		24 ICC					C-f-+- 0					
Item	21 ICC Code	Code	MN Code	Code Section	Current MN		Safety & Health	Cost	Staff Recommendation:	21 TAG Recommend:	24 TAG Recommend:	
Number	Section	Section	Section	Heading/	Amendment?	Description of change(s) to code language	Value?	Impact?	Accept/Amend/Delete	Accept/Amend	Accept/Amend	Comments:
		5000000		Code Topic	Y or N			e, L - Low		,		
1322-01	MR			General.		Update reference to 2024 IECC, note sections 1101.6 through						
	1322.0010				Υ	1113.1.1 as opposed to chapters 2-5.			AM - Update reference to 2024.			
	Subp 1											
1322-02	MR			Mandatory		Update reference to 2024 IECC, note sections 1101.6 through						
	1322.0010			chapters.	Υ	1113.1.1 as opposed to chapters 2-5.			AM - Update reference to 2024.			
	Subp 2			_								
1322-03	MR 1322.0010			Replacement	Υ				A Adams			
	Subp 3			chapters.	Y				A - Adopt as written			
1322-04	MR			Administration.								
1322 04	1322.0015			Administration.	Υ				A - Adopt as written			
	Subp 1											
1322-05	MR			Purpose.								
	1322.0015				Υ				A - Adopt as written			
	Subp 2											
1322-06	MR			Generally.								
	1322.0030				Y				A - Adopt as written			
1322-07	Subp 1 MR			Building code.								
1322-07	1322.0030			bulluling code.	Y				A - Adopt as written			
	Subp 2								A Adopt as written			
1322-08	MR			Residential								
	1322.0030			code.	Υ				A - Adopt as written			
	Subp 3											
1322-09	MR			Electrical code.								
	1322.0030				Υ				A - Adopt as written			
1322-10	Subp 4 MR			Fuel gas code.								
1322-10	1322.0030			i dei gas code.	Υ				A - Adopt as written			
	Subp 5											
1322-11	MR			Mechanical								
	1322.0030			code.	Υ				A - Adopt as written			
	Subp 6											
1322-12	MR			Plumbing code.								
	1322.0030 Subp 7				Y				A - Adopt as written			
1322-13	MR			Private sewage								
1322-13	1322.0030			disposal code.	Υ				A - Adopt as written			
	Subp 8											
1322-14	MR			Energy								
	1322.0030			conservation	Υ				A - Adopt as written			
	Subp 9			code.								
1322-15	MR			Property					A Ad-ut			
	1322.0030 Subp 10			maintenance code.	Υ				A - Adopt as written			
1322-16	MR			Accessibility								
1022 10	1322.0030			code.	Υ				A - Adopt as written			
	Subp 11								,			
1322-17	MR			Administrative								
	1322.0040			procedure	Υ				A - Adopt as written			
				criteria.								
1322-18	MR			Administration.	,,,				A Ad			
	1322.0100 Subp 1				Υ				A - Adopt as written			
	Supp 1											

1322-19 (Code Change Submitted - RE-1)	MR 1322.0100 Subp 2			Scope.	Y	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 book??). Consider repealing this altogether in favor of language in IECC "RA01.1 Scope". 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 book in the scoping? Review CCP RE-1. If the definition for "Residential Building" is changed per CCP RE-15, RE-1 is likely not necessary.		AM -		
1322-20	MR 1322.0100 Subp 3			Applicability.	Υ	NA				
1322-21	MR 1322.0100 Subp 3A			Additions, alterations, renovations, or repairs.	Υ	Section needs update in light of Chapter 5 Existing Buildings in '21 IECC (R503).		AM - now addressed in R502.		
1322-22	MR 1322.0100 Subp 3B			Change in occupancy or use.	Y	Section needs update in light of Chapter 5 Existing Buildings in '21 IECC (R505). Might not be needed.		AM - now addressed in R502.		
1322-23	MR 1322.0100 Subp 3C			Change in space conditioning.	Υ	Section needs update in light of Chapter 5 Existing Buildings in '21 IECC (R502.2). Might not be needed.		AM - now addressed in R502.		
1322-24	MR 1322.0100 Subp 3D			Mixed occupancy.	Υ	See also Section C101.4.1 in 2021 IECC-C for similar model code language. Might not be needed.		AM -		
1322-25	MR 1322.0100 Subp 4			Compliance.	Υ			A - Adopt as written		
1322-26	MR 1322.0100 Subp 4A			Compliance materials.	Υ			A - Adopt as written		
1322-27	MR 1322.0100 Subp 4B			Low energy buildings.	Υ	Contain is nearly the same language in the IECC-R under Section R402.1. Also see proposed CCP RE-34		Repeal MN amendment.		
1322-28	MR 1322.0103		R103.2 R103.2.1	Construction documents.	Y	This section is nearly the same as section R103.2 with slight 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 wattage and control narrative". These two items have little to 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.		Repeal MN amendment.		
						Section	1			
	R101.2/R20 1.1	1101.1		Scope.						
	R101.3	1101.2		Intent.						
	R101.5.1	1101.3		Compliance materials.						
	R102.1.1	1101.4		Above code programs.						
		1101.5		Information on construction documents.						
		1101.5.1		Building thermal envelope depiction.						

				Solar-ready							
		1101.5.2		system.							
		1101.6		Defined terms.							
202-1	R202		R202	Definition: Above-grade wall	N	Definitions are identical across codes, skip. "A wall more than 50 percent above grade and enclosing conditioned space. This includes between-floor spandrels, peripheral edges of floors, roof and basement knee walls, dormer walls, gable end walls, walls enclosing a mansard roof and skylight shafts."		A - Adopt as written	А		
202-2	R202		NA	MN Amended Definition: Accessible	Y	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "Signifies access that requires the removal of an access panel or similar removeable obstruction."		Recommend to Repeal.	R		
202-3	R202		NA	MN Amended Definition: Accessible, Readily	Y	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "Signifies access without the necessity for remvoing a panel or similar obstruction."		Recommend to Repeal.	А		
202-4	R202		R202	Definition: Access (to)	N	New definition - does not exist in the 2015 MRE. "That which enables a device, appliance or equipment to be reached by <i>ready occess</i> or by a means that first requires the removal or movement of a panel or similar obstruction."			А		Definitions should not include the word they are defining. "Ready Access" is also a defined term which does not include the word "access."
202-5	R202		R202	Definition: Addition	N	Definition is in the 2015 MRE as model code language, but the language has been updated in the 2021 IECC. "An extension or increase in the conditioned space floor area, number of stories or height of a building or structure."			А		We may be coming back to this regarding addition as a change from unconditioned space to conditioned space. Especially with Residential and Multi-family
	N1101.6		N1101.6	Definition: Addition	N	2024 Changed language. ADDITION. An extension or increase in https://doi.org/10.1001/jtms.2021/ floor area, number of stories or height of a building or structure.		A - Adopt as written			
202-6	R202		R202	Definition: Air barrier	N	Definition is in the 2015 MRE as model code language, but the language has been updated in the 2021 IECC. "One or more materials joined together in a continuous manner to restrict or prevent the passage of air through the building thermal envelope and its assemblies."		A - Adopt as written	А		
202-7	R202		NA	MN Amended Definition: Air circulation, forced	Y	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A means of providing space conditioning using movement of air through ducts or plenums by mechanical means."			А		Table and consider removing after review of 403
	N1101.6		N1101.6	MN Amended Definition: Air circulation, forced	Y	Definition is in MRE as a MN Amendment, not located in IRC chapter 11 "A means of providing space conditioning using movement of air through ducts or plenums by mechanical means."		Repeal		Repeal	
202-8	R202		NA	MN Amended Definition: Air, exhaust	Y	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "Air discharged from any space to the outside by the residential ventilation system."			Repeal		
	N1101.6		N1101.6	MN Amended Definition: Air, exhaust		Definition is in MRE as a MN Amendment, not located in IRC Chapter 11 "Air discharged from any space to the outside by the residential ventilation system."		Repeal		Repeal	
202-9	R202		NA	MN Amended Definition: Air, outdoor	Y	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "The air that is taken from the external atmosphere, and therefore not previously circulated through the HVAC system or the conditioned space."			АМ		unamended in MN Mechanical code. Consider defining outside as outdoor, beyond the building envelope.
	N1101.6		N1101.6	MN Amended Definition: Air, outdoor		Definition is in MRE as a MN Amendment, not located in IRC Chapter 11. "The air that is taken from the external atmosphere, and therefore not previously circulated through the HVAC system or the conditioned space."		Repeal		Repeal	

202.10	D202	10.0	DANI Amend 1		Definition in in NADE NAME Association at 111 0000	1	1			to alcode a LIDVII- and EDVII- MARIE
202-10	R202	NA	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021					Includes HRV's and ERV's. Will
			Definition:		IECC.					include definition of ventilation.
	1		Air-conditioning	Υ	"A system that consists of heat exchangers, blowers, filters,	1		Repeal		Model mechancial code. Will need a
	1		system		and supply, exhuast, and return-air systems and includes any					robust conversation regarding
					apparatus installed in connection with the system."					ventilation.
	N1101.6	N1101.6	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021					
			Definition:		IECC.					
			Air-conditioning		"A system that consists of heat exchangers, blowers, filters,		Repeal		Repeal	
			system		and supply, exhuast, and return-air systems and includes any					
					apparatus installed in connection with the system."					
	N1101.6	N1101.6	Definition: Air-		New Definition in IRC Chapter 11: AIR-HANDLING UNIT. A					
			handling unit	N	blower or fan used for the purpose of distributing supply air		A -Adopt as written		Repeal	
			and and	.,	to a room, space or area.				cpcu.	
202-11	R202	NA	Definition:		Definition is in the 2015 MRE as model code language, but					
-72 11			Alteration		the language has been updated in the 2021 IECC.					
			Aiteration							
				N	"Any construction or renovation to an existing structure other		A Adopt 124 language (same == 124)	Amend to match		
				N	than repair or addition that requires a permit. Also, a change		A - Adopt '24 language (same as '21).	second printing		
					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		Term is in both codes but definition in MRE is a MN					
	1		Definition:		Amendment.					
	1		Approved		""Approved" means approval by the building official, pursuant					
	1			Υ	to the State Building Code, by reason of: inspection,			Repeal		
				'	investigation, or testing; accepted principles; computer			nepeai		
	1				simulations; research reports; or testing performed by either a					
	1				licensed engineer or by a locally or nationally recognized	1				
					testing laboratory."					
202-13	R202	R202	Definition:		New definition - does not exist in the 2015 MRE.					
			Approved		"An established and recognized agency that is regularly					
			Agency	N	engaged in conducting tests or furnishing inspection services,		A - Adopt as written	Α		
			J,		or furnishing product certifications, where such agency has		,			
					been approved by the code official."					
	1		Approved		been approved by the code official.					
	1		Source			1	A - Adopt		Adopt	
202-14	R202	R202	Definition:		Definitions are identical in MRE & IECC.					
202-14	11202	NZUZ	Automatic		Self-acting, operating by its own mechanism when actuated by					
			Automatic	N.			A Ad-ut			No Change from 124 to 124
				N	some impersonal influence, as, for example, a change in		A - Adopt as written	Α		No Change from '21 to '24.
					current strength, pressure, temperature or mechanical					
			- 6		configuration (see "Manual").					
	N1101.6	N1101.6	Definition:		New definition in IRC Chapter 11: AUTOMATIC SHUTOFF	1				
			Automatic		CONTROL. A device capable of automatically turning loads off					
			Shutoff Control		without manual intervention. Automatic shutoff controls					
	1				include devices such as, but not limited to,		A - Adopt as written		Accept	
	1				occupancy sensors, vacancy sensors, door switches,					
					programmable time switches (i.e., timeclocks) or count-down					
	1				timers.	<u></u>				

