



**KIRK N. ELLIS & ASSOCIATES
STRUCTURAL & CIVIL ENGINEERING, LTD.**

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October 19, 2009

FIRM OVERVIEW

Kirk N. Ellis & Associates was established in Reno in February 1987, as a Professional Structural Engineering firm. The company has completed a wide variety of successful projects throughout the Northern Nevada area, Las Vegas, and Northern California.

We provide many types of structural engineering services for all types of structures: including investigations and reports; feasibility studies; preparation of structural designs, structural drawings and specifications; and construction phase support services, to name only a few.

We are a fully equipped Structural Engineering firm. We maintain an extensive library of completely interfaced structural analysis and design software, CAD software, and office processing capabilities. Computers are used extensively in the daily operations of the company. Computer Aided Drafting (AutoCAD Release 2010, Revit Structure 2010) is used almost exclusively for all drafting functions.

We have personnel on staff with considerable structural design experience in Nevada and Northern California. We are quite familiar with the snow loads, high wind forces, and the earthquake loading in the vicinity.

By virtue of an experienced, competent, loyal, and motivated technical and clerical support staff; KNE and Associates can provide comprehensive Professional Structural Engineering services on projects of all magnitudes: from the very small to the very large.

The level of technical sophistication provided on each respective project is tailored to the project.

Kirk's **38** years of Structural Engineering experience molds, shapes, and directs each and every KNE & Associates project.

KIRK N. ELLIS, P.E., S.E.

Kirk N. Ellis, P.E., S.E., is the President of KNE & Associates. He left the firm of Clark Gribben & Associates in February 1987, where he was Vice President and Partner/ Shareholder. Kirk has a very broad range of experience as the principal in charge and/or the structural design engineer on numerous projects including major hotel/casino projects, warehouses, schools, hospitals, university buildings, office buildings, banks, major public works structures, apartment buildings, parking structures, HS20 rated bridge structures, commercial and industrial buildings, and structural rehabilitation, restoration, and seismic retrofit work. He has **over 38 years of experience** in the structural engineering and structural dynamics field.

Kirk N. Ellis, P.E., S.E., became a Registered Civil and Structural Engineer in Nevada in 1976 and 1979, respectively; and in California in 1975 and 1978, respectively.

Kirk attended the University of Nevada, Las Vegas, where he obtained a Bachelor of Science in Engineering Science in 1972. He was listed on the Dean's Honors List several times while at UNLV. He relocated to Reno, where he has been since, and attended the University of Nevada, Reno, where he obtained a Master of Science in Civil Engineering in 1974, specializing in structures and structural dynamics. During his graduate studies he maintained a perfect 4.00 grade point average.

While finishing his Bachelor of Science program at the University of Nevada, Las Vegas, and for a period thereafter, Kirk was employed by URS John A. Blume & Associates Engineers as a research engineer. He was involved with the Dynamic/Seismic modeling and structural analysis of the majority of the high rise structures then in Las Vegas. This was in connection with the testing of up to two megaton nuclear events at the Nevada Test Site, which caused ground shaking in Las Vegas. He also authored or co-authored several technical reports on structural dynamics related subjects.

While completing his Master's Degree program at the University of Nevada, Reno campus, Kirk was employed by the Civil Engineering Department as a Graduate Teaching Assistant. He was responsible for the teaching of several upper division courses in Civil Engineering. From 1976 to 1978, he taught Computer Programming for the Civil Engineering Department at UNR, as a part-time adjunct professor.

Kirk is a Member of the American Society of Civil Engineers and past President of the Truckee Meadows Branch for 8 years. Also, he held a position with the Historic Resources Commission for the City of Reno. He is also past President of the Nevada Section, ASCE; and is a Member of the National Society of Professional Engineers. In 1980, he was elected by the Reno Chapter of NSPE as the Young Engineer of the Year. He is also a Professional Member of the American Concrete Institute, the American Institute of Steel Construction, the Post Tensioning Institute, and the Pre-stressed Concrete Institute. Kirk is also a member of the Structural Engineers Association of California Central Division (SEAOCC) and was a Member of the Seismology Committee for Earthquake Resistant Building Design, and on the SEAOCC Board of Directors, Eastern District. Kirk is also a member of the Structural Engineers Association of Nevada (SEAON). He has also served as a Guest Member of the Nevada State Board of Registered Professional Engineers on numerous occasions.

