

J. Barton Weeks, MS, MBA, PE
President
Weeks Engineering Construction & Consulting, LLC

EDUCATION:

Samford University, Birmingham, AL

Master of Business Administration, May 1996, GPA - 3.73

Virginia Polytechnical Institute and State University, Blacksburg, VA

Master of Science in Civil Engineering (Structural Program), December 1989, GPA - 3.86

Auburn University, Auburn, AL

Bachelor of Science in Civil Engineering, March 1988, GPA - 3.80, Cum Laude

Tulane University, New Orleans, LA

Civil Engineering, Fall 1983 - Fall 1984, GPA - 3.80

WORK EXPERIENCE:

Weeks Engineering Construction & Consulting, LLC, Birmingham, AL

President

Twenty-three years experience in structural engineering and industrial, residential and commercial construction. Engineered and constructed over 70 complex remodeling projects and more than 20 residential homes. Performed home inspections, infrared inspections, structural inspections, building code analysis, failure analysis, building envelope analysis, special construction inspections for builders, attorneys, and owners. Experienced in the design of multi-story buildings, foundations, frameworks, and equipment enclosures. Serve as principal design engineer, construction manager, and business consultant on projects from residential to large industrial structures. Responsible for client contact and design means and methods. Act as a liaison between project personnel and the client on implementing value engineering. Responsible for technical leadership, construction drawings and specifications, engineering budget and schedule, and client and vendor contact.

Performed structural analysis and design calculations for commercial buildings, reviewed structural steel and concrete rebar shop drawings, provided site assessment of damaged building frameworks, and residential inspections. Utilized computer applications for structural analysis, roadway design, bridge design and storm drainage analysis. Have performed field surveys for residential construction, bridges, and roads. Supervised field personnel, procured materials, estimated material quantities, and scheduled construction sequence and timeline using project management software.

January 1999 to present

Raytheon Engineers and Constructors, Birmingham, AL

Structural Design Engineer

Served as design engineer on industrial construction for the pulp and paper industries, chemical industries, and process industries. Responsible for overall structural design and supervision of engineers and designers. Served as Engineering Technology Leader for the Structural Department which involved overall coordination and implementation of computer aided design, training engineers and designers in software and hardware use, maintaining structural analysis and design software and vendor contacts, implementation of computer technology on all projects, computer programming, maintaining CAD platforms in MicroStation and AutoCAD, maintaining department intranet, providing interface to other disciplines for PDS projects, recommending software purchases, and participating in engineering users' groups. Act as a liaison between project management and design engineering on implementing value engineering for clients.

August 1995 to January 1999

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Fluor Daniel, Inc., Cincinnati, OH
Lead Structural Engineer

Served as lead structural engineer on a \$150 million paper machine expansion for The Procter & Gamble Company. Directly supervised a staff of engineers and designers on the design of six new buildings to support the paper machine. Coordinated work sharing with another design office which made the design effort appear seamless to the client. Responsible for technical leadership, construction drawings and specifications, engineering budget and schedule, and client and vendor contact. Responsible for 3-D PDS implementation on the project and capital cost savings to the client.

February 1995 to August 1995

Rust Engineering Company, Birmingham, AL
Structural Design Engineer

Served as design engineer on industrial construction for the pulp and paper industries, chemical industries, and process industries. Responsible for overall design of buildings and foundations, frameworks, equipment supports, and other structural facilities. Supervised designers and engineers during the design phase so that schedules and budgets were met. Gathered data from clients and vendors to ensure compliance with established design criteria. Experienced in 3-D structural analysis and design software on multi-platform operating systems and adept at generating CAD drawings. Implemented computer programs for the analysis and design of concrete and steel structures. Instructed engineers on computer software applications and LRFD steel design.

January 1990 to January 1995

Virginia Tech, Blacksburg, VA
Graduate Teaching Assistant

Directed classroom activities which included consulting with students, preparing lectures, and grading homework. Presented lectures and led lab development lab. Researched vibration dampeners for concrete floors supported by steel joists. Performed in-depth study on the economies of the LRFD steel design method as compared to ASD steel design.

