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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	Replacement Contractor
Civil Engineering	Residential Architect
Civil Engineering News	Structural Engineering & Design
Concrete Contractor	Structures Magazine
Coastal 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
Roofing Contractor	EcoHome
Restoration & Remediation	Eco-Structure
Qualified Remodeler	Construction Business Owner
Erosion Control	Commercial Construction & Renovation
The Construction Specifier	Architectural Roofing & Waterproofing
Total Landscape Care Magazine	High Performance Buildings
Residential Design+Build	Home Energy
Heating Piping Air Conditioning (HPAC) Engineering	SprayFoam Professional
Walls & Ceilings	Retrofit
Environmental Design & Construction (edc)	Professional Deck Builder
Journal of the National Institute of Building Sciences (JNIBS)	

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 Edition
 Residential Construction Performance Guidelines, National Association of Home Builders, 3rd Edition
 Residential Construction Performance Guidelines, National Association of Home Builders, 4th 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, 4th Edition
 Masonry Designers’ Guide, 5th 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, Volume 1, Hanley Wood, 2003
 JLC Field Guide To Residential Construction – A Manual of Best Practice, Volume 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
 Residential Energy – Cost Savings and Comfort for Existing Buildings, 5th Ed., John Krigger and Chris Dorsi, 2009
 The Annotated Construction Law Glossary, American Bar Association, 2010

Building Codes

CABO One and Two Family Dwelling Code, 1989, Council of American Building Officials
 Standard Building Code 1988, 1991, 1994, 1997 Southern Building Code Congress
 International Residential Code (IRC) 2000, 2003, 2006, 2009, 2012, 2015, 2018 ICC
 International Building Code (IBC) 2000, 2003, 2006, 2009, 2012, 2015, 2018 ICC
 International Existing Building Code (IEBC) 2000, 2003, 2006, 2009, 2012, 2015, 2018 ICC
 International Fire Code (IFC) 2000, 2003, 2006, 2009, 2012, 2015, 2018 ICC
 International Mechanical Code (IMC) 2000, 2003, 2006, 2009, 2012, 2015, 2018 ICC
 International Plumbing Code (IPC) 2000, 2003, 2006, 2009, 2012, 2015, 2018 ICC
 International Fuel Gas Code (IFGC) 2000, 2003, 2006, 2009, 2012, 2015, 2018 ICC
 International Property Maintenance Code (IPMC) 2000, 2003, 2006, 2009, 2012, 2015, 2018 ICC
 International Energy Conservation (IECC) 2000, 2003, 2006, 2009, 2012, 2015, 2018 ICC
 International Zoning Code (IZC) 2000, 2003, 2006, 2009, 2012, 2015, 2018 ICC

International Code Council Performance Code (ICCPC) 2000, 2003, 2006, 2009, 2012, 2015, 2018 ICC
International Private Sewage Disposal Code (IPSDC) 2000, 2003, 2006, 2009, 2012, 2015, 2018 ICC
International Wildland-Urban Interface Code (IWUIC) 2000, 2003, 2006, 2009, 2012, 2015, 2018 ICC
National Green Building Standard, National Association of Home Builders, 2008
National Green Building Standard Commentary, National Association of Home Builders, 2008
ICC ASHRAE 700-2015 National Green Building Standard, 2015
Standard Specifications for Highway Bridges, AASHTO, 13th Edition
ICC/NSSA Standard for the Design and Construction of Storm Shelters, 2008

Material Codes

Steel Construction Manual – American Institute of Steel Construction, 13th Edition, 14th Edition, 15th 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
Seismic Design Manual, 2nd Edition
Timber Construction Manual, American Institute of Timber Construction, 2nd Edition
Minimum Design Loads for Buildings and Other Structures, ASCE, 1998, 1995, 2002, 2005, 2010
National Design Specification for Wood Construction, American Wood Council, 1997, 2001, 2005, 2012
Wood Frame Construction Manual for One and Two-Family Dwellings, American Wood Council, 2012
Building Code Requirements for Reinforced Concrete, ACI, 1989, 2002, 2005, 2008, 2011, 2014
Building Code Requirements for Masonry Structures, Masonry Standards Joint Committee, 1999, 2005, 2008, 2011

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
2005 National Design Specification for Wood Construction – ASD/LRFD, AWC, Birmingham, AL 08/19/2010
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
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 - Avoiding Catastrophic Mold and Moisture Problems, 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

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