							Safety &					
Item	21 ICC Code	24 ICC Code	15 MN Code	Code Section Heading/	Current MN Amendment?	Description of change(s) to code language	Health	Cost	Staff Recommendation:	21 TAG Recommend:	24 TAG Recommend:	Comments:
Number				Code Topic		Description of change(s) to code language	Value?	Impact?	Accept/Amend/Delete	Accept/Amend	Accept/Amend	Comments.
					Y or N		N - None	e, L - Low				
1322-01	MR 1322.0010 Subp 1			General.	Y	Update reference to 2024 IECC, note sections 1101.6 through 1113.1.1 as opposed to chapters 2-5.			AM - Update reference to 2024.			
1322-02	MR 1322.0010 Subp 2			Mandatory chapters.	Y	Update reference to 2024 IECC, note sections 1101.6 through 1113.1.1 as opposed to chapters 2-5.			AM - Update reference to 2024.			
1322-03	MR 1322.0010 Subp 3			Replacement chapters.	Υ				A - Adopt as written			
1322-04	MR 1322.0015 Subp 1			Administration.	Y				A - Adopt as written			
1322-05	MR 1322.0015 Subp 2			Purpose.	Y				A - Adopt as written			
1322-06	MR 1322.0030 Subp 1			Generally.	Y				A - Adopt as written			
1322-07	MR 1322.0030 Subp 2			Building code.	Y				A - Adopt as written			
1322-08	MR 1322.0030 Subp 3			Residential code.	Υ				A - Adopt as written			
1322-09	MR 1322.0030 Subp 4			Electrical code.	Y				A - Adopt as written			
1322-10	MR 1322.0030 Subp 5			Fuel gas code.	Y				A - Adopt as written			
1322-11	MR 1322.0030 Subp 6			Mechanical code.	Y				A - Adopt as written			
1322-12	MR 1322.0030 Subp 7			Plumbing code.	Y				A - Adopt as written			
1322-13	MR 1322.0030 Subp 8			Private sewage disposal code.	Y				A - Adopt as written			
1322-14	MR 1322.0030 Subp 9			Energy conservation code.	Υ				A - Adopt as written			
1322-15	MR 1322.0030 Subp 10			Property maintenance code.	Y				A - Adopt as written			
1322-16	MR 1322.0030 Subp 11			Accessibility code.	Y				A - Adopt as written			
1322-17	MR 1322.0040			Administrative procedure criteria.	Y				A - Adopt as written			
1322-18	MR 1322.0100 Subp 1			Administration.	Y				A - Adopt as written			

1322-19 MR Scope. Change to: This code applies to residential buildings and associated systems and equipment as defined in the Residential Provisions of the (code year and code books?). Subp 2 Submitted - RE-1) Prints code applies to residential buildings and associated systems and equipment as defined in the Residential Provisions of the (code year and code books?). Consider repealing this altogether in favor of language in IECC "PMOL1 Stopes." Also could amend here to add reference to accessory buildings, which are presently difficult to track. Do we need reference to the code year and code books in the society of the definition for "Residential Buildings" is changed per CCP RE-15, RE-1s likely not necessary. NA	
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1322-24 MR Mixed See also Section C101.4.1 in 2021 IECC-C for similar model code occupancy. AM - 1322-25 MR Compliance. Y A - Adopt as written	
1322.0100 Occupancy. Y language. Might not be needed. AM -	
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Subp 3D Compliance. 1322-25 MR 1322.0100 Y	
1322-25 MR Compliance. Y A - Adopt as written	
1322.0100 Y A - Adopt as written	
ISubp 4	
1322-26 MR Compliance Compliance	
1322.0100 materials. Y A - Adopt as written	
Subp 4A	
1322-27 MR Low energy Contain is nearly the same language in the IECC-R under	
1322.0100 buildings. Y Section R402.1. Also see proposed CCP RE-34 Repeal MN amendment.	
Subp 4B	
1322-28 MR R103.2 Construction This section is nearly the same as section R103.2 with slight	
1322.0103 R103.2.1 documents. variation. "Energy compliance path" is added. Two items in	
the MN amendment are not in the IECC text: "Fan motor	
horsepower and controls" and "Lighting fixture schedule with	
Y wattage and control narrative". These two items have little to Repeal MN amendment.	
no application to Residential and are not needed.	
Suggest using the unamended model code language of R103.2	
& R103.2.1 rather than the amended MN language.	
Section 1	
P101 2/P20	
1.1 1101.1 Scope.	
R101.5.1 1101.3 Compliance	
materials.	
Above code	
R102.1.1 1101.4 Programs.	
Information on	
1101.5 construction	
documents.	

	1	1	1							
				Building thermal						
		1101.5.1		envelope						
				depiction.						
		1101.5.2		Solar-ready						
				system.						
		1101.6		Defined terms.						
202-1	R202		R202	Definition:		Definitions are identical across codes, skip.				
				Above-grade		"A wall more than 50 percent above grade and enclosing				
				wall	N	conditioned space. This includes between-floor spandrels,	A - Adopt as written	А		
					14	peripheral edges of floors, roof and basement knee walls,	A - Adopt as written	^		
						dormer walls, gable end walls, walls enclosing a mansard roof				
						and skylight shafts."				
202-2	R202		NA	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021				
				Definition:		IECC.				
				Accessible	Υ	"Signifies access that requires the removal of an access panel	Recommend to Repeal.	R		
						or similar removeable obstruction."				
202-3	R202		NA	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021				
202-3	11202		INA.	Definition:		IECC.				
				Accessible,	Υ	"Signifies access without the necessity for remvoing a panel or	Recommend to Repeal.	Α		
				Readily		signifies access without the necessity for removing a paner of similar obstruction."				
202.4	2202		D202	•						B. C. W do dd t. in do . d
202-4	R202		R202	Definition:		New definition - does not exist in the 2015 MRE.				Definitions should not include
				Access (to)		"That which enables a device, appliance or equipment to be				the word they are defining.
					N	reached by ready access or by a means that first requires the		Α		"Ready Access" is also a
						removal or movement of a panel or similar obstruction."		• •		defined term which does not
										include the word "access."
202-5	R202		R202	Definition:		Definition is in the 2015 MRE as model code language, but				We may be coming back to
				Addition		the language has been updated in the 2021 IECC.				this regarding addition as a
					.,	"An extension or increase in the conditioned space floor area,				change from unconditioned
					N	number of stories or height of a building or structure."		А		space to conditioned space.
										Especially with Residential
										and Multi -family
	N1101.6		N1101.6	Definition:		2024 Changed language. ADDITION. An extension or increase				,
				Addition	N	in the conditioned space floor area, number of stories or	A - Adopt as written			
				714411011		height of a building or structure .	7 7 Mao Pe ao Militera			
202-6	R202		R202	Definition: Air		Definition is in the 2015 MRE as model code language, but				
202-0	11202		11202	barrier		the language has been updated in the 2021 IECC. "One or				
				Darrier	N	l	A Adamb as			
					IN	more materials joined together in a continuous manner to	A - Adopt as written	А		
						restrict or prevent the passage of air through the building				
						thermal envelope and its assemblies."				
202-7	R202		NA	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021				Table and consider removing
				Definition:	Υ	IECC.		Α		after review of 403
				Air circulation,	•	"A means of providing space conditioning using movement of		.,		
				forced		air through ducts or plenums by mechanical means."				
	N1101.6		N1101.6	MN Amended		Definition is in MRE as a MN Amendment, not located in IRC				
				Definition:	Υ	chapter 11	Repeal		Bonool	
				Air circulation,		"A means of providing space conditioning using movement of	кереаі		Repeal	
				forced		air through ducts or plenums by mechanical means."				
202-8	R202		NA	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021				
				Definition:		IECC.				
				Air, exhaust	Υ	"Air discharged from any space to the outside by the residential		Repeal		
				,		ventilation system."				
	N1101.6		N1101.6	MN Amended		Definition is in MRE as a MN Amendment, not located in IRC				
	141101.0		11101.0	Definition:		Chapter 11				
				Air, exhaust		"Air discharged from any space to the outside by the residential	Repeal		Repeal	
				Air, exilaust		ventilation system."				
						ventuation system.				

Definition: All part of the state is taken from the external atmosphere, and therefore not previously circulated through the HVMZ system of the conditioned growth of the growth of the conditioned growth of the conditioned growth of the conditioned growth of the conditioned growth of the growth of th	02.0	n I	la.a	and a second of	1	D. C. W. S. S. BADE BANK A	1				and the Male
All, container All, container All, container All, container All, container All, container All 101.6 All All All All All All All All All Al	02-9 R20	12	NA	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021					unamended in MN
therefore not previously circulated bit rough the HVAC system of the conditioned space." N1101.6 N1101.5 NN Amended Obelishios: Chapter 11. The air that is best from the external attempoters, and chapter 11. The air that is best from the external attempoters, and chapter 11. The air that is best from the external attempoters, and chapter 11. The air that is best from the external attempoters, and chapter 11. The air that is best from the external attempoters, and chapter 11. The air that is best from the external attempoters, and chapter 11. The air that is best from the external attempoters, and chapters are considered in a constitution of the conditioning above." Note 10. All Amended Obelishios: Chapter 12. All Amended Obelishios: Chapter 13. All Amended Obelishios: Chapter 13. All Amended Obelishios: Chapter 14. All Amended Obelishios: Chapter 14. All Amended Obelishios: Chapter 15. All Chapter 15. All Chapter 1					v				A B 4		Mechanical code. Consider defining outside as outdoor,
or the conditioned space." National Committees National Commi				Air, outdoor	Y				AIVI		beyond the building
N1101.6 Nil MA Amended Oefinition: Is MAR as a MMA Amended in IRC Chapter 11. The air that is taken from the external strosphere, and the reference on previously circulated through the NIAC system of the conditional space." NA MM Amended Oefinition is MAR as a MMA Amendment, not located in 2021 (ECC. Amendment in the conditional space in the condition in MEE as MM Amendment in MEE											envelope.
Definition: Air, outdoor The air that is taken from the external atmosphere, and benefore not previously circulated through the HVAC system or the conditionals aspect." NAM A MA Amended Official Control of the conditional space." Name of the conditional of t	N1	101.6	N1101 6	MN Amended		·					епчеторе.
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Company Comp				,		· · · · · · · · · · · · · · · · · · ·					
National Control National Control											
Arrangement of the provided in	02-10 R2C)2	NA	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021					Includes HRV's and ERV's.
and supply, cohast, and return air systems and includes any apparatus installed in connection with the system. National				Definition:		IECC.					Will include definition of
and supply, exhusts, and return-in system and includes any apparatus installed in connection with the system. N1101.6 N1101.5 NN Amended Definition: AIr- conditioning and supply, exhusts, and return-air systems and includes any apparatus installed in connection with the system. N1101.6 N1101.5 Definition: AIr- conditioning and supply, exhusts, and return-air systems and includes any apparatus installed in connection with the system. N1101.6 N1101.6 Definition: N1101.6 Definition: AIr- and supply, exhusts, and return-air systems and includes any apparatus installed in connection with the system. N1101.6 N1101.6 Definition: N1101.6 Definition: N N New Definition is inte 2015 NRE as model code language, but the language has been updated in the 2011 REC. 'Any construction or renouncies granticute other than repair or addition that requires a permit. Also, a change in a mechanical system that includes and installation that requires a permit. N N Amended Offinition: Approved NA MN Amended Offinition: Approved Approved N R202 Definition: Approved Ap				Air-	v	"A system that consists of heat exchangers, blowers, filters,			Dannel		ventilation. Model
N1101.6 N1101.6 N1101.6 Definition: IECC. Air-conditioning supply, exhaust, and return air systems and includes any apparatus installed in connection with the systems and includes any apparatus installed in connection with the systems and includes any apparatus installed in connection with the systems and includes any apparatus installed in connection with the systems and includes any apparatus installed in connection with the systems and includes any apparatus installed in connection with the systems and includes any apparatus installed in connection with the systems and includes any apparatus installed in connection with the systems and includes any apparatus installed in connection with the systems and includes any apparatus installed in connection with the systems and includes any apparatus in the purpose of distributing supply air in the apparatus in the systems and includes an extension, addition or change to the arrancement, type or purpose of the original installation that requires a permit. Also, a change in a mechanical system that includes an extension, addition or change to the arrancement, type or purpose of the original installation that requires a permit. Also, a change in a mechanical system that includes an extension, addition or change to the arrancement, type or purpose of the original installation that requires a permit. Also, a change in a set and the system in the 2021 ECC. Approved Appr				conditioning	Y	and supply, exhuast, and return-air systems and includes any			кереаі		mechancial code. Will need a
N1101.6 MN Amended Definition: ISC. Air - (A system that consists of heat each appears, blowers, filters, conditioning system and supply, exhaust, and return-air systems and includes any apparatus installed in connection with the system." N1101.6 N1101.6 Definition: All - N110				system		apparatus installed in connection with the system."					robust conversation regarding
Definition: Ali- conditioning system N1101.6 New Definition: IRC Chapter 11: AIR-HANDLING UNIT. A blower or fan used for the purpose of distributing supply air N to a room, space or area N to a room, space or area N the regain or addition that requires a permet. N the repair or addition that requires a permet. N the repair or addition that requires a permet. N to a room, the purpose of the original installation that requires a permet. N to repair or addition that requires a permet. N to repair or addition that requires a permet. N to repair or addition that requires a permet. N to repair or addition that requires a permet. N to repair or addition and that requires a permet. N to repair or addition and that requires a permet. N to repair or addition and that requires a permet. N to repair or addition are cepted principles; computer simulations, research reports, or testing performed by either a licensed engineer or by a locally or nationally recognized resting laboratory. N engaged in conducting tests or furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official. N engaged in conducting tests or furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official. N some impressonal influence, as, for example, a change in A - Adopt as written A - Adopt A - Adopt A - Adopt A - Adopt as written A - Adopt A - Adopt as written A - Adopt as written A - Adopt as written A - Adopt as wri											ventilation.
Air- conditioning system N1101.6 N110	N11	101.6	N1101.6			Definition is in MRE as a MN Amendment, not located in 2021					
Conditioning System Syst											
System Spoaratus installed in connector with the system."						"A system that consists of heat exchangers, blowers, filters,		Repeal		Repeal	
N1101.6 N1301.6 Definition: Air handling unit N blower or fan used for the purpose of distributing supply air to a room, space or area. NA Definition: Alteration Alteration Alteration N N Definition is in the 2015 MRE as model code language, but the language has been updated in the 2021 IECC. "Any construction or renovation to an existing structure other than repair or addition that requires a permit." Also, a change in a mechanical system that involves an extension, addition or change to the arrancement, type				conditioning		and supply, exhuast, and return-air systems and includes any					
bandling unit N blower or fan used for the purpose of distributing supply air to a room, space or area. 202-11 R202 NA Definition: Alteration											
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Definition: Alteration Alteration NA Definition: Alteration Alteration National Definition: Alteration National Definition: Alteration National Definition: No Definition: No Definition is in the 2015 MRE as model code language, but the language has been updated in the 2021 EVCC. "Any construction or renovation to an existing structure other than repair or addition that requires a permit." National Definition: No Definition: Approved National Definition: No Definition: Approved No Definition in the 2015 MRE. National Definition: No Definition: Approved No Definition: No No Some imprevals in MRE & IECC. No Definition: No Definition: No				handling unit	N			A -Adopt as written		Repeal	
Alteration Alteration or enavation as existing the activation or enablising as extension, addition or change or purpose of the original installation or change or purpose of the original installation that requires a permit. Alteration or enavation, addition or change or purpose of the original installation that requires a permit. Alteration or enavation, addition or change or purpose of the original installation that requires a permit. Alteration or activates a permit. Alteration or activa											
"Any construction or renovation to an existing structure other than repair or addition that requires a permit. Also, a change in a menchanical system that involves an extension, addition or change to the arrancement, type or purpose of the original installation that requires a permit." 202-12 R202 NA MN Amended Definition: Approved Approved Approved R202 Pefinition: Approved A	02-11 R20)2	NA								
N than repair or addition that requires a permit. Also, a change in a mechanical system that involves an extension, addition or change to the arrancement, type or purpose of the original installation that requires a permit." 202-12 R202 NA MN Amended Definition: Approved Papproved Pap				Alteration		·					
N than repair of addition that requires a permit. Also, a change in a mechanical system that involves an extension, addition or change to the arrancement, type or purpose of the original installation that requires a permit. R202 NA MN Amendmed Definition: Approved NA Approved NA MN Amendment. Approved "means approval by the building official, pursuant to the State Building Code, by reason of: inspection, investigation, or testing, accepted principles; computer simulations; research ports; or testing performed by either a licensed engineer or by a locally or nationally recognized testing laboratory." New definition: Approved R202 Definition: Approved Agency N engaged in conducting tests or furnishing inspection services, or furnishing inspection services, or furnishing inspection services, or furnishing rows, where such agency has been approved by the code official." Approved Source Paperoved Approved Source Definition: Automatic N some impersonal influence, as, for example, a change in A - Adopt as written						•		A - Adopt '24 language (same	Amend to match		
In a mechanical system that in throwes an extension, addition or change to the arrancement, type or purpose of the original installation that requires a permit." 202-12 R202 NA MN Amended Definition: Amendement. Term is in both codes but definition in MRE is a MN Amendment. "Approved" means approval by the building official, pursuant to the State Building Code, by reason of: inspection, investigation, or testing, accepted principles; computer simulations; research reports; or testing performed by either a licensed engineer or by a locally or nationally recognized testing laborator." 202-13 R202 R202 Definition: New definition - does not exist in the 2015 MRE. "An established and recognized agency that is regularly engaged in conducting ests or furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." A - Adopt as written A A - Adopt Adopt					N						
Installation that requires a permit."								,			
R202 NA MN Amended Definition: Approved Proved Provided P											
Definition: Approved Amendment. "Approved" means approval by the building official, pursuant to the State Building Code, by reason of: inspection, investigation, or testing; accepted principles; computer simulations; research reports; or testing performed by either a licensed engineer or by a locally or nationally recognized testing laboratory." New definition - does not exist in the 2015 MRE. Approved Agency N engaged in conducting tests or furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Approved Source Appr	22.12										
Approved Approved Wapproved' means approval by the building official, pursuant to the State Building Code, by reason of: inspection, investigation, or testing; accepted principles; computer simulations; research reports; or testing performed by either a licensed engineer or by a locally or nationally recognized testing laboratory." R202 Definition: Approved Agency N engaged in conducting tests or furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Approved Source R202 Definition: Approved Agency Definition: Approved Source Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in A - Adopt as written	02-12 R20	02	NA								
to the State Building Code, by reason of: inspection, investigation, or testing; accepted principles; computer simulations; research reports; or testing performed by either a licensed engineer or by a locally or nationally recognized testing laboratory." Repeal											
Page				Approved							
simulations; research reports; or testing performed by either a licensed engineer or by a locally or nationally recognized testing laboratory." R202 Definition: Approved Approved Agency N engaged in conducting tests or furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Approved Source R202 R202 Definition: Approved Source R202 R202 Definition: Automatic Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in A - Adopt as written					Υ				Repeal		
Comparison of the content of the c											
testing laboratory." 202-13 R202 Definition: Approved Agency New definition - does not exist in the 2015 MRE. Approved Agency New definition - does not exist in the 2015 MRE. A- Adopt as written A A- Adopt A- A											
R202 Definition: Approved Agency N engaged in conducting tests or furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Approved Source R202 R202 Definition: Automatic N Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in A - Adopt as written											
Approved Agency N "An established and recognized agency that is regularly engaged in conducting tests or furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." A- Adopt Adopt A- Adopt Adopt A- Adopt A- Adopt A- Adopt A- Adopt A- Adopt A- Adopt A- Adopt A- Adopt A- Adopt A- Adopt	02.12	12	P202	Definition:							
Agency N engaged in conducting tests or furnishing inspection services, or furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Approved Source 202-14 R202 R202 Definition: Automatic Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in A - Adopt as written A No	J2-13 K20	12	NZUZ								
or furnishing product certifications, where such agency has been approved by the code official." Approved Source 202-14 R202 R202 Definition: Definitions are identical in MRE & IECC. Automatic Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in A - Adopt as written A No					N			Δ - Adont as written	Δ		
Seen approved by the code official." Approved Source A-Adopt A-Adopt A-Adopt				7.60.107	.,			A Adopt as written	^		
Approved Source R202 R202 Definition: Automatic Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in A - Adopt as written A No											
Source A-Adopt Adopt R202 R202 Definition: Automatic Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in A-Adopt as written A No				Approved							
R202 R202 Definition: Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in A - Adopt as written A No								A - Adopt		Adopt	
Automatic Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in A - Adopt as written A No	02-14 R20)2	R202	Definition:		Definitions are identical in MRE & IECC.					
N some impersonal influence, as, for example, a change in A - Adopt as written A No						Self-acting, operating by its own mechanism when actuated by					
					N			A - Adopt as written	Α		No Change from '21 to '24.
						current strength, pressure, temperature or mechanical		· ·			-
configuration (see "Manual").						configuration (see "Manual").					
N1101.6 N1101.6 Definition: New definition in IRC Chapter 11: AUTOMATIC SHUTOFF	N1:	101.6	N1101.6	Definition:		New definition in IRC Chapter 11: AUTOMATIC SHUTOFF					
Automatic CONTROL. A device capable of automatically turning loads off				Automatic		CONTROL. A device capable of automatically turning loads off					
Shutoff Control without manual intervention. Automatic shutoff controls				Shutoff Control							
include devices such as, but not limited to, A - Adopt as written Accept						include devices such as, but not limited to,		A - Adopt as written		Accept	
occupancy sensors, vacancy sensors, door switches,						occupancy sensors, vacancy sensors, door switches,					
programmable time switches (i.e., timeclocks) or count-down						programmable time switches (i.e., timeclocks) or count-down					
timers.						timers.					

