

**Residential Data Collection Checklist
2012 International Energy Conservation Code
Climate Zone 4 Except Marine**

Building ID: _____ Date: _____ Name of Evaluator(s): _____

Building Contact: Name: _____ Phone: _____ Email: _____

Building Name & Address: _____

Subdivision: _____ Lot# _____ Conditioned Floor Area: _____ ft²

State: _____ County: _____ Jurisdiction: _____

Compliance Approach (check all that apply): Prescriptive Trade-Off Performance

Compliance Software Used: _____ Green Building/Above-Code Program _____

Building Type: 1-and 2-Family, Detached: Single Family Modular Townhouse

Multifamily: Apartment Condominium

Project Type: New Building Existing Building Addition Existing Building Renovation

IECC Section#	Pre-Inspection/ Plan Review	Code Value	Verified Value	Complies				Comments/Assumptions
				Y	N	N/O	N/A	
103.2	Construction drawings and documentation available. Documentatation sufficiently demonstrates energy code compliance.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.6	HVAC loads calculations: Heating system size (s): Cooling system size(s):		kBtu____ kBtu____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Additional Comments/Assumptions: _____

General building information only required if different than above

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Date: _____ Name of Evaluator(s): _____

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Building Contact: Name: _____ Phone: _____ Email: _____

Compliance Approach (check all that apply): Prescriptive Trade-Off Performance

Compliance Software Used: _____ Green Building /Above-Code Program: _____

IECC Section#	Foundation Inspection	Code Value	Verified Value	Complies				Comments/Assumptions
				Y	N	N/O	N/A	
402.1.1	Slab edge insulation R-value.	Unheated: R-10 Heated: R-15	R-_____ <input type="checkbox"/> Unheated <input type="checkbox"/> Heated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
303.2 402.2.9	Slab edge insulation installed per manufacturer's instructions.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.2.9	Slab edge insulation depth/length	2ft.	_____ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.1.1	Basement wall exterior insulation R-value.	Continuous: R-10/13	R-_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.2.8	Basement wall exterior insulation depth.	10 ft. or to basement floor	_____ft.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.2.10	Crawl space wall insulation R-value.	Continuous: R-10 Cavity: R-13	R-_____ R-_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.2.10	Crawl space continuous vapor retarder installed with joints overlapped by 6 inches and sealed, and extending at least 6" up the stem wall.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
303.2.1	Exposed foundation insulation protection.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Compliance Software Used: _____ Green Building /Above-Code Program: _____

IECC Section#	Framing / Rough-In Inspection	Code Value	Verified Value	Complies				Comments/Assumptions ¹
				Y	N	N/O	N/A	
402.1.1, 402.3.4	Door U-factor	U-0.35	U-_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.1.1, 402.3.1, 402.3.3, 402.5	Glazing U-factor (area-weighted average). ⁴	U-0.35 (0.48 max) ⁵	U-_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.1.1, 402.3.2, 402.3.3	Glazing SHGC value, including sunrooms (area-weighted average).	N/A	SHGC: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
303.1.3	Glazing labeled for U-factor (or default values used).			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.1.1, 402.3.3, 402.5	Skylight U-factor	U-0.55 (0.75 max) ⁵	U-_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.1.1, 402.3.3	Skylight SHGC value	N/A	SHGC: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
303.1.3	Skylights labeled for U-factor (or default values used).			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.3.5	Sunroom glazing U-factor.	U-0.55	U-_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.3.5	Sunroom skylight U-factor.	U-0.70	U-_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.1.1	Mass wall exterior insulation R-value	R-8	R-_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
303.2	Mass wall exterior insulation installed per manufacturer's instructions			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.2.1	Duct insulation.	Attic Supply: R-8 Other R-6	R-_____ R-_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.2.2	Duct sealing complies with listed sealing methods.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

403.2.2	Duct tightness via rough-in test. If applicable, verification via post-construction test should be marked N/A.	Across System: 4cfm No air Handler: 3cfm	_____cfm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.2.3	Building cavities NOT used for supply or plenums.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.4.4	IC-rated recessed lighting fixtures meet infiltration criteria.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.3	HVAC piping insulation.	R-3	R-_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.4.1	Circulating hot-water system. Readily Accessing Switch			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.3.1	Pipe insulation protection			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.5	Dampers installed on all outdoor intake and exhaust openings.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.5.1	Whole house ventilation system efficacy.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Table R403.5.1
MECHANICAL VENTILATION SYSTEM FAN EFFICACY**