Since college, Kirk has designed an impressive volume of work, as can be seen from the attached Projects List.

BRIAN WILCOX

Brian Wilcox started his CAD experience teaching 3D Animation and Multimedia Design for Granite School District in Utah for three years. He then started his own successful business doing Multimedia and Graphics Design. He moved to Reno in 2002 and started working as a Truss Designer. While designing trusses for the largest companies in the Reno area, Brian has gained valuable insight into the workings of construction companies and their practices. He has extensive knowledge of computer programs and languages, including important AutoCAD & Revit skills. Brian has been with KNE & Associates since July 2005.

TYLER HAACK

Tyler Haack attended the University of Nevada Reno, where he earned a Bachelor of Science Degree in Civil Engineering, in the spring of 2007, specializing in structures. He is currently working towards a Master's Degree in Business Administration (M.B.A) while managing his full time career. Tyler earned his degree while working full time at a steel joist manufacturer, where he designed and detailed steel joist and girders for commercial projects. After obtaining his undergraduate degree he went to work for Blakely, Johnson & Ghush, Inc. as a structural designer. Tyler gained valuable experience working on a wide variety of structural systems including metal stud, steel, wood, and concrete. Tyler has obtained experience with a multitude of structural computer programs such as AutoCAD, Revit, Sap, and Staad. Tyler has been with KNE & Associates since July 2008.

PROJECTS EXPERIENCE LIST

The following is a representative list of Projects where Kirk N. Ellis, P.E., S.E., was Principal-in-charge and/or Project Structural Engineer for both his current and prior company [Listed with Clients for the respective Projects]:

HOTEL-CASINO PROJECTS

- John Ascuaga's Nugget 28-Story Tower #1 (Plan Check)
Post-Tensioned Concrete, Ductile Frame [City of Sparks]
- John Ascuaga's Nugget 29-Story Tower #2 (Complete Structural Design)
[John Ascuaga]
- John Ascuaga's Nugget West-End Remodel - 11th Street Casino Expansion, Courtyard Motel Underpinning, Oyster Bar Demolition, Dumpster Building Underpinning, Boiler Room Area Demolition, 1957 Building Remodel.
- John Ascuaga's Nugget - Victorian Avenue 150,000 sf Expansion, 150' Dome Structure, Bowling Stadium.
[John Ascuaga, Peter B. Wilday] (Not Yet Built)
- John Ascuaga's Nugget - Parking Structure Retrofit Project
[Peter B. Wilday, Architect and John Ascuaga]
- Peppermill Hotel/Casino East Expansion \$60 Million/Recently completed
[Peter B. Wilday/Architect]
- MGM Grand Hotel Exhibition Center [Martin Stern & Associates]
- Horseshu Casino Hotel [Nielsen & Company, Owner Developer]
- Cactus Pete's Casino [Nielsen & Company, Owner Developer]
- Harrah's Virginia Street Sign [Harrah's]
- McDonald's Addition to Harrah's [Martin Stern Associates and Harrah's]
- Bill's Casino Additions [Marnell Corrao Associates]

HIGH SNOW LOAD PROJECTS

- Bank of America South Lake Tahoe [Robert Mason, Architect]
- Tantara Towers Shopping Center, Incline Village, Nevada
[Jerry Cruitt, Architect]

- Strawberry Mine Mill Building (300 pound per square foot snow load in the High Sierras) [Teledyne Tungsten (Prime)]
- Kirkwood Ski Area Lift Maintenance Building (300 pound per square foot snow load in the High Sierras) [Robert T. Ramsey, Ltd. and Kirkwood Ski Area]
- Structural Review Consultant to Ridge Tahoe Development Company (Jim Madsen) on the following projects:
 - The Ridge Tahoe Twin 8-Story Tower Condominiums
 - The Ridge Tahoe Building 15 (150 PSF Snow Load)
 - The Ridge Tahoe Building 16 (150 PSF Snow Load)
- Squaw Valley Lodge Investigation [Dempsey Construction]
- U.S. Marines Mountain Warfare Training Center - Multipurpose Building [Sheehan Haase and Van Woert Architects]

