

2021 IECC Residential Data Collection Form - Home			Inspector Name:		
Address:		Builder Name:		Date:	
ID	Description	Meets Requirement	Not Applicable	Not Observable	Observation
Home Documentation General					
LOC1	State where home is located				
LOC2	Climate zone where home is located				
LOC3	Does the home fall in the Warm-Humid Zone (question applicable only to zone 3)				Yes No
LOC4	County where home is located				
LOC5	Number of homes builder builds per year				
LOC6	Identification Code for home				
Home Documentation Compliance Method					
Comp1	Energy code to which the home is permitted				
Comp2	Compliance path within the energy code that was used				
Comp5	If applicable, what is the HERS Index or ERI?				
Comp6	Compliance documentation with energy code details (e.g., plans, REScheck report, etc.) was available and reviewed for this home.				Yes No
Comp7	Is the home in an "above-code" program?				Yes No
Comp8	If "yes" to previous question, what is the above-code program?				
Additional Efficiency Package Options					
AE1	Was an additional efficiency package option identified in the construction documents?				
Home Documentation Certificate					
FI7	Compliance certificate posted at Final	Yes No			
Equity Measures					
Equ1	Is the home affordable, market rate, or high end?			Affordable  Market rate  High end	

Advanced Infrastructure and Technology					
EL1	Is the home all electric?			Yes No	
EL2	What type of kitchen range is installed?			Gas  Propane  Electric - induction  Electric - other	
EL3	Does the home have an interior fireplace?			No  Yes - Wood-burning stove  Yes - Biomass (pellet) stove  Yes - Gas stove  Yes - Propane stove	
EL4	Does the home have a heating stove?			No  Yes - Wood-burning  Yes - Gas  Yes - Propane  Yes - Electric "fireplace"	
EV1	Is the home equipped with EV Supply Equipment (EVSE) or an EV Ready space? (See EV Definitions Tab for specifics)			No  Yes - EV ready  Yes - EVSE	

PV1	Is the home equipped with an on-site renewable energy system (e.g. Solar, wind)?			Yes - Solar  Yes - Wind  Yes - Other	
PV2	If so, what is the approximate size of the system (kW)?			kW	
ST1	Is the home equipped with a solar thermal (hot water) system?			Yes No	
ST2	If so, what is the approximate size of the system (kBtu)?			kBtu	
RSL1	Is the home equipped with a backup power system?			No  Yes - Gas  Yes - Propane  Yes - Battery  Yes - Other	
EM1a	Is the home equipped with smart thermostats?			Yes No	
EM1b	Is the home equipped with connected lighting?			Yes No	
EM1c	Is the home equipped with a connected water heater?			Yes No	
EM1d	Is the home equipped with connected HVAC?			Yes No	
EM1e	Is the home equipped with other smart/connected devices or equipment?			Yes No	
Home Documentation Size and Shape					
Geo1	Total conditioned Floor Area for the building				sq. ft.
	What is the volume of the home(for blower door test)?				cu. ft.
Geo2	Number of stories above grade				
Geo3	Number of Bedrooms				
Geo13	Is this home a log home compliant with ICC 400?				Yes No

2018 Residential Data Collection Form - General Comments



2021 IECC Residential Data Collection Form - Envelope

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applic-able	Not Observ-able	Field Observation	Comments/Code Section
Envelope Air Leakage								
FI17	R402.4.1.2	Blower door test results from Project Team test using RESNET Protocol (ACH @ 50 PA)	Final				ACH50	
Geo14	NA	Total conditioned volume for the building (used to calculate ACH50)	Final				cu. ft.	
BD1	NA	Blower door test results from previous 3rd party test by other parties (ACH @ 50 PA) (for comparison only)	Final				ACH50	
AB&I1	R402.4.1.1	Air barrier and thermal barrier per Table R402.4.1.1	Rough/Final	Complies Does not comply				
AB&I2	R402.4.1.1	Ceiling and attic per Table R402.4.1.1	Final	Complies Does not comply				
AB&I3	R402.4.1.1	Walls per Table R402.4.1.1	Rough	Complies Does not comply				
AB&I4	R402.4.1.1	Windows, skylights, and doors per Table R402.4.1.1	Rough	Complies Does not comply				
AB&I5	R402.4.1.1	Rim joists per Table R402.4.1.1	Rough/Final	Complies Does not comply				
AB&I6	R402.4.1.1	Floors (including above-garage and cantilevered floors) per Table R402.4.1.1	Rough	Complies Does not comply				