202-15 (Alternate	R202	NA	MN Amended Definition:		Definition is in MRE as a MN Amendment, not located in 2021 IECC.					Has been an issue. May need to add clarifying language. Does this include
Definition Submitted)			Balanced System	Y	"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		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 code Tabled.
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	
<i>-</i>	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	a		
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	
202-29	R202	R202	Definition: Continuous air barrier	N	Definitions are identical across codes. "A combination of materials and assemblies that restrict or prevent the passage of air through the building thermal envelope."		A - Adopt as written	А		
202-30	R202	R202	Definition: Continuous Insulation	N	New definition in '21, same in '24. "Insulating material that is continuous across all structural members without thermal bridges other than fasteners and service openings. It is installed on the interior or exterior, or is integral to any opaque surface of the building envelope.		A - Adopt as written	А		
	N1101.6	N1101.6	Definition: Continuous Pilot	N	New definition in the 2024 IRC Chapter 11: CONTINUOUS PILOT. A pilot which, once placed in operation, is intended to remain ignited continuously until it is manually interrupted.		A - Adopt as written		Accept	

202-31	R202	R202	Definition: Crawl space wall	N	Definition is the same across codes (def is not in 1st printing of '21, but is in 2nd printing).	A - Adopt as written	Amend to match		Added back into the second printing.
				IN .	"The opaque portion of a wall that encloses a crawl space and is partially or totally below grade."	A - Adopt as written	second printing		
202-32	R202	NA	Definition: Cubic feet per minute (CFM)	Y	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "The quantity of air moved in one minute. A measurement typically applied to ventilation equipment."	Repeal, not needed.	Repeal		Change "Quantity" to Volume.
202-33	R202	R202	Definition: Curtain wall	N	Definitions are identical across codes. "Fenestration products used to create an external nonload-bearing wall that is designed to separate the exterior and interior environments."	A - Adopt as written	А		
	N1101.6	N1101.6	Definition: Damper	N	New definition is in the 2024 IRC Chapter 11: A manually or automatically controlled device to regulate draft or the rate of flow of air or combustion gases.	A - Adopt as written		Accept	
202-34	R202	R202	Definition: Demand Recirculation Water System	N	Definition is in the 2015 MRE as model code language, updated in the 2021 IECC, minor change in '24, no substantive change. "A water distribution system where one or more pumps prime the service hot water piping with heated water upon demand for hot water."	A - Adopt as written	А		
	N1101.6	N1101.6	Definition: Demand Response Signal	N	New definition is in the 2024 IRC Chapter 11: A signal that indicates a price or a request to modify electricity consumption for a limited time period.	A - Adopt as written		Accept	
	N1101.6	N1101.6	Definition: Demand Responsive Control	N	New definition is in the 2024 IRC Chapter 11: A control capable of receiving and automatically responding to a demand response signal.	A - Adopt as written		Accept	
202-35	R202	R202	Definition: Dimmer	N	New definition in '21, same in '24. "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: Distribution System Efficiency (DSE)	N	New definition is in the 2024 IRC Chapter 11: A system efficiency factor that adjusts for the energy losses associated with delivery of energy from the equipment to the source of the load.	A - Adopt as written		Accept	
202-36	R202	R202	Definition: Duct	N	Definitions are identical across codes. "A tube or conduit utilized for conveying air. The air passages of self-contained systems are not to be construed as air ducts."	A - Adopt as written	А		
	N1101.6	N1101.6	Definition: Duct Airflow Balancing	N	New definition is in the 2024 IRC Chapter 11: The measurement and adjustment of the delivered airflow to the intended locations.	A - Adopt as written		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		A - Adopt as written		Accept	
202-38	R202	R202	Definition: Dwelling unit	N	conveys air to or from any space. 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	AM		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 defintion 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	R202	R202	Definition: Energy cost	N	Definitions are identical across codes. "The total estimated annual cost for purchased energy for the building functions regulated by this code, including applicable demand charges."		A - Adopt as written	А		
	N1101.6	N1101.6	Definition: Energy Rating Index (ERI)	N	New defintion in the 2024 IRC Chapter 11. A numerical integer value that represents the relative energy performance of a rated design or constructed dwelling unit as compared with the energy performance of the ERI Reference Design , where an ERI value of 100 represents the energy performance of the ERI Reference Design and an ERI value of 0 represents a rated design or constructed dwelling unit with zero net energy performance.		A - Adopt as written		Accept	

202-42	R202	NA R202	MN Amended Definition: Energy Recovery Ventilator (ERV) Definition:	Y	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A device or combination of devices applied to transfer energy and moisture from the exhaust air stream for use within the dwelling." Definitions are identical across codes.			AM		Energy Recovery Ventilation System is in Mechanical Code. Building Official is the approver by
			Energy Simulation Tool	N	"An approved software program or calculation-based methodology that projects the annual energy use of a building."		A - Adopt as written	А		definition of "Approved"
202-44	R202	R202	Definition: Entrance door	N	Definition is in 2015 MRE as unamended model code language and does not exist in '21 or '24 IECC. "Fenestration products used for ingress, egress and access in nonresidential buildings, including, but not limited to, exterior entrances that utilize latching hardware and automatic closers and contain over 50-percent glass specifically designed to withstand heavy use and possibly abuse."		Not needed.	Amend to delete		
202-45	R202	R202	Definition: ERI Reference Design	N	New definition in '21, unchanged in '24. "A version of the rated design that meets the minimum requriements of the 2006 IECC."		A - Adopt as written, I don't think we want to change the definition unless we amend the backstop of the ERI pathway.	А		Scale is base-lined at 2006. Different iterations of IECC have updated definitions of design for ERI Pathway. May be problems with 2021. Just as HERS got updated in 2024we should not just adopt as iswe should look at new definitions. Review in tandem with "Rated Design".
	N1101.6	N1101.6	Definition: Existing Building		New definition in the 2024 IRC Chapter 11. A building erected prior to the date of adoption of the appropriate code, or one for which a legal building permit has been issued.		A - Adopt as written		Accept	
202-46	R202	R202	Definition: Exterior wall	N	Definitions are identical across codes. "Walls including both above-grade walls and basement walls."			А		
202-47	R202	R202	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	R202	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		

	1		- c		I- 6 W 11				
202-49	R202	R202	Definition: F-		Definition is in 2015 MRE as unamended model code				
			Factor	N	language and does not exist in 2021 IECC.	A - Adopt as written	Α		
					"The perimeter heat loss factor for slab-on-grade floors (Btu/h	·			
	N1101.6	N1101.6	Definition: F-		× ft × °F) [W/(m × K)]." Definition is the same in 2024 Model Code as old F-Factor				
	N1101.6	N1101.6			definition.	Delete amended definition for F-			
			Factor (Thermal Transmittance)	N		Factor and Adopt as written	Α	Accept	
			Transmittance)		"The perimeter heat loss factor for slab-on-grade floors (Btu/h × ft × °F) [W/(m × K)]."	ractor and Adopt as written			
	N1101.6	N1101.6	Definition: Fuel		New defintion in the 2024 IRC Chapter 11. A natural gas,				
	N1101.6	NIIUI.6	Gas	N	manufactured gas, liquified petroleum gas or a mixture of	A - Adopt as written		Accept	
			GdS	IN	these.	A - Adopt as written		Accept	
	N1101.6	N1101.6	Definition: Fuel		New defintion in the 2024 IRC Chapter 11. Kerosene or any				
	N1101.6	N1101.6	Oil		hydrocarbon oil having a flash point not less than 100°F (38°C).	A - Adopt as written		Accept	
			Oli		inyurocarbon on naving a hash point not less than 100 F (38 C).	A - Adopt as written		Accept	
	N1101.6	N1101.6	Definition:		New defintion in the 2024 IRC Chapter 11. A reference plane				
	141101.0	141101.0	Grade Plane		representing the average of the finished ground level				
			Grade Flane		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	A - Adopt as written		Accept	
					more than 6 feet (1829 mm) from the building				
					between the structure and a point 6 feet (1829 mm) from the				
					building.				
					Sulfaing .				
	N1101.6	N1101.6	Definition: Heat		New defintion in the 2024 IRC Chapter 11. A device that				
			Exchanger		transfers heat from one medium to another.	A - Adopt as written		Accept	
202-50	R202	NA	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021				Definition found in the mechanical
			Definition:		IECC.				code. Use MN amended definition or
			Furnace	N	"A vented heating appliance designed or arranged to discharge	Repeal MN amendment.	AM	Repeal	unamended mechanical code
					heated air into a conditioned space or through a duct or				definition in 2020 MMC?
					ducts."				
202-51	R202	NA	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021				Look to definition of ERV and
			Definition:		IECC.	Repeal MN amendment. (getting rid			eliminate references to humidity.
			Heat recovery	Y	"A device or combination of devices applied to transfer energy	of ERV definition also)	AM	Repeal	
			ventilator		from the exhaust air stream for use within the dwelling."	or zav deminion disc,			
			(HRV)						
202-52	R202	R202	Definition:		Definitions are identical across codes.				
			Heated slab.	N	"Slab-on-grade construction in which the heating elements,		Α		
					hydronic tubing, or hot air distribution system is in contact				
202-53	R202	R202	Definition, Illiah		with, or placed within or under, the slab."				North-bab designation of the first
202-53	K2U2	K202	Definition: High		Definition is in the 2015 MRE as model code language, but				Match the second printing of the first edition.
			Efficacy Light		the term and definition has been updated in the 2021 IECC.				edition.
			Sources		Compact fluorescent lamps, light-emitting diode (LED) lamps, To				
				N	8 or smaller diameter linear fluorescent lamps or other lamps	A - Adopt as written	AM		
					with an efficacy of not less than 65 lumens per watt, or				
					luminaires with an efficacy of not less than 45 lumens per watt.				
					watt.				
	N1101.6	N1101.6	Definition: High		Definition does not exist in the 2024 IRC Chapter 11				
			Efficacy Light	N	The second of th	Not needed. Section 1104 sets the		Repeal	
			Sources			criteria.			
202-54	R202	R202	Definition:		New definition in '21, unchanged in '24.				TAG will discuss the current definition
			Historic Building		"Any building or structure that is one or more of the following:				in MR 1300, TAG wants definitions to
					1) Listed or certified as eligible for listing by the State Historic				match.
					Preservation Officer or the Keeper of the National Register of			Delete female	
				N	Historic Places, in the National Register of Historic Places. 2)	Delete		Delete for reason that it exists in 1300.	
					Designated as historic under an applicable state or local law. 3)			triat it exists in 1300.	
					Certified as a contributing resource within a National				
			1		Registered-listed, state-designated or locally designated				
					historic district."				
					•		•	•	

