



ALPINE
RESORT
EXPERIENCE

JKAE

architecture + interiors + engineering



Imagine. Design. Build.

inclusive environments that enrich the human experience



Life is a
grand adventure...
enjoy the ride.

- Jonathan Lockwood Huie

Located in Truckee-Tahoe, Reno, Auburn, and San Jose, JKAE has **40 years of experience** providing top-notch service to local ski areas and large resorts alike. Through expertise-driven design and leadership, we pride ourselves on our **award-winning designs** and comprehensive planning services. Our team is comprised of **skiers and riders who have a passion for the mountain** and everything the resort industry has to offer. We've explored ski areas from all over the Western United States and Canada, to Alaska, Japan, and Europe – providing us with extensive, worldwide knowledge as well as invaluable observations of ski operations and the resort experience.



ABOUT JKAE

Team Members

JKAE is a team of experts that have dedicated their professional careers to architecture, engineering and design. The strength of our team comes first with the trust and respect that has grown over decades of experience and collaboration. The individual relationships that exist within each team member are equally as strong connecting on a professional and personal level. JKAE Partners and Principals provide years of architecture experience in collaborative planning, creative design, and transformation projects. JKAE also has decades worth of engineering experience with civil and structural engineering projects, along with the extensive knowledge on high-altitude design.

“ The strength of our team comes first with the **trust** and **respect** that has grown over decades of experience **and working together...**

- Carla Sammis | Principal, JK Architecture Engineering ”

Our Values

PEOPLE: We value team engagement: clients, public agencies, design consultants, and contractors. We are in the people business; building consensus and trust and, most importantly, having FUN!

PURPOSE: We value our role and expertise as your trusted advisor to assist in successfully achieving your goals. This role extends beyond the traditional design process to draw upon what makes sense for a resort: from a functional, practical, economical, and return on investment point of view. We align our effort in serving your purpose.

DESIGN: Our depth of experience with alpine resorts allows us to provide constructible designs that not only meet regulatory and environmental requirements, but function at enhanced operational and user experience. As members of the Sierra community, we have a passion for the environments in which we Live, Learn, Work, and Play. We believe that sustainable design is an integral part of every project, and we take pride in developing sensitive designs that balance social, practical, and economic needs with the environment. Our team is able to service your on-mountain needs by assisting with a variety of projects from the base to the summit. Through our creative and unique solutions, we aim to not only serve your needs, but exceed your expectations.

INNOVATION: We value our passion and expertise for high quality, evidence-based design solutions. At JKAE, we seek to develop facilities that are sustainable, environmentally effective, and enrich the mountain resort experience. Employing high performance design elements like daylighting, high-efficiency energy and water systems, and environmentally sensitive materials is a simple yet effective way to decrease the carbon footprint of a facility. We strive to create and build in a forward-thinking, creative manner.

JKAE Qualifications

Mountain Resort Strengths & Specialties

JKAE brings a unique strength with our integrated architectural and engineering team specializing in high-altitude design and environmental planning. Our philosophy is that good planning lays the foundation for improving the sense of place, human experience, and overall return on investment. We aim to help you evolve your brand identity into a message and physical expression of character, attitude, personality, and imagery that will continue to celebrate your story. Our process for support includes a collaborative engagement with each of our clients. We seek to develop a unified and visionary plan that expands the four season activities, creates a cohesive aesthetic of resort grounds, and improves recreational and entertainment opportunities. We also strive to improve circulation in a friendly experience, enhance lodge and support services, reflect the resort brand, and create a sustainable resort destination that encourages a flourishing environment of continued prosperity and value.

We take the pragmatic aspects of snow-country design very seriously. We understand snow-loading and snow melt challenges, snow storage concerns, facility durability and ease of maintenance demands, snow-country material selection, and unique vehicular traffic and pedestrian safety. One element that we put great emphasis on is *bringing the outside in* by expanding views from the interior, maximizing daylighting, and emphasizing indoor group collaboration and gathering areas. We understand the design sensitivity around the four seasons as well as types of snow and wind phenomena and their impact on structures, operations, and the user experience. JKAE understands such differences – applying them to each snow country design.

Aesthetic Objectives

As high-altitude architects and engineers, we feel a great sense of responsibility for the legacy we leave behind with every project we deliver. We strive to leave every site we touch better than it was before we began. We work to integrate the outdoor environment into our facilities in a way that enhances indoor-outdoor spaces, connections, and activities. The JKAE team applies tried and true design elements in new and innovative ways to meet and exceed our client's expectations.