202-15 (Alternate Definition Submitted)	R202	NA	MN Amended Definition: Balanced System	Y	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is within ten percent of the exhaust output."	AM - Amend Def not in IECC. Look at Mech and IECC - C	AM		Has been an issue. May need to add clarifying language. Does this include exhaust, air intake, ventilation air? Does this include all air introduced into the building and all air being discharged? Look at SONAR from previous amendment. John Smith will write a code change proposal. Ensure that balanced air can not be interpreted as distribution in to spaces. Caution regarding measurement of pressure in lieu of measuring airflow rates. Look at definition of "ventilation" in the IMC. Intent is that this is for mechanical ventilation and from the mechanical codeTabled.
202-15 (Alternate Definition Submitted)	N1101.6	N1101.6	MN Amended Definition: Balanced System	Y	Definition is changed in the 2024 IRC Chapter 11	Not needed		Repeal	
	N1101.6	N1101.6	Definition: Balanced Ventilation System	N	New definition in the 2024 IRC Chapter 11. A ventilation system that simultaneously supplies outdoor air to and exhausts air from a space, where the mechanical supply airflow rate and the mechanical exhaust airflow rate are each within 10 percent of the average of the two airflow rates	Differing definitions in IRC and IMC as amended		Accept	
202-16	R202	R202	Definition: Basement wall	N	Definitions are identical across codes. "A wall 50 percent or more below grade and enclosing conditioned space."	A - Adopt as written	А		
	N1101.6	N1101.6	Definition: Biodesel Blend	N	New definition in the 2024 IRC Chapter 11: BIODIESEL BLEND. A homogeneous mixture of hydrocarbon oils and mono alkyl esters of longchain fatty acids.	A - Adopt as written		Accept	
202-17	R202	R202	Definition: Building	N	Definitions are identical across codes. "Any structure used or intended for supporting or sheltering any use or occupancy, including any mechanical systems, service water-heating systems and electric power and lighting systems located on the building site and supporting the building."	A - Adopt as written	А		
202-18	R202	R202	Definition: Building site	N	Definitions are identical across codes. "A contiguous area of land that is under the ownership or control of one entity."	A - Adopt as written	А		
202-19	R202	R202	Definition: Building thermal envelope	N	Definition has been updated in the '21, but identical in the '24. "The basement walls, exterior walls, floors, ceiling, roofs and any other building element assemblies that enclose conditioned space or provide a boundary between conditioned space and exempt or unconditioned space."	A - Adopt as written	А		

202-20	R202	NA	Definition: C -Factor (thermal conductance)	N	Definition is in 2015 MRE as unamended model code language and does not exist in 2021 IECC. "The coefficient of heat transmission (surface to surface) through a building component or assembly, equal to the time rate of heat flow per unit area and the unit temperature difference between the warm side and cold side surfaces (Btu/h ft2 × °F) [W/(m2 × K]]."			А		No longer occurs in the code language.
202-21	R202	R202	Definition: Cavity Insulation	N	New definition not in the 2015 MRE, no change in the '24. "Insulating material located between framing members."		A - Adopt as written	А		
202-22	R202	R202	Definition: Circulating hot water system	N	New definition not in the 2015 MRE, no change in the '24. "A specifically designed water distribution system where one or more pumps are operated in the service hot water piping to circulate heated water from the water-heating equipment to the fixtures and back to the water-heating equipment."		A - Adopt as written	А		Confirm for both potable and non-potable water? Potable hot water only.
202-23	R202	R202	Definition: Climate Zone	N	New definition not in the 2015 MRE, no change in the '24. "A geographical region based on climatic criteria as specified in this code."		A - Adopt as written	А		
202-24	R202	R202	MN Amended Definition: Code	N	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "For purposes of this chapter, "this code" or "the code" means the Minnesota Residential Energy Code, Minnesota Rules, Chapter 1322."		Keep amendment and reference to 1322.	А		
202-25	R202	R202	Definition: Code official	N	Definitions are identical in MRE & IECC. "The officer or other designated authority charged with the administration and enforcement of this code, or a duly authorized representative."		A - Adopt as written	А		
	N1101.6	N1101.6	Definition: Code official	N	The definition does not exist in the 2024 IRC Chapter 11		Keep amendment		Keep - review with '24 online code.	
202-26	R202	R202	Definition: Commercial building	N	Definitions are identical in '15 MRE & '21, not in '24. Not needed, commercial is not in the scope of the doc. "For this code, all buildings that are not included in the definition of "Residential building.""		Not needed	А		
	N1101.6	N1101.6	Definition: Common areas		New definitioon in the 2024 IRC Chapter 11: COMMON AREAS. All conditioned spaces within Group R occupancy buildings that are not dwelling units or sleeping units		A - Adopt as written		Accept	
202-27	R202	R202	Definition: Conditioned floor area	N	Definitions are identical across codes. "The horizontal projection of the floors associated with the conditioned space."		A - Adopt as written	А		
202-28	R202	R202	Definition: Conditioned space	N	Definition is in the 2015 MRE as model code language, but the language has been updated in the '21, and again in the '24. No substantive changes. "An area, room or space that is enclosed within the building thermal envelope and that is directly or indirectly heated or cooled. Spaces are indirectly heated or cooled where they communicate through openings with conditioned spaces, where they are separated from conditioned spaces by uninsulated walls, floors or ceilings, or where they contain uninsulated ducts, piping or other sources of heating or cooling."		A - Adopt as written	А		
	N1101.6	N1101.6	Definition: Construction Documents		New definition in 2024 IRC Chapter 11: CONSTRUCTION DOCUMENTS. Written, graphic and pictorial documents prepared or assembled for describing the design, location and physical characteristics of the elements of a project necessary for obtaining a building permit.		A - Adopt as written		Accept	

202.22	2000		la 6						
202-29	R202	R202	Definition:		Definitions are identical across codes.				
			Continuous air	N	"A combination of materials and assemblies that restrict or	A - Adopt as written	А		
			barrier		prevent the passage of air through the building thermal envelope."	·			
202-30	R202	R202	Definition:		New definition in '21, same in '24.				
			Continuous		"Insulating material that is continuous across all structural				
			Insulation		members without thermal bridges other than fasteners and				
				N	service openings. It is installed on the interior or exterior, or is	A - Adopt as written	Α		
					integral to any opaque surface of the building envelope.				
	N1101.6	N1101.6	Definition:		New definition in the 2024 IRC Chapter 11: CONTINUOUS				
			Continuous	N	PILOT. A pilot which, once placed in operation, is intended to	A - Adopt as written		Accept	
			Pilot		remain ignited continuously until it is manually interrupted.	n naopras minici		Лисери	
202-31	R202	R202	Definition:		Definition is the same across codes (def is not in 1st printing				Added back into the second
			Crawl space		of '21, but is in 2nd printing).		Amend to match		printing.
			wall	N	"The opaque portion of a wall that encloses a crawl space and	A - Adopt as written	second printing		
					is partially or totally below grade."		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
202-32	R202	NA	Definition: Cubic		Definition is in MRE as a MN Amendment, not located in 2021				Change "Quantity" to
			feet per minute	Υ	IECC.	Repeal, not needed.	Repeal		Volume.
			(CFM)	'	"The quantity of air moved in one minute. A measurement	Repeal, not needed.	кереаг		
					typically applied to ventilation equipment."				
202-33	R202	R202	Definition:		Definitions are identical across codes.				
			Curtain wall	N	"Fenestration products used to create an external nonload-	A - Adopt as written	Α		
					bearing wall that is designed to separate the exterior and				
					interior environments."				
	N1101.6	N1101.6	Definition:		New definition is in the 2024 IRC Chapter 11: A manually or				
			Damper	N	automatically controlled device to regulate draft or the rate of	A - Adopt as written		Accept	
202-34	R202	R202	Definition:		flow of air or combustion gases. Definition is in the 2015 MRE as model code language,				
202 34	11202	NEOZ	Demand		updated in the 2021 IECC, minor change in '24, no substantive				
			Recirculation		change.				
			Water System	N	"A water distribution system where one or more pumps prime	A - Adopt as written	Α		
					the service hot water piping with heated water up on demand				
					for hot water."				
	N1101.6	N1101.6	Definition:		New definition is in the 2024 IRC Chapter 11: A signal that				
			Demand	NI.	indicates a price or a request to modify electricity consumption	0 0 d		A	
			Response Signal	N	for a limited time period.	A - Adopt as written		Accept	
	N1101.6	N1101.6	Definition:		New definition is in the 2024 IRC Chapter 11: A control capable				
			Demand	N	of receiving and automatically responding	A - Adopt as written		Accept	
			Responsive		to a demand response signal.			1,000	
202-35	R202	R202	Control		Now definition in 121 same in 124				
202-35	K2U2	K2U2	Definition: Dimmer	N	New definition in '21, same in '24.	A Adopt as weither			
			Diffiller	IN	"A control device that is capable of continuously varying the light output and energy use of light sources."	A - Adopt as written	А		
	N1101.6	N1101.6	Definition:		New definition is in the 2024 IRC Chapter 11: A system				
	.41101.0	141101.0	Distribution	1	efficiency factor that adjusts for the energy losses associated				
			System	N	with delivery of energy from the equipment to the source of	A - Adopt as written		Accept	
			Efficiency (DSE)	1	the load.				
202-36	R202	R202	Definition: Duct		Definitions are identical across codes.				
					"A tube or conduit utilized for conveying air. The air passages of				
						1			
				N		A - Adopt as written	Α		
				N	self-contained systems are not to be construed as air ducts."	A - Adopt as written	A		
	N1101.6	N1101.6	Definition: Duct	N		A - Adopt as written	A		
	N1101.6	N1101.6	Definition: Duct Airflow	N N	self-contained systems are not to be construed as air ducts."	A - Adopt as written A - Adopt as written	A	Accept	
	N1101.6	N1101.6			self-contained systems are not to be construed as air ducts." New definition is in the 2024 IRC Chapter 11: The		A	Accept	

202-37	R202	R202	Definition: Duct system	N	Definitions are identical in MRE & IECC. "A continuous passageway for the transmission of air that, in addition to ducts, includes duct fittings, dampers, plenums, fans and accessory air-handling equipment and appliances."	A - Adopt as written	А		
	N1101.6	N1101.6	Definition: Duct System	N	New defintion in the 2024 IRC Chapter 11. A system that consists of space conditioning equipment and ductwork , and includes any apparatus installed in connection therewith.	A - Adopt as written		Accept	
	N1101.6	N1101.6	Definition: Ductwork	N	New defintion in the 2024 IRC Chapter 11. DUCTWORK. The assemblies of connected ducts , plenums, boots, fittings, dampers , supply registers, return grilles and filter grilles through which air is supplied to or returned from the space to be heated, cooled or ventilated. Supply ductwork delivers air to the spaces from the space conditioning equipment . Return ductwork conveys air from the spaces back to the space conditioning equipment . Ventilation ductwork conveys air to or from any space.	A - Adopt as written		Accept	
202-38	R202	R202	Definition: Dwelling unit	N	Definitions are identical across codes. "A single unit providing complete independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation."	A - Adopt as written	А		
202-39	R202	R202	Definition: Dwelling Unit Enclosure Area	N	New definition - does not exist in the 2015 MRE. "The sum of the area of ceiling, floors, and walls separating a dwelling unit's conditioned space from the exterior or from adjacent conditioned or unconditioned spaces. Wall height shall be measured from the finished floor of the dwelling unit to the underside of the floor above."	A - Adopt as written	АМ		Consider modifying language to address interstitial wall space between units. Centerline of wall between units? Blower door testing application? Need to verify. Term changed to Testing Unit Enclosure Area in '24, this term is not needed.
202-39	R202	R202	Definition: Dwelling Unit Enclosure Area	N	Definition changed in the 2024 IRC Chapter 11. New definition located as Testing Unit Enclosure Area	A - Adopt as written	АМ		Consider modifying language to address interstitial wall space between units. Centerline of wall between units? Blower door testing application? Need to verify.
	N1101.6	N1101.6	Definition: Dwelling Unit Enclosure Area	N	Definition deleted in the 2024 IRC Chapter 11	Not needed		Delete	
	N1101.6	N1101.6	Definition: Emittance	N	New definition in the 2024 IRC Chapter 11. The ratio of the radiant heat flux emitted by a specimen measured on a scale from 0 to 1, where a value of 1 indicates perfect release of thermal radiation .	A - Adopt as written		Accept	
	N1101.6	N1101.6	Defintion: Enclosed Reflective Airspace	N	New defintion in the 2024 IRC Chapter 11. An unventilated cavity with a low-emittance surface bounded on all sides by building components.	A - Adopt as written		Accept	
202-40	R202	R202	Definition: Energy analysis	N	Definitions are identical across codes. "A method for estimating the annual energy use of the proposed design and standard reference design based on estimates of energy use."	A - Adopt as written	А		

202-41	D202		R202	Definition		Definitions are identical assessed as				
202-41	R202	ľ	R2U2	Definition:		Definitions are identical across codes.				
				Energy cost	N	"The total estimated annual cost for purchased energy for the	A - Adopt as written	Α		
						building functions regulated by this code, including applicable demand charges."				
	N1101.6	1	N1101.6	Definition:		New defintion in the 2024 IRC Chapter 11. A numerical integer				
				Energy Rating		value that represents the relative energy performance of a				
				Index (ERI)		rated design or constructed dwelling unit as compared with the				
						energy performance of the ERI Reference Design , where an ERI	A Adams a continue			
					N	value of 100 represents the energy performance of the ERI	A - Adopt as written		Accept	
						Reference Design and an ERI value of 0 represents a rated				
						design or constructed dwelling unit with zero net energy				
						performance.				
202-42	R202	1	NA	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021				Energy Recovery Ventilation
				Definition:		IECC.				System is in Mechanical Code.
				Energy	Υ	"A device or combination of devices applied to transfer energy		AM		
				Recovery		and moisture from the exhaust air stream for use within the				
				Ventilator		dwelling."				
202-43	R202		R202	(ERV) Definition:		Definitions are identical across codes.				Building Official is the
202 43	REGE	ľ	11202	Energy		"An approved software program or calculation-based				approver by definition of
				Simulation Tool	N	methodology that projects the annual energy use of a	A - Adopt as written	Α		"Approved"
				Simulation 1001		building."				7.55.000
202-44	R202	F	R202	Definition:		Definition is in 2015 MRE as unamended model code				
				Entrance door		language and does not exist in '21 or '24 IECC.				
						"Fenestration products used for ingress, egress and access in				
					N	nonresidential buildings, including, but not limited to, exterior	Not needed.	Amend to delete		
					.,	entrances that utilize latching hardware and automatic closers	Not needed.	Amena to delete		
						and contain over 50-percent glass specifically designed to				
						withstand heavy use and possibly abuse."				
202-45	R202	F	R202	Definition: ERI		New definition in '21, unchanged in '24.				Scale is base-lined at 2006.
				Reference		"A version of the rated design that meets the minimum				Different iterations of IECC
				Design		requriements of the 2006 IECC."				have updated definitions of
							A - Adopt as written, I don't			design for ERI Pathway. May
							think we want to change the			be problems with 2021. Just
					N		definition unless we amend	Α		as HERS got updated in
							the backstop of the ERI			2024we should not just
							pathway.			adopt as iswe should look at
							,			new definitions.
										Review in tandem with
										"Rated Design".
	N1101.6	1	N1101.6	Definition:		New defintion in the 2024 IRC Chapter 11. A building erected				
				Existing Building		prior to the date of adoption of the appropriate code, or one	A - Adopt as written		Accept	
						for which a legal building permit has been issued.				
202-46	R202	F	R202	Definition:		Definitions are identical across codes.				
				Exterior wall	N	"Walls including both above-grade walls and basement walls."		Α		