										_
202-55	R202	R202	Defintion:		Definitions are identical across codes.					
			Infiltration	N	"The uncontrolled inward air leakage into a building caused by		A - Adopt as written	Α		
					the pressure effects of wind or the effect of differences in the					
					indoor and outdoor air density or both."					
202-56	R202	R202	Definition:		New definition in '21, unchanged in '24.					
			Insulated siding	N	"A type of continuous insulation with manufacturer-installed		A - Adopt as written	Α		
					insulating material as an integral part of the cladding product		7. Taope as Willean	**		
					having an R-value of not less than R-2."					
202-57	R202	R202	Definition:		Definition are in all 3 codes, slightly updated in '21,					Have definition for continuous
			Insulating	N	unchagned in '24.		A - Adopt as written	А		insulation, not needed.
			sheathing	IN	"An insulating board with a core material having a minimum R-		A - Adopt as written	A		
					value of R-2."					
	N1101.6	N1101.6	Definition:		New defintion in the 2024 IRC Chapter 11. Type of ignition that					
			Intermittent		is energized when an appliance is called on to					
			Ignition		operate and that remains continuously energized during each					
			_	N	period of main burner operation and where the ignition is		A - Adopt as written		Accept	
					deenergized when the main burner operating cycle is					
					completed.					
	N1101.6	N1101.6	Definition:		New defintion in the 2024 IRC Chapter 11. Type of ignition that					
			Interrupted		is energized prior to the admission of fuel to the					
			Ignition	N	main burner and that is deenergized when the main flame is		A - Adopt as written		Accept	
			.6		established.					
	N1101.6	N1101.6	Definition: Knee		New defintion in the 2024 IRC Chapter 11. An above-grade wall					
	WIIOI.0	0.10110	Wall		assembly, or wall defined by vertical truss members, of any					
			vvaii	N	height that separates conditioned space from unconditioned		A Adopt as written		Accept	
				IN			A - Adopt as written		Accept	
					buffer spaces, such as ventilated attics and entry porch roofs,					
202.50	2202	2202	D (1 111		rather than ambient outdoors.					
202-58	R202	R202	Definition:		Definition has been updated in the '21, unchanged in the '24.					
			Labeled		"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					
				N	periodic inspection of the production of such labeled items		A - Adopt as written	Α		
					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."					
	N1101.6	N1101.6	Definition:	N	New defintion in the 2024 IRC Chapter 11. A fuel oil or		A - Adopt as written		Accept	
			Liquid Fuel	IN	biodiesel blend.		A - Adopt as written		Ассері	
202-59	R202	R202	Definition:		Definitions are identical across codes.					
			Listed		"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					
				N	equipment or materials or periodic evaluation of services and		A - Adopt as written	Α		
					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."					
					rested and round suitable for a specified purpose.					
202-60	R202	R202	Definition: Low-		Definitions are identical in MRE & IECC. Not in '24.					
202 00	1,202	1,202	voltage lighting	N	"Lighting equipment powered through a transformer such as a		Not needed.	А		
	1		voitage lighting	14	cable conductor, a rail conductor and track lighting."		not needed.	^		
	N1101.6	N1101.6	Definition: Low-		Definition does not exist in the 2024 IRC Chapter 11					
	NIIUI.6	N1101.6	voltage lighting	N	Deminition does not exist in the 2024 IKC Chapter 11		Not needed	Α	Delete	
	N11101 C	N14404 C			Now definition in the 2024 IDC Chartes 44. Cases with					
	N1101.6	N1101.6	Definition:		New defintion in the 2024 IRC Chapter 11. Space within a					
	1]	Living Space	N	dwelling unit utilized for living, sleeping, eating, cooking,		A - Adopt as written		Accept	
			- 0.11		bathing, washing and sanitation purposes.					
	N1101.6	N1101.6	Definition: Low		New defintion in the 2024 IRC Chapter 11. A roof slope less					
			Slope	N	than 2 units vertical in 12 units horizontal (17 percent slope).		A - Adopt as written		Accept	

202-61	R202	R202	Definition:		Definitions are identical across codes.					
			Manual	N	"Capable of being operated by personal intervention (see		A - Adopt as written	Α		
					"Automatic")."					
202-62	R202	NA	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021					Keep current amended language and
			Definition:		IECC.		AM - Keep MN Definition?? Is this			evaluate before finalizing. Consider
			Manufacturer's	Y	"Printed instructions included with equipment, the provision		necessary?	Α	Repeal	changing or removing the word
			Installation		of which is one of the conditions for listing and labeling."		necessary.			"printed".
			Instructions							
202-63	R202	NA	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021					Revisit amended definition
			Definition:	Y	IECC.		A - Adopt as written		Repeal	
			Mechanical		"The mechanical process of supplying conditioned or					
			ventilation		unconditioned air to, or removing it from, any space."					
202-63	R202	NA	MN Amended		Definition is in MRE as a MN Amendment, not located in 2021		Not needed as ventilation is now			Revisit amended definition
			Definition:	Υ	IECC.		found in the IRC mechanical		Repeal	
			Mechanical		"The mechanical process of supplying conditioned or		provisions		переш	
			ventilation		unconditioned air to, or removing it from, any space."		provisions			
202-64	R202	R202	Definition:		New definition in '21, unchanged in '24.					
			Occupant	N	"An automatic control device that detects the presence or		A - Adopt as written	Α		
			sensor control		absence of people within an area and causes the lighting,					
					equipment or appliances to be regulated accordingly."					
	N1101.6	N1101.6	Definition:Occu		New defintion in the 2024 IRC Chapter 11. An enclosed space					
			piable Space		intended for human activities, excluding those					
				N	spaces intended primarily for other purposes, such as storage		A - Adopt as written		Accept	
					rooms and equipment rooms, that are only intended to be		7 Adopt as Witten		посре	
					occupied occasionally and for short periods of time.					
	N1101.6	N1101.6	Definition: On-		New defintion in the 2024 IRC Chapter 11. A pilot that, once					
			Demand Pilot		placed into operation, is intended to remain ignited for a					
					predetermined period of time following an automatic or					
				N	manual operation of the main burner gas valve, after which		A - Adopt as written		Accept	
					the pilot is automatically extinguished when no automatic or					
					manual operation of the main burner gas valve occurs during					
					the predetermined period of time.					
202-65	R202	R202	Definition: On-		New definition in '21, unchanged in '24.					
202-03	11202	NZ0Z	Site Renewable	N	"Energy from renewable energy resources harvested at the		A - Adopt as written	А		
			Energy	14	building site."		A - Adopt as written	^		
202-66	R202	R202	Definition:		New definition in '21, unchanged in '24.					
202 00			Opaque door	N	"A door that is not less than 50 percent opaque in surface		A - Adopt as written	А		
			opaque aco.	.,	area."		7. Adopt as written	· ·		
REVISIT	N1101.6	N1101.6	Definition:		New defintion in the 2024 IRC Chapter 11. An enclosed portion					
			Plenum		of the building structure, other than an occupiable space					
				N	being conditioned, that is designed to allow air movement and		A - Adopt as written		Table, review with	
					thereby serve as part of the supply or				code section	
					return ductwork .					
202-67	R202	NA	MN Amended		Definitions are identical in MRE & IECC.					Amend to add-in per second printing.
			Definition:	l ,	"A description of the proposed building used to estimate					
			Proposed	Υ	annual energy use for determining compliance based on total			AM		
			design		building performance."					
202-67		N1101.6	Definition:		New defintion in the 2024 IRC Chapter 11. A description of the					
			Proposed	V	proposed dwelling unit used to estimate		A Adam			
			Design	Υ	annual energy use for determining compliance based on		A - Adopt as written		Accept	
					simulated building performance.					
		N1101.6	Definition:		New defintion in the 2024 IRC Chapter 11. A material having a					
			Radiant Barrier	N	low emittance surface of 0.1 or less installed in		A - Adopt as written		Accept	
1	1	1		I	building assemblies.					
		N1101.6	Definition:	N	simulated building performance. New defintion in the 2024 IRC Chapter 11. A material having a low emittance surface of 0.1 or less installed in		A - Adopt as written		Accept	

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202-68	R202	R202	Definition: Rated Design		New definition in '21, unchanged in '24. "A description of the proposed building used to determine the energy rating index."					Need to add definition for Energy Rating Index. Is referenced in the book indexso it may be somewhere.
				N			A - Adopt as written	А		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 of any panel or similar obstruction."		A - Adopt as written	А		Matches mechanical code.
		N1101.6	Definition: Reflective Insulation	N	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 R406.7.3.
	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	
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.	АМ		GSM to write AM

202-75	R202	R202	Definition: Roof		Definition is in 2015 MRE as unamended model code				Amend to include per second
			Assembly	N	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.	AM		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 Replacement	N	Revised definition in the 2024 IRC Chapter 11. An alteration that includes the removal of all existing layers of roof assembly materials down to the roof deck and the installation of replacement materials above the existing roof deck.	A - Adopt as written		Accept	
202-79	R202	R202	Definition: R - Value (Thermal resistance)	N	Definitions are identical across codes. The inverse of the time rate of heat flow through a body from one of its bounding surfaces to the other surface for a unit temperature difference between the two surfaces, under steady state conditions, per unit area (h · ft2 · ° /Btu) [(m2 · K)/W].		А		
202-80	R202	R202	Definition: Service water heating	N	Definitions are identical across codes. "Supply of hot water for purposes other than comfort heating."	A - Adopt as written	А		
		R202	Definition: Simulated Building Performance	N	New definition in the 2024 IRC Chapter 11. A process in which the proposed building design is compared to a standard reference design for the purposes of estimating relative energy use to determine code compliance.	A - Adopt as written		Accept	
202-81	R202	R202	Definition: Skylight	N	Definition is in 2015 MRE as unamended model code language and does not exist in 2021 IECC. "Glass or other transparent or translucent glazing material installed at a slope of less than 60 degrees (1.05 rad) from horizontal. Glazing material in skylights, including unit skylights, solariums, sunrooms, roofs and sloped walls is included in this definition."	Not needed.	А		The term "Skylight" is included in the definition for "Fenestration".
		R202	Definition: Sleeping Unit	N	New defintion in the 2024 IRC Chapter 11. A single unit that provides rooms or spaces for one or more persons, includes permanent provisions for sleeping and can include provisions for living, eating and either sanitation or kitchen facilities but not both. Such rooms and spaces that are part of a dwelling unit are not sleeping units.	A - Adopt as written		Accept	
202-82	R202	R202	Definition: Solar heat gain coefficient (SHGC)	N	Definitions are identical across codes. "The ratio of the solar heat gain entering the space through the fenestration assembly to the incident solar radiation. Solar heat gain includes directly transmitted solar heat and absorbed solar radiation that is then reradiated, conducted or convected into the space."	A - Adopt as written	А		

