

# Tyson Enterprise, LLC

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## Highlights of Professional Career:

A licensed Builder, with the State of Michigan, for over 52 years. I have designed and constructed all types of buildings. My administrative and work experience includes new structures as well as the remodeling of existing structures and site improvements.

## EXPERIENCE

Hands on experience in the following crafts: Carpentry, roofing, masonry, plumbing, electrical work, heating, ceramic tile, siding, insulation, suspended ceilings, drywall, plaster, painting and cement.

## SPECIALIZING IN OSHA AND MIOSHA REQUIREMENTS AND ENFORCEMENT.

## CONSTRUCTION EXPERIENCE

1957-60: Worked for E. H. Wygal, Custom Craft Carpentry and Billy Wygal Carpentry performing many of the required tasks in erecting structures.

1960-67: Carpenter and construction subcontractor for new structures and remodeling of existing structures. Worked for numerous firms to include but not limited to: Ferndale Co-op, Fraser Lumber Company, Groesbeck Lumber Company, Stellar Building Company, etc.

1967-83: Formed Tyson Building Company as a private firm. Received general building license from State of Michigan in May, 1967, license number 10760. Designed and built all types of structures to include new as well as remodeling.

1983-94: President of Tyson Building Company, Incorporated. Purpose; to design and build all types of structures to include new as well as renovation of existing structures.

1994-To present: President of Tyson Enterprises, Incorporated builders license number 2101010760. Purpose; to design and build all types of structures to include new as well as renovation of existing structures.

## FORENSIC SERVICES

I have inspected buildings and sites in dispute for attorneys since 1972. Furnishing independent oral and written opinions and estimates when requested. I work for attorneys representing Plaintiffs or Defendants

Forensic Services For Plaintiff & Defense Attorneys



1972-86: Inspected buildings and sites in dispute and consulted with attorney Joseph E. Mihelich and his Associates.

1987-: Expanded my consultation business and made my professional services available to additional attorneys.

Joined: Building Officials & Code Administrators International, Inc. [BOCA] in October 1989.

Joined: International Conference of Building Officials [ICBO] December 1989. This organization wrote and distributed the Uniform Building Code

Joined: Mechanical Inspectors Association of Michigan January 22, 1990.

Joined: American Society for Testing and Materials [[ASTM] November 1991. Currently serving on committees D-2I, C-2I & F-I3 where we set the standards for reasonably safe walking surfaces.

Joined: Metropolitan Mechanical Inspectors Association [MMIA] in February 1992.

Joined: National Fire Protection Association [NFPA] in September 1992.

Joined: International Association of Electrical Inspectors [IAEI] in April 1994.

Joined: Michigan Association of Housing Officials [MAHO] April 1999.

Joined: Building Industry Association of Southeastern Michigan [BIA] January 2001. BIA is a trade association, which was formed in 1928 as the nation's first organization serving the varied interests and needs of the area's builders. AAM was formed in 1969 to serve the needs of the multifamily housing industry and represent homebuilders, developers, remodelers, light commercial builders, multifamily owners and managers and suppliers to the industry. Combined membership in both Associations exceeds 2,500. The BIA is affiliated with the **National Association of Home Builders and the Michigan Association of Home Builders [HBA]**. These associations provide the building industry with education, information, programs, networking, political action and all other activities, which advance the building industry and provide housing for all income levels. Meetings, seminars and speakers are offered on a continuing action agenda, nearly every day, all year long.

Joined: Modular Building Systems Associations [MBSA] May 2006.

Joined: Code Officials Conference of Michigan [COCM] April 22, 2006.

## **SEMINARS, CONFERENCES, SYMPOSIUMS AND TRADE SHOWS**

Seminar: St. Louis, Missouri December 1988. BACK TO BASICS. Subjects included foundations, super structure, roofs, plumbing and heating. The heating segments encompassed forced air and hot water systems.

Seminar: Toronto, Ontario September 16-17, 1989. Toronto Educational Seminar. Subjects included structures, flat roofs, inspecting heating systems, technical inspection equipment and writing reports.

Seminar: Alexandria, Virginia November 18-19, 1989. Advanced heating, to include forced air, steam and hot water.

Seminar: Joliet, Illinois January 15-19, 1990. BOCA-Workshop Inspecting Mechanical Systems

In One and Two Family Dwellings. Train the Trainer workshop in the evening.

MIAM Conference: Grand Rapids, Michigan March 1-3, 1990. Spring conference for Mechanical Inspectors Association of Michigan. Topics include commercial kitchen ventilation, supply & return air ducts.

