

Robson Forensic

Engineers, Architects, Scientists & Fire Investigators

RICHARD J. MOSS, PE **Electrical Engineer**

Electrical engineer of record, designing and documenting lighting and power distribution systems and authoring contract documents for more than 1400 lighting and power distribution projects in eight western states. In addition to these engineering and design services, provided contract-document peer review and plans checking, electrical building inspections, and expert witness services for construction contract disputes and patent infringement litigation

PROFESSIONAL EXPERIENCE

2013 to present **Robson Forensic, Inc.**
Associate

Provide technical investigations, analysis, reports, and testimony toward the resolution of commercial, municipal and personal injury litigation involving electrical construction contract issues, patent infringement analysis.

Expertise includes:

Electrical Power Distribution Systems: Panelboards, feeders, distribution panels, switchboards, transformers, low- and medium-voltage switchgear, unit substations, utility connections, overhead and underground power distribution systems, short-circuit evaluations, grounding, surge protection, utility studies, Electrical Code evaluation and interpretation.

Standby Power Systems: Generators, generator switchgear, power distribution units, UPS equipment, short circuit evaluations, grounding, switchgear, Electrical Code evaluation and interpretation.

Illumination Systems: Artificial illumination systems, lighting control systems, exit and egress lighting, sports facility lighting, exterior illumination, Electrical Code evaluation and interpretations

Types of Facilities and Buildings: Power and energy plants, stand-by genset lineups, municipal/industrial facilities, aviation, wastewater treatment, light industrial, educational, health care, offices, retail, multi-family residential, large/custom residential, food service, religious/institutional, communications, warehousing, vehicle maintenance, hotel and resort.

2005 to present **Richard J. Moss, PE**, Denver, CO
Consulting Electrical Engineer

Design and produce lighting, power distribution and signal systems construction and contract documents for commercial, institutional, telecommunications and residential projects in eight western states. Provide expert witness services for construction

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contract disputes and patent infringement litigation. Provide contract document checking and peer-review services for electrical engineering firms.

- 2002 to 2005 **Energie Lighting**, Wheat Ridge, Colorado
VP Business Development, National Sales Manager
Developed business opportunities for start-up lighting manufacturer. Authored the Sales Guide, Trained Manufacturer's representatives and end-users in illumination design and product application.
- 2000 to 2002 **MKK Consulting Engineers**, Denver, Colorado
Senior Electrical Engineer
Responsible for the engineering and production of lighting and electrical power systems designs and contract documents for municipal, light-industrial, and commercial projects in Colorado and New Mexico.
- 1980 to 2000 **Richard J. Moss, PE**, Santa Fe, NM
Consulting Electrical Engineer
Designed and produced lighting, power distribution and signal systems construction and contract documents for over 1000 commercial, institutional, industrial and residential projects in seven western states.
- 1977 to 1980 **Hellmuth, Obata & Kassabaum (HOK) Architects & Engineers**, St. Louis, MO
Staff Electrical Engineer
Designed lighting and electrical power distribution systems for a variety of commercial and institutional projects including the new World Headquarters for the Mobil Oil Company and the College of Lake County (IL) Library.
- 1975 to 1977 **The General Electric Co.**, Schenectady, NY
Power Plant Start Up Engineer
Provided start-up, troubleshooting and electrical engineering services for medium-size steam-turbine and diesel-engine electrical generating plants in Jamaica, the Dominican Republic and Costa Rica. Provided technical expertise and assembly supervision for the 500MW, 500kV solid-state rectifiers for the Square Butte HVDC transmission line from Center, ND to Duluth, MN.

PROFESSIONAL CREDENTIALS

Professional Engineer: Colorado, New Mexico, California, Arizona, Hawaii, Washington

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EDUCATION

B. S., Electrical Engineering, Tulane University, 1975

Continuing coursework:

Battery Applications and Calculations, 2011

Lighting Design and Occupancy Sensors, 2011

Advanced Transformer Connection Analysis, 2011

Surge Protection Strategies, 2011

Electrical Protection Grounding Analysis, 2011

2011 NEC Code Change Review, 2011

Arc Flash Hazard Analysis, 2011

Low Energy Building Design, 2011

Conflict Resolution: Principles of Evidence, 2011

Overcurrent Protection and Grounding Analysis, 2006

The Engineer in the Courts, 2005

Construction Contract Law, 2003

PROFESSIONAL MEMBERSHIPS

National Society of Professional Engineers

International Association of Arson Investigators

National Association of Fire Investigators

OTHER AFFILIATIONS

Board Member, Board Secretary, Board Treasurer, Board President, Construction

Supervisor – Highline Club Homeowners' Association, Denver, CO (2004-2013)

Board Member, Board Treasurer, Board President – Santa Fe Pro Musica, Santa Fe, NM (1986-2000)

Founder, Chairman of the Board – New Mexico Discount Office Supply, Inc., Santa Fe, NM (1986-1997)