ENERGY STAR® Residential New Construction Programs

Historical Document

This document is provided for reference because it has been superseded by a more recent Version or Revision. Please find current program documents on the <u>Program Requirements</u> webpage.

Use of older Versions and Revisions, such as this document, are typically limited to homes and buildings with a permit date (or, for manufactured homes, a production date) prior to a specified date. Consult the Implementation Timeline table to assess whether a home or apartment is still eligible to be certified using this document.

For questions or more information, contact us at energystar.gov.



An ENERGY STAR Quality Assurance Checklist shall be completed during each quality assurance file review and field review (QA review) of buildings being certified through the ENERGY STAR Multifamily New Construction program's ERI Path in accordance with the policies and procedures of the Home Certification Organization (HCO) ¹. This revision of the QA checklist is mandatory for buildings certified under Version 1 / 1.1 / OR-WA 1.2, Revision 02. QA reviews for buildings certified under Revision 01 may continue to use the prior revision of this document titled "2020 Rater Quality Assurance Checklist", available upon request by email at energystar.gov. Review complete instructions on page 6 below.

ENERGY STAR Quality Assurance Checklist

		LINEINOTO	TAIL Quality As	Surance Oneckii	<u> </u>			
Pr	oject Name:			Number of Units:	Permit	Date:		
Bu	ilding Address: _			City:		State:		
Q/	A Review	Review Type: ☐ File ☐ Field	QA Reviewer:		Date of Re	view:		
		Unit Number:						
		Rater Being QA'd:			ywall □ Final coı	nstruction or	comple	eted
Or	iginal Rating	Rater Company Name:						
		Rater Name:	Rater II	D #: Date: _	□ MF	NC Training	Compl	ete
	al Inspection:	Rater Name:	Rater II	D #: Date: _	🗆 MF	NC Training	Compl	ete
Ad	ction Items / Su	ummary of QA				Yes	No	N/A
If a	ny Item marked "I	No" or "Not Verified," an action/expl	anation summary doc	ument shall be attached			-	
Do	ocumentation (Collection – Collect these items	as part of the QA data	file		Yes	No	N/A
A)	Energy Rating Fil	e collected.						
B)	Documentation cocertified to the sa	ollected that demonstrates that all ome version.	dwelling units in the mu	ultifamily building were reg	istered and			
C)	National Rater De	esign Review Checklist collected, w	rith no Items left blank.					-
D)		ollected that builder or developer hacumentation of active partnership c						-
		If Track	A – HVAC Grading by	Rater was pursued:				
E.a) HVAC design report compliant with ANSI / RESNET / ACCA Std. 310, with the ENERGY STAR MFNC supplement, collected, with no Items left blank.								
F.a) ANSI / RESNET / ACCA Std. 310 Rater Design Review Checklist collected, completed for applicable housing type and with all items marked "Rater Verified".								
				T Agent was pursued:				
		R National HVAC Design Report col						
G)	National Rater Fi	ield Checklist collected, with no Iter	ns left blank or marked	d Must Correct.				-
	List of any exemp	otions or alternatives used by the R	ater.					
	Per 1.2, 3.5, and/	or 3.6, documentation collected on	alternative UA calcula	tions, if used for complian	ce.			
	Per 5b.1, written	approval from designer collected, if	installed models do n	ot match Design Report.				
		documentation collected of the mea						
		3, lighting power density calculation						
		dings 50,000 ft² and larger, docume thly or annual building-level energy		rming the strategy used to	enable the			
	Rater Name, Insp	pection Dates are recorded.						-
	If any Builder Ver	ified Items are used, Builder Emplo	yee, Builder Inspectio	n Date and Builder Initials	are recorded.			
	If any LP Verified	Items are used, Licensed Professi	onal, LP Inspection Da	ate and LP Initials are reco	rded.			
H)	using Track B – F project fully docu Functional Testin	unctional Testing Checklist(s) colle HVAC Testing by FT Agent, with no mented. Exception: Where credenti g Checklist, the checklist is not req	Items left blank and walled HVAC Contractor uired to be collected. ²	vith all HVAC systems in the r(s) are completing the Na	ne building / tional HVAC			
I)		ollected that Functional Testing Age g Checklist(s) and were listed on th						-



