

ENERGY STAR Certified Homes, Version 3 / 3.1 (Rev. 08) 2018 Rater Quality Assurance Checklist

Home Address: City:	State:	Zip	Code:_		
Action Items / Summary of QA		Y	es	No	,
If any Item marked "Must Correct," an action summary document shall be attached] [
Rater Design Review Checklist					
4. Review of HVAC Design Report		Passed	Must Correct	Not Visible	N/A
4.1 HVAC Design Report collected for records, with no Items left blank				-	
4.2 HVAC Design Report reviewed by Rater for the following parameters (HVAC Design Report reviewed by Rater for the following parameters)	esign Report Item # indicated in pare	nthesis):			
4.2.2 Number of occupants used in loads (3.4) is within ± 2 of the home to be ce	ertified			-	
4.2.3 Conditioned floor area used in loads (3.5) is between zero and 300 sq. ft. I	arger than the home to be certified			-	
4.2.4 Window area used in loads (3.6) is between zero and 60 sq. ft. larger than	the home to be certified			-	
4.2.5 Predominant window SHGC (3.7) is within 0.1 of predominant value 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 Design Re requires that specified ceiling, wall, floor, and slab insulation levels comply with					
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 2009 IECC Footnote 4d, AND specified home infiltration does not exceed the followin		-	-	-	_
3 ACH50 in CZs 1,2 2.5 ACH50 in CZs 3,4 2 ACH50 in CZ	Zs 5,6,7 1.5 ACH50 in CZ 8				
1.3 All insulation achieves RESNET-defined Grade I installation, or alternative 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 provided that surface of wall insulation in all climate zones; also at interior vertical surface of					
3. Reduced Thermal Bridging					
3.1 For insulated ceilings with attic space above (i.e., non-cathedralized), Grade I i face of the exterior wall below and is ≥ R-21 in CZ 1-5; ≥ R-30 in CZ 6-8	insulation extends to the inside				
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 (Unless otherwise noted below, "sealed" indicates the use of ca	aulk, foam, or equivalent material)				
4.1 Bathroom & kitchen exhaust fans that penetrate unconditioned space sealed, v	with blocking / flashing as needed. 1				
4.2 Recessed lighting fixtures adjacent to unconditioned space ICAT labeled and ceiling without attic above, exterior surface of fixture insulated to ≥ R-10 in CZ 4					
4.9 Doors adjacent to unconditioned space (e.g., attics, garages, basements) or an substaintially air-tight with weatherstripping or equivalent gasket	nbient conditions made				
4.10 Attic access panels, drop-down stairs, & whole-house fans equipped with dura (i.e., not caulked). Fan covers either installed on house side or mechanically of					
6. Duct Quality Installation					
6.1 Ductwork installed without kinks, sharp bends, or excessive coiled flexible duc					
6.2 Bedrooms pressure-balanced using any combination of transfer grills, jump du undercut doors to achieve Rater-measured pressure diff. ≤ 3 Pa with respect t bedroom doors are closed & all air handlers are operating, or alternative per F	o main body of the house when all				
6.3 All supply and return ducts in unconditioned space, including connections to tru					
6.4 Rater-measured total duct leakage meets one of the following two options. See		for alter	native:		
6.4.1 Rough-in: The greater of ≤ 4 CFM25 per 100 sq. ft. of CFA or ≤ 40 CFM, we cavities used as ducts, & duct boots installed. In addition, all duct boots see verified at final.					
6.4.2 <u>Final</u> : The greater of ≤ 8 CFM25 per 100 sq. ft. of CFA or ≤ 80 CFM, with t cavities used as ducts, duct boots, & register grilles atop the finished surfa					
6.5 Rater-measured duct leakage to outdoors the greater of ≤ 4 CFM25 per 100 sq	. ft. of CFA or ≤ 40 CFM25.				
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, crawlspace	e, garage, or adjacent dwelling unit.				
7.7.2 Inlet is ≥ 10 ft. of stretched-string distance from known contamination sour vehicles) not exiting the roof, and ≥ 3 ft. from sources exiting the roof. ¹	ces (e.g., stack, vent, exhaust,				



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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 v	olume		≥ 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										
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.										
					Rater RTIN #:					
Status of home at time of inspection (e.g., under construction, occupied) :Date of				Inspection	on:					
Rater Company Na	ime:									
Rater Name: Rater RTIN #: Rater Pre-Drywall In										
Rater Name: Rater RTIN #: Rater Final Inspection										
Note: Additional checklist items may be inspected for quality insurance and included in the additional checklist items report.										
Additional Checklist Items - Use this space to list additional Items reviewed (attach additional pages, if needed)										
Checklist Name		Item #	Notes				Passed	Must	Not	N/A

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Footnotes

1. This represents a subset of the Revision 08 Item, rather than the complete Item.