				To be cor	npleted by Chair					To be com	pleted by TAG	members
ltem No.	Minnesota Code Section	"I" Code Section	Subject	Current Minnesota Amend	Description of Change	Safety & Health Value	Cost Impact	Recommendation: A - Accept R - Reject AM - Amend	Recommendation A - Accept R - Reject	TAG Group Consensus	Stake- holder Consensus	Comments
				Y or N		N=None, M=Med,		Comments	AM - Amend	Y or N	Y or N	
COLOR K	FV											
	n = Items that	need to be	revisited									
			osal submitted.									
FUNFLL			Jan Submitteu.		MR 1322 MN Residential Ene	argy Code	Administ	tration				
1322-01	MR 1322.0010		General.		Update reference to 2021 IECC, include chapter	ergy coue		AM - Update reference to				
	Subp 1			Y	6 in list of referenced chapters.			2021 IECC, include chapter 6 in list of referenced chapters.				
1322-02	MR 1322.0010		Mandatory chapters.		Update reference to 2021 IECC, include chapter			AM - Update reference to				
	Subp 2			Y	6 in list of referenced chapters.			2021 IECC, include chapter 6 in list of referenced chapters.				
1322-03	MR 1322.0010 Subp 3		Replacement chapters.	Y				A - Adopt as written				
1322-04	MR 1322.0015 Subp 1		Administration.	Y				A - Adopt as written				
1322-05	MR 1322.0015 Subp 2		Purpose.	Y				A - Adopt as written				
1322-06	MR 1322.0030 Subp 1		Generally.	Y				A - Adopt as written				
1322-07	MR 1322.0030 Subp 2		Building code.	Y				A - Adopt as written				
1322-08	MR 1322.0030 Subp 3		Residential code.	Y				A - Adopt as written				
1322-09	MR 1322.0030 Subp 4		Electrical code.	Y				A - Adopt as written				
1322-10	MR 1322.0030 Subp 5		Fuel gas code.	Y				A - Adopt as written				
1322-11	MR 1322.0030 Subp 6		Mechanical code.	Y				A - Adopt as written				
1322-12	MR 1322.0030 Subp 7		Plumbing code.	Y				A - Adopt as written				
1322-13	MR 1322.0030 Subp 8		Private sewage disposal code.	Y				A - Adopt as written				
1322-14	MR 1322.0030 Subp 9		Energy conservation code.	Y				A - Adopt as written				
1322-15	MR 1322.0030 Subp 10		Property maintenance code.	Y				A - Adopt as written				
1322-16	MR 1322.0030 Subp 11		Accessibility code.	Y				A - Adopt as written				
1322-17	MR 1322.0040		Administrative procedure criteria.	Y				A - Adopt as written				
1322-18	MR 1322.0100 Subp 1		Administration.	Y				A - Adopt as written				

						To be com	pleted by TAC	6 members				
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				Y or N		N=None, M=Med,		Comments	AM - Amend	Y or N	Y or N	
COLOR K	FY۰											
	= Items that	need to be	revisited									
			osal submitted.									
		nunge prope	osar submitted.		MR 1322 MN Residential End	ergy Code	۵dminis	tration				
1322-01	MR 1322.0010		General.		Update reference to 2021 IECC, include chapter			AM - Update reference to				
	Subp 1			Y	6 in list of referenced chapters.			2021 IECC, include chapter 6 in list of referenced chapters.				
1322-02	MR 1322.0010		Mandatory chapters.		Update reference to 2021 IECC, include chapter			AM - Update reference to				
	Subp 2			Y	6 in list of referenced chapters.			2021 IECC, include chapter 6 in list of referenced chapters.				
1322-03	MR 1322.0010 Subp 3		Replacement chapters.	Y				A - Adopt as written				
1322-04	MR 1322.0015 Subp 1		Administration.	Y				A - Adopt as written				
1322-05	MR 1322.0015 Subp 2		Purpose.	Y				A - Adopt as written				
1322-06	MR 1322.0030 Subp 1		Generally.	Y				A - Adopt as written				
1322-07	MR 1322.0030 Subp 2		Building code.	Y				A - Adopt as written				
1322-08	MR 1322.0030 Subp 3		Residential code.	Y				A - Adopt as written				
1322-09	MR 1322.0030 Subp 4		Electrical code.	Y				A - Adopt as written				
1322-10	MR 1322.0030 Subp 5		Fuel gas code.	Y				A - Adopt as written				
1322-11	MR 1322.0030 Subp 6		Mechanical code.	Y				A - Adopt as written				
1322-12	MR 1322.0030 Subp 7		Plumbing code.	Y				A - Adopt as written				
1322-13	MR 1322.0030 Subp 8		Private sewage disposal code.	Y				A - Adopt as written				
1322-14	MR 1322.0030 Subp 9		Energy conservation code.	Y				A - Adopt as written				
1322-15	MR 1322.0030 Subp 10		Property maintenance code.	Y				A - Adopt as written				
1322-16	MR 1322.0030 Subp 11		Accessibility code.	Y				A - Adopt as written				
1322-17	MR 1322.0040		Administrative procedure criteria.	Y				A - Adopt as written				
1322-18	MR 1322.0100 Subp 1		Administration.	Y				A - Adopt as written				

			-							
1322-19 (Code Change	MR 1322.0100		Scope.		Change to:					
	Subp 2				"This code applies to residential buildings and					
Submitted - RE-					associated systems and equipment as defined in					
1)					the Residential Provisions of the (code year and					
					code book??).					
					Consider repealing this altogether in favor of					
				Y	language in IECC "R401.1 Scope". Also could			AM -		
					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.					
1322-20	MR 1322.0100		Applicability.	Y	NA					
	Subp 3			I	NA					
1322-21	MR 1322.0100		Additions, alterations,	Y	Section needs update in light of Chapter 5			AM -		
	Subp 3A		renovations, or repairs.		Existing Buildings in '21 IECC (R503).			Alvi -		
1322-22	MR 1322.0100		Change in occupancy or		Section needs update in light of Chapter 5					
	Subp 3B		use.	Y	Existing Buildings in '21 IECC (R505). Might not			AM -		
					be needed.					
1322-23	MR 1322.0100		Change in space		Section needs update in light of Chapter 5					
	Subp 3C		conditioning.	Y	Existing Buildings in '21 IECC (R502.2). Might			AM -		
					not be needed.					
1322-24	MR 1322.0100		Mixed occupancy.		See also Section C101.4.1 in 2021 IECC-C for					
	Subp 3D			Y	similar model code language. Might not be			AM -		
					needed.					
1322-25	MR 1322.0100		Compliance.	v				A - Adopt as written		
	Subp 4			1				A - Adopt as written		
1322-26	MR 1322.0100		Compliance materials.	Y				A - Adopt as written		
	Subp 4A			1						
1322-27	MR 1322.0100		Low energy buildings.	v	Contain is nearly the same language in the IECC-			Repeal MN amendment.		
	Subp 4B				R under Section R402.1.					
1322-28	MR 1322.0103	R103.2	Construction		This section is nearly the same as section					
		R103.2.1	documents.		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					
				Y	fixture schedule with wattage and control			Repeal MN amendment.		
					narrative".					
					Suggest using the unamended model code					
					language of R103.2 & R103.2.1 rather than the					
					amended MN language.					
			1	1						

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				Y or N		N=None, M=Med,		Comments	AM - Amend	Y or N	Y or N	
COLOR K	ΈY:											
RED Item	n = Items that	t need to be	revisited.									
BLUE ite	m = MN Ame	nded Definit	cions.									
PURPLE	item = Code d	change prop	osal submitted.									
		1	-	1	СНАРТЕ	ER 2						
202-1	R202	R202	Definition: Above-grade wall	N	Definitions are identical in MRE & IECC. "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	A	Y		
202-2	R202	NA	MN Amended Definition: Accessible		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."			Review in tandem with IECC definition "Access (to)". See ICC definition "Access (to)" which is very similar.	R	Y		
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."			Review in tandem with IECC definition "Ready access (to)".	A	Y		
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 access</i> or by a means that first requires the removal or movement of a panel or similar obstruction."			A - Adopt as written	A	Y		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."				A	Y		We may be coming back to this regarding addition as a change from unconditioned space to conditioned space. Especially with Residential and Multi -family
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	A	Y		
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."				A	Y		Table and consider removing after review of 403
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	Y		

