

Mod Number	Text of Mod																					
RE#1	Adds applicable dwelling and building types, a subsection noting application of appendices, and moves “design and construction” language from R101.3 to Scope section																					
Related Mods: RED1-8-22	Approve As Submitted / clarification of code Drew / Sanders 9 Yes – 0 No			<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th>Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td></td> </tr> </table> <table border="1"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap		X			Action	AS	AS/IC	D	D/IC		X			
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	X																					
RE#2	Revises Intent section language, including adding optional supplemental requirements overview, non-mandatory appendices, and code update cycle discussions Renumbered from R101.5 Renumbered from R101.5.1																					
Related Mods:	Deny / conflicts and increasing stringency Drew / Cochelle 9 Yes – 0 No			<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th>Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td></td> </tr> </table> <table border="1"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap		X			Action	AS	AS/IC	D	D/IC				X	
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			X																			
RE#3	Renumbered from R101.4, Renumbered from R101.4.1, Renumbered from R108.3, Renumbered from R108.2, Renumbered from R108.1, Renumbered from R108.1.1, Renumbered from R108.1.2																					
Related Mods: RED1-9-22	Deny / Overlap Drew / Graboski 9 Yes – 0 No			<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th>Over lap</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> </table> <p>o</p> <table border="1"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap				X	Action	AS	AS/IC	D	D/IC				X	
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RE#4	<p>New section providing code compliance enforcement agency, appointment and deputy language Provides enforcement agency creation language Requires that the AHJ be appointed by the chief appointing authority of the jurisdiction Provides for the AHJ's authority to appoint a deputy and other employees</p>																		
<p>Related Mods: RED1-9-22</p>	<p>Deny / Public comment creates conflict in FBC Drew Cochelle 9 Yes – 0 No</p> <table border="1" data-bbox="1276 217 1923 326"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th>Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td></td> </tr> </table> <table border="1" data-bbox="1276 358 1877 415"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap		X			Action	AS	AS/IC	D	D/IC				X	
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RE#5	<p>Renumbered from R102.1 Renumbered from R102.1.1 and changes the thermal envelope requirements from 2009 IECC table-based efficiencies to thermal conductance (TC) calculation efficiencies</p>																		
<p>Related Mods: RED1-9-22 REPI-4-21 REPI-33-21 RED1-186-22 RED1-10-22 RED1 185-22</p>	<p>Deny / Overlap Drew / Graboski 9 Yes – 0 No</p> <table border="1" data-bbox="1276 537 1923 646"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th>Over lap</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> </table> <table border="1" data-bbox="1276 678 1877 735"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap				X	Action	AS	AS/IC	D	D/IC				X	
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RE#6	<p>Renumbered from R103 Renumbered from R103.1 Renumbered from R103.2 Renumbered from R103.2.1 New section stipulating that where a solar-ready zone is provided, the construction documents indicate dedicated roof area, roof and ground loads, and routing of conduit, prewiring, or plumbing Renumbered from R103.3 Renumbered from R103.3.1 Renumbered from R103.3.2 Renumbered from R103.3.3 Renumbered from R103.4 Renumbered from R103.5</p>																		
<p>Related Mods: RED1-9-22 RED1-10-22</p>	<p>Approve As Submitted / Enhances and Clarifies the code Quintella Sanders 8 Yes – 1 No</p> <table border="1" data-bbox="1234 1114 1881 1222"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th>Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td></td> </tr> </table> <table border="1" data-bbox="1234 1255 1835 1312"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap		X			Action	AS	AS/IC	D	D/IC		X			
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RE#7
 Renumbered from R104
 Renumbered from R104.1 and minor editing
 Renumbered from R104.2
 New section requiring applicant for a permit to provide an estimated value of the work at the time of application
 Renumbered from R104.3
 Renumbered from R104.4
 Renumbered from R104.5

Related Mods:
 RED1-9-22
 CEPI-8-21 Part II, RED1-10-22

Deny / Overlap Graboski / Cochelle 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

Action	AS	AS/IC	D	D/IC
			X	

RE#8
 Renumbered from R105
 Renumbered from R105.2
 Renumbered from R105.2.1
 Renumbered from R105.2.2, adds “air barrier” to title, and replaces existing insulation and fenestration inspection text with expanded air barrier inspection text (insulation and fenestration inspection text moved to new Section R107.2.6)
 Renumbered from R105.3
 Renumbered from R105.4, adds “third-party” to title, and adds requirement that third-party inspection agencies be approved prior to issuance of the building permit
 New section requiring approved third-party inspection agency provide all requested information for the code official to determine that the agency meets the applicable requirements, and to authorize its work in the jurisdiction.
 New section requiring that an approved third-party inspection agency be an independent business identity, perform its duties in accordance with the scope of delegated responsibilities established by the code official, disclose any conflicts of interest, and acknowledge in writing that it is authorized to work only within the scope of delegated responsibilities
 New section that requires that an approved third-party inspection agency have adequate equipment to perform required inspections and tests and that all testing equipment be calibrated as required
 New section that requires that personnel assigned by an approved third-party inspection agency to perform inspections and testing be trained or credentialed, and documentation of training or credentials be available upon request
 New section that stipulates that where approved, a third-party inspection agency has the authority to perform delegated inspections and determine compliance or noncompliance of work
 New section that stipulates third-party inspection agencies reporting requirements
 Renumbered from R105.5, Renumbered from R105.6

Related Mods:
 RED1 9-22
 RED1-10-22
 REPI-33-21,
 RED1-14-22
 RED1-16-22

Approve As Submitted / Quintella / dies for lack of 2nd
 Deny / Public Comment conflict with code Cochelle / Smith 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

Action	AS	AS/IC	D	D/IC
			X	

RE#9	Renumbered from R106 Renumbered from R106.1 Renumbered from R106.2																		
Related Mods: RED1 9-22 RED1-10-22	Approve As Submitted / correlation in the code Quintella / Sanders 9 Yes – 0 No <table border="1" data-bbox="1213 196 1915 399"> <tr> <td>Staff Classification</td> <td>Correlates Directly</td> <td>Energy Standard Needed</td> <td>Over lap</td> </tr> <tr> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Action</td> <td>AS</td> <td>AS/IC</td> <td>D</td> <td>D/IC</td> </tr> <tr> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap		X			Action	AS	AS/IC	D	D/IC		X			
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RE#10	Renumbered from R110 Renumbered from R110.1 Renumbered from R110.2 and one edit regarding authority to interpret the administration of the code Renumbered from R110.3 and adds qualification clarification Renumbered from R110.4 and removes "immediate" from action requirement																		
Related Mods: RED1-17-22	Deny / Overlap Cochelle / Sanders 9 Yes – 0 No <table border="1" data-bbox="1234 561 1940 781"> <tr> <td>Staff Classification</td> <td>Correlates Directly</td> <td>Energy Standard Needed</td> <td>Over lap</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>Action</td> <td>AS</td> <td>AS/IC</td> <td>D</td> <td>D/IC</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap				X	Action	AS	AS/IC	D	D/IC				X	
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Action	AS	AS/IC	D	D/IC															
			X																
RE#11	Renumbered from R109 Renumbered from R109.1 Renumbered from R109.2 Renumbered from R109.3 Renumbered from R109.4																		
Related Mods: CEC2D-4-23 Part II, RED1-9-22, RED1-10-22, RED1-17-22	Deny / Overlap Cochelle / Graboski 9 Yes – 0 No <table border="1" data-bbox="1234 959 1940 1162"> <tr> <td>Staff Classification</td> <td>Correlates Directly</td> <td>Energy Standard Needed</td> <td>Over lap</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>Action</td> <td>AS</td> <td>AS/IC</td> <td>D</td> <td>D/IC</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap				X	Action	AS	AS/IC	D	D/IC				X	
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RE#12

New definitions added
 Edit changes “building envelope” to “building thermal envelope”
 Replaces “continuous passageway” based language with new language using newly defined “ductwork” and “space conditioning equipment” terms
 “High-Efficacy Light Sources” term deleted
 Replaces “building” with “dwelling unit” and “total building performance with “simulated building performance”
 Replaces “building” with “dwelling unit”
 Clarifies and expands definition
 Replaces definition for “dwelling unit enclosure area” and adds newly defined “sleeping unit” to wall height measurement stipulation

Related Mods:
 AIR-HANDLING
 UNITRED1-285-22

 APPROVED
 SOURCE REPI 150-21, RED1-268-22

 AIR-HANDLING UNIT
 RED1-285-22

 AUTOMATIC SHUT-OFF
 REPI-106-21

 BALANCED VENTILATION
 SYSTEM RED1-343-22

 BIODIESEL
 BLENDRECD1-12-22
 COMMON AREAS
 REPI 69-21, RED1-360-22

 CONSTRUCTION DOCUMENTS
 REPI-150-21

 CONTINUOUS PILOT
 REPI 74-21, RED1-283-22

 DAMPER RED1-285-22

 DEMAND RESPONSE SIGNAL
 REPI-90-21

 DEMAND RESPONSIVE CONTROL
 REPI-90-21

 DISTRIBUTION SYSTEM
 EFFICIENCY REPI-78-21

 DUCTWORK RED1-

Part A – per Madani – this is only the Definition –
Deny / based on conflicts in the code Cochelle/ Graboski 7 Yes – 2 No passes-

