

DIANE C. RIGGI, PE, GC, BI, SECB.

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
- Structural Engineers Certification Board #SECB 1200-0705

EDUCATION

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

CIVIC SERVICE

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

PROFESSIONAL AFFILIATIONS

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

CONTINUING EDUCATION – Partial list

- Advanced Concrete Design, FIU, Miami, FL - 1991.
- Construction Estimating, FIU, Miami, FL - 1991.
- ASCE Hurricanes of 1992 - December 1993.
- Strengthening Concrete Structures with Carbon Fiber - September 1997.
- 2nd Annual Blasting Vibration Technology Conference - February 1998.
- Effects of Fire on Building Construction Materials - April 1998.
- Roofing Systems and Failures - July 1998.
- Arbitration and Mediation in Construction - August 1998.
- Protecting Homes and Consumers from Subterranean Termites - May 1999.
- Masonry Construction & Inspection Workshop - August 1999.
- Florida Law for Design Professionals – December 2000.
- American with Disabilities Act, Title II and III - November 2001.
- Contract - Acceleration, Changed Work, Delay, Termination – November 2003.
- Masonry Design and Detailing Seminar – February 2005.
- Design & Construction in the High Velocity Hurricane Zone, Simpson, September 2005.
- Structural Requirements of the 2004 Existing Building Code – December 2005.

PROFESSIONAL HISTORY

Structural Engineer, The Pepper Engineering Group, Inc., 1993 – present. Structural and Forensic engineering services. Cause and assessment of structural failures, material problems, condition surveys, structural investigations, cost estimates, project manuals, design specifications, engineering inspections, concrete restoration, waterproofing repairs for condominiums, hotels, commercial and residential buildings. Engineering services as Blasting Consultant for City of Miramar 1997-1999. Expert Witness in Dade and Broward County Courts.

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

Structural Engineer, Self employed, 1990 – 1992. Design-Build 2-story office building.

Structural Engineer, Pembroke Pines, FL, 1988-1990. Promoted concrete formwork systems to architects, engineers and contractors, preliminary design layout, value engineering services.

Structural-Civil Engineer - Maryland, 1987 – 1988. Land development, utility design, investigation of forced sewer main, 25-Acre office center, 130-acre industrial site, 25-acre office complex.

Structural Engineer, Denver, Colorado, 1985 – 1987. Structural design of buildings in concrete, masonry, steel, timber and wood framing. Engineering calculations, drawings, specifications, inspections. 10,000 SF custom home, 75-unit townhome complex, 30,000 SF commercial center.

Custom home Builder, Broomfield Colorado, 1985-1987. Design – Build owner and contractor.

Structural Engineer, Denver Colorado, 1982 – 1985. Structural design of prestressed concrete and precast concrete buildings and components. Engineering calculations, drawings, specifications, inspections. 7-story, 700,000 SF office building, 9-story 225,000 SF office building, 60,000 SF parking garage, warehouse buildings and other structures.

FORENSIC and INVESTIGATIVE WORK:

Completed over 1,800 investigative assignments related to the following:

1. Hurricane Damage
2. Roof Damage
3. Structural Failures and Collapse
4. Fire Damage
5. Foundation Failures
6. Tile and Other Floor Surface Failures
7. Building Code Violations
8. Concrete Deterioration (corrosion of reinforcing steel)
9. Construction Vibrations
10. Quarry Blasting
11. Vehicle Collisions with Structures
12. Slip Coefficient of Friction Investigations
13. Termite Damage
14. Insurance Appraisals
15. Truss Inspections
16. Building Code Compliance Inspections
17. Construction Inspections

CONCRETE RESTORATION PROJECTS

BRICKELL HARBOUR CONDOMINIUM - 200 SE 15 Road, Miami, FL. One-story Parking Garage - Concrete Restoration and Waterproofing repairs. Engineering Investigation Completed Spring 2001. 18-Story High Rise - Concrete Restoration of Post-Tensioned Structure. Engineering Investigation Completed January 2002, Project manual completed March 2002. Condition survey, proposals, investigation reports, engineering cost estimate, project manual, pre-bid meeting, bid analysis report.

OCEAN VIEW TOWERS CONDOMINIUM - 800 Parkview Drive, Hallandale, FL. Two, 10 -Story Buildings - Concrete Restoration of selected Balcony Slabs. Engineering Investigation Completed March 2001. Conducted condition survey. Prepared proposals, investigation reports, engineering cost estimate.

LAKEPOINT TOWERS CONDOMINIUM - 100 Golden Isles Drive, Hallandale, FL. 14-Story High Rise Building - Concrete Restoration of Balcony Slabs. Construction Completed Fall 2000. Conducted condition survey. Prepared proposals, investigation reports, engineering cost estimate, project manual, engineering inspection, construction-engineering services.

SEACOAST 5700 CONDOMINIUM - 5700 Collins Avenue, Miami Beach, FL. 17-Story High Rise Building - Concrete Restoration and Waterproofing of penthouse deck. Construction Completed November 2000. Condition survey, proposals, investigation reports, engineering cost estimate, project manual, pre-bid meeting, bid analysis report, engineering inspection, construction engineering services.

THE CORINTHIAN CONDOMINIUM - 5825 Collins Ave., Miami Beach, FL. 17-Story High Rise Building-Concrete Restoration of Tower, Railing Replacement, Exterior Painting. Construction Completed 1999-2000 Condition survey, proposals, investigation reports, engineering cost estimate, project manual, pre-bid meeting, bid analysis report, engineering inspection, construction-engineering services.

THE LAUREL HOUSE CONDOMINIUM - 300 Pierce Street, Hollywood, FL. 10-Story Building - Concrete Restoration and Railing Replacement. Construction Completed 1999. Condition survey. proposals, investigation reports, engineering cost estimate, project manual, pre-bid meeting, bid analysis report, engineering inspection, construction-engineering services.

OCEAN PARK CONDOMINIUM - 6450 Collins Ave., Miami Beach, FL, Tower Restoration and Waterproofing - Construction Completed 1999. Condition survey, proposals, investigation reports, engineering cost estimate, project manual, pre-bid meeting, bid analysis report, engineering inspection, construction engineering services.

THE WESTIN HOTEL - 4833 Collins Ave., Miami Beach, FL. (Formerly Doral Hotel), Tower and Parking Garage Repairs. Construction Completed 1998. Condition survey, proposals, investigation reports, engineering cost estimate, project manual.

BRICKELL XTRA STORAGE - 601 SW 8th Street, Miami, FL. Column and Beam Repairs, Construction Completed 1996. Engineering inspection.

BAYFRONT MANOR APARTMENTS - 530 NE 31 Street, Miami, FL. Stairwell Restoration. Construction Completed 1995. Engineering inspection.

CLUB ON THE BAY CONDOMINIUM - 700 NE 26 Terrace, Miami, FL. Column & Pool Repairs. Construction Completed 1995. Engineering inspection.