Fall 1988 through Fall 1989

Mark Diversified, Inc., Sacramento, CA
Field Engineer

Supervised field personnel, procured materials, estimated material quantities, and scheduled construction sequence and timeline using project management software. Led effort in OSHA compliance and worked with client on quality control and cost savings.

Spring and Summer 1988

Gresham Smith & Partners, Nashville, TN
Intern Engineer

Performed structural analysis and design calculations for commercial buildings, reviewed structural steel and concrete rebar shop drawings, and provided site assessment of damaged building frameworks. Utilized computer applications for roadway and bridge design and storm drainage problems.

Summers 1986 and 1987

Turner Engineering Company, Nashville, TN
Intern Surveyor

Surveyed for garden homes, bridges, and roads. Operated level and transit and kept field notes which were used for plot plans, contour maps, benchmark surveys, and construction staking.

Summer 1985

UNIVERSITY HONORS & ACTIVITIES:

Auburn University Civil Engineering Outstanding Student of the Year, 1987

Alabama ASCE Student Engineer of the Year, 1987

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Auburn University Alternate Outstanding Engineering Graduate, Winter Quarter 1988
Phi Kappa Phi, National Honor Society
Tau Beta Pi, National Engineering Honorary, Secretary 1986-1987
Chi Epsilon, Civil Engineering Honorary, President 1987-1988
Phi Eta Sigma, Freshman Honorary
Virginia Tech Pratt Scholarship
Auburn University Norman Liver Scholarship
Alabama ASCE Scholarship
Virginia Tech Graduate Teaching Assistant
Who's Who Among Students in American Universities and Colleges
Outstanding College Students of America
Dean's Honor List
Engineer in Training, Alabama (#6825)
Sigma Phi Epsilon Fraternity
 Scholarship Chairman, 1987-1988
 House Improvements Chairman, 1987-1988
 Senior Scholarship Award, 1988
Engineering Student Council
American Society of Civil Engineers, Student Member
Intramural Athletics (Swimming, Tennis, Basketball, Triathlon)

PROFESSIONAL & COMMUNITY ACTIVITIES:

Registered Professional Engineer, Alabama
Registered Professional Engineer, Ohio
Licensed Alabama Home Builder and Remodeler
Registered Alabama Home Inspector
International Code Council (ICC), Professional Member
American Society of Civil Engineers (ASCE), Member
Structural Engineering Institute (SEI), Member
Greater Birmingham Association of Home Builders (GBAHB), Member
National Association of Home Builders (NAHB), Member
Structural Engineers Association of Alabama (SEAOAL), Member, Secretary/Treasurer - 1998, 1999
American Concrete Institute (ACI), Professional Member
American Institute of Steel Construction (AISC), Professional Member
American Forest & Paper Association's American Wood Council (AWC), Professional Member
GT-STRUDL User's Group, Vice Chairman, 1996
Intergraph Structural User's Group, Interfaces Vice Chairman, 1996
Intergraph Structural User's Group, Interfaces Chairman, 1997
Young Business Leaders of Birmingham
Loaned Executive to the United Way, 1990, 1991
Member Strathmore's Who's Who, 1996
Member International Who's Who of Professionals, 1997

PRESENTATIONS & PAPERS:

Residential Construction for the new Millennium, Birmingham Parade of Homes, 1999
Internet and Intranet Webs: For the Engineer and Contractor, Auburn University Extension Center, 1998
Masonry Construction, Auburn University Extension Center, 1998
Design of Engineered Masonry, Structural Engineers Association of Alabama, 1998
Concrete Construction, Auburn University Extension Center, 1997, 1998
Timber Construction, Auburn University Extension Center, 1997, 1998
Steel Construction, Auburn University Extension Center, 1996, 1997
FrameWorks Plus in a Production Environment, Fall IGUG, 1996
A Steel Design Comparison: LRFD vs. ASD, Virginia Polytechnic Institute and State University, 1989