

J. Barton Weeks, MS, MBA, PE, M. ASCE, CGP
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, 1999 to present

Thirty-three years' experience in structural and civil 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, home energy ratings, and special construction inspections for owners, builders, and attorneys. 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. Responsible for technical leadership, construction drawings and specifications, engineering budget and schedule, and client and vendor contact.

Performed civil and structural analysis and design calculations for residential, commercial, and industrial buildings using steel, concrete, masonry, timber, pre-stressed / post-tensioned concrete, reinforced fiberglass, aluminum, and cold-formed steel. Reviewed shop drawings, provided site assessment of damaged building frameworks, and property 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 and labor quantities and costs, and scheduled construction sequence and timeline using project management software.

Raytheon Engineers and Constructors, Birmingham, AL

Structural Design Engineer, 1995 - 1999

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 BIM 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.

Fluor Daniel, Inc., Cincinnati, OH

Lead Structural Engineer, 1995

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

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

schedule, and client and vendor contact. Responsible for 3-D BIM implementation on the project and capital cost savings to the client.

Rust Engineering Company, Birmingham, AL

Structural Design Engineer, 1990 - 1994

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.

Virginia Tech, Blacksburg, VA

Graduate Teaching Assistant, 1988 - 1989

Directed classroom activities which included consulting with students, preparing lectures, and grading homework. Presented lectures and led land 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.

Mark Diversified, Inc., Sacramento, CA

Field Engineer, 1988

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.

Gresham Smith & Partners, Nashville, TN

Intern Engineer, 1986 - 1987

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.

Turner Engineering Company, Nashville, TN

Intern Surveyor, 1985

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.

UNIVERSITY HONORS & ACTIVITIES:

Auburn University Civil Engineering Outstanding Student of the Year, 1987

Alabama ASCE Student Engineer of the Year, 1987

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

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

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
Certified Green Professional (CGP)
Certified Home Energy Rater (HERS) (inactive)
Registered Alabama Duct Air Tightness Testing Contractor (DATT)
U.S. Green Building Council, Member
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
Residential Energy Services Network (RESNET), 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

SEMINARS ATTENDED

National Steel Construction Conference, Nashville, TN, 05/21/1989
Alternate Design Method for Concrete Design, Birmingham, AL, 10/27/1995
Fiber Reinforced Concrete, Birmingham, AL, 12/07/1995
Anchorage to Concrete, Birmingham, AL, 05/02/1996
Steel Design, Birmingham, AL, 10/10/1996
National Council of Structural Engineers Association, Portland, MA, 10/2/1998
Specifying Metal Building Systems, Birmingham, AL, 08/19/1999
National Council of Structural Engineers Association, Seattle, WA, 09/23/1999