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Code Section
AB&I7	R402.4.1.1	Crawl space walls per Table R402.4.1.1	Rough/Final	Complies Does not comply				
AB&I8	R402.4.1.1	Shafts and penetrations per Table R402.4.1.1	Rough	Complies Does not comply				
AB&I9	R402.4.1.1	Narrow cavities per Table R402.4.1.1	Rough	Complies Does not comply				
AB&I10	R402.4.1.1	Garage separation per Table R402.4.1.1	Rough/Final	Complies Does not comply				
AB&I11	R402.4.1.1	Recessed lighting per Table R402.4.1.1	Rough/Final	Complies Does not comply				
AB&I12	R402.4.1.1	Plumbing and wiring per Table R402.4.1.1 Note Box to drywall sealing	Rough	Complies Does not comply				
AB&I13	R402.4.1.1	Shower and tub on exterior walls per Table R402.4.1.1	Rough	Complies Does not comply				
AB&I14	R402.4.1.1	Electrical and phone boxes on exterior walls per Table R402.4.1.1	Rough	Complies Does not comply				
AB&I16	R402.4.1.1	HVAC register boots per Table R402.4.1.1	Rough/Final	Complies Does not comply				
AB&I18	R402.4.1.1	Concealed sprinklers per Table R402.4.1.1	Rough	Complies Does not comply				
FP1	R402.4.2	Wood-Burning Fireplaces have tight-fitting dampers and doors	Final	Complies Does not comply				

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Code Section
FP2	R402.4.2	<b>Wood-Burning Fireplaces</b> have outdoor combustion air	Final	Complies Does not comply				
FR20	R402.4.3	<b>Fenestration that is factory built</b> has infiltration rates per NFRC 400 that do not exceed code limits	Framing Rough-In	Complies Does not comply				
FR16	R402.4.5	<b>IC-rated recessed lighting</b> fixtures sealed at housing/interior finish and labeled to indicate ≤2.0 cfm leakage at 75 Pa	Rough/Final	Complies Does not comply				
FI8	R402.4.2	<b>Wood-burning fireplaces</b> have tight fitting flue dampers and outdoor air for combustion	Final	Complies Does not comply				
FBA1	R402.4.4	<b>Rooms containing fuel burning appliances</b> comply with R402.4.4.	Final	Complies Does not comply				
<b>Envelope Ceiling and Attic</b>								
BG15	NA	Is the insulation located on the <b>ceiling or at the rafters</b> ? <b>See Note</b>	Final					Note: Ceiling drywall level with vented attic above. Insulation located at Rafter or at roof sheathing level
CEX1	402.2.1	For <b>ceilings with attic spaces</b> , does the full height of uncompressed insulation extend over the wall top plate of the eaves?	Final				Yes   No	
CEX2	402.2.2	For <b>ceilings without attic spaces</b> , is there room to install more than R-30 insulation in the whole ceiling?	Final				Yes   No	

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CEX3	402.2.2	For ceilings without attic spaces, is the area of the ceiling where there is not room to install more than <b>R-30 insulation limited to 500 square feet</b> or 20% of the insulated ceiling area?	Final				Yes No	
<i>FI1</i>	<i>R402.1.2, R402.2.1, R402.2.2, R402.2.6</i>	<b>Predominant roof/ceiling insulation Total R-value (cavity and continuous insulation)</b>	Final					
M1	NA	What is the <b>attic framing material</b> - wood or steel?	Rough/Final				Wood Steel	
Ceiling1	NA	What is the predominant <b>ceiling rafter (truss) or joist spacing</b> (16 inch, 24 inch, etc.)	Rough/Final					
Ceiling2	NA	What is the predominant ceiling <b>rafter or joist depth</b> (8 inch, 10 inch, etc.)	Rough/Final					
Ceiling3	NA	What is the predominant roof/ceiling insulation type?					<div>Fiberglass batt</div> <div>Blown fiberglass</div> <div>Blown cellulose</div> <div>Spray foam</div> <div>Foam board</div> <div>Other</div>	
IQ1	NA	What is the roof cavity <b>insulation quality?</b> (I,II,III)	Final				Grade I II III	

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Code Section
FI3	R402.2.4	Attic access hatch and door insulation ≥R-value of the adjacent assembly or vertical doors meet the fenestration U-factor required in Table R402.1.1.	Final	Complies  Does not comply				
EB1	R402.2.3	Vented attics contain eave baffles as per R402.2.3	Rough/Final	Complies  Does not comply				
Envelope Ceiling and Attic Knee walls								
KW1	NA	Knee Wall insulation R-value (cavity insulation)	Insulation					
KW2	NA	Knee Wall insulation R-value (continuous insulation)	Insulation					
KW3	NA	What is the knee wall framing material - wood or steel?	Framing Rough-In				Wood   Steel	
KW4	NA	What is the predominant nominal knee wall framing depth? (2 inch, 4 inch, 6 inch, 8 inch, etc.) <b>Note:</b>	Framing Rough-In					Note: Insulated cavity depth.
KW5a	NA	What is the knee wall cavity insulation quality? (I,II,III) - see INFO - Insulation Grading tab	Insulation				Grade I   II   III	
KW5b	NA	What is the knee wall continuous insulation quality? (I,II,III) - see INFO - Insulation Grading tab	Insulation				Grade I   II   III	