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				Y or N		N=None, M=Med,		AM - Amend Comments	AM - Amend	Y or N	Y or N	
COLOR K	FV											
	= Items that	need to he	revisited									
	m = MN Amer											
			osal submitted.									
			osur submitted.		CHAPTI	ED 7						
202-1	R202	R202	Definition: Above-grade		Definitions are identical in MRE & IECC.				А	Y		
			wall		"A wall more than 50 percent above grade and							
				N	enclosing conditioned space. This includes between-floor spandrels, peripheral edges of			A - Adopt as written				
					floors, roof and basement knee walls, dormer							
					walls, gable end walls, walls enclosing a							
202-2	R202	NA	MN Amended		mansard roof and skylight shafts." Definition is in MRE as a MN Amendment, not				R	Y		
			Definition: Accessible		located in 2021 IECC.			Review in tandem with IECC definition "Access (to)".				
					"Signifies access that requires the removal of an access panel or similar removeable			See ICC definition "Access				
					obstruction."			(to)" which is very similar.				
202-3	R202	NA	MN Amended Definition: Accessible,		Definition is in MRE as a MN Amendment, not located in 2021 IECC.			Review in tandem with IECC	А	Y		
			Readily	Y	"Signifies access without the necessity for			definition "Ready access				
000.4		D 202			remvoing a panel or similar obstruction."			(to)".		X		
202-4	R202	R202	Definition: Access (to)		New definition - does not exist in the 2015 MRE.				A	Y		Definitions should not include the word they are defining. "Ready
				N	"That which enables a device, appliance or			A - Adopt as written				Access" is also a defined term
					equipment to be reached by <i>ready access</i> or by a means that first requires the removal or							which does not include the word "access."
					movement of a panel or similar obstruction."							
202-5	R202	R202	Definition: Addition		Definition is in the 2015 MRE as model code language, but the language has been updated				А	Y		We may be coming back to this regarding addition as a change
				N	in the 2021 IECC.							from unconditioned space to
				N	"An extension or increase in the conditioned							conditioned space. Especially wit
					space floor area, number of stories or height of a building or structure."							Residential and Multi -family
202-6	R202	R202	Definition: Air barrier		Definition is in the 2015 MRE as model code				А	Y		
					language, but the language has been updated in the 2021 IECC. "One or more materials joined							
				Ν	together in a continuous manner to restrict or			A - Adopt as written				
					prevent the passage of air through the building							
					thermal envelope and its assemblies."							
202-7	R202	NA	MN Amended		Definition is in MRE as a MN Amendment, not				A	Y		Table and consider removing after
			Definition: Air circulation, forced	Y	located in 2021 IECC. "A means of providing space conditioning using							review of 403
					movement of air through ducts or plenums by							
202-8	R202	NA	MN Amended		mechanical means." Definition is in MRE as a MN Amendment, not				Repeal	Y		
-			Definition:	Y	located in 2021 IECC.							
			Air, exhaust		"Air discharged from any space to the outside by the residential ventilation system."							

202-9	R202	NA	MN Amended		Definition is in MRE as a MN Amendment, not				AM		unamended in I	AN Mechanical
	11202		Definition:		located in 2021 IECC.				7.101			defining outside as
			Air, outdoor		"The air that is taken from the external						outdoor, beyon	
				Y	atmosphere, and therefore not previously						envelope.	
					circulated through the HVAC system or the						cirvelope.	
					conditioned space."							
202-10	R202	NA	MN Amended		Definition is in MRE as a MN Amendment, not				Repeal	Y	Includes HRV's	and ER\/'c_\\/ill
202-10	R202	INA	Definition:		located in 2021 IECC.				кереа	I		on of ventilation.
			Air-conditioning system	Y	"A system that consists of heat exchangers,						Model mechano	
					blowers, filters, and supply, exhuast, and return-						need a robust c	
					air systems and includes any apparatus installed						regarding ventil	ation.
					in connection with the system."							
202-11	R202	NA	Definition: Alteration		Definition is in the 2015 MRE as model code				Amend to match	Y		
					language, but the language has been updated				second printing			
					in the 2021 IECC.							
					"Any construction or renovation to an existing							
				Ν	structure other than repair or addition that							
				IN	requires a permit. Also, a change in a							
					mechanical system that involves an extension,							
					addition or change to the arrancement, type or							
					purpose of the original installation that requires							
					a permit."							
202-12	R202	NA	MN Amended		Term is in both codes but definition in MRE is a				Repeal	Y		
			Definition:		MN Amendment.			1				
			Approved		""Approved" means approval by the building							
			Approved		official, pursuant to the State Building Code, by							
					reason of: inspection, investigation, or testing;							
				Y								
					accepted principles; computer simulations;							
					research reports; or testing performed by either							
					a licensed engineer or by a locally or nationally							
					recognized testing laboratory."							
202.12	R202	0202	Definition: Approved		New definition does not exist in the 2015				^	V		
202-13	R202	R202	Definition: Approved		New definition - does not exist in the 2015				A	Y		
			Agency		MRE.							
					"An established and recognized agency that is							
				N	regularly engaged in conducting tests or		A - Adopt as written					
				N	furnishing inspection services, or furnishing		A - Adopt as written					
				N			A - Adopt as written					
				N	furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official."		A - Adopt as written					
202-14	R202	R202	Definition: Automatic	N	furnishing inspection services, or furnishing product certifications, where such agency has		A - Adopt as written		A	Ŷ		
202-14	R202	R202	Definition: Automatic	N	furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official."		A - Adopt as written		A	Y		
202-14	R202	R202	Definition: Automatic		furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC.				A	Ŷ		
202-14	R202	R202	Definition: Automatic	N	furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism		A - Adopt as written A - Adopt as written		A	Y		
202-14	R202	R202	Definition: Automatic		furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength,				A	Y		
202-14	R202	R202	Definition: Automatic		furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence,				A	Y		
202-14	R202	R202	Definition: Automatic		furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical				A	Y	Has been an iss	ue. May need to
202-15			MN Amended		furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not				A			
202-15 (Alternate			MN Amended Definition:		 furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. 				A		add clarifying la	nguage. Does this
202-15 (Alternate Definition			MN Amended		furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is				A		add clarifying la include exhaust	nguage. Does this , air intake,
202-15 (Alternate			MN Amended Definition:		 furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. 				A		add clarifying la include exhaust ventilation air?	nguage. Does this , air intake, Does this include
202-15 (Alternate Definition			MN Amended Definition:		furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is				A		add clarifying la include exhaust ventilation air? all air introduce	nguage. Does this , air intake, Does this include d into the building
202-15 (Alternate Definition			MN Amended Definition:		furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is				A		add clarifying la include exhaust ventilation air? all air introduce and all air being	nguage. Does this , air intake, Does this include d into the building discharged? Look
202-15 (Alternate Definition			MN Amended Definition:		furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is				A		add clarifying la include exhaust ventilation air? all air introduce and all air being at SONAR from	nguage. Does this , air intake, Does this include d into the building discharged? Look previous
202-15 (Alternate Definition			MN Amended Definition:		furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is		A - Adopt as written		A		add clarifying la include exhaust ventilation air? all air introduce and all air being at SONAR from amendment. Jo	nguage. Does this , air intake, Does this include d into the building discharged? Look previous hn Smith will write
202-15 (Alternate Definition			MN Amended Definition:	N	furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is		A - Adopt as written		A		add clarifying la include exhaust ventilation air? all air introduce and all air being at SONAR from amendment. Jo a code change p	nguage. Does this , air intake, Does this include d into the building discharged? Look previous hn Smith will write proposal. Ensure
202-15 (Alternate Definition			MN Amended Definition:		furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is		A - Adopt as written AM - Amend Def not in IECC. Look at		A		add clarifying la include exhaust ventilation air? all air introduce and all air being at SONAR from amendment. Jo	nguage. Does this , air intake, Does this include d into the building discharged? Look previous hn Smith will write proposal. Ensure
202-15 (Alternate Definition			MN Amended Definition:	N	furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is		A - Adopt as written		A		add clarifying la include exhaust ventilation air? all air introduce and all air being at SONAR from amendment. Jo a code change p	nguage. Does this , air intake, Does this include d into the building discharged? Look previous hn Smith will write proposal. Ensure r can not be
202-15 (Alternate Definition			MN Amended Definition:	N	furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is		A - Adopt as written AM - Amend Def not in IECC. Look at		A		add clarifying la include exhaust ventilation air? all air introduce and all air being at SONAR from amendment. Jo a code change p that balanced a	nguage. Does this , air intake, Does this include d into the building discharged? Look previous hn Smith will write proposal. Ensure r can not be istribution in to
202-15 (Alternate Definition			MN Amended Definition:	N	furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is		A - Adopt as written AM - Amend Def not in IECC. Look at		A		add clarifying la include exhaust ventilation air? all air introduce and all air being at SONAR from amendment. Jo a code change p that balanced a interpreted as o spaces. Caution	nguage. Does this , air intake, Does this include d into the building discharged? Look previous hn Smith will write proposal. Ensure r can not be istribution in to regarding
202-15 (Alternate Definition			MN Amended Definition:	N	furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is		A - Adopt as written AM - Amend Def not in IECC. Look at		A		add clarifying la include exhaust ventilation air? all air introduce and all air being at SONAR from amendment. Jo a code change p that balanced a interpreted as o spaces. Caution measurement o	nguage. Does this , air intake, Does this include d into the building discharged? Look previous hn Smith will write proposal. Ensure r can not be istribution in to regarding f pressure in lieu
202-15 (Alternate Definition			MN Amended Definition:	N	furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is		A - Adopt as written AM - Amend Def not in IECC. Look at		A		add clarifying la include exhaust ventilation air? all air introduce and all air being at SONAR from amendment. Jo a code change p that balanced a interpreted as o spaces. Caution measurement o of measuring ai	nguage. Does this , air intake, Does this include d into the building discharged? Look previous hn Smith will write proposal. Ensure r can not be istribution in to regarding f pressure in lieu flow rates. Look
202-15 (Alternate Definition			MN Amended Definition:	N	furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is		A - Adopt as written AM - Amend Def not in IECC. Look at		A		add clarifying la include exhaust ventilation air? all air introduce and all air being at SONAR from amendment. Jo a code change p that balanced a interpreted as o spaces. Caution measurement o of measuring ai at definition of	nguage. Does this , air intake, Does this include d into the building discharged? Look previous hn Smith will write proposal. Ensure r can not be istribution in to regarding f pressure in lieu flow rates. Look 'ventilation" in the
202-15 (Alternate Definition			MN Amended Definition:	N	furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is		A - Adopt as written AM - Amend Def not in IECC. Look at		A		add clarifying la include exhaust ventilation air? all air introduce and all air being at SONAR from amendment. Jo a code change p that balanced a interpreted as o spaces. Caution measurement o of measuring ai at definition of IMC. Intent is t	nguage. Does this , air intake, Does this include d into the building discharged? Look previous hn Smith will write proposal. Ensure r can not be istribution in to regarding f pressure in lieu flow rates. Look ventilation" in the nat this is for
202-15 (Alternate Definition			MN Amended Definition:	N	furnishing inspection services, or furnishing product certifications, where such agency has been approved by the code official." Definitions are identical in MRE & IECC. Self-acting, operating by its own mechanism when actuated by some impersonal influence, as, for example, a change in current strength, pressure, temperature or mechanical configuration (see "Manual"). Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A ventilation system in which the air intake is		A - Adopt as written AM - Amend Def not in IECC. Look at		A		add clarifying la include exhaust ventilation air? all air introduce and all air being at SONAR from amendment. Jo a code change p that balanced a interpreted as o spaces. Caution measurement o of measuring ai at definition of IMC. Intent is t	nguage. Does this , air intake, Does this include d into the building discharged? Look previous hn Smith will write proposal. Ensure r can not be istribution in to regarding f pressure in lieu flow rates. Look 'ventilation" in the nat this is for tilation and from