Our Approach

IMAGINE: Understanding Vision & Goals

The first step in the planning process is developing a clear understanding of dreams and goals for the project. This involves personal communication, inspirational imagery, architectural tours, defining programmatic goals of function, form, economy, time, sustainability, and above all, listening to your Vision.

DESIGN: Spirit of Place

Understanding the natural and cultural forces that have shaped the spirit of the mountain resort is significant in the execution of a master plan and resort expansion planning. We explore 3D alternatives and collaboratively fine-tuning toward architectural concepts. We seek to understand the *Spirit of Place* and create an environment of timeless beauty through sensitive and eloquent solutions that balance the project goals of function, form, economy, time, and sustainability.

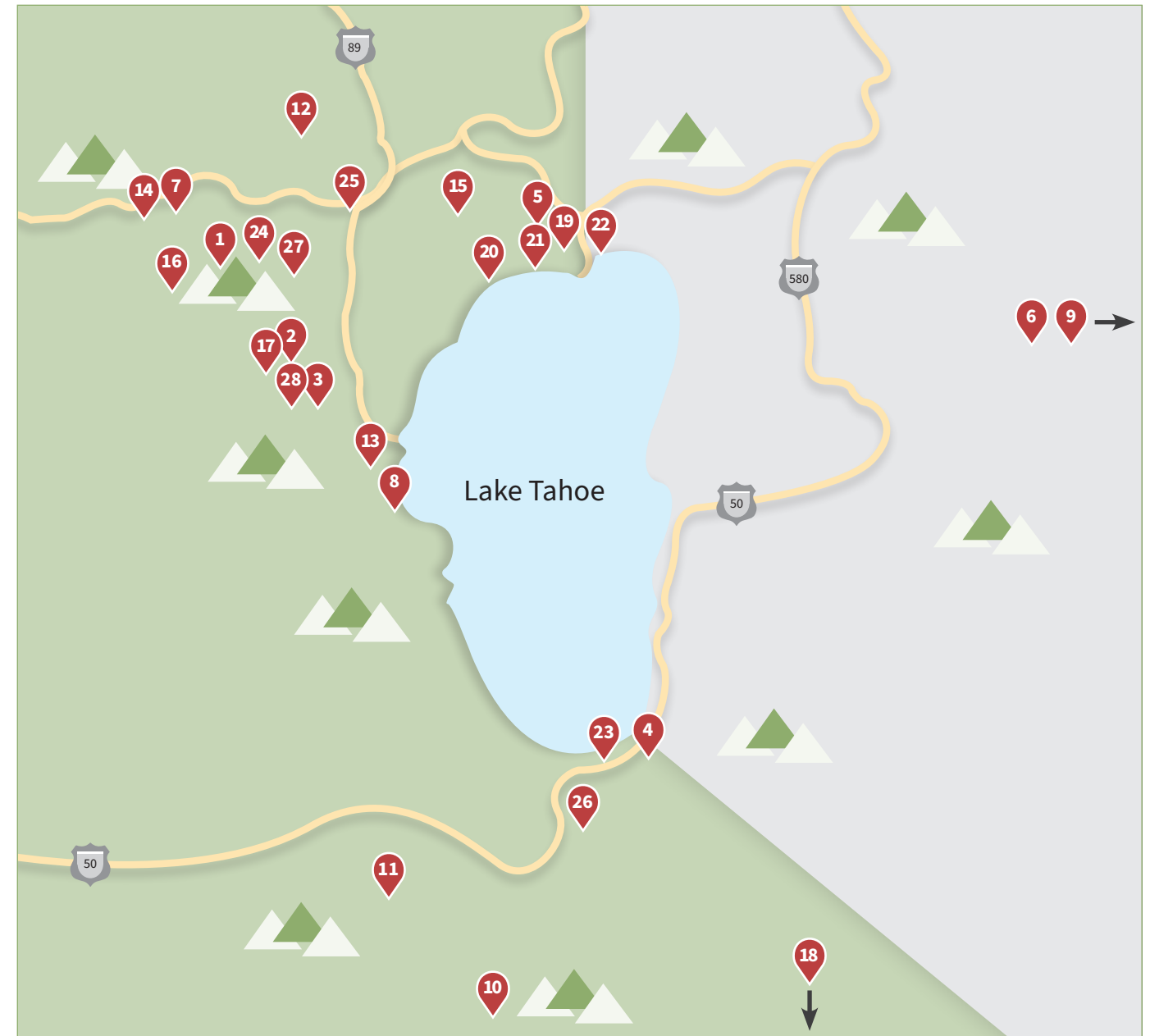
BUILD: Translating Vision into Reality

Design enriches our life experiences. We believe that design is holistic from concept to reality and emphasize accountability in translating design into construction documentation. We are an integrated architecture and engineering studio that embraces thoughtful craftsmanship and delivers sustainable return on investments.