Seminar: Whittier, California October 8-9, 1990. Concrete Inspection to include: Concrete mixes, reinforcement and installation procedures, methods to reduce cracking.

Seminar: Flint, Michigan February 20, 1991. Plumbing design and review of the 1990 BOCA plumbing code.

Seminar: Saginaw, Michigan April 9, 1991. General Construction Requirements for Wood Construction, ICBO.

Seminar: Whittier, California April 29- May 1, 1991. Inspector Workshop, Administrative Aspects of Inspection, Fire and Life Safety Issues and Special Topics

MIAM Conference: Battle Creek, Michigan September 5-7, 1991: Michigan Mechanical Inspectors semi-annual conference. Among other items addressed new vent stack sizing and Michigan Occupational & Health Act [MIOSHA] review.

BOCA Conference: Indianapolis, Indiana September 16, 1991. BOCA 76th Annual Conference, subject; residential sprinklers.

Seminar: Reading, Pennsylvania September 30 - October 4, 1991. Inspecting Rough and Finish Plumbing in One and Two Family Dwellings as required by CABO.

Seminar: Ann Arbor, Michigan October 31, 1991. 1990 ICBO Mechanical Code Update.

Seminar: Lansing, Michigan November 7, 1991. ICBO, 1991 Code Update.

Seminar: Whittier, California March 16 - 17, 1992. ICBO Electrical Inspection 1.

Videoconference: Detroit, Michigan March 18, and April 21, 1992. Opening All Doors presented by the American Institute of Architects [A.I.A.] and ICBO. New federal rules Governing Americans with Disabilities Act.

Seminar: Frankenmuth, Michigan April 3, 1992. ICBO - Plan Review of Light Commercial Structures.

Seminar: Saginaw, Michigan July 10, 1992. ICBO Seminar; Permanent Wood Foundations.

Seminar: Lansing, Michigan August 6, 1992. ICBO Firestopping.

MIOSHA Conference: Lansing Michigan September 10 & 11, 1992. Bureau of Construction Codes, State of Michigan. What is MIOSHA to include MIOSHA Standards. Provisions For mechanical inspections and relining of existing chimneys.

Seminar: Whittier, California September 21-22, 1992. Mechanical Inspection I.

Seminar: Bay City, Michigan October 15-16, 1992. Masonry and Electrical Inspections.

Seminar: Farmington Hills, Michigan October 29, 1992. Comprehensive skill training on the principles of arbitration.

Seminar: Southfield, Michigan November 10, 1992. Comprehensive skill training on the principles of arbitration.

Seminar: January 25-29, 1993 Las Vegas, Nevada. World of Concrete. To include: Investigating In-Place Concrete, Concrete Basics Parts II & III, Concrete Repair & Troubleshooting Poured Walls.

Seminar: Masonry Institute of Michigan, Inc. April 23-24, 1993. Completed Principles of Masonry Technology Instruction & Certification.

Seminar: August 9-10, 1993 Whittier, California. Grading and Excavation.

Seminar: August 11-12, 1993 Whittier, California. Electrical II.

Seminar: October 18-19, 1993 Whittier, California. Structural Steel Inspection "Steel-framed Building Quality"

Seminar: American Arbitration Association: February 24, 1994 Southfield, Michigan. Chaired as sole Arbitrator in a Commercial Arbitration Construction Dispute.

Seminar: March 21-22, 1994 Whittier, California. 1993 NEC Electrical updates.

MIAM Conference: April 8, 1994 Lansing, Michigan. BOCA Vents & Venting & State Law.

Seminar: June 14, 1994 Clare, Michigan. Plumbing to include inspection, plan review & administration.

Seminar: August 4, 1994 Lansing, Michigan. ICBO Non-Structural Plan Review.

Seminar: October 6, 1994 Livonia, Michigan. IAEL Inspecting One and Two Family Dwellings.

ASTM Committee: October 31 & November 1, 1994 St. Petersburg, Florida. Served as Committee member on ASTM D-21. This committee sets the standards for testing Static Coefficient Of Friction for dry floor surfaces.

Seminar: December 2, 1994 Saginaw, Michigan. Latest technology on vapor barrier and air infiltration.

Seminar: May 4, 1995 Lansing, Michigan. Latest Michigan Energy Code requirements to include foam insulation. Manufactured Housing and Industrialized Manufactured Housing [Mobile Home] Rules

Seminar: June 19, 1995 Clare, Michigan, 1990 State plumbing code, Pressure balancing valves, power water heaters & fire stopping.