OFFICE BUILDINGS AND BANKS

- Redfield Office & Condominium Suites (8 Buildings) - John Masquelier
- Lakeridge Center Office Complex - 3 Stories (35,000 sq.ft.) [Nate Topol]
- Security National Bank - Carson City Main Office (Post-Tensioned Concrete Slabs) and Shear Walls Designed for 5 total stories, including one level of underground parking. [Vhay & Ferrari Architects]
- Liberty-Hatch McKenzie Office Building (6 stories, including two levels of parking structure) Post-Tensioned Concrete Slabs, Ductile Concrete Frames [McKenzie Construction and Sheehan, Haase and Van Woert Architects]
- Bank of America South Lake Tahoe [Robert Mason, Architect]
- Pioneer Citizens Bank Moana Lane [Ray Hellman, Architect]
- Frontier Savings Virginia St. Main Office [Jack Miller & Associates, Las Vegas]
- Morrey Distributing Office Building [Studio One Architecture & Planning]
- Kleinfelder Office Addition [Harris Licata Architects]
- Vargas and Bartlett Law Offices Slab Investigations [Harris Licata Architects]
- Perry & Spann Law Office Building [Studio One Architecture and Planning]

PUBLIC WORKS AND GOVERNMENT PROJECTS

- Elko, Nevada Main Post Office Structural Integrity Report
[Studio One Architecture & Planning]
- Pershing County Law Enforcement Center
[Ray Hellman & Associates]
- Reno/Sparks Convention Center - North Hall
(Large clear span area 240 feet x 420 feet) (\$20 Million in today's dollars)
[Parsons Design Group/Jack Miller & Associates]
- Reno/Sparks Convention Center - North Meeting Rooms
[Parsons Design Group/Jack Miller & Associates]
- Idlewild Swimming Pool Building [City of Reno (Prime)]
with Sheehan Haase and Van Woert Architects, Consultants
- Reno Fire Station #6 [Sheehan Haase & Van Woert Architects]
- Reno Fire Station #10 [Sheehan Haase & Van Woert Architects]
- City of Sparks, Main Fire Station [Sheehan Haase & Van Woert Architects]
- Nevada State Capitol Building Rehabilitation Earthquake Resistant Design.
This Project would run about \$25 Million in today's Dollars.
[State of Nevada] (Prime Consultant, with Vhay and Ferrari as Consulting
Architects)
- Fallon Water System Reservoir Structures (2) Multi-Million Gal. Concrete
Structures
[City of Fallon (Prime)]
- Northwest Swimming Pool [City of Reno (Prime)]
- Spring Valley Station Post Office [Architronics (Las Vegas)]
- Regional Transportation Commission Transfer Facility
[Sheehan Haase & Van Woert Architects]
- Douglas County Library Addition [Ferrari/Sweeney Architects]
- Washoe County Library Relamping Cage Investigation
[Washoe County Public Works Department]
- Livestock Events Center Truss Investigation
[Reno/Sparks Convention and Visitors Authority]
- Bishop and Walker River Tank Foundations [U.S. Public Health Services]

- Dual Diagnosis Residence and Multi-Purpose Buildings
Sparks and Las Vegas, Nevada [Richie & Associates]

HOSPITALS AND MEDICAL OFFICES

- Washoe Medical - Cancer Center (\$25 Million today's Dollars) (Design Completed - Not Built) Hospital went private, under new management (Designed for 5 total stories, including one level of underground parking) [Vhay & Ferrari Architects]
- St. Mary's Hospital (Original Wing 1920) Seismic Shear Walls and Massive Grade Beam Foundation Retrofit [Saint Mary's Hospital (Prime)]
- The following Washoe Medical Center projects with [Vhay & Ferrari Architects]
Washoe Medical Center, Psychiatric Wing Addition
Washoe Medical Center, Business Office Addition
Washoe Medical Center, Central Plant Addition
- The following Washoe Medical Center Projects with [Harris Licata Architects]
Washoe Medical Center, Canopy
Washoe Medical Center, MRI Building
- VA Hospital Building 1D Feasibility Study to Add Two Stories [Studio One Architecture & Planning]
- Sierra Health Care Center Addition [Jerry Cruitt, Architect]
- Lake's Crossing Bed Addition [Henry & Clark Architects]
- St. Mary's Medical Office Parking Structure (6 stories) Post-Tensioned Concrete [McKenzie Construction & Sheehan, Haase and Van Woert Architects]