Energy Rating File – File is consistent with program requirements, Rater's documentation, and field observations.	Yes	No	N/A
Energy Rating file passes the Home Certification Organization's (HCO's) quality assurance review checklist. ²			-
ERI of the dwelling unit meets or exceeds the ENERGY STAR ERI Target for the program version applicable at the time of certification.			-
Energy Rating file is consistent with the National Rater Design Review Checklist			-
2.1.2 Modeled dwelling unit fenestration meets or exceeds 2009 IECC residential requirements. ²			-
3.1.2 Modeled dwelling unit ceiling, wall, floor, and slab insulation levels meet or exceed values from the "Group R" column in the 2009 IECC Commercial chapter. ²			-
Energy Rating file is consistent with the National Rater Field Checklist			-
1.3 Modeled insulation achieves Grade I installation per ANSI / RESNET / ICC Std. 301. ²			-
3.1, 3.2 & 3.3 Modeled attic insulation meets minimum R-value at perimeter, platforms and attic covers. ²			-
3.4 For slabs on grade in CZ 4-8, slab edge modeled with ≥ R-5 insulation at depth specified by the 2009 IECC. ²			
3.7 Modeled above grade walls are consistent with documented thermal bridging strategy (3.7.1, 3.7.2 or 3.7.3). ²			-
6.3 Modeled supply and return ducts in unconditioned space are insulated to R-6. ²			
6.4 & 6.5 Modeled duct leakage is consistent with total leakage and, in townhouses only, leakage to outdoors limits. ²			
7.2 Modeled ventilation rate is within ± 15 CFM or ± 15% of dwelling unit design value (2.7), and meets or exceeds rates required by ASHRAE 62.2-2010. ²			-
National Rater Design Review Checklist	Yes	No	N/A
2.2.1 Rater documentation that installed common space fenestration meets or exceeds ENERGY STAR MF Reference Design Req'ts. ²			
3.2.1 Rater documentation that installed common space ceiling, wall, floor, and slab-on-grade insulation levels meet or exceed ENERGY STAR MF Reference Design requirements. ²			
If Track A – HVAC Grading by Rater was pursued:			
4a.4 Total occupant gains do not exceed 645 Btuh per occupant. ²			
4a.5 Non-occupant internal gains are less than 3,600 Btuh.			
4a.6 Cooling sizing % is within the cooling sizing limit selected by HVAC designer.			
If Track B – HVAC Testing by FT Agent was pursued:			
4b.2 National HVAC Design Report(s) reviewed for the following parameters (National MFNC HVAC Design Report Item # indicated in parenthesis):			
4b.2.2 Cooling season and heating season outdoor design temperatures used in loads (3.4) are within the limits defined for the State and County where the building will be built, or the designer has provided an allowance from EPA to use alternative values. All limits are published at www.energystar.gov/hyacdesigntemps . Note that revised (i.e., 2019 Edition) limits are required to be used for all HVAC Design Reports generated after 07/01/2020. ²			
4b.2.3 Number of occupants used in loads (3.6) is within ± 2 of the dwelling unit being reviewed and total occupant gains (3.7) do not exceed 645 Btuh per occupant. ²			
4b.2.4 Conditioned floor area used in loads (3.8) is between 100 sq. ft. smaller and 300 sq. ft. larger than the dwelling unit being reviewed. ²			
4b.2.5 Window area used in loads (3.9) is between 15 sq. ft. smaller and 60 sq. ft. larger than the dwelling unit being reviewed, or for dwelling units to be certified with > 500 sq. ft. of window area, between 3% smaller and 12% larger. ²			
4b.2.6 Predominant window SHGC used in loads (3.10) is within 0.1 of rater-documented predominant value installed in the dwelling unit being reviewed. ²			
4b.2.7 Mechanical ventilation used in loads (3.12) is the same as the ventilation design (2.7) for the given unit plan.			
4b.2.8 Non-occupant internal gains (3.13) are less than 3,600 Btuh.			
4b.2.9 Sensible & total heat gain are documented (3.15, 3.17) for the orientation of the dwelling unit being reviewed. ²			
4b.2.10 Cooling sizing % (4.18) is within the cooling sizing limit (4.19) selected by the HVAC designer.			

