

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

1331 Legacy Drive
 Birmingham, AL 35242
 (205) 980-9093 Voice (205) 981-2119 FAX
 E-mail: bweeks@weccusa.com Internet: www.weccusa.com

Attorneys	
Baker, Donelson, Bearman, Caldwell & Berkowitz, PC 420 20th Street North Birmingham, AL 35203	Massey, Stotser & Nichols, PC 1780 Gadsden Hwy Birmingham, AL 35235
Bowman and Brooke, LLP 150 South Fifth Street, Suite 2600 Minneapolis, MN 55402	McCallum, Hoaglund, Cook & Irby, LLP 2062 Columbiana Road Birmingham, AL 35216
Brent L. Crumpton, PC 505 20th Street North Birmingham, AL 35203	Ogle, Liles and Upshaw, LLP 505 North 20 th Street Birmingham, AL 35203
Cabaniss, Johnston, Gardner, Dumas & O'Neal 2001 Park Place North, Suite 700 Birmingham, AL 35203	Parsons, Lee & Juliano, PC 1901 Sixth Avenue, North Birmingham, AL 35237
Carr Allison 100 Vestavia Parkway Birmingham, AL 35216	Porterfield, Harper, Mills & Motlow, P.A. 22 Inverness Center Parkway, Suite 600 Birmingham, Alabama 35242
Collins, Liveoak & Boyles, PC 505 North 20th Street Birmingham, AL 35203	Riley & Jackson, PC 1744 Oxmoor Road Birmingham, AL 35209
Cory, Watson, Crowder & DeGaris 2131 Magnolia Avenue, Suite 200 Birmingham, AL 35205	Rosenthal Law Office 300 Richard Arrington Jr Blvd N Birmingham, AL 35203
Friedman, Leak Dazzio, Zulanas & Bowling, PC 3800 Colonnade Parkway, Suite 650 Birmingham, AL 35243	Rushton, Stakely, Johnston & Garrett, PA 184 Commerce Street Montgomery, Alabama 36104
Hall, Conerly & Bolvig, PC 505 North 20th Street Birmingham, AL 35203	Slaten & O'Connor, PC 105 Tallapoosa Street, Suite 101 Montgomery, Alabama 36104
Haskell Slaughter Young & Rediker, LLC 1400 Park Place Tower Birmingham, AL 35203	Spurrier, Rice & Hall, LLP 3226 Bob Wallace Avenue Huntsville, AL 35805
Hinshaw & Culbertson LLP 222 N. LaSalle, Suite 300 Chicago, IL 60601	Smith, Spires & Peddy, PC 2015 Second Avenue North, Suite 200 Birmingham, AL 35203
Hollis & Wright, PC 505 North 20th Street Birmingham, AL 35203	Starnes & Atchison, LLP 100 Brookwood Place Birmingham, AL 35209
Kee & Selby, LLP 1900 International Park Drive, Suite 220 Birmingham, AL 35243	Stella Tipton, Esq. 2363 Lakeside Drive Birmingham, AL 35244
Jim Pino & Associates, PC 363 Canyon Park Drive Pelham, AL 35124	Terry Luck, Esq. 207 Montgomery Street, Suite 425 Montgomery, AL 36104
Lloyd, Gray & Whitehead, PC 2501 Twentieth Place South, Suite 300 Birmingham, AL 35223	Wallace, Jordan, Ratliff & Brandt, LLC 800 Shades Creek Parkway Birmingham, AL 35209