202-47	R202	R2	202	Definition: Fenestration	N	Definition has been updated in the '21, and is unchanged in '24 IECC. "Products classified as either vertical fenestration or skylights. Skylights. Glass or other transparent or translucent glazing material installed at a slope of less than 60 degrees from horizontal including unit skylights, tubular daylighting devices, and glazing materials in solariums, sunrooms, roofs and sloped walls. Vertical Fenestration: Windows that are fixed or operable, opaque doors, glazed doors, glazed block and combination opaque/glazed doors composed of glass or other transparent or translucent glazing materials and installed at a slope of not less than 60 degrees from horizontal."		A - Adopt as written	А		
202-48	R202	R2	202	Definition: Fenestration product, site- built	N	Definitions are identical across codes. "A fenestration designed to be made up of field-glazed or field-assembled units using specific factory cut or otherwise factory-formed framing and glazing units. Examples of sitebuilt fenestration include storefront systems, curtain walls and atrium roof systems."		A - Adopt as written	А		
202-49	R202	R2	202	Definition: F- Factor	N	Definition is in 2015 MRE as unamended model code language and does not exist in 2021 IECC. "The perimeter heat loss factor for slab-on-grade floors (Btu/h \times ft \times °F) [W/(m \times K)]."		A - Adopt as written	А		
	N1101.6	N:	1101.6	Definition: F- Factor (Thermal Transmittance)	N	Definition is the same in 2024 Model Code as old F-Factor definition. "The perimeter heat loss factor for slab-on-grade floors (Btu/h \times ft \times °F) [W/(m \times K)]."		Delete amended definition for F-Factor and Adopt as written	А	Accept	
	N1101.6	N1	1101.6	Definition: Fuel Gas	N	New defintion in the 2024 IRC Chapter 11. A natural gas, manufactured gas, liquified petroleum gas or a mixture of these.		A - Adopt as written		Accept	
	N1101.6	N1	1101.6	Definition: Fuel Oil		New defintion in the 2024 IRC Chapter 11. Kerosene or any hydrocarbon oil having a flash point not less than 100°F (38°C).		A - Adopt as written		Accept	
	N1101.6	N	1101.6	Definition: Grade Plane		New defintion in the 2024 IRC Chapter 11. A reference plane representing the average of the finished ground level adjoining the building at all exterior walls. Where the finished ground level slopes away from theexterior wall, the reference plane is established by the lowest points within the area between the building and the lot line or, where the lot line is more than 6 feet (1829 mm) from the building between the structure and a point 6 feet (1829 mm) from the building.		A - Adopt as written		Accept	
	N1101.6	N:	1101.6	Definition: Heat Exchanger		New defintion in the 2024 IRC Chapter 11. A device that transfers heat from one medium to another.		A - Adopt as written		Accept	
202-50	R202	N/	A	MN Amended Definition: Furnace	N	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A vented heating appliance designed or arranged to discharge heated air into a conditioned space or through a duct or ducts."		Repeal MN amendment.	АМ	Repeal	Definition found in the mechanical code. Use MN amended definition or unamended mechanical code definition in 2020 MMC?

202-51	R202	NA	MN Amended Definition: Heat recovery ventilator (HRV)	Y	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A device or combination of devices applied to transfer energy from the exhaust air stream for use within the dwelling."	Repeal MN amendment. (getting rid of ERV definition also)	AM	Repeal	Look to definition of ERV and eliminate references to humidity.
202-52	R202	R202	Definition: Heated slab.	N	Definitions are identical across codes. "Slab-on-grade construction in which the heating elements, hydronic tubing, or hot air distribution system is in contact with, or placed within or under, the slab."		А		
202-53	R202	R202	Definition: High Efficacy Light Sources	N	Definition is in the 2015 MRE as model code language, but the term and definition has been updated in the 2021 IECC. Compact fluorescent lamps, light-emitting diode (LED) lamps, T-8 or smaller diameter linear fluorescent lamps or other lamps with an efficacy of not less than 65 lumens per watt, or luminaires with an efficacy of not less than 45 lumens per watt.	A - Adopt as written	АМ		Match the second printing of the first edition.
	N1101.6	N1101.6	Definition: High Efficacy Light Sources	N	Definition does not exist in the 2024 IRC Chapter 11	Not needed. Section 1104 sets the criteria.		Repeal	
202-54	R202	R202	Definition: Historic Building	N	New definition in '21, unchanged in '24. "Any building or structure that is one or more of the following: 1) Listed or certified as eligible for listing by the State Historic Preservation Officer or the Keeper of the National Register of Historic Places, in the National Register of Historic Places. 2) Designated as historic under an applicable state or local law. 3) Certified as a contributing resource within a National Registered-listed, state-designated or locally designated historic district."	Delete		Delete for reason that it exists in 1300.	TAG will discuss the current definition in MR 1300, TAG wants definitions to match.
202-55	R202	R202	Defintion: Infiltration	N	Definitions are identical across codes. "The uncontrolled inward air leakage into a building caused by the pressure effects of wind or the effect of differences in the indoor and outdoor air density or both."	A - Adopt as written	А		
202-56	R202	R202	Definition: Insulated siding	N	New definition in '21, unchanged in '24. "A type of continuous insulation with manufacturer-installed insulating material as an integral part of the cladding product having an R-value of not less than R-2."	A - Adopt as written	А		
202-57	R202	R202	Definition: Insulating sheathing	N	Definition are in all 3 codes, slightly updated in '21, unchagned in '24. "An insulating board with a core material having a minimum R-value of R-2."	A - Adopt as written	А		Have definition for continuous insulation, not needed.
	N1101.6	N1101.6	Definition: Intermittent Ignition	N	New defintion in the 2024 IRC Chapter 11. Type of ignition that is energized when an appliance is called on to operate and that remains continuously energized during each period of main burner operation and where the ignition is deenergized when the main burner operating cycle is completed.	A - Adopt as written		Accept	
	N1101.6	N1101.6	Definition: Interrupted Ignition	N	New defintion in the 2024 IRC Chapter 11. Type of ignition that is energized prior to the admission of fuel to the main burner and that is deenergized when the main flame is established.	A - Adopt as written		Accept	
	N1101.6	N1101.6	Definition: Knee Wall	N	New defintion in the 2024 IRC Chapter 11. An above-grade wall assembly, or wall defined by vertical truss members, of any height that separates conditioned space from unconditioned buffer spaces, such as ventilated attics and entry porch roofs, rather than ambient outdoors.	A - Adopt as written		Accept	

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202-58	R202	R202	Definition: Labeled	N	Definition has been updated in the '21, unchanged in the '24. "Equipment, materials or products to which have been affixed a label, seal, symbol or other identifying mark of a nationally recognized testing laboratory, approved agency or other organization concerned with product evaluation that maintains periodic inspection of the production of such labeled items and whose labeling indicates either that the equipment, material or product meets identified standards or has been tested and found suitable for a specified purpose."	A - Adopt as written	Α		
	N1101.6	N1101.6	Definition: Liquid Fuel	N	New defintion in the 2024 IRC Chapter 11. A fuel oil or biodiesel blend.	A - Adopt as written		Accept	
202-59	R202	R202	Definition: Listed	N	Definitions are identical across codes. "Equipment, materials, products or services included in a list published by an organization acceptable to the code official and concerned with evaluation of products or services that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services and whose listing states either that the equipment, material, product or service meets identified standards or has been tested and found suitable for a specified purpose."	A - Adopt as written	А		
202-60	R202	R202	Definition: Low- voltage lighting	N	Definitions are identical in MRE & IECC. Not in '24. "Lighting equipment powered through a transformer such as a cable conductor, a rail conductor and track lighting."	Not needed.	А		
	N1101.6	N1101.6	Definition: Low- voltage lighting	N	Definition does not exist in the 2024 IRC Chapter 11	Not needed	А	Delete	
	N1101.6	N1101.6	Definition: Living Space	N	New defintion in the 2024 IRC Chapter 11. Space within a dwelling unit utilized for living, sleeping, eating, cooking, bathing, washing and sanitation purposes.	A - Adopt as written		Accept	
	N1101.6	N1101.6	Definition: Low Slope	N	New defintion in the 2024 IRC Chapter 11. A roof slope less than 2 units vertical in 12 units horizontal (17 percent slope).	A - Adopt as written		Accept	
202-61	R202	R202	Definition: Manual	N	Definitions are identical across codes. "Capable of being operated by personal intervention (see "Automatic")."	A - Adopt as written	А		
202-62	R202	NA	MN Amended Definition: Manufacturer's Installation Instructions	Y	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "Printed instructions included with equipment, the provision of which is one of the conditions for listing and labeling."	AM - Keep MN Definition?? Is this necessary?	А	Repeal	Keep current amended language and evaluate before finalizing. Consider changing or removing the word "printed".
202-63	R202	NA	MN Amended Definition: Mechanical ventilation	Y	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "The mechanical process of supplying conditioned or unconditioned air to, or removing it from, any space."	A - Adopt as written		Repeal	Revisit amended definition
202-63	R202	NA	MN Amended Definition: Mechanical ventilation	Υ	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "The mechanical process of supplying conditioned or unconditioned air to, or removing it from, any space."	Not needed as ventilation is now found in the IRC mechanical provisions		Repeal	Revisit amended definition
202-64	R202	R202	Definition: Occupant sensor control	N	New definition in '21, unchanged in '24. "An automatic control device that detects the presence or absence of people within an area and causes the lighting, equipment or appliances to be regulated accordingly."	A - Adopt as written	А		

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	N1101.6	N1101.6	Definition:Occu piable Space	N	New defintion in the 2024 IRC Chapter 11. An enclosed space intended for human activities, excluding those spaces intended primarily for other purposes, such as storage rooms and equipment rooms, that are only intended to be occupied occasionally and for short periods of time.	A - Adopt as written		Accept	
	N1101.6	N1101.6	Definition: On- Demand Pilot	N	New defintion in the 2024 IRC Chapter 11. A pilot that, once placed into operation, is intended to remain ignited for a predetermined period of time following an automatic or manual operation of the main burner gas valve, after which the pilot is automatically extinguished when no automatic or manual operation of the main burner gas valve occurs during the predetermined period of time.	A - Adopt as written		Accept	
202-65	R202	R202	Definition: On- Site Renewable Energy	N	New definition in '21, unchanged in '24. "Energy from renewable energy resources harvested at the building site."	A - Adopt as written	А		
202-66	R202	R202	Definition: Opaque door	N	New definition in '21, unchanged in '24. "A door that is not less than 50 percent opaque in surface area."	A - Adopt as written	А		
REVISIT	N1101.6	N1101.6	Definition: Plenum	N	New defintion in the 2024 IRC Chapter 11. An enclosed portion of the building structure , other than an occupiable space being conditioned, that is designed to allow air movement and thereby serve as part of the supply or return ductwork .	A - Adopt as written		Table, review with code section	
202-67	R202	NA	MN Amended Definition: Proposed design	Υ	Definitions are identical in MRE & IECC. "A description of the proposed building used to estimate annual energy use for determining compliance based on total building performance."		AM		Amend to add-in per second printing.
202-67		N1101.6	Definition: Proposed Design	Υ	New definition in the 2024 IRC Chapter 11. A description of the proposed dwelling unit used to estimate annual energy use for determining compliance based on simulated building performance.	A - Adopt as written		Accept	
		N1101.6	Definition: Radiant Barrier	N	New definition in the 2024 IRC Chapter 11. A material having a low emittance surface of 0.1 or less installed in building assemblies.	A - Adopt as written		Accept	
202-68	R202	R202	Definition: Rated Design	N	New definition in '21, unchanged in '24. "A description of the proposed building used to determine the energy rating index."	A - Adopt as written	А		Need to add definition for Energy Rating Index. Is referenced in the book indexso it may be somewhere. Review in tandem with "ERI Reference Design" definition. "Rated Design" mentions energy rating index in the definition. Section 406 addresses the ERI Compliance Alternative.
202-69	R202	R202	Definition: Ready Access (to)	N	New definition in '21, unchanged in '24. "That which enables a device, appliance or equpment to be directly reached without requiring the removal or movement	A - Adopt as written	А		Matches mechanical code.
		N1101.6	Definition: Reflective Insulation	N	of any panel or similar obstruction." New defintion in the 2024 IRC Chapter 11. A material with a surface emittance of 0.1 or less in an assembly consisting of one or more enclosed reflective airspaces.	A - Adopt as written		Accept	

202-70	R202	R202	Definition: Renewable Energy Certificate (REC)	N	New definition in '21, updated in '24 - see next sheet entry. "An instrument that represents the environmental attributes of one megawatt hour of renewable energy, also known as an energy attribute certificate (EAC)."	A - Adopt as written			Recommendation to discuss. Has been a topic in the 2024 IECC. Will it include utility programs? Time period associated with the REC offsets? We should flag where it shows up in the code as an option or requirement. **Shows up in Section
	R202	R202	Definition: Renewable Energy Certificate (REC)	N	Revised definition in the 2024 IRC Chapter 11. A market-based instrument that represents and conveys the environmental attributes of 1 megawatt hour of renewable electricity generation and could be sold separately from the underlying physical electricity associated with renewable energy resources; also known as an energy attribute certificate (EAC).	A - Adopt as written		Accept	R406.7.3.
202-71	R202	R202	Definition: Renewable Energy Resources	N	New in '21, unchanged in '24. "Energy derived from solar radiation, wind, waves, tides, landfill gas, biogas, biomass, or extracted from hot fluid or steam heated within the earth."	A - Adopt as written			Do we want to limit this to options for buildings? See also "On-site renewable energy".
202-72	R202	R202	Defintion: Repair	N	Definition is in the 2015, updated in the 2021, unchanged in '24. "The reconstruction or renewal of any part of an existing building."				
202-73	R202	R202	Definition: Reroofing	N	New definition in '21, unchanged in '24. "The process of recovering or replacing an existing roof covering. See "Roof recover" and "Roof replacement."	A - Adopt as written	А		
202-74 (Code Change Submitted - CCP RE-31)	R202	R202	Definition: Residential building	N	Definition has been updated in the '21, unchagned in '24. Needs amending to align with scoping of 2024 Commercial Energy Code Scoping(?). "For this code, includes detached one- and two-family dwellings and townhouses as well as Group R-2, R-3 and R-4 buildings three stories or less in height above grade plane."	Reference 1300 - Occupancy classifications. Staff to review & amend definition, revisit RE- 31.	AM		GSM to write AM
202-75	R202	R202	Definition: Roof Assembly	N	Definition is in 2015 MRE as unamended model code language and does not exist in first printing of 2021 IECC. Definition in 2nd printing of '21 and in '24 are the same. "A system designed to provide weather protection and resistance to design loads. The system consists of a roof covering and roof deck or a single component serving as both the roof covering and the roof deck. A roof assembly includes the roof covering, underlayment, roof deck, insulation, vapor retarder and interior finish."	A - Adopt as written in '24.	АМ		Amend to include per second printing.
202-76	R202	R202	Definition: Roof Recover	N	New definition in '21, unchanged in '24. "The process of installing an additional roof covering over an existing roof covering without removing the existing roof covering."	A - Adopt as written	А		
202-77	R202	R202	Definition: Roof Repair	N	New definition in '21, unchanged in '24. "Reconstruction or renewal of any part of an existing roof for the purpose of its maintenance."	A - Adopt as written	А		Part but not the entire roof.
202-78	R202	R202	Definition: Roof Replacement	N	New definition in '21, updated in '24. "The process of removing the existing roof covering, repairing any damaged substrate and installing a new roof covering."	A - Adopt as written	А		