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202-16	R202	R202	Definition: Basement wall		Definitions are identical in MRE & IECC. "A wall 50 percent or more below grade and		A	У	
				Ν	enclosing conditioned space."	A - Adopt as written			
202-17	R202	R202	Definition: Building		Definitions are identical in MRE & IECC. "Any structure used or intended for supporting		A	Y	
					or sheltering any use or occupancy, including				
				N	any mechanical systems, service water-heating	A - Adopt as written			
					systems and electric power and lighting systems				
					located on the building site and supporting the				
					building."				
202-18	R202	R202	Definition: Building site	Ν	Definitions are identical in MRE & IECC. "A contiguous area of land that is under the	A - Adopt as written	A	Y	
				IN	ownership or control of one entity."	A - Adopt as written			
202-19	R202	R202	Definition: Building		Definition is in the 2015 MRE as model code		A	Y	
			thermal envelope		language, but the language has been updated				
					in the 2021 IECC.				
				N	"The basement walls, exterior walls, floors,	A - Adopt as written			
					ceiling, roofs and any other building element assemblies that enclose conditioned space or				
					provide a boundary between conditioned space				
					and exempt or unconditioned space."				
202-20	R202	NA	Definition:		Definition is in 2015 MRE as unamended		А	Y	No longer occurs in the code
			C-Factor (thermal		model code language and does not exist in				language.
			conductance)		2021 IECC.				
				N	"The coefficient of heat transmission (surface to				
				Ν	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)]."				
202-21	R202	R202	Definition: Cavity		New definition - does not exist in the 2015		A	Y	
			Insulation	N	MRE.	A - Adopt as written			
					"Insulating material located between framing members."				
202-22	R202	R202	Definition: Circulating		New definition - does not exist in the 2015		A	Y	Confirm for both potable and non-
			hot water system		MRE.				potable water? Potable hot water
					"A specifically designed water distribution				only.
				Ν	system where one or more pumps are operated in the service hot water piping to circulate	A - Adopt as written			
					heated water from the water-heating				
					equipment to the fixtures and back to the water-				
					heating equipment."				
202-23	R202	R202	Definition: Climate Zone		New definition - does not exist in the 2015		A	Y	
				Ν	MRE.	A - Adopt as written			
					"A geographical region based on climatic criteria as specified in this code."				
202-24	R202	R202	MN Amended		Definition is in MRE as a MN Amendment, not		A	Y	
			Definition:		located in 2021 IECC.				
			Code	Ν	"For purposes of this chapter, "this code" or	A - Adopt as written			
				i v	"the code" means the Minnesota Residential				
					Energy Code, Minnesota Rules, Chapter 1322."				
202-25	R202	R202	Definition: Code official		Definitions are identical in MRE & IECC.		A	Y	
					"The officer or other designated authority				
				Ν	charged with the administration and	A - Adopt as written			
					enforcement of this code, or a duly authorized				
202-26	R202	R202	Definition: Commercial		representative." Definitions are identical in MRE & IECC.		A	Y	
202-20	1202	1/202	building		"For this code, all buildings that are not				
				Ν	included in the definition of "Residential	A - Adopt as written			
					building.""				
202-27	R202	R202	Definition: Conditioned		Definitions are identical in MRE & IECC.		а	Y	
			floor area	Ν	"The horizontal projection of the floors	A - Adopt as written			
					associated with the conditioned space."				

R202 R2	oned Definition is in the 2015 MRE as model code	A	Y	
	language, but the language has been updated in the 2021 IECC.			
	"An area, room or space that is enclosed within			
	the building thermal envelope and that is			
	directly or indirectly heated or cooled. Spaces			
	N are indirectly heated or cooled where they A - Adopt as written			
	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."			
R202 R2	ous Definitions are identical in MRE & IECC.	Α	Y	
	"A combination of materials and assemblies			
	N that restrict or prevent the passage of air			
	through the building thermal envelope."			
R202 R2	uous New definition - does not exist in the 2015	A	Y	
	MRE.			
	"Insulating material that is continuous across all			
	structural members without thermal bridges			
	N 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.			
R202 R2	Dace Definition is in 2015 MRE as unamended	Amend to match	Y	Added back into the second
	model code language and does not exist in first	second printing		printing.
	printing of 2021 IECC.			
	"The opaque portion of a wall that encloses a			
	crawl space and is partially or totally below			
	grade."			
R202 N	Definition is in MRE as a MN Amendment, not	Repeal	Y	Change "Quantity" to Volume.
	located in 2021 IECC.			
	Y "The quantity of air moved in one minute. A			
	measurement typically applied to ventilation			
	equipment."			
R202 R2	wall Definitions are identical in MRE & IECC.	A	Y	
	"Fenestration products used to create an			
	N external nonload-bearing wall that is designed			
	to separate the exterior and interior			
	environments."			
R202 R2	Definition is in the 2015 MRE as model code	A	Y	
	r language, but the language has been updated			
	in the 2021 IECC.			
	N "A water distribution system where <u>one or</u> A - Adopt as written			
	more pumps prime the service hot water piping			
	with heated water upon demand for hot			
R202 R2	r New definition - does not exist in the 2015	Δ	v	
N202 K	MRE.	A		
B202 R		Δ	Y	
	"A tube or conduit utilized for conveying air			
	N I I I A - Adopt as written			
R202 R		Δ	Y	
	of air that in addition to ducts includes duct			
	I N I I I A - Adont as written			
	air-handling equipment and appliances."			
R202 R2	Image: The air passages of self-contained systems are not to be construed as air ducts." Image: The air passages of self-contained systems are not to be construed as air ducts." Image: Stem Definitions are identical in MRE & IECC. Image: N Image: The air passage way for the transmission of air that, in addition to ducts, includes duct fittings, dampers, plenums, fans and accessory	A		