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

Design of Reinforced Masonry Structures, Birmingham, AL, 11/12/1999
Structural Engineering Software, Birmingham, AL, 1/20/2000
The Design- Build Process, Birmingham, AL, 08/16/2001
The Engineer's & Surveyor's Role as an Expert Witness in Civil Litigation, Birmingham, AL, 10/19/2001
Overview of the Structural Provisions of the International Building Code 2000, Birmingham, AL, 01/31/2002
Wood Solutions Fair, Atlanta, GA, 04/17/2002
Construction Contracts & Law, Birmingham, AL, 05/25/2002
Mechanically Stabilized Earth Walls, Birmingham, AL, 12/08/2004
Specialty Foundations, Ground Improvement, Ground Treatment & Earth Retention, Birmingham, AL, 03/10/2004
Design of Masonry Structures Using the Masonry Designers Guide, Birmingham, AL 3/19/04
318-05 Building Code, Birmingham, AL, 01/01/2005
Concrete Parking Lot Design, Birmingham, AL, 02/03/2005
Killer Contract Clauses, Birmingham, AL, 02/09/05
Foundations for Problem Soils, Birmingham, AL, 05/12/2005
Southern Pine: Design, Specify & Build, Birmingham, AL, 05/24/2005
Pressure Treated Southern Pine, Birmingham, AL, 08/04/2005
Designing Load Bearing Mid Rise Structures Using Cold Formed Steel Framing, Birmingham, AL, 09/15/2005
Engineered Wood Products, Birmingham, AL, 04/11/2006
Design Steel Your Way with the 2005 Specification, Birmingham, AL, 08/30/2006
Managing Construction Liability, Birmingham, AL 10/12/2006
Design of Wood Frame Buildings for High Wind, Snow, and Seismic Loadings, Birmingham, AL 09/10/2007
Contract Review and Revision I: Contract Basics, Birmingham, AL 01/25/2008
Crystalline Waterproofing Technology: Improving Concrete Durability, Birmingham, AL 05/27/2008
Water-Repellency and Efflorescence Control in Masonry, Birmingham, AL 05/28/2008
An Overview of Decorative Concrete Solutions, Birmingham, AL 05/29/2008
Concrete Floor and Slab Construction (ACI 302.1R), Birmingham, AL 10/06/2008
Beyond Contract Basics: A Monograph, Birmingham, AL 12/17/2008
Polymer Concrete Surface Systems: A Green & Sustainable Solution, Birmingham, AL 12/18/2008
The Features, Benefits & Applications of Structural Insulated Panels (SIPs), Birmingham, AL 12/18/2008
NFPA 13D - Installation of Fire Sprinklers in 1 & 2 Family Homes, Birmingham, AL 01/19/2009
Collaboration and Interoperability with BIM for Structural Engineering, Birmingham, AL 09/24/2009
CHANCE Academy Helical Piles & Tieback Seminar, Atlanta, GA 12/03 - 12/04/2009
Further Studies in Contract Review, Birmingham, AL 12/14/2009
Controlling Moisture Movement in Buildings: Air & Vapor Barrier Approach, Birmingham, AL 06/13/2010
Design Criteria for Ceramic Tile/Stone Installations, Birmingham, AL 06/13/2010
Moisture Management in Residential Walls, Birmingham, AL 06/13/2010
The Principles of Rainscreen Construction, Birmingham, AL 06/13/2010
Weather Resistant Barriers in Vertical Exterior Walls, Birmingham, AL 06/13/2010
Using Water Repellents to Prevent Water Intrusion into Above-Grade Masonry, Birmingham, AL 06/13/2010
Bridging Environmental & Architectural Design to Nurture Renewability, Birmingham, AL 06/13/2010
Water Resistive Barriers – Installation and 2006 Code Changes, Birmingham, AL 06/18/2010
Strategies for Green Building, Durability & Sustainability, Birmingham, AL 06/18/2010
Slabjacking, Birmingham, AL 06/19/2010
Structural Crack Repair by Epoxy Injection, Birmingham, AL 06/20/2010
Control of Cracking in Concrete Structures, Birmingham, AL 06/20/2010
Designing High-Performance Buildings with EnergyPlus, Birmingham, AL 07/06/2010
Rainscreen Systems: Moisture Management in Layers, Birmingham, AL 07/16/2010
Achieving New Heights with Wood-Framed Tall Walls, Birmingham, AL 07/21/2010
Hot-Dip Galvanized Steel for Corrosion Protection, Birmingham, AL 07/26/2010
2005 National Design Specification for Wood Construction – ASD/LRFD, Birmingham, AL 08/19/2010