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#12 A

Action	AS	AS/IC	D	D/IC
			X	

Part B Deny – overlap Cochelle/ Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#12 B

Action	AS	AS/IC	D	D/IC
			X	

Part C – Deny / possible conflict with FBC Cochelle / Graboski 9 Yes – 0 No -

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#12 C

Action	AS	AS/IC	D	D/IC
			X	

Part D Deny / Overlap Cochelle / Graboski 9 Yes – 0 No -

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#12 D

Action	AS	AS/IC	D	D/IC
			X	

285-22

EMITTANCE CEPI-15-21 PART II, RED1-189-22, RE2D-3-23

ENCLOSED REFLECTIVE AIR SPACE REPI-11-21

ENERGY RATING INDEX RECPI 11-21, RED1-65-22

EXISTING BUILDING (RED1-264-22

F-FACTOR (THERMAL TRANSMITTANCE) REPI-26-21

FUEL GAS RECD1-12-22

FUEL OIL RECD1-12-22

GRADE PLANE REPI-33-21, RED1-3-22

HEAT EXCHANGER RED1-285-22

LIQUID FUEL RECD1-12-22

LIVING SPACE REPI-33-21

LOW SLOPE REPI 33-21, RED1-182-22

OCCUPIABLE SPACE RED1-285-22

ON-DEMAND PILOT RED1-283-22

PLENUM RED1-285-22

RADIANT BARRIER REPI-42-21, REPI-13-21

Part E - Deny / Overlap Cochelle / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#12 E

Action	AS	AS/IC	D	D/IC
			X	

Part F - Deny / possible conflict with the code Cochelle Grabroxki 8 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#12 F

Action	AS	AS/IC	D	D/IC
			X	

Part G - Deny / Overlap Cochelle / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#12 G

Action	AS	AS/IC	D	D/IC
			X	

Part H - Deny / Overlap Cochelle / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#12 H

Action	AS	AS/IC	D	D/IC
			X	

Part I – Deny / possible conflicts with code Cochelle / Graboski 8 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#12 I

Action	AS	AS/IC	D	D/IC
			X	

REFLECTIVE INSULATION REPI-11-21

SIMULATED BUILDING PERFORMANCE CEPI 24-21 PART II, RED1-31-22

SLEEPING UNIT REC2D-8-23

SOLAR-READY ZONE REPI-33-21

SPACE CONDITIONING RED1-285-22

SPACE CONDITIONING EQUIPMENT RED1-285-22

STEEP SLOPE REPI 33-21, RED1-182-22

SUBSTANTIAL IMPROVEMENT RED1-263-22, RE2D-8-23

WORK AREA REPI-144-21

Part J – Deny / Overlap Cochelle / Graboski 8 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#12 J

Action	AS	AS/IC	D	D/IC
			X	

Part K – Deny / conflicts with FBC Cochelle / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#12 K

Action	AS	AS/IC	D	D/IC
			X	

Part L - Deny / Overlap Cochelle / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#12 L

Action	AS	AS/IC	D	D/IC
			X	

Part M Deny / Overlap Cochelle / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#12 M

Action	AS	AS/IC	D	D/IC
			X	

RE#13	<p>Adds requirements for what must be included on the certification for reflective insulation Adds insulation mark exception for roof insulation installed above roof deck New section stipulates requirements for using the R-value of an enclosed reflective airspace or enclosed nonreflective airspace for code compliance New section stipulates standard requirements for radiant barriers</p>																																																													
<p>Related Mods: REPI 11-21, RED1-194-22</p> <p>R303.1.2 CEPI-19-21 Part II R303.1.6 RED1-194-22</p> <p>R303.2.2 REPI 13-21, RED1-194-22</p>	<p>Part A - Deny / Overlap Cochelle / Graboski 9 Yes – 0 No</p> <hr style="border-top: 1px dashed orange;"/> <p>Part B - Deny / Overlap Cochelle / Graboski 9 Yes – 0 No</p> <hr style="border-top: 1px dashed orange;"/> <p>Part C - Deny / Overlap Cochelle / Graboski 9 Yes – 0 No</p>	<table border="1" data-bbox="1283 233 1940 354"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td></td> <td></td> <td colspan="2">X</td> </tr> </table> <p style="color: red; text-align: center;">RE#13 A</p> <table border="1" data-bbox="1283 399 1892 456"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table> <hr style="border-top: 1px dashed orange;"/> <table border="1" data-bbox="1276 542 1927 654"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td colspan="2"></td> </tr> </table> <p style="color: red; text-align: center;">RE#13 B</p> <table border="1" data-bbox="1276 699 1879 756"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table> <hr style="border-top: 1px dashed orange;"/> <table border="1" data-bbox="1276 841 1927 953"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td></td> <td></td> <td colspan="2">X</td> </tr> </table> <p style="color: red; text-align: center;">RE#13 C</p> <table border="1" data-bbox="1276 998 1879 1055"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap					X		Action	AS	AS/IC	D	D/IC				X		Staff Classification	Correlates Directly	Energy Standard Needed	Over lap			X				Action	AS	AS/IC	D	D/IC				X		Staff Classification	Correlates Directly	Energy Standard Needed	Over lap					X		Action	AS	AS/IC	D	D/IC				X	
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RE#14	<p>As part of larger revision, removes requirement for residential buildings to comply with removed Section R401.2.5, which in the 2021 IECC, provided additional energy efficiency requirements Adds Section R408 “credits” based Additional Efficiency Requirements for the Prescriptive compliance option For the certificate that indicates listed efficiencies, in items 2 and 3 adds “thermal” to “building envelope”, in item 7 adds requirement to indicate Section R408 additional efficiency measures selected, and adds item 8 regarding solar-ready zone</p>																																																													
<p>Related Mods: REPI-18-21 CEPI-24-21 Part II REPI-21-21 RED1 185-22, RED1-285-22</p>	<p>Deny / Overlap Cochelle / Sanders 9 Yes – 0 No</p>	<table border="1" data-bbox="1276 1224 1927 1360"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td></td> <td></td> <td colspan="2">X</td> </tr> </table> <table border="1" data-bbox="1276 1393 1879 1450"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap					X		Action	AS	AS/IC	D	D/IC				X																																									
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			X																																																											

