

Why do
Architects
Choose Summit
for mechanical,
electrical,
and plumbing
engineering?

**Because we
Respect the
Architect's Vision.**

We collaborate.

There are few experiences in life more exhilarating than being part of a successful collaboration.

Summit Consultants endeavors to increase each project's success by engaging with the architect in collaborative problem solving. This collaboration relies on openness and knowledge sharing as well as a high level of focus and accountability.

Collaboration exponentially increases the potential for an exemplary project. Collaboration is about bringing your best self to the table.

Bringing people together and then igniting and nurturing a collaborative effort are key tests of leadership and workplace culture.

Summit Consultants' leadership strives to create a culture of sharing that allows this to happen.

"I have had the pleasure of working with Summit Consultants for over sixteen years. During that period we have collaborated on projects of all types, including residential, institutional, and corporate. At all times I have found Summit to be creative, knowledgeable, pragmatic, and highly professional. I can recommend them without reservation."

GREGORY S. IBAÑEZ, FAIA
Ibañez Architecture

Who we work with...

We are privileged to work with some of the world's most visionary architects on the area's most inspiring projects. Summit Consultants thrives on complex challenges which offer unique opportunities to deliver innovative and sustainable solutions.

At the heart of Summit Consultants is a commitment to excellence and a deep sense of responsibility to our clients.

"For over twenty years I have worked Brian Richards and his team at Summit Consultants developing many of our firm's most important performing arts projects. These facilities require thorough understanding of the mechanical and electrical systems; inventiveness in developing appropriate solutions; and commitment to carefully executing all aspects of the work. Summit has always met and exceeded the challenges posed by these complex and demanding projects. Their work always enhances the architectural character of our work. The skill and professional work method of Brian and his team make working with them a highly rewarding experience. I look forward to working with Summit on many of our new projects.."

NESTOR BOTTINO, FAIA
Holzman Moss Bottino Architecture

Our Solutions.

Mechanical Systems Engineering

The mechanical engineer's exclusive domain is the ability to analyze and design objects and systems with motion. Summit Consultants engineers are creative and analytical thinkers. It is this type of thinking which enables us to overcome constraints in order to design highly efficient and effective mechanical systems. We understand the forces that a mechanical system will encounter and design them for functionality, aesthetics, and the ability to withstand their thermal environment.

Summit Consultants' continuous goal is to design sustainable mechanical systems that will operate simply and reliably.

Electrical Systems Engineering

Our electrical engineering group brings a depth of expertise to complex electrical engineering challenges for buildings, infrastructure and energy. We seek to provide practical and economical solutions to architects and facility owners for commercial, retail, educational, arts or mission-critical facilities encompassing all aspects of power planning, electrical distribution, on-site generation, UPS systems, lighting, and low voltage systems.

Plumbing Systems Engineering

Summit Consultants provides plumbing system design expertise based on thorough analysis of the specific challenges for each project to bring greater flexibility and efficiency to operation. We perform the calculations, size the equipment, and prepare the plumbing design and construction documents. We also provide site planning and construction oversight.

Fire Protection Systems Engineering

Fire protection and life safety systems are an integral part of overall building design and function. Summit Consultants provides creative fire protection solutions for complicated and challenging design projects.

Summit Consultants, has licensed fire protection engineers on staff who provide code consulting, building audits and surveys, fire protection system design and fire protection system commissioning.

Sustainable Systems Engineering

Summit Consultants performs under the belief that all elements of a building's design work together to meet the needs of its owners, occupants and environment. It is only by considering the total building design that facilities are created that use resources efficiently and are affordable to build and operate.

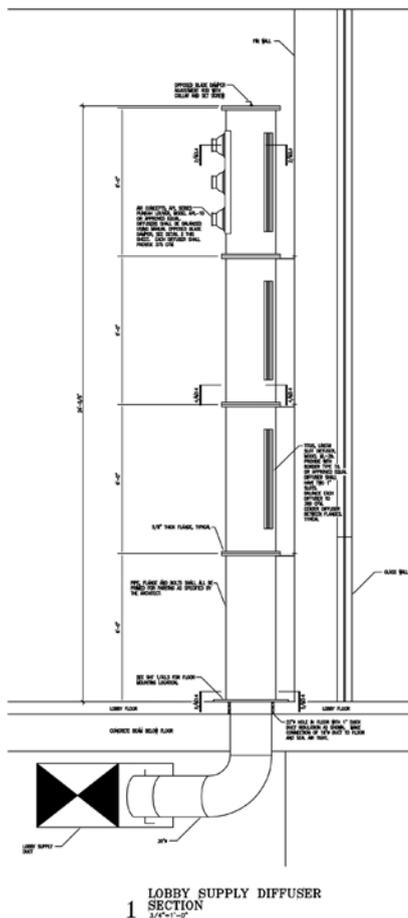
We advocate sustainable solutions through collaborative design - by bringing together all the building designers and technical specialists needed to shape a new building or retrofit an existing building.

Simple and Elegant Solutions to Enhance Design

Summit Consultants works with the architect to create buildings that meet the owner's requirements as well as the architect's aspirations. We strive to find the optimum balance between performance and design. Balanced solutions demand coordination and collaboration. Our engineers can make a mechanical system disappear and not be heard or we can work with the architect to design custom equipment to enhance the architecture of the building.

We go beyond standard engineering solutions — we engineer, we design, we are creative.