	R202	R202	Definition: Roof		Revised definition in the 2024 IRC Chapter 11. An alteration				
	N202	NZOZ	Replacement		that includes the removal of all existing layers of roof assembly				
			.,	N	materials down to the roof deck and the installation of	A - Adopt as written		Accept	
					replacement materials above the existing roof deck .				
202-79	R202	R202	Definition: R -		Definitions are identical across codes.				
			Value (Thermal		The inverse of the time rate of heat flow through a body from				
			resistance)		one of its bounding surfaces to the other surface for a unit				
				N	temperature difference between the two surfaces, under		Α		
					steady state conditions, per unit area (h · ft2 · ° /Btu) [(m2 ·				
					K)/W].				
202-80	R202	R202	Definition:		Definitions are identical across codes.				
			Service water heating	N	"Supply of hot water for purposes other than comfort heating."	A - Adopt as written	Α		
		R202	Definition:		New defintion in the 2024 IRC Chapter 11. A process in which				
		NZ0Z	Simulated		the proposed building design is compared to a standard				
			Building	N	reference design for the purposes of estimating relative energy	A - Adopt as written		Accept	
			Performance		use to determine code compliance.				
202-81	R202	R202	Definition:		Definition is in 2015 MRE as unamended model code				The term "Skylight" is
			Skylight		language and does not exist in 2021 IECC.				included in the definition for
					"Glass or other transparent or translucent glazing material				"Fenestration".
				N	installed at a slope of less than 60 degrees (1.05 rad) from	Not needed.	Α		
					horizontal. Glazing material in skylights, including unit skylights,				
					solariums, sunrooms, roofs and sloped walls is included in this definition."				
		R202	Definition:		New defintion in the 2024 IRC Chapter 11. A single unit that				
		11202	Sleeping Unit		provides rooms or spaces for one or more persons, includes				
					permanent provisions for sleeping and can include provisions				
				N	for living, eating and either sanitation or kitchen facilities but	A - Adopt as written		Accept	
					not both. Such rooms and spaces that are part of a dwelling				
					unit are not sleeping units.				
202-82	R202	R202	Definition: Solar		Definitions are identical across codes.				
			heat gain coefficient		"The ratio of the solar heat gain entering the space through the				
			(SHGC)	N	fenestration assembly to the incident solar radiation. Solar heat gain includes directly transmitted solar heat and absorbed	A - Adopt as written	Α		
			(31100)		solar radiation that is then reradiated, conducted or convected				
					into the space."				
		R202	Definition: Solar-		New defintion in the 2024 IRC Chapter 11. A section or sections				
			Ready Zone	N	of the roof or building overhang designated and	A - Adopt as written		Accept	
				IN	reserved for the future installation of a solar photovoltaic or	A - Adopt as written		Ассері	
					solar thermal system.				
		R202	Definition:		New defintion in the 2024 IRC Chapter 11. The treatment of air				
			Space Conditioning	N	so as to control the temperature, humidity, filtration and distribution of the air to meet the requirements of a	A - Adopt as written		Accept	
			Conditioning		conditioned space.				
		R202	Definition:		New defintion in the 2024 IRC Chapter 11. The heat				
			Space		exchangers, air-handling units , filter boxes and any apparatus	A Adams and the		Ancort	
			Conditioning		installed in connection therewith used to provide space	A - Adopt as written		Accept	
			Equipment		conditioning.				
202-83	R202	R202	Definition:		Definitions are identical across codes.				
			Standard		"A version of the proposed design that meets the minimum				
			reference	N	requirements of this code and is used to determine the	A - Adopt as written	Α		
			design		maximum annual energy use requirement for compliance based on total building performance."				
		R202	Definition:		New defintion in the 2024 IRC Chapter 11. A roof slope 2 units				
		11202	Steep Slope		vertical in 12 units horizontal (17 percent slope) or greater.	A - Adopt as written		Accept	
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			R202	Definition:		New defintion in the 2024 IRC Chapter 11. Any repair ,					
				Substantial		reconstruction, rehabilitation, alteration, addition					
				Improvement		or other improvement of a building or structure, the cost of					
						which equals or is more than 50 percent of the market value of					
						the structure before the improvement. Where the structure					
						·					
						has sustained substantial damage as defined in the					
					N	International Building Code, any repairs are considered		A - Adopt as written		Accept	
						substantial improvement regardless of the actual repair work		71 Adopt do William		люсерс	
						performed. Substantial improvement does not include the					
						following:					
						1. Improvement of a building ordered by the code official to					
						correct health, sanitary or safety code violations. 2.Alteration					
						of a historic building where the alteration will not affect the					
						designation as a historic building.					
202-84	R202		R202	Definition:		Definitions are identical across codes.					
202-84	K202		K202								
				Sunroom	N	"A one-story structure attached to a dwelling with a glazing		A - Adopt as written	Α		
						area in excess of 40 percent of the gross area of the structure's		· ·			
						exterior walls and roof."					
			R202	Definition:		New defintion in the 2024 IRC Chapter 11. The sum of the					
1		1		Testing Unit		area of ceiling, floors and walls separating a dwelling unit or					
1		1		Enclosure Area	N	sleeping unit's conditioned space from the exterior or from		A . A da . A			
					N	adjacent conditioned or unconditioned spaces. Wall height		A - Adopt as written		Accept	
						shall be measured from the finished floor of the dwelling unit					
						or sleeping unit to the underside of the floor above.					
202-85	R202		R202	Definition:		New definition in '21, unchanged in '24.					Part of the Resdidential ANSI
202-85	K202		K202			, ,					
				Thermal		"The resistance to changes in air heat as air is conveyed					380 or 301 standard for
				Distribution		through a distance of air duct. TDE is a heat loss calculation					performance compliance. If
				Efficiency (TDE)	N	evaluating the difference in the heat of the air between the air		A - Adopt as written	Α		don't do a total duct leakage
					.,	duct inlet and the outlet caused by differences in temperatures		A Adopt as written	^,		test, then makes more
						between the air in the duct and the duct material. TDE is					challenigng to gain the
						expressed as a percent difference between the inlet and outlet					required HERS rating. See
						heat in the duct."					appendix C.
202-86	R202		R202	Definition:		Definitions are identical across codes.					
				Thermal		"Physical and space conditioning separation from conditioned					
				isolation	N	spaces. The conditioned spaces shall be controlled as separate		A - Adopt as written	А		
				isolation	IN.	zones for heating and cooling or conditioned by separate		A - Adopt as written	^		
				- 6		equipment."					
202-87	R202		R202	Definition:		Definitions are identical across codes.					
				Thermostat	N	"An automatic control device used to maintain temperature at			Α		
						a fixed or adjustable setpoint."					
202-88	R202	1	R202	Definition:		Definitions are identical in MRE & IECC.					Includes boundary air films.
(Alternate		1		U -Factor		"The coefficient of heat transmission (air to air) through a					
Definition				(thermal		building component or assembly, equal to the time rate of heat					
Submitted)		1		transmittance)	N	flow per unit area and unit temperature difference between		A - Adopt as written	Α		
		1				the warm side and cold side air films (Btu/h x ft2 x °F) [W/(m2 x					
		1				K)]."					
202-89	R202		R202	Definition:		Definitions are unchanged across codes.					Will Revisit.
202-09	NZUZ		NZUZ	Ventilation		"The natural or mechanical process of supplying conditioned or					WIII NEVISIL.
				ventuation	N			A - Adopt as written	Α		
						unconditioned air to, or removing such air from, any space."					
202-90	R202		R202	Definition:		Definitions are identical across codes.					
				Ventilation air		"That portion of supply air that comes from outside (outdoors)					
		1			N	plus any recirculated air that has been treated to maintain the		A - Adopt as written	Α		
1						desired quality of air within a designated space."					
1											
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202-91	R202		R202	Definition: Visible transmittance (VT)	N	Definitions are identical in MRE & IECC. "The ratio of visible light entering the space through the fenestration product assembly to the incident visible light. Visible Transmittance includes the effects of glazing material and frame and is expressed as a number between 0 and 1."			A - Adopt as written	А		
202-92	R202		R202	Definition: Whole house mechanical ventilation system	N	Definitions are identical across codes. "An exhaust system, supply system, or combination thereof that is designed to mechanically exchange indoor air with outdoor air when operating continuously or through a programmed intermittent schedule to satisfy the whole house ventilation rates."				А		
			R202	Definition: Work Area	N	New defintion in the 2024 IRC Chapter 11. That portion or portions of a building consisting of all reconfigured spaces as indicated on the construction documents. Work area excludes other portions of the building where incidental work entailed by the intended work must be performed and portions of the building where work not initially intended by the owner is specifically required by this code.	N		A - Adopt as written		Accept	
202-93	R202		R202	Definition: Zone	N	Definitions are identical across codes. "A space or group of spaces within a building with heating or cooling requirements that are sufficiently similar so that desired conditions can be maintained throughout using a single controlling device."				А		
						Chapter 3						•
301-1	R301.1	1101.7	R301.1	Climate zones, general.	N	Minor changes to text. Same net outcome.	N	N	A - Adopt as written	АМ		Recommend that Zone 5 upgrade to Zone 6. Will coordinate.
301-2 (Code Change Submitted - RE-2) Skip	Figure R301.1	Figure 1101.7	Figure R301.1	Climate zone map.	N	Updated climate zone map.			A - Adopt as written	AM		
301-3 (Code Change Submitted - RE-2) Skip	Table R301.1	Table 1101.7	Table R301.1	Climate Zones.	N	10 counties affected between '21 IECC and '15 MRE. (Becker, Clay, Fillmore, Grant, Houston, Kanabec, Mille Lacs, Otter Tail, Wilkin, Winona.) Suggest amending to delete all states other than MN.			AM	AM		Amend to delete non- minnesota data.
301-4 Skip	R301.2	1101.7.1	R301.2	Warm Humid Counties.	N	No change and no affect on Minnesota. Suggest amending to delete.			Delete	AM		Delete
301-5 Skip	R301.3	1101.7.2 (& Table)	R301.3	Climate zone definitions.	N	This section has been changed from "International climate zones" to "Climate zone definitions". Changes tabular format in 2015 MRE to paragraph form. Largely has little implications for MN.			A - Adopt as written	А		
301-6 Skip	Table R301.3		Table R301.3	Thermal climate zone definitions.	N	Gives cooling and heating degree days based on climate zone. Could amend to remove zones 1-4.			A - Adopt as written	АМ		Amend to delete Zones 1-5
301-7 Skip	None	1101.8	R301.4	Tropical Climate region.	N	New section with no affect on Minnesota. Suggest deleting.	N	N	Delete	AM		Delete
						SECTION R302 DESIGN CONI	DITIONS					
R302-1 Skip	R302.1	1101.9	R302.1	Interior design conditions.	N	No change in '24.	N	N	A - Adopt as written	АМ		Amend to add exterior design conditions to match commercial energy code for climatic parameters.

R302-2 (Code Change Submitted - RE-3.1) Skip	NA		NA	Climatic data design conditions.	N	Proposed code change submitted to add this content to section R302. Content may fit better into Section R403.7(?).			АМ			RE-3.1 Supported.
		1		I		SECTION R303 MATERIAL, SYSTEMS A	ND EQUIPM	IENT	T			
303-1	R303.1	1101.10	R303.1	Identification.	Y	The MRE expands to include 3 additional criteria. R303.1 Identification. Materials, systems, and equipment shall be identified in a manner that will allow a determination of compliance with the applicable provisions of this code. Materials used shall be: (1) listed for the intended use; (2) installed in accordance with the manufacturer's installation instructions; and (3) installed by an installer who is certified by a manufacturer to install that specific product, if such certification exists.	L	L	Comment: Suggest maintaining current MRE language.		Repeal amendment, use model code language.	Recommend deleting item 3 at the very least because it is out of scope for a building official.
303-2 Skip	R303.1.1		R303.1.1	Building thermal envelope insulation	N	Minor changes to text, same net outcome. Exception has been added in IECC for insulation installed above the roof deck along with references to the IRC & IBC. Exception: For roof insulation installed above the deck, the R-value shall be labeled as required by the material standards specified in Table 1508.2 of the International Building Code or Table R906.2 of the International Residential Code, as applicable.	N	N	A - Adopt as written	А		May need reference to '24 IRC because Table 906.2 is referenced.
		N1101.10.1		Building thermal envelope insulation	N	Minor changes. For reflective insulation, the number of reflective sheets, the number and thickness of the enclosed reflective airspaces and the R-value for the installed assembly determined in accordance with Section N1101.10.6 shall be listed on the certification. For insulated siding, the R-value shall be on a label on the product's package and shall be indicated on the certification. The insulation installer shall sign, date and post the certification in a conspicuous location on the job site. Exception: For roof insulation installed above the deck, the R-value shall be labeled as required by the material standards specified in Table R906.2.	N	N	A - Adopt as written		Committee polled with unanimity to remove references to radiant/reflective barriers. John Smith to draft CCP to remove references.	
303-3 Skip	R303.1.1.1	1101.10.1.1	R303.1.1.1	Blown/sprayed roof insulation	N	Minor changes to text. Same net outcome.	N	N	A - Adopt as written	А		
303-4 Skip	R303.1.2	1101.10.2	R303.1.2	Insulation Mark Installation.		Similar language, but IECC now addresses blown or draped insulation products by requiring that an insulation certificate is left immediately after installation in a conspicuous area. Insulation mark installation. Insulating materials shall be installed such that the manufacturer's R-value mark is readily observable at inspection. For insulation materials that are installed without an observable manufacturer's R-value mark, such as blown ordraped products, an insulation certificate complying with Section R303.1.1 shall be left immediately afterinstallation by the installer, in a conspicuous locationwithin the building, to certify the installed R-value of the insulation material.	L	L	A - Adopt as written	А		

	N1101.10.2					Changed definition: N1101.10.2 (R303.1.2) Insulation mark			T			
	W101.10.2	1101.10.2		Insulation Mark Installation.	N	installation. Insulating materials shall be installed such that the manufacturer's R-value mark is readily observable at inspection. For insulation materials that are installed without an observable manufacturer's R-value mark, such as blown or draped products, an insulation certificate complying with Section N1101.10.1 shall be left immediately after installation by the installer, in a conspicuous location within the building, to certify the installed R-value of the insulation material. Exception: For roof insulation installed above the deck, the R-value shall be labeled as specified by the material standards in Table 1508.2 of the International Building Code or Table R906.2 of this code, as applicable.			A - Adopt as written		Accept	
303-5 Skip	R303.1.3	1101.10.3	R303.1.3	Fenestration product rating.		Modified section in '21, no change to '24: U-factors of fenestration products such as windows, doors, and skylights shall be determined in accordance with NFC 100. Exception: Where required, garage door U-factors shall be determined in accordance with either NFRC 100 or ANSI/DASMA 105. U-facators shall be determined by an accredited independent laboratory, and labeled and certified by the manufacturer. Products lacking such a labeled U-factor shall be assigned a default U-factor from Table R303.1.3(1) or Table R303.1.3(2). The solar heat gain coefficient (SHGC) and visible transmittance (VT) of glazed fenestration products such as windows, glazed doors and skylights shall be determined in accordance with NFRC 200 by an accredited, independent laboratory, and labeled and certified by the manufacturer. Products lacking such a labeled SHGC or VT shall be assigned a default SHGC or VT form Table 303.1.3(3).	Ĺ		A - Adopt as written	А		Important to have 3rd party tested to provide consumers with information. R-value equivalency may not be enough. Overhead doors are also now often used for fully conditioned sport-courts.
	Table R303.1.3(1)	Table 1101.10.3(1)		Default glazed window, glass door and skylight U- factors		No change from '21 to '24.			A - Adopt as written.			
	Table R303.1.3(2)	Table 1101.10.3(2)		Default opaque door U-factors		No change from '21 to '24.			A - Adopt as written.			
		Table 1101.10.3(3)		Default glazed fenestration SHGC and VT		No change from '21 to '24.			A - Adopt as written.			
303-6 Skip	R303.1.4	1101.10.4	R303.1.4	Insulation product rating.	N	Sentence has been restructured, no technical changes in '24.	N	N	А	А		
303-7 Skip	R303.1.4.1	1101.10.4.1		Insulated Siding.	N	New Section in'21, unchagned in '24: The thermal resistance, R-value, of insulation shall be determined in accordance with ASTM C1363. Installation for testing shall be in accordance with the manufacturer's instructions.	L	L	A - Adopt as written	А		
303-8 Skip	R303.1.5	1101.10.5	R303.1.5	Air- impermeable insulation.	N	New section in '21, unchanged in '24: Insulation having an air permeability not greater than 0.004 cubic feet per minute per square foot under pressure differential of 0.3 inch water gauge when tested in accordance with ASTM E2178 shall be determined air-impermeable insulation.	N	N	A - Adopt as written	А		

303-9	R303.1.5		NA	Minnesota		Section does not exist in the IECC. Renumber to 303.1.6 and						DLI will study to see if still
				Thermal		retain existing amendment as follows:						necessary.
				Insulation	N	Thermal insulation shall comply with Minnesota Rules,	L	L	AM			,
				Standards.		Chapter 7640, Minnesota Thermal Insulation Standards,						
						adopted by the Department of Commerce.						
		1101.10.6	R1101.10.6	Airspaces	N	New Section: Where the R-value of an enclosed reflective						
						airspace or						
						enclosed nonreflective airspace is used for compliance with						
						this standard, the airspace shall be enclosed in a cavity						
						bounded on all sides by building components and constructed						
						to minimize airflow into and out of the enclosed airspace.						
						Airflow shall be deemed minimized where one of the following						
						conditions occur:						
						1. The enclosed airspace is unventilated.						
						2. The enclosed airspace is bounded on one or more sides by						
						an anchored masonry veneer constructed in accordance with			A - Adopt as written		Table, waiting for	
						Chapter 7, and vented by veneer weep holes			A - Adopt as written		CCP to review.	
						located only at the bottom portion of the airspace and spaced						
						not less than 15 inches (381 mm) on center with the top of the						
						cavity airspace closed.						
						Exception: For ventilated cavities, the effect of the ventilation						
						of airspaces located on the exterior side of the continuous air						
						barrier and adjacent to and behind the exterior wall covering						
						material shall be determined in accordance with ASTM C1363,						
						modified with an airflow entering the bottom and exiting the						
						top of the airspace at an air movement rate of not less than 70 mm/second.						
202.40		4404.44	D202.2	La et e Hati'a a		,						Adiant to reference all of
303-10		1101.11	R303.2	Installation.		Updated section now includes reference to IRC.						Adjust to reference all of 2024 IRC chapters.
Skip					N	Materials, systems and equipment shall be installed in accordance with the manufacturer's installation instructions			A Adopt as written	^		2024 INC chapters.
					IN	and the International Building Code or the International			A - Adopt as written	А		
						Residential Code, as applicable.						
303-11	R303.2.1	1101.11.1	R303.2.1	Protection of		Very minor changes to language. Same net effect.						
Skip				exposed								
				foundation	N		N	N	A - Adopt as written	Α		
				insulation.								
		N1101.11.2		Radiant Barrier		New section: Where installed, radiant barriers shall comply					Tableeitige fee	
					N	with the requirements of ASTM C1313/C1313M and shall be	N	N	A - Adopt as written		Table, waiting for CCP to review.	
						installed in accordance with ASTM C1743.					CCP to review.	
303-12	R303.3	1101.12	R303.3	Maintenance	N	One word changed: "accessible" label in MRE, "visible" label in	Ν	N	A - Adopt as written	Δ		
Skip				information.	IN	IECC.	IN	IN	A - Adopt as written	A		
	1					Section 1101		ı				
401-1	R401.1		R401.1	Scope.		No "scope" section in N11. May need this if Energy is stand						This could replace language in
					N	alone book.	N	N	A - Adopt as written	Α		MR 1322.0100 Subp. 2
												"Scope".
401-2	R401.2	1101.13	R401.2	Application/		Different language in 2021 IECC. With the new paths in the '21,						
Skip				Compliance.	N	plus the "Existing Buildings" content, the language needs			A - Adopt as written	А		
401-3	NA	1101.13.1	R401.2.1	Droccrinting		updating. This and the following sections provide guidance to understand						
	INA	1101.13.1	N4U1.2.1	Prescriptive option.		This and the following sections provide guidance to understand which subsequent sections must be used depending on the						
Skip				орион.		compliance path chosen. This guides the user to N1101						
					N	General, N1102 Building Thermal Envelope, N1103 Systems,				A		
						N1104 Electrical Power, Lighting, and Renewable Energy						
						Systems.						
401-4	NA		R401.2.2	Total building		This path guides the user to R405 Total Building Performance.						
Skip	1			performance	N	gardes the aser to mos rotal ballang renormance.				Α		
				option.	-							
	•	•						•	•			