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

Control of Condensation / Mold / Energy Leakage to Improve Building Performance, Birmingham, AL 08/30/2010
Home Energy Rating System - Southface Energy Institute, Atlanta GA, 10/12 – 10/17/2010
2005/2008 Special Design Provisions for Wind and Seismic – ASD/LRFD, Birmingham, AL 10/14/2010
What You Need to Know About the National Green Building Standard ICC-700, Birmingham, AL 11/03/2010
Understanding LEED for Architects, Birmingham, AL 01/18/2011
High Performance Building: Design, Birmingham, AL 01/19/2011
Sustainable Waterproofing Solutions, Hycrete Concrete Solutions, Birmingham, AL 02/08/2011
Residential Requirements of the 2009 International Energy Conservation Code, Birmingham, AL 04/23/2011
Lessons in Professional Liability: Liability IQ, Birmingham, AL 05/20/2011
Applications of Spray Polyurethane Foam Systems, Birmingham, AL 05/24/2011
Designing Waterproofing Systems for Basement Conversions from Crawl Spaces, Birmingham, AL 06/15/2011
Roofing & Waterproofing Codes, Birmingham, AL 07/03/2011
Assuring Water Resistance of Masonry Construction, Birmingham, AL 07/17/2011
A Solution for Tile Roofs: Polyurethane Foam Roofing Adhesives, Birmingham, AL 07/17/2011
An Introduction to LEED, Birmingham, AL 07/17/2011
Moisture Protection in Masonry Walls – Designing and Installing the Proper System to Minimize Moisture Infiltration, Birmingham, AL 12/15/2011
How to Design, Build and Market an ENERGY STAR Home, Birmingham, AL 02/05/2012
You Can Do It! 10 Easy Steps to High Performance Houses, Birmingham, AL 02/17/2012
Green Building for Building Professionals, Montgomery, AL, 02/27 - 02/28/2012
NAHB Basics of Building, Birmingham, AL 03/01/2012
Walkable Thermoplastic Deck and Roofing Membrane Systems, Birmingham, AL 03/04/2012
The Four Barriers of the Building Envelope, Birmingham, AL 03/20/2012
Green Building Envelope Design, Birmingham, AL 04/15/2012
Examples of High Performance Solutions Using LEED for Homes, Birmingham, AL 04/28/2012
Exterior Wood Doors and the Battle Against Moisture, Birmingham, AL 04/28/2012
ENERGY STAR Version 3 Rater Training, Birmingham, AL 04/30 – 05/03/2012
LEED 101: Green Building Basics & LEED, Birmingham, AL 05/03/2012
Spray Polyurethane Foam (SPF) For Building Insulation, Birmingham, AL 05/14/2012
Light Weight Honeycomb Reinforced Stone Cladding System, Birmingham, AL 05/14/2012
Low-Slope Roof Wind Design Overview, Birmingham, AL 05/15/2012
Contract Basics for Design Professionals, Birmingham, AL 07/26/2012
Decoding Thermal and Ignition Barrier Requirements for Spray Polyurethane Foam, Birmingham, AL 10/12/2012
Retaining Wall Design Made Easy, Birmingham, AL 12/04/2012
Recommended Installation of a Steam Shower System, Birmingham, AL 12/25/2012
Cutting through Code Confusion: A New R-Value Guide for Roofs and Walls, Birmingham, AL 12/26/2012
What You Need To Know About LEED For Homes v4, Birmingham, AL 01/16/2013
Building Science for Existing Homes: The Top 5 of 2013, Birmingham, AL 04/06/2013
Get the Dirt Out: Erosion and Sediment Control, Birmingham, AL 06/04/2013
System Solutions for Optimizing Energy Efficiency and Structural Performance, Birmingham, AL 07/31/2013
Durable Energy Efficient Wall Systems, Birmingham, AL 07/31/2013
Thermal Performance: Energy Efficiency Through Insulation, Birmingham, AL 08/01/2013
Concrete Waterproofing, Birmingham, AL 08/29/2013
Below-Slab Vapor Protection: Taking the Ground out of Play, Birmingham, AL 08/29/2013
Welded Wire Reinforcement Use in Concrete Structures, Birmingham, AL 08/29/2013
Concrete Waterproofing with Crystalline Technology, Birmingham, AL 08/29/2013
Brick Cladding and Water Management, Birmingham, AL 08/29/2013
Enhancing Projects with Manufactured Stone Veneer, Birmingham, AL 08/29/2013
Best Practices in delivering the LEED and NGBS-required Owner Education, Birmingham, AL 09/20/2013
Designing Exteriors with Cellular PVC Trim and Moulding, Birmingham, AL 10/03/2013
Steel Framing for Composite Decking, Birmingham, AL 10/05/2013
Shear Wall Design Examples, Birmingham, AL 01/16/2014
Liquid Resin Membrane Systems: Seamless Waterproofing Solutions, Birmingham, AL 02/20/2014
ACI 332: A Contractor-Friendly Code, Birmingham, AL 06/03/2014
Geotechnical Construction Solutions, Birmingham, AL 06/05/2014
Sustainable Building Design: The Myth of Breathability, Birmingham, AL 06/17/2014