Revised 5/25/2021



National Rater Field Checklist – Mandatory during Field Review; optional during File Review	Yes	No	Not Verified	N/A				
1. High-Performance Fenestration & Insulation								
1.2 Accessible insulation in dwelling units meets or exceeds levels specified in Item 3.1 of the Rater Design Review Checklist. Where no examples are accessible, rater documentation of installed insulation is reviewed.								
3.1.2 Installed ceiling and floor insulation levels meet or exceed values from the "Group R" column in the 2009 IECC Commercial chapter.								
1.2 Accessible insulation in common spaces meets or exceeds levels specified in Item 3.2 of the Rater Design Review Checklist. Where no examples are accessible, rater documentation of installed insulation is reviewed. 4								
3.2.1 Installed ceiling and floor insulation levels meet or exceed ENERGY STAR MF Reference Design requirements.								
1.3 All visible insulation achieves Grade I install. per ANSI / RESNET / ICC Std. 301. ²								
1.5 Heated plenums in unconditioned space or ambient conditions meet the following requirements: ²								
1.5.1 Sides of heated plenum are an air barrier and insulated to ≥ R-3ci in CZ 1-4; ≥ R-5ci in CZ 5-6; ≥ R-7.5ci in CZ 7; ≥ R-9.5ci in CZ 8, AND;								
1.5.2 Insulation at top of plenum meets or exceeds the R-value for mass floors from the "All Other" column of Table 502.2(1) of 2009 IECC, AND;								
1.5.3 Bottom of heated plenum has at least R-13 insulation. ²								
1.6 Garages with space heating meet the following requirements: ²								
1.6.1 Insulation on above grade walls and walls on the first story below grade ≥ R-5ci in CZ 5-6; ≥ R-7.5ci in CZ 7; ≥ R-9.5ci in CZ 8, AND ;								
1.6.2 Ceiling insulation meets or exceeds the R-value for mass floors from the "All Other" column of Table 502.2(1) of 2009 IECC.								
3. Reduced Thermal Bridging								
The following items must be verified in the dwelling unit being reviewed and 50% of common spaces where the condition is present:								
3.1 For insulated ceilings with attic space above (i.e., non-cathedralized), Grade I insulation extends to the inside face of the exterior wall below and is ≥ R-21 in CZ 1-5; ≥ R-30 in CZ 6-8. ²								
3.2 For insulated ceilings with attic space above, attic access panels and drop-down stairs insulated ≥ R-10 or equipped with durable ≥ R-10 cover. ²								
3.3 Insulation beneath attic platforms (e.g., HVAC platforms, walkways) ≥ R-21 in CZ 1-5; ≥ R-30 in CZ 6-8.								
4. Air Sealing								
The following items must be verified in the dwelling unit being reviewed and 50% of common spaces where the condition i leakage to exterior, adjacent buildings, or unconditioned spaces:	s prese	nt, to	reduce a	air				
4.1 Visible ducts, flues, shafts, plumbing, piping, wiring, exhaust fans, & other penetrations to unconditioned space sealed, with blocking / flashing as needed.								
4.2 Recessed lighting fixtures adjacent to unconditioned space ICAT labeled and gasketed.								
4.7 Doors adjacent to unconditioned space (e.g., attics, garages, basements) or ambient conditions made substantially air-tight with doorsweep and weatherstripping or equivalent gasket.								
4.8 Attic access panels, roof hatches and drop-down stairs are gasketed (i.e., not caulked) or equipped with durable covers that are gasketed. ²								
The following items must be additionally verified in the dwelling unit being reviewed:	,							
4.9 Doors serving as a unit entrance from a corridor/stairwell made substantially air-tight with doorsweep and weatherstripping or equivalent gasket.								
4.10 Measured compartmentalization is no greater than 0.30 CFM50 per square feet of dwelling unit enclosure area, following procedures in ANSI / RESNET / ICC Std. 380. ²								
4.10.1 For dwelling units with forced air distribution systems without ducted returns and located in a closet adjacent to unconditioned space, the measured pressure difference between the space containing the air handler and the conditioned space during the compartmentalization test is no greater than 5 Pa. ²								