Seminar: August 9, 1995 Grand Rapids, Michigan. Solving Means of Egress Problems in Commercial Structures.

Seminar: August 25, 1995 Saginaw, Michigan. 1993 NEC Changes for 1 & 2 Family Dwellings

Seminar: September 22, 1995 Saginaw, Michigan. Residential Steel Framing.

ASTM Symposium: October 30-31, 1995 Gaithersburg, Maryland International Symposium on Slip Resistance: The Interaction of Man, Footwear, And Walking Surfaces. Served on F-13 committee.

Seminar: November 7, 1995 Atlanta, Georgia. Slips, Trips and Falls-New Solutions Practical Approaches to a Chronic Problem. Sponsored by Engineering & Safety Service, American Insurance Services Group, Inc.

Seminar: Detroit, Michigan December 6-7, 1995. How to comply With OSHA's Regulations on the Construction Site.

33<sup>rd</sup> Annual MIICBO Conference: Lansing, Michigan March 12-13, 1996. Fire Protection course 340, general provisions for fire protection for all buildings.

Seminar: Schaumburg, Illinois May 13-16, 1996. National Fire Protection Association 101 Life-Safety Code.

Seminar: Midland, Michigan October 14 & 15, 1996. Hazardous Materials course ICBO course 550.

Seminar: Lansing, Michigan February 25, 1997. Design/Plan Review: Special Topics ICBO course 355.

Seminar: Lansing, Michigan May 1, 1997. Cement Types.

ASTM F-13 Committee Meeting: Conshohocken, Pennsylvania June 9-10, 1997. Main committee meeting and portable slip meter work shop testing the Mark II and the English XL.

Seminar: Gaylord, Michigan June 27-28, 1997. NFPA 79, short circuit current, fire resistive assemblies & code panel questions.

Seminar: Lansing, Michigan October 27, 1997. Residential, Business, Factory and Industrial, Mercantile, Storage and Assembly Occupancies ICBO course 325.

ICBO Conference: Lansing, Michigan February 24-26, 1997. Fundamentals of Exiting, 1997 U.B.C. and nonstructural update, all weather masonry construction and masonry inspection.

Seminar: Southfield, Michigan July 29, 1998. Safety through design workshop presented by the Safety Council for Southeast Michigan.

MIICBO Chapter meeting: Lansing, Michigan August 6, 1998. Review of Stud Concrete Walls and related issues.

ICBO Conference: Lansing, Michigan February 22, 1999. State of Michigan Barrier Free Requirements.

Seminar: Madison Heights, Michigan March 18, 1999. Review of International Mechanical Code.

Seminar: Lansing , Michigan April 16, 1999. Overview of the 1998 International Property Maintenance Code.

Seminar: Muskegon, Michigan April 21, 1999. 1995 CABO 1 and 2 family plan review.

Seminar: Lansing, Michigan May 6, 1999. ICBO Quarterly Meeting, MIOSHA Requirements and Energy Code Update.

Seminar: Lansing, Michigan August 5, 1999. ICBO Quarterly Meeting, Light Gage Steel Stud Program

Seminar: Northbrook, Illinois Underwriters Laboratory Headquarters November 4, 1999. Testing a Rated Assembly.

IAEI Annual Educational Seminar: Flint, Michigan December 2-3, 1999. Plan Review, Low Voltage Lighting, Arc Fault Interrupters, Vita Link MC, Code Questions, Generator Hook ups and Grounding & Mechanical Exemption/Permits.

Seminar: Hazel Park, Michigan December 16, 1999. Bad mechanical installations.

ASTM Conference: New Orleans, Louisiana January 23-24, 2000. Slip resistance of all walking surfaces and walking surface testing equipment.

Seminar: Lansing, Michigan January 28, 2000. Condemnations of buildings, civil infractions and lead poison update.

Seminar: Lansing, Michigan May 4, 2000. Managing moisture and water problems in buildings and Soils and foundations investigations and problems.

Seminar: East Lansing, Michigan May 3, 2000. Overview of the International Building Code 2000.

Symposium: Hartford, Connecticut November 16-17, 2000. Completing the Property Maintenance and Housing Symposium.

Seminar: Madison Heights, Michigan February 15, 2000. Update on the International Mechanical Code & International Fuel Gas Code

Seminar: Lansing, Michigan April 4-5, 2001. Performing Structural Plan Reviews, Based upon; 2000 International Building Code.