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

Don't Get Soaked! - Drainage Solutions for the Rainscreen Building Envelope, Birmingham, AL 06/17/2014
Managing Construction Phase Risks, Birmingham, AL 07/22/2014
Design & Construction of FEMA Safe Rooms, Birmingham, AL 09/18/2014
Mass Retaining Walls: Theory, Design, and Construction, Birmingham, AL 10/08/2014
Combustion Safety & Work Scope for HERS Raters, Atlanta, GA, 11/05/2014 – 11/06/2014
Weep Now or Weep Later, Birmingham, AL 03/15/2015
Proper Brick Masonry Detailing, Birmingham, AL 03/15/2015
Risk Drivers, Birmingham, AL 05/31/2015
RESNET HERS Index and the 2015 IECC, Birmingham, AL 09/23/15
Steel and the Phantasmagoria, Birmingham, AL 09/25/15
What Went Wrong? Diagnosing Building Envelope Distress, Birmingham, AL 09/25/15
Significant Changes to the Wind Load Design Procedures of ASCE 7-10, Birmingham, AL 12/02/15
Underpinning and Strengthening of Foundations, Birmingham, AL 12/03/15
The History of the AISC Specification, - 1923-2010, Birmingham, AL 01/22/16
Design Example: Buried Concrete Basement Wall, Birmingham, AL 03/20/16
Prescriptive Residential Wood Deck Construction Guide - 2012 IRC, Birmingham, AL 04/04/16
NCMA Tornado Shelter Design Guide, Birmingham, AL 05/02/16
Practical Solutions to Frequently Asked Welding Questions, Birmingham, AL 05/03/16
Contract Review: Key Provisions - Raising the Bar, Birmingham, AL 05/04/16
2015 IECC – Energy Rating Index (ERI) Compliance Alternative, Birmingham, AL 07/14/16
Cable Railing Assemblies: Prefabricated Kits and Custom Design Options, Birmingham, AL 07/19/16
2015 International Energy Conservation Code: Residential Compliance Basics, Birmingham, AL 07/20/16
Subfloor: The Hidden Asset, or Lurking Liability, Birmingham, AL 07/21/16
Designing and Constructing High-Performance, Low-Risk Building Envelopes, Birmingham, AL 09/07/16
Design Considerations of Wood Frame Structures for Permanence, Birmingham, AL 09/08/16
Natural Thin Stone Veneer, Birmingham, AL 11/26/16
Earthwork 101, Birmingham, AL 11/30/16
Subfloor Construction Adhesives: Solvent Based, Water Based and Reactive, Birmingham, AL 12/30/16
Continuous Insulation - Spray Polyurethane Foam vs. Rigid Foam Board, Birmingham, AL 12/30/16
How Windows are Designed, Tested, and Rated for Comfort and Energy Efficiency, Birmingham, AL 12/30/16
Hot, Humid & Cool: Passive House in the Deep South, Birmingham, AL 12/30/16
Design Fundamentals of Fiber-Reinforced Polymer (FRP) Strengthening, Birmingham, AL 12/30/16
Construction Stormwater Best Management Practices (BMP), Birmingham, AL 12/31/16
Hydrologic Trespass and Nuisance Considerations in Stormwater Management Design, Birmingham, AL 12/31/16
Design of Reinforced Concrete Liquid Structures, Birmingham, AL 12/31/16
Wind Design for Non-Residential Wood Structures, Birmingham, AL 12/31/16
Architectural Veneers and Cast Stone with Integral Finish - Attributes and Performance, Birmingham, AL 01/02/17
Draining Your Wall, Not Your Wallet - Understanding Temp. & Moisture Relationship, Birmingham, AL 01/09/17
Case Study: A Polyaspartic Coating, Birmingham, AL 02/01/17
Dry Set Porcelain Pavers for Outdoor Applications, Birmingham, AL 03/20/17
Water Management in Shower Installations, Birmingham, AL 06/04/17
Solving for ASHRAE 62.2 Indoor Air Quality Standards, Birmingham, AL 06/12/17
Design of Loadbearing Tall Wood Studs for Wind and Gravity Loads, Birmingham, AL 06/15/17
HERS Raters Becoming Certified ICC Energy Inspectors, Birmingham, AL 07/11/17
Using the Performance Path for Compliance in the IRC and Energy Code, Birmingham, AL 07/13/17
Negotiations Strategies for Better Client Agreements, Birmingham, AL 07/27/17
Roofing Options Alternative Roofing Systems, Birmingham, AL 07/31/17
Improve Your Concrete with Fibers, Birmingham, AL 09/27/17
ICF Construction for Your Next Commercial Project, Birmingham, AL 09/27/17
Permeable Pavements for Storm Water Design, Birmingham, AL 09/27/17
Designing Concrete Parking Areas Using ACI 330, Birmingham, AL 09/27/17
Tilt Up Construction, Birmingham, AL 09/27/17
Case Study of ICF Alabama Structures, Birmingham, AL 09/27/17
Modern Admixtures to Improve Your Concrete Properties, Birmingham, AL 09/27/17
Concrete Overlays for Failed Parking Areas, Birmingham, AL 09/27/17
Understanding Alternative Exterior Trim, Birmingham, AL 10/03/27/17