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ENERGY STAR Multifamily New Construction

Quality Assurance Checklist (ERI Path), v1 / 1.1 / OR-WA 1.2 (Rev. 02)

5. Heating & Cooling Equipment – Complete Track A – HVAC Grading or Track B – HVAC Testing by FT Agent					N/A
5a.1 Blower fan volumetric airflow is Grade I or II per ANSI / RESNET / ACCA Std. 310.			No	Verified	
Track	5a.2 Blower fan watt draw is Grade I or II per ANSI / RESNET / ACCA Std. 310.				
A	5a.3 Refrigerant charge is Grade I per ANSI / RESNET / ACCA Std. 310. ²				
Track B	5b.1 HVAC manufacturer & model number on installed equipment matches either of the following (check box): ^{2,5} □ National HVAC Design Report (4.6-4.9 & 4.25-4.26) □ Written approval received from designer.				-
5.5 He	ating and cooling eqpt. serving common spaces, but not dwelling units, meet efficiency levels in the Exhibit X. ^{2, 5}				
Equipn	nent Controls				
5.8 All heating and cooling systems serving the dwelling unit have thermostatic controls within the dwelling unit which are not located on exterior walls.					
5.9 Stair and elevator shaft vents equipped with motorized dampers that are capable of being automatically closed during normal building operation and are interlocked to open as required by fire and smoke detection systems. Dampers are verified to be closed at the time of inspection.					
tra	reeze protection systems, such as heat tracing of piping and heat exchangers, including self-regulating heat acing, and garage / plenum heaters include automatic controls that are verified to shut off the systems when pipe all or garage / plenum temperatures are above 40°F.				
5.10.	.1 Where heat tracing is installed for freeze-protection, controls must be based on pipe wall temperature and a minimum of R-3 pipe insulation is also required.				
pa th	now- and ice-melting systems include automatic controls that are verified to shut off the systems when the avement temperature is above 50°F and no precipitation is falling, and an automatic or manual control is installed nat is verified to shut off system when the outdoor temperature is above 40°F, so that the potential for snow or ice ccumulation is negligible.				
Hydror	nic Distribution				
ris	or hydronic distribution systems, all terminal heating and cooling distribution equipment are separated from the ser or distribution loop by a control valve or terminal distribution pump, so that heated or cooled fluid is not elivered to the dwelling unit distribution equipment when there is no call from the thermostat.				
5.13 ln	the dwelling unit being reviewed, terminal units in hydronic distribution systems are equipped with pressure independent balancing valves or pressure independent control valves.				