Training: Cleveland, Ohio April 24, 2001. Technical & Professional Training Course on Measuring Residual Stresses in Glass Products.

MIAM Conference: Traverse City, Michigan September 27-29, 2001. Code administration, mold issues, smoke and fire dampers, vents, humidity, new refrigerants, fireplace log inserts, condensing boilers, exhaust systems, mechanical code changes for 2000, etc.

Seminar: Detroit, Michigan November 9, 2001. Overview of the International Property Maintenance Code 2000.

Seminar: Grand Rapids, Michigan November 20, 2001. Overview of the International Building Code 2000.

Seminar: E. Lansing, Michigan February 8, 2002. Overview of Existing Mechanical Inspections and Systems, and legislative update of the State of Michigan concerning construction.

Seminar: E. Lansing, Michigan February 12, 2002. Overview of the 2000 International Fire Code and its application to existing structures.

Seminar: Hazel Park, Michigan February 21, 2002. Mechanical Inspection Residential and Small Commercial Installations.

IAEI Spring Conference: Lansing, Michigan March 11 & 12, 2002. Primary Installations, Secondary Transformer, Grounding, Code questions, Michigan Residential Code.

ASTM Symposium: Las Vegas, Nevada October 14-16, 2002. The History and Chemical Makeup of Polishes. Managing Slips, Trips and Falls, A Legal Perspective. Meeting of committee D-21, current issues concerning floor surfaces, polishes and testing.

ASTM Conference: Albuquerque, New Mexico ASTM F-13 update on testing walking surfaces with and without contaminants using portable slip-resistive testers.

Seminar: East Lansing, Michigan January 24, 2003. Fire Safety-Don't Be Caught on the Hot Seat, Including, but not limited to the Department of State Fire safety, Fire safety for schools and sprinkler types, installations, etc.

Seminar: Hazel Park, Michigan February 27, 2003. Changing Technical and Plan Review Requirements in the Michigan Mechanical Code and Michigan Fuel Gas Code.

MIAM Conference: Mt. Pleasant, Michigan March 27, 28, 29-03. All types of gas piping including Corrugate, stainless steel[CSST], venting of fans & dryers, fire suppression systems, random mechanical code questions.

Conference: Lansing, Michigan April 11, 2003. Environmental concerns such as lead, mercury, mold, and West Nile virus.

Seminar: Lansing, Michigan August 4-5, 2003. The Essentials of Occupational, Safety and Health Act Compliance [OSHA & MIOSHA].

Seminar: Lansing, Michigan October 15, 2003. Solving Water Intrusion and Mold Problems.

Seminar: Lansing, Michigan October 17, 2003. Legal Aspects of Code Administration.

Seminar: Troy, Michigan October 23, 2003. ASHRAE 90.1-1999 [energy code changes].

Seminar: Farmington Hills, Michigan May 11, 2004. BIA Safety and Security learning essentials of a safety program for construction superintendents.

Seminar: Troy, Michigan May 13, 2004. Mechanical update from 2000 code to 2003 code and miscellaneous administration Sections.

MIAM Conference: Grand Rapids, Michigan September 9-11, 2004. Code updates, air balancing, indoor air quality and ultraviolet lamps & filtration systems, mechanical fire stopping, inspector communications, RINNAI water heaters and mechanical controls.

Seminars: Metalcon International, Las Vegas, Nevada October 20, 21& 22, 20094. Low & mid-rise construction, packing the right equipment, metal buildings & condensation and ask the

experts, where I sat on the expert panel representing the general contractor for discussion and questions to the experts.

Seminar: East Lansing, Michigan. 2003 International Property Maintenance Code review.

MIAM Conference: Clare, Michigan March 3-5, 2005. 2003 Michigan Mechanical review, including administration, duct systems, Forbes Act, Boiler Act 290 & Hydronic Piping, kitchen exhaust, other exhausts, etc.

Seminars: Anaheim, California May 5 & 6, 2005. Improper installations lead to stucco failures. Existing structure problem solving and correct opening and window installations.

Seminar: Novi, Michigan June 29, 2005. 2003 Michigan Uniform Energy Code update.

Seminar: Baltimore, Maryland October 14, 2005. Green Remodeling, Indoor Air Quality and mold causation.

Seminar: Frankenmuth, Michigan December 8 & 9, 2005. IAEI Michigan Annual Education Seminar Emergency Lighting Plan, Working Space Clearances, Questions on Plan Review, PA 217 Licensing, Code Complying Fastening Systems & Practices, In Ground Boxes, PA 230 & Part 8 Rules and Questions on Plan Review.