<p>RE#15</p>	<p>Revises referenced building thermal envelope compliance sections to clarify R-value vs. new (revised from Total UA) Component performance alternative Prescriptive compliance options Adds maximum F-factor requirement for applicable assemblies per new Table R402.1.2 limits Flips table rows and columns Changes "Fenestration U-Factor" column label into "Vertical Fenestration U-factor" (now row) label Separates "Glazed Fenestration SHGC" into "Glazed Vertical Fenestration SHGC" and "Skylight SHGC," and adds new skylight SHGC limits (0.28 in Climate Zones 1 and 2 vs. 0.25 for glazed vertical fenestration in Climate Zones 1 and 2); this maximum skylight limit is lowered from 2021 IECC's (removed) footnote "d" exception for Climate Zones 1-3 which allowed skylight SHGCs up to 0.30 Adds "Insulation Entirely Above Roof Deck", "Unheated Slab F-factor," and "Heated Slab F-factor" assembly types Decreases maximum allowed skylight U-factors from 0.75 to 0.60 for Climate Zone 1 and from 0.65 to 0.60 for Climate Zone 2 Increases maximum allowed ceiling U-factor for Climate Zone 2 from 0.026 to 0.030 Removes 2021 IECC footnote "e" which excluded Marine Zone SHGC requirements (for 2024 IECC, included in table) 2024 IECC footnote "d" ("f" in 2021 IECC) reduces maximum U-factor in Marine Climate Zone 4 and Climate Zones 5 through 8 for vertical fenestration products in provided cases Adds new footnote "e" that provides slab F-Factor details Adds "F-factor" to section, now allowing assemblies with an R-value of insulation materials equal to or greater than that specified in Table R402.1.3 to be an alternative to the U-factor or F-factor in Table R402.1.2 Flips table rows and columns Changes "Fenestration U-Factor" column label into "Vertical Fenestration U-factor" (now row) label Adds maximum vertical fenestration U-factor of 0.50 for Climate Zones 0 and 1 Separates "Glazed Fenestration SHGC" into "Glazed Vertical Fenestration SHGC" and "Skylight SHGC," and adds new skylight SHGC limits (0.28 in Climate Zones 1 and 2 vs. 0.25 for glazed vertical fenestration in Climate Zones 1 and 2); this maximum skylight limit is lowered from 2021 IECC's (removed) footnote "b" exception for Climate Zones 1-3 which allowed skylight SHGCs up to 0.30 Adds "Insulation Entirely Above Roof Deck" assembly type, and breaks "Slab R-value & Depth" assembly type into "Unheated Slab R-value & Depth," and "Heated Slab R-value & Depth" assembly types Decreases maximum allowed skylight U-factors from 0.75 to 0.60 for Climate Zone 1 and from 0.65 to 0.60 for Climate Zone 2 Decreases minimum allowed ceiling R-value for Climate Zone 2 from 49 to 38 New footnote "c" requires slab insulation to be installed in accordance with Section R402.2.9.1 , which provides requirements removed from 2021 IECC footnote "d" Moves 2021 IECC footnote "f" regarding basement wall insulation in Warm Humid locations to footnote "d" Moves 2021 IECC footnote "g" regarding frame wall cavity and continuous insulation to footnote "e" Moves 2021 IECC footnote "h" regarding mass walls to footnote "f" Moves 2021 IECC footnote "i" regarding vertical fenestration product U-factor for buildings in certain locations to footnote "g", decreases the included Climate Zones from 3 – 8 to Marine 4 and 5 – 8, and reduces the maximum U-factor from 0.32 to 0.30 Adds cavity + continuous and continuous only insulation options for floors, and adds footnote "h" to provide clarifications regarding these options</p>																		
	<p>Deny / Overlap Cochelle / Graboski 9 Yes – 0 No</p> <table border="1" data-bbox="1276 1068 1923 1175"> <tr> <td>Staff Classification</td> <td>Correlates Directly</td> <td>Energy Standard Needed</td> <td>Over lap</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> </table> <table border="1" data-bbox="1276 1208 1877 1268"> <tr> <td>Action</td> <td>AS</td> <td>AS/IC</td> <td>D</td> <td>D/IC</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap				X	Action	AS	AS/IC	D	D/IC				X	
Staff Classification	Correlates Directly	Energy Standard Needed	Over lap																
			X																
Action	AS	AS/IC	D	D/IC															
			X																
<p>RE#16</p>	<p>Changes title from "Total UA alternative" and replaces UA based compliance with thermal conductance (TC) based compliance which combines UA calculation with perimeter * F-factor calculation Renumbered from R402.4.4 and clarifies "building thermal envelope" term Adds exception for Section R402.1.3 requirement of R-38 insulation in the ceiling or attic wherever the full height of uncompressed R-30 insulation extends over the wall top plate at the eaves, and removes a similar exception for when R-60 insulation is required Replaces exception reference to "Total UA" alternative with "component performance" alternative for consistency with Section R402.1.5 change New section requires that wood attic knee wall assemblies that separate conditioned space from unconditioned attic spaces comply with Table R402.1.3 for</p>																		

wood-framed walls, and steel attic knee wall assemblies comply with Section R402.2.7; also requires that these knee walls have an air barrier between conditioned and unconditioned space

New section requires that where wood vertical roof truss framing members are used to separate conditioned space and unconditioned space, they must comply with Table R402.1.3 for wood-framed walls, and steel frame vertical roof truss framing members used to separate conditioned space and unconditioned space must comply with Section R402.2.7

Renumbered from R402.2.3

Renumbered from R402.2.4

Replaces exception reference to “total UA” alternative with “component performance” alternative for consistency with Section R402.1.5 change

Renumbered from R402.2.4.1

Renumbered from R402.2.5

Renumbered from R402.2.6

Revises section, removing requirement to comply with the insulation R-value requirements of Table R402.2.6, keeping the U-factor requirements of Table R402.1.2, and revises the calculation of the U-factor, now requiring it to be in accordance with AISI S250 with modifications

Table removed as part of Section R402.2.7 revision

Renumbered from R402.2.7

Revises and clarifies floor insulation installation section

Renumbered from R402.2.8

Minor rewording

Renumbered from R402.2.8

Adds phrase “or in accordance with the proposed design or the rated design, as applicable”

Renumbered from R402.2.9

Changes floor surface criterion from “less than 12 inches (305 mm) below grade” to “within 24 inches (610 mm) above or below grade”

Renumbered from R402.2.9.1

Makes section requirements only applicable to Prescriptive compliance (Performance and ERI requirements in separate new section); with floor penetration exceptions, requires full-slab insulation to be continuous under the entire area of the floor; and adds heated slab perimeter requirements

New section stipulating that for Performance or ERI compliance, slab-on-grade insulation be installed in accordance with the proposed design or rated design

Renumbered from R402.2.10

Changes the crawl space wall insulation requirement from being in accordance with Table R402.1.3 to Section R402.2.11.1 or new 402.2.11.2

General rewording including changes to insulation location requirements

New section stipulating that for Performance or ERI compliance, crawl space wall insulation be installed in accordance with the proposed design or rated design

Renumbered from R402.2.11

Renumbered from R402.2.12

New section requiring that where installed, radiant barriers be installed in accordance with ASTM C1743

Renumbered from R402.3

Renumbered from R402.3.1

Renumbered from R402.3.2

Renumbered from R402.3.3 and changes reference to “Total UA” to new “component alternative” compliance option

Renumbered from R402.3.4 and changes reference to “Total UA” to new “component alternative” compliance option

Renumbered from R402.3.5

Renumbered from R402.4

Renumbered from R402.4.1

Renumbered from R402.4.1.1

Renumbered from Table R402.4.1.1

Added “Air Sealing” to “Air Barrier Criteria” header

Adds requirement that air barriers installed in a dropped ceiling or soffit separate it from unconditioned space; removes requirement that the air barrier be aligned with the insulation and any gaps be sealed; and requires that seals for access openings, drop down stairs or knee wall doors to unconditioned attic spaces be sealed with gasketing materials that allow for repeated entrance over time

Adds insulation installation requirement that access hatches

and doors be installed and insulated in accordance with Section R402.2.5, and eave baffles be installed in accordance with Section R402.2.4

Adds “building” to Insulation Installation Criteria section’s “exterior thermal envelope” term as clarification.

New component entry provides Air Barrier, Air Sealing Criteria and Insulation Installation Criteria requirements for knee walls

Clarifies Air Barrier, Air Sealing Criteria requirements and adds that sealing must be in accordance with fenestration manufacturer's instructions

Adds Insulation Installation Criteria section entry that insulation is not required in the rough opening gap except as required by the fenestration manufacturer's instructions

Removes “exterior” from Air Barrier, Air Sealing Criteria section requirement: “Rim joists shall include an exterior air barrier.”

Replaces existing Air Barrier, Air Sealing Criteria section requirement that an air barrier be installed at any exposed edge of insulation with requirement that floor framing members that are part of the building thermal envelope be air sealed to maintain a continuous air barrier; also adds requirement that air permeable floor cavity insulation be enclosed

Replaces existing floor framing cavity Insulation Installation Criteria requirements with requirement that floor insulation be installed in accordance with Section R402.2.8

As clarification, puts comma between “basement” and “crawl space” in “Basement, crawl space and slab foundations” component title

Changes component title from “Shower/tub on exterior wall” to “Showers, tubs and fireplaces adjacent to the building thermal envelope”

Revises Air Barrier, Air Sealing Criteria requirement wording and adds fireplaces

Revises Insulation Installation Criteria requirement wording slightly and adds fireplaces

Changes component title from “Electrical/phone box on Exterior walls” to “Electrical, Communication and other equipment boxes, housings and enclosures”

Revises Air Barrier, Air Sealing Criteria requirement air-sealing wording, and adds concealed opening sealing requirement

Adds new Insulation Installation Criteria that boxes, housing and enclosures must be buried in or surrounded by insulation

Removes “that penetrate building thermal envelope” from HVAC boot Air Barrier, Air Sealing Criteria requirement

Adds new Insulation Installation Criteria that HVAC register boots located within a building thermal envelope assembly be buried in or surrounded by insulation

New component entry provides Air Barrier, Air Sealing Criteria and Insulation Installation Criteria requirements for common walls or double walls separating attached single-family dwellings or townhouses, including fire-resistance-rating related

Removes “air barrier” from footnote to clarify that “air barrier” is not intended to be included in this exception, leaving: “Insulation full enclosure is not required in unconditioned/ventilated attic spaces and at rim joists”

Renumbered from R402.4.1.2, and renamed from “Testing”

Revises air leakage testing requirement to specify that where applicable, each dwelling unit or (newly defined) sleeping unit in the building must be tested

Air leakage rate limits are moved from this section to Section R402.5.1.3 and revised

Adds ASTM E3158 testing standard

Adds “differential” to clarify that air leakage testing is conducted and reported at a pressure differential of 0.2 inch water gauge (50 Pascals)

Moves heated, attached private garages and heated, detached private garages exception from before “During testing” items to after these items