Attorneys	
Whatley Drake, LLC 2323 Second Avenue North Birmingham, AL 35203	Stephens Law Firm, LLC One Chase Corporate Center, Suite 400 Birmingham, AL 35244
Rutledge & Yaghamai 3800 Colonnade Parkway, Suite 490 Birmingham, AL 35243	Farris, Riley & Pitt, LLP 2025 Third Avenue North, Suite 200 Birmingham, AL 35203
Mitchell McNutt & Sams 215 Fifth Street North Columbus, MS 39701	Bradford & Sears, PC 2020 Canyon Road Birmingham, AL 35216
Davenport & McGarrah, PC 3180 Cahaba Heights Road Birmingham, AL 35244	Spain & Gillon LLC 2117 2nd Avenue North Birmingham, AL 35203
Waldrep, Stewart & Kendrick, LLC 2323 2nd Avenue North Birmingham, AL 35203	Leitman, Siegal, Payne & Campbell, PC 420 20 th Street North, Suite 2000 Birmingham, AL 35203
US Attorney's Office 131 Clayton Street Montgomery, AL 36104	Bear & Liddon, LLC 1330 21st Way South, Suite 300 Birmingham, AL 35205
Wooten, Thornton, Carpenter 212 West North Street Talladega, AL 35160	Maynard Cooper & Gale, PC 1901 Sixth Avenue North Birmingham, AL 35203
Ritchey Simpson & Glick, PLLC 2700 Hwy 280, Suite 203W Birmingham, AL 35223	O'Bannon & O'Bannon, LLC PO Box 1428 Florence, AL 35631
Marsh, Rickard & Bryan, PC 800 Shades Creek Parkway, Suite 600-D Birmingham, AL 35209	Butler, Snow, O'Mara, Stevens & Cannada, PLLC 6075 Poplar Avenue, Suite 500 Memphis, TN 38119
Liveoak & Boyles, LLC 821 39th Place South Birmingham, AL 35222	Sirote & Permutt, PC 2311 Highland Avenue South Birmingham, AL 35205
Taylor Ritter, PC 300 North 21 st Street Birmingham, AL 35203	Huie, Fernambucq & Stewart, LLP 2801 Hwy 280 South, Suite 200 Birmingham, AL 35223

Periodicals	
ACI Structural Journal	Metal Architecture
AISC Engineering Journal	Metal Building Developer
Alabama HomeBuilder	Metal Construction News
ASCE News	Metal Home Digest
Builder	Modern Steel Construction
Building Products	New Architect
Cadalyst	Remodeling
CE News	Residential Architect
Civil Engineering	Structural Engineering & Design
Civil Engineering News	Structures Magazine
Concrete Contractor	The Journal of Light Construction
Concrete International	TecHome Builder
Custom Home	Tools of the Trade
Design / Build Business	Visual Studio
eWeek	Wood Design & Building
Fine Homebuilding	Journal of Building Enclosure Design
Journal of Contemporary Wood Engineering	Green Builder

Textbooks and Handbooks

Design of Wood Structures, Donald E. Breyer, 3rd Edition
Fundamentals of Geotechnical Analysis, Irving S. Dunn, Loren R. Anderson, Fred W. Kiefer, 1980
Foundation Analysis and Design, Joseph E. Bowles, 5th Edition
Reinforced Concrete Design, Chu-Kia Wang, Charles G. Salmon, 4th Edition
Design of Concrete Structures, Arthur H. Nilson, George Winter, 10th Edition
Steel Structures – Design and Behavior, Charles G. Salmon, John E. Johnson, Third Edition
Prestressed Concrete Analysis and Design, Antoine E. Naaman, 1982
Advanced Mechanics of Materials, Arthur P. Boresi and Omar M. Sidebottom, 4th Edition
Design of Steel Structures, Edwin H. Gaylord, Charles N. Gaylord, and James E. Stallmeyer, 3rd Edition
Basics of Retaining Wall Design, Hugh Brooks, 5th Edition
Manual of Steel Construction – Volume II Connections, American Institute of Steel Construction, 1st Edition
Concrete Pipe Design Manual, American Concrete Pipe Association, 1985
Title 29 of the Code of Federal Regulations (CFR), Part 1926, OSHA
Vector Mechanics for Engineers, Statics and Dynamics, Ferdinand P. Beer and E. Russell Johnston, 4th Edition
Structural Analysis, Russell C. Hibbeler, 1985
Design of Welded Structures, Omer W. Blodgett, 1982
Reinforced Masonry Engineering Handbook, James E. Amrhein, 5th Edition
Masonry Design and Detailing, Christine Beall, 3rd Edition
Residential Construction Performance Guidelines, National Association of Home Builders, 2nd Edition
Notes on ACI 318-89 Building Code Requirements for Reinforced Concrete, Portland Cement Association, 1990
Notes on ACI 318-02 Building Code Requirements for Reinforced Concrete, Portland Cement Association, 2002
Notes on ACI 318-05 Building Code Requirements for Reinforced Concrete, Portland Cement Association, 2005
Notes on ACI 318-08 Building Code Requirements for Reinforced Concrete, Portland Cement Association, 2008
Design of Modern Concrete Highway Bridges, Conrad P. Heins and Richard A. Lawrie, 1984
Structural Steel Design – LRFD Method, Jack C. McCormac, 1989
Foundation Behavior and Repair – Residential and Light Commercial, Robert W. Brown, 2nd Edition
Guide To The Use Of The Wind Load Provisions of ASCE 7-98, Kishor C. Mehta and Dale C. Perry, 1998
Surveying Fundamentals, Jack C. McCormac, 1983
Highway Engineering, Clarkson H. Oglesby and R. Gary Hicks, 4th Edition
A Professional's Handbook on Grouting Concrete Repair and Waterproofing, Five Star, 1995
Roark's Formulas for Stress and Strain, Warren C. Young, 6th Edition
Residential Construction Performance Guidelines, National Association of Home Builders, 2nd, 3rd Edition
Requirements for Residential Concrete Construction and Commentary, ACI 332-04, American Concrete Institute
Fluid Mechanics & Hydraulics, Ronald Giles, 1962
Civil Engineering Reference Manula, Michael Lindeburg, 1992
Elements of Vibration Analysis, Leonard Meirovitch, 1986
Modern Welded Structures, Lincoln Arc Welding Foundation, 1971
Masonry Designers' Guide, Fifth Edition
Handbook of Modern Construction Law, Lambert and White, 1982
Concepts and Applications of Finite Element Analysis, Cook, Malkus, and Plesha, 1989
Designing with Steel Joists and Joist Girders, Fisher, West, Pas, 1991
Elementary Fluid Mechanics, Vennard & Street, 1982
Water Supply and Pollution Control, Viessman and Hammer, 1985
Toward a Zero Energy Home, The Taunton Press, 2010
JLC Field Guide To Residential Construction – A Manual of Best Practice, Volumes 1 & 2, Hanley Wood, 2003
Crawl Space Science – What to Have Done and Why, Lawrence Janesky, 2006
The JLC Guide to Moisture Control, Hanley Wood, 2007

