

67th Annual Institute for
Building Officials

Wednesday, January 18, 2023		Thursday, January 19, 2023	
Electrical			
7:30-8:00	Registration - Carriage Hall A		
8:00-9:45	NEC 2023 Significant Changes <i>Chuck Mello, IAEI</i>	Energy Storage Systems (ESS) <i>Brian Baughman, Generac Power Systems</i>	
9:45-10:00	Break		
10:00-11:45	NEC 2023 Significant Changes <i>Chuck Mello, IAEI</i>	Article 726: Class 4 (CL4) Power Systems <i>Kenneth McKinney, Underwriters Laboratories</i>	
11:45-12:30	Lunch - Carriage Hall B		
12:30-2:15	NEC 2023 Significant Changes <i>Chuck Mello, IAEI</i>	Article 555: Marinas & Article 680: Swimming Pools <i>Jeff Fecteau, Underwriters Laboratories and Dean Hunter, MN Department of Labor and Industry</i>	
2:15-2:30	Break		
2:30-4:00	NEC 2023 Significant Changes <i>Chuck Mello, IAEI</i>	NEC Code Panel <i>Derrick Atkins, Dan Neeser, Dean Hunter, Kenneth McKinney, Jeff Fecteau, and Brian Baughman</i>	
4:00	Adjourn		

Participants are required to stay for the entire day to receive full credit. Partial credit will not be given. Attendees should bring the new plumbing code book to both days of plumbing sessions. Code books will not be provided or available for purchase.

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Wednesday, January 18, 2023		Thursday, January 19, 2023	
Plumbing			
7:30-8:00	Registration - Garden City		
8:00-9:45	Basic Plumbing Principles <i>Tom Eisert, MN Department of Labor and Industry</i>	2020 Minnesota Plumbing Code DWV and Water Distribution Pipe Sizing Review <i>Randy Lorge, IAPMO</i>	
9:45-10:00	Break		
10:00-11:45	Basic Plumbing Principles <i>Tom Eisert, MN Department of Labor and Industry</i>	2020 Minnesota Plumbing Code DWV and Water Distribution Pipe Sizing Review <i>Randy Lorge, IAPMO</i>	
11:45-12:30	Lunch - Harvest A/B		
12:30-2:15	Plumbing Code Round Table <i>Tom Eisert, MN Department of Labor and Industry</i>	2020 Minnesota Plumbing Code DWV and Water Distribution Pipe Sizing Review <i>Randy Lorge, IAPMO</i>	
2:15-2:30	Break		
2:30-4:00	Plumbing Code Round Table <i>Tom Eisert, MN Department of Labor and Industry</i>	2020 Minnesota Plumbing Code DWV and Water Distribution Pipe Sizing Review <i>Randy Lorge, IAPMO</i>	
4:00	Adjourn		

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67th Annual Institute for
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Monday, January 23, 2023