Adds dwelling and sleeping unit sampling testing exception

Removes individual dwelling units that are 1,500 square feet (139.4 m²) or smaller language from testing exception

Removes mechanical ventilation requirement from this section (but similar language remains in Section R403.6)

New building air leakage testing sampling provision for buildings with eight or more dwelling units or sleeping units

Renumbered section from R402.4.1.3 and renamed from “Leakage rate”

Air leakage rate limits are moved from R402.1.2.1 to this section and revised downward, with exceptions for attached dwelling or sleeping units or when located in an R-2 occupancy, and for buildings with 1,500 square feet (139.4 m²) or less of conditioned floor area

Renumbered from R402.4.2

Renumbered from R402.4.3

Renumbered from R402.4.5

Renumbered from R402.4.6 and renamed from “Electrical and communication outlet boxes (air-sealed boxes)”

Revises wording to clarify section

Renumbered from R402.5

Related Mods:
REPI-26-21, RED1-185-22, RED1 186-22, RED1-208-22

RED1-243-22 Part I

R402.2.1 RED1-186-22, REC2D-6-23

R402.2.2 RED1-186-22

R402.2.3 REPI 39-21, RED1-212-22

R402.2.3.1 REPI 39-21, RED1-212-22

R402.2.4 REPI 39-21, RED1-212-22

R402.2.5 REPI-39-21, RED1-186-22, RED1-212-22

R402.2.5.1 REPI 39-21, RED1-212-22

R402.2.6 REPI 39-21, RED1-212-22

R402.2.7 REPI-39-21, REPI-40-21, RED1 185-22, RED1-212-22

R402.2.7 REPI-39-21, REPI-40-21, RED1 185-22, RED1-212-22

R402.2.9.1 REPI-39-21, RED1 212-22, RED1-217-22

R402.2.10 REPI-26-21, REPI-39-21, RED1-208-22, RED1-210-22, RED1 212-22, RED1-250-22

R402.2.10.1 REPI-26-21, REPI-39-21, RED1

Part EA Deny / Overlap Cochelle / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#16-E A

Action	AS	AS/IC	D	D/IC
			X	

Part B - Deny / Overlap Cochelle / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#16 B

Action	AS	AS/IC	D	D/IC
			X	

Part C – Deny / Public comment – not needed in Florida Sanders / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#16 C

Action	AS	AS/IC	D	D/IC
			X	

Part D - Deny / Overlap Sanders / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#16 D

Action	AS	AS/IC	D	D/IC
			X	

Part E - Deny conflicts with the Code Drew / Cochelle 9 Yes – 0 No- D

212-22, RED1-250-22

R402.2.11.1 REPI-37-21, REPI-39-21, RED1 211-22, RED1-212-22

R402.2.11.2 REPI-39-21, RED1-212-22, RED1-250-22, REC2D-1-23

R402.2.12 REPI 39-21, RED1-212-22

R402.2.13 REPI 39-21, RED1-212-22

R402.3 REPI 42-21, RED1-218-22

R402.5.1.2.1 REPI-61-21, RED1-222-22, RED1-224-22 Part I, REC2D-8-23

Part F - Deny / Overlap Graboski / Sanders 9 Yes – 0 No

Part G - Deny / Overlap Graboski / Cochelle 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#16 F

Action	AS	AS/IC	D	D/IC
			X	

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#16 G

Action	AS	AS/IC	D	D/IC
			X	

RE#17

Revises heat pump supplementary heat section language to include fuel gas and liquid fuel heating systems, and further stipulates when supplemental heat can be used

Revises language including changing "oil" to "liquid fuel"

Renamed from "Ducts"

2021 IECC includes a duct testing exception in Section R403.3.5 for ventilation system ducts that are not integrated with ducts serving heating or cooling systems; the 2024 IECC modifies this exception language slightly and moves it up to Section R403.3 so it now applies to duct system testing and other duct system installation sections from R403.3.3 through R403.3.9

New section stipulating duct system design and sizing standards based on number of dwelling or sleeping units

Renumbered from R403.3.7 and term "ducts" changed to "ductwork"

Renumbered from R403.3.1, renamed from "Ducts located outside conditioned space", and term "ducts" changed to "ductwork"

Renumbered from R403.3.2, renamed from "Ducts located in conditioned space", and term "ductwork" changed to "duct systems"

Section language revised for clarification purposes; also adds unvented attics with vapor diffusion ports to buried ductwork option

Renumbered from R403.3.3, renamed from "Ducts buried within ceiling insulation", term "duct" changed to "ductwork", and minor additional text revisions

Adds items #4 and 4.1 which add an unvented attic (with vapor diffusion port) buried R8 supply duct option for Climate Zones 0A, 1A, 2A and 3A

Renumbered from R403.3.3.1, term "duct" changed to "ductwork", and minor additional text revisions

Renumbered from R403.3.4, term "ducts" changed to "ductwork", and minor additional text revisions

Renumbered from R403.3.4.1, renamed from "Sealed air handler", and "air handlers" changed to "air-handling units" in text

Renumbered from R403.3.5, renamed from "Duct testing", and revised, removing "rough-in test" and "postconstruction test" based organization

Adds duct testing exception for 10 feet or less of total ductwork when the duct system is entirely in conditioned space and the ductwork does not include building cavity or gypsum board plenums

Adds duct testing exception to section, allowing testing where space conditioning equipment is not installed-- in these cases, requires total supply and return duct leakage to be less than or equal to 3.0 cfm/sq. ft.; 2021 IECC had same allowance, but applied to Prescriptive only; now also applies to Performance

Adds exception to section which, in conjunction with new Section R403.3.9, allows duct testing sampling for buildings with eight or more dwelling units or sleeping units

Renumbered from R403.3.6, renamed from "Duct leakage", and revised, moving from "rough-in test" and "postconstruction test" duct leakage limits organization to limits shown in new Table R403.3.8, based on floor area served by the duct system, equipment and duct configuration, and number of ducted returns

Adds duct testing unit sampling section which, in conjunction with new Section R403.3.7, allows duct testing sampling for buildings with eight or more dwelling units or sleeping units

Minor edit and new requirement that piping protection be removable no less than 6 feet (1828 mm) from the equipment for maintenance

Reorganizes language slightly, adds gravity circulation system prohibition, and adds requirement that where a cold water supply pipe is used as the return pipe, a temperature sensor connected to the controls be located on the hot water supply not more than two feet (305 mm) from the connection to the cold water supply pipe

Removes "where installed" and adds specifications on how controls must limit pump operation

Changes hot water pipe insulation requirements for stipulated conditions from R3 to 1.0 inch insulation thickness based on fluid operating temperature range and usage as provided in new Table R403.5.2; also removes piping serving more than one dwelling unit condition and provides exception for cold water returns in demand recirculation water systems; section now also applies to performance compliance

Adds "dwelling units" to the structures that must comply with this section, further changes the structures that must comply with this section by changing reference from Section R402.5.1 "Building thermal envelope" to R402.5.1.1 "Installation" and adds "mechanical" to phrase "shall be provided with mechanical ventilation..."

Adds Climate Zone 6 to those included in this section's heat or energy recovery ventilation requirements and revises text to include sensible recovery efficiency (SRE) term and stipulates how SRE must be determined

Fixes typos, provides minor clarifications, and references and provides revised mechanical ventilation system fan efficacy Table R403.6.2 that includes test procedure for each system type and provides additional minimum efficacies for "Balanced ventilation system without heat or energy recovery" and "other exhaust fans" with airflow rate above 200 cfm; also provides footnote with means of determining efficacy for balanced ventilation systems, HRVs, and ERVs

Changes mechanical ventilation system testing stipulation from manufacturer's instructions or code listed options to instead be in accordance with ANSI/RESNET/ICC 380; revises existing testing exception and adds two exceptions

Adds mechanical ventilation testing unit sampling section which, in conjunction with new Section R403.3.7, allows mechanical ventilation system testing sampling for buildings with eight or more dwelling units or sleeping units

New section requires exhaust system controls for bathrooms and toilet rooms when designed for intermittent operation

New section requires detached one- and two-family dwellings and townhouses in Climate Zones 4 through 8 using electric-resistance space heating to limit the total electric resistance heating capacity to not more than 2.0 kW or requires installation of a heat pump in the largest space that is not used as a bedroom
 Adds exception to Systems serving multiple dwelling units section for systems complying with new Section R403.9, which addresses mechanical systems located outside of the building thermal envelope
 New section provides requirements for mechanical systems located outside of the building thermal envelope
 New section provides type and control requirements for systems that provide heat outside of a building
 Renumbered from R403.9
 New section provides control requirements for roof and gutter deicing systems
 New section provides control requirements for freeze protection systems
 Replaces pool pump control exception's use of "solar" with "on-site renewable energy"
 With an exception for gas-fired combustion safety devices, new section requires gas fireplace systems to not be equipped with a continuous pilot, and instead be equipped with an on-demand pilot, intermittent ignition or interrupted ignition
 New section provides vented gas fireplace heater fireplace efficiency (FE) rating and listing and labeling requirements