PROJECT: UNT Performance Hall
FIRM: Hardy Holzman Pfeiffer Architects



When asked to incorporate the air distribution into the lobby design, Summit Consultants worked with the architect to develop a custom built supply air diffuser that both functioned mechanically and integrated into the architecture of the building.



Simple and Elegant Solutions to Make Buildings Sustainable

To make buildings sustainable Summit Consultants designs for optimized performance. Only by working closely with the architect to consider the entire building design can we create systems for buildings that are enjoyable to inhabit, appropriate to their context and sustainable.

We have long promoted sustainable solutions through integration and collaboration. We work together with the building designers to shape a new building or retrofit an existing building.

We have worked with many architects to help them realize their sustainability aspirations for buildings.

Summit Consultants has worked on projects that have attained all certification levels in the LEED rating system, including Platinum. Energy-efficient, low-carbon foot print systems are key elements of a sustainable building project.

PROJECT: BRIT

FIRM: H3 Hardy Collaboration Architecture



Simple and Elegant Solutions for Art and Culture

Summit Consultants works with leading architects to create museums, libraries and venues of all types for music, dance, opera and drama facilities. We consider each element of the systems' design to ensure a building's multifaceted performance. We understand daylighting in museums as a dramatic design element and a factor in conservation as well as in energy efficiency.

Mechanical systems provide comfort for a space, but where live performance is part of the building use, the mechanical system must be unobtrusive. Summit Consultants has designed a number of music and theatrical performance spaces, and brings the needed expertise to the design team.

PROJECT: Kimbell Art Museum

FIRM: Renzo Piano Building Workshop



Simple and Elegant Solutions for Education

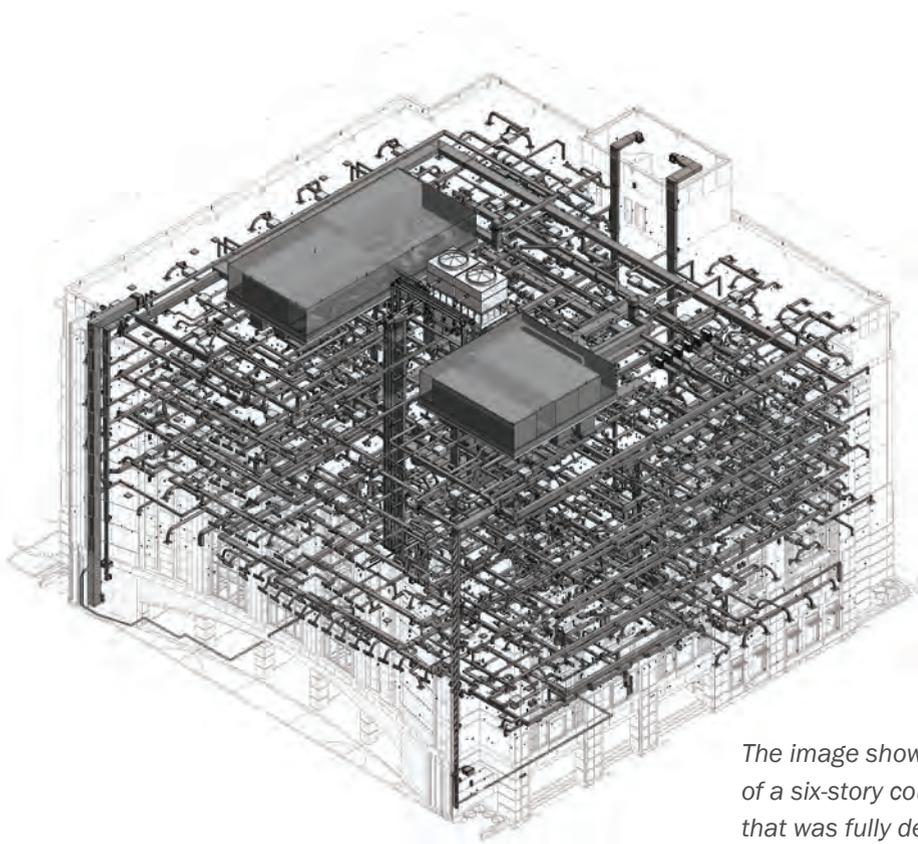
Educational facilities' challenges are always evolving. Many factors impact design criteria for educational facilities - such as shifts in funding models, advances in technology and new teaching approaches.

By understanding purpose, performance and future use, Summit Consultants brings enduring value to educational environments.

In education, it is essential that facilities are cost-effective to build, run and maintain. We understand how important it is that buildings are engaging, pleasant environments, equipped with quality systems that help institutions attract and retain students and staff.

We work closely with the architect and educators to provide building system solutions that meet specific needs in primary, secondary and higher education.

PROJECT: Tarrant County College
FIRM: Bing Thom Architects



The image shows an isometric of a six-story courts building that was fully designed by Summit Consultants in Revit.

Simple and Elegant Solutions for Coordination

Today's architects and engineers must adapt to unparalleled economic, social and technological change. There is more pressure than ever to deliver higher quality, more quickly. Summit's engineers have embraced the new trend in building design delivery by fully integrating Building Information Modeling (BIM) into projects.

Our engineers are leaders in their fields. By using the latest resources in BIM technology, our designs in mechanical, electrical and plumbing systems can be fully integrated into the building project - providing a useful tool to the building owner for years to come.



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