

K2NCREST

DESIGN + CONSULTING

*Innovative solutions for
every building need*





At K2N Crest we provide innovative

Building Solutions Since 1992

At K2N Crest, we're problem solvers who practice in the fields of architectural and structural design and renovation, interior renovation, forensic engineering, façade and building envelope consulting, roof consulting and design.

A small, specialized firm with offices in Oak Brook, Illinois and Kahului, Hawaii, K2N Crest professionals deliver effective, efficient results that work for your building and your budget.

Our services are used by:

- **Building Owners and Facility/Property Managers**, *who need to resolve commercial building design, façade, roofing and structural problems*
- **Architects**, *who need structural engineering support or refer specialized projects to our in-house architectural design team*
- **Commercial and Industrial Building Engineers**, *who need specialized architectural and structural designs that meet specific building code requirements*
- **Healthcare Facilities Project Managers**, *who need expert design services for healthcare building renovations and additions*
- **Renewable Resource Implementation Managers**, *who want photovoltaic (solar) and 'green' (vegetative) roof structural design and waterproofing recommendations and support*

solutions for every building need...

Supporting Building Owners and Facility/ Property Managers...

Building owners and facility/property managers strive to ensure the ongoing maintenance and structural integrity of their buildings. The challenges you face can be urgent, such as with a potential wall or roof collapse; ongoing, as when façade restoration or building remodeling is required; and frustrating, as with locating the root cause of a water seepage issue. K2N Crest has the knowledge and resources to help identify and resolve your structural issues quickly and effectively.

- **Building Design & Structure** - As buildings age, environmental deterioration, design flaws and structural defects that threaten the integrity of your commercial building can emerge. Our experienced forensic engineers identify the problem, determine a solution, create detailed specifications for implementation, and can manage the remediation process. When remodeling, our experienced architectural design team works closely with structural engineers to incorporate a design that supports your vision and maintains the integrity of your building.
- **Facade Restoration** - Weather, age and other environmental issues can wreak havoc on building exteriors. At K2N, we've worked on thousands of buildings - repairing crumbling and damaged façades for newer, modern construction of rolled steel, glass, concrete, masonry and terra cotta as well as historical landmark buildings where fragile façades must be treated with extreme care and caution.

- **Roof Consulting** - Roofing problems can often impact the entire building envelope, causing costly damage to your structure. Because of the multiple layers and different media used in roofing systems, many issues are imperceptible to the untrained eye and can only be found by a highly experienced roofing consultant. Our K2N roof consulting team has more than 35 years of experience, and is adept at identifying damage and deterioration and determining their underlying causes.



“K2N Crest Consultants have helped me solve many building issues over 20 plus years. They are experts at investigating issues and developing effective and creative solutions to repair existing buildings.”

*- Lynn R. Jester, VP Global Facility Management Lead,
Jones Lang LaSalle, Americas*

Supporting Architects...

Architectural firms across the country contact us frequently to provide expert structural engineering support.

At K2N, our experts have more than 35 years of experience in structural design and forensic engineering. We specialize in providing structural recommendations for the most challenging architectural designs and are adept at identifying and resolving building problems that others might miss.

We also receive architectural referrals. The architectural design team and our certified construction specifiers at K2N Crest are often called upon to handle smaller projects such as commercial and healthcare building renovations and additions, as well as projects that require specialized design such as food service and manufacturing facilities. Our personalized service and attention to detail deliver high quality results for these architectural projects.

Supporting Commercial Facility Engineers...

Building and renovating facilities to accommodate specific and highly restrictive commercial and manufacturing requirements can be a daunting task.

Major food and product manufacturing firms across the country have looked to K2N to design and build structures that meet their stringent guidelines. Companies like ConAgra Foods look to our team to incorporate the highest quality designs and construction specifications for optimal process efficiency, productivity, ergonomic design and worker safety.

Our commercial clients return to us again and again for help with their renovation and new building design projects. Our many years of experience, our attention to detail and our flexibility in supporting the unique needs of commercial building structures enable us to deliver successful results that often exceed your commercial facility requirements and expectations.