UNIVERSITY AND SCHOOL PROJECTS

- Virginia City High School Classroom Expansion [Hannafin & Associates, LLP]
- George Whittell High School Gymnasium [Hannafin & Associates, LLP]
- Elko County Schools (7 Schools) [Vhay & Ferrari, Architects]
Northside Elementary Addition
Southside Elementary Addition
Elko Junior High School
Jackpot High School
Carlin High School Addition
Wendover Elementary School
Montello Elementary School
- Mackay School of Mines –UNR-4 Stories [Sheehan Haase & Van Woert Architects]

- University of Nevada, Reno - Main Library Addition (3 Stories)
[Vhay & Ferrari, Ltd.] Post-Tensioned Concrete
- Western Nevada Community College - Phase III Expansion
[Studio One Architecture & Planning]
- Humboldt County Schools (4 schools) [Sheehan Haase & Van Woert Architects]
Winnemucca Junior High School Addition
Lowry High School Addition
Grass Valley Elementary School
McDermitt High School Gymnasium and Addition
- Douglas County Schools (3 Schools) [Vhay & Ferrari Architects]
Carson Valley Middle School Classroom Addition
Carson Valley Middle School Resource Center
Douglas County High School Addition
- University of Nevada Reno - College of Business Administration Building
(Six Story Concrete Ductile Frames and Post Tensioned Concrete Slabs)
[Vhay and Ferrari Architects] \$25 Million in today's Dollars.
- Battle Mountain High School [Vhay & Ferrari, Architects]
- The following school projects with [Ferrari-Sweeney Architects]
Battle Mountain High School Gymnasium
Battle Mountain Junior High School Locker Room Remodel
Lander County School District - Central Kitchen Addition
- Washoe County School District - Bus Maintenance Facility
[Ferrari-Sweeny Architects]
- Fallon Middle School [Vhay & Ferrari, Architects]
- Mineral County High School Gymnasium [Vhay & Ferrari, Architects]
- Reed High School Central Kitchen Expansion - Phase I and II
[Studio One Architecture & Planning]
- University of Nevada Reno - New Resident Dormitory (Canada Hall)
About \$10 Million in today's Dollars -Completed in 1993
No Structural Change Orders [Ferrari-Sweeney Architects]
- University of Nevada Reno - 1992 Improvements and Additions to Mackay
Stadium [Worth Group Architects]

- Churchill County School District (1992 Projects)
[Ferrari-Sweeney Architects] (\$13 Million)
 - New Elementary School - Merton Drive
 - Classroom Additions & Misc. Retrofit to the High School
 - Auto Mechanics Classroom Building - High School
 - New Theater Music Building - High School
 - Misc. Retrofit at Northside Elementary School
 - Misc. Retrofit at E.C. Best Elementary School
 - Misc. Retrofit at West End Elementary School
 - Misc. Retrofit at Fallon Junior High School

WAREHOUSES-INDUSTRIAL-MANUFACTURING

- Morrey Distributing Refrigerated Warehouse (60,000 sf)
[Studio One Architecture & Planning]
- Snap-On Tools Western Regional Distribution Center Carson City
[Snap-On Tools (Prime)]
- Dipaco Manufacturing Facility [Dipaco (Prime)]
- Dermody Semi-circular Warehouse (300,000 sf)
[McKenzie Construction]
- Specialty Brands Sparks Warehouse [McKenzie Construction]
- B.F. Goodrich Warehouse (500,000 sf) [Commercial Lease (Prime)]
- J.C. Penney Company Stead Regional Catalog Distribution Center
Various Modifications (1,700,000 sf) [J.C. Penney Co.]
- Home Shopping Network (300,000 sf) (Structural Review Consultant)
[City of Reno]
- R.R. Donnelley Printing & Manufacturing (500,000 sf)(Structural Review
Consultant)
[City of Reno]
- State Farm Insurance Multi-Regional Stock Facility (Structural Review
Consultant) [City of Reno]
- Allmetal, Inc. Manufacturing Warehouse (60,000 sf) [Meiser Enterprises, Inc.]
- Nady Warehouse [Harris Licata Architects]

PARKING STRUCTURES

- Nevada Department of Transportation vehicle Storage Facility (Phases I, II & III)
[Sheehan Haase & Van Woert Architects]