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Code Section
KW6	NA	What is the predominant knee wall insulation type?	Insulation				<div>Slab on Grade</div> <div>Blown fiberglass</div> <div>Blown cellulose</div> <div>Spray foam</div> <div>Foam board</div> <div>Other</div>	
Envelope Fenestration								
FR2	R402.1.2, R402.3.1, R402.3.3	Field Observed <b>Window NFRC-rated U-factor</b> (area-weighted average)	Framing Rough-In					
FR3	R402.1.2, R402.3.2, R402.3.3	Field Observed <b>NFRC-rated SHGC value</b> (area-weighted average)	Framing Rough-In					
FR5	R402.1.2, R402.3.1, R402.3.3	<b>Skylight NFRC-rated U-factor</b> (area-weighted average)	Framing Rough-In					
FR1	R402.1.2, R402.3.4	<b>Door NFRC-rated U-factor</b> (area-weighted average)	Framing Rough-In					
Envelope Foundation All Foundations			Category					
BG17	NA	<b>Predominant (most common) foundation type</b>	Foundation				<div>Slab on Grade</div> <div>Unvented crawl space</div> <div>Vented crawl space</div> <div>Heated basement</div> <div>Unheated basement</div>	If you pick slabs here, fill out slab questions below. For unvented crawlspaces, fill out unvented crawlspace questions. For heated basements, fill out heated basement questions. For vented crawlspaces and unheated basements, fill out floor questions.

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Code Section
FO11	R303.2.1	A protective covering is installed to <b>protect exposed exterior insulation</b> and extends a minimum of 6 in. below grade	Foundation	Complies  Does not comply				
Envelope Foundation Basement			Category					
FO4a	R402.1.2, R402.2.9	Conditioned basement wall <b>insulation R-value (cavity insulation)</b>	Basement					Only answer this question if you select "Heated Basement" for question BG17.
FO4b	R402.1.2, R402.2.9	Conditioned basement wall <b>insulation R-value (continuous insulation)</b>	Basement					Only answer this question if you select "Heated Basement" for question BG17.
FO6	R402.2.9	Conditioned basement wall <b>insulation depth</b> of burial or distance from top of wall	Basement				Feet	Only answer this question if you select "Heated Basement" for question BG17.
WIP2	NA	Where is the basement wall insulation ( <b>inside, outside</b> )?	Basement				Inside   Outside	Only answer this question if you select "Heated Basement" for question BG17.
IQ4a	NA	What is the basement cavity <b>insulation quality?</b> (I,II,III) - see INFO - Insulation Grading tab	Basement				Grade   I   II   III	Only answer this question if you select "Heated Basement" for question BG17.
IQ4b	NA	What is the basement continuous insulation quality? (I,II,III) - see INFO - Insulation Grading tab	Basement				Grade   I   II   III	Only answer this question if you select "Heated Basement" for question BG17.
Envelope Foundation Crawlspace			Category					
FO7a	R402.1.2, R402.2.11	<b>Unvented</b> crawl space wall insulation R-value ( <b>cavity</b> insulation)	Crawlspace					Only answer this question if you select "Unvented Crawlspace" for question BG17.
FO7b	R402.1.2, R402.2.11	<b>Unvented</b> crawl space wall <b>insulation R-value (continuous</b> insulation)	Crawlspace					Only answer this question if you select "Unvented Crawlspace" for question BG17.