5.15 For circulating pumps serving hydronic htg. or clg. systems with 3-phase motors, 1 HP or larger, motors meet or exceed efficiency standards for NEMA Premium™ motors. If 5 HP or larger, also installed with VFDs. ²					
6. Duc					
flex	the dwelling unit being reviewed, ductwork installed without kinks, sharp bends, compressions, or excessive coiled xible ductwork. ²				
bal pre ope	drooms with a design supply airflow ≥ 150 CFM (per Item 5.2 on the National HVAC Design Report) pressure-lanced (e.g., using transfer grilles, jump ducts, dedicated return ducts, undercut doors) to achieve a measured essure differential ≥ -5 Pa and ≤ +5 Pa with respect to the main body of the dwelling unit when all air handlers are erating. ²				
	the dwelling unit being reviewed, all visible supply and return ducts in unconditioned space, including connections trunk ducts, are insulated to \geq R-6. ²				
	easured total duct leakage in dwelling unit being reviewed meets one of the following two options: ²				
6.4.1	1 Rough-in: Tested per allowances below, with the air handler & all ducts, building cavities used as ducts, & duct boots installed. In addition, verified all duct boots sealed to finished surface, at final. ² No ducted returns: ² The greater of ≤ 3 CFM25 per 100 sq. ft. of CFA or ≤ 30 CFM. Additionally, the measured pressure difference between the space containing the air handler and the conditioned space, with the air handler running at high speed, is ≤ 5 Pa. For systems > 1 ton, increase by 1 Pa per half ton. One or two ducted returns: ² The greater of ≤ 4 CFM25 per 100 sq. ft. of CFA or ≤ 40 CFM. Three or more ducted returns: ² The greater of ≤ 6 CFM25 per 100 sq. ft. of CFA or ≤ 60 CFM.				
6.4.2	2 <u>Final</u> : Tested per allowances below, with the air handler & all ducts, building cavities used as ducts, duct boots, & register grilles atop the finished surface (e.g., drywall, floor) installed. ² <u>No ducted returns</u> : ² The greater of ≤ 6 CFM25 per 100 sq. ft. of CFA or ≤ 60 CFM. Additionally, the measured pressure difference between the space containing the air handler and the conditioned space, with the air handler running at high speed is ≤ 5 Pa. For systems > 1 ton, increase by 1 Pa per half ton. <u>One or two ducted returns</u> : ² The greater of ≤ 8 CFM25 per 100 sq. ft. of CFA or ≤ 80 CFM. <u>Three or more ducted returns</u> : ² The greater of ≤ 12 CFM25 per 100 sq. ft. of CFA or ≤ 120 CFM.				
6.5 Townhouses only: Measured duct leakage to the outside the greater of ≤ 4 CFM25 per 100 sq. ft. of CFA or ≤ 40 CFM25. ²					
6.7 Du	d meets	s one	of the		
	lowing two options: 1 Rough-in: Tested including horizontal run outs, trunks, branches, and take-offs up to, but not including, the grilles where the leakage does not exceed 25% of exhaust fan flow. 2				
6.7.2	2 <u>Final</u> : Tested inclusive of all ductwork between the fan and the grilles where the leakage does not exceed 30% of exhaust fan flow.				



