

DIANE C. RIGGI PE, GC, BI

The Pepper Engineering Group, Inc., 6135 NW 167 St., Suite E-26, Miami, FL 33015 (305)-655-1115

PROFESSIONAL REGISTRATION

- Registered Professional Engineer in Florida #40424
- Registered Professional Engineer in Colorado #24987
- Registered Professional Engineer in Pennsylvania #041025-R
- Florida State Certified General Contractor (inactive) #CGC 052780
- Building Inspector - Southern Bldg. Code Congress Intl. #6737

EDUCATION

- Bachelor of Science Civil Engineering –1982
Colorado State University, Fort Collins, Colorado

CIVIC SERVICE

- Past Member of Structural and Fire Code Committees for Broward County Board of Rules and Appeals.
- Judge for Silver Knight Science Award 2001 sponsored by The Miami Herald.

PROFESSIONAL AFFILIATIONS

- Florida Structural Engineers Association (FSEA) - President 2006
- Florida Structural Engineers Association (FSEA) - Past President 2007, Secretary 2004 –2005.

CONTINUING EDUCATION COURSES AND SEMINARS – Partial list

- Advanced Concrete Design, FIU, Miami, FL - 1991.
- Construction Estimating, FIU, Miami, FL - 1991.
- ASCE Hurricanes - 1993.
- Strengthening Concrete Structures with Carbon Fiber - 1997.
- 2nd Annual Blasting Vibration Technology Conference - 1998.
- Effects of Fire on Building Construction Materials - 1998.
- Roofing Systems and Failures - 1998.
- Protecting Homes and Consumers from Subterranean Termites - 1999.
- Masonry Construction & Inspection Workshop - 1999.
- American with Disabilities Act Title II and III - 2001.
- Masonry Design and Detailing Seminar –2005.
- Simpson Anchors Design & Construction in High Velocity Hurricane Zone - 2005.

PROFESSIONAL HISTORY

Structural Engineer - The Pepper Engineering Group, Inc., 1993 - present. Structural and Forensic engineering.

Structural Engineer - Gopman-Pepper Consulting Engineers, 1992 - 1993. Structural and Forensic engineering.

Structural Engineer - Hollywood, FL. 1990 - 1992. Self Employed.

Structural Engineer - Pembroke Pines, FL, 1988 - 1990. Promote formwork systems and value engineering services.

Structural-Civil Engineer - Annapolis, Maryland, 1987 - 1988. Land development of commercial and industrial sites.

Structural Engineer - Denver, Colorado, 1985 - 1987. Structural design of commercial and residential structures.

Custom Builder - Broomfield Colorado, 1985 - 1987. Owner / Builder.

Structural Engineer - Denver Colorado, 1982 - 1985. Structural design and inspections of prestressed and precast concrete components for commercial and residential buildings, and parking garages.

FORENSIC and INVESTIGATIVE WORK

Structural and forensic engineering services for cause and assessment of structural failures and material defects, and condition surveys, structural investigations, design specifications, construction inspections, and concrete restoration. Engineering Services as Blasting Consultant for City of Miramar 1997-1999. Expert Witness in Dade and Broward County Courts.

Completed over 2,000 investigative assignments related to the following conditions:

- Hurricane Damage
- Flood Damage
- Roof Damage
- Structural Failures and Collapse
- Fire Damage
- Foundation Failures
- Tile and Other Floor Surface Failures
- Building Code Violations
- Concrete Deterioration and Steel Corrosion
- Construction Vibrations
- Quarry Blasting
- Vehicle Collision with Structures
- Slip Coefficient of Friction Investigations
- Termite Damage
- Insurance Appraisals
- Truss Inspections
- Construction inspections
- Building Code Compliance Inspections

CONCRETE RESTORATION PROJECTS

BRICKELL HARBOUR CONDOMINIUM - Miami, FL. Garage Concrete Restoration and Waterproofing - 2001. 18 -Story - Concrete Restoration - 2002. Engineering Investigations and Project Manual - 2002.

OCEAN VIEW TOWERS CONDOMINIUM - Hallandale, FL. 10 -Story - Concrete Restoration of selected Balconies. Engineering Investigation - 2001. Condition survey, proposals, investigation reports, engineering cost estimates.

LAKEPOINT TOWERS CONDOMINIUM - Hallandale, FL. 14-Story - Concrete Restoration of Balcony Slabs - 2000. Condition survey, proposals, investigation, engineering cost estimates, project manual, engineering inspections.

SEACOAST 5700 CONDOMINIUM - Miami Beach, FL. 17-Story High Rise Building - Concrete Restoration and Waterproofing Penthouse - 2000. Condition survey, proposals, investigation reports, engineering cost estimates, project manual, bid analysis, engineering inspections.

CORINTHIAN CONDOMINIUM - Miami Beach, FL. 17-Story - Concrete Restoration of Tower and Railing Replacement, Exterior Painting -2000. Condition survey, proposals, investigation reports, engineering cost estimate, project manual, bid analysis, engineering inspections.

LAUREL HOUSE CONDOMINIUM - Hollywood, FL. 10-Story - Concrete Restoration and Railings - 1999. Condition survey, proposals, investigation reports, engineering cost estimates, project manual, bid analysis, engineering inspections.

OCEAN PARK CONDOMINIUM - Miami Beach, FL. Restoration and Waterproofing - 1999. Condition survey, proposals, investigation reports, engineering cost estimates, project manual, bid analysis, engineering inspections.

WESTIN HOTEL - Miami Beach, FL. Tower and Parking Garage Repairs - 1998. Condition survey, proposals, investigation reports, engineering cost estimate, project manual.

BRICKELL XTRA STORAGE - Miami, FL. Column and Beam Repairs - 1996. Engineering inspections.

BAYFRONT MANOR APARTMENTS - Miami, FL. Stairwell Restoration - 1995. Engineering inspections.

CLUB ON THE BAY CONDOMINIUM - Miami, FL. Column & Pool Repairs - 1995. Engineering inspections.