

Charles M. Roig, ALA

Licensed Architect

Professional Experience

Consultant

2014 – Present

SOLUTION ENGINEERING GROUP
MONTGOMERY, IL

Consultant for Construction Technology Capability Center. Forensic Reports and Investigations regarding building and related failures and personal injuries.

CEO/President

2011 - Present

R-EVOLUTIONLIVING INC

ROSELLE, IL

Company dedicated to the design, fabrication and marketing of patented disaster-proof lumber modular units. See www.r-evolutionliving.com.

Consultant

2011 – 2014

TGER TECHNOLOGIES INC
PACKER ENGINEERING INC

NAPERVILLE, IL

NAPERVILLE, IL

Consultant for Construction Technology Capability Center. Forensic Reports and Investigations regarding building and related failures and personal injuries.

Partner/Owner

1999 - Present

ROIG ASSOCIATES, LLC

ROSELLE, IL

Full service architectural firm. Licensed Architect. Design, detailing, specifications, structural analysis, rendering, and 2D/3D CADD for all building types. Education and training, project management and software consultation. Research and Inventions for Patents. See www.roigassociates.com.

Owner

1993 - 1999

ROIG ASSOCIATES

PARK RIDGE, IL

Licensed Architect and Consultant for Chicago area builders and architectural firms. Design, structural analysis, detailing, specifications, rendering, and 2D/3D CADD for all building types for Architecture Firms and Builders: Johnston Architects (1997 – 1999): Directed 2 – 4 member team. Neumann Homes (1995 – 1997): Designed the company's product line, managed design department and was Architect of Record (Licensed Professional). Faganel Builders (1993 – 1995): Designed the company's product line, managed architectural department and was Architect of Record (Licensed Professional).

Director of Architecture

1991-1993

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RWS DEVELOPMENT MOKENA, IL
Product design and head of architectural department for residential builder. Architectural working drawings and site construction plans. Architect of Record (Licensed Professional).

Director of Architecture 1988-1991
SPARTAN GROUP/LRK INVESTMENTS ST. CHARLES, IL
Product design and head of architectural department for industrial and residential builder. Provided concept plans, renderings, land development and subdivision layouts, architectural working drawings, estimating and site construction plans. Attended hearings at various municipalities. Architect of Record (Licensed Professional).

Vice President/Owner 1984 - 1988
ADVENT DESIGN GROUP CHICAGO, IL
Full service architectural/interiors/structural engineering firm and builder. Design, detailing, specifications, structural analysis, and rendering for all building types. Interior design, office building and industrial plant space planning, facilities management. Director of 14 architects/designers, head designer and marketing representative.

Designer 1981-1983
O'NEIL DESIGNERS DES PLAINES, IL
Provided architectural direction for a department of Interior Designers and Space Planners. Firm supplied full design services for restaurants, banks, showrooms and offices. Provided concept plans, renderings, fabrication drawings and architectural working drawings.

Designer 1974-1981
GAUL ASSOCIATES CHICAGO, IL
Design and layout for offices. Total area of projects exceeded three million square feet. Drawing of full construction documents for restaurants, banks, residences and offices.

Education

First Professional Degree (BArch) in Design 1982
UNIVERSITY OF ILLINOIS CHICAGO, IL
Design Curriculum - with Structures Curriculum Courses in Mathematics and Structures

Professional Registration

Licensed Architect Awarded 1990
LICENSE NUMBER 001-013224 ACTIVE STATUS
By examination

Professional Organizations

Association of Licensed Architects ACTIVE MEMBER
MEMBER NUMBER 05IL13224M

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Professional Acknowledgements

American Institute of Architects
Innovations in American Housing

LECTURER and RECOGNITION

Home Builders Association of Greater Chicago
Silver Key Award – Outstanding Design

AWARD

Areas of Expertise

- Architectural Design Custom and Product Design
- Structural Engineering Analysis & Design
- Construction Contracting and Management
- Product Development
- Site Analysis
- Premises/Product Liability
- Patent Writing
- Specification Writing
- Inventing of Products Relating to Architecture
- Failure Analysis

Professional Highlights

Received U.S. patent for Wind-Force Resistant Structure (EF5 tornado resistant housing structure), 2012.

Taught seminar for the Wind-Force Resistant Structure at Vanguard Modular Products, Houston, Texas.

Taught seminar on Wind-Force Resistant Structure for Rotary Club meeting, Oakbrook, IL.

Wrote White Paper on “Adjacency Structural Matrix” and associated principals involving the patented Wind-Force Resistant Structure.

Beta User for “SolidBuilder” three-dimensional CADD program. Consulted for developers.

Consulting for implementation of “SolidBuilder” program for Midwest and Atlantic Region builders.

Designed home product line, site analysis, street layout, topography and all utilities for Lakewood Estates North and Unincorporated Plainfield subdivisions in Chicago Metro Area.

Investigated FEMA cannon tests for hurricane and tornado force projectiles into proprietary barriers.

Miscellaneous Acknowledgements

YMCA

Youth Group Leader

REGIONAL LEADER

Professional Musician and Author
Lead and Ensemble Roles