JKAE

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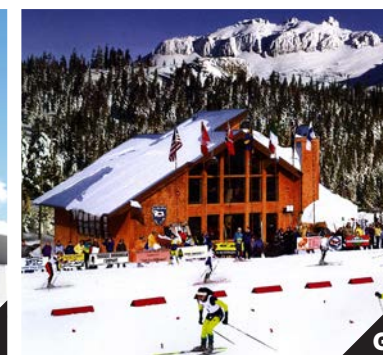
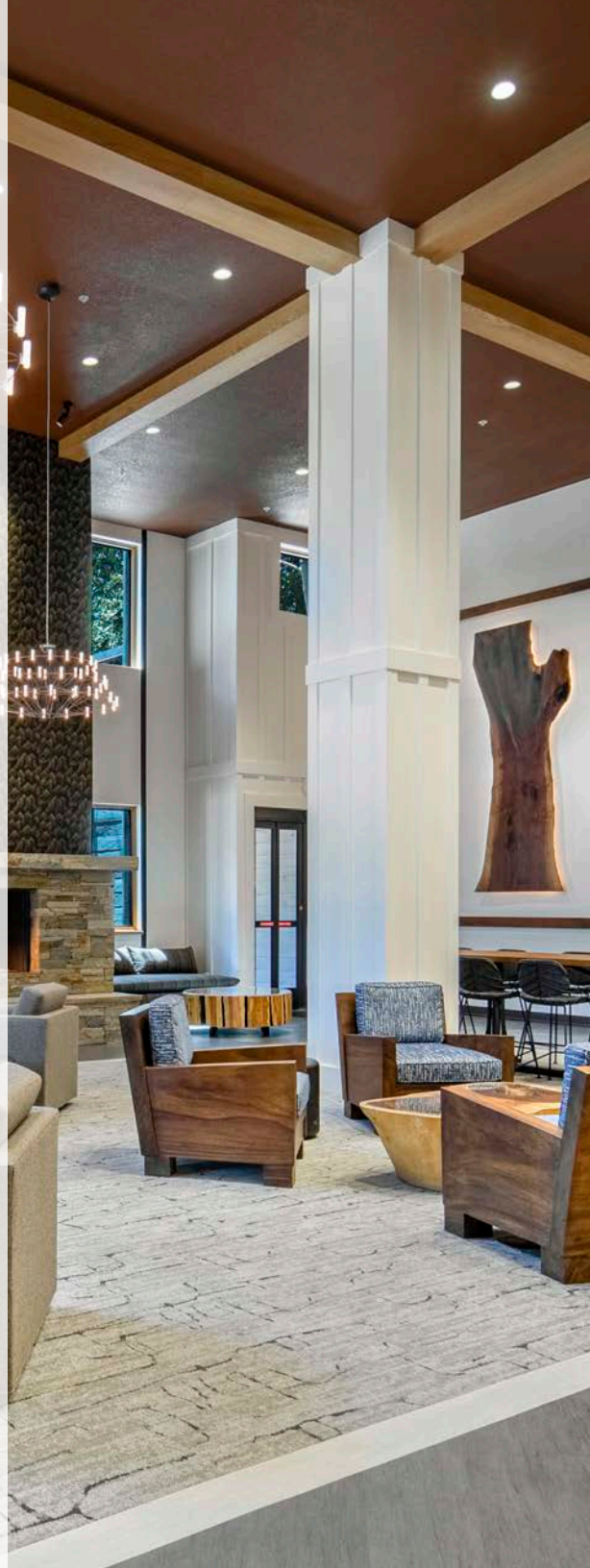
- 1** Sugar Bowl Resort
- 2** Palisades Tahoe Resort
- 3** Alpine Meadows Resort
- 4** Heavenly Valley Resort
- 5** Northstar Resort
- 6** Vail Resorts
- 7** Boreal Resort
- 8** Homewood Resort
- 9** Park City Resort
- 10** Kirkwood Resort
- 11** Sierra at Tahoe Resort
- 12** Tahoe Donner Resort
- 13** Granlibakken Resort
- 14** Auburn Ski Club
- 15** Mountainside Resort
- 16** Powdr Corporation
- 17** Alterra Mountain Co.
- 18** Town of Mammoth Lakes
- 19** Ritz Carlton Tahoe Resort
- 20** Tonopalo Resort
- 21** Boulder Bay Resort
- 22** Cal Neva Resort
- 23** Tahoe Beach & Ski Club
- 24** Cal Lodge
- 25** Truckee Donner Community Recreation Center
- 26** South Lake Tahoe Community Recreation Complex
- 27** Donner Memorial State Park New Amphitheater
- 28** Achieve Tahoe Adaptive Sports Center



Architecture

At JKAE, we **Imagine, Design, and Build** inclusive environments that enrich the human experience. Our passionate, informed, and creative approach is a direct reflection of our connectivity to the resort industry and all it has to offer. We take pride in listening to your goals and analyzing your site to understand the unique conditions and microclimate.