Related Mods:
 R403.3.1 RED1-285-22, REC2D-8-23
 TABLE R403.3.8 REPI-86-21, RED1-285-22, RED1-309-22
 TABLE R403.3.8 REPI-86-21, RED1-285-22, RED1-309-22
 R403.3.9 REPI-85-21, RED1-285-22, REC2D-8-23
 TABLE R403.5.2 REPI-89-21
 R403.6.4 RED1-365-22, REC2D-8-23
 R403.6.5 RECD1-1-22
 R403.7.1 REPI-99-21, RED1-325-22,
 R403.9 RED1-329-22

Part A Deny / Overlap Graboski / Sanders 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#17 A

Action	AS	AS/IC	D	D/IC
			x	

Part B - Deny / Overlap Cochelle / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#17 B

Action	AS	AS/IC	D	D/IC
			x	

Part C – Deny / Overlap cochelle / Graboski 9 Yes – 0 no

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#17 C

Action	AS	AS/IC	D	D/IC
			X	

Part D - Deny / public comment - conflicts with the code Cochelle / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#17 D

Action	AS	AS/IC	D	D/IC
			x	

R403.9.1 RED1-329-22

R403.9.3 CEPI-82-21 Part II, RED1 107-22, RED1-329-22

R403.9.4 RED1-329-22

R403.10.2 RED1-299-22

R403.13 (New)

R403.13.1 REPI-65-21, RED1-286-22, RED1-287-22

Part E – Deny / Overlap Cochelle / Graboski 9 Yes – 0 No

Part F - Deny / public comment - conflicts with the code Cochelle / Graboski
9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#17 E

Action	AS	AS/IC	D	D/IC
			X	

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#17 F

Action	AS	AS/IC	D	D/IC
			X	

RE#18

Adds "renewable energy to section title
Replaces high efficacy lighting sources language with actual efficacy minimums and adds three exceptions
Revisions include moving connected exterior lighting compliance requirement from Section C405.5 to new Sections R404.1.2 through R404.1.4, specifying applicability is for Group R-2, R-3 and R-4 residential buildings, and adding exception for Group R-3 buildings that do not contain more than two dwelling units
New section adds applicable exterior lighting power requirements from Section C405.5 (as part of moving requirements from commercial provisions)
New section adds applicable exterior lighting power allowance from Section C405.5 including new Table R404.1 used to calculate allowed lighting power for various area types (as part of moving requirements from commercial provisions)
New section provides for additional exterior lighting power allowances for building facades
Renumbered from R404.1.2, renamed from "Fuel gas lighting equipment", revises existing language and adds that gas-fired lighting appliances are not be equipped with a continuous pilot, and instead be equipped with an on-demand pilot, intermittent ignition or interrupted ignition
Revises section language to refer to new Sections R404.2.1 and R404.2.2 and removes three exception locations, leaving an exception for safety or security lighting only
New section requires all permanently installed luminaires in habitable spaces to be controlled with a manual dimmer or automatic shutoff control; also must incorporate a manual control to allow occupants to turn the lights on or off
New section requires all permanently installed luminaires in garages, unfinished basements, laundry rooms and utility rooms to be controlled by an automatic shutoff control; also must incorporate a manual control to allow occupants to turn the lights on or off
Revises Section R404.3 to instead of providing exterior lighting controls requirements in this section which included an exception for lighting serving multiple dwelling units, moves the existing controls requirements to new Section R404.3.1 which specifies applicability to individual dwelling units
New section requires that where renewable energy generation is used to comply with the code, documentation be provided demonstrating that where renewable energy certificates (RECs) or energy attributable certificates (EACs) are associated with that portion of renewable energy used to comply with this code, the RECs or EACs will be retained, or retired, on behalf of the property owner

Related Mods:
 REPI-158-21
 REPI-101-21
 REPI-102-21
 Part I
 REPI 105-21,
 RED1-110-22
 REPI-105-21
 REPI 105-21,
 RED1-110-22,
 REPI-69-21

Deny / Overlap Cochelle / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

Action	AS	AS/IC	D	D/IC
			X	

RE#19

Changes section title from “Total Simulated Building Performance”
Revision clarifies that simulated building performance analysis is limited to dwelling units, and Spaces other than dwelling units in Group R-2, R-3 or R-4 buildings are to comply with Sections R402 through R404
Renamed from “Performance-based compliance”
Revises Table R405.2 requirements for simulated building performance entries: removes Section R402.1.5 Additional Energy Efficiency, requires all of Section R403.5 Service hot water systems instead of previously just R403.5.1 Heated water circulation and temperature maintenance systems and R403.5.3 Drain water heat recovery units subsection; adds R402.1.6 Rooms containing fuel-burning appliances (for Climate Zone 3-8), new R402.2.3 Attic knee wall, R402.2.10 Slab-on grade floors, R402.5.1.3 Maximum air leakage rate, R402.5.2 Fireplaces, R402.5.3 Fenestration air leakage, R402.5.4 Recessed lighting, R402.5.5 Air-sealed electrical and communication outlet boxes, R403.2 Hot water boiler temperature reset, R403.13 Gas fireplaces; also changes crawl space requirement from R402.2.11.1 to R402.2.11; also removes Section R403.3 Duct systems exceptions, also edits for Section number and name changes consistency
Changes item #2 requirement to meet 2009 IECC thermal envelope efficiencies to new thermal conductance (TC) based requirement; also reduces the maximum weighted fenestration SHGC for Performance compliance in Climate Zones 0 through 3 to 0.30
Changes item #3 requirement that the annual energy cost be less than or equal to that of the standard reference design to separate requirements for dwelling units that use fuel-burning appliances for space heating, water heating, or both vs. for all other dwelling units, with annual energy cost limits being 80 percent and 85 percent of that of the standard reference design, respectively; also, for each dwelling unit with greater than 5,000 square feet (465 m²) of living space above grade plane, the annual energy cost of the dwelling unit must be reduced by an additional 5 percent; also adds source energy multipliers for natural gas, propane, fuel oil, and imported liquefied natural gas, and revises source energy multiplier for electricity for energy use based on source energy exception; and adds new exception for energy use based on site energy
Renamed from “Documentation” and revises language, separating requirements into application and certificate of occupancy compliance reports (requirement moved up from Section R405.5.4)
Removes section, replacing it with revised language in Section R405.4.1
Revises, reorganizes, and clarifies existing sections, including stipulating revised R405.5 software tools approval section which includes new Section R405.5.2 requirement that software vendors test software in accordance with ANSI/ASHRAE 140 Class II, Tier 1 test procedures and publish results; also moves Input values section from R405.5.3 to R405.4.3
Revises Standard Reference Design solar absorptance specification to solar reflectance without changing stringency
Revises Standard Reference Design solar absorptance specification to solar reflectance without changing stringency
Revises Standard Reference Design foundation specification, removing “area” and adding “foundation wall or slab perimeter length”
Adds that foundation wall Standard Reference Design U-factor and slab F-factor be as specified in Table R402.1.2
Changes building component section title from “Air exchange rate” and revises Climate Zone 0 – 2 Standard Reference Design air leakage rate from 5.0 ACH50 to 4.0 ACH50 (applies to detached one-family dwellings > 1,500 sq. ft.); also changes Proposed Design entry from “The measured air exchange rate” to “The measured air leakage rate”
Adds separate Standard Reference Design air leakage rate of 0.27 cfm/ft² of the testing unit enclosure area at a pressure of 0.2 inch water gauge (50 Pa) for detached one-family dwellings that are 1,500 ft² or smaller and attached dwelling units or sleeping units
Removes “Where required by the code official, testing shall be conducted by an approved party” from footnote “a”, but per the proponent, just due to redundancy, as this language is still included in Section R402.5.1.2 Air leakage testing
Breaks out Table R405.4.2(1) 2021 IECC “Mechanical ventilation” section into “Mechanical ventilation rate” and “Mechanical ventilation fan energy” sections
Replaces Standard Reference Design annual vent fan energy use equation with specification that the mechanical ventilation rate be in addition to the air leakage rate and the same as in the proposed design, but not greater than a provided new equation based limit
Changes Proposed Design specification from “As proposed” to the measured mechanical ventilation rate (calculated according to specified ASHRAE Handbook of Fundamentals sections), and specifies it be in addition to the measured air leakage rate
New section clarifies that the Standard Reference Design mechanical ventilation system type be the same as in the proposed design; also adds that heat recovery or energy recovery be modeled for mechanical ventilation where required by R403.6.1 [Climate Zones 6-8] and not be modeled where not required by R403.6.1 [includes Florida]; also modifies annual vent fan energy use equation; also specifies that the Proposed Design fan energy use is “As proposed”
Adds “thermal” to “building envelope” for Proposed Design specification
For Standard Reference Design, removes “for other than electric heating without a heat pump: as Proposed” and “where the proposed design utilizes electric heating without a heat pump, the standard reference design shall be an air source heat pump meeting the requirements of Section C403 of the IECC—Commercial Provisions”