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		R202	Definition: Solar-	-	New defintion in the 2024 IRC Chapter 11. A section or					
			Ready Zone	N	sections of the roof or building overhang designated and		A - Adopt as written		Accept	
				• •	reserved for the future installation of a solar photovoltaic or		A Adopt as written		Ассере	
					solar thermal system.					
		R202	Definition:		New defintion in the 2024 IRC Chapter 11. The treatment of air					
			Space	N	so as to control the temperature, humidity, filtration and		A Ad			
			Conditioning	IN	distribution of the air to meet the requirements of a		A - Adopt as written		Accept	
					conditioned space.					
		R202	Definition:		New defintion in the 2024 IRC Chapter 11. The heat					
			Space		exchangers, air-handling units, filter boxes and any apparatus					
			Conditioning		installed in connection therewith used to provide space		A - Adopt as written		Accept	
			Equipment		conditioning.					
202.02	R202	R202			· ·					
202-83	K2U2	K202	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					
			Steep Slope		vertical in 12 units horizontal (17 percent slope) or greater.		A - Adopt as written		Accept	
		R202	Definition:		New defintion in the 2024 IRC Chapter 11. Any repair ,					
	1		Substantial		reconstruction, rehabilitation, alteration , addition					
			Improvement		or other improvement of a building or structure, the cost of					
			improvement		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	
				IN	substantial improvement regardless of the actual repair work		A - Adopt as written		Ассері	
					performed. Substantial improvement does not include the					
					following:					
					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.					
			Sunroom	N	"A one-story structure attached to a dwelling with a glazing		A - Adopt as written	Α		
				IN	area in excess of 40 percent of the gross area of the structure's		A - Adopt as written	^		
					exterior walls and roof."					
		R202	Definition:		New defintion in the 2024 IRC Chapter 11. The sum of the					
			Testing Unit		area of ceiling, floors and walls separating a dwelling unit or					
			Enclosure Area		sleeping unit's conditioned space from the exterior or from					
			Eliciosul C Al ed	N	adjacent conditioned or unconditioned spaces. Wall height		A - Adopt as written		Accept	
				IN	,]	A Adopt as writtell		лссері	
					shall be measured from the finished floor of the dwelling unit					
					or sleeping unit to the underside of the floor above.					
			- 0							
202-85	R202	R202	Definition:		New definition in '21, unchanged in '24.					Part of the Resdidential ANSI 380 or
			Thermal		"The resistance to changes in air heat as air is conveyed					301 standard for performance
			Distribution		through a distance of air duct. TDE is a heat loss calculation					compliance. If don't do a total duct
			Efficiency (TDE)		evaluating the difference in the heat of the air between the air					leakage test, then makes more
			, , ,	N	duct inlet and the outlet caused by differences in temperatures		A - Adopt as written	Α		challenigng to gain the required HERS
					between the air in the duct and the duct material. TDE is					rating. See appendix C.
										ruding. See appendix C.
					expressed as a percent difference between the inlet and outlet					
202.00	D202	2222	D-6:		heat in the duct."					
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	Α		
					zones for heating and cooling or conditioned by separate]				
	1				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		R202	Definition:		Definitions are identical in MRE & IECC.						Includes boundary air films.
(Alternate Definition Submitted)				U-Factor (thermal transmittance)	N	"The coefficient of heat transmission (air to air) through a building component or assembly, equal to the time rate of heat flow per unit area and unit temperature difference between the warm side and cold side air films (Btu/h x ft2 x °F) [W/(m2 x K)]."			A - Adopt as written	А		
202-89	R202		R202	Definition: Ventilation	N	Definitions are unchanged across codes. "The natural or mechanical process of supplying conditioned or unconditioned air to, or removing such air from, any space."			A - Adopt as written	А		Will Revisit.
202-90	R202		R202	Definition: Ventilation air	N	Definitions are identical across codes. "That portion of supply air that comes from outside (outdoors) plus any recirculated air that has been treated to maintain the desired quality of air within a designated space."			A - Adopt as written	А		
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		
301-1	R301.1	1101.7	R301.1	Climate zones,		Chapter Minor changes to text. Same net outcome.						Recommend that Zone 5 upgrade to
				general.	N		N	N	A - Adopt as written	AM		Zone 6. Will coordinate.
301-2 (Code Change Submitted - RE-2)	Figure R301.1	Figure 1101.7	Figure R301.1	Climate zone map.	N	Updated climate zone map.			A - Adopt as written	АМ		
301-3 (Code Change Submitted - RE-2)	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.			АМ	АМ		Amend to delete non-minnesota data.
301-4	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	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	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	AM		Amend to delete Zones 1-5

301-7	None	1101.8	R301.4	Tropical Climate	N	New section with no affect on Minnesota. Suggest deleting.	N	N	Delete	AM		Delete
			1	region.	.,	SECTION R302 DESIG	N CONDITIO		- Service			
R302-1	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)	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(?).			AM			RE-3.1 Supported.
						SECTION R303 MATERIAL, SYS	TEMS AND E	QUIPMENT			1	
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	R303.1.1	1101.10.1	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	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	Α		
303-4	R303.1.2	1101.10.2	R303.1.2	Insulation Mark Installation.	N	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		

	1			1		1			1			
	N1101.10.2	1101.10.2		Insulation Mark Installation.	N	Changed definition: N1101.10.2 (R303.1.2) 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 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	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).	L		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	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	R303.1.4.1	1101.10.4.1	R303.1.4.1	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	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.	z	N	A - Adopt as written	А		
303-9	R303.1.5		NA	Minnesota Thermal Insulation Standards.	N	Section does not exist in the IECC. Renumber to 303.1.6 and retain existing amendment as follows: Thermal insulation shall comply with Minnesota Rules, Chapter 7640, Minnesota Thermal Insulation Standards, adopted by the Department of Commerce.	L	L	AM			DLI will study to see if still necessary.

				1					T		1	
		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:						
						The enclosed airspace is unventilated. The enclosed airspace is bounded an one or more sides by						
						2. The enclosed airspace is bounded on one or more sides by					Table, waiting for	
						an anchored masonry veneer constructed in accordance with			A - Adopt as written		CCP to review.	
						Chapter 7, and vented by veneer weep holes					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.						
303-10		1101.11	R303.2	Installation.		Updated section now includes reference to IRC.						Adjust to reference all of 2024 IRC
						Materials, systems and equipment shall be installed in						chapters.
					N	accordance with the manufacturer's installation instructions			A - Adopt as written	Α		
						and the International Building Code or the International						
						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.						
				exposed	N		N	N	A - Adopt as written	Δ		
				foundation	.,				A Adopt us written			
				insulation.								
		N1101.11.2		Radiant Barrier		New section: Where installed, radiant barriers shall comply					Table, waiting for	
					N	with the requirements of ASTM C1313/C1313M and shall be	N	N	A - Adopt as written		CCP to review.	
202.42	2202.2	1101 12	D202.2			installed in accordance with ASTM C1743.						
303-12	R303.3	1101.12	R303.3	Maintenance information.	N	One word changed: "accessible" label in MRE, "visible" label in IECC.	N	N	A - Adopt as written	Α		
401-1	R401.1		R401.1	Scope.		No "scope" section in N11. May need this if Energy is stand						This could replace language in MR
401-1	11401.1		11401.1	эсоре.	N	alone book.	N	N	A - Adopt as written	A		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						1322.0100 3dbp. 2 3copc .
				Compliance.	N	'21, plus the "Existing Buildings" content, the language needs			A - Adopt as written	Α		
						updating.						
401-3	NA	1101.13.1	R401.2.1	Prescriptive		This and the following sections provide guidance to						
				option.		understand which subsequent sections must be used						
						depending on the compliance path chosen. This guides the				•		
					N	user to N1101 General, N1102 Building Thermal Envelope,				А		
						N1103 Systems, 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.						
				performance	N					A		
				option.								
		N1101.13.2		Total Simulated	-[Modified section: The Total Simulated Building Performance						
				Building		Compliance Option requires compliance with Section N1105.						
				Performance	N		N	N	A - Adopt as written		Accept	
				Option								
104 5	1	1101 10 0	D404 2 2	5 0.:		The state of the s						
401-5	NA	1101.13.3	R401.2.3	Energy Rating	N	This path guides the user to N1106 ERI option.						
				Index (ERI)	N					А		
401 G	NA	1101 12 4	R401.2.4	option.		This noth guides the uses to N1107 Trenied Climate Basics						
401-6	NA	1101.13.4	N4U1.2.4	Tropical climate	N	This path guides the user to N1107 Tropical Climate Region	N	N	AM - Delete section.	AM		
				region option.	IN	Compliance Path. No relevance to MN as we are not tropical.	IN	IN	ANI - Delete Section.	CIVI		
				L	l	l .	l		l .			

401-7 (Code	NA		R401.2.5	Additional energy		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			
Change Submitted - RE-5.1)				efficiency.	N				author and resubmitted for review.	A		
	N1101.13.5		N1101.13.5	Additional energy efficiency.	N	Section moved - N1108	N	N	0		Nothing needs to be done.	
401-8	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 and, where applicable, the additional efficiency measures selected for compliance with Section N1108. 8. The location and dimensions of a solar-ready zone where one is provided.			AM - Combine relevant and best language between MRE & IECC.			
		<u> </u>	<u> </u>			SECTION R402 BUILDING T	THERMAL EN	VELOPE		.	1	
402-1	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	N1102.1	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.			
402-2	NA	1102.1.1	R402.1.1	Vapor retarder.	N	Provides a pointer to R702.7.	Ν	N	A - Adopt as written	AM		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		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 criteria.		Minor changes by adding F-Factor to the section.			A - Adopt as written			
402-4 (Code Change Submitted - RE-12)	Table R402.1.3		Table R402.1.2	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	М	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	1	Maximum		The Table has changed dramatically. Need to review.					
		1102.1.2		assembly U-factors and fenestration requirements.		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		
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		
402-6 (Code Change Submitted - RE-6.1)	Table R402.1.3		Table R402.1.1	Insulation Minimum R- values and Fenestration Requirements by Component.	Υ	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		
402-7	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	A	
402-8 (Code Change Submitted - CCP RE-21)	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	A	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.		
	R402.4.4	N1102.1.6	None	Rooms containing fuel- burning appliances.	N	Not in '20, minor changes between '21 & '24.			Amend or delete entirely. Chris R to draft a CCP.		_

402-9	R402.2	1102.2	R402.2	Specific		The word "(Prescriptive)" was removed in the '21. '24 expands					
402-9	K4UZ.Z	1102.2	K4UZ.Z	insulation	N	to include one additional section with reference to 1102.2.3	N	N	A - Adopt as written	Δ	
				requirements.	l N	Attic knee wall.	IN.		A - Adopt as written	^	
402-10	R402.2.1		R402.2.1	Ceilings with		This section reads essentially the same as in the MRE, except					Amend to delete first sentence.
(Code				attic spaces.		the R values are increased to parallel those in Table R402.1.3.					Delete "with attics." RE-23 voted
Change				·		Allows a reduced insulation value where a uniform thickness of					down.
Submitted -						insulation can be accommodated due to an adequately tall					
CCP RE-23)						energy heel.					
001 112 207					N	chergy need	1	М	AM - Delete first sentence.	AM	
					.,	Suggest deleting first sentence, as R-49 only applies to Zone 3	-		7 III Belete III se sentence.		
						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.					
	R402.2.1	N1102.2.1	R402.2.1	Ceilings with	N	Same essence as '20 & '21, except attic insulation value has			Amend:		
	11402.2.1	141102.2.1	11402.2.1	attics.		reduced from '21 based on Table N1102.1.3.			Delete first sentence as R38 does not		
				attics.		reduced from 21 based on Table N1102.1.5.			pertain to CZ 6&7. Staff to draft CCP.		
						Where Section N1102.1.3 requires R-38 insulation in the			pertain to C2 007. Stair to draft CCr.		
						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.					
						These sections are nearly identical in both codes. There are					
402-11	R402.2.2		R402.2.2	Ceilings without	N	minor changes to the exact language in the IECC. The overall	N	N	A - Adopt as written	AM	Amend to delete section.
				attic spaces.		application is the same.					
				Ceilings without							
	R402.2.2	N1102.2.2	R402.2.2	attics	N	No technical changes, just minor tweaks to sentence structure.			A - Adopt as written		
	None	N1102.2.3	None	Attic Knee Wall	N	New section			A - Adopt as written		
	None	N1102.2.3.1	None	Roof Truss		New section					
				Framing							
				Separating							
				Conditioned	N				A - Adopt as written		
				and							
				Unconditioned							
				Space							
402-12	R402.2.3	N1102.2.4	R402.2.3	Eave baffle		Language update in the '24, the overall outcome is the same.					Modify title to read "Wind wash
(Code						CCP RE-20.1 needs to be updated.					prevention". Add to end: Wind wash
Change						Use "wind wash" or "insulation dam" in lieu of "baffle"			Amend to address "wind wash". John	RE-20.1 approved by	baffle shall be provided to separate
Submitted -					N				Smith & Steve S to work together	TAG - 11/28.	air permeable insulation from the
CCP RE-									updating RE-20.1.	·	ventilation intake space. John Smith
20.1)											will research to develop language
402-13	R402.2.4		R402.2.4	Access hatches		Two exceptions are added in '21 and carry into '24.					Amond to dolote executions Dilita
402-13 (Code	N4UZ.Z.4		N4UZ.Z.4								Amend to delete exceptions. DLI to
-				and doors.	N	Recommend deleting the second exception as it does not	N	N	Amond Doloto socond avanting	AN4	write.
Change					IN	pertain to MN climate zones. Need to update CCP RE-16 for	IN	IN	Amend - Delete second exception.	AM	
Submitted - CCP RE-16)						'24 cycle.					
(Skip)	R402.2.4	1102.2.5	R402.2.4	Access hatches		Similar language. Need to update CCP RE-16 for '24 cycle.					
(avih)	11402.2.4	1102.2.3	11402.2.4	and doors.	N	Similar language. Need to update CCF NE-10 IOF 24 Cycle.			Amend - Delete second exception.		
				ariu uoors.	IN				Steve S to update CCP for TAG review		

			1	1	ı						
402-14	N1102.2.5.1		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	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	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.		
402-17	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		
402-18	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.	L	L	AM - Consider adjusting to make easier to understand.		
	R402.2.7	N1102.2.8	R402.2.7	Floors.		Heavily revised in '24.			A - Adopt as written		
402-19	R402.2.8		R402.2.8	Basement walls.	Y	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 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.		

