

PM ENGINEERING, PLLC

VERTICAL TRANSPORTATION CONSULTANTS

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PATRICK J. McPARTLAND, P.E. *Vertical Transportation Consultant*

PROFESSIONAL EXPERIENCE

11/2002
to Present

PM Engineering, PLLC
President/Owner

Providing the elevator industry, building owners and managers, legal profession, and government agencies with professional consulting services on elevator and escalator technology, litigation support, national codes and standards and product safety related to the design, installation, inspection, maintenance, alteration, modernization, repair and construction of elevators, escalators, dumbwaiters, moving walks, conveyers, manlifts, cartalators, personnel hoists, material hoists, cement plant elevators and other forms of vertical transportation.

1999 to
11/2002

Robson Lapina, Inc.
Associate

Provided technical investigations, technical analysis, research, reports and testimony regarding elevators, escalators, construction elevators, moving walks and dumbwaiters.

1997 to
1999

Schindler Elevator (Westinghouse Elevator)
Elevator Project Manager/Modernization Manager

Performed and supervised others in the layout, design, ordering, modernization and installation of elevators, escalators, Vermaports, conveyors and all major elevator components for commercial and residential buildings. Reviewed and professionally sealed elevator and escalator projects in the New York and New Jersey area. Participated in the development of RS18 for the adoption of ASME A17.1 Elevator Safety Code as a member of NYC Building Department Elevator Code Committee. Code coordinator for the New York/New Jersey region. Responsible for resolving code compliance issues and code and ADA changes and updates.

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- 1996 to 1997 **Boca Group International**
Vice President of Field Operations
Performed elevator maintenance and safety evaluations as a licensed NYC private inspector. Performed elevator and escalator inspections nationwide as a QEI Certified Inspector. Supervised elevator and escalator inspectors, reviewing their work and developing reports. Developed elevator and escalator specifications for small and large commercial and residential projects. Provided consulting services to major property managers, owners and developers. Performed ADA and Firefighters Recall Compliance inspection for residential and commercial buildings.
- 1981 to 1996 **Flynn-Hill Elevator/Kone Elevator**
Modernization and Construction Supervisor/Adjuster
Supervised major elevator and escalator construction and modernization projects. Adjusted and designed field modifications for SCR drives and computerized control systems. Supervised the installation and performed final adjustment to elevator modernizations and new construction. Performed elevator acceptance and 5-year tests with NYC Department of Building Elevator Inspectors. Developed and taught classes to elevator union mechanics and adjusters in the proper procedures for the installation of elevator drives and computerized control systems. Installed, maintained, modernized and repaired elevators as a union elevator mechanic, apprentice, adjuster and supervisor in maintenance, modernization, repair and construction departments.
- 1985 **New York Elevator, New York, NY**
Elevator Mechanic
- 1979 to 1981 **Deco Elevator, Brooklyn, NY**
Elevator Apprentice

PROFESSIONAL CREDENTIALS AND LICENSES

- Licensed Professional Engineer: New York -1997, New Jersey - 1997
- Certified Elevator Inspector (ASME – QEI) – 1997 - Present
- New York City Elevator Inspection Agency Director’s License – 1996 - Present
- State of Massachusetts Elevator Mechanic’s License – 2005 - Present
- State of New Jersey Elevator Inspector’s License – 2009 - Present
- State of South Carolina Elevator Inspector’s License – 2014 - Present
- State of Pennsylvania Elevator Inspector’s License – 2015 - Present
- OSHA 10 Hour Construction Safety and Health Certificate 2014
- MSHA Part 46 Miner Training – 2014 - Present

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EDUCATION

- B.S. Electrical Engineering, Polytechnic University (Formerly Polytechnic Institute of New York) – 1995
- A.A.S. Electrical Technology, New York City Technical College – 1985
- Continuing Education for Professional Engineering license, QEI license, Massachusetts mechanics license, and New Jersey inspector’s license.

PROFESSIONAL MEMBERSHIPS

- American Society of Mechanical Engineers, ASME
- National Society of Professional Engineers, NSPE
- National Association of Vertical Transportation Professionals, NAVTP (2000-2010)
- International Brotherhood of Electrical Workers, IBEW, Local 3 EE Division (Elevator Contractors) (1981 –1993)
- ASME A17 Committee Member for Existing Elevators and Escalators Committee (2000-Present)
- ASME A17 Committee Member for Maintenance, Repair and Replacement Committee (2010-Present)
- NYC Code Committee Member for RS18 (1998 – 2002)
- NYC Industry Committee Alternate Member (1998 – 2003)
- NYC IBC Revision Committee; Chair of Elevator /Conveyer sub committee (2003 – Present)
- NYC Advisory Committee; Member (2004 to 2012)