						1	r	1	1			
202-38	R202	R202	Definition: Dwelling unit		Definitions are identical in MRE & IECC.					A	Y	
					"A single unit providing complete independent							
				N	living facilities for one or more persons,			A - Adopt as written				
					including permanent provisions for living,							
					sleeping, eating, cooking and sanitation."							
202-39	R202	R202	Definition: Dwelling Unit		New definition - does not exist in the 2015					AM	Y	Consider modifying language to
			Enclosure Area		MRE.							address interstitial wall space
					"The sum of the area of ceiling, floors, and walls							between units. Centerline of wall
					separating a dwelling unit's conditioned space							between units? Blower door
				N	from the exterior or from adjacent conditioned			A - Adopt as written				testing application? Need to
					or unconditioned spaces. Wall height shall be							verify.
					measured from the finished floor of the							
					dwelling unit to the underside of the floor							
					above."							
202-40	R202	R202	Definition: Energy		Definitions are identical in MRE & IECC.					A	Y	
			analysis		"A method for estimating the annual energy use							
				N	of the proposed design and standard reference			A - Adopt as written				
					design based on estimates of energy use."							
202-41	R202	R202	Definition: Energy cost		Definitions are identical in MRE & IECC.					A	Y	
					"The total estimated annual cost for purchased							
				N	energy for the building functions regulated by			A - Adopt as written				
					this code, including applicable demand							
					charges."							
202-42	R202	NA	MN Amended		Definition is in MRE as a MN Amendment, not					AM	Y	Energy Recovery Ventilation
			Definition:		located in 2021 IECC.							System is in Mechanical Code.
			Energy Recovery	Y	"A device or combination of devices applied to							
			Ventilator (ERV)	,	transfer energy and moisture from the exhaust							
					air stream for use within the dwelling."							
202-43	R202	R202	Definition: Energy		Definitions are identical in MRE & IECC.					A	Ŷ	Building Official is the approver by
			Simulation Tool	Ν	"An approved software program or calculation-			A - Adopt as written				definition of "Approved"
					based methodology that projects the annual							
					energy use of a building."							
202-44	R202	R202	Definition: Entrance		Definition is in 2015 MRE as unamended					Amend to delete	Y	
			door		model code language and does not exist in							
					2021 IECC.							
					"Fenestration products used for ingress, egress							
				Ν	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."							
202-45	R202	R202	Definition: ERI Reference		New definition - does not exist in the 2015					А	Y	Scale is base-lined at 2006.
			Design		MRE.							Different iterations of IECC have
					"A version of the rated design that meets the							updated definitions of design for
					minimum requriements of the 2006 IECC."							ERI Pathway. May be problems
												with 2021. Just as HERS got
				Ν				Discuss				updated in 2024we should not
												just adopt as iswe should look at
												new definitions.
												Review in tandem with "Rated
												Design".
202-46	R202	R202	Definition: Exterior wall		Definitions are identical in MRE & IECC.					Α	Y	
				Ν	"Walls including both above-grade walls and							
					basement walls."							
		1						I				

202 47	0202	D202	Definition: Forestation		Definition is in the 2015 MDF as we delay d			٨	V	
202-47	R202	R202	Definition: Fenestration	Ν	 Definition is in the 2015 MRE as model code language, but the language has been updated in the 2021 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	A	Y	
202-48	R202	R202	Definition: Fenestration product, site-built	Ν	Definitions are identical in MRE & IECC. "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	A	Y	
202-49	R202	R202	Definition: F-Factor	Ν	Definition is in 2015 MRE as unamended model code language and does not exist in 2021 IECC. "The perimeter heat loss factor for slab-on- grade floors (Btu/h × ft × °F) [W/(m × K)]."		A - Adopt as written	A	Y	
202-50	R202	NA	MN Amended Definition: Furnace	Ν	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A vented heating appliance designed or arranged to discharge heated air into a conditioned space or through a duct or ducts."		A - Adopt as written	AM	Y	Definition found in the mechanical code. Use MN amended definition or unamended mechanical code definition in 2020 MMC?
202-51	R202	NA	MN Amended Definition: Heat recovery ventilator (HRV)	Y	Definition is in MRE as a MN Amendment, not located in 2021 IECC. "A device or combination of devices applied to transfer energy from the exhaust air stream for use within the dwelling."			AM	Y	Look to definition of ERV and eliminate references to humidity.
202-52	R202	R202	Definition: Heated slab.	Ν	Definitions are identical in MRE & IECC. "Slab-on-grade construction in which the heating elements, hydronic tubing, or hot air distribution system is in contact with, or placed within or under, the slab."			A	Y	
202-53	R202	R202	Definition: High Efficacy Light Sources	Ν	Definition is in the 2015 MRE as model code language, but the term and definition has been updated in the 2021 IECC. Compact fluorescent lamps, light-emitting diode (LED) lamps, T-8 or smaller diameter linear fluorescent lamps or other lamps with an efficacy of not less than 65 lumens per watt, or luminaires with an efficacy of not less than 45 lumens per watt.		A - Adopt as written	AM	Y	Match the second printing of the first edition.

202-54	R202	R202	Definition: Historic		New definition - does not exist in the 2015					TAG will discuss the current
			Building	Ν	MRE. "Any building or structure that is one or more of the following: 1) Listed or certified as eligible for listing by the State Historic Preservation Officer or the Keeper of the National Register of Historic Places, in the National Register of Historic Places. 2) Designated as historic under an applicable state or local law. 3) Certified as a contributing resource within a National Registered-listed, state-designated or locally designated historic district."		AM			definition in MR 1300, TAG wants definitions to match.
202-55	R202	R202	Defintion: Infiltration	N	Definitions are identical in MRE & IECC. "The uncontrolled inward air leakage into a building caused by the pressure effects of wind or the effect of differences in the indoor and outdoor air density or both."		A - Adopt as written	A	Y	
202-56	R202	R202	Definition: Insulating sheathing	N	Definition is in 2015 MRE as unamended model code language and does not exist in 2021 IECC. "An insulating board with a core material having a minimum R-value of R-2."		A - Adopt as written	A	Y	Have definition for continuous insulation, not needed.
202-57	R202	R202	Definition: Insulated siding	N	New definition - does not exist in the 2015 MRE. "A type of continuous insulation with manufacturer-installed insulating material as an integral part of the cladding product having an R-value of not less than R-2."		A - Adopt as written	A	Y	
202-58	R202	R202	Definition: Labeled	Ν	Definition is in the 2015 MRE as model code language, but the language has been updated in the 2021 IECC. "Equipment, materials or products to which have been affixed a label, seal, symbol or other identifying mark of a nationally recognized testing laboratory, approved agency or other organization concerned with product evaluation that maintains periodic inspection of the production of such labeled items and whose labeling indicates either that the equipment, material or product meets identified standards or has been tested and found suitable for a specified purpose."		A - Adopt as written	A	Y	
202-59	R202	R202	Definition: Listed	N	Definitions are identical in MRE & IECC. "Equipment, materials, products or services included in a list published by an organization acceptable to the code official and concerned with evaluation of products or services that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services and whose listing states either that the equipment, material, product or service meets identified standards or has been tested and found suitable for a specified purpose."		A - Adopt as written	A	Y	
202-60	R202	R202	Definition: Low-voltage lighting	N	Definitions are identical in MRE & IECC. "Lighting equipment powered through a transformer such as a cable conductor, a rail conductor and track lighting."		A - Adopt as written	A	Y	
202-61	R202	R202	Definition: Manual	Ν	Definitions are identical in MRE & IECC. "Capable of being operated by personal intervention (see "Automatic")."		A - Adopt as written	A	Y	

