

Indoor airPLUS Verification Checklist



Address or Div/Lot#:					
City/State/Zip:			Date:		
Verified by					
Section	Requirements (see Indoor airPLUS Construction Specifications for details)	N/A	Builder	Rater	
Moisture Control	Water-Managed Site and Foundation				
	1.1	Site & foundation drainage: sloped grade, protected drain tile, & foundation floor drains		<input type="checkbox"/>	<input type="checkbox"/>
	1.2	Capillary break below concrete slabs & in crawlspaces (Exception - see specification)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.3	Foundation wall damp-proofed or water-proofed (Except for homes without below-grade walls)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.4	Basements/crawlspaces insulated & conditioned (Exceptions - see specification)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Water-Managed Wall Assemblies				
	1.5	Continuous drainage plane behind exterior cladding, properly flashed to foundation		<input type="checkbox"/>	<input type="checkbox"/>
	1.6	Window & door openings fully flashed		<input type="checkbox"/>	<input type="checkbox"/>
	Water-Managed Roof Assemblies				
	1.7	Gutters/downspouts direct water a minimum of 5' from foundation (Except in dry climates)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.8	Fully flashed roof/wall intersections (step & kick-out flashing) & roof penetrations		<input type="checkbox"/>	<input type="checkbox"/>
	1.9	Bituminous membrane installed at valleys & penetrations (Except in dry climates)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1.10	Ice flashing installed at eaves (Except in Climate Zones 1 - 4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interior Water Management					
1.11	Moisture-resistant materials/protective systems installed (i.e., flooring, tub/shower backing, & piping)			<input type="checkbox"/>	
1.12	No vapor barriers installed on interior side of exterior walls with high condensation potential		<input type="checkbox"/>	<input type="checkbox"/>	
1.13	No wet or water-damaged materials enclosed in building assemblies		<input type="checkbox"/>	<input type="checkbox"/>	
Radon	2.1	Approved radon-resistant features installed (Exception - see specification)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2.2	Two radon test kits & instructions/guidance for follow-up actions provided for buyer (Advisory-see specification)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pests	3.1	Foundation joints & penetrations sealed, including air-tight sump covers			<input type="checkbox"/>
	3.2	Corrosion-proof rodent/bird screens installed at all openings that cannot be fully sealed (e.g., attic vents)		<input type="checkbox"/>	<input type="checkbox"/>
HVAC	4.1	HVAC room loads calculated, documented; system design documented; coils matched			<input type="checkbox"/>
	4.2	Duct system design documented & properly installed OR duct system tested (check box if tested) <input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
	4.3	No air handling equipment or ductwork installed in garage; continuous air barrier required in adjacent assemblies			<input type="checkbox"/>
	4.4	Rooms pressure balanced (using transfer grills or jump ducts) as required OR tested (check box if tested) <input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
	4.5	Whole house ventilation system installed to meet ASHRAE 62.2 requirements			<input type="checkbox"/>
	4.6	Local exhaust ventilation to outdoors installed for baths, kitchen, clothes dryers, central vacuum system, etc.			<input type="checkbox"/>
	4.7	Central forced-air HVAC system(s) have minimum MERV 8 filter, no filter bypass, & no ozone generators			<input type="checkbox"/>
	4.8	Additional dehumidification system(s) or central HVAC dehumidification controls installed (In warm-humid climates only)	<input type="checkbox"/>		<input type="checkbox"/>
Combustion Pollutants	Combustion Source Controls				
	5.1	Gas heat direct vented; oil heat & water heaters power vented or direct vented (Exceptions - see specifications)	<input type="checkbox"/>		<input type="checkbox"/>
	5.2	Fireplaces/heating stoves vented outdoors & meet emissions/efficiency standards/restrictions	<input type="checkbox"/>		<input type="checkbox"/>
	5.3	Certified CO alarms installed in each sleeping zone (e.g., common hallway) according to NFPA 720			<input type="checkbox"/>
	5.4	Smoking prohibited in common areas; outside smoking at least 25' from building openings (Multi-family homes only)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Attached Garage Isolation				
5.5	Common walls/ceilings (house & garage) air-sealed before insulation installed; house doors gasketed & closer installed	<input type="checkbox"/>		<input type="checkbox"/>	
5.6	Exhaust fan (minimum 70 cfm, rated for continuous use) installed in garage & vented to outdoors (controls optional)	<input type="checkbox"/>		<input type="checkbox"/>	
Materials	6.1	Certified low-formaldehyde pressed wood materials used (i.e., plywood, OSB, MDF, cabinetry)		<input type="checkbox"/>	<input type="checkbox"/>
	6.2	Certified low-VOC or no-VOC interior paints & finishes used		<input type="checkbox"/>	<input type="checkbox"/>
	6.3	Carpet, adhesives, & cushion qualify for CRI Green Label Plus or Green Label testing program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Final	7.1	HVAC system & ductwork verified dry, clean, & properly installed			<input type="checkbox"/>
	7.2	Home ventilated before occupancy OR initial ventilation instructions provided for buyer		<input type="checkbox"/>	<input type="checkbox"/>
	7.3	Completed checklist & other required documentation provided for buyer		<input type="checkbox"/>	<input type="checkbox"/>
Rater/Provider:			Builder:		
Company:			Company:		
Signature:			Signature:		

Guidance for Completing the Indoor airPLUS Verification Checklist:

1. Only ENERGY STAR qualified homes verified to comply with these specifications can earn the Indoor airPLUS label. See Indoor airPLUS Construction Specifications for full descriptions of the requirements, terms, exceptions, abbreviations, references, and climate map used in this checklist. Verification is not complete until this checklist is completed in full and signed.
2. Check one box per line. Check “N/A” for specifications that do not apply for specific conditions (e.g., climate) according to the Exceptions described in the Indoor airPLUS Construction Specifications. Check either “Builder” or “Rater” for all other items to indicate who verified each item. Items may be verified visually on site during construction, by reviewing photographs taken during construction, by checking documentation, or through equivalent methods as appropriate. If using a performance testing alternative to meet requirement 4.2 or 4.4, the box marked “Tested” must be checked and testing documentation must be provided in the Home Energy Rating System/Builder Option Package (HERS/BOP) file.
3. The rater who conducted the verification, or a responsible party from the rater’s company, must sign the completed verification checklist. The builder must sign the checklist if any items in the “Builder” column are checked, and by so doing accepts full responsibility for verifying that those items meet Indoor airPLUS requirements.
4. The builder provides one copy of the completed and signed checklist for the buyer. The HERS/BOP provider or rater files a copy with HERS/BOP and ENERGY STAR documentation (e.g., Thermal Bypass Checklist) for the home.
5. The checklist may be completed for a batch of homes using a RESNET-approved sampling protocol when qualifying homes as ENERGY STAR. For example, if the approved sampling protocol requires rating one in seven homes, then the checklist will be completed for the one home that was rated.

Note: The Indoor airPLUS Construction Specifications are designed to help improve indoor air quality (IAQ) in new homes compared with homes built to minimum code. These measures alone cannot prevent all IAQ problems; occupant behavior is also important. For example, smoking indoors would negatively impact a home’s IAQ and the performance of the specified Indoor airPLUS measures.

Comments:

For further information on the Indoor airPLUS program, visit epa.gov/indoorairplus.



Qualified homes earn the
Indoor airPLUS label.
Place it next to the
ENERGY STAR label.



All Indoor airPLUS qualified homes meet strict guidelines for energy efficiency set by ENERGY STAR, the nationally-recognized symbol for energy efficiency.