		N1101.13.2		Total Simulated		Modified section: The Total Simulated Building Performance						
		N1101.13.2		Building Performance Option	N	Compliance Option requires compliance with Section N1105.	N	N	A - Adopt as written		Accept	
401-5 Skip	NA	1101.13.3	R401.2.3	Energy Rating Index (ERI) option.	N	This path guides the user to N1106 ERI option.				A		
401-6 Skip	NA	1101.13.4	R401.2.4	Tropical climate region option.	N	This path guides the user to N1107 Tropical Climate Region Compliance Path. No relevance to MN as we are not tropical.	N	N	AM - Delete section.	АМ		
401-7 (Code Change Submitted - RE-5.1) Skip	NA		R401.2.5	Additional energy efficiency.	N	This section identifies additional items that must be adhered to based on which compliance path is selected.			RE-5.1 will need to be revised by author and resubmitted for review.	А		
	N1101.13.5		N1101.13.5	Additional energy efficiency.	N	Section moved - N1108	N	N	0		Nothing needs to be done.	
401-8 Skip	R401.3		R401.3	Certificate.	Υ	Similar language between MN & '21 text, suggest combining to take the best of both sections and remove irrelevant content. Maintain numbered format as it reads better.			AM - Combine relevant and best language between MRE & IECC.			DLI will study to see if we need the amended language.
Start 3/10 Meeting Here	N1101.14		N1101.14	Certificate		Minor changes to section inlcuding changes 7 & 8. 7. The code edition under which the structure was permitted, the compliance path used <u>and, where applicable, the additional efficiency measures selected for compliance with Section N1108.</u> 8. The location and dimensions of a solar-ready zone where one is provided.			AM - Combine relevant and best language between MRE & IECC. Staff to review certificate for potential amendment. Remove requirement to post on electrical panel.		Amend, with consideration to address Performance Path documentation.	DLI will study to see if we need the amended language.
						SECTION 1102 BUILDING THERMA	L ENVELOP		an order real parton			
402-1 Skip	R402.1	1102.1	R402.1	General.	N	The leading paragraph includes the addition of a reference to R402.1.5 due to differences in the content and layout of the codes in R402.1.1 - 402.1.5.		М		А		
	R402.1	1102.1	R402.1	General	N	Some changes. N1102.1 (R402.1) General. The building thermal envelope shall comply with the requirements of Sections N1102.1.1 through N1102.1.5 one of the following: 1. Sections N1102.1.1 through N1102.1.4 and Section N1102.1.6. 2. Sections N1102.1.1, N1102.1.5 and N1102.1.6. NEW EXCEPTION - Exception #2: Log homes designed in accordance with ICC 400.			Adopt, but may want to look into ICC 400 to see if it addresses the thermal envelope.			Don will review ICC 400 to see if standard has any Energy requirements for Log homes.
402-2 Skip	NA	1102.1.1	R402.1.1	Vapor retarder.	N	Provides a pointer to R702.7.	N	N	A - Adopt as written	АМ		Add: An equivalent vapor retarder shall be provided on the warm-in-winter side of assemblies where part of the building thermal envelope.
402-3	R402.1.1	1102.1.2	R402.1.1	Insulation and fenestration criteria.	Υ	In MN code, waterproofing is also addressed in this section due to statutory durability requirements. U-factor and SHGC are also noted with a reference to Table R402.1.2.			Move MN amended waterproofing content to basement walls N1102.2.9	AM	Adopt, may need amendment from durability research	Relocate amended language to foundation walls section and retain model code language here. Insert amended language into 402.2.8 and 402.2.10.

	R402.1.2	1102.1.2	R402.1.1	Insulation and fenestration		Minor changes by adding F-Factor to the section.			A - Adopt as written		Adopt as written	
402-4 (Code Change Submitted - RE-12) Skip			Table R402.1.2	criteria. Maximum assembly U-factors and fenestration requirements.	N	U-factor table is now located earlier in the IECC, it is one section later in the MRE. Comparing the tables, the IECC is slightly more efficient and fenestration U-factor decreases from .32 to .30. Skylights are unchanged. Ceiling U-factor reduces from .026 to .024. Mass walls, floors, basement walls and crawl space walls did not change in zones 5-8. Suggest deleting zones 0-4, as well as climate zones marine 4 and 8. MN will now need Zone 5 for SE MN.	L	M	AM - Delete zones 0-4, as well as climate zones marine 4 and 8. Only leave zones 5-7. Footnotes: Delete references to zones other than 5-7 in b. Delete c, e, & f (highest point in MN is 2,301ft above sea level). Delete exception in d.	5 Yea, 8 Nay on CCP RE-12, so amend to remove irrelevant climate zones, otherwise maintain as written.		Revisit with submitted code change proposal. Topic tabled.
	R402.1.2	Table 1102.1.2		Maximum assembly U-factors and fenestration requirements.		The Table has changed dramatically. Need to review. NEW: Insulation above roof deck, Heated & Unheated Slab F-factor. More Efficient: Vertical fenestration .30 reduce to .28 & .27, Skylight .55 reduce to .50. Less Efficient: Ceiling .024 (R-41.66) increase to .026 (R-38.46) No change: Wood frame walls, Mass wall, Floor, Basement wall, Crawl space wall.			Amend: Delete: CZ 0-5 & 8 Change: Vertical fenestration to .27 in both CZ 6 & 7		Amend	Steve draft CCP to delete CZ's not in MN, and make windows same U-factor across MN.
402-5	NA		R402.1.3	R-value alternative.		The '21 IECC takes a slightly different angle in that it lists the U-factor approach and table before the R-value approach and table. This section simply allows the use use of R-values and points the user to the R-value table (R402.1.3) in lieu of using U-factors. IECC Table R402.1.3 is Table R402.1.1 in the MRE.	N	N	A - Adopt as written			Table for review of code change proposal next meeting.
	N1102.1.3		N1102.1.3	R-value alternative.		Minor changes to section. Added F-Factor.			A - Adopt as written		Adopt	
402-6 (Code Change Submitted - RE-6.1) Skip	Table R402.1.3		Table R402.1.1	Insulation Minimum R- values and Fenestration Requirements by Component.	Y	Table has been retitled and updated with greater efficiencies for components. MN will need Zone 5 for SE MN. U-factors have been copied over from U-factor table, however there is a mistake in the SHGC. The intention is that the SHGC is not required in Zone 5, but the table states zone 5 is to meet 0.40, but states NR in Table 402.1.2. This will be fixed in the '24 IECC-R. We could consider removing the U-factor columns from the R-value table altogether and leaving U-factors in the Table 402.1.2. Regarding R-values, ceiling has increased from 49 to 60, wood frame walls increase and add additional CI options: 20 + 5ci, 13 + 10ci, or 0 + 20. 30 is added in the erratum.	L	Н	AM - Delete exception to footnote b, and delete footnotes e, f, and i as it does not pertain to MN. Consider deleting U-factor content. Change SHGC in Zone 5 to NR.			Table for review of code change proposal next meeting. RE-6.1 was tabled by author. No action taken.
	Table R402.1.3	Table 1102.1.3	R402.1.1	Insulation Minimum R- values and Fenestration Requirements by Component.		Note there are other Erratum to this section to consider. The Table has changed. NEW: Insulation above roof deck, Heated Slab R-value. More Efficient: Vertical fenestration .30 reduce to .28 & .27, Skylight .55 reduce to .50. Less Efficient: Ceiling R60 decrease to R49. No change: Wood frame walls, Mass wall, Floor, Basement wall, Unheated slab, Crawl space wall.			Amend: Delete: CZ 0-5 & 8 Change: Vertical fenestration to .27 in both CZ 6 & 7		Amend	Steve draft CCP to delete CZ's not in MN, and make windows same U-factor across MN.

		1	1	1		1			1	1	1	1
402-7 Skip	R402.1.2		R402.1.4	R-value computation.	N	This section exists in the MRE for the most part, but is expanded and clarified in the IECC. No changes between '21 & '24 codes. The point of the section is that the user cannot just add up the R values of multiple components. Rather, the components must be summed based on the relative location in the assembly.	L	L	A - Adopt as written	А		
402-8 (Code Change Submitted - CCP RE-21) Skip	R402.1.4		R402.1.4	Total UA alternative.	N	Expands on content in MRE. Adds instruction that calculation must be in accord with ASHRAE Handbook of Fundamentals.	L	L	A - Adopt as written	Α		May need to readdress if U- value tables adjusted for fenestration. RE-21.1 voted down.
	R402.1.5	N1102.1.5	R402.1.4	Total UA Component Performance Alternative	N	Section has been revised. '21 states "Total UA alternative", and '24 states "Component performance alternative".			Adopt as written.			John to submit CCP on UA backstop for prescriptive.
	R402.4.4	N1102.1.6	None	Rooms containing fuel- burning appliances.	N	Not in '15, minor changes between '21 & '24.			Amend or delete entirely. Chris R to draft a CCP.			Tabled. Forthcoming CCP from Chris R.
402-9 Skip	R402.2	1102.2	R402.2	Specific insulation requirements.	N	The word "(Prescriptive)" was removed in the '21. '24 expands to include one additional section with reference to 1102.2.3 Attic knee wall.	N	N	A - Adopt as written	А	Adopt	
402-10 (Code Change Submitted - CCP RE-23) Skip	R402.2.1		R402.2.1	Ceilings with attic spaces.	N	This section reads essentially the same as in the MRE, except the R values are increased to parallel those in Table R402.1.3. Allows a reduced insulation value where a uniform thickness of insulation can be accommodated due to an adequately tall energy heel. Suggest deleting first sentence, as R-49 only applies to Zone 3 and south. Zones 5-7 all require the same attic R-value. Leaving the first sentence leads to confusion as to what the actual attic requirments are, as users do not realize the MN edition stems from model code language.	L	М	AM - Delete first sentence.	АМ		Amend to delete first sentence. Delete "with attics." RE-23 voted down.
	R402.2.1	N1102.2.1	R402.2.1	Ceilings with attics.	N	Same essence as '15 & '21, except attic insulation value has reduced from '21 based on Table N1102.1.3. Where Section N1102.1.3 requires R-38 insulation in the ceiling or attic, installing R-30 over 100 percent of the ceiling or attic area requiring insulation shall satisfy the requirement for R-38 insulation wherever the full height of uncompressed R-30 insulation extends over the wall top plate at the eaves. Where Section N1102.1.3 requires R-49 insulation in the ceiling or attic, installing R-38 insulation over 100 percent of the ceiling or attic area requiring insulation shall satisfy the requirement for R-49 insulation wherever the full height of uncompressed R-38 insulation extends over the wall top plate at the eaves. This reduction shall not apply to the insulation and fenestration criteria in Section N1102.1.2 and the component performance alternative in Section N1102.1.5.			Amend: Delete first sentence as R38 does not pertain to CZ 6&7. Staff to draft CCP.		Amend	Steve draft CCP to delete CZ's not in MN
402-11 Skip	R402.2.2		R402.2.2	Ceilings without attic spaces.	N	These sections are nearly identical in both codes. There are minor changes to the exact language in the IECC. The overall application is the same.	N	N	A - Adopt as written	АМ		Amend to delete section.
	R402.2.2	N1102.2.2	R402.2.2	Ceilings without attics	N	No technical changes, just minor tweaks to sentence structure.			A - Adopt as written		Adopt	

	None	N1102.2.3	None	Attic Knee Wall	N	New section			A - Adopt as written		Adopt	
	None	N1102.2.3.1	None	Roof Truss Framing Separating Conditioned and Unconditioned Space	N	New section			A - Adopt as written		Adopt	
402-12 (Code Change Submitted - CCP RE- 20.1)	R402.2.3	N1102.2.4	R402.2.3	Eave baffle	N	Language update in the '24, the overall outcome is the same. CCP RE-20.1 needs to be updated. Use "wind wash" or "insulation dam" in lieu of "baffle"			Amend to address "wind wash". John Smith & Steve S to work together updating RE-20.1.	RE-20.1 approved by TAG - 11/28.		Tabled. John & Steve work together to update CCP.
402-13 (Code Change Submitted - CCP RE-16) Skip	R402.2.4		R402.2.4	Access hatches and doors.	N	Two exceptions are added in '21 and carry into '24. Recommend deleting the second exception as it does not pertain to MN climate zones. Need to update CCP RE-16 for '24 cycle.	N	N	Amend - Delete second exception.	АМ		Amend to delete exceptions. DLI to write.
(Skip) (Code Change Submitted - CCP RE- 16.1)	R402.2.4	1102.2.5	R402.2.4	Access hatches and doors.	N	Similar language. Need to update CCP RE-16 for '24 cycle.			Amend - Delete second exception. Steve S to update CCP for TAG review.			
402-14 Skip	N1102.2.5.1	1102.2.5.1	None	Access hatches and door insulation installation and retention.	N	Same effect as '21, minor changes to sentence structure.	N	N	Adopt as written.			Amend to delete exceptions. DLI to write.
402-15 Skip	R402.2.5	1102.2.6	R402.2.5	Mass walls.	N	Similar language to the '20 MRE with revisions. No change from '21 to '24. Added an empirical specification regarding walls with a heat capacity greater than or equal to 6 Btu/SF x degrees F in '21.	N	N	A - Adopt as written			
402-16 Skip	R402.2.6		R402.2.6	Steel-frame ceilings, walls and floors.	N	Same content in MRE, just updated the reference to Table R402.1.2 for U-factors.	N	N	A - Adopt as written			
	R402.2.6	N1102.2.7	R402.2.6	Steel-frame ceilings, walls and floors.	N	Section updated in '24 with new content. Low impact, MN does not build residential construction with steel framing.	L	L	Adopt as written.		Adopt	
402-17 Skip	Table R402.2.6		Table R402.2.6	Steel-frame ceiling, wall and floor insulation R-values.	N	Some of the R-values have been updated in the IECC. MN does not often frame houses in steel, so this content has little impact.	N	N	A - Adopt as written		Adopt	

402-18 Skip	R402.2.7		R402.2.7	Floors.	N	This section has been updated to differentiate among 3 potential prescriptive ways to install the insulation: 1). It is in contact with the bottom of the subfloor. 2). It is contact with top of the ceiling below, with airspace between the top of the insulation and the bottom of the subfloor. Requires the outer perimeter to have full depth insulation so the rim area is not left uninsulated. 3). The third is like option #2, but incorporates continuous insulation. I see no problem with the outcome of this section, but suggest considering changing the language to make it more clear, or adding pictures as it is confusing to read.	ι	ι	AM - Consider adjusting to make easier to understand.		
402-19	R402.2.7 R402.2.8	N1102.2.8	R402.2.7 R402.2.8	Floors. Basement walls.		Heavily revised in '24. For the prescriptive path, the MRE requires a minimum of R-10 to be on the exterior of the wall, whereas the IECC does not			A - Adopt as written	Adopt	
					Y	specify which side of the wall the insulation must be. The content in the MRE was based on building science research and may need to be evaluated again based on statute. The charging language in the IECC requires all basements to be insulated, then gives an exception where 6 items must be met. In the MRE, the requirements only apply to conditioned basements. The IECC is more restrictive in that the exceptions limit the ability to have an unconditioned basement. This is largely irrelevant in MN as we rarely see unconditioned basements.	М	L	Comment: May be subject to building science research.		
	R402.2.8	N1102.2.9	R402.2.8	Basement walls.		Same as '24. This is subject to carrying forward the MN amended content from R402.2.8. Suggest moving waterproofing content to Building code.			Amend by adding '20 MRE language to '24 language. Need CCP. Subject to Building Science Research review.	Amend: Keep R15 basement wall, allow R-10 exterior. Staff draft CCP.	
402-20 Skip	R402.2.8		R402.2.8.1	Basement wall insulation installation.	Υ	This section addresses how far the insulation must be installed down the wall. The IECC requires it to go to the top of the floor, whereas the MRE requires it to go to the top of the footing. Some if this depends if the insulation is installed on the interior or exterior of the wall. Given most foundation insulation is installed on the exterior in MN, the MRE is slightly more restrictive. The sections are very similar. The content may change based on building science research.	L	L	Amend - use language from '20 MRE. May be subject to building science research.		
	R402.2.8.1	N1102.2.9.1	R402.2.8	Basement wall insulation installation.		Minor changes from IECC-R			Amend - use language from '20 MRE. May be subject to building science research.	Align with 1102.2.9	
402-21 Skip	R402.2.9		R402.2.9	Slab-on-grade floors.	N	The IECC and MRE essentially have the same content, except that the IECC divides the content into two main sections like the basement insulation content: main requirement including an exception, then how it must be done.	N	N	A - Adopt as written		
	R402.2.9	N1102.2.10	R402.2.9	Slab-on-grade floors		Floor surface changes from being within 12" to grade to 24" to grade.	N	L	Adopt as written.	 Adopt	
402-22 Skip	R402.2.9		R402.2.9.1	Slab-on-grade floor insulation installation.	N	Merely restructures same content that is in MRE.	N	N	A - Adopt as written		
	R402.2.9.1	N1102.2.10. 1	None	Slab-on-grade floor insulation installation.	N	24 similar to '21, but adds some content about full slab insulation and heated slabs.	L	L	Adopt as written.	Adopt	