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No. Name	202-62	R202	NA						A	Y	Keep current amended language
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λ_{12} λ_{22} λ_{22				Manufacturer's	Y	"Printed instructions included with equipment,		AM - Keep MN Definition			Consider changing or removing
NILL Name Name Name Name Description Description Name Name <th< td=""><td></td><td></td><td></td><td>Installation Instructions</td><td></td><td>the provision of which is one of the conditions</td><td></td><td></td><td></td><td></td><td>the word "printed".</td></th<>				Installation Instructions		the provision of which is one of the conditions					the word "printed".
Image: Participant Partit						for listing and labeling."					
Image: Solution image: Soluti	202-63	R202	NA	MN Amended		Definition is in MRE as a MN Amendment, not					Revisit amended definition
1 of the length of the leng				Definition: Mechanical		located in 2021 IECC.					
Image: Problem in the set of the set o				ventilation	Y	"The mechanical process of supplying		A - Adopt as written			
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Mark	202-64	R202	R202	Definition: Occupant					Α	Y	
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Image: Problem in the state					N			A - Adopt as written			
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Image: Section in the image: Section in solution in the image: Share in t	202-66	R202	R202	Definition: Opaque door		New definition - does not exist in the 2015			Α	Y	
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					N			A - Adopt as written			
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index <th< td=""><td></td><td></td><td></td><td>Proposed design</td><td>Y</td><td></td><td></td><td></td><td></td><td></td><td></td></th<>				Proposed design	Y						
202.68 R202 R202 Definition: Ruted Design New definition - does not exist in the 2015 MRE.											
MRE. A decrement of the proposed building used to determine the energy rating index." MRE. In the energy rating index. So ref based proposed building used to determine the energy rating index." In the energy rating index. So ref based proposed building used to screate proposed building used to proposed building used to screate proposed building used to proposed building						•					
202-69 R202 Definition: Ready Access (to) New definition - does not exist in the 2015 (The which mabbins a divice, appliance or requipment to be directly reacted without requipment of an empay and or an end or an end or an one of an and or an end or an one of an and or an end or an one of an and or an end or an one of an an end or an end or an one of an an end or an end or an one of an an one of an a	202-68	R202	R202	Definition: Rated Design					A		Need to add definition for Energy
202-70 202-71 202 Pair Pair Pair Pair Pair Pair Pair Pair						MRE.					Rating Index. Is referenced in the
Image: Section of the secting of the secting of th						"A description of the proposed building used to					book indexso it may be
202-69 R202 Definition: Ready Access (to) New definition - does not exist in the 2015 NMRE. A - Adopt as written						determine the energy rating index."					somewhere.
202-69 R202 R202 Definition: Ready Access (to) New definition - does not exist in the 2015 requirement of any panel device, appliance or equirement to be directly reached without requiring the removable energy abox (howns an energy) New definition - does not exist in the 2015 requirement to be directly reached without requirement to be directly reached without requirement to a functionary and movement of any panel device, appliance or environment at thrue or equirement to be directly reached without requirement at represents the environmental attribute certificate (EAC)." A - Adopt as written A - Adopt as written A - Adopt as written											
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202-69 R202 R202 Definition: Ready Access N New definition - does not exist in the 2015 MRE. N A - Adopt as written A A Y Matches methanication to section 406 address Compliance or equipment to be directly reached without requiring the removal or moviment of any participation design to the component of any participatio											
202-69 R202 Definition: Ready Access (to) New definition - does not exist in the 2015 (to) New defi											_
Image: Constraint of the constra											
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202-69 R202 Definition: Ready Access (to) N New definition - does not exist in the 2015 (MRE, include the include requiring the removal or movement of any panel or similar obstruction." A - Adopt as written											
Image: Second											
N"That which enables a device, appliance or equipment to be directly reached without requiring the removal or movement of any panel or similar obstruction."A - Adopt as writtenII <td>202-69</td> <td>R202</td> <td>R202</td> <td>Definition: Ready Access</td> <td></td> <td></td> <td></td> <td></td> <td>A</td> <td>Y</td> <td>Matches mechanical code.</td>	202-69	R202	R202	Definition: Ready Access					A	Y	Matches mechanical code.
Image:				(to)		MRE.					
Image: Constraint of the integration of the integrated integration of the integration of the int					N	"That which enables a device, appliance or		A Adapt as written			
indexindexindexindexindexindexindexindexindexindex202-70R202Definition: Renewable Energy Certificate (REC)Definition: Renewable n instrument that represents the environmental attributes of one megawatt hour of renewable energy, also known as an energy attribute certificate (REC)."New definition - does not exist in the 2015 n instrument that represents the environmental attributes of one megawatt hour of renewable energy, also known as an energy attribute certificate (REC)."New definition - does not exist in the 2015 n instrument that represents the environmental attributes of one megawatt hour of renewable energy, also known as an energy attribute certificate (REC)."New definition - does not exist in the 2015 n instrument that represents the environmental attributes of one megawatt hour of renewable energy, also known as an energy attribute certificate (REC)."New definition - does not exist in the 2015 n instrument that represents the environmental attributes of one megawatt hour of renewable energy, also known as an energy attribute certificate (REC)."New definition - does not exist in the 2015 n instrument that represents the environmental exist in the 2015 n instrument that represents the environm					IN	equpment to be directly reached without		A - Adopt as written			
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202-70 R202 Definition: Renewable Energy Certificate (REC) New definition - does not exist in the 2015 MRE. "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 A - Adopt as written Recommendation to been a topic in the 2 tinclude utility pro- period associated worfsets? We should shows up in the cod or requirement. 202-71 R202 R202 Definition: Renewable Energy Resources New definition - does not exist in the 2015 MRE. "Energy derived from solar radiation, wind, waves, tides, landfill gas, biogas, biomas, or extracted from hot fluid or steam heated within A - Adopt as written Image: A - Adopt as written											
Let a be a	202-70	R202	R202	Definition: Renewable							Recommendation to discuss. Has
202-71R202R202Definition: Renewable Energy ResourcesNN <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>been a topic in the 2024 IECC. Wil</td></t<>											been a topic in the 2024 IECC. Wil
LowLo											
Low Low Low Of renewable energy, also known as an energy attribute certificate (EAC)." Low Low <td></td> <td>it include utility programs? Time</td>											it include utility programs? Time
LessLessLessNattribute certificate (EAC)."A - Adopt as writtenA - Adopt as written						-					period associated with the REC
202-71 R202											offsets? We should flag where it
202-71R202R202Definition: Renewable Energy ResourcesNew definition - does not exist in the 2015 MRE. "Energy derived from solar radiation, wind, waves, tides, landfill gas, biogas, biomass, or extracted from hot fluid or steam heated withinImage: Comparison of the comparis					N	attribute certificate (EAC)."		A - Adopt as written			shows up in the code as an option
202-71 R202 R202 Definition: Renewable Energy Resources New definition - does not exist in the 2015 A - Adopt as written Image: A - Adopt as written <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>or requirement.</td></t<>											or requirement.
Image: Second											
Image: Second											**Shows up in Section R406.7.3.
Image: Properties of the series of the se											
Image: Problem in the second secon											
Image: Problem in the second secon	202-71	R202	R202	Definition: Renewable		New definition - does not exist in the 2015					Do we want to limit this to options
N "Energy derived from solar radiation, wind, waves, tides, landfill gas, biogas, biomass, or extracted from hot fluid or steam heated within A - Adopt as written energy".											
N waves, tides, landfill gas, biogas, biomass, or A - Adopt as written See also "On-site re extracted from hot fluid or steam heated within a - Adopt as written a - Adopt as written											
extracted from hot fluid or steam heated within steam heated within energy".					Ν			A - Adopt as written			See also "On eite rememble
											energy".
the earth.						the earth."					