Seminar: Laguna Niguel, California January 25, 2006. Concrete litigation and a lively debate over scientific and technical issues raised in concrete claims. Typical concrete damages and recommended repairs.

Industry show: Anaheim, California May 4-6, 2005. Journal of Light Construction Builders Trade Show. Seminars on ceramic tile, drywall framing, etc. on floor demonstrations, new Products and their installations. At the trade shows I investigate how products are performing and any problems that have surfaced since release to the public.

Industry show: Jessup, Maryland October 12-16, 2005. Remodelers Trade Show. Product and installation seminars, on floor demonstrations, new product, installations.

Conference: Green Building Conference in Albuquerque, New Mexico March 11-15-06. Matters Concerning, energy efficiency, mold, moisture abatement, insulation air infiltration, venting, etc.

Seminar: Lansing, Michigan April 28, 2006. Building inspector training for court appearance and inspector safety and working with police.

Seminar: Williamsport, Pennsylvania May 10 & 11, 2006. Site & foundation preparation, overview of optimal scheduling, complete modular home set, finishing a modular home and special skills needed during the on-site completion process; Certificate issued after passing 4 different tests.

Code Conference: Thompsonville, Michigan September 12-15, 2006. Construction Act & Legislative Update, IBC & IRC 2006 Significant Changes, Icynene, Life Safety Fire Stopping, Wall Bracing & Architectural Design, Residential & Commercial Masonry Applications, Sealed Attics and Engineered Wood.

Seminar: Lansing, Michigan October 27, 2006. MAHO: It Takes a Thief I; put on by Consumers Energy, It Takes a Thief II; put on by Lansing Department of Water and Light. Inspecting dwellings for plumbing and mechanical deficiencies.



Seminar: Troy, Michigan December 1, 2006, Landlord And Tenant Law in Michigan.

Seminar Troy, Michigan March 15, 2007. MMIA: Air Balancing MMC 2003.

Industry Show: Orlando, Florida February 7-11, 2007. NAHB trade show, demonstrations, and seminars on new products, hardware and tools, improved products hardware and tools. Discussions of why some products presented problems and why some products were taken off market.

Seminar: Farmington Hills, Michigan April 20, 2007. BIA training for builders concerning building codes and job quality. Cancelled April 13, 2007 due to lack of interest by the builders. Ronald K. Tyson was the only builder that signed up and paid for the class.

Spring Conference: East Lansing, Michigan April 27, 2007. MAHO: Dealing with Vacant Buildings; new tactics by the cities of Grand Rapids and Kalamazoo, Michigan in dealing with residential blight. Arcs and sparks by lineman Joe and Chris from DTE Construction. Identification of transmission lines, sub-transmission lines, primary and secondary lines and service drops, street lighting, foreign utilities, pole hardware and equipment and live demonstrations of the dangers of high voltage power lines.

Seminar: Brownstown, Michigan May 10, 2007. Renovation, Remodeling & Repair concerning Lead and Certification of Lead Training as required by law.

Industry Show: Las Vegas, Nevada October 9-11, 2007. NAHB trade show, demonstrations, and seminars on new products, hardware and tools, improved products hardware and tools. Discussions of why some products presented problems and why some products were taken off the market.

Seminar: MMIA Quarterly meeting and seminar, Warren, Michigan October 18, 2007. Corrugated Stainless Tubing [CSST]. Presenters were from the national tubing manufacturer Omega Flex, Inc. and fire investigator David Row and code specialist and fire investigator Jason McPherson from Donan Engineering, Company, Inc. Matters discussed were product information and required and recommended installation, code issues and lightning strikes.

IAEI Annual Meeting: Annual meeting of the IAEI in Rochester, Michigan December 6-7, 2007. Residential inspections, Selective Co-ordination and Series Ratings, how to use the UL White book and Fire alarm design and inspections.

MAHO: Winter Conference in Lansing, Michigan January 25, 2008. Overview of the 2006 International Property Maintenance Code [IPMC] and Communication for Code Administration.

MMIA: Meeting and seminar Warren, Michigan February 21, 2008. HVAC Duct Construction Standards including, materials, construction and installation by Eli Howard SMACNA National.

MMIA: Meeting and seminar Warren, Michigan March 20, 2008. Michigan Mechanical Code, Michigan Residential Code & International Fuel Gas Code [residential & commercial] up date.