7:00-8:00	Registration				
8:00-9:30	State of the State - Carriage Hall A 50 Years of the State Building Code - Past, Present, and Future <i>Scott McLellan</i> , Minnesota Department of Labor and Industry				
9:30-9:45	Break				
	Building			Building/Permit Technicians	Mechanical
	Carriage Hall B	Garden City	Tack	Carriage Hall B	Harvest A/B
9:45-11:15	Residential Building Contractor Licensing and Enforcement <i>Sean O'Neil</i> , MN Department of Labor and Industry	Protecting Penetrations Based on the IBC <i>Rich Walke</i> , Creative Technology Inc.	Building Code Administration Minnesota Building Code—Chapter 1300 Administration <i>Rick Breezee</i>	Residential Building Contractor Licensing and Enforcement <i>Sean O'Neil</i> , MN Department of Labor and Industry	Carbon Monoxide Incidents and Investigations <i>Matthew Wilber and Andrew Thielen</i> , ESI
11:15-12:15	Lunch - Carriage Hall A				
	Building			Permit Technicians	Mechanical
	Carriage Hall B	Garden City	Tack	Captain's	Harvest A/B
12:15-1:45	2020 Minnesota Residential Code Q&A <i>Richard Lockrem</i> , Department of Labor and Industry	Protecting Penetrations Based on the IBC <i>Rich Walke</i> , Creative Technology Inc.	Building Code Administration Minnesota Building Code—Chapter 1300 Administration <i>Rick Breezee</i>	Panel: Permits, Inspection, and Beyond—Roundtable <i>Dennis Schilling, Emily Schmitz, Kimberlee Blaeser</i>	Building Failures Reviewing Heating and Cooling Load Calculations <i>Andrew Rynda and Andrew Thielen</i> , ESI
1:45-2:00	Break				
2:00-3:30	2020 Minnesota Residential Code Q&A <i>Richard Lockrem</i> , Department of Labor and Industry	Protecting Penetrations Based on the IBC <i>Rich Walke</i> , Creative Technology Inc.	Building Code Administration Minnesota Building Code—Chapter 1300 Administration <i>Rick Breezee</i>	Panel: Permits, Inspection, and Beyond—Roundtable <i>Dennis Schilling, Emily Schmitz, Kimberlee Blaeser</i>	Building Failures When Building Codes Aren't Followed <i>Kyle Faircloth and Andrew Thielen</i> , ESI
3:30	Adjourn				

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67th Annual Institute for
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Tuesday, January 24, 2023

		Building		Mechanical
7:30-8:00	Registration			
	Carriage Hall B	Garden City	Tack	Harvest A/B
8:00-9:30	Protecting Joints and Voids Based on the International Building Code <i>Rich Walke, Creative Technology Inc.</i>	IRC Foundation Inspection Basics <i>Craig Oswell, Oswell Engineering and Consulting, LLC</i>	The Inspectors Toolbox—Legal Aspects <i>Therese Skarda, Saint Paul Office of the City Attorney</i>	VRF Design and Installation + Indoor Environmental Quality Considerations <i>Joey Beisbier, Ryan Goss, Mike Patterson, Nick Willing, Trane</i>
9:30-9:45	Break			
9:45-11:15	Protecting Joints and Voids Based on the International Building Code <i>Rich Walke, Creative Technology Inc.</i>	IRC Foundation Inspection Basics <i>Craig Oswell, Oswell Engineering and Consulting, LLC</i>	The Inspectors Toolbox—Legal Aspects <i>Therese Skarda, Saint Paul Office of the City Attorney</i>	VRF Design and Installation + Indoor Environmental Quality Considerations <i>Joey Beisbier, Ryan Goss, Mike Patterson, Nick Willing, Trane</i>
11:15-12:15	Lunch - Carriage Hall A			
12:15-1:45	Protecting Joints and Voids Based on the International Building Code <i>Rich Walke, Creative Technology Inc.</i>	Evaluation of Concrete Post Placement <i>Alf Gardiner</i>	ICFs: Stronger and More Efficient Buildings <i>Darin Dietz</i>	VRF Design and Installation + Indoor Environmental Quality Considerations <i>Joey Beisbier, Ryan Goss, Mike Patterson, Nick Willing, Trane</i>
1:45-2:00	Break			
2:00-3:30	Protecting Joints and Voids Based on the International Building Code <i>Rich Walke, Creative Technology Inc.</i>	Evaluation and Understanding the Risks of Soil when a Geotechnical Evaluation Was Not Performed <i>Chris Kehl</i>	ICFs: Stronger and More Efficient Buildings <i>Darin Dietz</i>	VRF Design and Installation + Indoor Environmental Quality Considerations <i>Joey Beisbier, Ryan Goss, Mike Patterson, Nick Willing, Trane</i>
3:30	Adjourn			