202 72	0202	0202	Dofintion: Donoi-		Definition is in the 2015 MDF as model and	I				
202-72	R202	R202	Defintion: Repair		Definition is in the 2015 MRE as model code					
				N	language, but the language has been updated in the 2021 IECC.					
				N	"The reconstruction or renewal of any part of					
					an existing building."					
202-73	R202	R202	Definition: Reroofing		New definition - does not exist in the 2015			A	Y	
	-				MRE.					
				N	"The process of recovering or replacing an		A - Adopt as written			
					existing roof covering. See "Roof recover" and					
					"Roof replacement."					
202-74	R202	R202	Definition: Residential		Definition is in the 2015 MRE as model code			AM		GSM to write AM
			building		language, but the language has been updated					
					in the 2021 IECC.					
				N	"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."					
202-75	R202	R202	Definition: Roof		Definition is in 2015 MRE as unamended			AM		Amend to include per second
			Assembly		model code language and does not exist in first					printing.
					printing of 2021 IECC.					
					"A system designed to provide weather					
				N	protection and resistance to design loads. The system consists of a roof covering and roof deck		A - Adopt as written			
				IN	or a single component serving as both the roof		A - Adopt as written			
					covering and the roof deck. A roof assembly					
					includes the roof covering, underlayment, roof					
					deck, insulation, vapor retarder and interior					
					finish."					
202-76	R202	R202	Definition: Roof Recover		New definition - does not exist in the 2015			A	Y	
					MRE.					
				Ν	"The process of installing an additional roof		A - Adopt as written			
					covering over an existing roof covering without					
					removing the existing roof covering."					
202-77	R202	R202	Definition: Roof Repair		New definition - does not exist in the 2015			A	Y	Part but not the entire roof.
					MRE.					
				Ν	"Reconstruction or renewal of any part of an		A - Adopt as written			
					existing roof for the purpose of its					
					maintenance."					
202-78	R202	R202	Definition: Roof		New definition - does not exist in the 2015			A	Y	
			Replacement		MRE.					
				Ν	"The process of removing the existing roof		A - Adopt as written			
					covering, repairing any damaged substrate and					
202 70	0202	0202	Definition R Value		installing a new roof covering."				v	
202-79	R202	R202	Definition: <i>R</i> -Value (Thermal resistance)		Definitions are identical in MRE & IECC. The inverse of the time rate of heat flow			A	Ť	
			(mermarresistance)		through a body from one of its bounding					
				Ν	surfaces to the other surface for a unit					
				IN IN	temperature difference between the two					
					surfaces, under steady state conditions, per unit					
					area ($h \cdot ft2 \cdot °/Btu$) [($m2 \cdot K$)/W].					
202-80	R202	R202	Definition: Service water		Definitions are identical in MRE & IECC.			A	Y	
			heating	Ν	"Supply of hot water for purposes other than		A - Adopt as written			
			-		comfort heating."					
202-81	R202	R202	Definition: Skylight		Definition is in 2015 MRE as unamended			A	Y	The term "Skylight" is included in
					model code language and does not exist in					the definition for "Fenestration".
					2021 IECC.					
					"Glass or other transparent or translucent					
				Ν	glazing material installed at a slope of less than		A - Adopt as written			
					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."					

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202-82	R202	R202	Definition: Solar heat gain coefficient (SHGC)	Ν	Definitions are identical in MRE & IECC. "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	A	Y	
202-83	R202	R202	Definition: Standard reference design	N	Definitions are identical in MRE & IECC. "A version of the proposed design that meets the minimum requirements of this code and is used to determine the maximum annual energy use requirement for compliance based on total building performance."		A - Adopt as written	A	Y	
202-84	R202	R202	Definition: Sunroom	N	Definitions are identical in MRE & IECC. "A one-story structure attached to a dwelling with a glazing area in excess of 40 percent of the gross area of the structure's exterior walls and roof."		A - Adopt as written	A	Y	
202-85	R202	R202	Definition: Thermal Distribution Efficiency (TDE)	N	New definition - does not exist in the 2015 MRE. "The resistance to changes in air heat as air is conveyed through a distance of air duct. TDE is a heat loss calculation evaluating the difference in the heat of the air between the air duct inlet and the outlet caused by differences in temperatures between the air in the duct and the duct material. TDE is expressed as a percent difference between the inlet and outlet heat in the duct."		A - Adopt as written	A	Y	Part of the Resdidential ANSI 380 or 301 standard for performance compliance. If don't do a total duct leakage test, then makes more challenigng to gain the required HERS rating. See appendix C.
202-86	R202	R202	Definition: Thermal isolation	N	Definitions are identical in MRE & IECC. "Physical and space conditioning separation from conditioned spaces. The conditioned spaces shall be controlled as separate zones for heating and cooling or conditioned by separate equipment."			A	Y	
202-87	R202	R202	Definition: Thermostat	N	Definitions are identical in MRE & IECC. "An automatic control device used to maintain temperature at a fixed or adjustable setpoint."			A	Y	
202-88 (Alternate Definition Submitted)	R202	R202	Definition: <i>U</i> -Factor (thermal transmittance)	N	Definitions are identical in MRE & IECC. "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	Y	Includes boundary air films.
202-89	R202	R202	Definition: Ventilation	N	Definitions are identical in MRE & IECC. "The natural or mechanical process of supplying conditioned or unconditioned air to, or removing such air from, any space."			A	Y	Will Revisit.
202-90	R202	R202	Definition: Ventilation air	N	Definitions are identical in MRE & IECC. "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	Y	
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	Y	

202-92	R202	R202	Definition:		Definitions are identical in MRE & IECC.			А	Y	
			Whole house		"An exhaust system, supply system, or					
			mechanical ventilation		combination thereof that is designed to					
			system	N	mechanically exchange indoor air with outdoor					
					air when operating continuously or through a					
					programmed intermittent schedule to satisfy					
					the whole house ventilation rates."					
202-93	R202	R202	Definition:		Definitions are identical in MRE & IECC.			А	Y	
			Zone		"A space or group of spaces within a building					
				N	with heating or cooling requirements that are					
				IN	sufficiently similar so that desired conditions					
					can be maintained throughout using a single					
					controlling device."					

				To be con	npleted by Chair					To be com	pleted by TA	G members
ltem No.	Minnesota Code Section	"I" Code Section	Subject	Current Minnesota Amend	Description of Change	Safety & Health Value	Cost Impact	Recommendation: A - Accept R - Reject AM - Amend	Recommendation A - Accept R - Reject	TAG Group Consensus	Stake- holder Consensus	Comments
				Y or N		N=None, M=Med,		Comments	AM - Amend	Y or N	Y or N	
COLOR KE	Y:											
		need to be	revisited.									
			osal submitted.									
					СНАРТЕ	R 3			I			
					SECTION R301	GENERAL						
301-1	R301.1	R301.1	Climate zones, general.	Ν	Minor changes to text. Same net outcome.	Ν	Ν	A - Adopt as written	AM	Y		Recommend that Zone 5 upgrade to Zone 6. Will coordinate.
301-2 (Code Change Submitted - RE- 2)	Figure R301.1	Figure R301.1	Climate zone map.	N	Updated climate zone map.			A - Adopt as written	AM	Y		
301-3 (Code Change Submitted - RE- 2)	Table R301.1	Table R301.1	Climate Zones.	N	10 counties affected between '21 IECC and '15 MRE. (Becker, Clay, Fillmore, Grant, Houston, Kanabec, Mille Lacs, Otter Tail, Wilkin, Winona.) Suggest amending to delete all states other than MN.			AM	AM	Y		Amend to delete non-minnesota data.
301-4	R301.2	R301.2	Warm Humid Counties.	N	No change and no affect on Minnesota. Suggest amending to delete.			АМ	AM	Y		Delete
301-5	R301.3 & Table R301.3(1)	R301.3	Climate zones.	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	A	Y		
301-6	Table R301.3(2)	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	Y		Amend to delete Zones 1-5
301-7	None	R301.4	Tropical Climate region.	N	New section with no affect on Minnesota. Suggest deleting.	Ν	N	АМ	AM	Y		Delete
	-	_			SECTION R302 DESIG	IN CONDITIO	NS		-			
R302-1	R302.1	R302.1	Interior design conditions.	N	No change.	Ν	Ν	A - Adopt as written	AM	Y		Amend to add exterior design conditions to match commercial energy code for climatic parameters.
R302-2 (Code Change Submitted - RE- 3)	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(?).							
					SECTION R303 MATERIAL, SYS	STEMS AND E	QUIPMEN	T				
303-1	R303.1	R303.1	Material 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.				Recommend deleting item 3 at the very least because it is out of scope for a building official.

