

ENERGY STAR Certified Homes, Version 3 / 3.1 (Rev. 09) 2019 Rater Quality Assurance Checklist

Home Address:	City: Sta	ate:	Zip (Code:_		
Action Items / Summary of QA			Yes	S	No	,
If any Item marked "Must Correct," an action summary document shall be a	ttached.					
Rater Design Review Checklist						
4. Review of HVAC Design Report		Pas	sed	Must Correct	Not Visible	N/A
4.1 HVAC Design Report collected for records, with no Items left blank]		ï	
4.2 HVAC Design Report reviewed by Rater for the following parameters (H	IVAC Design Report Item # indica	ted in parenthe	sis):			
4.2.2 Number of occupants used in loads (3.4) is within ± 2 of the home	to be certified]		-	
4.2.3 Conditioned floor area used in loads (3.5) is between zero and 300	sq. ft. larger than the home to be	certified []		-	
4.2.4 Window area used in loads (3.6) is between zero and 60 sq. ft. larg	ger than the home to be certified]		-	
4.2.5 Predominant window SHGC (3.7) is within 0.1 of predominant valu	e in the home to be certified]		-	
Rater Field Checklist						
1. High-Performance Fenestration & Insulation						
1.2 Insulation meets or exceeds levels specified in Item 3.1 of the Rater De requires that specified ceiling, wall, floor, and slab insulation levels com]			
3.1.1 Meets or exceeds 2009 IECC levels OR ;		-		-		-
3.1.2 Achieves ≤ 133% of the total UA resulting from the U-factors in 20 Footnote 4d, AND specified home infiltration does not exceed the f		nce in		_	-	_
3 ACH50 in CZs 1,2 2.5 ACH50 in CZs 3,4 2 ACH5	50 in CZs 5,6,7 1.5 ACH50	n CZ 8				
1.3 All insulation achieves RESNET-defined Grade I installation, or alterna	tive per Footnote 4 of Rater Field	Checklist []			
2. Fully-Aligned Air Barriers						
2.3 At attic knee walls and skylight shaft walls, a complete air barrier provice surface of wall insulation in all climate zones; also at interior vertical surface.		vertical]			
3. Reduced Thermal Bridging						
3.1 For insulated ceilings with attic space above (i.e., non-cathedralized), C face of the exterior wall below and is ≥ R-21 in CZ 1-5; ≥ R-30 in CZ 6-6		side]			
3.3 Insulation beneath attic platforms (e.g., HVAC platforms, walkways) ≥ F	R-21 in CZ 1-5; ≥ R-30 in CZ 6-8]			
4. Air Sealing (Unless otherwise noted below, "sealed" indicates the u	se of caulk, foam, or equivalent	material)				
4.1 Bathroom & kitchen exhaust fans that penetrate unconditioned space s	ealed, with blocking / flashing as	needed. 1]			
4.2 Recessed lighting fixtures adjacent to unconditioned space ICAT labele ceiling without attic above, exterior surface of fixture insulated to ≥ R-10		ed]			
4.9 Doors adjacent to unconditioned space (e.g., attics, garages, basement substaintially air-tight with weatherstripping or equivalent gasket	s) or ambient conditions made]			
4.10 Attic access panels, drop-down stairs, & whole-house fans equipped w (i.e., not caulked). Fan covers either installed on house side or mechan		asketed]			
6. Duct Quality Installation						
6.1 Ductwork installed without kinks, sharp bends, or excessive coiled flex	ible ductwork. 1]			
6.2 Bedrooms pressure-balanced using any combination of transfer grills, undercut doors to achieve Rater-measured pressure diff. ≤ 3 Pa with rebedroom doors are closed & all air handlers are operating, or alternative	espect to main body of the house	when all]			
6.3 All supply and return ducts in unconditioned space, including connection	· · · · · · · · · · · · · · · · · · ·]			
6.4 Rater-measured total duct leakage meets one of the following two optio	ns. See Footnote 37 of Rater Fiel	d Checklist for a	altern	ative:		
6.4.1 Rough-in: The greater of ≤ 4 CFM25 per 100 sq. ft. of CFA or ≤ 40 cavities used as ducts, & duct boots installed. In addition, <u>all</u> duct be verified at final.]			
6.4.2 <u>Final</u> : The greater of ≤ 8 CFM25 per 100 sq. ft. of CFA or ≤ 80 CFM cavities used as ducts, duct boots, & register grilles atop the finish]			
6.5 Rater-measured duct leakage to outdoors the greater of ≤ 4 CFM25 per]			
7. Whole-House Mechanical Ventilation System						
7.7 Air inlet location (Complete if ventilation air inlet location was specified (2.12, 2.13); otherwise check "N/A	"):				
7.7.1 Inlet pulls ventilation air directly from outdoors & not from attic, cra-	wlspace, garage, or adjacent dwe	lling unit.]			
7.7.2 Inlet is ≥ 10 ft. of stretched-string distance from known contamination vehicles) not exiting the roof, and ≥ 3 ft. from sources exiting the roof.		aust,]			



ENERGY STAR Certified Homes, Version 3 / 3.1 (Rev. 09) 2019 Rater Quality Assurance Checklist

ENERGY STAR	2019 Rater Quality As	surance Checklist					
8. Local Mechanical Exhaust			Passed	Must Correct	Not Visible	N/A	
In each kitchen & bathroom, system is installed that exhausts directly to outdoors & meets one of the following Rater-measured airflow standards:				3:			
Location	Continuous Rate	Intermittent Rate					
8.1 Kitchen ¹	≥ 5 ACH, based on kitchen volume	≥ 100 CFM and, if not integrated with range, also ≥ 5 ACH based on kitchen volume					
8.2 Bathroom ¹	≥ 20 CFM	≥ 50 CFM					
9. Filtration							
9.1 At least one MERV 6 or higher filter installed in each ducted mechanical system in a location that facilitates access and regular service by the owner							
9.2 Filter access panel includes gasket or comparable sealing mechanism and fits snugly against the exposed edge of filter when closed to prevent bypass		of 🗆					
9.3 All return air and mechanically supplied outdoor air passes through filter prior to conditioning							
10. Combustion A	ppliances						
10.1 Furnaces, boilers, and water heaters located within the home's pressure boundary are mechanically drafted or direct-vented. See Footnote 56 of Rater Field Checklist for alternatives.							
10.3 If unvented combustion appliances other than cooking ranges or ovens are located inside the home's pressure boundary, the Rater has followed Section 805 of RESNET's Standards, encompassing ANSI/ACCA 12 QH-2014, Appendix A, Section A3 (Carbon Monoxide Test), & verified the equipment meets the limits defined within.							
QA Designee:		Rater RTIN #:					
		of Inspecti	on:				
	nme:						
Rater Name:	Rater RT	Rater RTIN #: Rater Pre-Drywall In					
		Rater RTIN #: Rater Final Inspection		·			
Vote: Additional che	cklist items may be inspected for quality	insurance and included in the additional checklist items r	∍port.			-	
Additional Checkl	ist Items - Use this space to list addition	al Items reviewed (attach additional pages, if needed)					

Additional Checklist Items - Use this space to list additional Items reviewed (attach additional pages, if needed)							
Checklist Name	Item #	Notes	Passed	Must Correct	Not Visible	N/A	

Footnotes

1. This represents a subset of the Revision 09 Item, rather than the complete Item.