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Code Section
CSIQ1a	NA	What is the crawl space wall cavity <b>insulation quality?</b> (I,II,III) - see INFO - Insulation Grading tab	Crawlspace				Grade I II III	Only answer this question if you select "Unvented Crawlspace" for question BG17.
CSIQ1b	NA	What is the crawl space wall continuous insulation quality? (I,II,III) - see INFO - Insulation Grading tab					Grade I II III	
FO9	R402.2.11	<b>Unvented</b> crawl space continuous <b>vapor retarder</b> installed over exposed earth, joints overlapped by 6 in. and sealed, extending at least 6 in. up and attached to the wall	Crawlspace	Complies  Does not comply				Only answer this question if you select "Unvented Crawlspace" for question BG17.
FO10	R402.2.11	Unvented crawl space wall <b>insulation depth</b> of burial or distance from top of wall.	Crawlspace					Only answer this question if you select "Unvented Crawlspace" for question BG17.
FO13	NA	What is the predominant crawl space insulation type?					Blown fiberglass  Blown cellulose  Spray foam  Foam board  Other	
Envelope Foundation Floor			Category					
IN1a	R402.1.2, R402.2.8	Floor <b>insulation R-value (cavity</b> insulation)	Floor					Only answer this question if you selected "Vented Crawlspace" or "Unheated Basement" for question BG17.
IN1b	R402.1.2, R402.2.8	Floor <b>insulation R-value (continuous</b> insulation)	Floor					Only answer this question if you selected "Vented Crawlspace" or "Unheated Basement" for question BG17.

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Code Section
M2	NA	What is the <b>floor framing material</b> - wood or steel?	Floor				Wood   Steel	Only answer this question if you selected "Vented Crawlspace" or "Unheated Basement" for question BG17.
Floor1	NA	What is the predominant <b>floor joist spacing</b> (16 inch, 24 inch, etc.)	Floor					Only answer this question if you selected "Vented Crawlspace" or "Unheated Basement" for question BG17.
Floor2	NA	What is the predominant <b>floor joist depth</b> (8 inch, 10 inch, etc.)	Floor					Only answer this question if you selected "Vented Crawlspace" or "Unheated Basement" for question BG17.
Floor3	NA	What is the predominant floor insulation type?	Floor				<div>Other fiberglass</div> <div>Blown fiberglass</div> <div>Blown cellulose</div> <div>Spray foam</div> <div>Foam board</div> <div>Other</div>	Only answer this question if you selected "Vented Crawlspace" or "Unheated Basement" for question BG17.
IN2	R402.2.8	<b>Floor insulation installed</b> in substantial contact with the underside of the subfloor or floor insulation is in contact with the top side of the sheathing or continuous insulation is installed on bottom side of floor framing and the perimeter band joists are insulated to the wood frame wall requirements.	Floor	<div>Complies</div> <div>Does not comply</div>				Note: Floors over unconditioned space. Floor over garage, cantilever   "Vented Crawlspace" or "Unheated Basement"
IQ2a	NA	What is the floor cavity <b>insulation quality?</b> (I,II,III) - see INFO - Insulation Grading tab	Floor				Grade   I   II   III	

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Code Section
IQ2b	NA	What is the floor continuous insulation quality? (I,II,III) - see INFO - Insulation Grading tab					Grade I II III	
Envelope Foundation Slab			Category					
FO1	R402.1.2, R402.2.10	Slab edge <b>insulation R-value</b>	Slab on Grade					Only answer this question if you select "Slab-On-Grade" for question BG17.
FO3	R402.1.2, R402.2.10	Slab edge <b>insulation depth</b> or length	Slab on Grade				Feet	Only answer this question if you select "Slab-On-Grade" for question BG17.
Slab1	NA	Is the slab <b>heated</b> ?	Slab on Grade				Yes No	Only answer this question if you select "Slab-On-Grade" for question BG17.
Slab2	NA	Does the slab have <b>R-5 full under slab insulation</b> ?	Slab on Grade				Yes No	Only answer this question if you select "Slab-On-Grade" for question BG17.
Envelope Insulation								
IN13	R303.1.2, R303.1.2	<b>All installed insulation is labeled</b> or the installed R-values provided. Note - at time of inspection	Insulation	Complies  Does not comply				
Wall1	NA	Are the walls predominantly <b>frame walls or mass walls</b> ?	Rough/Final				Frame Mass	
Wall6	R402.1.1	Wall assemblies in building thermal envelope <b>comply with vapor retarder requirements</b> in the IRC or IBC.	Rough	Complies  Does not comply				
IN3a	R402.1.2, R402.2.6	Frame <b>Wall insulation R-value (cavity</b> insulation)	Rough					
IN3b	R402.1.2, R402.2.6	Frame <b>Wall insulation R-value (continuous</b> insulation)	Rough					
M3	NA	What is the <b>wall framing material</b> - wood or steel?	Rough/Final				Wood Steel	

