

CURRICULUM VITAE

LYLE E. COE **CONSTRUCTION MANAGEMENT ADVISOR** ***Forensic Consultation and Expert Witness Services***

Lyle Coe has Project and Construction Management experience from concept to completion on small residential projects to multi-million dollar facilities. Mr. Coe has worked on three construction projects of over 1,000,000 square feet each. Mr. Coe is experienced in contract reviews and claims analyst, construction cost estimating, change order negotiations, expert witness testimony and destructive testing, as well as standard of care for General Contractors, Construction Managers and Specialty Building Inspection Services. Mr. Coe has performed in contract mediation for dispute resolution on several jobs involving issues in excess of \$10 million and participated in over \$2 billion dollars in total construction value since 1973.

Mr. Coe's experience includes government and private sector work on both interior and exterior design issues, roofing, flashing, framing, M/E/P issues and general construction, as he has hired and supervised design teams on more than six occasions for more than \$3 million dollars in design services. Mr. Coe has consulted with and for construction management advisory (CMA) services in planning, scheduling, cost estimating, negotiations, litigation, and contracting methods for M/E/P sub-contractors, architectural and engineering firms, University of California at LLNL, and international corporations such as AT&T, Pacific Bell, and IBM.

Since entering into business in 1984 after working as a Business Manager for the IBEW national labor union, Mr. Coe has prepared numerous reports, video scripts, and engineering manuals for national companies. Mr. Coe has lead investigations into system failures and start up design problems involving Energy Management Systems, Flash Freezers, Chilled water systems, Electrical Power Systems, Automated Conveyor Systems, Fire Investigations and the like. He has been disclosed as the designated expert on over 25 cases and consulted on over 150 additional cases for advice and to conduct field investigations and document evidence and material findings. He has performed extensive research in conjunction with pending lawsuits, construction claims, and bond actions and has given sworn testimony as an expert witness more than ten times in the last four years.

In conjunction with his construction and business backgrounds, Mr. Coe has used a variety of engineering and management computer software programs including AutoCAD, Cost estimating programs, spreadsheets, scheduling programs, databases and word processing programs. Due to his broad background, Mr. Coe is able to communicate technical information in terms that can be understood by a diverse audience.

AFFILIATIONS

- IAEI International Association of Electrical Inspectors, Member
- ASCE American Society of Civil Engineers, Member
- 2007-2008 National President FEWA, Forensic Expert Witness Association
- 2006-2008 Sac/Sierra Chapter President FEWA, Forensic Expert Witness Association
- 2010 Westcon Construction Association, Executive Board member
- IBEW, International Brotherhood of Electrical Workers, Member
- American Society of Civil Engineers, Member

LICENSES and CERTIFICATIONS

- State of California, Licensed B-1 General Contractor # 471343, active
- State of California, Licensed C-10 Electrical Contractor # 471343, active
- State of California, Licensed General Electrician #102745
- State of California, Licensed Fire/Life Systems Technician # 103177

EDUCATION and TRAINING

- A.A., Electrical Technology - 1971-1973 SJDC, Stockton, CA
- Certified, Journeyman Inside Wireman (4 year State Program) 1973-1977
- California Electrical State Apprenticeship, Stockton, CA
- Certified AT&T Fiber Optic Splicer, 1982, Commerce, Ca
- Occupational Health and Science, Certificate - 1984 University of California at Berkeley, Berkeley, CA
- Certified Pump Specifier / Supplier - 1995 Gould Pump Factory, New York
- IBEW Electrical Solar Design Course, Certificate -1997
- IBEW Seismic Bracing Design Course, Certificate – 1998
- LLNL Certificate in Erosion Control and BMP - 2001
- 40 hour OSHA Training and Certification
- 1994 – 2010 Numerous trade shows and seminars, association-meeting presentations and other classes on Construction Code updates, Construction Defects, Manufacturer factory certified training, Expert Witness Work and National Trade Conventions
- Participation in Sheet-metal flashing, Window Flashing and Stucco seminars with Westcon.

DETAILED PROFESSIONAL EXPERIENCE

Consultant / Contractor/ Owner – Sole proprietorship (2003 – present) Coe & Company Construction Services, Lodi, CA

Owner of *Coe & Company Construction Services* providing Construction Management Advisory services, Forensic Consultation and Expert Witness services in the central California area. Projects have included evaluation of residential and commercial defects and failures, Contractor Standard of Care, Contract compliance with plans and specification evaluations, code compliance evaluation, observation and documentation of destructive testing, preparation of reports for insurance companies and owners, research and evaluation of litigant documentation, preparation of cost estimates and cost allocation for negotiation purposes on both defense and plaintiff cases. Currently Mr. Coe is licensed, bonded as a General /Electrical contractor in the State of California and has been certified by the State of California for both General Electrician and Fire/Life Safety Technician certifications.