7. Dwelling-Un	it & Comm	on Space Mechanical Ventilation S	Systems & Inlets in Return Duct	Yes	No	Not Verified	N/A
		& model number on installed equipme	nt in the building matches either of the following				
(check box): ^{2,5} ☐ National HVAC Design Report ☐ Written approval received from designer							
		e is within either ± 15 CFM or ±15% of one as ASHRAE 62.2-2010. 2	dwelling unit design values (2.7), and meets or				
		e is within either ± 15 CFM or ±15% of oy ASHRAE 62.1-2010. ^{2, 6}	common space design values (2.9), and meets or				
			ction is not obvious (e.g., a label is required for a				
toggle wall s ventilation o	witch, but no verride contr	ot for a switch that's on the ventilation e	equipment). Townhouses only: A readily-accessible on is not obvious (e.g., a label is required for a toggle				
7.5 For any outd otherwise ch			elling unit HVAC system (Complete if present;	-	-	-	
7.5.1 Controls	automatica	lly restrict airflow using a motorized da	mper during vent, off-cycle and occupant override. ²				
7.5.2 Measure	ed vent. Rate	e is ≤ 15 CFM or 15% above design va	lue at highest HVAC fan speed. 2				
or 20% of the	e installed fa		ing-unit mechanical ventilation system, the lesser of 5 ith variable speed controllers. If > 1 HP, the lesser of s.				
7.10 Air inlet loca	ations (Com	plete if air inlet locations were installed	(2.22, 2.23); otherwise check "N/A"): ²	-	-	-	
7.10.1 Inlet(s)	pull ventilati	on air directly from outdoors and not fro	om attic, crawlspace, garage, or adjacent dwelling unit.				-
			tched-string distance from known contamination exhausts and sources exiting the roof. ²				-
7.10.3 Inlet(s)	are provided	d with rodent / insect screen with ≤ 0.5	inch mesh.				-
8. Local Mecha	nical Exha	ust (National HVAC Design Report Ite	m # indicated in parenthesis)				
		Exhaust – In each dwelling unit kitching measured airflow standards: ²	en and bathroom, a system is installed that exhausts di	rectly to	the c	outdoors	5
Location		Continuous Rate	Intermittent Rate ²				
8.1 Kitchen	Airflow	≥ 5 ACH, based on kitchen volume ²	≥ 100 CFM and, if not integrated with range, also ≥ 5 ACH based on kitchen volume ²				
8.2 Bathroom	Airflow	≥ 20 CFM	≥ 50 CFM				
Mechanical Ex	haust for C	ommon Spaces and Shared Gara	ges				
8.3 Measured exhaust rates are ≥ ASHRAE 62.1 rates (2c). ^{2, 6}							
8.4 Where a gara	age exhaust	ventilation system is installed, it is equ	ipped with controls that sense CO and NO2.				
9. Filtration							
			n each ducted mechanical system, serving an service by the occupant or building owner. ²				
9.1.1 Filter acc	ess panel ir	ncludes gasket and fits snugly against t	he edge of filter when closed to prevent bypass. ²				
		chanically supplied outdoor air passes					
10. Combustio	n Applianc	es					
10.1 Furnaces, boilers, and water heaters located within the building's pressure boundary are mechanically drafted or direct-vented. If mechanically drafted, the minimum volume of combustion air required for safe operation by the manufacturer and/or code shall be met or exceeded and make-up air sources must be mechanically closed when the combustion appliance is not in operation. 2.5							
10.2 In the dwell	ing unit bein		spaces, fireplaces located within the building's				
10.3 In the dwell	ing unit bein	g reviewed and all applicable common	spaces, no unvented combustion appliances other				
than cooking ranges or ovens are located inside the building's pressure boundary. For cooking ranges and ovens, local mechanical exhaust per Rater Field Checklist Item 8.1 requirements must be met. ²							
11. Domestic H	lot Water				ı		
	the efficience		lling units nor shared laundry: where rated in EF or R Multifamily Reference Design. Otherwise, meet or				
		r heaters, AHRI Certificate confirms the	· · · · · · · · · · · · · · · · · · ·				
11.4 Where visib	ole in the dwe	elling unit, DHW piping is insulated with	n a minimum of R-3. ²				-
11.5 Measured delivery temperatures at faucets and showerheads do not exceed 125°F. ²							-