MIAM: Conference in Clare, Michigan March 27-29, 2008. Fire hood suppression, building sprinkler system, International Fuel Gas Code Fundamentals, ICC instructor.

MAHO: Summer conference Higgins Lake, Michigan June 11 & 12, 2008. Learn all there is to know about Radon, Lead, Mold, Etc. and review of the 2006 Michigan Residential Code.

BIA: Farmington Hills, Michigan November 17, 2008. The New Michigan Uniform Energy Code.

MMIA: Meeting and seminar Warren, Michigan January 15, 2009. Safety Changes to the 2006 Michigan Mechanical Code For Grease Duct Fire Wraps.

PARADIGM: Miss Dig excavation and protection training session in Troy, Michigan, March 4, 2009. 2009 Pipeline Emergency Response and Damage Prevention Training Program presented by Paradigm Liaison Services, LLC.

MMIA: Seminar in Warren, Michigan March 19, 2009. Proper Support of HVAC Equipment.

MMIA: Seminar in Warren, Michigan May 21, 2009. Class discussions concerning 2006 code changes, speaker Tennison Barry head of HVAC for the State of Michigan.

MAHO: Conference in Higgins Lake, Michigan June 10-12, 2009. New plumbing products and the advantages and disadvantages. HVAC class and hands on training for F. A. furnaces and boiler inspections. Bugs, rodents and other pests; recognition, prevention and extermination.

MAHO: Seminar in East Lansing, Michigan October 23, 2009. National Healthy Homes Training Center & Network concerning pests, lead, mold, asthma, allergies, rot and structures, etc.

IAEI: Annual seminar in Ann Arbor, Michigan December 3, 4, 2009. 1-hour Administration and 15-hours Technical Credits. Update of the 2008 Michigan Electrical Code and adopted 2008 NEC.

Industry Show: Las Vegas, Nevada January 19-23, 2010. NAHB trade show, demonstrations, and seminars on new products, hardware and tools, improved products hardware and tools. Discussions of new and improved products and product problems or failed products.

MMIA: Seminar in Warren, Michigan February 18, 2010. ECR Combo Forced Air and Boiler Furnaces and Honda Generators.

COCM Conference: In Grand Rapids, Michigan March 3-April 1, 2010. Inspector certificating and testing, High performance buildings & materials, Michigan Energy Code, DOW moisture control, Weather resistive barriers including code requirements & beyond, Precast and pre-stressed concrete & plant tour and risk management.

MMIA: Seminar in Warren, Michigan April 15, 2010, Mechanical PR Comm. & Ind. [plan review].

MMIA: Seminar in Warren, Michigan September 16, 2010. 2009 Commercial Plan review update.

COCM/MIAM: Joint conference in Traverse City, Michigan September 28-October 1, 2010. Michigan Energy Code with 2009 update, Builders Licensing Class, and essential building laws, Asbestos for private & commercial, EIFS inspections and Air Moisture Barriers, Property Maintenance and the building codes, Common Structural Failures, 2009 Residential Code Changes, Introduction to Lead.

Industry Show: Orlando, Florida January 12-16, 2011. NAHB trade show, demonstrations, and seminars on new products, hardware and tools, improved products hardware and tools. Discussions of why some products presented problems and why some products were taken off the market.

OSHA: Rules & Regulations of Workplace Safety and OSHA Compliance Flint, Michigan. On going

OSHA training and new rules.

COCM: Conference in Kalamazoo, Michigan. Flood Plain Management, Building Inspection After a Natural Disaster, Overview of Insulated Concrete Forms [ICF], Spray Applied Insulation, Fire Protection Systems, 2009 Changes to the MBC & 2009 Michigan Residential Code Update.

COCM Conference in Thompsonville, MI 10-12 to 14, 2011. Nonstructural Plan review of the International Building Code attended 8 hours of 12 provided. Non-structural plan review of the International Residential Code.

Training: EPA Certified Lead Renovator training & examination in Rochester Hills, MI. Certification as a lead renovator earned.

BIA: Seminar in West Bloomfield, Michigan 11-17-11. Michigan Lien Law presented by attorney Marty Burnstein.

MAHO: Seminar in East Lansing, Michigan January 19, 2012. Fire Safety & Inspection Techniques, Perspectives From Landlords and Common Plumbing & Mechanical Violations.

COCM: Conference in Lansing, Michigan. MIOSHA Focus Four: Fall Protection, Electrical Protection, Excavations and Asbestos/Lead. Michigan Plumbing Code Inspections.