Our team has extensive experience in snow-country, high-altitude design that stems from decades of living and practicing in the region. We have planned and designed complex resort, residential, and community facilities at Donner Summit, Donner Lake, Mammoth Lakes, Lake Tahoe, Truckee, and throughout the greater Sierra Nevada region. Planning and designing **efficient, cost-effective, maintenance friendly, and pleasant facilities** for snow country requires a strong understanding of the planning, maintenance, structural loading, and accessibility requirements. Our expertise has given us this foundation of knowledge to **turn your high-mountain vision into reality.**



A | South Lake Tahoe Community Recreation Center **B** | Boreal Resort - Woodward Basecamp
C | Northstar Resort Village Amenities **D** | Sugar Bowl Resort Disney Lodge **E** | Truckee Donner Community Recreation Center
F | Palisades Resort Gold Coast Lodge **G** | Auburn Ski Club **H** | Achieve Tahoe Adaptive Sports Center
Left Page | Squaw Valley Lodge

Civil Engineering

JKAE has a long history of collaborating with ski resorts, as well as many other development clients performing **civil engineering services** in many different types of site and civil work. Our history with various ski resorts around the Lake Tahoe Region dates back **40 years** and continues to this day.

Our team provides extensive experience with the many different aspects of Civil Engineering, from initial land development planning, to CEQA and Entitlements processing, through high quality and efficient site design, grading, drainage, and sustainable storm water management. We are fully conversant in the design of utilities, agency processing, types of retaining structures, and Best Management Practices. We are licensed QSP and QSD practitioners, LEED credentialed professionals, and experts in Low Impact Development (LID).

The most prominent aspect and value we provide is a **very high level of service**. The size of our firm allows principals and senior civil engineers to closely collaborate with each project. We think of ourselves as **advocates for your project**. Our field construction experience gives us the foundation for effective construction management. Value engineering, or value planning & design, is something we integrate into our process throughout the project and not just at the end to keep projects in alignment with budget.



A | Truckee Community Recreation Center **B** | Lompa Ranch Multifamily Housing Project **C** | Town of Truckee Corporation Yard
D | Cal Neva Lodge **E** | Palisades Resort Funitel **F** | Sugar Bowl Chalet Townhomes
G | Kings Canyon Channel Crossing Culvert Installation

Structural Engineering

JKAE has provided **structural engineering services** to our ski area clients, as well as all manners of commercial and residential clients, in the Sierra Nevada Mountains **for over 30 years.**

With high wind, snow, and seismic loads, we tackle every type of building and non-building structure from foundations to superstructures. Whether the design solution calls for steel, concrete, wood, or some other product, we stay current on codes and methodologies to provide cost effective and constructible designs. JKAE understands current costs for materials, labor, and the various efforts to build. Good structural design is not only meant to support buildings or structures, but factors in the costs and time frames to construct. It also considers the appropriate level of construction forces and contractors necessary for providing a high quality product.

Our high level of client service, particularly when projects are under construction and questions need to be resolved quickly, has created a very strong level of confidence from our clients. They know that we will respond as soon as possible with practical solutions. Many clients return year after year because of the quality of our construction documents, our detailing expertise, and our **“always ready”** attitude.



A | Ritz Carlton Tahoe **B** | The Lodge at Tahoe Donner **C** | Sand Harbor
D | Palisades Resort Funitel **E** | Northstar Gypsy Trail Mountain Bike Feature
F | Sugar Bowl Resort Townhomes **G** | Heavenly EPIC Discovery Park Coaster

About JKAE

JKAE is a leading-edge architecture and engineering firm offering design expertise in a wide range of community and resort facilities. We bring the experience and knowledge of 40 years in recreational planning & design. From aquatic centers to museums and everything in between, we take pride in listening to your goals and engaging you throughout the entire process. We believe that collaboration is key, and our **hands-on approach** is **personal, passionate, and proven.**

At JKAE, we **Imagine, Design, and Build** inclusive environments that enrich the human experience, and our expertise has given us a foundation of knowledge to turn your vision into reality.



SCAN TO WATCH
OUR SKIERS + RIDERS

Get in Touch

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