“K2N Crest is our ‘go-to’ company for solving difficult structural and architectural problems quickly and effectively.”

- Norris R. Eber, CRX, CSM, CLS
President/CIO, Abbell Associates, LLC




Supporting Healthcare Facilities Project Managers...

Healthcare facilities are constantly evolving - requiring renovations, additions and upgrades on a regular basis. As a healthcare facilities manager, you need the support of an experienced architectural team you can rely upon to get the job done with minimal impact to other working areas of your facility. You also want a firm that delivers consistently high levels of personal service and attention to detail no matter how large or small the project.

At K2N, we work closely with the Illinois Department of Public Health to ensure all healthcare projects meet established healthcare guidelines as well as IDPH regulations.

Because we offer a closely integrated architectural and structural solutions approach, your project is handled efficiently and cost-effectively. From building state-of-the-art treatment facilities to reconfiguring existing patient care units to upgrading reception and waiting areas, the K2N architectural and interior services team offers high quality solutions developed and delivered with care and efficiency.

As your healthcare operation continues to grow and evolve, we'll be your trusted partner in evolving your building and facilities to adapt to your changing needs.



"We engaged K2N Crest to help us with a challenging renovation project in our existing hospital. Space to accommodate patient support areas was difficult to find. K2N found a creative and aesthetically pleasing way to give us the required functions in the limited space available. They exceeded our expectations and completed the job on time and on budget."

- Alex Nisavic, Director Facility Services/Safety, Westlake & West Suburban Hospitals

Supporting Renewable Resource Implementation Managers...

As energy costs rise and environmental concerns continue to grow, renewable resource implementations are becoming more and more popular. Whether it's finding ways to incorporate photovoltaic solar power grid arrays on roofs, ground mount or carport structures, or developing a 'green' (vegetative) roof waterproofing and structural design, the impact of these implementations upon new and existing buildings requires significant structural consideration.

At K2N, we've worked on hundreds of photovoltaic installations - providing structural design services that support both aesthetic and structural load bearing

requirements. Our work with Haleakala Solar in Hawaii has enabled us to find new and innovative ways to add solar panels to existing building structures, such as carports. Together, we've been able to enhance the viability of solar installations throughout Hawaii and Illinois.

'Vegetative' roofs are another resource-friendly alternative that is becoming an increasingly popular installation in densely populated cities such as Chicago. K2N ensures your roof can support the additional weight of the heavy vegetative panels that create the insulating layer that helps reduce building heating and cooling costs.

For more information and to view our extensive portfolio of projects and results, visit www.k2n.com or call 630-990-9595.



"Partnering with K2N Crest has enabled Haleakala to address the structural needs of our clients for many years. Whether we're called upon to install solar panels or to design and install a solar hot water system, we depend on the registered roof consultants and structural engineers of K2N Crest for expertise and proven experience."

- Jim Whitcomb, President and Founder, Haleakala Solar



Donald E. Kimball,
S.E., P.E., CCS
Principal



Andrew Krauklis,
S.E., R.A.
Principal



David Nelson,
AIA
Principal

Innovative Thinkers and Problem Solvers

Founded in 1992, K2N Crest has completed more than 3,000 projects in 30 states.

The firm began as Crest Consulting Engineers P.C. with Donald Kimball and Andrew Krauklis primarily specializing in the investigation, repair and design of existing structures. They gradually added the structural design of new buildings to their practice.

In 2003, David Nelson brought an architectural and interiors practice to the existing architectural engineering and structural engineering practices. This prompted the change to K2N CREST (two K's and one N representing the firm's principals), while retaining the name Crest that was familiar to existing clients.

In 2006, the firm added a roof consulting practice, which was expanded in 2013 with the addition of Tom O'Brien. The combination of these talents and an expanding in-house team provides a superior level of service and the ability to address a wide range of building design and maintenance issues, including multi-state licensing and certification in...

- *Architecture*
- *Structural Engineering*
- *Professional Engineering*
- *Construction Specifications*
- *Roof Consulting and Roof Observation*

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