

PM ENGINEERING, PLLC

VERTICAL TRANSPORTATION CONSULTANTS

10 Boulevard Avenue, Suite 101
Greenlawn, NY 11740

E-Mail: pm@pmengineering.com
Website: pmengineering.com

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 and other forms of vertical transportation.

1999 to
11/2002 **Robson Lapina, Inc.**
Associate

Provide technical investigations, technical analysis, research, reports and testimony regarding elevators, escalators, construction elevators, moving walks and dumbwaiters. Experienced in the repair, maintenance, modernization, construction, design and inspection of the foregoing. Familiar with the equipment of major manufacturers including: Otis, Montgomery, Schindler, Kone, Armor, Swift, Motion Control, O. Thompson, Dover, Staley and C.E.C. (Computerized Elevator Controls).

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 elevator motor control systems, door equipment, hoist motors and all major elevator components for commercial and residential buildings. Reviewed and professionally sealed elevator and escalator projects in the NYC area. Participated in the development of RS18 for the adoption of ASME A17.1a-1997 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.

- 1996 to 1997 **Boca Group International**
Vice President of Field Operations
Performed elevator maintenance and safety evaluations as a licensed NYC Local Law 10/81 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 many small and large commercial and residential projects. Provided consulting services to major property managers, owners and developers. Performed ADA and Fireman Service Compliance inspection for commercial buildings.
- 1981 to 1996 **Flynn-Hill Elevator**
Modernization and Construction Supervisor
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 door operators. Performed elevator acceptance and 5-year tests with NYC Department of Building Elevator Inspectors. Developed and taught classes to Elevator Installation union mechanics and adjusters in the proper procedures for the installation of elevator SCR drives and computerized control systems. Installed, maintained, modernized and repaired elevator controllers, motors, generators, cables, machines, door operator, entrances, rails, armatures, leveling systems, overlays, hydraulic controllers and pumps, door tracks, hangers and locks, buffers, governors, cabs and slings as a union elevator mechanic.
- 1985 **New York Elevator**
Elevator Mechanic
- 1979 to 1981 **Deco Elevator**
Elevator Apprentice

PROFESSIONAL CREDENTIALS

- Licensed Professional Engineer: New York, New Jersey
- Certified Elevator Inspector (ASME – QEI)
- New York City Elevator Inspection Agency Director’s License
- State of Massachusetts Elevator Mechanic’s License
- State of New Jersey Elevator Inspector’s License

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

PROFESSIONAL MEMBERSHIPS

- American Society of Mechanical Engineers, ASME
- National Society of Professional Engineers, NSPE
- National Association of Vertical Transportation Professionals, NAVTP
- International Brotherhood of Electrical Workers, IBEW, Local 3 EE Division (Elevator Contractors) (1981 –1993)
- ASME A17.1 Committee member for Existing Elevators and Escalators
- 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)
- New York City Advisory Committee; Member (2004 to present)