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Code Section
Wall2	NA	What is the predominant nominal wall <b>framing depth</b> ? (2 inch, 4 inch, 6 inch, 8 inch, etc.)	Rough/Final					Note: 2x4, 2x6, 2x8
Wall3	NA	What is the predominant <b>wall stud spacing</b> (16 inch, 24 inch, etc.)	Framing Rough-In					
Wall4	NA	What is the <b>insulation backer</b> type? (house wrap, plywood, T-ply, other)	Framing Rough-In				House wrap; Plywood; T-Ply	Note: What is the insulation being installed against on the exterior side. i.e. OSB sheathing, etc.
Wall5	NA	What is the predominant frame wall insulation type?						
IQ3	NA	What is the frame wall <b>cavity insulation quality</b> ? (I,II,III) - see INFO - Insulation Grading tab	Insulation				Grade I II III	
IQ3b	NA	What is the frame wall continuous insulation quality? (I,II,III) - see INFO - Insulation Grading tab						
Mass Wall								
FR10a	R402.1.2, R402.2.5	Mass wall <b>insulation R-value (cavity</b> insulation)	Framing Rough-In					
FR10b	R402.1.2, R402.2.5	Mass wall <b>insulation R-value (continuous</b> insulation)	Framing Rough-In					
MIQ1	NA	What is the mass wall cavity <b>insulation quality</b> ? (I,II,III) - see INFO - Insulation Grading tab (Not applicable to ICF walls - applicable only to mass walls with framed insulation)	Insulation				Grade I II III	

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WIP1	NA	Where is the mass wall insulation located (inside, outside)?	Insulation				Inside   Outside	
AE2	R408.2.1	Does the envelope UA meet the "enhanced envelope performance" additional efficiency option?	Final				Yes   No	Mark Not Observable if compliance software documentation is not available.

2021 IECC Residential Data Collection Form - Mechanical								
ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
Mechanical Documentation								
FI18	R303.3	Manufacturer manuals for mechanical and water heating systems have been provided	Final	Complies  Does not comply				
Mechanical Controls								
FO12	R403.9	Snow- and ice-melting system controls installed	Final	Complies  Does not comply				
FI9	R403.1.1	Programmable thermostat installed on primary heating or cooling system	Final	Complies  Does not comply				
FI10	R403.1.2	Heat pump thermostat installed on heat pumps	Final	Complies  Does not comply				
Mechanical Ducts								
FI4a	R403.3.4	First Duct System - Duct tightness test result (postconstruction total leakage) by Project Team using RESNET Protocol for systems with portion of ducts outside conditioned area)	Final				CFM/100 ft2 floor area @ 25 Pa	Note: Test all duct systems.

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
DTLOa	403.2.2	<b>First Duct System</b> - Duct tightness test result (postconstruction <b>leakage to outdoors</b> ) - OPTIONAL	Final					
DT1a	NA	<b>First Duct System</b> - <b>Duct tightness test result from 3rd party</b> previous tests (describe previous duct tightness test in comments - postconstruction or rough-in, to outdoors or total, air handler installed or not)	Final				CFM/100 ft2 floor area @ 25 Pa	Note: Try to get the results of a 3rd party test if it was done.
DFAa	NA	<b>First Duct System</b> - Approximate <b>Floor Area</b> of Home Served	Rough/Final				sq. ft	
DP5a	NA	<b>First Duct System</b> - Rough percentage of <b>supply duct in conditioned space</b>	Rough/Final				%	
DP9a	NA	<b>First Duct System</b> -Rough percentage of <b>return duct in conditioned space</b>	Rough/Final				%	
AE5	R408.2.4	<b>Does the HVAC system meet the "more efficient duct thermal distribution system" additional efficiency option (ducts in conditioned space or ductless system)?</b>					Yes No	Refer also to duct locations for second and/or third HVAC systems, if applicable.
2nd Duct System								

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
FI4b	R403.3.4	<b>Second Duct System</b> - Duct tightness test result (postconstruction <b>total leakage</b> ) by Project Team using RESNET Protocol (for systems with portion of ducts outside conditioned area)	Final				CFM/100 ft2 floor area @ 25 Pa	Note: only test a system if any portion of the duct is located outside the building envelope.
DTLOb	403.2.2	<b>Second Duct System</b> - Duct tightness test result (postconstruction <b>leakage to outdoors</b> ) - OPTIONAL	Final					
DT1b	NA	<b>Second Duct System</b> - <b>Duct tightness test result from 3rd party</b> previous tests (describe previous duct tightness test in comments - postconstruction or rough-in, to outdoors or total, air handler installed or not)	Final				CFM/100 ft2 floor area @ 25 Pa	
DFAb	NA	<b>Second Duct System</b> - Approximate <b>Floor Area</b> of Home Served	Rough/Final				sq ft	
DP5b	NA	<b>Second Duct System</b> - Rough percentage of <b>supply duct in conditioned space</b>	Rough/Final				%	