- St. Mary's Medical Office Parking Structure (6 stories Post-Tensioned Concrete)
[McKenzie Construction]
- Sparks Parking Structure (5 stories Post-Tensioned Concrete)
[Independent Review Consultant to the City of Sparks]
- Security National Bank Carson City Main Office Designed for 5 total stories,
including one level of underground parking (Post-Tensioned Concrete)
[Vhay & Ferrari Architects]
- Liberty-Hatch McKenzie Office Building (6 stories, including two levels of parking
structure, Post-Tensioned Concrete, Ductile Frame) [McKenzie Construction]
- Washoe Medical Cancer Center
(Designed for 5 total stories, including one level of underground parking)
[Vhay & Ferrari Architects]
- John Ascuaga's Nugget - Parking Structure Retrofit Project
[Peter B. Wilday, Architect and John Ascuaga]

BRIDGE STRUCTURES

- I-80/Sparks Boulevard Bridge Overpass (Project Engineer Only) [NDOT]
- Saint Mary's Hospital - Mechanical Room Under Elm Street
(*HS20 Rated Bridge Structure) [Saint Mary's Hospital]
- Pad/Bridge Structure Over I-80, between Virginia and Center Streets,
Reinforcement and Stress Analysis; and Corrosion Studies [Ribiero Corporation]
- Canyon Drive Bridge at Last Chance Ditch (HS20) Interim Posting Limit
Determination, Condition, Status, and Report, Design of Glu-Lam Timber
Superstructure Alternate System [Washoe County Engineering - Kirk Nichols]
- Canyon Drive Bridge at Last Chance Ditch (HS20) Design of Reinforced
Concrete Slab Superstructure, Construction Phase Support Services
[Washoe County Engineering - Kirk Nichols]
- Washoe County Emergency Bridge Temporary Steel Replacement,
Determination of Condition, Report [Washoe County Engineering - Kirk Nichols]
- Timothy Lane at Dry Creek Crossing, Interim Posting Limit Determination and
Condition, Status, and Report, Recommend Interim Load Enhancement
Shoring/Bracing [Washoe County Engineering -Kirk Nichols]

- McCarran Ranch Bridge over the Truckee River - Structural Evaluation/ Recommended Repairs - [Reno Iron Works]
- Juniper Hill Bridge at Last Chance Ditch (HS20), Condition, Analysis, Status, and Report [Washoe County Engineering/ Kirk Nichols]
- Moana Lane Bridge at Lake Ditch (HS20), Reconstruct New R/C Bridge, Condition, Analysis, Status, and Report [Washoe County Engineering/ Kirk Nichols]
- Belmont Bridge at Natural Drainage (HS20), Condition, Analysis, Status, and shoring/reinforcement recommendations [Washoe County Engineering - Kirk Nichols]
- Buffalo Slough Bridge at County Road #7 (HS20), Condition, Analysis, Status, and Report [Washoe County Engineering/ Kirk Nichols]

COMMERCIAL PROJECTS

- Frehner Hot Mix Asphalt Plant (Mustang) [Frehner Construction]
- C.B. Concrete Batch Plant, complete analysis and design to existing aggregate bin [C.B. Concrete Company/Steve Benna]
- Jones-West Mitsubishi Showroom [Studio One Architecture & Planning]
- Pinewood Terrace Apartments [Jack Miller & Associates, Las Vegas]
- YMCA Additions [Vhay & Ferrari Architects]
- Sierra Pacific Power Company Operations Center Addition [Vhay & Ferrari Architects]
- Fitzgerald's Hotel-Casino Feasibility Study to add two stories [Fitzgerald's (Prime)]
- MGM Grand Hotel Exhibition Center [Martin Stern & Associates]
- Horseshoe Casino Hotel [Nielsen & Company, Owner-Developer]
- Cactus Pete's Casino [Nielsen & Company, Owner-Developer]
- Crossroads Shopping Center [McKenzie Construction]
- Reno Toyota [McKenzie Construction]
- Lakeside Crossing Retail & Professional Offices Condos [Q & D Construction/Sheehan Haase & Van Woert]