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67th Annual Institute for
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Wednesday, January 25, 2023				
Building				Mechanical
7:30-8:00	Registration			
	Carriage Hall B	Garden City	Tack	Harvest A/B
8:00-9:30	Open Discussion of Field Inspection Photos <i>Ryan Smith, City of Columbia Heights</i>	**2018 IBC Building Classification <i>Doug Thornburg, ICC</i>	2020 MN Accessibility Code: Back to the Basics <i>Karen Gridley, Department of Labor and Industry</i>	Protecting Duct and Air Transfer Openings <i>Rich Walke, Creative Technology Inc.</i>
9:30-9:45	Break			
9:45-11:15	Open Discussion of Field Inspection Photos <i>Ryan Smith, City of Columbia Heights</i>	**2018 IBC Building Classification <i>Doug Thornburg, ICC</i>	2020 MN Accessibility Code: Back to the Basics <i>Karen Gridley, Department of Labor and Industry</i>	Protecting Duct and Air Transfer Openings <i>Rich Walke, Creative Technology Inc.</i>
11:15-12:15	Lunch			
12:15-1:45	Commercial Roofing 101 <i>Doug Latawiec, Beacon Building Products</i>	**2018 IBC Building Classification <i>Doug Thornburg, ICC</i>	Sunrooms and Garages: Understanding Minnesota's Energy Code Provisions <i>Steve Shold, Department of Labor and Industry</i>	Protecting Duct and Air Transfer Openings <i>Rich Walke, Creative Technology Inc.</i>
1:45-2:00	Break			
2:00-3:30	Commercial Roofing 101 <i>Doug Latawiec, Beacon Building Products</i>	**2018 IBC Building Classification <i>Doug Thornburg, ICC</i>	Sunrooms and Garages: Understanding Minnesota's Energy Code Provisions <i>Steve Shold, Department of Labor and Industry</i>	Protecting Duct and Air Transfer Openings <i>Rich Walke, Creative Technology Inc.</i>
3:30	Adjourn			

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67th Annual Institute for
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Thursday, January 26, 2023			
Building			
7:30-8:00	Registration		
	Captain's	Carriage Hall B	Harvest A/B
8:00-9:30	ICC 500 Storm Shelter Peer Reviews and Structural Observations <i>Scott Holm, Braun Intertec</i>	**2018 IBC Apartment Buildings <i>John Gibson, ICC</i>	Should It Be Labeled? Safety Glazing Hazardous Locations <i>Russell Thornburg, Thornburg Code Services</i>
9:30-9:45	Break		
9:45-11:15	ICC 500 Storm Shelter Peer Reviews and Structural Observations <i>Scott Holm, Braun Intertec</i>	**2018 IBC Apartment Buildings <i>John Gibson, ICC</i>	Should It Be Labeled? Safety Glazing Hazardous Locations <i>Russell Thornburg, Thornburg Code Services</i>
11:15-12:15	Lunch		
12:15-1:45	Basic Firestop Installation and Inspection <i>Pat Paulson, Michel Sales Agency</i>	**2018 IBC Apartment Buildings <i>John Gibson, ICC</i>	Should It Be Labeled? Safety Glazing Hazardous Locations <i>Russell Thornburg, Thornburg Code Services</i>
1:45-2:00	Break		
2:00-3:30	Basic Firestop Installation and Inspection <i>Pat Paulson, Michel Sales Agency</i>	**2018 IBC Apartment Buildings <i>John Gibson, ICC</i>	Should It Be Labeled? Safety Glazing Hazardous Locations <i>Russell Thornburg, Thornburg Code Services</i>
3:30	Adjourn		

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67th Annual Institute for
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Friday, January 27, 2023