402-20	R402.2.8.1	N1102.2.9.1		Basement wall insulation installation.	Y	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. Minor changes from IECC-R	L	L	Amend - use language from '20 MRE. May be subject to building science research. Amend - use language from '20 MRE.		
				insulation installation.					May be subject to building science research.		
402-21	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.		
402-22	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.		
	None	N1102.2.10. 2	None	Alternative slab- on-grade insulation configurations	N	New section in '24. Refers to designs in 1105 Simulated Performance and 1106 ERI.	N	N	Adopt as written.		
402-23	R402.2.10		R402.2.10	Crawl space walls.	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. The issue with this section in the MRE is that it was never amended to align with the basement provisions. A conditioned crawl space is essentially just a short basement. Therefore, it seems to make sense to parallel foundation insulation requirements for conditioned crawl spaces with those of conditioned basements.	N	N	AM - Amend to parallel language for conditioned basements. May be subject to building science research.		
	R402.2.10	N1102.2.11	R402.2.10	Crawl space walls.		Only change between '21 and '24 is to the references.			Adopt as written.		
402-24	R402.2.10.1		R402.2.10	Crawl space wall insulation installations.	N	See comments for R402.2.10 directly above.	N	N	See comments for R402.2.10 directly above.		
	R402.2.10.1	N1102.2.11. 1	None	Crawl space wall insulation installations.		24 allows insulation to be installed on inside or outside of wall. Consider amending to align with MN amended basement wall content to require insulation on exterior of wall. Subject to durability research.		L	Amend to require insulation on exterior of wall like a basement. Subject to durability research.		
	N1102.2.11. 2		N1102.2.11. 2	Alternative crawl space wall insulation configerations	N	New section in '24. Refers to designs in 1105 Simulated Performance and 1106 ERI.			Adopt as written.		
402-25	R402.2.11	N1102.2.12	R402.2.11	Masonry veneer.	N	No changes.	N	N	A - Adopt as written	_	

402-26	R402.2.12	N1102.2.13		Sunroom and heated garage insulation.	N	Thermal envelope provisions for garages are now specifically addressed in the '21 energy code. The exceptions and R-values given for thermally isolated sunrooms are the same as in the MRE, and now also apply to garages. No change from '21 to '24.	N	N	Amend - delete content regarding CZ 0-5.		
	None	None	N1102.3	Radiant Barriers		New section.	N	N	Adopt as written.		
402-27	R402.3	N1102.4	R402.3	Fenestration.	N	No technical changes from '21 to '24. The content is the same as the MRE, except that reference to R402.3.6 (Replacement fenestration) has been removed as the section is no longer located here.	N	N	A - Adopt as written		
402-28	R402.3.1	N1102.4.1	R402.3.1	U-factor.	N	No changes.	N	N	A - Adopt as written		
402-29	R402.3.2	N1102.4.2	R402.3.2	Glazed fenestration SHGC.	N	21 & '24 same content. Same content in '20 & '21, but added section in '21 regarding dynamic glazing. Serves no purpose in MN as we do not regulate SHGC.	N	N	A - Adopt as written, could also be deleted.		
402-30	R402.3.3		R402.3.3	Glazed fenestration exemption.	N	The language is slightly different in the IECC, but the outcome is essentially the same. The SHGC content will not affect MN. Interesting use of the word "shall" vs. "may" in terms of applying the exemption.	N	N	Comment: Either adopt as written, or amend to use 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 Fotal UA alternative in Section N1102.1.5.			Adopt as written.		
402-32	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	N	Content in '20 moved to 1111.1.1.1 in '24, no substantive	N	N	Moved section, see 1111.1.1.1		
402-33 Skip	R402.4		R402.4	fenestration. Air leakage.	N	change. 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.		
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	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		
	Table R402.4.1.1	Table N1102.5.1.1	Table R402.4.1.1	Air barrier, air sealing and insulation installation.		Major changes to Table N1102.5.1.1 General - Same as '21 Ceiling/attic - Similar, no technical change 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 Shafts/penetrations - Similar, no technical changes Narrow cavitites - Same as '21 - Garage separation - No technical changes Recessed lighting - No technical changes Plumbing/wiring - No technical changes Showers/tubs - Similar, adds fireplaces Electrical boxes - Section added to HVAC registers - Insulation criteria added Concealed sprink - Same Common walls - All new section. Amend to remove reference to "attached single family"?					
402-37	R402.4.1.2		R402.4.1.2	Testing.	N	In the '21, more specific testing backstops were moved to R402.4.1.3 "Leakage rate". Additionally, an option is added to calculate the leakage based on CFM leakage per area of the enclosure. The latter change will help smaller dwellings pass the test due to challenges resulting from lower volumes of air. An exception is added for two situations whereby the requirement is reduced to .30 CUFT/Min per SF of enclosure area.	L	L	A - Adopt as written		
	N1102.5.1.2		N1102.5.1.2	Air Leakage Testing.		Change to title and major changes to section.					
402-38 (Code Change Submitted - RE-4.1)	NA		R402.4.1.3	Leakage Rate.	N	This section provides the allowable leakage rate based on climate zone when following the prescriptive compliance option. Other compliance paths allow tradeoffs for leakage.				RE-4.1 had 6 Yeas and 6 Nays.	
			N1102.5.1.3	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.					
402-39	N1102.5.2		N1102.5.2	Fireplaces.	N	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	A	
402-40	N1102.5.3		N1102.5.3	Fenestration air leakage.	N	Same language as the MRE.	L	L	A - Adopt as written	A	
402-41	R402.4.4	1102.1.6	None	Rooms containing fuel- burning appliances.	N	New provision in '21.	L	М	Merits discussion	AM (Delete)	
				Rooms containing fuel- burning appliances.		Section not in the Model 2024 Chapter 11			Not needed as TAG voted to delete		

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402-42	N1102.5.4	N1102.5	4 Recessed lighting.	N	Minor changes in text, same net requirement and outcome.	L	L	A - Adopt as written	Accept	
402-43	NA	R402.4.6		- 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	
		N1102.5	5 Air Sealed Electrical and Communication Outlet Boxes		The first sentence is the same, but the '21 adds content regarding the doors for factory built fireplaces listed to UL 127.					
402-44	N1102.6	N1102.6	Maximum fenestration U- factor and SHGC.	N	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 R403	SYSTEMS				
403-1	R403.1	R403.1	Controls.	N	Same net outcome, slightly different language.	L	L	A - Adopt as written	Accept	
403-2	R403.1.1	R403.1.1	thermostat.	N	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	
403-3	R403.1.2	R403.1.2	Heat pump supplementary heat.	N	Identical provision.	L	L	A - Adopt as written	Accept	
	N1103.1.2	N1103.1	2 Heat pump supplementary heat.		Major changes to Model 2024 Section 1103.1.2					
403-4	NA	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	
	N1103.2	N1103.2	Hot water boiler temperature reset.	r	Minor changes to Model 2024 Section N1103.2					
403-5	R403.2	R403.3	Ducts.	N	Specifies sections for which ducts must comply.			A - Adopt as written	Accept	
	N1103.3	N1103.3	Duct Systems	N	Same net outcome as in MRE. Exception is added in '21 for storm shelters.					
	N	N1103.3	1 Duct System Design	N	The content is the same as the MRE, except that reference to R402.3.6 (Replacement fenestration) has been removed as the section is no longer located here.			0		
	N1103.3.2	N1103.3	2 Building cavities.	N	Relocated section from R403.3.7			A - Adopt as written		
403-6	R403.2.1	R403.3.1	Ducts located outside conditioned space.	Y	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.	

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	N1103.3.3	N1103.3.3	Ductwork		Minor changes to Section N1103.3.3					
			Located Outside							
			Conditioned							
			Space							
403-7	R403.2.1	R403.3.2	Ducts located in		This intent of this section is helpful to clarify what it means for					
			conditioned		ducts to be considered in conditioned space, however it is a					
			space.		step backwards from a past code opinion given by the state in			AM - Maintain backstops set in 2015	AM - Look at	
				Y	the past on the topic by only requiring R19 between duct and			MRE, but using the IECC-R template	requirements in '15	
				·	unconditioned space. Installing a continuous air barrier below			as much as possible.	MRE. Need to	
					the duct could be problematic if a vapor barrier such as poly is			as much as possible.	change.	
					installed on the cold side of the floor assembly to accomplish					
					the requirement.					
	N1103.3.4	N1103.3.4	Duct systems		The content is the same as the MRE, except that reference to					
			located in		R402.3.6 (Replacement fenestration) has been removed as the					
			conditioned		section is no longer located here.					
			space.							
403-8	R403.2.1	R403.3.3	Ducts buried		Details are provided here when ducts are partly or completely					
			within ceiling		buried in ceiling insulation.					
			insulation.						AM - Look at	
				Y	The section is a bit confusing when also reading R403.3.1. It			AM - Review with the rest of R403 for	requirements in '15	
				'	could be read to indicate that ductwork in an attic area must			possible changes.	MRE. Need to	
					be covered with insulation to R19? Item #1 will be				change.	
					unecessary if we maintain current backstop of R8, and item #3					
					has no relevance to MN.					
	N1103.3.5	N1103.3.5	Ductwork		Details are provided here when ducts are partly or completely					
			buried within		buried in ceiling insulation.					
			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.					
403-9	NA	R403.3.3.1	Effective R-		Gives effective duct insulation value in ceilings if using Total				AM - Look at	
			value of deeply	N	Building Performance Option.	L	L	A - Adopt as written	requirements in '15	
			buried ducts.	14		_		A - Adopt as written	MRE. Need to	
									change.	
	N1103.3.5.1	N1103.3.5.	L Effective R-		Major changes to N1103.3.5.1					
			value of deeply							
			buried ducts.							
403-10	R403.2.2	R403.3.4	Sealing.		Same beginning language in both codes, however MRE				Accept - polled	
					includes exceptions not located in the IECC. Discuss				group, unanimously	
				N	appropriateness of maintaining exceptions. Exception #2	L	L	Discuss	in favor of keeping	
					seems out of place to include in Energy code.				this provision in	
									code.	
	N1103.3.6	N1103.3.6	Sealing.	N	Minor changes to N1103.3.6					
403-11	R403.2.2.1	R403.3.4.1	Sealed air	N	Same language in both codes.		L	A - Adopt as written	Accept	
			handler.	IN		L		A Adopt as writter	лесері	
	N1103.3.6.1	N1103.3.6.	Sealed air-	N	Minor changes to N1103.6.3.1			A - Adopt as written		
			handling unit	IN				7. 7.dopt do written		
403-12	R403.2.2	R403.3.5	Duct testing.	N	Sets criteria for testing. Reference to ANSI/RESNET/ICC 380 or			A - Adopt as written	Accept	
				14	ASTM E1554 are not in the MRE.			A Adopt as written	лесере	
	N1103.3.7	N1103.3.7	Duct system		Details are provided here when ducts are partly or completely					
			testing		buried in ceiling insulation.	1				
						1				
				N	The section is a bit confusing when also reading R403.3.1. It	1				
				IN	could be read to indicate that ductwork in an attic area must	1				
					be covered with insulation to R19? Item #1 will be	1				
					unecessary if we maintain current backstop of R8, and item #3	1				
					has no relevance to MN.					