- Cantina Los Tres Hombres Restaurant [Studio One Architecture & Planning]
- Donrey 727/100c Aircraft Hangar Slabs and Foundations Las Vegas, Nevada [Childers/Anderson (Fort Smith, Arkansas)]
- Harrah's Virginia Street Sign [Harrah's]
- McDonald's Addition to Harrah's [Martin Stern Associates and Harrah's]
- Bill's Casino Additions [Marnell Corrao Associates]
- Ricciardi Veterinarian Clinic [Grove Development, Inc.]
- Creekside Apartments, Phase I Investigation [Giacomazzi Hermann Assoc. and First Reno Limited Partnership]
- Hillcrest Shopping Center Modifications [C.J. Colligan]
- Carson Valley Lodge [Worth Group Architects]
- IGT Tenant Improvements [McKenzie Construction]
- Burger King Restaurant [C & S Contractors]
- Various Bridge Crane Runways [Crane Services Corporation]
- Crestgate/Glenda Way Apartments [Zephyr Architects]
- Moderna Shopping Center, Las Vegas [MACH Construction]
- Peppermill Hotel/Casino East Expansion \$60 Million/Recently completed [Peter B. Wilday/Architect]

MAJOR PROJECTS STRUCTURAL PLAN CHECKS
[INDEPENDENT REVIEW CONSULTANT]

Typically, the plan check assignments marked with an asterisk (*) involved a complete 100% set of KNE independent calculations.

- *National Bowling Stadium - Reno, Nevada \$55+ Million
Part of the Selection Team of the Design-Build Contractor; Value Engineering/Cost Savings for Peter B. Wilday; Complete third-party Structural Engineering Calculations for the Building for the City of Reno and the Reno/Sparks Convention and Visitors Authority, from the foundations to the spheroid.
- Nevada National Bank Office 12-Story Tower [City of Reno]

- Home Shopping Network [City of Reno]
- *Eldorado Hotel-Casino Phase III Addition 28 Story Tower [First Interstate Bank & City of Reno] Post-Tensioned Concrete, Ductile Frame
- R.R. Donnelley Printing & Manufacturing (800,000 square feet) [City of Reno]
- *Peppermill Hotel-Casino Addition 15 Story Tower Post-Tensioned Concrete, Ductile Frame [Marnell Corrao Associates & City of Reno]
- Peppermill Hotel-Casino Addition - Wendover 12-Story Tower. [Joe Pastore, Peppermill - City of Wendover, Nevada]
- John Ascuaga's Nugget Convention Center Expansion [Pete Wilday Architects and the City of Sparks]
- *Sands Regent Hotel-Casino 15-Story Tower Addition (Total Redesign of Structure by KNE) Post Tensioned Concrete, Ductile Frame [Sands Regent Hotel-Casino and The City of Reno]
- The following school plan checks for the [Nevada State Public Works Board]
 - Washoe County Middle School
 - Nye County School Additions
 - Amargosa Elementary School Addition
 - Round Mountain Junior High School Expansion
 - Round Mountain Junior High School Gymnasium
 - Pahrump Intermediate School Expansion
 - Pahrump Valley Middle School Expansion
- Structural Review Consultant to Ridge Tahoe Development Company (Jim Madsen) on the following projects:
 - *The Ridge Tahoe Twin 8-Story Tower Condominiums
 - *The Ridge Tahoe Building 15 (150 PSF Snow Load)
 - *The Ridge Tahoe Building 16 (150 PSF Snow Load)
- Nevada Wildlife Building [Nevada State Public Works Board]
- Mountain View Elementary School Plan Check [Nevada State Public Works Board]
- *Quality Inn 13-Story Tower Addition [City of Reno & Farahi Investments]
- Clarion Hotel Casino 20-Story Tower Addition [City of Reno & Farahi Investments]
- *Clarion Hotel Casino Dryvit Cladding Panels, Space Frame at Elevator Atrium, Low Rise South Extension [City of Reno & Ben Farahi]
- IGT Complex Structural Review [McKenzie Construction]

- Northern Nevada Community College Technical Arts Center [Nevada State Public Works Board]
- *Reno Parking Structure "The Parking Gallery" (7 Stories) [City of Reno]
- White Pine Vocational Center Building - N.S.P.W.B.
- *City of Sparks Parking Structure (Designed for 5-stories [City of Sparks])