				To be con	npleted by Chair					To be com	pleted by TAG	6 members
ltem No.	Minnesota Code Section	"I" Code Section	Subject	Current Minnesota Amend	Description of Change	Safety & Health Value	Cost Impact	Recommendation: A - Accept R - Reject AM - Amend	Recommendation A - Accept R - Reject	TAG Group Consensus	Stake- holder Consensus	Comments
				Y or N		N=None, M=Med,		Comments	AM - Amend	Y or N	Y or N	
COLOR KE	Y:											
		need to be	revisited.									
			osal submitted.									
					CHAPT	ER 3						
		-		•	SECTION R301	GENERAL			-	-		
301-1	R301.1	R301.1	Climate zones, general.	Ν	Minor changes to text. Same net outcome.	N	Ν	A - Adopt as written	AM	Y		Recommend that Zone 5 upgrade to Zone 6. Will coordinate.
301-2	Figure R301.1	Figure R301.1	Climate zone map.		Updated climate zone map.				AM	Y		
(Code Change Submitted - RE- 2)				N				A - Adopt as written				
301-3	Table R301.1	Table R301.1	Climate Zones.		10 counties affected between '21 IECC and '15				AM	Y		Amend to delete non-minnesota
(Code Change Submitted - RE-					MRE. (Becker, Clay, Fillmore, Grant, Houston, Kanabec, Mille Lacs, Otter Tail, Wilkin, Winona.)			AM				data.
2)					Suggest amending to delete all states other than MN.							
301-4	R301.2	R301.2	Warm Humid Counties.	N	No change and no affect on Minnesota. Suggest amending to delete.			АМ	AM	Y		Delete
301-5		R301.3	Climate zones.		This section has been changed from				А	Y		
	R301.3(1)			N	"International climate zones" to "Climate zone definitions". Changes tabular format in 2015			A - Adopt as written				
					MRE to paragraph form. Largely has little implications for MN.							
301-6	Table R301.3(2)		Thermal climate zone definitions.	N	Gives cooling and heating degree days based on climate zone. Could amend to remove zones 1-			A - Adopt as written	AM	Y		Amend to delete Zones 1-5
301-7	None	R301.4	Tropical Climate region.	N	New section with no affect on Minnesota. Suggest deleting.	N	N	AM	AM	Y		Delete
	I	I	- -		SECTION R302 DESIG	GN CONDITIO	NS	· · · ·				
R302-1	R302.1	R302.1	Interior design conditions.	N	No change.	N	Ν	A - Adopt as written	AM	Y		Amend to add exterior design conditions to match commercial energy code for climatic parameters.
R302-2 (Code Change	NA	NA	Climatic data design conditions.		Proposed code change submitted to add this content to section R302. Content may fit better							
Submitted - RE-				I N	into Section R403.7(?).							
3)					SECTION R303 MATERIAL, SY			T				
303-1	R303.1	R303.1	Material identification.		The MRE expands to include 3 additional							Recommend deleting item 3 at the
					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;	L	L	Comment: Suggest maintaining current MRE				very least because it is out of scope for a building official.
					 (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. 			language.				

					1		-		_	•			
303-2	R303.1.1	R303.1.1	Building thermal envelope insulation		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.					A	Y	Y	
				N	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.	Ν	N	A - Adopt as written					
303-3	R303.1.1.1	R303.1.1.1	Blown/sprayed roof insulation	N	Minor changes to text. Same net outcome.	N	N	A - Adopt as written		A	Y	Y	
303-4	R303.1.2	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		A	Y	Y	
303-5	R303.1.3	R303.1.3	Fenestration product rating.		Modified section: 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>U-factors shall be determined in accordance</u> 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		A	Y	Y	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.
303-6	R303.1.4	R303.1.4	Insulation product rating.	N	Sentence has been restructured, no technical changes made.	N	N	A		A	Y	Y	
303-7	R303.1.4.1	R303.1.4.1	Insulated Siding.	N	New Section: <u>The thermal resistance, R-value,</u> 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		A	Y	Y	

303-8	R303.1.5	R303.1.5	Air-impermeable insulation.	N	New section: 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.	Ν	N	A - Adopt as written	A	Y	Y	
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	АМ				DLI will study to see if still necessary.
303-10		R303.2	Installation.	N	Updated section now includes reference to IRC. Materials, systems and equipment shall be installed in accordance with the manufacturer's installation instructions and the International Building Code <u>or the International Residential</u> <u>Code, as applicable</u> .			A - Adopt as written	A	Y	Y	
303-11	R303.2.1	R303.2.1	Protection of exposed foundation insulation.	N	Very minor changes to language. Same net effect.	N	N	A - Adopt as written	А	Y	Y	
303-12	R303.3	R303.3	Maintenance information.	N	One word changed: "accessible" label in MRE, "visible" label in IECC.	Ν	N	A - Adopt as written	A	Y	Y	

				To be con	npleted by Chair			
ltem No.	Minnesota Code Section	"I" Code Section	Subject	Current Minnesota Amend	Description of Change	Safety & Health Value	Cost Impact	F
				Y or N		N=None, M=Med,		

COLOR KEY:

RED Item = Items that need to be revisited.

PURPLE item = Code change proposal submitted.

					CHAPTE			
401-1	R401.1	R401.1	Scope.		SECTION R401 No change.	GENERAL	[
401-1	1401.1	1401.1	Scope.	Ν	No change.	Ν	N	A - Ado
401-2	R401.2	R401.2	Application/ Compliance.	N	Different language in 2021 IECC. With the new paths in the '21, plus the "Existing Buildings" content, the language needs updating.			A - Ado
401-3	NA	R401.2.1	Prescriptive option.	Ν	This and the following sections provide guidance to understand which subsequent sections must be used depending on the compliance path chosen. This guides the user to R401 General, R402 Building Thermal Envelope, R403 Systems, and R404 Electrical Power and Lighting.			
401-4	NA	R401.2.2	Total building performance option.	Ν	This path guides the user to R405 Total Building Performance.			
401-5	NA	R401.2.3	Energy Rating Index (ERI) option.	Ν	This path guides the user to R406 ERI Compliance Alternative.			
401-6	NA	R401.2.4	Tropical climate region option.	Ν	This path guides the user to R407 Tropical Climate Region Compliance Path. No relevance to MN as we are not tropical.	N	N	AM - D
401-7 (Code Change Submitted - RE- 5)	NA	R401.2.5	Additional energy efficiency.	N	This section identifies additional items that must be adhered to based on which compliance path is selected.			
401-8	R401.3	R401.3	Certificate.	Y	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 - Co best lar MRE &
402.4	D 402 4	D 402 1	Cananal		SECTION R402 BUILDING		IVELOPE	1
402-1	R402.1	R402.1	General.	Ν	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	
402-2	NA	R402.1.1	Vapor retarder.	Ν	Provides a pointer to the IRC or IBC as applicable, where vapor retarders are addressed.	Ν	N	A - Ado
402-3	R402.1.1	R402.1.2	Insulation and fenestration criteria.	Y	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.			AM - In conten

		To be com	pleted by TAC	6 members
Recommendation: A - Accept R - Reject AM - Amend Comments	Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Stake- holder Consensus Y or N	Comments
dopt as written	A	Y	Y	This could replace language in MR 1322.0100 Subp. 2 "Scope".
dopt as written	A	Y	Y	1522.0100 Subp. 2 Scope :
	A	Y	Y	
	A	Y	Y	
	A	Y	Y	
- Delete section.	AM	Y	Y	
	A	Y	Y	
- Combine relevant and language between & IECC.				DLI will study to see if we need the amended language.
	A	Y	Y	
dopt as written	AM	Y	Y	Add: An equivalent vapor retarder shall be provided on the warm-in- winter side of assemblies where part of the building thermal envelope.
- Include waterproofing ent from MRE.	AM	Y	Y	Relocate amended language to foundation walls section and retain model code language here. Insert amended language into 402.2.8 and 402.2.10.

402-4	Table R402.1.3	Table R402.1.2	Maximum assembly	1	U-factor table is now located earlier in the IECC,	1		1				Revisit with submitted code
(Code Change Submitted - RE- 12)			U-factors and fenestration requirements.	Ν	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.				change proposal. Topic tabled.
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.
402-6 (Code Change Submitted - RE- 6)	Table R402.1.1	Table R402.1.3	Insulation Minimum R- values and Fenestration Requirements by Component.	Y	Table has been retitled and updated with greater efficiencies for components. MN will need Zone 5 for SE MN. U-factors have been copied over from U-factor table, however there is a mistake in the SHGC. The intention is that the SHGC is not required in Zone 5, but the table states zone 5 is to meet 0.40, but states NR in Table 402.1.2. This will be fixed in the '24 IECC-R. We could consider removing the U- factor columns from the R-value table altogether and leaving U-factors in the Table 402.1.2. Regarding R-values, ceiling has increased from 49 to 60, wood frame walls increase and add additional CI options: 20 + 5ci, 13 + 10ci, or 0 + 20. 30 is added in the erratum.	L	Н	AM - Delete exception to footnote b, and delete footnotes e, f, and i as it does not pertain to MN. Consider deleting U-factor content. Change SHGC in Zone 5 to NR.				Table for review of code change proposal next meeting.
402-7	R402.1.2	R402.1.4	R-value computation.	N	consider. This section exists in the MRE for the most part, but is expanded and clarified in the IECC. 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	Y	Y	
402-8	R402.1.4	R402.1.5	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	Y	У	May need to readdress if U-value tables adjusted for fenestration.
402-9	R402.2	R402.2	Specific insulation requirements.	N	The word "(Prescriptive)" was removed in the IECC.	N	Ν	A - Adopt as written	А	Y	Y	
402-10	R402.2.1	R402.2.1	Ceilings with attic spaces.	N	This section reads essentially the same as in the MRE, except the R values are increased to parallel those in Table R402.1.3. Allows a reduced insulation value where a uniform thickness of insulation can be accommodated due to an adequately tall energy heel. Suggest deleting first sentence, as R-49 only applies to Zone 3 and south. Zones 5-7 all require the same attic R-value. Leaving the first sentence leads to confusion as to what the actual attic requirments are, as users do not realize the MN edition stems from model code language.	L	М	AM - Delete first sentence.	AM	Y	Y	Amend to delete first sentence. Delete "with attics."