403-13	R403.2.2	R403.3.6	Duct leakage.	N	New requirement to test all ducts regardless of location inside or outside of thermal envelope.	М	?	Discuss	Accept	
	N1103.3.8	N1103.3.8	Duct system leakage	N	New requirement to test all ducts regardless of location inside or outside of thermal envelope.					
		Table N1103.3.8	Maximum Total Duct System Leakage		New Table in Model 2024 Chapter 11					
403-14	R403.2.3	R403.3.7	Building cavities.	N	Same requirement as MRE.				Accept	
403-15	R403.3	R403.4	Mechanical system piping insulation.	N	Same requirement as MRE.	N	N	A - Adopt as written	Accept	
403-16	R403.3.1	R403.4.1	Protection of piping insulation.	N	Nearly identical to MRE, minor tweaks to wording.	N	N	A - Adopt as written	Accept	
	N1103.4.1	N1103.4.1	Protection of piping insulation.		Minor changes to N1103.4.1					
403-17	R403.4	R403.5	Service hot water systems.	N	Same content as MRE, but references different section numbers.	N	N	A - Adopt as written	Accept	
403-18	NA	R403.5.1	Heated water circulation and temperature maintenance systems.	N	New or expanded content in '21 IECC.				Accept	
403-19	R403.4.1	R403.5.1.1	Circulation systems.	N	Expands on provisions in MRE.				Accept	
	N1103.5.1.1	N1103.5.1.	1 Circulation systems.		Major changes to N1103.5.1.1					
403-20	NA	R403.5.1.1	1 Demand recirculation water systems.	N	New or expanded content in '21 IECC.				Accept	
	N1103.5.1.1 .1	N1103.5.1. .1		N	Major changes to N1103.5.1.1.1					
403-21	NA	R403.5.1.2	Heat trace systems.	N	New content in '21 IECC.				Accept	
403-22	R403.4.2	R403.5.2	Hot water pipe insulation.	N	Slightly revised content. MRE Table R403.4.2 is removed from IECC.				Accept	
	N1103.5.2	N1103.5.2	Hot water pipe insulation.	N	Minor changes to N1103.5.2					
		Table N1103.5.2	Minimum Pipe Insulation Thickness	N	Same requirement as MRE.			0		
403-23	NA	R403.5.3	Drain water heat recovery units.	N	New provision in '21.				Chris R. review with Plumbing content for regulations.	
403-24 (Code Change Submitted - RE-18 & RE- 19.1)	R403.5	R403.6	Mechanical ventilation.	Y	The IECC-R references the IRC or IMC for Mechancial Ventilation requirements.				Polled RE17, 7, & 19.1. Consider zone 6?	
	N1103.6	N1103.6	Mechanical ventilation.		Minor changes to N1103.6					

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403-25	R403.5.5	R403.6.1	Heat or energy		The IECC now requires HRV/ERV in CZ 7 & 8.						
(Code			recovery						Polled RE-17, 7, &		
Change			ventilation.	v							
Submitted -				Υ		L	L	A - Adopt as written	19.1. Consider zone		
RE-7 & RE-									6?		
17)											
	N1103.6.1	N1103.6.1	Heat or energy		Changes to N1103.6.1 including adding climate zone 6						
	112203.0.1	11200.012	recovery		changes to 112205012 moldaring dualing chinate 2016 0						
			ventilation.								
102.26		D402.6.2			C + C - W - V						
403-26	NA	R403.6.2	Whole-dwelling		Sets fan efficacy ratings.						
			mechanical						Polled RE-17, 7, &		
			ventilation	N					19.1. Consider zone		
			system fan						6?		
			efficacy.						0:		
	N1103.6.2	N1103.6.2	Fan efficacy for	_	Change to title and minor changes to section N1103.6.2				_	_	
			whole-house					1			
]		mechanical								
			ventilation	N				1			
]		systems and	.,							
			1 7					1			
]		outdoor								
	L		ventilation								
403-27	Table	Table	Whole-dwelling		Sets fan efficacy ratings. Restructured table compared to MRE,						
	R403.5.1	R403.6.2	mechanical		some increases to fan efficacy requirements in '21.						
			ventilation	N					Assent		
			system fan	IN					Accept		
			efficacy.								
			,								
-	Table	Table	Fan Efficacy for		Change to title and table						
	1103.6.2	1103.6.2	whole-house								
	1103.0.2	1103.0.2	mechanical								
			ventilation								
				N							
			systems and								
			outdoor air								
			ventilation								
			systems								
403-28	NA	R403.6.3	Testing.	N	New requirement to test ventilation system.				Accept		
	N1106.6.3	N1106.6.3	Testing.		Major changes to Section 1103.6.3						
		N1103.6.4	Intermitten		Relocated section from R403.3.7						
			exhuast control								
			for bathrooms					0			
			and toilet								
			rooms								
403-29	R403.5.17	R403.7	Equipment		Similar requirement, but now sets a backstop for replacement						
.55 25	03.3.17		sizing and		equipment to meet minimums set by federal law.						
				Υ	equipment to meet minimums set by rederal law.			1	Accept		
			efficiency				1	1			
			rating.								
		N1103.7.1	Electric-		Similar requirement, but now sets a backstop for replacement						
			resistance space		equipment to meet minimums set by federal law.						
			heating								
403-30	R403.7	R403.8	Systems serving		Minor changes to language, same net outcome.						
]		multiple	NI NI					Amend to ASHRAE		
]		dwelling units.	N					reference.		
							1				
	N1103.8	N1103.8	Systems serving		Minor changes to section N1103.8						
			multiple								
			dwelling units.					0			
			awening units.								

				1	T		1	1		
		N1103.9	Mechanical		Minor changes to language, same net outcome.					
			systems located							
			outside the					A - Adopt as written		
			building					A - Adopt as written		
			thermal							
			envelope							
		N1103.9.1	Heating outside		New section in Model 2024 Chapter 11.					
			a building		·			A - Adopt as written		
			_							
403-31	N1103.9.2	N1103.9.2	Snow melt and		Minor changes to language, same net outcome.					
			ice system	N		L	L	A - Adopt as written	Accept	
			controls.						· ·	
		N1103.9.3	Roof and gutter		Minor changes to language, same net outcome.					
			deicing controls		J J J					
			, and the second							
		N1103.9.4	Freeze-		New section in Model 2024 Chapter 11.					
			protection							
			system controls							
			System controls							
403-32	R403.9	R403.10	Energy		Similar section between codes, refers to subsections for					
.03 32	103.5	11403.10	consumption of		additional stipulations.					
			pools and spas.	N	additional supulations.	L	L	A - Adopt as written	Accept	
			poois and spas.							
402.22	D402.0.4	D402.40.4	114		Surveyed and an article of the MADE As a service and Ash As he wishing 21					
403-33	R403.9.1	R403.10.1	Heaters.	N	Expands on provisions in MRE to require switch to be within 3'	L	L	A - Adopt as written	Accept	
403-34	2402.0.2	2402402	T 11		of heater.					
403-34	R403.9.2	R403.10.2	Time switches.	N	Minor changes to language, same net outcome.	L	L	A - Adopt as written	Accept	
102.25	N1103.10.2	N1103.10.2			Minor changes to N1103.10.2			A - Adopt as written		
403-35	R403.9.3	R403.10.3	Covers.		21 moves exception for pool cover from 70% to 75% of energy					
				N	sourced from heat pump or on-site renewable energy.	L	L	A - Adopt as written	Accept	
102.26		240244	0 111							
403-36	NA	R403.11	Portable spas.	N	New criteria, sets requirements for electric powered portable				Accept	
402.27	214	0.400.40	5 11 11		spas.					
403-37	NA	R403.12	Residential		New criteria, sets requirements for electric powered					
			pools and		permanent spas.					
			permanent	N					Accept	
			residential spas.							
		N1103.13	Gas fireplaces	N	Similar section between codes, refers to subsections for			A - Adopt as written		
					additional stipulations.			·		
		N1103.13.1	•	N	Similar section between codes, refers to subsections for			A - Adopt as written		
			efficiency		additional stipulations.					
			1		SECTION R404 ELECTRICAL POW	ER AND LIGH	TING SYSTE	MS		
404-1	R404.1	R404.1	Lighting	N	Now requires ALL lighting to be high efficacy, rather than 75%	L	L	A - Adopt as written	Accept	
			equipment.		as in '15 MRE.					
	N1104.1	N1104.1	Lighting	N	Major changes to section N1104.1					
			equipment.							
		Table	Lighting Power		New Table in Model 2024 Chapter 11					
		N1104.1	Allowance for							
			Building							
			Exteriors							
404-2	NA	R404.1.1	Exterior		New regs for exterior lighting. Consider implications of					
			lighting.	N	scoping, and whether we need to add accessory buildings (IRC-		1		Amend to ASHRAE	
			1	''	IV) to list if garages accessory to IRC-I - III are included in	`			reference.	
					definition for Residential Building. Points user to IECC-C.					
	N1104.1.1	N1104.1.1	Exterior lighting		Minor changes to section N1104.1.1					
	1 T	N1104.1.2	Exterior lighting		New section in Model 2024 Chapter 11.					
			power							
			requirements							
					·					

		N1104.1.3	Exterior lighting		New section in Model 2024 Chapter 11.						
		N1104.1.5	power		New Section in Model 2024 Chapter 11.						
			allowance								
		N1104.1.4	Additional		New section in Model 2024 Chapter 11.						
			exterior lighting								
			power								
404-3	R404.1.1	R404.1.2	Fuel gas lighting		Same requirement.						
			equipment.	N		N	N	A - Adopt as written	Accept		
	N1104.1.5	N1104.1.5	Gas lighting	N	Changed title and major changes to N1104.1.5			A - Adopt as written			
404-4	NA NA	R404.2	Interior lighting		New req for dimmers, occupancy sensors, or other controls.			A - Adopt as written			
			controls.	N	linear request diminiers, occupantly sensors, or other controls.				Accept		
	N1104.2	N1104.2	Interior lighting		Major changes to N1104.2						
			controls.								
		N1104.2.1	Habitable		Same requirement.						
			spaces								
		N1104.2.2	Specific		New section in Model 2024 Chapter 11.						
		N1104.3	locations Exterior lighting		New section in Model 2024 Chapter 11.						
		N1104.5	controls		New Section in Woder 2024 Chapter 11.			A - Adopt as written			
			Controls					A Adopt as written			
		N1104.3.1	Controls for		Minor changes to N1104.3.1 (exterior lighting controls)						
			individual								
			dwelling units								
404-5		R404.3	Exterior lighting		New req for exterior lighting.						
			controls.	N					Accept		
404-6	NA	R404.4	NA		Proposed CCPs to be added in part under R404.4.						
(Code	NA	K4U4.4	NA		Proposed CCPs to be added in part under R404.4.						
Change											
Submitted -											
RE-											
8,9,10,10.1,											
11,13)											
		N1104.4	Renewable		Minor changes to N1104.3.1 (exterior lighting controls)						
			energy certificate (REC)								
			documentation.								
			documentation.								
		•			SECTION R405 TOTAL BUIL	DING PERFO	RMANCE				
405-1	R405.1	R405.1	Scope.	N	Minor changes to paragraph. Adds energy usage for				Accept		
			_		mechanical ventilation.				Ассере		
105.3	N1105.1	N1105.1	Scope.		Major changes to N1105.1						
405-2	R405.3	R405.2	Performance- based	N	Sets backstop at 2009 IECC.				Accept		
			compliance.	IN					лесері		
	N1105.2	N1105.2	Simulated		Changes to title and major changes to N1105.2						
			building		3 22 27 27 27 37 27 27						
			performace	N							
			compliance								
405-3	NA	Table	Requirements	N	Table provides prescriptive items that must be met instead of						
		R405.2	for total		previously used headings "Mandatory" sprinkled throughout				Accept		
			building		'15 MRE.						
	Table	Table	performance. Requirements		Changes to the table title and major changes to table						
	N1105.2	N1105.2	for Simulated		changes to the table title and major changes to table						
			Building								
<u></u>			Performance								
405-4	R405.4	R405.3	Documentation.	N	Essentially same in '21, changes to numbering of subsequent				Accept		
				IN	sections.				лесере		
		·							·	•	

