC
- Mt. Tabor Place – Portland, OR
- Myrtle Beach – Myrtle Beach, SC
- North Hills Plaza – Raleigh, NC
- Oleander & Independence – Wilmington, NC
- Ponce & Glen Iris – Atlanta, GA
- Powers Ferry & Terrell Mill – Atlanta, GA
- Princess Anne – Virginia Beach, VA
- Providence Road Square – Charlotte, NC
- Rivanna Ridge – Charlottesville, VA
- River Road II – Henrico, VA
- Roswell Rd. – Atlanta, GA
- Shoppes at Deep River – High Point, NC
- Short Pump – Richmond, VA
- South Park Mall – Charlotte, NC
- Stratford Rd. – Winston-Salem, NC
- Sugarloaf & Old Norcross – Atlanta, GA
- Town & Country – Hammond, LA
- US 17 & HWY 544 – Myrtle Beach, NC
- Village at Falls Pointe – Raleigh, NC



DESTIN COMMONS DESTIN, FL

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided for the Destin Commons shopping center in Destin, Florida. The Destin Commons, located on 56 acres, is a single level "Life Style" retail center containing 90 stores and restaurants (totaling more than 400,000 square feet), fourteen screen movie theater, sixteen lane bowling alley, playground and 49 jet dancing fountain, 70,000 square feet of class "A" office area, a 155 key hotel complete with a full service restaurant, spa and ballroom. This project also consists of a below and six-story above grade parking decks with 2,700 parking spaces.



STRAITS RESTAURANT CITYCENTRE, HOUSTON, TX

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided to Tim Murphy Design Associates for The Straits restaurant at CITYCENTRE in Houston, Texas. The Straits restaurant includes: 6,100 square feet, kitchen, bar, seating area, and restaurant-designated public restrooms.



MALL ST. MATTHEWS LOUISVILLE, KY

Mechanical, Electrical, Plumbing and Fire Protection Engineering Design Services were provided for the Mall St. Matthews in Louisville, Kentucky. The Mall St. Matthews project includes multiple renovations and upgrades with a 55,000 square foot renovation of existing public areas, a 90,000 square foot expansion for additional retail space and a 19,360 square foot Food Court renovation.



LENOX SQUARE ATLANTA, GA

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided to Cavender-Kordys for the expansion of the Lenox Square Mall in Atlanta, Georgia. The Lenox Square expansion allowed the shopping mall to be the largest in the Southeast at the time of its completion with a total of 1.5 million square feet, over 250 specialty stores, three anchor department stores, connection to the JW Marriott Lenox hotel, and over 21 restaurants and food court.



AGUA BY LARBI ONE&ONLY PALMILLA, SAN JOSE DEL CABO, MEXICO

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided to HKS, Inc. for the Agua by Larbi at the One&Only Palmilla in San Jose del Cabo, Mexico. This al fresco, palapa-style restaurant serves Mediterranean cuisine, a unique hybrid of Mediterranean fare with Mexican influences. Agua is the creation of Celebrity Chef Larbi Dahrouch. As a result Agua has accomplished several accolades as "The Best Restaurant in Baja", "The Best design and Ambiance Restaurant in Mexico" and "The Best Chef in Mexico" by several publications. The restaurant includes: dining seating for 142, bar seating for 50, banquet/private rooms, fireplace, non-smoking area, patio/outdoor dining, smoking area, and infinity pool.



RIVERGATE MALL NASHVILLE, TN

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided to Fischer Perry for the renovation of the Rivergate Mall in Nashville, Tennessee. The Rivergate Mall renovation added 50,000 square feet of space and upgraded all interior mall spaces, courts, fountains and water features. The construction cost for this project was \$10M.



HOWL AT THE MOON CHARLOTTE EPICENTRE, CHARLOTTE, NC

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided to HOWL USA, LLC for the the Howl at the Moon Charlotte bar and venue at EPICENTRE in Charlotte, North Carolina. The Howl at the Moon Charlotte bar and venue includes: 5,470 square feet, two bar areas, public restroom, back of house storage and stage areas.



UNDERGROUND ATLANTA ATLANTA, GA

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided to the Underground Festival Development Company/The Rouse Company for the renovation of the Underground Atlanta shopping and entertainment district in Atlanta, Georgia. The renovation served as a revival of a 300,000 square foot retail and entertainment center.



THE QUARTER AT THE TROPICANA RESORT AND CASINO ATLANTIC CITY, NJ

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided to WATG at the Tropicana Casino & Hotel for The Quarter shopping pavilion in Atlantic City, New Jersey. The Quarter shopping pavilion includes over 30 retail shops, over 20 restaurants and lounges and the bluemercury spa all under one roof.



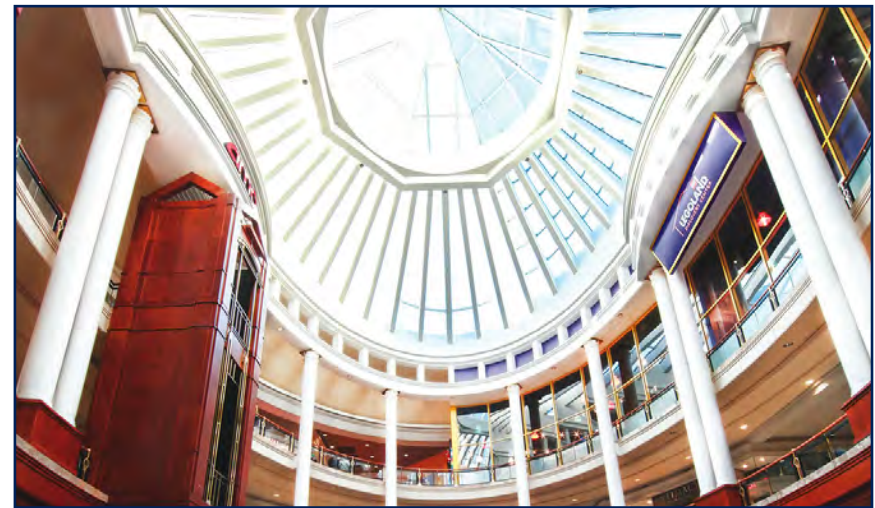
INTERNATIONAL SMOKE AVENTURA MALL, AVENTURA, FL