Building

7:30-8:00	Registration		
	Captain's	Carriage Hall B	Harvest A/B
8:00-9:30	**On-Site Septic Systems Type III Systems <i>Sara Heger, Univeristy of Minnesota and Steve Oscarson, Minnesota Pollution Control Agency</i>	A Systematic Approach to Field Inspections <i>Greg Karow, Code Educational Opportunities</i>	An Overview of the Minnesota Residential Energy Code Provisions <i>Peter Kulczyk, City of Champlin</i>
9:30-9:45	Break		
9:45-11:15	**On-Site Septic Systems MPCA SSTS Program Overview <i>Steve Oscarson, Minnesota Pollution Control Agency</i>	A Systematic Approach to Field Inspections <i>Greg Karow, Code Educational Opportunities</i>	An Overview of the Minnesota Residential Energy Code Provisions <i>Peter Kulczyk, City of Champlin</i>
11:15-12:15	Lunch		
12:15-1:45	**On-Site Septic Systems Challenging Commercial and Non-Residential Waste <i>Sara Heger, Univeristy of Minnesota</i>	A Systematic Approach to Field Inspections <i>Greg Karow, Code Educational Opportunities</i>	Practical Commercial Energy Code Compliance & Review Issues <i>Russ Landry, Center for Energy and Environment, MN</i>
1:45-2:00	Break		
2:00-3:30	**On-Site Septic Systems Building Sewers and Septic Tanks <i>Sara Heger, Univeristy of Minnesota</i>	A Systematic Approach to Field Inspections <i>Greg Karow, Code Educational Opportunities</i>	Practical Commercial Energy Code Compliance & Review Issues <i>Russ Landry, Center for Energy and Environment, MN</i>
3:30	Adjourn		

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67th Annual Institute for
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	Wednesday, February 1, 2023	Thursday, February 2, 2023
	Elevator	
7:30-8:00	Registration - Garden City	
8:00-9:45	Practical Application of NEC Chapters 1 & 2 to the Elevator Industry <i>Scott Russell, QEITF Work Preservation</i>	Practical Application of NEC Chapters 3 & 4 to the Elevator Industry <i>Jimmy Demmel, QEITF Work Preservation</i>
9:45-10:00	Break	
10:00-11:45	A117.1 and Accessibility <i>Chip Hallmark, QEITF Work Preservation</i>	ASME B20.1-2015 <i>Don Winkle, QEITF Work Preservation</i>
11:45-12:30	Lunch - Harvest A/B	
12:30-2:15	Alteration Process Part 1 <i>Eric Rogers, QEITF Work Preservation</i>	Certification of Equipment Review and Enforcement <i>Matt Rusch, QEITF Work Preservation</i>
2:15-2:30	Break	
2:30-4:00	Alteration Process Part 2 <i>Jason Gray, QEITF Work Preservation</i>	Alteration Process <i>Mike Morand, QEITF Work Preservation</i>
4:00	Adjourn	

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Planning Committee

*Chair **Vice-Chair

Building Subcommittee

Michael Grannes, City of Eagan
David Hoban, City of Minneapolis
Brandon Holmes, Lino Lakes, MN
Greg Karow, Code of Educational Opportunities
Joel McPherson, Building Inspector
Chad Payment, MN Department of Labor & Industry
Andy Schreder, Rum River Construction Consultants
****Ryan Smith**, City of Columbia Heights
***Eric Tessman**, City of Chanhassen
Clint Zane, City of Saint Paul

Electrical Subcommittee

Dean Hunter, MN Department of Labor & Industry
Marty Kumm, MN Department of Labor & Industry
***Dan Moynihan**, City of Saint Paul
****Trevor Turek**, Minneapolis Electrical JATC
John Williamson, MN Department of Labor & Industry

Elevator Subcommittee

***Larry Fogleson**, MN Department of Labor & Industry
Todd King, VDA
****Jill Peterson**, MN Department of Labor & Industry
Timothy Warren, VDA

Mechanical Subcommittee

Tim Daugherty, City of Minneapolis
Jared Ellingson, University of Minnesota
****Mario Salute**, City of Saint Paul
***Andy Woitel**, City of Minneapolis

Permit Tech Subcommittee

Christina Bass, Rum River Construction Consultants
****Molly Strauss**, Goodhue County
***Grace Walmsley**, City of Cottage Grove

Plumbing Subcommittee

Thomas Eisert, MN Department of Labor & Industry
****David Skallet**, City of Saint Louis Park
***Kara Topper**, MN Department of Labor & Industry

University of Minnesota Coordinators

Rhonda Stromberg, Program Director
Erik Ortega-Marquez, Program Associate

Heritage Center



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