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

Residential Wood Deck Design, Birmingham, AL 12/03/27/17
Effect of Occupant Behavior and Air Conditioner Controls on Humidity, Birmingham, AL 12/04/27/17
What's Changed with ANSI/RESNET/ICC 380, Birmingham, AL 12/08/27/17
2018 NDS Changes, Birmingham, AL 12/14/27/17
Surfaces Get Stronger, Birmingham, AL 01/12/18
Designing with Continuous Insulation for Thermal and Moisture Management, Birmingham, AL 01/12/18
Four Barriers for Wetting Potentials-How to Design Effective Building Exterior Walls, Birmingham, AL 01/13/18
What You Need to Know about the 2018 IECC, Birmingham, AL 03/08/18
Prescriptive Residential Wood Deck Construction Guide - DCA6-2015 Version, Birmingham, AL 04/19/18
After the Storm – Lessons Learned About Building for High Wind Resistance, Birmingham, AL 04/19/18
Shear Wall Analysis Made Easy: Force Transfer Around Openings Calculator, Birmingham, AL 05/17/18
Mold on Wood Structural Building Components, Birmingham, AL 09/11/18
Innovative Design Strategies Written in Stone, Birmingham, AL 09/14/18
Taking on the Wind: Metal Building Construction, Birmingham, AL 10/04/18
Engineered Wood I-Joists: Fire Protective Assemblies and Firefighter Safety, Birmingham, AL 10/09/18
Roofs and Condensation, Birmingham, AL 10/25/18
Prefabricated Ornamental Railings, Birmingham, AL 10/25/18
Structural Wood Building Systems, Birmingham, AL 10/25/18
Perforated Wood Structural Panel Shear Walls, Birmingham, AL 11/15/18
Better and Best Moisture Management: Drainable Wraps and Rainscreens, Birmingham, AL 11/17/18
Designing with Nature in Mind, Birmingham, AL 11/17/18
Rating the Building Envelope Fenestration Testing and Certification, Birmingham, AL 02/28/19
Roofing & Waterproofing Forensics, Birmingham, AL 02/28/19
Wood Deck FAQs: Deciphering DCA6 and More, Birmingham, AL 03/14/19
Building Science Primer: Psychrometrics, Birmingham, AL 03/14/19
Precision and Performance with Manufactured Stone Veneer, Birmingham, AL 03/21/19
How to Design, Price, and Build Pre-Engineered Floating Staircases, Birmingham, AL 03/21/19
Roofing System Selection and Design, Birmingham, AL 03/26/19
High-Performance Thermal and Moisture Protection Strategies, Birmingham, AL 04/08/19
ACI 332-14 - A Contractor Friendly Code, Birmingham, AL 04/08/19
Safer, Stronger Decks - Ledger Connections for Wood and Masonry, Birmingham, AL 07/10/19
2018 IBC Essentials For Wood Construction, Birmingham, AL 08/15/19
Polyiso – The Next Generation Air & Water Resistive Barrier, Birmingham, AL 11/27/19
ASCE 7-16 and Its Impact on Wind Uplift Design, Birmingham, AL 11/27/19
An Ethical Conversation, Birmingham, AL 12/03/19
Trust, but Verify – Quality Control for Your Air Barrier, Birmingham, AL 12/04/19
Best Practices for Segmental Retaining Wall (SRW) Design, Birmingham, AL 03/23/20
2015/2018 NDS Example Problems: Member Designs and Connection Basics, Birmingham, AL 04/16/20
Beyond the Perfect Wall, Birmingham, AL 04/17/20
Communication & Design Professionals, Birmingham, AL 04/23/20
Diaphragm Design of Post Frame Using DAFI – Engineering Details, Birmingham, AL 04/29/20
Foundations, Keeping Your Bottom Dry, Birmingham, AL 05/01/20
ACI Engineering Ethics, Birmingham, AL 05/17/20
ACI Guide to Decorative Concrete, Birmingham, AL 05/18/20
Fiber Cement Panels as Rain Screens, Birmingham, AL 05/19/20
Specifying Fluid-Applied Coatings in Roofing Project Design, Birmingham, AL 05/19/20
Wind Design of Roof Systems, Birmingham, AL 05/26/20
High Performance Insulated Rooflines, Birmingham, AL 05/28/20
AB Walls with Alternate Reinforcement Design, Birmingham, AL 05/28/20
Frame for Success Avoid Callbacks, Birmingham, AL 06/04/20
Improve Your Report Writing - Improve Your Business, Birmingham, AL 10/27/20
Report Writing and Risk Management, Birmingham, AL 10/27/20
Ethics Guiding the Profession to an Inclusive Future, Birmingham, AL 12/30/20
Wind Design for Components and Cladding, Birmingham, AL 12/30/20
Significant Changes to the Wind Load Provisions of ASCE 7-10 and the 2015 IBC/IRC, Birmingham, AL 12/30/20
Three Coat Stucco - Specify it Right & Make it Work, Birmingham, AL 01/13/21

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

The Elusive Sub-Contractor Responsible for Transitions, Birmingham, AL 01/13/21
Guide to ACI 562-16 Repair Code: Design Examples, Birmingham, AL 01/16/21
Detailing Continuity in Building Enclosure Systems, Birmingham, AL 01/28/21
High-Performing, Resilient Wood-Framed Roofs, Birmingham, AL 01/28/21