								_			<u> </u>
	N1105.3	N1105.3	Compliance		Changes to title and major changes to N1105.3						
			documentation								
405-5	R405.4.1	R405.3.1	Compliance	N	Same.				Accept		
	N1105.3.1	N1105.3.1	software tools. Compliancce		Section deleted in 2024 Chapter 11						
	N1105.5.1	N1105.5.1	software tools		Section deleted in 2024 Chapter 11						
405-6	R405.4.2	R405.3.2	Compliance		The report in the '21 is expanded and breaks it into the permit						
103 0		1100.0.2	report.	N	app report and that which is needed to obtain CofO.				Accept		
			report.		Additional information is needed for the reports.						
	N1105.3.2	N1105.3.2	Compliance		The report in the '21 is expanded and breaks it into the permit						
			report		app report and that which is needed to obtain CofO.						
					Additional information is needed for the reports.						
405-7	NA	R405.3.2.1	Compliance		The report in the '21 is expanded and breaks it into the permit						
			report for	N	app report and that which is needed to obtain CofO.				Accept		
			permit	.,					посерс		
			application.								
	N1105.3.2.1	N1105.3.2.	1 Compliance		The report in the '21 is expanded and breaks it into the permit						
			report for		app report and that which is needed to obtain CofO.						
			permit application.								
405-8	NA	R405.3.2.2			The report in the '21 is expanded and breaks it into the permit						
403-6	INA	R403.3.2.2	report for		app report and that which is needed to obtain CofO.						
			certificate of	N	app report and that which is needed to obtain coro.				Accept		
			occupancy.								
	N1105.3.2.2	N1105.3.2.	2 Compliance		The report in the '21 is expanded and breaks it into the permit						
			report for		app report and that which is needed to obtain CofO.						
			certificate of								
			occupancy.								
405-9	R405.5	R405.4	Calculation	N	References slightly adjusted subsections.				Accept		
			procedure.	.,					лесере		
	N1105.4	N1105.4	Calculation		Major changes to section N1105.4						
			procedure.								
405-10	R405.5.1 N1105.4.1	R405.4.1 N1105.4.1	General.	N	Same language. Major changes to section 1105.4.1				Accept		
405-11	R405.5.2	R405.4.1	Residence		Nearly the same except references different numbering of						
403-11	K403.3.2	R403.4.2	specifications.	N	section.				Accept		
	N1105.4.2	N1105.4.2	Residence		Major changes to section N1105.4.2						
	141103.4.2	11103.4.2	specifications.		Wajor changes to section W1105.4.2						
405-12	Table	Table	Specification for		Some updates to table - values and references to more						
	R405.5.2(1)		the standard		efficient U-values. N Dehumidistat is now included.						
			reference and	N							
			proposed	IN					Accept		
			designs.								
	Table	R405.5.2(2	Specification for	ĺ	Major changes to Table N1105.4.2 (1)						
	N1105.4.2(1		the standard	ĺ							
)		reference and	ĺ							
			proposed designs.	ĺ							
			uesigns.	ĺ							
405-13	R405.5.2(2)	Table	Default		Same tabular values.						
.03 13			distribution								
			system								
			efficiencies for	N		N	N	A - Adopt as written	Accept		
			proposed								
			designs.								
			-							· · · · · · · · · · · · · · · · · · ·	

_										_	
	Table		N1105.4.3	Default		Major chnages to Table N1105.4.2(2)					
	N1105.4.2			distribution							
	(2)			system							
	, ,			efficiencies for							
				proposed							
				designs.							
	N1105.4.3		N1105.4.3	Input values.		Section N1105.4.3 moved					
405-14	R405.6		R405.5	Calculation		Same statement, different section numbering referenced.					
403 14	11405.0		11405.5	software tools.	N	same statement, unrevent section numbering referenced.	N	N	A - Adopt as written	Accept	
	N1105.5		N1105.5	Calculation		Major changes to section N1105.5					
	N1103.3		N1103.3	software tools.		iviajor changes to section N1103.3					
405-15	R405.6.1		D405 5 4	Minimum		Company and the second					
405-15	K405.6.1		R405.5.1		N	Same content.	N	N	A - Adopt as written	Accept	
				capabilities.							
	N1105.5.1		N1105.5.1	Minimum		Minor changes to section N1105.5.1					
				capabilities.							
405-16	R405.6.2		R405.5.2	Specific	N	Same content.	N	N	A - Adopt as written	Accept	
				approval.							
	N1105.5.2		N1105.5.2	Specific		The report in the '21 is expanded and breaks it into the permit					
				approval.		app report and that which is needed to obtain CofO.					
405-17	R405.6.3		R405.5.3	Input values.	N	Same content.	N	H	A - Adopt as written	Accept	
			N1105.5.2	Testing required		Section deleted in 2024 Chapter 11					
				by software							
				vendors							
			N1105.5.3	Algorithms not		New section in Model 2024 Chapter 11.					
				tested		·					
			N1105.5.4	Compliance		New section in Model 2024 Chapter 11.					
				reports							
			N1105 5 4 1	Compliance		New section in Model 2024 Chapter 11.					
				reports for		The Wood of the Wo					
				permit							
				application							
			N1105 5 4 2	Compliance		New section in Model 2024 Chapter 11.					
			141105.5.4.2	reports for		New Section in Model 2024 Chapter 11.					
				•							
				certificate of							
				occupancy		CECTION DAGE ENERGY DATING IND	EV CONADUIA	NICE ALTERN	ATD (C		
			1			SECTION R406 ENERGY RATING INDI	EX COMPLIA	NCE ALTERN	ATIVE	i	
Discuss											
definitions:											
202-45 ERI											
Reference											
Design											
202-68											
Rated											
design											
202-70											
Renewable											
Energy											
Certificate											
(REC)											
406-1	NA		R406.1	Scope.	N					Accept	
	N1106.1		N1106.1	Scope.		Added language to section N1106.1					
406-2	NA		R406.2	ERI Compliance.							
					N		1			Accept	
	N1106.2		N1106.2	ERI Compliance.		Minor changes to section N1106.2					
				zzp.iidiidei							
406-3	NA		Table	Requirements							
.50 5	1		R406.2	for energy	N					Accept	
			100.2	rating index.	.,					лосорс	
L	<u> </u>	1	1	rating inuex.		1	L	i	l .		

	Table	Table	Requirements		Major changes to Table N1106.2				
	N1106.2	N1106.2	for energy						
			rating index.						
406-4	NA	R406.3	Building						
.00 .			thermal	N				Accept	
			envelope.					Ассері	
	N1106.3	N1106.3			Ma-i				
	N1106.3	N1106.3	Building		Major changes to section N1106.3				
			thermal						
			envelope.						
406-5	NA	R406.3.1	On-site						
			renewables are	N				Accept	
			not included.						
	N1106.3.1	N1106.3.1	On-site		Same content.				
			renewables are						
			not included.						
406-6	NA	R406.3.2	On-site						
400-0	INA	K400.3.2						A +	
			renewables are	N				Accept	
			included.						
	N1106.3.2	N1106.3.2	On-site		Same content.				
			renewables are						
			included.						
406-7	NA	R406.4	Energy Rating	N				Accept	
			Index.	IN				Accept	
	N1106.4	N1106.4	Energy Rating		Major changes to section N1106.4				
			Index.						
406-8	NA	R406.5	ERI-based						
400-8	ING.	11400.5	compliance.	N				Accept	
	N4406 F	N4406 5			N				
	N1106.5	N1106.5	ERI-based		Major changes to section N1106.5				
			compliance.						
406-9	NA	Table	Maximum						
		R406.5	energy rating	N				Accept	
			index.						
	Table	Table	Maximum		Major changes to Table N1106.5				
	N1106.5	N1106.5	energy rating						
			index.						
406-10	NA	R406.6	Verification by						
100 10			approved	N				Accept	
			agency.					лесере	
	N1106.6	N1106 6			Minor changes to section N1106.6				
	N1106.6	N1106.6	Verification by		Minor changes to section N1106.6				
			approved						
			agency.						
406-11	NA	R406.7	Documentation.	N				Accept	
			1	.,				Серг	
	N1106.7	N1106.7	Documentation.		Minor changes to section N1106.7				
406-12	NA	R406.7.1	Compliance						
			software tools.	N				Accept	
	N1106.7.1	N1106.7.1	Compliance		Major changes to section N1106.7.1				
		11100.7.1	software tools.		major changes to section retroot.				
406-13	NA	R406.7.2							
400-13	INA	K4Ub./.2	Compliance	N				Accept	
			report.	-					
	N1106.7.2	N1106.7.2	Compliance		Minor changes to section N1106.7.2				
			report.						
406-14	NA	R406.7.2.1	Proposed	I					
			compliance	1					
			report for	N				Accept	
			permit	I					
			application.	I					
		I	Lappiicution.	l	L				

									_		
	N1106.7.2.1	N1106.7.2.1	Proposed		Minor changes to section N1106.7.2.1						
			compliance								
			report for								
			permit								
			application.								
406-15	NA	R406.7.2.2									
.00 13			compliance								
			report for a	N					Accept		
			certificate of	IN IN					Ассері		
	N4406 7.2.2	N4406 7 2 2	occupancy.		Min						
	N1106.7.2.2	N1106.7.2.2	Confirmed		Minor changes to section N1106.7.2.2						
			compliance								
			report for a								
			certificate of								
			occupancy.								
406-16	NA	R406.7.3	Renewable								
			energy								
			certificate (REC)	N					Assent		
			documentation.	IN					Accept		
1											
	N1106.7.3	N1106.7.3	Renewable		Major changes to section N1106.7.3						
			energy								
			certificate (REC)								
			documentation.								
			documentation.								
406.47	212	D406 7.4	A dallala a a a l								
406-17	NA	R406.7.4	Additional								
			documentation.	N					Accept		
	1		- 10								
406-18	NA	R406.7.5	Specific	N					Accept		
			approval.								
406-19	NA	R406.7.6	Input values.	N					Accept		
	N1106.7.6	N1106.7.6	Input values.		Minor changes to section N1106.7.6						
	1	1			SECTION R407 TROPICAL CLIMATE	REGION CO	MPLIANCE P		T	ı	
407-1	NA	R407.1	Scope.	N				AM - Delete	Delete		
407-2	NA	R407.2	Tropical climate	N				AM - Delete	Delete		
			region.	14				Alvi - Delete	Delete		
		Table	Minimum Low								
		N1107.2	Slope Roof								
			Reflectance and					AAA Delete			
			Emmitance					AM - Delete			
			Options								
			•	•	SECTION R408 ADDITIONAL EFF	ICIENCY PACI	(AGE OPTIO	NS .	_		
408-1	NA	R408.1	Scope.	N			21.10	A - Adopt as written			
	N1108.1	N1108.1	Scope.		Minor changes to section N1108.1						
408-2	NA NA	R408.2	Additional								
.00 2	",		efficiency								
			package	N							
	144000		options.		61						
	N1108.2	N1108.2	Additional		Changes to the title and major changes to section N1108.2						
			energy								
			efficiency credit								
1			requirements								
		Table	Additional		New Table in Model 2024 Chapter 11						
		N1108.2	Efficiency								
			Requirements								