PARADIGM: 811/911 emergency numbers, Miss Dig excavation and protection training session in Troy, Michigan, February 28, 2012. Including recognizing hazardous main pipelines and distribution line locations and depths presented by Paradigm Liaison Services, LLC.

MAHB: Michigan Association of Home Builders seminar in Okemos, Michigan March 29, 2012. MIOSHA presenters from Contractors and MIOSHA in Lansing, Michigan. Residential Fall Protection Solutions Forum.

MMIA: Seminar April 19, 2012 in Madison Heights, Michigan. All about HVAC duct sealing.

MIAM: Conference April 26, 2012 in Clare, Michigan. Alternative energy, all about supplies and return ducts, plan review [white box build out], inspector professionalism, mechanical code study and discussions, energy analysis.

COCM: Conference in Lansing, Michigan May 1, 2012. Meth awareness, wood trusses and factory tour, sealed attic system, accessibility, MRC flashing, non-structural plan review, performing construction in existing buildings [MRCEB, MBC & MRC], structural foundation, piers & carbon applications & dry basement science.

COCM: Conference in Lansing, Michigan September 18, 19, 20, 2012 in Thompsonville, Michigan. Structural steel fireproofing, IBC Fundamentals- structural & Fire stop, State of Michigan Irvin Poke.

IAEI: Annual Meeting in Detroit, Michigan December 6, 7, 2012. 1 & 2 Family Dwellings & electrical systems chapters 4, 5, 16, 8, 9, 10, 11, 6, 7, 12 & 13, NEC Article 51, Healthcare Facilities, Code Panel questions & answers.

SFPE: Seminar in Livonia, Michigan January 15, 2013. What's The Fire Code Got To Do With Us. Review of IFC and NFPA 13 & 101.

OSHA 2013: Seminar in Troy, Michigan April 18, 2013. OSHA changes update, understanding the legalese of OSHA, assessing potential hazards, written safety plan, how to pass an OSHA inspection recordkeeping & Workplace violence.

- COCM: Conference in Lansing, Michigan April 30-May 2, 2013. State of Michigan Performance Evaluation, Inspection-Special Requirements of the MBC, MIOSHA Top Serious Violations, Avoiding Exterior Envelope Failures, Radon 101, Structural Steel Erection, Concrete & Masonry & Soils.
- MAHO: Conference in Traverse City, Michigan June 12-14, 2013. Building Inspector and Property Manager interaction, Update of the International Property Maintenance Code & new plumbing & mechanical technology & industry updates.
- Industry Show: In Las Vegas, NV from February 4, 5, 6, 2014. Orlando, Florida January 12-16, 2011. NAHB trade show, demonstrations, and seminars on new products, hardware and tools, improved products hardware and tools. Discussions of why some products had problems and why some products were taken off the market.
- MAHO: Seminar in East Lansing, Michigan April 17, 2014. International Property Maintenance Code [IPMC] property inspector's guide to codes, forms and complaints.
- COCM: Conference Lansing, Michigan April 29 – May 1, 2014. Structural Engineering basic Training, Leadership on the Site [MIOSHA], Building Green, Wood truss inspections, Bracing & Field Problems.
- Joined: Southeast Michigan Building Officials & Inspectors Associations [SEMBOIA] in April 2014.
- MIAM: Conference May 7 & 8, 2014 in Clare, Michigan. CPVC Installation, Communications for Professionals, 2012 IFGC Design & Residential Plan Review, Refrigerants, Legal Aspects of the Code.
- MIAM: Conference October 16-17, 2014 in Clare, Michigan. Protecting your Assets as a code enforcer, Plan Review, Commercial, 2009 MUEC Updates, Home performance & Building Analysis, Hydronic Heating, MMC Chapter 12 & Code Study Round table & 2009 MUEC.
- MMIA: Seminar Warren, Michigan December 11, 2014 . Overview of PCVC Apps for Hydronic Heating & Process and CPVC materials.
- Industry Show: In Las Vegas, NV from January 2, 21 & 22, 2015. NAHB trade show, demonstrations, and seminars on new products, hardware and tools, improved products hardware and tools. Discussions of why some products had problems and why some products were taken off the market.
- MMIA: Seminar Warren, Michigan February 19, 2015. HVAC System Duct Design ASHRAE 90.1 & 62.1.
- SEMBOIA: Seminar in Troy, Michigan March 18, 2015. Special Concrete Inspections & Concepts and Designs of Attic Ventilation.
- MIAM: Conference in Clare, Michigan March 26-27, 2015. MMC 12, Chapter 5, Exhaust, Product Discussion, MMC 12, Chapter 4 Ventilation & Product Discussion, Ventilation.
- SEMBOIA: Seminar in Troy, Michigan September 16, 2015. IBC Mixed Occupancies and Inspection of Fire Resistant Floors, Ceilings and Roofs.
- MIAM/PIAM Joint Conference: Conference in Clare, Michigan September 17-18, 2015. MMC How to communicate Effectively, Commercial Plan Review, How to Administer Updated Codes and Complete Timely, Residential Plan Review and Designing High Pressure Gas