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DP9b	NA	<b>Second Duct System</b> - Rough percentage of <b>return duct in conditioned space</b>	Rough/Final				%	
<b>Third Duct System</b>								
FI4c	R403.3.4	<b>Third Duct System</b> - Duct tightness test result (postconstruction <b>total leakage</b> ) by Project Team using RESNET Protocol (for systems with portion of ducts outside conditioned area)	Final				CFM/100 ft2 floor area @ 25 Pa	
DTLOc	403.3.3	<b>Third Duct System</b> - Duct tightness test result (postconstruction <b>leakage to outdoors</b> ) - OPTIONAL	Final					
DT1c	NA	<b>Third Duct System</b> - <b>Duct tightness test result from 3rd party</b> previous tests (describe previous duct tightness test in comments - postconstruction or rough-in, to outdoors or total, air handler installed or not)	Final				CFM/100 ft2 floor area @ 25 Pa	

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
DFAc	NA	<b>Third Duct System</b> - Approximate <b>Floor Area</b> of Home Served	Rough/Final				sq ft	
DP5c	NA	<b>Third Duct System</b> - Rough percentage of <b>supply duct in conditioned space</b>	Rough/Final				%	
DP9c	NA	<b>Third Duct System</b> - Rough percentage of <b>return duct in conditioned space</b>	Rough/Final				%	
<b>Duct Sealing</b>								
FR13a	R403.3.2	<b>All joints and seams</b> of air <b>ducts</b> are sealed	Rough/Final	Complies Does not comply				
FR13b	R403.3.2	<b>All joints and seams</b> of air <b>handlers</b> are sealed	Rough/Final	Complies Does not comply				
FR13c	R403.3.2	<b>All joints and seams</b> of <b>filter boxes</b> are sealed	Rough/Final	Complies Does not comply				
FR30	R403.3.2.1	<b>Air handler</b> has a manufacturers <b>designation of air leakage.</b>	Rough/Final	Complies Does not comply				
FR15	R403.3.5	<b>Building cavities</b> are not used as <b>supply</b> ducts or plenums	Rough/Final	Complies Does not comply				

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
FR15b	R403.3.5	<b>Building cavities</b> are not used as <b>return</b> ducts or plenums	Rough/Final	Complies Does not comply				
FR19	R403.6	<b>Automatic or gravity dampers</b> are installed on all outdoor air intakes and exhausts	Rough/Final	Complies Does not comply				
FR12a	R403.3.1	For all <b>supply ducts</b> in <b>unconditioned space</b> or outside, what is the typical insulation <b>R-value</b> ?	Rough/Final					
FR12b	R403.3.1	For all <b>return ducts</b> in <b>unconditioned space</b> or outside, what is the typical insulation <b>R-value</b> ?	Rough/Final					
FR12c	R403.3.1	For all <b>supply ducts</b> in <b>attic</b> , what is the typical insulation <b>R-value</b> ?	Rough/Final					
FR12d	R403.3.1	For all <b>return ducts</b> in <b>attic</b> , what is the typical insulation <b>R-value</b> ?	Rough/Final					
DP14	R403.3.3	<b>Duct test report provided to code official.</b>	Final	Complies Does not comply				

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
DP15	R403.3.6	Are <b>supply and return</b> air ducts partially or <b>completely buried in ceiling insulation</b> and compliant with R403.3.6?	Rough/Final				Yes   No	
Mechanical Equipment								
PR2	R302.1, R403.7	<b>Heating and cooling</b> equipment is <b>sized per ACCA Manual S</b> based on loads calculated per ACCA Manual J or other methods approved by the code official	Rough/Final	Complies  Does not comply				
EQ1	NA	<b>Predominant heating Source</b> - gas, oil, electricity, wood	Rough/Final				Gas  Oil  Electric  Wood	

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
EQ2a	NA	<b>First Heating System - Heating system type</b> - furnace, boiler, radiant, heat pump, electric resistance strip heat	Rough/Final				Furnace  Boilder  Radiant  Heat Pump  Electric  Wood stove	
EQ3a	NA	<b>First Heating System - Heating system efficiency</b> in HSPF or AFUE	Rough/Final					Please take pic of model #
EQ3d	NA	First Heating System - Heating system efficiency in <b>HSPF2</b>						Please take pic of model #
AE3	R408.2.2	<b>Does the equipment meet the "more efficient HVAC equipment performance" additional efficiency option (greater than or equal to 95 AFUE/16 SEER, 10 HSPF/16 SEER, or 3.5 COP)?</b>					Yes   No	
EQ4a	NA	<b>First Heating System - Heating system capacity</b> in Btu/h	Rough/Final					Please take pic of model #

