

RICHARD MUMPER & ASSOCIATES
ENGINEERING CONSULTANTS

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Curriculum Vitae

of

RICHARD T. MUMPER, P.E.

Education:

Bachelor of Science (Mechanical) Engineering
Temple University, College of Engineering, Philadelphia, PA
Graduated Cum Laude

Masters of Business Administration
General and Strategic Management
Temple University, School of Business, Philadelphia, PA
Graduated Beta Gamma Sigma

Masters of Divinity
The Master's Seminary, Sun Valley, California
Dryer Fire Symposium, Fire Findings Labs
Investigation of Gas & Appliance Fires, Fire Findings Labs, WMU
Press Brake & Shear Course, The Fabricators & Manufacturers
Association, International
Process Mapping Training Seminar, Drexel University
Fundamentals of Turbo-machinery, CONMEC, Inc.
Start-up and Troubleshooting of Mechanical Equipment and Systems
Training Course, Bechtel Corp.
Mechanical Equip. Installation and Alignment Training Bechtel Corp.
OSHA Asbestos Awareness Training, Haztrainer Multinational, Inc.

**Professional
Affiliations:**

Professional Engineering Licenses: CA, HI, NV
Member – American Society of Mechanical Engineers
Certified – National Council of Examiners for Engineers and Surveyors

Professional

Experience: **Larry Rohrer Investigations, Inc.**, Valencia, California

Origin & Cause Investigations

President/CEO

- The company is a leading fire investigation firm which has conducted fire and explosion origin and cause investigative services for over 25 years.
- Performed peer review of all reports sent out by the company since 2005, representing several thousand fire and explosion cases
- Provide engineering expertise to fire investigators on a regular basis

Richard Mumper & Associates, Valencia, California

Engineering Consultant/Owner

- Mechanical equipment including gas and plumbing systems evaluation
- Product failure analysis
- Construction accident investigation, including heavy equipment accidents and worker injury related accidents
- General industry accidents, including power presses, printing presses, die cutting, shears, power cutting equipment, metal forming and converting equipment, hand tools, material handling equipment
- Accident reconstruction and causation analysis
- Property loss and personal injury causation analysis
- Project analysis, coordination and closing evaluation assistance
- Fire cases involving appliances and other mechanical equipment
- Water loss incidents

Affiliated Engineering Laboratories Inc., Edison, New Jersey

Engineering Consultant

- Mechanical equipment and systems evaluation
- Product failure analysis
- Construction and general industry accident investigation
- Accident reconstruction and causation analysis
- Property loss and personal injury causation analysis

Conmec, Inc., Bethlehem, Pennsylvania

Senior Project Manager

- Total commercial and technical responsibility for all phases of engineering and manufacturing of multi-million dollar turbo-machinery projects for the gas pipeline, petrochemical and steel industries.
- Wrote specifications to purchase motors, gears, valves, couplings and bearings, as well as approve all project material requisitions.
- Wrote operation, safety and maintenance procedures and manuals.
- Streamlined the company material requisition/purchase order system.
- Design activities included coupling guard design, baseplate design and expander and axial flow compressor design and coupling tooling design.
- Designed and purchased systems to properly transport and preserve large mechanical equipment.

- Managed the bladed project management group which included the design and manufacture of steam turbines, axial flow compressors, hot gas expanders, gas turbines and the associated support systems.
- Managed the company's largest and most complex project for its largest customer with the company's first entry in the industry as an original equipment manufacturer.
- Created company's first operations flow charts of present and future operations. Developed the company's first strategic operations plan.
- Evaluated company systems and procedures and processes to redesign and improve same. Implemented subsequent changes to enable company employees and overall work systems to be more effective and efficient.

Trammel Crow Company, Trevese, Pennsylvania

Project Manager/Site Superintendent

- Management responsibility for all phases of construction projects including generating schedules, punch lists and status reports.
- Implemented and generated design changes.
- Interfaced and coordinated construction and safety with all subcontractors.

Veco, Inc., Anchorage, Alaska

Coordination/Logistics Engineer

- Member of twelve man Exxon and VECO engineering task force responsible for coordinating clean-up of the Exxon-Valdez Oil spill.
- Provided logistics and systems engineering in developing systems required to organize and achieve Exxon's clean-up goals.
- Provided mechanical engineering in constructing the various specialized mechanical systems intended to remove crude oil from the rocky shores of Prince William Sound.

Bechtel Corporation, Gaithersburg, Maryland

Mechanical Engineer/Systems Engineer

- Responsible for providing engineering support and field direction in facilitating installation, field re-design, start-up and troubleshooting of systems using various types of mechanical equipment.
- Wrote specifications to purchase motors, gears, couplings and resolve manufacturing difficulties of same.
- Wrote field operation, safety and maintenance procedures and manuals.

Blue Chip Builders, Inc., Hatboro, Pennsylvania

Owner. General commercial and residential building and construction.

Mumper & Sons Contracting, Inc., Hatboro, Pennsylvania

Working foreman on various commercial, industrial and residential construction crews. Work encompassed all facets of construction, including the supervision and operation of numerous pieces of heavy duty construction excavation equipment.