R F C 2D -9-23

IECC RE: R 402.2.9, R 402.2.9.1, TABLE R 405.2, TABLE R 406.2

Proponents:

Gayathri Vijayakumar, representing Steven Winter Associates (gayathri@swinter.com)

2024 International Energy Code [RE] [RE Project] R3

Revise as follows:

R 402.2.9 Basement walls.

Basement walls shall be insulaee

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h402.1.3 and applicable provisions of Sections R 402.2 and R 402.2.8.

- 2. There are no uninsulated ductwork, domestic hot water piping, or hydronic heating surfaces exposed to the k
- 3. There are no HVAC supply or return diffusers serving the basement
- 4.

applicable provisions of Section R 402.2, and weatherstripped in accordance with Section R 402.5.

6. The building thermal envelope separating the basement from adjacent conditioned spaces complies with Sec-

02.2.9.1 Basement wall insulation installation.

e *basement walls* are insulated, the insulation shall be installed from the top of the *basement wall* down to 10 feet grade or to the basement floor, whichever is less, or in accordance with the *proposed design* or the *rated design*,

ER 405.2 REQUIREMENTS FOR SIMULATED BUILDING PERFORMANCE

SECTION^a TITLE

	General
1.3	Certificate
	Building Thermal Envelope
2.1.1	Vapor retarder
2.1.6	Rooms containing fuel burning appliances
2.2.3	A ttic knee wall
2.2.4	Eave baffle

R 402.2.5.1	Access hatches and door insulation installation and retention
R 402.2.9.1	Basement wall insulation installation
R 402.2.10	Slab-on-grade floors
R 402.2.11	Crawl space wall insulation <u>walls</u>
R 402.5.1.1	Installation
R 402.5.1.2	Air leakage testing
R 402.5.1.3	Maximum air leakage rate
R 402.5.2	Fireplaces
R 402.5.3	Fenestration air leakage
R 402.5.4	Recessed lighting
R 402.5.5	Air-sealed electrical and communication outletboxes
R 402.6	Maximum fenestration $\emph{\textbf{U}}$ -factor and SHGC
Mechanical	
R 403.1	Controls
R 403.2	Hot water boiler temperature reset
R 403.3	Ductsystems
R 403.4	Mechanical system piping insulation
R 403.5	Service hot water systems
R 403.6	Mechanical ventilation
R 403.7, exceptSection R 403.7.1	Equipmentsizing and efficiency rating
R 403.8	Systems serving multiple dwelling units
R 403.9.2	Snow meltand ice system controls
R 403.10	Energy consumption of pools and spas
R 403.11	Portable spas
R 403.12	Residential pools and permanentresidential spas
R 403.13	Gas fireplaces
Electrical Power and Lighting Systems	
R 404.1	Lighting equipment
R 404.2	Interior lighting controls
R 404.5	E lectric readiness
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R 404.6	Renewable energy infrastructure
R 404.7	Electric Vehicle power transfer infrastructure

a. Reference to a code section includes all the relative subsections except as indicated in the table.

TABLE R 406.2 REQUIREMENTS FOR ENERGY RATING INDEX

SECTION ^a	TITLE			
General				
R 401.3	C ertifica te			
Building Thermal Envelope				
R 402.1.1	Vapor re tarder			
R 402.1.6	Rooms containing fuel burning appliances			
<u>R 402.2.3</u>	<u>A ttic knee wall</u>			
R 402.2.4	Eave baffle			
R 402.2.5.1	Access hatches and door insulation installation and retention			
<u>R 402.2.9.1</u>	Basement wall insulation installation			
R 402.2.10	Slab-on-grade floors			
R 402.2.11	Crawl space wall insulation walls			
R 402.5.1.1	Installation			
R 402.5.1.2	Air leakage testing			
R 402.5.1.3	Maximum air leakage rate			
R 402.5.2	Fireplaces			
R 402.5.3	Fenestration air leakage			
R 402.5.4	Recessed lighting			
R 402.5.5	Air-sealed electrical and communication outletboxes			
R 406.3	Building thermal envelope			
Mechanical				
R 403.1	Controls			
R 403.2	Hot water boiler temperature reset			
R 403.3	Ductsystems			
R 403.4	Mechanical system piping insulation			

R 403.5	Service hot water systems
R 403.6	Mechanical ventilation
R 403.7, except Section R 403.7.1	Equipmentsizing and efficiency rating
R 403.8	Systems serving multiple dwelling units
R 403.9.2	Snow meltand ice system controls
R 403.10	Energy consumption of pools and spas
R 403.11	Portable spas
R 403.12	Residential pools and permanentresidential spas
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Electrical Power and Lighting Systems	
R 404.1	Lighting equipment
R 404.2	Interior lighting controls
R 404.5	E lectric readiness
R 404.6	Renewable energy infrastructure
R 404.7	Electric Vehicle power transfer infrastructure

a. Reference to a code section includes all of the relative subsections except as indicated in the table.

Reason:

R 402.2.9.1 was modified in the last round of voting (RED1-217). The reason statement said: "The proposal clarifies the relationship between the prescriptive path and both performance paths. The performance paths are intended to provide design flexibility in achieving target energy performance. Only installation provisions should be listed in this table because the amount of insulation should be tradable. The insulation height on basement walls should be tradable as well."However, this sub-section is no longer listed in Table R 405.2 or of ger listed