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
EQ2b	NA	<b>Second Heating System</b> - Heating system type - furnace, boiler, radiant, heat pump, electric resistance strip heat	Rough/Final				Furnace  Boilder  Radiant  Heat Pump  Electric  Wood stove	
EQ3b	NA	<b>Second Heating System</b> - Heating <b>system efficiency</b> in HSPF or AFUE	Rough/Final					Please take pic of model #
EQ3e	NA	Second Heating System - Heating system efficiency in <b>HSPF2</b>	Rough/Final					
EQ4b	NA	<b>Second Heating System</b> - Heating <b>system capacity</b> in Btu/h	Rough/Final					Please take pic of model #

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
EQ2c	NA	<b>Third Heating System - Heating system type</b> - furnace, boiler, radiant, heat pump, electric resistance strip heat	Rough/Final				Furnace  Boilder  Radiant  Heat Pump  Electric  Wood stove	
EQ3c	NA	<b>Third Heating System - Heating system efficiency</b> in HSPF or AFUE	Rough/Final					Please take pic of model #
EQ4c	NA	<b>Third Heating System - Heating system capacity</b> in Btu/h	Rough/Final					Please take pic of model #
EQ3f	NA	Third Heating System - Heating system efficiency in <b>HSPF2</b>	Rough/Final					
<b>HVAC Cooling</b>								
EQ5a	NA	<b>First Cooling System - Cooling system type</b> - central ac, room ac, heat pump	Rough/Final				Central AC  Room AC  Heat Pump	
EQ6a	NA	<b>First Cooling System - Cooling system efficiency</b> in SEER	Rough/Final					Please take pic of model #

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
EQ6d	NA	First Cooling System - Cooling system efficiency in <b>SEER2</b>						
EQ7a	NA	<b>First Cooling System</b> - Cooling <b>system capacity</b> in Btu/h	Rough/Final					Please take pic of model #
EQ5b	NA	<b>Second Cooling System</b> - <b>Cooling system type</b> - central ac, room ac, heat pump	Rough/Final				Central AC  Room AC  Heat Pump	
EQ6b	NA	<b>Second Cooling System</b> - Cooling <b>system efficiency</b> in SEER	Rough/Final					Please take a pic of model #
EQ6e	NA	Second Cooling System - Cooling system efficiency in <b>SEER2</b>						
EQ7b	NA	<b>Second Cooling System</b> - Cooling <b>system capacity</b> in Btu/h	Rough/Final					Please take pic of model #
EQ5c	NA	<b>Third Cooling System</b> - <b>Cooling system type</b> - central ac, room ac, heat pump	Rough/Final				Central AC  Room AC  Heat Pump	
EQ6c	NA	Third Cooling System - Cooling <b>system efficiency</b> in SEER	Rough/Final					Please take a pic of model #

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
EQ7c	NA	<b>Third Cooling System</b> - Cooling <b>system capacity</b> in Btu/h	Rough/Final					Please take pic of model #
<b>Hot Water Heating System</b>								
EQ8	NA	<b>Predominant hot water heating source</b> - gas, oil, electricity-resistance, electricity-heat pump, wood, solar	Rough/Final				Gas  Oil  Elec. Resist.  Elec-hp  Wood  Solar	
EQ9	NA	<b>Water heating system type</b> - storage, tankless, solar	Rough/Final				Storage  Tankless  Solar	
EQ10	NA	<b>Water heater efficiency in EF</b>	Rough/Final					Please take pic of model # or equipment.
EQ15	NA	Water heater efficiency in <b>UEF</b>	Rough/Final					
EQ11	NA	<b>Water heater tank capacity in gallons</b>	Rough/Final				gal.	

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
AE4	R408.2.3	Does the water heater meet the "reduced energy usage in service water heating" additional efficiency option (greater than or equal to 0.82 EF fossil, 2.0 EF electric, or 0.4 solar fraction)?					Yes No	
Mechanical Piping								
FR17	R403.4	Insulation minimum R-value for HVAC piping conveying fluids above 105°F or chilled fluids below 55°F. (Includes AC lines)	Rough/Final					
FR24	R403.4.1	Protection of insulation on HVAC piping. (Includes AC lines)	Rough/Final	Complies Does not comply				
Hot Water System								
FI11	R403.5.1	Circulating service hot water systems have automatic or accessible manual controls	Final	Complies Does not comply				
HW1	R403.2	Hot water boilers in one or two pipe heating systems have outdoor temperature reset.	Final	Complies Does not comply				
HW2	R403.5.1.1	Circulating systems designed per R403.5.1.1.	Final	Complies Does not comply				