Also removes “Capacity: sized in accordance with Section R403.7” and replaces with “Fuel Type/Capacity: Same as proposed design”

Adds “Product class: Same as proposed design”

2021 IECC’s Standard Reference Design specifies “for other than electric heating without a heat pump: [efficiency] as Proposed” and “where the proposed design utilizes electric heating without a heat pump, the standard reference design shall be an air source heat pump meeting the requirements of Section C403 of the IECC—Commercial Provisions” vs. 2024 IECC specification that efficiency comply with 10 CFR §430.32 for heat pump, fuel gas and liquid fuel furnace, and fuel gas and liquid fuel boiler (making the 2024 IECC more like the FBC-EC, which allows equipment trade-offs)

Also new footnote “j” stipulates a split system heat pump complying

2021 IECC’s Standard Reference Design specifies “for other than electric heating without a heat pump: [efficiency] as Proposed” and “where the proposed design utilizes electric heating without a heat pump, the standard reference design shall be an air source heat pump meeting the requirements of Section C403 of the IECC—Commercial Provisions” vs. 2024 IECC specification that efficiency comply with 10 CFR §430.32 for heat pump, fuel gas and liquid fuel furnace, and fuel gas and liquid fuel boiler (making the 2024 IECC more like the FBC-EC, which allows equipment trade-offs)

Also new footnote “j” stipulates a split system heat pump complying

with 10 CFR §430.32 (2021) for the Standard Reference Design if the Proposed Design has electric resistance heat

2024 IECC footnote “k” adds that for heating systems, cooling systems, or water heating systems not included in Table R405.4.2(1), the Standard Reference Design be the same as proposed design

Changes Standard Reference Design fuel type from “as proposed” to electric, capacity from “sized in accordance with Section R403.7” to “Same as proposed design”, and adds Standard Reference Design specification that efficiencies comply with 10 CFR §430.32 (making the 2024 IECC more like the FBC-EC, which allows equipment trade-offs)

Replaces “As proposed” specification for Standard Reference Design with:

- Fuel Type: Same as proposed design
- Rated Storage Volume: Same as proposed design
- Draw Pattern: Same as proposed design
- Efficiencies: Uniform Energy Factor complying with 10

CFR §430.32 (making the 2024 IECC more like the FBC-EC, which allows equipment trade-offs)

- Tank Temperature: 120oF (48.9oC)

For Proposed Design, adds “As proposed” specification for Fuel Type, Rated Storage Volume, Draw Pattern, Efficiencies, and Tank Temperature

Removes Standard Reference and Proposed Design language from this footnote regarding nonstorage type water heaters (now addressed in the table itself)

2024 IECC footnote “g” also revises assumptions for the Standard Reference and Proposed Designs for proposed designs without a water heater, but draft language unclear

Footnote “g” changes also add Standard Reference Design specifications for proposed designs with heat pump water heaters; 40 gallon storage volume specification would mean that the Standard Reference Design uses a much less efficient water heater in cases where the Proposed Design’s volume is over 55 gallons

IECC continues to require R8 ducts for the Standard Reference Design for most cases where ducts are outside of conditioned space, and specifies duct insulation as being “as proposed” for the Proposed Design, with a 2024 IECC footnote “m” added for the Proposed Design specifying that sections of ductwork installed in accordance with Section R403.3.5.1 (deeply buried) are assumed to have an effective duct insulation R-value of R-25.

2024 IECC moved from applying a distribution system efficiency (DSE) of 0.88 to the Standard Reference Design heating and cooling system efficiencies for non-tested ducted systems and specifying 4 cfm per 100 sq. ft. for tested duct systems, to specifying 4 cfm per 100 sq. ft. of conditioned floor area for duct systems serving > 1,000 sq. ft. and 40 cfm of leakage to outside for duct systems serving ≤ 1,000 sq. ft. of conditioned floor area

2024 IECC also moved from specifying the Standard Reference Design duct location as being same as the proposed design to location based on foundation type and number of stories

2024 IECC Proposed Design duct location “as proposed” is same as 2021 IECC Proposed Design duct location, but adds footnote “l” which states that only sections of ductwork that are installed in accordance with Section R403.3.4, Items 1 and 2 are assumed to be located completely inside conditioned space; all other sections of ductwork are not assumed to be located completely inside conditioned space

2024 IECC Proposed Design thermal distribution system efficiency was changed from “as tested” for tested duct systems to the measured total duct system

leakage rate being entered as the duct system leakage to outside rate, with exceptions allowing outside leakage to instead be entered where leakage is tested in accordance with ANSI/RESNET/ICC 380 or ASTM E1554, or where total duct system leakage is measured without space conditioning equipment installed, entry is 4 cfm per 100 sq. ft. of conditioned floor area

Changed the Standard Reference Design distribution system efficiency (DSE) for ductless systems from 1.0 to 0.88, and made the DSE for the Proposed Design for ductless systems as specified in Table R405.4.2(2), with changes to the table

Modifies footnote "a" which clarifies that default values in the table are for untested distribution systems, which must still "comply with Section R403", instead of 2021 IECC: must still "meet minimum requirements for duct system insulation"

Revises footnote "c", removing "including the air handler unit" from: "Entire system in conditioned space shall means that no component of the distribution system, including the air-handler unit, is located outside of the conditioned space"

Replaces "manufacturer's air-handler enclosure" with "space conditioning equipment"

Renumbered from R405.5.3

Rewords section, incorporating "permitted to be approved" language from deleted Section R405.5.2

Revises and updates section language including adding "approved software tools"

As also noted above in Section R405.4 discussion, new section requires that prior to approval, software tools be tested by the software vendor in accordance with ANSI/ASHRAE 140 Class II, Tier 1 test procedures

New section specifies that algorithms not tested in accordance with Section R405.5.2 be permitted in accordance with ANSI/RESNET/ICC 301

Renumbered from R405.3.2, title changed from "Compliance report", removes compliance report language which was moved to Section R405.3, and adds "approved" – "Approved software tools shall generate..."

Renumbered from R405.3.2.1, and minor language revisions

Renumbered from R405.3.2.2, and minor language revisions

Related Mods:
 CEPI-24-21 Part II
 RED1-35-22, RED1-249-22
 CEPI-24-21 Part II,
 REPI-118-21, REPI-121-21,
 REPI-18-21, REPI-33-21,
 REPI-117-21, RED1-35-22,
 RED1-43-22, RED1-185-22,
 RED1-186-22, RED1-249-22,
 RE2D-24-23

TABLE R405.4.2(1)
 RECP1-2-21, REPI-63-21,
 REPI-64-21, REPI-68-21, REPI-78-21, REPI-86-21,
 REPI-122-21, REPI-124-21,
 RECD1-12-22, RED1-185-22,
 RED1-186-22, RED1-

Part A – Deny / Overlap Graboski / Cochelle 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#19 A

Action	AS	AS/IC	D	D/IC
			X	

Part B – Deny / public comment / conflicts with the code Graboski / Cochelle
 9 Yes 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#19 B

Action	AS	AS/IC	D	D/IC
			X	

249-22,
 RED1-251-22, RED1-252-22,
 RED1-285-22, RED1-336-22,
 RED1-337-22, RED1-339-22,
 RED1-340-22,
 REC2D-4-23,
 REC2D-8-23

TABLE R405.4.2(2)
 REPI-86-21, REPI-122-21, RED1-285-22

RECD1-8-22, RE2D-28-23

Part C - Deny / Overlap Graboski / Cochelle 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#19 C

Action	AS	AS/IC	D	D/IC
			x	

RE#20

Revision clarifies Energy Rating Index analysis is limited to dwelling units, and Spaces other than dwelling units in Group R-2, R-3 or R-4 buildings are to comply with Sections R402 through R404

Several revisions including adding that the “as-built dwelling unit” also meet the listed requirements

Revises Table R406.2 requirements for simulated building performance entries: removes Section R402.1.5 Additional Energy Efficiency, requires all of Section R403.5 Service hot water systems instead of previously just R403.5.1 Heated water circulation and temperature maintenance systems and R403.5.3 Drain water heat recovery units subsection; adds R402.1.6 Rooms containing fuel-burning appliances (for Climate Zone 3-8), R402.2.10 Slab-on grade floors, R402.5.1.3 Maximum air leakage rate, R402.5.2 Fireplaces, R402.5.3 Fenestration air leakage, R402.5.4 Recessed lighting, R402.5.5 Air-sealed electrical and communication outlet boxes, R406.3 Building thermal envelope, R403.2 Hot water boiler temperature reset, R403.13 Gas fireplaces; also changes crawl space requirement from R402.2.11.1 to R402.2.11; also removes Section R403.3 Duct systems exceptions, also edits for Section number and name changes consistency