Specific tasks and projects have included:

- CMA and Expert Defense Witness for Port of Oakland in Construction Claim on Port Expansion Project \$90MM Project

- CMA and Expert Plaintiff Witness for IBEW claim at CalPERS Headquarters in Sacramento Ca. \$400MM Project
- CMA and Expert Plaintiff Witness for Mr. and Mrs. Wander in Orinda CA., single family dwelling \$118K addition
- CMA and Expert Plaintiff Witness for Mr. and Mrs. Parker in Tracy CA., Single family dwelling \$800K
- CMA and Expert Plaintiff Witness for Mr. and Mrs. Thomson in Folsom CA., Single family dwelling \$600K
- CMA Support for Lee Saylor Consulting Services on San Francisco Airport Waste Treatment Plant initial budget estimate and San Francisco Marriott Hotel Change Order Reviews
- CMA Support for M Lee and Associates on 3- BART Projects, 2- TVA projects, Tom Bradley International Airport Expansion, San Francisco Jail #3, Concord Animal Housing project, Mendocino College, 3- SF light rail (sections B, F, H), Port of Oakland expansion. and S.F. City Housing Authority Projects \$600 MM in total project Construction Values.
- CMA Support and Expert Defense Witness for Lombard Consulting Services Inc on several projects including schools, Hospitals, SF High-rise housing (over six stories), San Jose low-rise housing (five stories and under), Single family housing (3000+ homes) \$300 MM in project values Provide forensic consulting services on Lightning strike damages and electrical fire causes.
- CMA and Expert Witness Service on Misc Single Family house plaintiff cases
- involving waterproofing, roofing, framing, electrical, plumbing, and concrete issues.
- Expert witness on Construction defects of single family homes involving all trades and material types for new construction, additions and insurance repairs.
- Designated expert witness for Stucco and Roofing subcontractor in Construction Defect litigation.
- Designated expert witness and consultant in numerous electrical subcontractor litigations.
- Consultant for construction delay claims in Energy Management installation for Johnson Controls.
- Member of Board of Directors for Western Buildings Consultant organization and participant in education symposiums on Stucco, Sheet-metal Flashing and Window Flashings.

LaCroix Davis LLC - (March 2010 to present)

Senior Associate, Forensic Expert Witness

Folsom, CA

Provided cost consulting and expert witness services to various commercial, institutional and residential construction projects throughout California and Nevada. Provide both Plaintiff and Defense expert witness representation for Developers, Manufacturers, Contractors, Sub-Contractors, and various Insurance carriers in preparation of latent construction defect claims and lawsuits. Provide opinions and judgments on destructive testing and witness services, for all parties, on projects in the \$10's of millions of dollars. Projects include

- Electrical installation wiring in Nevada Condominiums.
- Electrical installation of wiring in single family homes in Nevada.
- Electrical control and power systems in School facilities in California at multiple districts.
- Electrical installation of wiring systems in mobile home parks in California.
- Roof installation materials and methods on single family homes in California
- Consultation on liability exposure on mold and water intrusion coverage issues.
- Consultation on liability exposure on structural defects and repair requirements.
- Consultation on stucco and EIFS exterior damages and cost of repair.

Lombard Consulting Services - (January 2001 to 2010)
Construction Management Advisor, Claims and Construction Litigation Assistance,
Lafayette, CA

Provided CMA services on construction claims and cost consulting and expert witness services to various Commercial, Institutional and residential construction projects throughout California. Services provided to Developers, Manufacturers, Contractors, Sub-Contractors, and various insurance companies in the defense and preparation of latent construction defect claims and lawsuits. Provide opinions and judgments on destructive testing and witness services, for all parties, on projects in the \$10's of millions of dollars. Projects included Hospitals, Schools, High-rise condominiums, and Single-family housing. Consult on Code issues and Specialty needs.