402-11	R402.2.2	R402.2.2	Ceilings without attic		These sections are nearly identical in both				AM	Y	Y	Amend to delete section.
402 11	11402.2.2	11402.2.2	spaces.	N	codes. There are minor changes to the exact language in the IECC. The overall application is the same.	Ν	Ν	A - Adopt as written				
402-12	R402.2.3	R402.2.3	Eave baffle	N	The IECC has added content in this section to further clarify the intent. The overall outcome is the same.			A - Adopt as written	Table			Modify title to read "Wind wash prevention". Add to end: Wind wash baffle shall be provided to separate air permeable insulation from the ventilation intake space. John Smith will research to develop language
402-13	R402.2.4	R402.2.4	Access hatches and doors.	N	Similar language to the MRE. Two exceptions are added. Recommend deleting the second exception as it does not pertain to MN climate zones.	Ν	N	AM - Delete second exception.	AM			Amend to delete exceptions. DLI to write.
402-14	NA	R402.2.4.1	Access hatches and door insulation installation and retention.	N	Similar language to the MRE with revisions.	Ν	N	A - Adopt as written				
402-15	R402.2.5	R402.2.5	Mass walls.	N	Similar language to the MRE with revisions. Added an empirical specification regarding walls with a heat capacity greater than or equal to 6 Btu/SF x degrees F.	Ν	N	A - Adopt as written				
402-16	R402.2.6	R402.2.6	Steel-frame ceilings, walls and floors.	Ν	Same content in MRE, just updated the reference to Table R402.1.2 for U-factors.	Ν	Ν	A - 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.	Ν	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.				
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.				

402-20	R402.2.8	R402.2.8.1	Basement wall insulation		This section addresses how far the insulation					
			installation.	Y	must be installed down the wall. The IECC requires it to go to the top of the floor, whereas the MRE requires it to go to the top of the footing. Some if this depends if the insulation is installed on the interior or exterior of the wall. Given most foundation insulation is installed on the exterior in MN, the MRE is slightly more restrictive. The sections are very similar. The content may change based on building science research.	L	L	Comment: 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		
402-22	R402.2.9	R402.2.9.1	Slab-on-grade floor insulation installation.	Ν	Merely restructures same content that is in MRE.	N	Ν	A - Adopt as written		
402-23	R402.2.10	R402.2.10	Crawl space walls.	Ν	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.	Ν	Ν	AM - Amend to parallel language for conditioned basements. May be subject to building science research.		
402-24	R402.2.10	R402.2.10.1	Crawl space wall insulation installations.	Ν	See comments for R402.2.10 directly above.	N	N	See comments for R402.2.10 directly above.		
402-25	R402.2.11	R402.2.11	Masonry veneer.	Ν	No changes.	N	Ν	A - Adopt as written		
402-26	R402.2.12	R402.2.12	Sunroom and heated garage insulation.	Ν	Thermal envelope provisions for garages are now specifically addressed in the 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.	N	N	A - Adopt as written		
402-27	R402.3	R402.3	Fenestration.	Ν	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.	Ν	N	A - Adopt as written		
402-28	R402.3.1	R402.3.1	U-factor.	Ν	No changes.	N	Ν	A - Adopt as written		
402-29	R402.3.2	R402.3.2	Glazed fenestration SHGC.	Ν	Same content in MRE, but added section regarding dynamic glazing. Serves no purpose in MN as we do not regulate SHGC.	Ν	Ν	A - Adopt as written, could also be deleted.		
402-30	R402.3.3	R402.3.3	Glazed fenestration exemption.	Ν	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.	Ν	Ν	Comment: Either adopt as written, or amend to use language in MRE.		
402-31	R402.3.4	R402.3.4	Opaque door exemption.	Ν	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.					

402-32	R402.3.5	R402.3.5	Sunroom and heated garage fenestration.	N	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			
402-33	R402.4	R402.4	Air leakage.	N	Same provision in the MRE, but now includes reference to the additional section of R402.4.5. The additional section stems from adding R402.4.4 "Rooms containing fuel-burning appliances".	N	N	A - Adopt as written			
402-34	R402.4.1	R402.4.1	Building thermal envelope.	Ν	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	R402.4.1.1	R402.4.1.1	Installation.	N	Same language as the MRE.	N	N	A - Adopt as written			
402-36	Table R402.4.1.1	Table R402.4.1.1	Air barrier, air sealing and insulation installation.	Ν	The table is very similar to the MRE, with minor updates and clarifications.	L	L	A - Adopt as written			
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			
402-38 (Code Change Submitted - RE- 4)	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.						
402-39	R402.4.2	R402.4.2	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			
402-40	R402.4.3	R402.4.3	Fenestration air leakage.	N	Same language as the MRE.	L	L	A - Adopt as written			
402-41	NA	R402.4.4	Rooms containing fuel- burning appliances.	Ν	New provision in '21.			Merits discussion			
402-42		R402.4.5	Recessed lighting.								
402-43		R402.4.6	Electrical and communication outlet boxes (air-sealed boxes).								
402-44		R402.5	Maximum fenestration U- factor and SHGC.								
					SECTION R403	SYSTEMS					
(Code Change Submitted - RE-		R403.6.1			SECTION N405						
/)					SECTION R404 ELECTRICAL POW			EMS			
(Code Change Submitted - RE-		R404.4					1110 3131				
8,9,10,11,13)											
					SECTION R405 TOTAL BUIL	DING PERFO	RMANCE				
					SECTION R406 ENERGY RATING IND	EX COMPLIA	NCE ALTER	NATIVE			

Discuss definitions: 202-45 ERI Reference Design 202-68 Rated design 202-70 Renewable									
Energy Certificate (REC)									
			SECTION R407 TROPICAL CLIMAT	E REGION COI	MPLIANCE F	PATH			
			SECTION R408 ADDITIONAL EFF	ICIENCY PACK	AGE OPTIO	INS			
(Code Change Submitted - RE- 14)									

Meeting Date	Item # to START meeting	Item # at END of meeting	CCP's on Agenda
8/7/23 1:00 PM	202-1	202-76	
8/21/23 1:00 PM	202-77	303-1	
9/5/23 9:00 AM	303-2	402-14	
9/18/23 1:00 PM	402-15		RE-2, RE-3, RE-4, RE-5, RE-6, RE-12
10/2/23 1:00 PM			
10/16/23 1:00 PM			
10/30/23 1:00 PM			

Proposal #	Submittal date	Section	Topic / Summary	Proposal submitted by	On Agenda for () Meeting Date	TAG consensus Support/Deny
RE-1	6/27/2023	MR 1322.0100 Subp. 2	Update scoping criteria.	Amanda Spuckler		
RE-2	6/27/2023	R301.1	Remove climate zone content outside of MN.	Amanda Spuckler	Tuesday, September 5, 2023	
RE-3	8/28/2023	R302	Add climatic data design conditions.	John Smith	Tuesday, September 5, 2023	
RE-4	8/30/2023	R402.4.1.3	Air sealing.	Jared Johnson, Marcy Conrad Nutt	Tuesday, September 5, 2023	
RE-5	8/30/2023	R401.2.5	Alternative compliance.	Jared Johnson, Marcy Conrad Nutt	Tuesday, September 5, 2023	
RE-6	8/30/2023	Table R402.1.3	Continuous insulation.	Jared Johnson, Marcy Conrad Nutt	Tuesday, September 5, 2023	
RE-7	8/30/2023	R403.6.1	Balanced ventilation.	Jared Johnson, Marcy Conrad Nutt		
RE-8	8/30/2023	R404.4	Electric ready.	Ben Rabe		
RE-9	8/30/2023	R404.4	Energy storage.	Ben Rabe		
RE-10	9/5/2023	R404.4	EV Charging.	Ben Rabe		
RE-11	8/30/2023	R404.4	Solar ready.	Ben Rabe		
RE-12	8/30/2023	Table R402.1.2	Window U-Value.	Ben Rabe	Tuesday, September 5, 2023	
RE-13	8/30/2023	R404.4	Electric ready.	Jonny Kocher		
RE-14	8/30/2023	R408	Credit table proposal.	Jonny Kocher		
RE-15	9/1/2023	R202	Definitions: Exhaust, HRV, Residential Building, Ventilation, Ventilation Air	Greg Metz		