ENERGY STAR Multifamily New Construction

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12. Lighting	Yes	No	Not Verified	N/A	
12.1 Common Space Lighting Controls:					
12.1.1 At least 50% of common spaces (including shared garages), except the building lobby and where automatic shutoff would endanger the safety of occupants, have occupancy sensors or automatic bi-level lighting controls installed and operation has been verified.					
12.2 Common Space Lighting Power Density Maximum (except garages): ²					
12.2.1 Rater-provided lighting power density calculations for the combined common spaces do not exceed ASHRAE 90.1-2007 allowances for those combined spaces, using the Space-by-Space or Building Area Method. For at least 50% of common spaces, the fixture counts, wattage, and approximate square footage are confirmed. ²					
12.3 Shared garages: Rater-provided lighting power density calculations do not exceed 0.24 W/ft2. The fixture counts, fixture wattage, and approximate square footage are confirmed.					
12.4 Exterior lighting controls: Fixtures, including parking lot fixtures, must include automatic switching on timers or photocell controls except fixtures intended for 24-hour operation, required for security, or located on dwelling unit balconies.					
12.5 In at least 50% of all exterior and common spaces, lighting fixtures meet the efficiency requirements in the ENERGY STAR Multifamily Reference Design, except fixtures located on dwelling unit balconies. ²					
13. Appliances, Ceiling Fans, and Plumbing Fixtures					
13.2 Where installed in common spaces, refrigerators and dishwashers are ENERGY STAR certified and showerheads are WaterSense labeled.					
14. Whole Building Energy Consumption Data Acquisition Strategy					
14.1 For buildings 50,000 ft² and larger, if the strategy involves a meter or other item installed at the location, this device has been confirmed as a strategy that enables the collection of monthly or annual building-level energy consumption data (electricity, natural gas, chilled water, steam, fuel oil, propane, etc.). ²					

Instructions for Performing Quality Assurance Review

- This checklist is used to document the quality assurance review of the items being verified by the Rater in the dwelling units and common spaces of an ENERGY STAR Multifamily New Construction building.
- One checklist shall be used to document all applicable items for one dwelling unit and the common space. Where more than one dwelling
 unit in a building is being reviewed, additional checklists shall be used for the additional dwelling units, but the common space only needs to
 be reviewed once per building.
- During File Review, complete the Action Items / Summary of QA, Documentation Collection, Energy Rating File and National Rater Design Review Checklist sections. During Field Review, complete the entire checklist.
- In accordance with the HCO's policies, a limited amount of the required QA Field Reviews may be performed at the pre-drywall stage. Mark items that are not yet installed as "N/A." 1
- Where a checklist item cannot be verified because it is not visible, not accessible, cannot be tested, or there are other extenuating circumstances, mark the box in the column "Not Verified," and include an explanation in an attached document.
- Additional items may be reviewed at the reviewer's discretion and included in the Additional Checklist Items and Exemptions report below.
- Items found to be out of compliance shall be corrected. If correction is not possible, the building's certification is required to be withdrawn (please contact energystar.gov).

Footnotes

- Home Certification Organizations (HCOs) are independent organizations recognized by EPA to implement an ENERGY STAR certification program for single-family and multifamily homes and apartments using an Energy Rating Index (ERI) compliance path. Learn more and find a current list of HCOs at energystar.gov/partner_resources/residential_new/working/other_participants/hco.
- This item has been edited for space or has a footnote with an exemption or alternative. Refer to referenced program document for details.
 When an item is properly met using an exemption or alternative, mark the item as "Yes" and record a description in the Additional Checklist Items and Exemptions table.
- 3. This requirement is modified from the original program requirement in order to be applicable in the context of a finished building.
- 4. While the QA Reviewer is not required to verify compliance with the insulation requirements in each common space, the QA Reviewer is required to review the ceiling insulation in at least one common space and floor insulation in at least one common space, if applicable.
- 5. For Items 5b.1, 5.5, 7.1, and 10.1 while the QA Reviewer is not required to verify compliance for each HVAC and ventilation system installed in the building, the QA Reviewer shall verify compliance for the systems serving the dwelling unit being reviewed and in addition, the QA Reviewer shall verify compliance for a minimum of two systems that provide heating and/or cooling to a common space, and two systems that provide ventilation to a common space.
- 6. For Items 7.3 and 8.3, while the QA Reviewer is not required to verify compliance with the ventilation requirements in each common space, the QA Reviewer is required to review the Rater-provided common space ventilation test results for compliance. The QA Reviewer is then required to directly measure ventilation airflows for the lesser of 5 or 20% of the reported values.

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Additional Checklist Items and Exemptions

Additional Checklist Items - Use this space to list additional Items reviewed (attach additional pages, if needed)								
Checklist/Section Name	Item #	Notes	Yes	No	Not Verified	N/A		