	1		I=		1	1	1	T		
408-3	NA	R408.2.1								
			envelope	N						
			performance							
	N4400 2 4	114400 0	option.		14 : 1 : 1440004					
	N1108.2.1	N1108.2			Major changes to section N1108.2.1					
			building							
			thermal							
			envelope							
			options							
		N1108.2	1.1 Enhanced		New section in Model 2024 Chapter 11.					
			building							
			thermal							
			envelope							
			performance							
		N1108.2	1.2 Improved		New section in Model 2024 Chapter 11.					
			fenestration							
		Table	Improved		New Table in Model 2024 Chapter 11					
			1.2 Fenestration							
		N1108.2	1.3 Roof solar		New Table in Model 2024 Chapter 12					
			reflectance							
			index							
1		N1108.2	1.4 Reduced air		New section in Model 2024 Chapter 11.					
			leakage							
408-4	NA	R408.2.2	More efficient							
			HVAC							
			equipment	N						
			performance							
			option.							
	N1108.2.2	N1108.2	2 More efficient		Major changes to section N1108.2.2					
			HVAC							
			equipment							
			performance							
			option.							
		N	More efficient		New section in Model 2024 Chapter 11.					
		1108.2.2	.1 HVAC		·					
			equipment for					No need to keep.		
			Cclimate Zone	4						
408-5	NA	R408.2.3	Reduced energ	у						
			use in service	N						
			water-heating	IN						
			option.							
	N1108.2.3	N1108.2	3 Reduced enery		Major changes to section N1108.2.3					
			use in service							
			water-heating							
			options.							
		Table	Service Water		New Table in Model 2024 Chapter 11.					
		N1108.2	3 Heater	1						
L			Efficiencies	1			L			
		N1108.2	3.1 Compact hot		New section in Model 2024 Chapter 11.					
			water							
			distribution							
			system option							
		Table	Internal Volum	e	New Table in Model 2024 Chapter 11.					
			3.1 of Various							
			Water							
			Distrbution							
			Tubing							
		N1108.2	3.1 Water volume		New section in Model 2024 Chapter 11.					
		.1	determination							

March Marc	408-6	NA	R408.2.4	More efficient	1	<u> </u>				
	408-6	INA	K4U6.2.4							
					N					
Major Major Major Major Major Major Changes to section 9/10/2 2.4 Major Majo										
		N1108.2.4	N1108.2.			Major changes to section N1108.2.4				
March May Ma						7				
MAX				distribution						
Section Sect				system options						
Miles	408-7	NA	R408.2.5	Improved air						
N1102.5 V1102.5 V110										
National Color					N					
N1108.2.5 N1108.2.5 State of the state										
Section Sect										
Control Cont		N1108.2.5	N1108.2.			Major changes to section N1108.2.5				
No.										
No.										
National Assembly Nati										
1			N1108.2.			New section in Model 2024 Chapter 11.				
Table N1108 2.6 C Officiency Sagariements: New section in Model 2024 Chapter 11.										
Requirements Appliances New section in Model 2024 Chapter 13.			Table			New section in Model 2024 Chapter 11.				
Name			N1108.2.	6 Efficiency						
N108.2.8 National Properties New section in Model 2024 Chapter 11. National Properties National Prop										
Content Cont										
New section in Model 2024 Chapter 11.			N1108.2.			New section in Model 2024 Chapter 11.				
New section in Model 2024 Chapter 11.										
Name			N1108.2.			New section in Model 2024 Chapter 11.				
N108 2.8 Variable-capative and two-stage HVAC system controls			N1108 2			New section in Model 2024 Chanter 11				
Name			N1100.2.			New Section in Wodel 2024 Chapter 11.				
National Case Variable Capacity and Involving New section in Model 2024 Chapter 11:										
capacity and two stage HVAC system conrols N1108.2.9 Opaque walls New section in Model 2024 Chapter 11. N1108.2.10 Whole-home New section in Model 2024 Chapter 11. N1108.2.11 Higher efficacy lighting control lighting Submitted Review definition: SUBMITTED REVIEW REVIE			N1108.2.			New section in Model 2024 Chapter 11.				
Note Note Note Note New section in Model 2024 Chapter 11. New section in Model 2024 Chapter 11. Note New section in Model 2024 Chapter 11. New section in Model 2024 Cha				capacity and						
Ni 108.2.9 Opaque walls New section in Model 2024 Chapter 11 Ni 108.2.10 Whole-home lighting control lighting contr				two-stage HVAC						
N1108.2.10 Whole-home Ighting control New section in Model 2024 Chapter 11.				system conrols						
N1108.2.10 Whole-home Ighting control New section in Model 2024 Chapter 11.										
N1108.2.11 Higher efficacy New section in Model 2024 Chapter 11.										
N1108.2.11 Higher efficacy lighting			N1108.2.			New section in Model 2024 Chapter 11.				
Code Change Submitted RE-14 Review Gefinition: 202-5 Addition Scope. Section R501 GENERAL Scope. Scope. Section R501 GENERAL Scope. Scope			N11100 2			Now costion in Madel 2024 Chapter 11				
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501-5 MR R501.4 Compliance. Y Lists out model codes, rather than MN amended docs. AM - Adjust references to "MN State Building Code"? Or, refer to MR State Building Code"? Or, refer to MR 1322.0030 Subp. 1-11		N1109.2				Major changes to N1109.2				
1322.0030 Y Building Code"? Or, refer to MR Accept as written Subp. 1-11 1322.0030 Subp. 1-11				Maintenance.		New criteria.			Accept as written	
Subp. 1-11 1322.0030 Subp. 1-11			R501.4	Compliance.		Lists out model codes, rather than MN amended docs.				
					Y				Accept as written	
N1109.4 N1109.4 Compliance Section deleted in 2024 Chapter 11								1322.0030 Subp. 1-11		
		N1109.4	N1109.4	Compliance		Section deleted in 2024 Chapter 11		1		

501-6		R501.5	New and		Guidance for materials.				
		1.55.5.5	replacement materials.				A - Adopt as written.	Accept as written	
501-7		R501.6	Historic buildings.				Review in conjunction with MR 1300.0070 Subp. 12a Historical Building.	Accept as written	
		N1109.6	Change in space conditioning.		New section in Model 2024 Chapter 11.				
			l l		SECTION R502 A	ADDITIONS			
502-1	MR 1322.0100 Subp. 3A	R502.1	General.	Υ	Very similar to MR 1322.0100 Subp. 3A, except that this section applies specifically to additions. It leaves the MN amendment below. This statement could be added as an amendment to R503 at R503.1.1.2 "Attic insulation shall not be installed unless accessible attic bypasses have been sealed. An attic bypass is any air passageway between a condiditioned space and an unconditioned attic."			Accept as written	
	N1110.1	N1101.1	General		Major changes to section N1110.1				
502-2	MR 1322.0100 Subp. 3C	R502.2	Change in space conditioning.	Υ	Adds 3 exceptions not listed in the MRE that allow the added space to be viewed with the existing for total performance.			Accept as written	
	N1110.2	N1110.2	Change in space conditioning.		Section deleted in 2024 Chapter 11				
502-3	MR 1322.0100 Subp. 3A	R502.3	Prescriptive compliance.	Υ	Specific to additions.			Accept as written	
	N1110.2	N1110.2	Prescriptive compliance.		Minor changes to section 1110.2				
502-4	NA	R502.3.1	Building envelope.	N	Provides clarity for prescriptive compliance, including exemption for air leakage testing.			Accept as written	
	N1110.2.1	N1110.2.1	Building thermal envelope		Changes to the title and minor changes to N1110.2.1				
502-5	NA	R502.3.2	Heating and cooling systems.	N	Clarity for ductwork. Exempts ductwork extended from existing to an addition.			Accept as written	
	N1110.2.2	N1110.2.2	Heating and cooling systems.		Minor changes to N1110.2.2				
502-6	NA	R502.3.3	Service hot water systems.	N	Clarity for additions.			Accept as written	
502-7	NA	R502.3.4 N1111.1.5	Lighting. Additional efficiency credit requirements for substantial improvements	N	Clarity for additions. New section in Model 2024 Chapter 11.			Accept as written	
					SECTION R503 AI	TERATIONS			
503-1	MR 1322.0100 Subp. 3A	R503.1	General.	Υ	Very similar to MR 1322.0100 Subp. 3A, except that this section applies specifically to alterations.			Accept as written	
503-2	MR 1322.0100 Subp. 3A	R503.1.1	Building envelope.	Υ	Exceptions 1-3 are identical in the MRE. Siding is not specifically noted in the exception in the '21.		AM - Consider adding Exception #9 from MRE.	Accept as written	
	N1111.1.1	N1111.1.1	Building thermal		Changes to title and major changes to N1111.1.1				

503-3	R402.3.6	DE02 1 1 1	Replacement	Clarity for replacement fenestration.	1	1				
303-3	N402.3.0	K303.1.1.1	fenestration.	clarity for replacement renestration.				Accept as written		
	N1111.1.1.1	N1111 1 1 1	Fenestration	Minor changes to section N1111.1.1.1						
	NIIII.I.I.I	N1111.1.1.1	alterations	Williof Changes to Section WIIII.I.I.						
		N1111.1.1.2	Roof, ceiling	New section in Model 2024 Chapter 11.						
			and 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.						
			wall alterations							
		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.							
		N1111.1.2.1	Ductwork	Clarity for ductwork. Exempts ductwork extended from						
				existing to an addition.						
			Systems sizing	New section in Model 2024 Chapter 11.						
		N1111.1.2.3	Duct system	New section in Model 2024 Chapter 11.						
		N4444 4 2 4	leakage	Name and the Name of April 2004 Chamber 14						
503-5		N1111.1.2.4 R503.1.3	Service hot	New section in Model 2024 Chapter 11.						
503-5		K5U3.1.3	water systems.	Clarity for alterations.				Accept as written		
503-6	MR	R503.1.4	Lighting.	Reduces requirement from 50% to 10%.						
303-0	1322.0100	1,505.1.4	Ligitting.	neduces requirement from 50% to 10%.						
	Subp. 3A, #7							Accept as written		
	Subp. 574, #7									
		N1111.1.5	Additional	New section in Model 2024 Chapter 11.						
		11111111	efficiency credit	The Model and Mo						
			requirements							
			for substantial							
			improvements							
			,							
				SECTION R504	DEDAIDC					
504-1		R504.1	General.	SECTION R504	REPAIRS			Accept as written		
504-2	MR	R504.2	Application.	Item #1 for glass is the same in MRE (item #2).				Accept as written		
JU4-2	1322.0100	11304.2	Application.	Item #2 is not located verbatim in the MRE.						
	Subp. 3A, #2			Item #3 is basically item #8 in the MRE.				Accept as written		
	& #8.			item #5 is basically item #6 in the MRE.						
	1-7-1			SECTION R505 CHANGE OF	OCCUPANO	Y OR USE				
505-1	MR	R505.1	General.	Clarity for a change of occupancy or use. No longer contingent						
-	1322.0100			on an increased demand for fossil fuel or electricity.						
	Subp. 3B			Addresses all forms of consumption and allows an exception				Accept as written		
				when viewing the building from a total performance						
				perspective.						
		•					•		•	