## Systems.

Industry Show: In Las Vegas, NV from January 19-21, 201. NAHB trade show, demonstrations, and seminars on new products, hardware and tools, improved products, hardware and tools. Discussions of why some products had problems and why some products were taken off the market.

COCM: Conference in Lansing, Michigan February 3-4, 2016. Behind the Wall Plumbing Secrets, NSF/ANSI 14 Plastic Pipe & Fittings & Testing & certification process, Anti-Scald Valves, Plumbing Code on Backflow, ACA Introduction & Training, Administration & Training, Accessibility.

MMIA: Seminar Warren, Michigan February 18, 2016. Residential Ventilation & Makeup Air & 2015 MRC Code Changes Concerning Whole House ventilation.

### SEMINAR

PRESENTER: AIA Provided seminar in Ann Arbor, Michigan March 15, 2016. History of the building codes, Current Michigan Building Codes, Barrier Free & ADA, OSHA & MIOSHA. The class included Architects, Engineers & Builders.

SEMINAR: In Novi, Michigan June 15, 2016. Continuous Load Path Based upon the 2015 IRC. Semboia sponsored class by Simpson Strong Tie.

SEMINAR: In Lansing, Michigan September 13, 2016. Mold & Moisture Control Class, sponsored by Len's Carpet Care & Restoration Services.

SEMBOIA: Seminar in Troy, Michigan March 15, 2017. Builder's Licensing Renewal Class & some 2015 Code changes. Don Pratt

MAHO Seminar in Lansing, Michigan 4-20-17. Electrical: Service wire drops, electrical hazards, proper electrical insulation, grounding/bonding, switched & receptacles, Fuses & circuit breakers, IPMC requirements & Cross cultural training by MSU

Ceramic Tile Counsel of North America: Seminar 4-25-17 in Livonia, Michigan. New and changing ceramic tiles, muds & grouts

Haneywood University & AIA:EDCO112017. Steel roofing online 2-27-18. Including, synopsis on wood, slate, copper, sheet iron, galvanized iron/steel.

COCM: Conference in Bay City, Michigan May 14-15, 2018. Code Applications for Nail, Glued & Cross Laminated Timber, Fastener/Anchor Systems Residential & Commercial Construction, Types of Occupancies, & Where Required.

IMI: IMI Conference in Lansing, Michigan May 16, 2018. What are Rainscreen Walls. Masonry Rainscreen Options & Solutions, The Devil is in the Details, What is Wrong with My Rainscreen Building? Masonry Repair & Restoration of Early 20<sup>th</sup> Century Transitional Masonry Buildings?

SEMBOIA Conference October 17, 2018 in Madison Heights, MI Limits of Authority & Appeals [Code issues] & Usual Lawful Occupancy.

MAHO Seminar in Lansing, Michigan 10-18-18. Identity Theft & Home repair Scams & Be Aware of Your Safety

SEMBOIA Conference May 15, 2019 in Madison Heights, MI. Special inspections including steel, concrete, masonry, soils.

SEMBOIA Conference September 18, 2019 in Madison Heights, MI. What proof is required for education credits, what is being done to promote plan reviews & inspections, what is the jurisdictions responsibility for mobile home installations plus answers for many more questions.

SEMBOIA Conference November 20, 2019 in Madison Heights, MI. Myths, Legends & Misconceptions of the Code including, Fire Stopping, Draft Stopping & Fire Blocking & Means of Egress.

SEMBOIA Conference December-18-2019 SEMBOIA 2015 IBC Special Building Types & Features.

SIMPSON: 6-4-20 On-Line AIA course Exterior & Interior Doors and the Battle Against Moisture

COCM: Conference in Bay City, Michigan May 10-12, 202. Understanding the 2015 MUEC & Chapter 11 of MBC, Building Science for the Building Official, Sizing Plumbing facilities UL325 Gate & Door Operators, Building Codes 101/102, Legislative Advocacy, Poly-Urethane Foam Insulation.