FAN LOCATION	AIR FLOW RATE MINIMUM (CFM)	MINIMUM EFFICACY (CFM/WATT)	AIR FLOW RATE MAXIMUM (CFM)
Range Hoods	Any	2.8 cfm/watt	Any
In-line fan	Any	2.8 cfm/watt	Any
Bathroom, utility room	10	1.4 cfm/watt	<90
Bathroom, utility room	90	2.8 cfm/watt	Any

For SI: 1 cfm=28.3L/min

402.4.3	Glazed fenestration air leakage	0.3 cfm/ft ²	_____cfm/ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.4.3	Swinging door air leakage	0.5 cfm/ft ²	_____cfm/ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Compliance Software Used: _____ Green Building /Above-Code Program: _____

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				Y	N	N/O	N/A	
402.1.1 402.2.6 402.2.7	Floor insulation R-value	Wood: R-19 Steel: See Table 402.2.6	R- _____ <input type="checkbox"/> Wood <input type="checkbox"/> Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
303.2	Floor insulation installed per manufacturer's instructions and in substantial contact with the subfloor			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.1.1 402.2.6 402.2.5	Wall insulation R-value	Wood: R-20 13+5 Mass R-8/13 Steel: See Table 402.2.6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
303.2	Wall insulation installed per manufacturer's instructions.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.1.1	Basement wall interior insulation R-value	Continuous: R-10 Cavity: R-13	R- _____ R- _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
303.2	Basement wall interior insulation installed per manufacturer's instructions.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.2.8	Basement wall interior insulation depth	10ft or to basement floor	_____ ft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.2.12	Sunroom wall insulation R-value.	R-13	R - _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
303.2	Sunroom wall insulation installed per manufacturer's instructions.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.2.12	Sunroom ceiling insulation R-value.	R-19	R - _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
303.2	Sunroom ceiling insulation installed per manufacturer's instructions.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.4 402.4.1.2	Air sealing complies with sealing requirements via blower door test. If applicable, verification via visual inspection should be marked N/A.	ACH 50 ≤ 3	ACH 50 = ____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
303.1	All installed insulation labeled or installed R-value provided.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

<p>402.4 402.4.1</p>	<p>Air sealing of all openings and penetrations via visual inspection:</p> <ul style="list-style-type: none"> • Site-built fenestration • Window/door openings • Utility penetrations • Attic access openings <p>If applicable, verification via blower door should be marked N/A.</p>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>402.4.1.1 402.4.1.2</p>	<p>Air sealing of all envelope joints and seams via visual inspection:</p> <ul style="list-style-type: none"> • Dropped ceiling • Knee walls • Assemblies separating garage • Tubs and showers • Common walls between units • Rim joist junctions <p>If applicable, verification via blower door should be marked N/A.</p>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p>402.4.1.1 402.4.1.2</p>	<p>Air sealing of all other sources of infiltration, including air barrier, via visual inspection. If applicable, verification via blower door should be marked N/A.</p>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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				Y	N	N/O	N/A	
402.1.1 402.2.1 402.2.2 402.2.3	Ceiling insulation R-value	Wood: R-49 Steel Truss Steel Joist: R-49	R- _____ <input type="checkbox"/> Wood <input type="checkbox"/> Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
303.1.1.1 303.2	Ceiling insulation installed per manufacturer's instructions. Blown insulation marked every 300ft ² .			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.2.4	Attic access hatch and door insulation.	R-49	R - _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.2.2	Duct tightness via post-construction test. If applicable verification via rough-in test should be marked N/A.	4 cfm		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.6	Heating and cooling equipment type and capacity as per plans.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
404.1	Lighting - 75% of lamps are high efficacy.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.8	Snow melt controls.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
401.3	Certificate posted.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
402.4.2	Wood burning fireplace - gasketed doors and outdoor air for combustion.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.1.1	Programmable thermostats installed on forced air furnaces.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.1.2	Heat pump thermostats installed on heat pumps.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.4	Circulating service hot water systems have automatic or accessible manual controls.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
404.1.1	Fuel gas lighting shall not have continuously burning pilot.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
403.9	Pool heaters, covers, and automatic or accessible manual controls.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	