- Investigation of cause of several masonry and foundation systems failures
- Drainage litigation requiring review of drainage and soil reports by others
- Concrete settlement and moisture problems involving underground plumbing, drainage systems and waterproofing membrane failures and installations.
- Supervision of dredging operations and restoration of commercial marina
- Determination of design flaws, which may have caused water intrusion and mold damage for plumbing, roof, siding, window and kitchen appliance and shower leaks.
- Cause of re-occurring structural deformation and potential structural failure in large commercial structures
- Investigation of cause of wood frame structural fires involving electrical systems and lightning.
- Determination of cause of foundation failures and slab deformation
- Observation of as built grading conditions on large developments to determine adequacy of drainage and grading issues.
- Observation of asphalt pavement deterioration on multi-family residential projects and determination of causes
- Evaluation of wind damaged structures and roofs
- Research and exhibit preparation for litigation
- Expert witness in General Contractor standard of Care and Construction Costing

**Senior Construction Planner/Estimator at LLNL (November 2000 to 2005)
Johnson Controls Master Vendor Subcontract**

Special projects estimator/planner for Construction Estimator/Planner Group within Plant Engineering. Serving as special estimator to Super Block for Research Laboratory projects and reconstruction for M/E/P issues. Additionally assigned to random audits of Labor Only estimated projects and assisting group leader in business plan and operations. Review P.O. Projects and design/build projects prior to bid and construction. Assigned to review all outside Title I and II project budget estimates up to and over \$120MM. Provided scope estimates for site wide seismic upgrades on several buildings. Special assignment on TSF project to develop scope estimates and negotiate change orders on \$66 MM construction project. Representative in charge of Customer Surveys for Planning and Estimating department.

- Assisted with design and support of mechanical, sheet-metal, DDC controls, seismic bracing schemes, plumbing systems, electrical emergency power backup systems and issues.
- Terrascale Simulation Simulator Facility \$66 MM in Construction Value. Responsibility included CM Advisor/ change order management/ Building inspection, Coordinated and supported specialty inspection of soils, underground utility installations, water supply piping, Sewage piping, concrete, reinforcing and steel inspection services.
- Planning and Estimating Department Senior Planner for New Construction of 10 new 20,000 SF buildings. Provided planning budget estimates, Design-build contractor selection participation,
- SCIF Building Construction Manager Advisor/ Building Inspection and Change Order Support \$30 MM in Construction Value Seismic Retrofits for 20 buildings at LLNL Construction Management Advisor/Planner \$100 MM in Construction Value
- Various TI Improvement and mechanical upgrades on several facilities.
- Construction Inspection support for all 16 CSI divisions.

**Construction Cost Consultant/ Negotiator, San Francisco International Terminal and Port Of Oakland Expansion (January 1999 to 2001 and working as On-Call basis).
M. Lee /Saylor, San Francisco, CA**

Representing M. Lee/ Lee Saylor Joint Venture at SFO with SFOA Joint Venture Partners as Deputy Chief Estimator for on-site construction management team, estimating and negotiating over a thousand change orders in excess of \$100 MM on a \$2 Billion project. Representing Parsons CMT as Senior Projects Controls Specialist and Cost Consultant at Phase 1A expansion of the Port of Oakland \$50MM. Negotiated over 56 changes with a savings of over \$1.8MM.

- CM Advisor on 5th floor Police Station, Airport Museum, Terminal H, Parking Structures, and International Terminal. \$700 MM in Construction Value
- Lead negotiator for change orders for SFOA Associates on change orders for Mechanical, Electrical, Plumbing, Drywall, and various other smaller subcontractors.
- Reviewed and negotiated over 500 Change orders with a value of over \$100 MM in Construction Value

- Worked as CM Advisor to review Submittals and met with Architects on means and methods for several RFI responses and change orders.
- Provided construction inspection support to architectural team members of SFOA.

**Electrical Project Engineer/ QA/QC Manager, National Ignition Facility
(June 1997 to January 1999)
Collins Electric, Livermore CA**

Designed Seismic Conduit and Equipment Support matrix systems for \$10MM electrical sub-contract on the \$1 billion National Ignition Facility Project laser and capacitor bays. Managed outside structural and electrical engineer support. Coordinated conduit routing underground and overhead pipe racks with mechanical utilities prior to construction. Qualified Company to self perform QA/QC on high voltage cable installations. Inspected all material deliveries for compliance with contract documents prior to unloading.

- QA/QC Manager and Electrical Engineer for project manager.
- Attended subcontractor coordination meetings on behalf of Collins Electric.
- Issued field design sketches to field crews and created field sketches for RFI issues.
- Responsible for review of construction drawings and specification and issuing RFI's for owner and general contractor response and clarification.
- Supervised design team of four for seismic support types and locations of trapeze and transformer supports throughout the project.
- Supervised High Voltage Cable installation crew
- Supervised 3-man team to inspect all electrical equipment before it was unloaded from trucks.
- Supervised foreman and concrete inserts and layout of cast in place supports and block-outs

**Electrical General Foreman
(June 1996 to June 1997)
Sasco Electric , Sunnyvale, CA**

General Foreman in charge of means and methods for electrical, fire alarm and data wiring systems and construction of two large industrial complexes. Hired and managed over 50 electricians and supervised multiple Foremen and crews.