	None	N1102.2.10.	None	Alternative slab-		New section in '24. Refers to designs in 1105 Simulated					
	None	7	None	on-grade		Performance and 1106 ERI.					
		2		insulation	N	renormance and 1100 EM.	N	N	Adopt as written.	Adopt	
				configurations							
402-23	R402.2.10		R402.2.10	Crawl space		The IECC and MRE essentially have the same content, except					
				walls.		that the IECC divides the content into two main sections like					
						the basement insulation content: main requirement including					
						an exception, then how it must be done.					
									AM - Amend to parallel		
					N	The issue with this section in the MRE is that it was never	N	N	language for conditioned		
						amended to align with the basement provisions. A conditioned			basements. May be subject to		
						crawl space is essentially just a short basement. Therefore, it			building science research.		
						seems to make sense to parallel foundation insulation					
						requirements for conditioned crawl spaces with those of					
						conditioned basements.					
	R402.2.10	N1102.2.11	R402 2 10	Crawl space		Only change between '21 and '24 is to the references.				Staff draft CCP to	
				walls.		only shange between 21 and 21 is to the references.			Amend to refer to basement	refer to basement	
									wall section.	wall section.	
402-24	R402.2.10.1		R402.2.10	Crawl space		See comments for R402.2.10 directly above.			See comments for R402.2.10		
Skip				wall insulation	N		N	N	directly above.		
				installations.							
	R402.2.10.1	N1102.2.11.	None	Crawl space		24 allows insulation to be installed on inside or outside of wall.			Amend to require insulation on	Staff draft CCP to	
		1		wall insulation		Consider amending to align with MN amended basement wall		L	exterior of wall like a	refer to basement	
				installations.		content to require insulation on exterior of wall. Subject to durability research.			basement. Subject to durability research.	wall section.	
	N1102.2.11.		N1102.2.11.	Alternative		New section in '24. Refers to designs in 1105 Simulated			Adopt as written.		
	7		7	crawl space wall		Performance and 1106 ERI.			Adopt as written.		
	_		_	insulation	N	renormance and 1100 EM.				Adopt	
				configerations							
402-25	R402.2.11	N1102.2.12	R402.2.11	Masonry	N	No changes.	N	N	A - Adopt as written		
Skip				veneer.							
402-26	R402.2.12	N1102.2.13	R402.2.12	Sunroom and		Thermal envelope provisions for garages are now specifically					
Skip				heated garage		addressed in the '21 energy code. The exceptions and R-values					
				insulation.	N	given for thermally isolated sunrooms are the same as in the	N	N	Amend - delete content	Amend to remove	
						MRE, and now also apply to garages. No change from '21 to '24.			regarding CZ 0-5.	CZs not in MN	
						No change from 21 to 24.					
	None	None	N1102.3	Radiant Barriers		New section.					
							N	N	Adopt as written.	Adopt	
402-27	R402.3	N1102.4	R402.3	Fenestration.		No technical changes from '21 to '24.					
Skip					N	The content is the same as the MRE, except that reference to	N	N	A - Adopt as written	Adopt	
					IN IN	R402.3.6 (Replacement fenestration) has been removed as the	IN	IN	A - Adopt as written	Adopt	
						section is no longer located here.					
402-28	R402.3.1	N1102.4.1	R402.3.1	U-factor.	N	No changes.	N	N	A - Adopt as written		
Skip	D402.2.2	N11102 4 2	D402.2.2	Classed		24.9.124					
402-29 Skip	R402.3.2	N1102.4.2	R402.3.2	Glazed fenestration		21 & '24 same content. Same content in '20 & '21, but added section in '21 regarding			A - Adopt as written, could also		
JVIh				SHGC.	N	dynamic glazing. Serves no purpose in MN as we do not	N	N	be deleted.		
				31100.		regulate SHGC.			be deleted.		
402-30	R402.3.3		R402.3.3	Glazed		The language is slightly different in the IECC, but the outcome is					
Skip				fenestration		essentially the same. The SHGC content will not affect MN.			Comment: Either adopt as		
				exemption.	N	Interesting use of the word "shall" vs. "may" in terms of	N	N	written, or amend to use		
						applying the exemption.			language in MRE.		

Skip	R402.3.3	N1102.4.3	R402.3.3	Glazed fenestration exemption.	N	Minor changes between '21 & '24, no substantive change. N1102.4.3 (R402.4.3) Glazed fenestration exemption. Not greater than 15 square feet (1.4 m 2) of glazed fenestration per dwelling unit shall be exempt from the U-factor and SHGC requirements in Section N1102.1.2. This exemption shall not apply to the Total UA component performance alternative in Section N1102.1.5.			Adopt as written.		
402-31	R402.3.4		R402.3.4	Opaque door exemption.	N	The language is slightly different in the IECC, but the outcome is essentially the same. Interesting use of the word "shall" vs. "may" in terms of applying the exemption.					
Skip	R402.3.4	N1102.4.4	R402.3.4	Opaque door exemption.		Minor changes between '21 & '24, no substantive change. Minor changes: Opaque door exemption. One side-hinged opaque door assembly not greater than 24 square feet (2.22 m2) in area shall be exempt from the Ufactor requirement in Section N1102.1.2. This exemption shall not apply to the component performance Total UA alternative in Section N1102.1.5.			Adopt as written.		
402-32 Skip	R402.3.5	N1102.4.5	R402.3.5	Sunroom and heated garage fenestration.	N	No change from '21 to '24. Section clarifies its application to sunrooms as well as heated garages. Heated garages are presently not explicitly addressed in the MRE. The exception to allow reduced U-factor remains the same in MN climate zones. The section adds clarification for new fenestration separating sunrooms or heated garages.	N	N			A - Adopt as written
Skip		1111.1.1.1	R402.3.6	Replacement fenestration.	N	Content in '15 moved to 1111.1.1.1 in '24, no substantive change.	N	N	Moved section, see 1111.1.1.1		
402-33 Skip	R402.4		R402.4	Air leakage.	N	Same provision in the MRE, but now includes reference to the additional section of R402.4.5. The additional section stems from adding R402.4.4 "Rooms containing fuel-burning appliances".	N	N	A - Adopt as written		
	R402.4	N1102.5	R402.4	Air leakage.		Language is similar, but does not reference 1102.1.6 ('21 - R402.4.4) "Rooms containing fuel-burning appliances" as the '21 does.	N	N	Adopt as written, but fix typo in code. Last reference in paragraph should be 1102.5.5 not 1102.5.4		
402-34 Skip	R402.4.1	N1102.5.1	R402.4.1	Building thermal envelope.	N	No substantive change from '21 to '24. Same provision in the MRE, but now includes reference to the additional section of R402.4.1.3 "Leakage rate".	N	N	A - Adopt as written		
402-35 Skip	R402.4.1.1	N1102.5.1.1	R402.4.1.1	Installation.	N	No change from '20 to '21 to '24.	N	N	A - Adopt as written		
402-36 Skip	Table R402.4.1.1		Table R402.4.1.1	Air barrier, air sealing and insulation installation.	N	The table is very similar to the MRE, with minor updates and clarifications.	L	L	A - Adopt as written		

						T					1	
	Table	Table	Table	Air barrier, air		Major changes to Table N1102.5.1.1						
	R402.4.1.1	N1102.5.1.1	R402.4.1.1	sealing and		- General - Same as '21.						
				insulation		- Ceiling/attic - Similar, no technical change.						
				installation.		- Walls - Same as '21.						
						- Knee wall - New section.						
						- Windows, skylights, and doors - Changes, no longer requires						
						sealing, but refers only to MFR instructions. If a window has						
						vague installation or refers back to code, there is no						
						requirement to seal. Suggest amending.						
						- Rim joists - Similar, no technical change.						
						- Floors/Cantileverd - Changes to section.						
						- Basement, crawl space, slab - No technical changes.					Chris to draft CCP to	
						- Shafts/penetrations - Similar, no technical changes.					include air sealing for	
						- Narrow cavitites - Same as '21			Amend Windows portion and		windows as was in	
						- Garage separation - No technical changes.			Common Walls, leave the rest		the '21. See	
									unamended.		R703.4.1	
						- Recessed lighting - No technical changes.			and mended.		Staff draft CCP to	
						- Plumbing/wiring - No technical changes.					address Single Family	
				1		- Showers/tubs - Similar, adds fireplaces.					Attached.	
				1		- Electrical boxes - Section added to.						
						- HVAC registers - Insulation criteria added.						
				1		- Concealed sprink - Same.						
						- Common walls - All new section. Amend to remove						
						reference to "attached single family" based on draft language						
						to 13000.0070 Subp. 22a.						
						1300.0070 Sub 22a: Single-family dwelling. "Single-family						
						dwelling" means a freestanding detached residential						
						structure containing only one dwelling unit and may include a						
402-37	R402.4.1.2		R402.4.1.2	Testing.		In the '21, more specific testing backstops were moved to						
Skip						R402.4.1.3 "Leakage rate". Additionally, an option is added to						
Sitip						calculate the leakage based on CFM leakage per area of the						
						enclosure. The latter change will help smaller dwellings pass						
					N	the test due to challenges resulting from lower volumes of air.	L	L	A - Adopt as written			
						An exception is added for two situations whereby the						
						requirement is reduced to .30 CUFT/Min per SF of enclosure						
						area.						
Start 3/24	R402.4.1.2	N1102.5.1.2	D402 4 1 2	Air Leakage		Section has been revised from '21. Content has been broken						
meeting	K4U2.4.1.2	N1102.5.1.2	K402.4.1.2	Testing.		into essentially <i>how</i> to test, and then .3 gets into the test <i>rate</i> .						
_				resung.		into essentially now to test, and then is gets into the test rate.						
here.				1								
(Skip to												
N1103 for												
3/24				1					Adopt as written			
meeting,				1								
revisit												
1102.5.1.2				1								
to end of				1								
chapter at												
4/7				1								
meeting.)	A1.A		D402 1 1 5	1		This continues the allowed to the second						
	NA		R402.4.1.3	Leakage Rate.		This section provides the allowable leakage rate based on						
(Code						climate zone when following the prescriptive compliance						
Change					N	option. Other compliance paths allow tradeoffs for leakage.				RE-4.1 had 6 Yeas		
Submitted -										and 6 Nays.		
RE-4.1)												
Skip												

	R402.4.1.3	N1102.5.1.3	R402.4.1.2	Makimum Air Leakage Rate		This section provides the allowable leakage rate based on climate zone when following the prescriptive compliance option. Other compliance paths allow tradeoffs for leakage. Air leakage decreased from 3 ACH to 2.5 under Prescriptive path, but allows 4 ACH under performance options. Adds specific criteria for R-2 apartments.			Discuss leak rate, and using CFM/SF enclosure area instead of ACH50. If amended, remove content that is not CZ 6&7.			
402-39 Skip	R402.4.2	N1102.5.2	R402.4.2	Fireplaces.	N	No change from '21 to '24 The first sentence is the same, but the '21 adds content regarding the doors for factory built fireplaces listed to UL 127.	L	L	A - Adopt as written	А		
402-40 Skip	R402.4.3	N1102.5.3	R402.4.3	Fenestration air leakage.	N	Same language in '15, '21 & '24.	L	L	A - Adopt as written	A		
402-41 Skip	R402.4.4	1102.1.6	None	Rooms containing fuel- burning appliances.	N	Relocated in '24, see 1102.1.6. New provision in '21.	L	М	Merits discussion	AM (Delete)		
402-42 Skip	R402.4.5	N1102.5.4	R402.4.4	Recessed lighting.	N	Minor changes in text, same net requirement and outcome. No change to '24.	L	L	A - Adopt as written	Accept		
402-43 Skip	NA		R402.4.6	Electrical and communication outlet boxes (airsealed boxes).	N	Provides specifications for boxes installed in the thermal envelope. Air sealed boxes are required in the MRE in Table R402.4.1.1.	L	L	A - Adopt as written	Accept		
	R402.4.6	N1102.5.5	None	Air-sealed electrical and communication outlet boxes		24 removes air leakage rate criteria (2 cfm at 75Pa). Similar net outcome.	N	N	Adopt as written			
402-44 Skip	R402.5	N1102.6	R402.5	Maximum fenestration U- factor and SHGC.	N	21 & '24 are same. Same net outcome as in MRE. Exception is added in '21 for storm shelters.	L	L	AM - Delete content not pertaining to MN Climate zones.	Accept		
						SECTION 1103 SYSTEM	1S	•				
403-1 Skip	R403.1	N1103.1	R403.1	Controls.	N	Same net outcome across '20, '21 & '24.	L	L	A - Adopt as written	Accept	Accept	
403-2 Skip	R403.1.1	N1103.1.1	R403.1.1	Programmable thermostat.	N	No change from '21 to '24. Similar requirement, but instead of applying exclusively to forced air furnaces, it now applies to the primary heating or cooling system.	L	L	A - Adopt as written	Accept	Accept	
(Begin 3/24 meeting - adjusted, will revist N1102 at 4/7 meeting) 403-3	R403.1.2		R403.1.2	Heat pump supplementary heat.	N	Identical provision.	L	L	A - Adopt as written	Accept	Accept	
	R403.1.2	N1103.1.2	R403.1.2	Heat pump supplementary heat.		Changes to Model 2024 Section 1103.1.2, appears to be a similar outcome.			Adopt as written		Accept	

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403-4 Skip	NA R403.2	N1103.2	R403.2	Hot water boiler temperature reset.	N	New provision. 2021 IECC-R Commentary: "This section provides a requirement that gives each household with a hot water boiler an opportunity for energy savings by requiring a reset that will automatically adjust the temperature of the water based on ambient conditions. The exception for domestic hot water is included to allow the sale of boilers with integrated domestic hot water production. This section aligns the IECC with federal regulations CFR10 Part 430 Subpart C (e)(2), which were in effect at the time the 2021 IECC was being developed. All equipment manufactured for sale in the US is required to meet this standard. Federal appliance standards are subject to change."	A - Adopt as written	Accept	Accept	
402.5	R403.3		R403.2	temperature reset.		Castific and the facultish duply and appeals	Adopt as written		Accept	
403-5 Skip		N4402.2		Ducts.	N	Specifies sections for which ducts must comply.	A - Adopt as written	Accept	Accept	
	R403.3	N1103.3	R403.2	Duct Systems	N	24 has been modified and includes reference to the mechanical code.	Adopt as written		Accept	
	None	N1103.3.1	None	Duct System Design	N	New section in '24, includes refernce to ANSI/ACCA Manual D.	Adopt as written		Accept	
Skip	R403.3.7	N1103.3.2	R403.2.3	Building cavities.	N	24 has same net outcome as '21. Relocated section from R403.3.7	A - Adopt as written		Accept	
403-6 Skip	R403.3.1	N1103.3.3	R403.3.1	Ducts located outside conditioned space.	Y	24 uses "ductwork" instead of "ducts". No substantive changes. Addresses insulation of ducts outside conditioned space. In the MRE, this was largely located within Table R403.2.1. A distinction has been drawn for insulation levels on ducts above or below 3" in diameter. Exhaust ducts are not addressed here as they are in the MRE. Section moves backwards from MRE. Need to review all of R403 against similar provisions of the MRE.	AM - Maintain backstops set in 2015 MRE, but using the IECC- R template as much as possible.	AM - Look at requirements in '15 MRE.	Accept	
403-7 Skip	R403.3.2	N1103.3.4	R403.3.2	Ducts located in conditioned space.	Υ	'21 is a step backwards from a past code opinion given by the state on the topic by only requiring R19 between duct and unconditioned space. Installing a continuous air barrier below the duct could be problematic if a vapor barrier such as poly is installed on the cold side of the floor assembly to accomplish the requirement.	AM - Maintain backstops set in 2015 MRE, but using the IECC- R template as much as possible.	AM - Look at requirements in '15 MRE. Need to change.	Accept	
REVISIT	R403.3.2	N1103.3.4	R403.3.2	Duct systems located in conditioned space.		Section modified in '24 - discuss. #1 - '21 & '24 are essentially the same. #2 - Adds content about vapor diffusion ports. #2.1 - Similar requirement. #2.2 - Same net effect. #3 - Same net effect. #3.1 - Same net effect. #3.2 - Exception added. #3.3 - Insulation value changes from R-19 to R-10 or half the required insulation, whichever is greater. #3.4 - Clarification for performance paths is added.	Staff may have CCP to update and bring forward for this section.			