Revises R406.3 and removes R406.3.1 and R406.3.2, changing from an on-site renewables vs. no on-site renewables based thermal envelope requirements to new thermal conductance (TC) based requirement; also reduces the maximum weighted fenestration SHGC for Performance compliance in Climate Zones 0 through 3 to 0.30

Revises section, adding that “the mechanical ventilation rates used for the purpose of determining the ERI shall not be construed to establish minimum ventilation requirements for compliance with this code” and removing “except for buildings covered by the International Residential Code, the ERI reference design ventilation rate shall be in accordance with Equation 4-2” (also removing Equation 4-2); also removes limit on energy use reduction from on-site renewable energy

Makes several minor edits and breaks out maximum ERI by whether onsite renewables are installed or not, providing new maximum ERI values for projects that use onsite renewable power, and reducing the maximum ERI values slightly for projects that do not use on-site renewable power

Also provides two new exceptions, one of which, where approved by the code official, permits an Average Dwelling Unit Energy Rating Index calculated in accordance with ANSI/RESNET/ICC 301 to be used for buildings with 20 or more dwelling units

General changes to the ERI Documentation section and its subsections include clarification edits and section updates

R406.7.1 Compliance software tools section changes include a new requirement for software vendors to publish documentation that the software has been validated using the Class II, Tier 1 test procedure in ANSI/ASHRAE 140

R406.7.3 Renewable energy certificate (REC) documentation section changes “on-site renewable energy” to “renewable energy power production”, and removes its previous two documentation options, instead requiring documentation compliance with new Section R404.4

For compliance item #6, “low slope” is added to “the exterior low slope roof surface” compliance requirement, and instead of referencing compliance options in Table C402.3, adds Table R407.2 which provides the compliance options

Related Mods:
 REPI-126-21, RED1-65-22, REPI-7-21, REPI-21-21, REPI-68-21, REPI-86-21, REPI-89-21, REPI-90-21, REPI-99-21, REPI-115-21, REPI-120-21, REPI-126-21, RED1-185-22, RED1-224-22 Part I, RED1-250-22, RED1-286-22, REPI-33-21, RED1-186-22, RED1-208-22

Deny / Overlap Graboski / Cochelle 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Overlap
			X

Action	AS	AS/IC	D	D/IC
			X	

RE#21 For compliance item #6, "low slope" is added to "the exterior low slope roof surface" compliance requirement, and instead of referencing compliance options in Table C402.3, adds Table R407.2 which provides the compliance options

Related Mods:
REPI-68-22,
REPI-70-21,
RED1-253-22,
RE2D-32-23

TABLE R407.2
RED1-253-22,
RE2D-31-23,
RE2D-33-23

Deny / Overlap Graboski / Cochelle 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

Action	AS	AS/IC	D	D/IC
			X	

RE#22

Changes section title from Additional Efficiency Package Options
Scope is modified to reflect additional efficiency requirement changes
Changes section title from Additional efficiency package options and details revised additional energy efficiency requirements which are specified in new Table R408.2
Changes section title from Enhanced envelope performance option, revises section, and adds four new subsections that provide specifications for enhanced building thermal envelope options, including enhanced building thermal envelope performance, improved fenestration, roof solar reflectance index, and reduced air leakage
Revises section and provides revised and expanded listing of more efficient HVAC options applicable to all Climate Zones, and also by grouped Climate Zones, and specifically for Climate Zone 4
Deletes existing language and hot water system efficiency options, and replaces with expanded table of options; also provides specifications for a compact hot water distribution system option
Changes section title from More efficient duct thermal distribution system option, revises existing options, and provides new ductwork located outside conditioned space option
Revises section, providing expanded list of improved air sealing and efficient ventilation system options, plus revised minimum performance requirements for measures requiring either an ERV or HRV
New additional energy efficiency credit compliance option provides table of efficient appliance options and related requirements
New additional energy efficiency credit compliance option specifies on-site renewable energy production and renewable energy certificate (REC) documentation requirements
New additional energy efficiency credit compliance option specifies thermostat demand responsive control requirements, including those for single-stage HVAC systems and variable-capacity and two-stage HVAC system
New additional energy efficiency credit compliance option specifies that for buildings in Climate Zones 4 and 5, the maximum U-factor of 0.060 is permitted for wood-framed walls for compliance with Table R402.1.2 where complying with one or more of four provided options
New additional energy efficiency credit compliance option specifies lighting controls capable of turning off all permanently installed interior lighting; includes two exceptions
New additional energy efficiency credit compliance option specifies requirements for higher efficacy hardwired lighting; includes two exceptions

Related Mods:
REPI-18-21, RED1-54-22,
RED1-71-22, RED1-73-22,
RED1-166-22, REPI-136-21,
RED1-76-22,
RED1-79-22
RED1-254-22,
RED1-255-22, RED1-263-22,
RED1-285-22, RED1-343-22,
RED1-351-22, RE2D-37-23,
RE2D-38-23, RE2D-42-23,

Deny / Overlap Sanders / Cochelle 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

Action	AS	AS/IC	D	D/IC
			X	

RE2D-59-23, RE2D-66-23,
RE2D-67-23,
REPI-33-21, RED1-185-22,

RE#23

Moves additional non-energy code compliance requirements from Section R501.4 which has same title to this section
Renumbered from R501.5
Renumbered from R501.6
New section (largely moved from 2021 IECC Section R502.2) requires that any unconditioned or low-energy space that is altered to become conditioned space be brought into full compliance with Section R502 (Additions), with Section R405 exception

Related Mods:
RED1-264-22,
REPI 143-21,
RED1-264-22,

Part A - Deny / Overlap Cochelle i / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#23 A

Action	AS	AS/IC	D	D/IC
			X	

Part B Deny / Public comment – consistency with previous action Cochelle / Graboski
9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#23 B

Action	AS	AS/IC	D	D/IC
			X	

RE#24

Revises (Additions) General section, with removed language largely provided or implied elsewhere in Chapter 5
 Removed and largely rewritten in Section R501.6
 Renumbered from R502.3 and adds new Section R502.2.5 (Additional energy efficiency credit requirements for additions) to listing of sections with which additions must comply
 Renumbered from R502.3.1, and “building envelope” changed to “building thermal envelope” in title and text
 Renumbered from R502.3.2, “ducts” changed to “ductwork”, and clarification added that testing is not required for the exception
 Renumbered from R502.3.3
 Renumbered from R502.3.4
 New section requires additions to, with three exceptions (including for Performance and ERI compliance), achieve not less than five additional energy efficiency credits

Related Mods:
 RED1-264-22
 RED1-263-22
 REPI-143-21,
 REPI 144-21,
 REPI-145-21,
 RED1-285-22,
 CEPI-24-21 Part II,

Deny / Overlap – Parks / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Overlap
			X

Action	AS	AS/IC	D	D/IC
			X	

RE#25

Revises Building thermal envelope section and adds five new subsections to provide more detailed requirements for building thermal envelope alterations; adds requirement for new building thermal envelope assemblies that are part of an alteration to comply with Section R402; also revises exceptions

For fenestration, Section R503.1.1.1 is renamed from Replacement fenestration and revised to add a requirements for new fenestration area added to an existing building to comply with Section R402.4

New Section R503.1.1.2 requires roof, ceiling, and attic alteration insulation to comply with Section R402.1, with approved alternative

Revises Building thermal envelope section and adds five new subsections to provide more detailed requirements for building thermal envelope alterations; adds requirement for new building thermal envelope assemblies that are part of an alteration to comply with Section R402; also revises exceptions

For fenestration, Section R503.1.1.1 is renamed from Replacement fenestration and revised to add a requirements for new fenestration area added to an existing building to comply with Section R402.4

New Section R503.1.1.2 requires roof, ceiling, and attic alteration insulation to comply with Section R402.1, with approved alternative design allowance for certain listed alterations where conditions prevent compliance with R402.1

New Section R503.1.1.3 specifies requirements for above-grade wall alterations, with separate requirements for exposed wall cavities, added exterior wall coverings, or for new interior finishes or exterior wall coverings

New Section R503.1.1.4 provides requirements for when floor cavities or overhangs are exposed

New Section R503.1.1.5 provides requirements for where an unconditioned below-grade space is changed to conditioned space, and for alterations to building thermal envelope walls of conditioned below-grade space

New Section R503.1.1.6 provides air barrier requirements for altered building envelope assemblies

Revises Heating and cooling systems alterations section and adds four new subsections to provide more detailed requirements for new and existing heating and cooling systems and ductwork that are part of an alteration

New Section R503.1.2.1 provides requirements for HVAC ductwork newly installed as part of an alteration

New Section R503.1.2.2 provides sizing requirements for new heating and cooling equipment that is part of an alteration

For certain listed duct system alterations, new Section R503.1.2.3 requires duct system testing and total leakage limit