- Responsible for material and tool ordering , staffing, crew sizes and types, payroll records, Change orders,
- Responsible for documentation of Requests for Information and maintaining as built record drawings.
- In charge of personal protection safety equipment inventory, weekly safety meeting and daily safety practices.
- Responsible for Electrical Code Interpretations and coordinating inspections with City Inspectors.
- Participated in and coordinated routes and work spaces between multiple trades and crafts in ceilings, walls and underground installations.

- Coordinated finished surfaces and manufacturer installation instructions.
- Responsible for protection of finished work and security of materials and tools on site.

Operations Manager - (1994 to 1996)

Preszler Electric and Pump Service, Lodi CA

Managed day-to-day operations and scheduling of Construction Company, which provided Pump Sales and services, Pump repair, new electrical, sewage and water service installations, . In charge of weekly safety meeting and daily safety practices. Responsible for Electrical Code Interpretations and coordinating inspections with City Inspectors. Parts sales in the central valley. Supervised four man crew and heavy equipment for \$2 MM a year sales company. Provided estimating and design M/E/P services to companies and farmers in the area for electrical service work and new pump installations. Responsible for 24 hour on call service operations and client relations.

- Attended Gould factory certification school in New York for pump design.
- Provided specifications on pump types and performance.
- Ordered and kept inventory of plumbing and electrical materials.
- Responsible for locating materials at best available wholesale pricing.
- Responsible for all invoicing of projects completed.
- Responsible for all estimates provided to clients and management.
- Responsible for assignment of employees and production time issues.
- Responsible for scheduling heavy equipment maintenance.
- Responsible for acquiring permits and working with Health Dept when required for drinking water standards.
- Worked on Submersible, Centrifugal, Sewage Lift and Turbine Pumps from ½ to 300 Horsepower.
- Maintained privately owned water and sewage system plants for customers.
- Designated safety manager and in charge of personal protection safety gear and compliance with OSHA standards.

Owner, CEO - (January 1990 to January 1994)

C2P Inc, dba Benchmark Cost Consulting & Management Services, Pleasanton CA

Project Management Company created from American Light and Power Specialists, which provided workforce personnel to AT&T and Pacific Bell for Construction Management, Engineering, Real Estate, Right of Way, Central Office layout and design, and administration Bill payment services to contractors and designers in over 23 states.

- Provided construction management services and cost consulting to various AT&T business units including Federal Systems Group, Network Control Group, Central Service Organization, and Building Engineering. “Special Projects” manager for building engineering division in Western Territory
- Involved in writing RFP and RFQ from Architectural and engineering firms as well as

design build contracts.

- Supervised over \$120 MM worth of work from Atlanta to San Francisco.
- Special Projects team leader responsible for interviewing Architectural and Engineering firms for blanket contracts with AT&T, then selecting design build teams.
- Implemented RFP and design contracts for several projects from Washington D.C. to San Diego and Seattle.
- Supervising Construction Projects Bids in 23 different states as construction manager for AT&T Federal Systems Division.
- Prepared engineering manual and instructional video for AT&T Project Managers.
- Provided Fast track Construction Management on Network Control Center in Denver Colorado on \$20 Million renovation of warehouse into network control center.

CEO, Manager/ Building Consultant- (January 1986 to January 1988)
Residential Consulting Services Inc. dba HomeGuide Inspection Services, Stockton, CA

Provided management of home inspection company services; including training employees, supervising marketing and office and field personnel for company with 10 employees. Inspection services included over 1200 homes, commercial facilities, and expert witness services. Started Inspection Industry Association in Central Valley of other home inspection companies and termite inspection companies.

- Developed Business Plan and researched industry before solicitation of investors.
- Bought out existing home inspection business and merged companies.
- Trained ten building inspectors.
- Worked with city and county inspection departments on inspection issues with new subdivisions and existing structures.
- Supervised purchase and installation of computerized billing and report writing system.
- Provided forensic evaluation services on foundation, electrical, underground drainage and plumbing systems.
- Inspected mold shower and plumbing leaks for cause and extent of damage.
- Services included identifying mold, gas piping and appliance leaks and asbestos products for hazardous conditions.