403-8 Skip	R403.2.1		R403.3.3	Ducts buried within ceiling insulation.	Y	Details are provided here when ducts are partly or completely buried in ceiling insulation. The section is a bit confusing when also reading R403.3.1. It could be read to indicate that ductwork in an attic area must be covered with insulation to R19? Item #1 will be unecessary if we maintain current backstop of R8, and item #3 has no relevance to MN.			AM - Review with the rest of R403 for possible changes.	AM - Look at requirements in '15 MRE. Need to change.		
REVISIT	R403.2.1	N1103.3.5	R403.3.3	Ductwork buried within ceiling insulation		Details are provided here when ducts are partly or completely buried in ceiling insulation.			Staff may have CCP to update and bring forward for this section. Delete #3 & 4 - not MN CZs			
403-9 Skip	NA		R403.3.3.1	Effective R- value of deeply buried ducts.	N	Gives effective duct insulation value in ceilings if using Total Building Performance Option.	L	L	A - Adopt as written	AM - Look at requirements in '15 MRE. Need to change.		
REVISIT	R403.3.3.1	N1103.3.5.1	None	Effective R- value of deeply buried ducts.		Similar net effect for Simulated Performance path.			Adopt as written			
403-10 Skip	R403.3.4		R403.2.2	Sealing.	N	Same beginning language in both codes, however MRE includes exceptions not located in the IECC. Discuss appropriateness of maintaining exceptions. Exception #2 seems out of place to include in Energy code.	L	L	Discuss	Accept - polled group, unanimously in favor of keeping this provision in code.		
	R403.3.4	N1103.3.6	R403.2.2	Sealing.	N	Minor changes to N1103.3.6. Duct sealing and testing has been revamped in '24. TAG opted to keep '15 language, but should be reevaluated given the updates to the section.			Adopt as written		Accept	
403-11 Skip	R403.3.4.1		R403.2.2.1	Sealed air handler.	N	Same language in both codes.	L	L	A - Adopt as written	Accept		
	N1103.3.6.1		N1103.3.6.1	Sealed air- handling unit	N	Minor changes to N1103.6.3.1			Adopt as written		Accept	
403-12 Skip	R403.3.5		R403.2.2	Duct testing.	N	Sets criteria for testing. Reference to ANSI/RESNET/ICC 380 or ASTM E1554 are not in the MRE.			A - Adopt as written	Accept		
REVISIT	R403.3.5	N1103.3.7	R403.2.2	Duct system testing	N	Section has been updated, review. Need to pull up national proposal to review intent			Adopt as written			
403-13 Skip	R403.3.6		R403.2.2	Duct leakage.	N	New requirement to test all ducts regardless of location inside or outside of thermal envelope.	М	?	Discuss	Accept		
	R403.3.8	N1103.3.8	R403.2.2	Duct system leakage	N	Section has been updated, some criteria moved to Table N1103.3.8.			Adopt as written		Accept	
	R403.3.6	Table N1103.3.8	R403.2.2	Maximum Total Duct System Leakage		New Table in '24, pulls items #1-3 from '21 R403.3.6.			Review with TAG.		Accept	
403-14 Skip	R403.2.3	1103.3.2	R403.3.7	Building cavities.	N	See N1103.3.2. Same requirement as MRE.				Accept		
403-15 Skip	R403.4	N1103.4	R403.3	Mechanical system piping insulation.	N	Same requirement across codes.	N	N	A - Adopt as written	Accept	Accept	
403-16	R403.4.1	N1103.4.1	R403.3.1	Protection of piping insulation.	N	Nearly identical to MRE, minor tweaks to wording.	N	N	A - Adopt as written	Accept		
	R403.4.1	N1103.4.1	R403.3.1	Protection of piping insulation.		Minor changes to N1103.4.1, adds an aspect of maintenance.			Adopt as written		Accept	
403-17 Skip	R403.5	N1103.5	R403.4	Service hot water systems.	N	Same content across codes. References have been updated.	N	N	Adopt as written	Accept		

Add											•	1	
Page		R403.5.1	N1103.5.1	None	Heated water		New content in '21, no substantive change in '24.						
Mail	Skip												
MID-32 MOD-3.5 MOD-3						N				Adopt as written	Accept		
REVISIT M03.5.1 M130.5.1 M03.6.1 Collabor No potential popularity No potential pop													
MINIST Mail													
Miles Mile		R403.4.1		R403.5.1.1		N	Expands on provisions in MRE.				Accept		
Addition					-	••					посере		
March Marc	REVISIT	R403.5.1	N1103.5.1.1	R403.4.1									
Mode					systems.		·			Adopt as written			
Second S													
Mail		R403.5.1.1.1	N1103.5.1.1	None			New content in '21 IECC.						
603 5.1.1 110 5.1.1 None Command recirculation No content of the process of the proces	Skip		.1			N					Accept		
1					 								
No.		R403.5.1.1.1		None			Changes to section, review.						
Sipp Name			.1			N				Adopt as written		Accept	
Skip Substant Su	402.24	21.2	N4402 F 4 2	D402 F 4 2			Mary Instruction of the control 124						
Supplementary Supplementar		NA	N1103.5.1.2	R403.5.1.2		N	——————————————————————————————————————			Adopt as written	Accept		
Skip Ma03.5.2 Ma03.5.3 Machanical Machani		D402 E 2		D402 4 2									
Skip R403.5.2 N103.5.2 R403.4.2 Accept No table Table Nilvinum mips Nilvinum		N4U3.3.2		N4U3.4.2		N					Accept		
No table Table Insulation. No table Table Insulation. No table Table Insulation No table No t	Skip	R/I03 5 2	N1103 5 2	R403 4 2									
Name	ЗКІР				insulation.	N				Adopt as written			
Thickness National Control C		No table					Table is new in '24. Review.						
R403.5.3 N103.5.3 NA Drain water heat recovery units. Alog 24 R403.5.3 N103.5.3 NA Drain water heat recovery units. Alog 24 R403.5.4 R403.5.5 National ventilation. Alog 25 R403.5.5 National ventilation. R403.5.6 N1103.6 R403.5 Mechanical ventilation. Alog 26 R403.5.5 National ventilation. Alog 27 R403.6.1 N1103.6 R403.5.5 National ventilation. Alog 28 R403.6.1 National ventilation. Alog 29 R403.6.1 National ventilation. Alog 29 R403.6.1 National ventilation. Alog 20 R403.6.1 National ventilation. Alog 30 R403.5.5 National ventilation. Alog 40 R403.5.5 National ventilation. Alog 50 R403.6.1 National ventilation. Alog 51 R403.6.1 National ventilation. Alog 51 R403.6.1 National ventilation. Alog 61 R403.6.2 National ventilation. Alog 62 R403.6.2 National ventilation. Alog 62 R403.6.2 National ventilation. Alog 62 R403.6.1 National ventilation. Alog 62 R403.6.1 National ventilation. Alog 62 R403.6.1 National ventilation. Alog 72 R403.			N1103.5.2	R403.4.2		N				Adopt as written		Accept	
heat recovery units. A03-24 RA03.6 RA03.5 RA03.6 RA03.5 Mechanical ventilation. RA03.5 Mechanical ventilation. RA03.6 N1103.6 RA03.5 RA03.6.1 RA03.5 RA03.5 RA03.6.1 RA03.5 RA03.6 RA													
Adoption		R403.5.3	N1103.5.3	NA									
Accept R403.6 R403.5 Mechanical ventilation. Y The IECC-R references the IRC or IMC for Mechanical Ventilation requirements. Y R403.6 R403.5 Mechanical ventilation. Y R403.6 N1103.6 R403.5 Mechanical ventilation. R403.6 N1103.6 R403.5 Mechanical ventilation. R403.6 N1103.6 R403.5 Mechanical ventilation. R403.6.1 R403.5.5 Heat or energy recovery ventilation. Y R403.6.1 N1103.6.1 R403.5.5 Heat or energy recovery ventilation. Y R403.6.1 N1103.6.1 R403.5.5 Heat or energy recovery ventilation. Y R403.6.1 N1103.6.1 R403.5.5 Heat or energy recovery ventilation. Y Changes to N1103.6.1 including adding climate zone 6 recovery ventilation. R403.6.2 NA Whole-dwelling mechanical ventilation system fan N Sets fan efficacy ratings. Polled RE-17, 7, 8, 19.1. Consider zone 6 recovery ventilation. N Polled RE-17, 7, 8, 19.1. Consider zone 6 recovery ventilation. N Polled RE-17, 7, 8, 19.1. Consider zone 6 recovery ventilation. N Polled RE-17, 7, 8, 19.1. Consider zone 6 recovery ventilation. N Polled RE-17, 7, 8, 19.1. Consider zone 6 recovery ventilation system fan N Sets fan efficacy ratings.	Skip					N	New provision in '21.			Adopt as written			
Ventilation											regulations.		
Code Change Submitted - R403.6 N1103.6 R403.5 Mechanical ventilation. R403.6 N1103.6 R403.5 Mechanical ventilation. R403.6.1 N1103.6.1 R403.5.5 Heat or energy recovery ventilation. R403.6.2 NA Whole-dwelling mechanical ventilation system fan		R403.6		R403.5									
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Submitted - RE-18 & RE-19.1) R403.6 N1103.6 R403.5 Mechanical ventilation. R403.5 R403.5.1 R403.5.5 Heat or energy ventilation. Y R403.6.1 N1103.6.1 R403.5.5 Heat or energy ventilation. R403.6.1 N1103.6.1 R403.5.5 Heat or energy ventilation. Y R403.6.1 N1103.6.1 R403.5.5 Heat or energy ventilation. Y R403.6.1 N1103.6.1 R403.5.5 Heat or energy ventilation. Y R403.6.1 N1103.6.1 R403.5.5 Heat or energy ventilation. R403.6.1 N1103.6.1 R40	-					V							
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A03-25 Skip Ventilation. R403.6.1 R403.5.5 Heat or energy recovery ventilation. Y The IECC now requires HRV/ERV in C2 7 & 8. The IECC now requires HRV/ERV in C2 7 & 8. The IECC now requires HRV/ERV in C2 7 & 8. The IECC now requires HRV/ERV in C2 7 & 8. Polled RE-17, 7, & Polled RE-17, 7, & 19.1. Consider zone 6? R403.6.1 N103.6.1 R403.5.5 Heat or energy recovery ventilation. R403.6.2 NA Whole-dwelling mechanical ventilation system fan NA Whole-dwelling mechanical ventilation system fan N Polled RE-17, 7, & 19.1. Consider zone 6?		R403 6	N1103 6	R403 5	Mechanical		Minor changes in text, same net requirement and outcome						
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Code Change Submitted - RE-7 & RE-17) R403.6.1 N1103.6.1 R403.5.5 Heat or energy recovery ventilation. NA Whole-dwelling mechanical ventilation system fan N							,						
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403-26 R403.6.2 NA Whole-dwelling mechanical ventilation system fan N Sets fan efficacy ratings.		R403.6.1	N1103.6.1	R403.5.5	Heat or energy		Changes to N1103.6.1 including adding climate zone 6						
403-26 R403.6.2 NA Whole-dwelling mechanical ventilation system fan N Sets fan efficacy ratings. Sets fan efficacy ratings. Polled RE-17, 7, & 19.1. Consider zone 62										Adopt as written		Accept	
Mechanical ventilation system fan N 19.1. Consider zone 62					ventilation.								
ventilation system fan N	403-26	R403.6.2		NA	Whole-dwelling		Sets fan efficacy ratings.						
ventilation N 19.1. Consider zone 19.2. Consider zone 19.2	Skip				mechanical						Polled RF-17 7 9		
system ran					ventilation	N							
efficacy.					1 '	IN							
					efficacy.						0.		
				<u> </u>									

	R403.6.2	N1103.6.2	R403.5.7	Fan efficacy for		Change to title and minor changes to section N1103.6.2					
	K4U3.6.2	N1103.6.2	R4U3.5.7	whole-house mechanical ventilation systems and outdoor ventilation	N	Change to title and minor changes to section N1103.6.2		Adopt as written		Accept	
403-27 Skip	Table R403.6.2		Table R403.5.1	Whole-dwelling mechanical ventilation system fan efficacy.	N	Sets fan efficacy ratings. Restructured table compared to MRE, some increases to fan efficacy requirements in '21.			Accept		
	Table R403.6.2	Table 1103.6.2	Table R403.5.1	Fan Efficacy for whole-house mechanical ventilation systems and outdoor air ventilation systems	N	Change to title and table		Review with TAG.		Accept	
403-28 Skip	R403.6.3		NA	Testing.	N	New requirement to test ventilation system.			Accept		
экір	R403.6.3	N1103.6.3	NA	Testing.		Major changes to Section 1103.6.3, review.		Review with TAG.		Accept	
	None		None	Intermittent exhuast control for bathrooms and toilet rooms		New section in '24.		Adopt as written		Accept	
403-29	R403.7	N1103.7	R403.5.17	Equipment sizing and efficiency rating.	Υ	No change in '24. Similar requirement, but now sets a backstop for replacement equipment to meet minimums set by federal law.		Adopt as written	Accept		
	None	N1103.7.1	None	Electric- resistance space heating		New provision.		Adopt as written		Accept	
403-30 Skip	R403.8		R403.7	Systems serving multiple dwelling units.	N	Minor changes to language, same net outcome.			Amend to ASHRAE reference.		
REVISIT	R403.8	N1103.8	R403.7	Systems serving multiple dwelling units.		Minor changes to section, same net outcome. Will need to delete or amend, since we do not adopt the IECC-C provisions. Review for scoping for R-2,3,4 - scope to '24 MCE? Refer to 1323.		Adopt as written			
	None	N1103.9	None	Mechanical systems located outside the building thermal envelope		New in '24 - requiremens for systems outside.		Adopt as written		Accept	
	None	N1103.9.1	None	Heating outside a building		New in '24 - requiremens for heat outside.		Adopt as written		Accept	

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403-31 Skip	R403.9	N1103.9.2	R403.8	Snow melt and ice system controls.	N	Minor changes to language, same net outcome.	L	L	A - Adopt as written	Accept		
	None	N1103.9.3	None	Roof and gutter deicing controls		New section.			Adopt as written		Accept	
	None	N1103.9.4	None	Freeze- protection system controls		New section.			Adopt as written		Accept	
403-32 Skip	R403.10	N1103.10	R403.9	Energy consumption of pools and spas.	N	No substantive changes in '24. Similar section between codes, refers to subsections for additional stipulations.	L	L	A - Adopt as written	Accept	Accept	
403-33	R403.9.1	N1103.10.1	R403.10.1	Heaters.	N	Expands on provisions in MRE to require switch to be within 3' of heater.	L	L	A - Adopt as written	Accept	Accept	
403-34 Skip	R403.9.2		R403.10.2	Time switches.	N	Minor changes to language, same net outcome.	L	L	A - Adopt as written	Accept		
Skip	R403.9.2	N1103.10.2	R403.10.2	Time switches.		No substantive changes.			A - Adopt as written			
403-35 Skip	R403.10.3	N1103.10.3	R403.9.3	Covers.	N	No substantive change in '24. '21 moves exception for pool cover from 70% to 75% of energy sourced from heat pump or on-site renewable energy.	L	L	A - Adopt as written	Accept		
403-36	NA	N1103.11	R403.11	Portable spas.	N	No substantive changes in '24. New criteria in '21, sets requirements for electric powered portable spas.			Adopt as written	Accept	Accept	
403-37	NA	N1103.12	R403.12	Residential pools and permanent residential spas.	N	No substantive changes in '24. New criteria in '21, sets requirements for electric powered permanent spas.			Adopt as written	Accept	Accept	
	None	N1103.13	None	Gas fireplaces	N	New section in '24			Adopt as written		Accept	
	None	N1103.13.1	None	Gas fireplace efficiency	N	New section in '24			Adopt as written		Accept	
						SECTION N1104 ELECTRICAL POWER AND	LIGHTING	YSTEMS				
404-1 Skip	R404.1		R404.1	Lighting equipment.	N	Now requires ALL lighting to be high efficacy, rather than 75% as in '15 MRE.	L	L	A - Adopt as written	Accept		
	R404.1	N1104.1	R404.1	Lighting equipment.	N	24 new criteria for lumens to watt for efficacy.			Adopt as written		Accept	
		Table N1104.1		Lighting Power Allowance for Building Exteriors		New Table in '24.			Adopt as written		Accept	
404-2	R404.1.1		None	Exterior lighting.	N	New regs for exterior lighting. Consider implications of scoping, and whether we need to add accessory buildings (IRC-IV) to list if garages accessory to IRC-I - III are included in definition for Residential Building. Points user to IECC-C.	L	L		Amend to ASHRAE reference.		
	R404.1.1	N1104.1.1	None	Exterior lighting		Minor changes in '24			Adopt as written		Accept	
	None	N1104.1.2	None	Exterior lighting power requirements		New section in '24			Adopt as written		Accept	
	None	N1104.1.3	N1104.1.3	Exterior lighting power allowance		New section in '24			Adopt as written		Accept	
	None	N1104.1.4	N1104.1.4	Additional exterior lighting power		New section in '24			Adopt as written		Accept	

404-3	R404.1.1		R404.1.2	Fuel gas lighting		Same requirement.						
Skip	11404.1.1		11404.1.2	equipment.	N	Sume requirement.	N	N	A - Adopt as written	Accept		
	R404.1.2	N1104.1.5	R404.1.1	Gas lighting	N	Minor change in '24 adding content about pilot light.			Adopt as written		Accept	
404-4 Skip	R404.2		NA	Interior lighting controls.	N	New req for dimmers, occupancy sensors, or other controls.				Accept		
	R404.2	N1104.2	NA	Interior lighting controls.		Restructuring of section in '24.			Adopt as written		Accept	
	None	N1104.2.1	None	Habitable spaces		New section in '24			Adopt as written		Accept	
	None	N1104.2.2	None	Specific locations		New section in '24			Adopt as written		Accept	
404-5 Skip	R404.3		None	Exterior lighting controls.	N	New req for exterior lighting.				Accept		
	R404.3	N1104.3	None	Exterior lighting controls		Restructuring of section in '24.			Adopt as written		Accept	
	R404.3	N1104.3.1	None	Controls for individual dwelling units		Minor changes to N1104.3.1 (exterior lighting controls)			Adopt as written		Accept	
Skip 404-6 (Code Change Submitted - RE- 8,9,10,10.1, 11,13)	NA		R404.4	NA		Proposed CCPs to be added in part under R404.4 pertaining to new electrical provisions.						
	None	N1104.4	None	Renewable energy certificate (REC) documentation.		New section in '24. We will not be using Site Sourced energy generation to offset envelope efficiency.			Delete		Delete	
(Code Change Submitted - CCP RE- 10.2)												
						SECTION R1105 SIMULATED BUILDING	PERFORM.	ANCE	1			
405-1 Skip	R405.1		R405.1	Scope.	N	Minor changes to paragraph. Adds energy usage for mechanical ventilation.				Accept		
	R405.1	N1105.1	R405.1	Scope.		24 now indicates 1105 path for R-2,3,4 is limited to dwelling units.					Accept	
405-2 Skip	R405.2		R405.3	Performance- based compliance.	N	Sets backstop at 2009 IECC.				Accept		
END 3/24 MEETING, REVISIT TOPIC (Code Change Submitted - CCP RE-39)	R405.2	N1105.2	R405.3	Simulated building performace compliance	N	Changes to title and criteria.			Review with TAG.			