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services are being provided to MBH Architects for the new International Smoke restaurant at Aventura Mall in Aventura, Florida. International Smoke will include: 5,816 interior square feet and 1,800 exterior square feet, kitchen, bar, seating area, and restaurant-designated public restrooms.



INTERNATIONAL SMOKE CITYCENTRE, HOUSTON, TX

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services are being provided to MBH Architects for the new International Smoke restaurant at CITYCENTRE in Houston, Texas. International Smoke is taking the place of the former Straits restaurant we designed originally. The scope will include renovations to our previous tenant fit-out to accommodate the new owner.



PHIPPS PLAZA ATLANTA, GA

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided to Carter & Associates for the renovation and expansion of the Phipps Plaza shopping mall in Atlanta, Georgia. The Phipps Plaza shopping mall updated all interior common areas and added 40,000 square feet of space allowing the mall to house 100 specialty stores, five full service restaurants, a food court, and fourteen screen movie theater.



HOWELL MILL VILLAGE ATLANTA, GA

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided to Gary Coursey for the Howell Mill Village shopping center in Decatur, Georgia. The Howell Mill Village is a 20,000 square foot shopping center with specialty and convenience shops, as well as, a major grocery store and drug store. The construction cost for this project was \$2M.



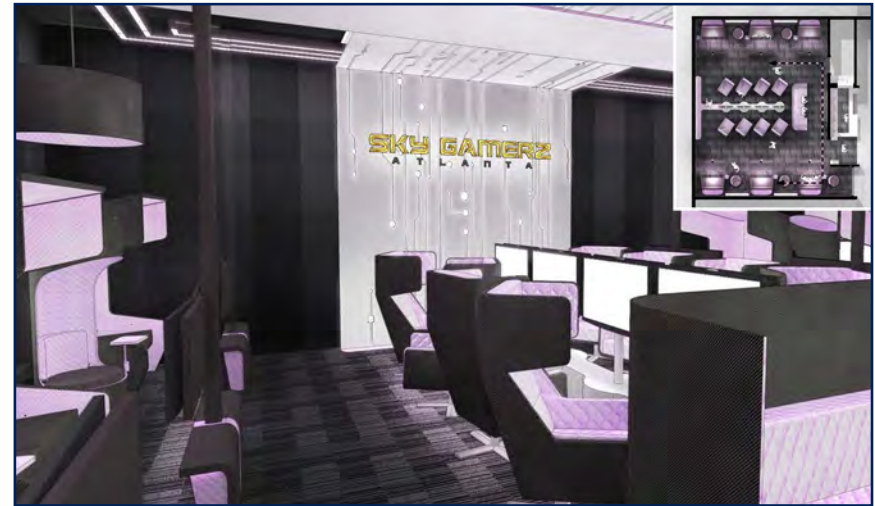
SEARED BY JEAN-GEORGES VONGERICHTEN ONE&ONLY PALMILLA, SAN JOSE DEL CABO, MEXICO

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided to HKS, Inc. for the Seared Fine Dining Restaurant by Jean-Georges Vongerichten at the One&Only Palmilla in San Jose del Cabo, Mexico. Seared features the freshest Pacific seafood and Mexico's most elaborate wine list. The restaurant includes: indoor dining seating for 108, veranda seating for 80, banquet/private rooms, non-smoking area, patio/outdoor dining, and smoking area.



CRABTREE VALLEY MALL RALEIGH, NC

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided to RTKL for the renovation and expansion of the Crabtree Valley Mall in Raleigh, North Carolina. The Crabtree Valley Mall renovation updated all interior common areas in the mall and the expansion added 190,000 square feet of space. The construction cost of this renovation and expansion totaled \$16M.



SKY GAMERZ LOUNGE CONCOURSES E & T, HARTSFIELD-JACKSON INTERNATIONAL AIRPORT ATLANTA, GA

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided to JPRA Architects for the Sky Gamerz Lounges in Concourse T and E at Hartsfield-Jackson International Airport in Atlanta, Georgia. The Sky Gamerz Lounges are approximately 1,000 square foot concession spaces that include video screens, gaming machines, lounge chairs, and a concession/POS front desk.



HOUSTON'S MULTIPLE LOCATIONS

Mechanical, Electrical, Plumbing, and Fire Protection Engineering Design Services were provided to Rabun, Hatch & Dendy for several restaurant locations throughout the US. Houston's includes: Private Lot Parking, Outdoor Seating, Full Bar, and a Trendy, Intimate, Romantic Ambience.

Locations include:

Houston's Restaurant, Lenox – Atlanta, Georgia
Houston's Restaurant, Memphis – Memphis, Tennessee
Houston's Restaurant, Ft. Lauderdale – Ft. Lauderdale, Florida

Houston's Restaurant, Houston – Houston, Texas
Houston's Restaurant, Boston – Boston, Massachusetts
Houston's Restaurant, Rockville – Rockville, Maryland

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