FORENSIC STUDIES - EXPERT WITNESS

- Wes Hall vs. Grant Robinson Construction Company [Marvin W. Murphy]
- Aircraft Traffic Control Tower, Beale Air Force Base [Lewis & Roca, LLP]
- Clear Creek Gymnasium Collapse Study [Cunningham Construction and the Nevada State Public Works Board]
- Empire School Roof Truss Collapse Study [Grove, Inc.]
- Hawkview Apartments [Reno Housing Authority/HUD]
- LaMaestra Residence Investigation [Laxalt & Nomurra]
- Home Shopping Network Slab Cracking [Perry & Spann]
- Taco Time / University Village Investigation [Jim Lundemo]
- Garrettson vs. Harford [David Allen & Associates]
- Cromer vs. Mt. Rose Service [David Allen & Associates]
- Thompson Residence-Faulty Construction-Red Rock, NV
- Canady Residence-

CHURCHES / TEMPLES

- Spring Valley Baptist Church, Las Vegas [Roy Hibdon, P.E.]
- St. Thomas More Church, Las Vegas [Marnell Corrao]
- Temple Sinai Additions [Barada-Feutsch Architects]

SEISMIC RETROFIT/REHABILITATION/RESTORATION

- Nevada State Capitol Building Rehabilitation
- Reno Little Theater - Seismic Retrofit
- Sierra Vista Elementary School Rehabilitation
- IGT Silkscreen Building - Seismic Roof Anchorage Retrofit
- Mount Rose Elementary School Rehabilitation (Staff Engineer Only)
- Oats Park Elementary School Rehabilitation - Fallon, Nevada
[John VonSzeliski & Associates]

RESIDENTIAL STRUCTURES

- Tarafdar Residence-Cable Stayed, Suspended New Residential Structure-Newcastle, CA.
- Vicks' Residence-CAD Drafting Hand Drawings, Complete Structural Design, Calculations, Drawings and Details. [David Bjorkman]
- Hamilton Residence- Complete Structural Design & Drawings [Don Mackey Architects]
- Coulter Residence- Complete Structural Design & Drawings, On-site Construction Management- [Curtis Coulter]

MULTI-STORY POST-TENSIONED CONCRETE STRUCTURES

- UNR Library Addition [Vhay - Ferrari Architects]
- Security National Bank, Main Office - Carson City [Vhay - Ferrari Architects]
- Liberty-Hatch Office Building [McKenzie Construction]
- UNR Business Administration Tower [Vhay - Ferrari Architects]
- Saint Mary's Hospital Parking Structure [McKenzie Const.]
- ElDorado Hotel/Casino Tower [F.I.B. - City of Reno] [Structural Review Consultant]
- Peppermill Hotel/Casino Tower [Marnell-Corrao Architects]
[Structural Review Consultant]
- John Ascuaga's Nugget Hotel/Casino Tower One [City of Sparks]
[Structural Independent Review Consultant]

- Atlantis - Skybridge Structure and 28-story Tower
- Clarion Hotel/Casino 20 Story Tower [City of Reno & Farahi Investments]
[Structural Independent Review Consultant]
- Quality Inn 13-Story Addition [City of Reno & Farahi Investments]
- Ridge Tahoe Condominiums I, II, and Bldg. 15 [Ridge Tahoe Development]
[Structural Review Consultant]
- City of Reno Parking Structure [City of Reno]
[Structural Review Consultant]
- Sands Regent Hotel-Casino 15-Story Tower Addition (Total redesign of
structure) Post-Tensioned Concrete, Ductile Frame
[Sands Regent Hotel-Casino and the City of Reno]
- John Ascuaga's Nugget Hotel 29-Story Tower Two - \$75 Million Complete
design, Principal Engineer, and Structural Engineer-of-Record
[Peter B. Wilday, John Ascuaga]
- John Ascuaga's Nugget West-End Remodel, 11th Street Casino Expansion,
Courtyard Motel Underpinning, Oyster Bar Demolition, Dumpster Building
Underpinning, Boiler Room Area Demolition, 1957 Building Remodel.
- John Ascuaga's Nugget - Victorian Avenue Casino 150,000 sf Expansion, 150'
[John Ascuaga, Peter B. Wilday]
- National Bowling Stadium - I-Max Dome Theater, Dome Structure
[Peter B. Wilday, City of Reno]