Building Codes

Standard Building Code 1997, Southern Building Code Congress
International Residential Code (IRC) 2000, 2003, 2006, 2009, ICC
International Building Code (IBC) 2000, 2003, 2006, 2009, ICC
International Existing Building Code (IEBC) 2000, 2003, 2006, 2009, ICC

International Fire Code (IFC) 2000, 2003, 2006, 2009, ICC
International Mechanical Code (IMC) 2000, 2003, 2006, 2009, ICC
International Plumbing Code (IPC) 2000, 2003, 2006, 2009, ICC
International Fuel Gas Code (IFGC) 2000, 2003, 2006, 2009, ICC
International Property Maintenance Code (IPMC) 2000, 2003, 2006, 2009, ICC
International Energy Conservation (IECC) 2000, 2003, 2006, 2009, ICC
International Zoning Code (IZC) 2000, 2003, 2006, 2009, ICC
International Code Council Performance Code (ICCPC) 2000, 2003, 2006, 2009, ICC
International Private Sewage Disposal Code (IPSDC) 2000, 2003, 2006, 2009, ICC
International Wildland-Urban Interface Code (IWUIC) 2000, 2003, 2006, 2009, ICC
Standard Specifications for Highway Bridges, AASHTO, 13th Edition

Material Codes

Steel Construction Manual – American Institute of Steel Construction, 13th Edition
Manual of Steel Construction – ASD Design, American Institute of Steel Construction, 8th, 9th Edition
Manual of Steel Construction – LRFD Design, American Institute of Steel Construction, 1st, 2nd, 3rd Edition
Timber Construction Manual, American Institute of Timber Construction, 2nd Edition
Minimum Design Loads for Buildings and Other Structures, ASCE, 1998, 1995, 2002, 2005
National Design Specification for Wood Construction, American Wood Council, 1997, 2001, 2005
Building Code Requirements for Reinforced Concrete, American Concrete Institute, 1989, 2002, 2005, 2008
Building Code Requirements for Masonry Structures, Masonry Standards Joint Committee, 1999, 2005

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
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 and 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 - ACI, Birmingham, AL 06/19/2010
Structural Crack Repair by Epoxy Injection - ACI, Birmingham, AL 06/20/2010
Control of Cracking in Concrete Structures - ACI, Birmingham, AL 06/20/2010
Designing High-Performance Buildings with EnergyPlus – US Department of Energy, 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 – American Galvanizers Assoc., Birmingham, AL 07/26/2010

Presentation and 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