New Section R503.1.2.4 provides controls requirements for new heating and cooling equipment that is part of an alteration

New section requires that with three exceptions (including for Performance and ERI compliance), substantial achieve not less than three additional energy efficiency credits

Related Mods:

RED1-185-22,
RED1 260-22,
RED1-268-22,
RED1-263-22,
RED1-277-22,
RED1 285-22,
REPI-144-21
REPI-145-21,
REPI-150-21,
REPI-151-21,
RECD1-10-22
REC2D-10-23

Part A Deny / Public comment – conflicts with code Parks / Cochelle

9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#25 A

Action	AS	AS/IC	D	D/IC
			X	

Part B Deny / Overlap - Cochelle / Graboski 9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
			X

RE#25 B

Action	AS	AS/IC	D	D/IC
			X	

Part C – Deny / basedon public comment conflicts with code Parks / Cochelle

9 Yes – 0 No

Staff Classification	Correlates Directly	Energy Standard Needed	Over lap
	X		

RE#25 C

Action	AS	AS/IC	D	D/IC
			v	

RE#26

Changes “code” to “chapter” to clarify section to state that any space that is converted to a dwelling unit or portion thereof from another use or occupancy must comply with this chapter (instead of “code”); also in exception, changes “simulated performance option” to “simulated building performance option”

Related Mods: RED1-264-22, CEPI-24-21 Part II	Part B Deny / Overlap - Parks / Graboski 9 Yes – 0 No	<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td></td> <td></td> <td colspan="2">X</td> </tr> </table>				Staff Classification	Correlates Directly	Energy Standard Needed	Over lap					X	
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Action	AS	AS/IC	D	D/IC											
			X												

RE#27

Related Mods: ADM52-22, REPI-13-21, REPI-42-21, REPI-43-21, REPI-68-21, REPI-70-21, REPI-90-21 REPI-95-21, REPI-121-21, REPI-122-21 RED1-315-22, RED1-65-22, RED1-7-22 RED1-286-22, RECD1-2-22, REC2D-3-23, RECPI-11-21, RECPI-6-21, RECPI-7-21, CE2D-78-23 Part II,	Approve As Submitted / based on public comment / standards update Luksik / Cochelle 9 yes 0 No	<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td colspan="2"></td> </tr> </table>				Staff Classification	Correlates Directly	Energy Standard Needed	Over lap			X			
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Action	AS	AS/IC	D	D/IC											
	X														

RE#28

Related Mods: ADM43-19 Part IV	Deny / consistent with previous action Luksik / Graboski 9 Yes- 0 No	<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td colspan="2"></td> </tr> </table>				Staff Classification	Correlates Directly	Energy Standard Needed	Over lap			X			
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Action	AS	AS/IC	D	D/IC											
			X												

RE#29

Extensively revises appendix which provides requirements for zero energy residential buildings based on Energy Rating Index; revisions include changes to appendix title, new definitions section, revised calculations, and decreased maximum Energy Rating Index values not including renewable energy

Related Mods: REPI-154-21, REPI-153-21, REPI-158-21, REPI 160-21, REPI 161-21, RECPI 11-21, RED1-1-22	Part A Deny / Overlap - Cochelle / Graboski 9 Yes – 0 No	<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td></td> <td></td> <td colspan="2">X</td> </tr> </table>				Staff Classification	Correlates Directly	Energy Standard Needed	Over lap					X	
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			X												
		<p style="text-align: center;">RE#29 B</p> <table border="1"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>				Action	AS	AS/IC	D	D/IC				X	
Action	AS	AS/IC	D	D/IC											
			X												
Part B Deny / Overlap - Cochelle / Graboski 9 Yes – 0 No															

RE#30	New appendix provides electric energy storage readiness provision requirements, with applicability for new construction with solar-ready measures or on-site PV system requirements																			
Related Mods: REPI-33-21	Deny / Public comment / outside scope of energy Code Morgan / Graboski 9 yes – 0 No	<table border="1"> <thead> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th>Over lap</th> </tr> </thead> <tbody> <tr> <td></td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </tbody> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap		X			Action	AS	AS/IC	D	D/IC				X	
Staff Classification	Correlates Directly	Energy Standard Needed	Over lap																	
	X																			
Action	AS	AS/IC	D	D/IC																
			X																	
RE#31	New appendix provides electric vehicle charging infrastructure requirements for adopting jurisdictions																			
Related Mods: REPI-33-21, RED1-145-22, RED1-154-22, RED1-157-22, RE2D-20-23,	Part B Deny / Overlap - Morgan / Sanders 9 Yes – 0 No	<table border="1"> <thead> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th>Over lap</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </tbody> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap				X	Action	AS	AS/IC	D	D/IC				X	
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RE#32	New resource provides code compliance pathways for residential buildings intended to result in all-electric buildings (not permit combustion equipment in buildings), with application for adopting jurisdictions or individual projects																			
Related Mods: REPI-155-21, IRCEAPP-01-24,	Deny / conflicts with FS 366 and desciiminates against prroducts Morgan / Sanders 9 Yes – 0 No	<table border="1"> <thead> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th>Over lap</th> </tr> </thead> <tbody> <tr> <td></td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </tbody> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap		X			Action	AS	AS/IC	D	D/IC				X	
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RE#33	New appendix provides expanded R-value options for compliance with Section R402.1.2 U-factor criteria and supplements the selection of insulation conditions addressed in the Table R402.1.3 R-value approach																			

<p>Related Mods: REPI-165-21, RED1-261-22, REC2D-1-23</p>	<p>Deny / based on public comment on detail report / Sanders / Cochelle 9 Yes – 0 No</p>	<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td colspan="2"></td> </tr> </table> <table border="1"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap			X				Action	AS	AS/IC	D	D/IC				X	
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<p>RE#34 New appendix provides requirements to achieve lower residential building energy consumption than adoption of the residential code provisions would otherwise provide</p>																						
<p>Related Mods: RED1-27-22</p>	<p>Deny / public comment / exceeds minimal standards of the code Sanders / Graboski 8 Yes – 1 No</p>	<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td colspan="2"></td> </tr> </table> <table border="1"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap			X				Action	AS	AS/IC	D	D/IC				X	
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<p>RE#35 New appendix provides means to evaluate the greenhouse gas performance of a building according to ANSI/RESNET/ICC 301</p>																						
<p>Related Mods: RED1-28-22</p>	<p>Deny / Outside scope of Florida Energy Code Sanders / Cochelle 9 Yes – 0 No</p>	<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td colspan="2"></td> </tr> </table> <table border="1"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap			X				Action	AS	AS/IC	D	D/IC				X	
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<p>RE#36 New appendix provides requirements for prescriptive solar PV where required at the time of construction</p>																						
<p>RE#34 Related Mods: RED1-91-22</p>	<p>Deny / Outside scope of Florida Building Code and conflicts with electrical code Wojcieszak / Graboski 9 Yes – 0 No</p> <p>Need consistency with definitions throughout the entire code. Will be more costly over lifetime with no benefit.</p>	<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td colspan="2"></td> </tr> </table> <table border="1"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap			X				Action	AS	AS/IC	D	D/IC				X	
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<p>RE#37 New appendix provides requirements for demand responsive controls integration for water heaters</p>																						

<p>Related Mods: REPI-90-21, RED1-315-22</p>	<p>Deny / based on public comment and excessive costs with no benefits. Wojciezack/ cochelle 9 Yes – 0 No</p>	<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td colspan="2"></td> </tr> </table> <table border="1"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap			X				Action	AS	AS/IC	D	D/IC				X	
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<p>RE#38 New appendix provides electric readiness provisions for water heaters, household clothes dryers and cooking appliances</p>																						
<p>Related Mods: REPI-33-21, RECD1-12-22, RED1-116-22,</p>	<p>Deny / public comment discrimination of products/ Wojcieszak / Cochelle 9 Yes – 0 No</p>	<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td colspan="2"></td> </tr> </table> <table border="1"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap			X				Action	AS	AS/IC	D	D/IC				X	
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<p>RE#39 New appendix provides requirements for building renewable energy infrastructure readiness</p>																						
<p>Related Mods: REPI-33-21, RECD1-4-22, RED1-137-22</p>	<p>Deny / Too costly and not practical discriminates against products Wojciezsak / Cochelle 9 Yes – 0 No</p>	<table border="1"> <tr> <th>Staff Classification</th> <th>Correlates Directly</th> <th>Energy Standard Needed</th> <th colspan="2">Over lap</th> </tr> <tr> <td></td> <td>X</td> <td></td> <td colspan="2"></td> </tr> </table> <table border="1"> <tr> <th>Action</th> <th>AS</th> <th>AS/IC</th> <th>D</th> <th>D/IC</th> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> </table>	Staff Classification	Correlates Directly	Energy Standard Needed	Over lap			X				Action	AS	AS/IC	D	D/IC				X	
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