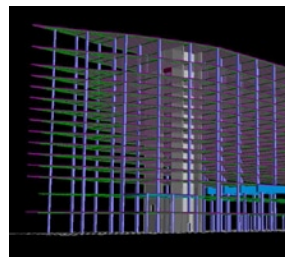
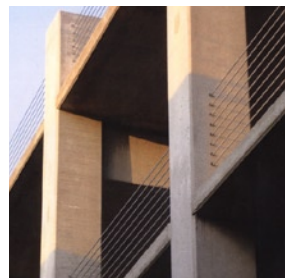




CULP & TANNER

structural engineers



QUALITY

CREATIVE

DIVERSE

COMMITTED

DESIGN

PEOPLE

EXPERIENCE

SERVICE

HOTELS / GAMING

C&T has provided design services for **over 40 hotel properties ranging from 2 to 41 stories**. The latest of these, the M Resort in Las Vegas, is featured on the front cover of this brochure. Many of these projects incorporate significant low-rise construction consisting of: casino areas, convention centers, restaurants, parking structures and central plants. This project type demonstrates **C&T's diverse design capabilities and ability to coordinate even the most complex of projects**.

HEALTH CARE

Using a variety of construction methods, C&T has designed a number of health care related facilities including: medical office buildings, hospital parking facilities and hospital Tenant Improvement projects.

EDUCATIONAL

C&T's experience on **over 50 educational sector projects** include an elementary school campus, a middle school campus, a university technology classroom facility, academic surge facilities, dormitories and parking facilities. The San Jose State University Residence Hall and Student Center project, pictured below, demonstrates C&T's capability within the educational project sector.

"Efficient design, quality documents, and attentive service. These words summarize the structural engineering services provided by Culp & Tanner on our 2300 bed, 1 million square foot Campus Village Student housing project for San Jose State University. But these words don't tell the whole story. Not only did they deliver a quality product, but their flexible approach and engaging team attitude made working on this challenging project much more fun and enjoyable."

-Ed Palmer, Niles Bolton Associates



Woodland Police Headquarters, Woodland, CA

MUNICIPAL

C&T partnered with a design-build contractor to provide **the first LEED rated police station in the country**, the Woodland Police Headquarters, CA. Our resume of new municipal construction includes projects for cities, counties, the US Navy and the Washington DC Transportation Authority.

RESIDENTIAL

C&T's residential experience includes single family wood frame residences, podium supported wood framed apartments, and multistory concrete frame apartments. One of several podium projects, the Windemere Village Apartments, features **830,000 square feet of 3 and 4 story wood frame units supported by a post tensioned concrete podium over 1 level of parking**.

TILT UP

With over 40 completed tilt-up projects, C&T has had the opportunity to develop a design approach that appreciates the unique blend of architectural impact and constructability constraints characteristic of tilt up construction. C&T's designs have implemented the more institutional "punched opening" look, as well as the "maximum glass" look afforded by a tilt up ductile frame (see photo below).



BTV Office Park, CA

"...With every challenge Culp & Tanner exceeded the demands of the project by diving directly into the issue and providing timely responses, which helped our team in meeting the original project completion date. Culp & Tanner's experience with concrete design allowed our team to overcome any project challenges with efficiency and certainty. I look forward to working with them on any of my future projects."

- Dylan G. Rogers, SUNDT Construction

MIXED USE

With experience in residential, office and parking structure projects, C&T is perfectly equipped for today's mixed use construction. Our design of 800 J Street Lofts included 6 levels of residential units above a perimeter of street level retail space and an interior core and basement providing the required 1-1/2 levels of subterranean parking.



800 J Lofts, Sacramento, CA

PARKING

C&T has completed **over 150 parking projects using cast-in-place, hybrid and double-tee construction methodologies**. This extensive experience has allowed us to develop an unmatched array of highly advanced, in-house, CAD supported systems for the design of parking structures. A recent project, the visually appealing Sony Headquarters Parking Structure, utilizes cast in place construction and incorporates a rooftop employee fitness center with tennis and basketball courts.



M Resort Garage, NV



Sony HQ Parking Garage and Fitness Center, San Diego, CA



Rabobank Arena, Bakersfield, CA



SPORTS FACILITIES

Sporting facility design **exercises C&T's expertise in the design of cast-in-place concrete, precast concrete, and structural steel**. Pictured above, the 10,000 seat Rabobank Arena took full advantage of C&T's skill-set by incorporating cast-in-place shear walls, precast stadium seating and long span steel trusses. The 150,000 seat Las Vegas Motor Speedway, and the 9,500 seat Orleans Arena are additional examples of our experience with this project type.



San Jose State University Residence Hall and Student Center, San Jose, CA

Project Information:

- 1,000,000 SF Mixed Use (5 Structures)
- 2300 Student, Faculty & Staff Beds
- 2 Levels of Subterranean Parking (690 Cars)

C&T CULTURE

We believe value is created by a "can do" team approach that allows each partner's expertise to contribute to the success of the project. We believe in creating innovative systems and solutions through an interactive process with our clients. At Culp & Tanner, we believe structural engineers can provide a service beyond a set of drawings.



COVER FEATURE: THE M RESORT, Las Vegas

The design build team of Marnell Carrao and Culp & Tanner partnered together for another successful high end resort / casino. From 150 foot steel trusses to the stand for the nations tallest Christmas tree, C&T provided services for all major structures:

- 570,000 SF Podium Casino
- 340,000 SF High Rise Hotel
- 1,959 Stall Parking Structure
- Central Plant, Porte Cochere & Pool Structures

"Culp & Tanner's engineering capabilities have been instrumental in developing our designs; always mindful of cost, constructability, and patron safety."

-Tony Marnell, Owner / Architect / Contractor



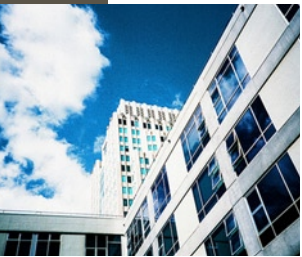
RORY ROTTSCHALK, PRINCIPAL

"I feel very fortunate to have 'landed' at Culp & Tanner in 1976. With the company only 4 years old at the time, C&T's principals, Bob Culp and Doug Tanner, had already developed a company that mixed professionalism with personality, and combined a relaxed environment with a determined pursuit to meet deadlines and client expectations. We have been fortunate along the way to be involved with some of the construction industry's best who we are proud to know as both clients and friends."



THE CULP & TANNER TEAM

The Chico office of Culp & Tanner has enjoyed tremendous continuity of staff. Our engineering staff has an average of over 20 years with C&T and our drafting staff, over 17 years with C&T. **Continuity of quality people is central in our ability to assure our clients of consistent design excellence and top quality service.** C&T's efficient work environment creates constant collaboration during the development of designs, bringing together individual strengths in: analysis, structural performance, creativity and cost effectiveness.



MIXED USE

TILT UP

PARKING

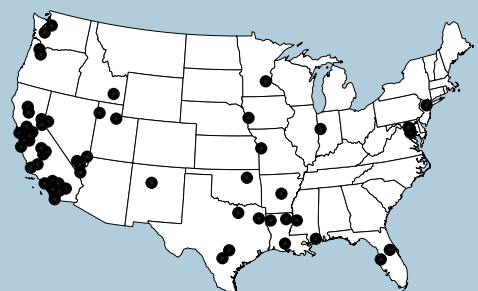
EDUCATIONAL

GAMING



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Nationwide Project Experience