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
HW3	R403.5.1.2	Heat trace systems designed per R403.5.1.2.	Final	Complies Does not comply				
HW4	R403.5.2	Demand recirculation systems designed per R403.5.2.	Final	Complies Does not comply				
FR18	R403.5.3	Pipe insulation R-value for DHW pipes	Rough/Final	Complies Does not comply				
HW5	R403.5.4	Drain water heat recovery units designed per R403.5.4.	Final	Complies Does not comply				
Mechanical Ventilation								
V1	NA	What type of whole-house ventilation system does the home have? (AHU-integrated Supply, Exhaust fans only, standalone ERV/HRV)	Final				AHU-Int.  Exhaust fan  ERV/HRV	
V2	NA	If AHU-integrated, does it have heat/energy recovery?	Final				Yes No	
V3	NA	If exhaust-based, does it have dedicated exhaust fan(s) for ventilation or does it rely on bathroom exhaust fan(s)?	Final				Dedicated Exhaust Fan  Bath Fan	Note: a bath fan can be the dedicated exhaust fan if it is the only one used for exhaust ventilation.

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
V4	NA	If bathroom exhaust fan, are the controls set to enable continuous operation or intermittent operation on a pre-set schedule?					Yes - continuous  Yes - intermittent  No	
V4a	R403.6	<b>Home is provided with ventilation per IRC</b> or IMC or other approved means of ventilation	Final	Complies  Does not comply				Note Supply, exhaust, balanced sized per Ventilation rate in cubic feet per minute = (0.01 × total square foot area of house) + [7.5 × (number of bedrooms + 1)]
V4b	NA	<b>Measured CFM of ventilation system</b>	Final					
V4c	NA	<b>Measured static pressure of ventilation system</b> (optional)	Final					
V5a	R403.6.1	<b>Range hood fan efficacy</b>	Final				CFM/watt	Note: Only needed if hood is used for whole house ventilation
V5b	R403.6.1	<b>In-line fan efficacy</b>	Final				CFM/watt	Note: Only needed if in-line fan is used for whole house ventilation
V5c	R403.6.1	<b>Bathroom</b> , utility room <b>fan (less than 90 cfm) efficacy</b>	Final				CFM/watt	Note: Only needed if bathroom/utility fan is used for whole house ventilation
V5d	R403.6.1	<b>Bathroom</b> utility room <b>fan (greater than 90 cfm) efficacy</b>	Final				CFM/watt	Note: Only needed if bathroom/utility fan is used for whole house ventilation
V5e	R403.6.1	<b>HRV or ERV fan efficacy</b>	Final				CFM/watt	Note: Only needed if HRV/ERV is used for whole house ventilation
V5f	R403.6.1	If HRV or ERV, is the system balanced according to R403.6.1	Final					
V5g	R408.2.5	Does HRV or ERV use recirculation as a defrost strategy?	Final					

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
V5h	R408.2.5	If ERV installed, what is the Latent Recovery/Moisture Transfer (LRMT) percentage?	Final					
V5i	R408.2.5	What is the HRV/ERV Sensible Recovery Efficiency (SRE)?	Final					
AE6	R408.2.5	Was the improved air sealing and efficient ventilation option implemented (greater than or equal to 3.0 ACH50 + HRV/ERV)?	Final					
Local Ventilation - Bathrooms								
V6a		Bathroom 1: Is the bathroom equipped with an exhaust fan?	Final					
V6b		Bathroom 1: What is the rated CFM of the exhaust fan?	Final					
V6c		Bathroom 1: Is the exhaust fan vented to the outside?	Final					
V6d		Bathroom 2: Is the bathroom equipped with an exhaust fan?	Final					
V6e		Bathroom 2: What is the rated CFM of the exhaust fan?	Final					
V6f		Bathroom 2: Is the exhaust fan vented to the outside?	Final					

ID	Code Section	Description	Phase of Construction	Meets Requirement	Not Applicable	Not Observable	Field Observation	Comments/Notes/Code Section
V6g		Bathroom 3: Is the bathroom equipped with an exhaust fan?	Final					
V6h		Bathroom 3: What is the rated CFM of the exhaust fan?	Final					
V6i		Bathroom 3: Is the exhaust fan vented to the outside?	Final					
Local ventilation - Kitchen								
V7a		Is the kitchen range equipped with a range hood (including microwave fan)?	Final					
V7b		Is the kitchen range fan recirculating or does it exhaust to the outside?	Final					
V7c		If exhausting to the outside, what is the rated CFM of the kitchen range fan?	Final					
Lighting Documentation								
FI6	R404.1	Percentage of permanently installed fixtures that have high-efficacy lamps	Final				%	
GL1	R404.1.1	Fuel gas lighting systems do not have continuously burning pilot lights.	Final	Complies Does not comply				