Owner/ Contractor - (January 1985 to January 1990)
American Light and Power Specialists, Stockton/Lodi, CA

Licensed in 1985 under the name American Light and Power Specialists for electrical contracting. Performed construction work on multiple wineries, food processing plants, single family homes, commercial offices and strip malls. Transferred focus on “Personal Service Contracts” to building owners. Specialized in change order negotiations and inspection services for electrical industrial high voltage, DDC controls, Fire and Life Safety, Security system work at several locations. Added General Contractor’s license and added inspection of roofs, roads, structural framing, and all M/E/P systems. Developed company into Construction Management Advisor (CMA) services and electrical expertise to various companies and projects. Customers included LLNL, AT&T and Prudential Ins. and to general and specialty contractors. Projects and issues involved specialty electrical systems and controls, data and communication systems, high

voltage systems and general electrical and mechanical systems. Provided Inspectors, cost consultants, specialty testing, startup assistance, negotiation services, and design review. Split off business clients to Benchmark Cost Consulting as corporation dba C2P Inc.

- Over 31 projects at LLNL involving Construction Management Advisory Services and Building Inspection support.
- Testimony in two arbitrations involving construction delays and bond actions for nonperformance.
- Engineering support in mediation of Construction delay claim.
- Construction Management Advisor / CM at AT&T Western Regional Center (1.1 Million Square Foot Facility) in Pleasanton Ca for Rosewood Associates, A joint venture of Prudential Ins, and AT&T responsible for Submittal review, RFI responses, Architect and engineer coordination with owner for final design issues and project closeout. Attended daily meeting with subcontractor foremen and Construction management staff.
- IBM Almaden (1.2 Million Square Foot Facility) A.E. rep for MBT Architects with responsibilities in change order review and negotiations, Submittal review, RFI responses, building inspection on daily basis, Punch list development and signoff.
- Attended daily meeting with subcontractor supervisors and Construction management staff. Supervised Electrical Engineer in house on occasion for plan review and bulletin development.
- General and Electrical Contractor projects including small commercial and residential work in the Central Valley.
- Responsible for site safety and compliance with OSHA standards.

**Business Manager/ Financial Secretary, - (June 1981 to January 1984)
International Brotherhood of Electrical Workers Local 591,
Stockton, CA**

Appointed as the youngest Labor Business Manager in the Nation for a IBEW labor union in 1981 and worked as the only employee of that labor Union in charge of managing day to day activities of the labor union.

- Supervised and maintained out of work dispatch hall for two counties for electricians.
- Coordinated with other local labor unions and building and trades officials.
- Made presentations to city councils and county board of supervisors on behalf of organized labor.
- Supervised, managed, and negotiated several labor contracts for manufacturing, construction, and maintenance workers totaling 600+ workers.
- Responsible for financial spending and administration of local union funds totaling in excess of \$2 MM annually.
- Handled grievances, arbitration's, civil Lawsuits, Labor relations board hearings, Pension and Health and Welfare Trust issues and coordinated with statewide IBEW issues and jurisdictions.
- Dealt with business owners and employees on a daily basis to resolve minor conflicts and business management decisions.

General Foreman/Electrician, - (June 1973 to June 1981)
Various Contractors,
Central CA and Bay Area

Supervised several projects as General Foreman and Foreman and as lead journeyman for (23) different contractors. Projects included hospitals, schools, manufacturing plants, electronic circuit board plants, high voltage substation construction, food processing and canning plants, General Mills packaging plant and many wineries and bottling plants. Work included new residential construction and fire reconstruction of schools and commercial buildings.

Served on State certified Apprenticeship Board, Apprentice Representative and Labor Representative. Served as both Secretary and President one term at IBEW Local 591 in Stockton California, which was a 600 man local labor union. Served on the Building and Trades Labor Board for 4 years and Central Labor Council for 4 years.

- Foreman on Trouble shooting controls on high-speed newspaper printing presses, automated can and bottling lines, Beef butchering and chicken packaging facilities, winery bottling lines, coffee packaging lines, bakery conveyor systems, metal fabricating machinery and hospital x-ray equipment.
- Foreman on Installations on new school construction including gymnasiums, portables, science buildings and libraries.
- Foreman on High voltage distribution systems on school campuses and industrial plants, both underground and overhead.
- Foreman on New construction on large office complexes, malls, medical buildings, and warehousing.
- Foreman on foundry expansion project to double its production with new assembly and foundry line.
- Installation of Fire Safety, lighting protection, security camera and card lock, phone, paging and data systems.