405.0	I=		l	la					T			
405-3	Table		NA	Requirements	N	Table provides prescriptive items that must be met instead of						
Skip	R405.2			for total		previously used headings "Mandatory" sprinkled throughout				Accept		
				building		'15 MRE.						
				performance.								
	Table	Table	Table	Requirements		Title changed from "Total" to "Simulated". Changes made to						
	R405.2	N1105.2	R405.5.2(1)	for Simulated		table also.			Review with TAG.			
				Building					neview with fixe.			
				Performance								
405-4	R405.3		R405.4	Documentation.	N	Essentially same in '21, changes to numbering of subsequent				Accept		
Skip					IN	sections.				Ассері		
	R405.3	N1105.3	R405.4	Compliance		Section has been updated. Review.						
				documentation.					Review with TAG.			
405-5	R405.3.1	N1105.3.1	R405.4.1	Compliance	N	Deleted in '24.			Accept	Accept		
Skip				software tools.	IN	'15 & '21 Same.			Accept	Accept		
405-6	R405.3.2	N1105.3.2	R405.4.2	Compliance		Deleted in '24.						
Skip				report.	N	The report in the '21 is expanded and breaks it into the permit			Accept	Accept		
					IN	app report and that which is needed to obtain CofO. Additional			Ассерг	Ассері		
						information is needed for the reports.						
405-7	R405.3.2.1	N1105.3.2.1	None	Compliance		Deleted in '24.					_	
Skip				report for	N	The report in the '21 is expanded and breaks it into the permit						
				permit	IN	app report and that which is needed to obtain CofO.			Accept	Accept		
				application.								
405-8	R405.3.2.2	N1105.3.2.2	None	Compliance		Deleted in '24.						
Skip				report for		The report in the '21 is expanded and breaks it into the permit						
				certificate of	N	app report and that which is needed to obtain CofO.			Accept	Accept		
				occupancy.								
405-9	R405.4		R405.5	Calculation		References slightly adjusted subsections.						
Skip				procedure.	N					Accept		
	R405.4	N1105.4	R405.5	Calculation		Section has been updated. Review.						
				procedure.					Review with TAG.			
405-10	R405.4.1		R405.5.1	General.		Same language.						
Skip					N					Accept		
	R405.4.1	N1105.4.1	R405.5.1	General	N	Section has been updated. Review.			Review with TAG.			
405-11	R405.4.2		R405.5.2	Residence		Nearly the same except references different numbering of						
Skip				specifications.	N	section.				Accept		
	R405.4.2	N1105.4.2	R405.5.2	Residence		Section has been updated. Review.						
				specifications.		·			Review with TAG.			
405-12	Table		Table	Specification for		Some updates to table - values and references to more						
Skip	R405.4.2(1)			the standard		efficient U-values. N Dehumidistat is now included.						
·	',		, ,	reference and								
				proposed	N					Accept		
				designs.								
	Table	Table	Table	Specification for		Section has been updated. Review.						
	R405.4.2(1)	N1105.4.2(1		the standard								
	(-/)	(=/	reference and								
		ľ		proposed					Review with TAG.			
				designs.								
405-13	Table		Table	Default		Same tabular values.						
Skip	R405.4.2(2)		R405.5.2(2)									
July				system								
				efficiencies for	N		N	N	A - Adopt as written	Accept		
				proposed								
				designs.								

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	Table	Table	Table R405.5.2(2)	Default distribution		Section has been updated. Review.					
	R405.4.2(2)	(2)	K405.5.2(2)								
		(2)		system efficiencies for					Review with TAG.		
				proposed							
				designs.							
405-17	R405.5.3		R405.6.3	Input values.		Same content.					
Skip				·	N		N	N	A - Adopt as written	Accept	
	R405.5.3	N1105.4.3	R405.6.3	Input values.		References have been updated.			Adopt as written		
	R405.5		R405.6	Calculation	N	Same statement, different section numbering referenced.	N	N	A - Adopt as written	Accept	
Skip				software tools.			.,	''	A Adopt us written	лесере	
	R405.5	N1105.5	R405.6	Calculation		Section has been updated. Review.			Review with TAG.		
405.45	D40F F 1		D40F C 1	software tools.		Causa aantamt					
405-15 Skip	R405.5.1		R405.6.1	Minimum capabilities.	N	Same content.	N	N	A - Adopt as written	Accept	
ΣΚΙΡ	R405.5.1	N1105.5.1	R405.6.1	Minimum		Section has been updated. Review.					
	11403.3.1	141105.5.1	11403.0.1	capabilities.		Section has been apaated. Neview.			Review with TAG.		
405-16	R405.6.2	R405.5.2	R405.6.2	Specific		Same content.					
Skip				approval.	N		N	N	A - Adopt as written	Accept	
	R405.5.2	N1105.5.2	R405.6.2	Specific		Deleted in '24			Accept		
				approval.					лосері		
		N1105.5.2		Testing required		Section deleted in '24 and replaces "Specific Approval" from					
				by software		'21.			Accept		
				vendors							
		N1105.5.3		Algorithms not		New section in '24					
		141105.5.5		tested		New Section III 24			Accept		
		N1105.5.4		Compliance		New section in '24			A		
				reports					Accept		
		N1105.5.4.1		Compliance		New section in '24					
				reports for					Accept		
				permit							
		N1105.5.4.2		application		New section in '24					
		N1105.5.4.2		Compliance reports for		New Section in 24					
				certificate of					Accept		
				occupancy							
						SECTION R1106 ENERGY RATING INDEX COM	MPLIANCE A	TERNATIVE			
Discuss											
definitions:											
202-45 ERI											
Reference											
Design 202-68											
Rated											
design											
202-70											
Renewable											
Energy											
Certificate											
(REC)	D406.4			S							
406-1 Skip	R406.1		NA	Scope.	N					Accept	
экір	R406.1	N1106.1		Scope.	N	Section has been updated. Review.			Review with TAG.		
406-2	R406.2	141100.1	NA	ERI Compliance.		Section has been updated. Neview.			neview with IAG.		
Skip					N					Accept	
	R406.2	N1106.2		ERI Compliance.	N	Section has been updated. Review.			Review with TAG.		
					IN				neview with TAG.		

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March Marc	406-3	Table		NA	Requirements						
Mile	Skip	R406.2			for energy	N				Accept	
Mile					rating index.						
March Marc		Table	Table				Section has been updated. Review.				
March Marc						N			Review with TAG		
Mode											
No.	106.1	P406.2		NΑ							
March Marc		K400.3		INA		NI.				A	
No.	SKIP				envelope.	IN				Ассері	
No.											
March Marc		R406.3	N1106.3		-		Section has been updated. Review.				
Section Sect					envelope.	N			Review with TAG.		
Section Sect											
March Marc		R406.3.1		NA							
Major Majo	Skip				renewables are	N				Accept	
Mode					not included.						
Mode		R406.3.1	N1106.3.1	NA	On-site		Deleted in '24				
Mode					renewables are	N			Review with TAG.		
Mode					not included.						
Mode	406-6	R406.3.2		NA							
March Marc						N				Accept	
Review with TAG. Review with	Onip					.,				лосерс	
Review with TAG. Review with		R406 3 2	N1106 3 2	NΔ			Deleted in 124				
Mode No.		11-100.3.2	141100.5.2	117		N	Deleter III 24		Review with TAG		
March Marc						IN			Review with TAG.		
Sap	406 7										
References have been updated. Review. Review with TAG. Review wi		R406.4		NA		N				Accept	
No.6-6 Robert R	Skip										
AGE-S AND SET TABLE AND SET TA		R406.4	N1106.4	NA		N	Section has been updated. Review.		Review with TAG		
Salp						.,			neview with tries		
Section has been updated. Review. Review with TAG. Section has been updated. Review. Review with T	406-8	R406.5		NA		N				Accont	
Change Submitted CCP RE-400 COMBINER. No Maximum energy rating index. Table Table NA Maximum energy rating index. 106-10 R406.5 N1106.5 NA Warrington by approved agency. Saip R406.6 N1106.6 NA Verification by approved agency. R406.7 N1106.7 NA Documentation. No Minor change in '24. Minor change in '24.					compliance.	18				Ассері	
Submitted Cop RE-40) COP RE-400 Name of the complete of the	(Code	R406.5	N1106.5	NA	ERI-based		Section has been updated. Review.				
Submitted Cept R-40) Table NA Maximum Na Na Na	Change				compliance.	NI.			Daview with TAC		
Accept Table R406.5 N1106.5 NA Werification by approved agency. R406.1 R406.7 N1106.7 NA Documentation. R406.7 N1106.7 NA Compliance software tools. R406.1 NA Compliance Software tools. R406.1 NA Compliance Software tools. R406.7 N1106.7 NA Compliance Software tools. R406.7 NA Compliance Software tools. N Minor changes in '24.	Submitted -					IN			Review with TAG.		
Salip R406.5 R406.5 Rable Ra	CCP RE-40)										
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406-14	R406.7.2.1		NA	Proposed							
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				application.							
	R406.7.2.1	N1106.7.2.1	NA	Proposed		Minor changes in '24.					
				compliance							
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406-15	R406.7.2.2		NA	Confirmed							
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				report for a	N					Accept	
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406-16	R406.7.3		NA	Renewable							
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				documentation.	N					Accept	
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406-17	K406.7.4	N1106.7.4	NA	Additional		No change in '24.					
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406-18	R406.7.5		NA	Specific	N	No change in '24.			Adopt as written	Accept	
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406-19	R406.7.6		NA	Input values.	N					Accept	
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	T			-		SECTION N1107 TROPICAL CLIMATE REGIO	ON COMPLIA	NCE PATH	T		
407-1	R407.1	N1107.1	NA	Scope.	N	Does not pertain to MN climate zones.			AM - Delete	Delete	
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407-2	R407.2	N1107.2	NA	Tropical climate	N				AM - Delete	Delete	
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		N1107.2		Slope Roof							
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						SECTION N1108 ADDITIONAL EFFICIEN	CY REQUIRE	MENTS			
408-1	R408.1		None	Scope.					A Adambas		
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	R408.1	N1108.1	None	Scope.		Minor changes.			Adopt as written		
408-2	R408.2		None	Additional							
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	R408.2	N1108.2	None	Additional		Section has been updated. Review.				
				energy efficiency credit				Review with TAG.		
				requirements				Review With TAG.		
				requirements						
	None	Table	None	Additional		New content. Review.				
		N1108.2		Efficiency				Review with TAG.		
				Requirements						
408-3	R408.2.1		None	Enhanced						
				envelope	N					
				performance						
				option.						
	R408.2.1	N1108.2.1	None	Enhanced		Section has been updated. Review.				
				building thermal envelope				Review with TAG.		
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		N1108.2.1.1	None	Enhanced		New content. Review.				
				building thermal						
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		N1108.2.1.2	None	Improved		New content. Review.		Review with TAG.		
				fenestration				neview with me.		
		Table	None	Improved		New content. Review. Consider deleting CZ other than 6 & 7.		Review with TAG.		
		N1108.2.1.2		Fenestration				Potentially amend.		
		N1108.2.1.3	None	Roof solar		New content. Review.		·		
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				index				Review With TAG.		
		N1108.2.1.3		Aged solar		New content. Review.				
		.1		reflectance				Review with TAG.		
		N1108.2.1.4	None	Reduced air		New content. Review.		Review with TAG.		
				leakage				Review With TAG.		
408-4	R408.2.2		None	More efficient						
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				equipment	N					
				performance option.						
	R408.2.2	N1108.2.2	None	More efficient		Section has been updated. Review.				
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				performance				Potentially amend.		
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408-5 Skip	K4U8.2.3		ivone	Reduced energy use in service						
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				option.						
	R408.2.3	N1108.2.3	None	Reduced enery		Section has been updated. Review.				
				use in service						
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501-1	R501.1	N1109.1	None	Scope.		No changes.	GS - GENERA	HL	Adopt as written	Accept as written	
501-2	R501.1.1	N1109.1.1	MR	General.		Provides clarity as to the intent of the Energy code and Chapter			Adopt us written	Accept as written	
301 2	1.501.1.1	11103.1.1	1322.0100	General.		5 for Existing Buildings.			Adopt as written	Accept as written	
501-3	R501.2		Subp.3A None	Constitute							
Skip	K501.2		None	Compliance.						Accept as written	
	R501.2	N1109.2	None	Compliance		Section has been updated. Change code references to MN			Amend		
						State Building Code.					
501-4 Skip	R501.3	N1109.3	None	Maintenance.		No changes.			Adopt as written	Accept as written	
501-5	R501.4	N1109.4	MR	Compliance.		Section deleted, content moved to N1109.2.					
Skip			1322.0030 Subp. 1-11		Υ				Accept	Accept as written	
501-6	R501.5	N1109.4	None	New and		No changes.					
Skip				replacement materials.					Adopt as written	Accept as written	
501-7	R501.6	N1109.5	None	Historic		No changes.			Review in conjunction with MR		
				buildings.		Review in conjunction with MR 1300.0070 Subp. 12a Historical			1300.0070 Subp. 12a Historical	Accept as written	
						Building.			Building.	·	
	None	N1109.6	None	Change in space		New section, review in conjunction with MR1322.0100 Subp.			Adam as written and lane		
				conditioning.		3C & 4B.			Adopt as written, pull language out of 1322.		
									out 01 1322.		
				1	l	SECTION N1110 ADDITION	ONS		1		
502-1	R502.1		MR	General.		Very similar to MR 1322.0100 Subp. 3A, except that this section					
Skip			1322.0100			applies specifically to additions. It leaves the MN amendment					
			Subp. 3A			below. This statement could be added as an amendment to					
					Υ	R503 at R503.1.1.2				Accept as written	
						"Attic insulation shall not be installed unless accessible attic				·	
						bypasses have been sealed. An attic bypass is any air					
						passageway between a condidtioned space and an unconditioned attic."					
	R502.1	N1110.1	MR	General		Section has been updated. No longer addresses the unaltered					
	N302.1	NIIIO.I	1322.0100	General		portion of the building, see N1109.1.1 for that content.			Adopt as written		
			Subp. 3A			portion of the building, see WIIO3.1.1 for that content.			Adopt us written		
502-2	R502.2		MR	Change in space		Adds 3 exceptions not listed in the MRE that allow the added					
			1322.0100	conditioning.	Υ	space to be viewed with the existing for total performance.				Accept as written	
			Subp. 3C	Ĭ							
	R502.2	N1110.2	MR	Change in space		Section deleted and moved to N1109.6.					
			1322.0100	conditioning.	Υ				Accept		
			Subp. 3C								
502-3	R502.3		MR	Prescriptive		Specific to additions.					
Skip			1322.0100	compliance.	Υ					Accept as written	
			Subp. 3A								
	R502.3	N1110.2	MR	Prescriptive		Minor changes.					
			1322.0100	compliance.	Y				Adopt as written		
502-4	R502.3.1		Subp. 3A	Building		Drovidos clarity for proceedativo accessing					
502-4 Skip	N5U2.3.1		None	Building envelope.	N	Provides clarity for prescriptive compliance, including exemption for air leakage testing.				Accept as written	
JKIP				envelope.		exemplion for all leakage testing.					

	R502.3.1 N1110.2.1 None Building thermal					Minor changes.		<u> </u>		
	N3U2.3.1	N1110.2.1	None	envelope	N	Williof Changes.		Adopt as written		
				·				,		
502-5 Skip	R502.3.2		None	Heating and cooling systems.	N	Clarity for ductwork. Exempts ductwork extended from existing to an addition.			Accept as written	
ЗКІР				cooling systems.	IN	existing to an addition.			Accept as written	
	R502.3.2	N1110.2.2	None	Heating and		Minor changes.				
				cooling systems.	N			Adopt as written		
502-6	R502.3.3	N1110.2.3	None	Service hot	N	Minor changes.		Adopt as written	Accept as written	
502-7	R502.3.4	N1110.2.4	Ness	water systems.	N	No substantius shares in 174				
502-7	None	N1110.2.4 N1111.1.5	None None	Lighting. Additional	IN	No substantive change in '24. New content. Review.		Adopt as written	Accept as written	
	None	141111.1.5	Ivone	efficiency credit		New content. Neview.				
				requirements				Deview with TAC		
				for substantial				Review with TAG.		
				improvements						
						SECTION N1111 ALTER.	ATIONS			
503-1	MR		R503.1	General.		Very similar to MR 1322.0100 Subp. 3A, except that this section				
	1322.0100 Subp. 3A				Υ	applies specifically to alterations.			Accept as written	
503-2	MR		R503.1.1	Building		Exceptions 1-3 are identical in the MRE. Siding is not				
	1322.0100			envelope.	Υ	specifically noted in the exception in the '21.		AM - Consider adding Exception #9 from MRE.	Accept as written	
	Subp. 3A							exception #9 from wike.		
	N1111.1.1		N1111.1.1	Building thermal		Changes to title and major changes to N1111.1.1				
				envelope						
503-3	R402.3.6		R503.1.1.1	Replacement		Clarity for replacement fenestration.			Accept as written	
	N1111.1.1.1		N1111.1.1.1	fenestration.		Minor changes to section N1111.1.1.1			Accept us written	
	NIIII.I.I.I		NIIII.I.I.I	alterations		Millor changes to section MIIII.I.I.				
			N1111.1.1.2	Roof, ceiling and		New section in Model 2024 Chapter 11.				
				attic alterations						
			N1111.1.1.3	Above-grade		New section in Model 2024 Chapter 11.				
				wall alterations						
			N1111.1.1.4	Floor alterations		New section in Model 2024 Chapter 11.				
			N1111.1.1.5	Below-grade		New section in Model 2024 Chapter 11.				
			NAAA	wall alterations		Manager I Adapt 2004 Class of				
		1	N1111.1.1.6	Air barrier		New section in Model 2024 Chapter 11.				
503-4			R503.1.2	Heating and		Clarity for ductwork. Exempts ductwork extended from				
				cooling systems.		existing to an addition.				
	N1111.1.2		N1111.1.2	Heating and		Major changes to section N1111.1.2				
				cooling systems.						
			Nagaria	D. d. ed		Clark food at a de Francis I a de la factoria				
			N1111.1.2.1	Ductwork		Clarity for ductwork. Exempts ductwork extended from existing to an addition.				
			N1111.1.2.2	Systems sizing		New section in Model 2024 Chapter 11.				
			N1111 1 2 2	Duct system		New section in Model 2024 Chapter 11.				
			IV1111.1.2.3	Duct system leakage		New Section in Model 2024 Chapter 11.				
			N1111.1.2.4			New section in Model 2024 Chapter 11.				
		<u> </u>								

503-5			Service hot	Clarity for alterations.			Accept as written	
	MR 1322.0100 Subp. 3A, #7	R503.1.4	water systems. Lighting.	Reduces requirement from 50% to 10%.			Accept as written	
		N1111.1.5	Additional efficiency credit requirements for substantial improvements	New section in Model 2024 Chapter 11.				
				SECTION R504 REPAIR	RS			
504-1		R504.1	General.				Accept as written	
	MR 1322.0100 Subp. 3A, #2 & #8.	R504.2	Application.	Item #1 for glass is the same in MRE (item #2). Item #2 is not located verbatim in the MRE. Item #3 is basically item #8 in the MRE.			Accept as written	
				SECTION R505 CHANGE OF OCCUP	PANCY OR U	SE		
	MR 1322.0100 Subp. 3B	R505.1	General.	Clarity for a change of occupancy or use. No longer contingent on an increased demand for fossil fuel or electricity. Addresses all forms of consumption and allows an exception when viewing the building from a total performance perspective.			Accept as written	